HARRIS PROPERTY
LABORATORY DATA SHEETS AND CHAIN OF CUSTODY RECORDS

Results for Oil and Grease

Client Sample ID:	CHS-2	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-1c	Date Collected:	10/5/2005 9:50
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	89.52

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	34.4	**138**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Metals

Client Sample ID:	CHS-2	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 09:50
Lab Sample ID:	G161-2183-1	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	SOIL
Batch ID:	3808 3802	Solids	89.52
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**10.6**	1.02	1	MG/KG	6010B	10/12/2005
Barium	**181**	10.2	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.02	1	MG/KG	6010B	10/12/2005
Chromium	**12.8**	1.02	1	MG/KG	6010B	10/12/2005
Lead	**317**	1.02	1	MG/KG	6010B	10/12/2005
Mercury	**0.201**	0.0205	1	MG/KG	7471	10/12/2005
Selenium	**2.23**	2.03	1	MG/KG	6010B	10/12/2005
Silver	BQL	1.02	1	MG/KG	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Oil and Grease

Client Sample ID:	CHS-5	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-2c	Date Collected:	10/5/2005 10:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	90.83

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	34.4	**402**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Metals

Client Sample ID:	CHS-5	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 10:00
Lab Sample ID:	G161-2183-2	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	SOIL
Batch ID:	3808 3802	Solids	90.83
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**4.89**	1.06	1	MG/KG	6010B	10/12/2005
Barium	**133**	10.6	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.06	1	MG/KG	6010B	10/12/2005
Chromium	**12.7**	1.06	1	MG/KG	6010B	10/12/2005
Lead	**198**	1.06	1	MG/KG	6010B	10/12/2005
Mercury	**0.215**	0.0202	1	MG/KG	7471	10/12/2005
Selenium	**2.68**	2.12	1	MG/KG	6010B	10/12/2005
Silver	BQL	1.06	1	MG/KG	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Total Petroleum Hydrocarbons

by **GC/FID 8015**

Client Sample ID: HS-6
Client Project ID: Harris Site
Lab Sample ID: G161-2183-3
Lab Project ID: G161-2183
Report Basis: Dry Weight

Analyzed By: DCS
Date Collected: 10/5/05 10:05
Date Received: 10/6/05
Matrix: Soil
Solids 84.57

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.09	5030	1	10/11/05

Comments:

Reviewed By: _____

Results for Oil and Grease

Client Sample ID:	HDUP-1	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-4b	Date Collected:	10/5/2005 0:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	91.14

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	32.6	**424**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Volatiles
by GC 602

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	**8.21**	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.9	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	BQL	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	10.5	105

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: EW

Results of Library Search for Semivolatile Compounds
by GCMS

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Date Analyzed: 10/8/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Metals

Client Sample ID:	TWHS-1	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 12:36
Lab Sample ID:	G161-2183-5	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	WATER
Batch ID:	3801 3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/12/2005
Barium	**0.177**	0.100	1	MG/L	6010B	10/12/2005
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Chromium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Lead	BQL	0.0100	1	MG/L	6010B	10/12/2005
Mercury	BQL	0.000250	1	MG/L	7470	10/11/2005
Selenium	BQL	0.0200	1	MG/L	6010B	10/12/2005
Silver	BQL	0.0100	1	MG/L	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-6A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.4	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: MPR

Results for Volatiles
by GC 601

Client Sample ID: Equipment Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-7A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 13:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.7	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: Equipment Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-7A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 13:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.092205.2

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50725

Page 1 of 1

Client: ECS
Address: 6909 International Drive Suite 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Harris Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: G-7506
P.O. Number:

Report To: Jrick@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives				Analyses: 8/5.1/ICP 7041 Cd Exch	Total RCRA Metals	5030		601/602	625 BNA 10 TICS	Total RCRA metals		601		Comments: Please specify any special reporting requirements
CHS-2	10/5/05	950	Soil					✓	✓									City of
CHS-5	10/5/05	1000	Soil					✓	✓									Greensboro
HS-6	10/5/05	1005	Soil							✓								
HDUP-1			Soil					✓										Project
TWHS-1	10/5/05	1236 ~~1136~~	MPB									✓	✓	✓				
TRIP Blank																✓		
Equipment Blank												✓						

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Matt Brown	10/5/05	1800	Fedex			
			[signature]	10/6/05	1030	1.3°C

State Certification Requested
NC (X) SC ____ Other ____
SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

NC CERTIFICATION #481

PARADIGM ANALYTICAL LABORATORIES, INC.

HARRIS PROPERTY
LABORATORY QA/QC DATA

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Jason Ricks
ECS
6909 International Drive
Greensboro NC 27409

Report Number: G161-2183

Client Project: Harris Site

Dear Mr. Ricks:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
Paradigm Analytical Laboratories, Inc.

10/15/05
Laboratory Director Date
J. Patrick Weaver

CASE NARRATIVE

Date: December 12, 2005

ECS Project ID: Harris Site
Paradigm Analytical ID: G161-2183

Four soils and one water sample with a trip blank and an equipment blank were received at the laboratory October 6 for analysis as indicated on the chain of custody. The samples were received in good condition, within temperature and holding time limits.

All extractions and analyses were completed within holding time. The following discussion details results of the quality controls by parameter.

Oil and Grease by 9071

The blank was clean.

The MS and MSD recovered above control limits due to an elevated concentration of oil and grease in the sample.

The LCS recovered within control limits.

Metals

The samples were analyzed in two batches..
Both blanks were clean.

There were some recovery failures in the MS/MSD pairs due to metals in the samples spiked.

Both LCS/LCD pairs were within control limits.

Gasoline Range Organics

The blank was clean.

The MS/MSD and LCS were within control limits.

601/602

All surrogate spikes recoveries were within control limits.

The blanks were clean.

The MS/MSD and LCS met all control limits.

625

All surrogate spikes recoveries were within control limits.

The blanks were clean.

The MS/MSD and LCS met all control limits.

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.092205.2

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50725

Page 1 of 1

Client: ECS
Address: 6909 International Drive Suite 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Harris Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: G-7506
P.O. Number:

Report To: Jrick@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives				Analyses: 9071 w/silica Cell Ext	Total RCRA metals	5030		601/602	625 BNA + 10 TICs	Total RCRA metals		601		Comments: Please specify any special reporting requirements
CHS-2	10/5/05	950	Soil					✓	✓									City of
CHS-5	10/5/05	1000	Soil					✓	✓									Greensboro
HS-6	10/5/05	1005	Soil							✓								
HDUP-1			Soil					✓										Project
WHS-1	10/5/05	1236 ~~1236~~ MRB										✓	✓	✓				
TRIP Blank																✓		
Equipment Blank												✓						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Matt Brown	10/5/05	1600	Fedex				NC (X) SC ____ Other ____
			[signature]	10/6/05	1030	1.3°C	SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Oil and Grease

Client Sample ID:	CHS-2	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-1c	Date Collected:	10/5/2005 9:50
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	89.52

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	34.4	**138**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Oil and Grease

Client Sample ID:	CHS-5	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nlo
Lab Sample ID:	G161-2183-2c	Date Collected:	10/5/2005 10:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	90.83

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	34.4	**402**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Oil and Grease

Client Sample ID:	HDUP-1	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nlo
Lab Sample ID:	G161-2183-4b	Date Collected:	10/5/2005 0:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	91.14

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	32.6	**424**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Client Sample ID: Batch QC
Lab Sample ID: G537-178-4E
Batch ID: 3772

Analyzed by: nlo
Matrix: Soil
Solids: 88.06

MS/MSD

Analyte	Sample MG/KG	Spiked MG/KG	MS MG/KG	REC %	Spiked MG/KG	MSD MG/KG	REC %	RPD %
Oil & Grease	14800	349	17400	742	342	16800	581	24.3

LCS

Analyte		Spiked MG/KG	Result MG/KG	REC %	Limits	
					Lower	Upper
Oil & Grease		312	294	94.1		

Prep Blank

Analyte	Sample MG/KG
Oil & Grease	BQL

VARS

NAME	VARS					
client_id	CHS-2					
client_proj	Harris Site					
client_id	161					
csv_fn	G161-2183-1c_9071.csv					
units	MG/KG					
lab_id	G161-2183	40933				
date_rcd	2005-10-05 09:50					
date_rpt	2005-10-06 10:30					
file_dir	\\LVSLIMS\server_d\lims\DATA\C161\G161-2183\G161-2183-1c_9071.csv					
sdg						
Client	WCHEM					
Percent_Solids	89.52					
matrix	Soil	Print:	TRUE			
method	9071	CSV	TRUE			
type						
HWT	32.43					
accs_keep						
acc_curve						
Sl_2a_cal	y					
Tare_Wt	30.2346					
Total_Wt	30.2386					
Field						
sample_id						
lab_id						
case_id						
sub_id						
Extract						
analyst						
date_time						
method						
matrix						
batch_id						

NAME	VARS					
client_id	CHS-5					
client_proj	Harris Site					
client_sta	161					
source	G161-2183-2c_9071.csv					
units	MG/KG					
lab_proj	G161-2183	40934				
date_rec	2005-10-05 10:00					
date_rep	2005-10-06 10:30					
file_path	\\LVSLIMS\server_d\lims\DATA\C161\G161-2183\G161-2183-2c_9071.csv					
qcid						
Category	WCHEM					
Parameter	90.83					
matrix	Soil	Print:	TRUE			
method	9071	CSV	TRUE			
ptype						
mwt	32.04					
qcSampleID						
qcSampleQty						
si_factor	y					
Tare wt	30.2429					
Total wt	30.2546					
Field						
sampid						
labid						
basis						
dilution						
ext						
analyst						
date run						
analpkg						
metric						
batch						

VARS

NAME	VARS					
[illegible]	HDUP-1					
[illegible]	Harris Site					
[illegible]	161					
[illegible]	G161-2183-4b_9071.csv					
[illegible]	MG/KG					
[illegible]	G161-2183	40936				
[illegible]	2005-10-05 00:00					
[illegible]	2005-10-06 10:30					
[illegible]	\\LVSLIMS\server_d\lims\DATA\C161\G161-2183\G161-2183-4b_9071.csv					
[illegible]						
[illegible]	WCHEM					
[illegible]	91.14					
[illegible]	Soil	Print:	TRUE			
[illegible]	9071	CSV	TRUE			
[illegible]						
[illegible]	33.68					
[illegible]						
[illegible]						
[illegible]	y					
[illegible]	30.3564					
[illegible]	30.3694					
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N.C. Certification #481 S.C. Certification #99029

Prep Report for Batch 3798 (9071/3540/SOIL) on 2005-10-10 by nio

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	TareWt	TotalWt	SilicaGel
G161-2183-1C (168699)		32.43			30.2346	30.2386	y
G161-2183-2C (168700)		32.04			30.2429	30.2546	y
G161-2183-4B (168701)		33.68			30.3564	30.3694	y
G537-178-1E (168725)		33.12			30.1282	30.1304	
G537-178-2E (168726)		34.52			30.3479	30.4831	
G537-178-2F (168727)	dup	33.30			30.5049	30.7237	
G537-178-3E (168728)		32.35			30.3262	30.7715	
G537-178-4E (168729)		34.21			30.3234	30.7696	
G537-178-4F (168730)	ms	32.56	9071qcsvo3n41	1	30.2592	30.7589	
G537-178-4G (168731)	msd	33.20	9071qcsvo3n41	1	30.3594	30.8506	
G537-179-1G (168696)		32.75					
G537-179-1G (168696)	entry error	entry error	entry error	entry error	entry error		
G537-179-1H (168697)	ms	?	?	?			
G537-179-1H (168697)							
G537-179-1H (168697)	entry error	entry error	entry error	entry error	entry error		
G537-179-1I (168698)	msd	?	?	?			
G537-179-1I (168698)		32.75			30.0192	30.0983	
G537-179-1I (168698)	entry error	entry error	entry error	entry error	entry error		
G639-8-1G (168758)		32.76			30.3375	30.3380	
G639-8-2G (168759)		32.42			30.5083	30.5084	
G639-8-3I (168760)		22.54			30.3683	30.3687	
lcs3798	lcs	32	9071qcsvo3n41	1	30.3033	30.3127	
pb3798	pb	32			30.1120	30.1120	

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID:	CHS-2	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 09:50
Lab Sample ID:	G161-2183-1	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	SOIL
Batch ID:	3808 3802	Solids	89.52
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**10.6**	1.02	1	MG/KG	6010B	10/12/2005
Barium	**181**	10.2	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.02	1	MG/KG	6010B	10/12/2005
Chromium	**12.8**	1.02	1	MG/KG	6010B	10/12/2005
Lead	**317**	1.02	1	MG/KG	6010B	10/12/2005
Mercury	**0.201**	0.0205	1	MG/KG	7471	10/12/2005
Selenium	**2.23**	2.03	1	MG/KG	6010B	10/12/2005
Silver	BQL	1.02	1	MG/KG	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID:	CHS-5	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 10:00
Lab Sample ID:	G161-2183-2	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	SOIL
Batch ID:	3808 3802	Solids	90 83
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**4.89**	1 06	1	MG/KG	6010B	10/12/2005
Barium	**133**	10.6	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.06	1	MG/KG	6010B	10/12/2005
Chromium	**12.7**	1.06	1	MG/KG	6010B	10/12/2005
Lead	**198**	1 06	1	MG/KG	6010B	10/12/2005
Mercury	**0.215**	0.0202	1	MG/KG	7471	10/12/2005
Selenium	**2.68**	2 12	1	MG/KG	6010B	10/12/2005
Silver	BQL	1 06	1	MG/KG	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

Results for Metals

Client Sample ID:	TWHS-1	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 12:36
Lab Sample ID:	G161-2183-5	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	WATER
Batch ID:	3801 3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/12/2005
Barium	**0.177**	0.100	1	MG/L	6010B	10/12/2005
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Chromium	BQL	0.0100	1	MG/L	6010B	10/12/2005
Lead	BQL	0.0100	1	MG/L	6010B	10/12/2005
Mercury	BQL	0 000250	1	MG/L	7470	10/11/2005
Selenium	BQL	0.0200	1	MG/L	6010B	10/12/2005
Silver	BQL	0.0100	1	MG/L	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3 3

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3797	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3797		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	0.0100	1	MG/L	6010B	10/11/05
Barium	BQL	0.100	1	MG/L	6010B	10/11/05
Cadmium	BQL	0.0100	1	MG/L	6010B	10/12/05
Chromium	BQL	0.0100	1	MG/L	6010B	10/11/05
Lead	BQL	0.0100	1	MG/L	6010B	10/12/05
Selenium	BQL	0.0200	1	MG/L	6010B	10/11/05
Silver	BQL	0.0100	1	MG/L	6010B	10/11/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: PrepBlank

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3802	Date Received:	
Lab Project ID:		Matrix:	SOIL
Batch ID:	3802	Solids	100.00
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	BQL	1.00	1	MG/KG	6010B	10/12/05
Barium	BQL	10.0	1	MG/KG	6010B	10/12/05
Cadmium	BQL	1.00	1	MG/KG	6010B	10/12/05
Chromium	BQL	1.00	1	MG/KG	6010B	10/12/05
Lead	BQL	1.00	1	MG/KG	6010B	10/12/05
Selenium	BQL	2.00	1	MG/KG	6010B	10/12/05
Silver	BQL	1.00	1	MG/KG	6010B	10/12/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: PrepBlank

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3801	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	3801		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Mercury	BQL	0.000250	1	MG/L	7470	10/11/05

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: PrepBlank

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	PSW
Client Project ID:		Date Collected:	
Lab Sample ID:	pb3808	Date Received:	
Lab Project ID:		Matrix:	SOIL
Batch ID:	3808	Solids	100.00
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Mercury	BQL	0.0200	1	MG/KG	7471	10/12/05

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: PrepBlank

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for METALS

Lab ID: G414-67-4
MS Lab ID: G414-67-4
MSD Lab ID: G414-67-4
ICP Batch: 3797
HG Batch: 3779
Other:

Analyzed By: PSW
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Arsenic	BQL	0.400	0.375	93.8		0.400	0.365	91.3		75	125	2.70		20
Barium	BQL	2.00	1.68	84.0		2.00	1.61	80.5		75	125	4.26		20
Cadmium	BQL	0.400	0.320	80.0		0.400	0.292	73.0	*	75	125	9.15		20
Chromium	BQL	0.400	0.328	82.0		0.400	0.310	77.5		75	125	5.64		20
Lead	BQL	0.400	0.356	89.0		0.400	0.340	85.0		75	125	4.60		20
Selenium	BQL	0.400	0.365	91.3		0.400	0.357	89.3		75	125	2.22		20
Silver	BQL	0.400	0.363	90.8		0.400	0.342	85.5		75	125	5.96		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for METALS

Lab ID: G161-2181-1
MS Lab ID: G161-2181-1
MSD Lab ID: G161-2181-1
ICP Batch:
HG Batch: 3801
Other:

Analyzed By: PSW
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Mercury	BQL	0.00625	0.00619	99.0	0.00625	0.00613	98.1	75	125	0.974	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

MS/MSD Results for METALS

Lab ID: G161-2183-1
MS Lab ID: G161-2183-1
MSD Lab ID: G161-2183-1
ICP Batch: 3802
HG Batch: 3808
Other:

Analyzed By: PSW
Matrix: Soil
Units: MG/KG
Solids: 89.52

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Arsenic	10.6	41.4	43.8	80.2		37.9	39.6	76.5		75	125	10.1		20
Barium	181	207	438	124		189	317	72.0	*	75	125	32.1	*	20
Cadmium	BQL	41.4	36.4	88.0		37.9	33.4	88.1		75	125	8.60		20
Chromium	12.8	41.4	50.1	90.2		37.9	43.3	80.5		75	125	14.6		20
Lead	317	41.4	314	NA		37.9	307	NA		75	125	2.25		20
Mercury	0.201	0.499	0.698	99.7		0.473	0.670	99.2		75	125	4.09		20
Selenium	2.23	41.4	32.1	72.2	*	37.9	27.4	66.4	*	75	125	15.8		20
Silver	BQL	41.4	37.6	90.9		37.9	33.0	87.1		75	125	13.0		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

METALS Results for LCS/LCD

ICP Batch: 3797
HG Batch: 3801
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Arsenic	0.400	0.376	94 0	0.374	93.5	80	120	0.533	20
Barium	2.00	1.74	87.0	1.75	87.5	80	120	0.573	20
Cadmium	0.400	0.335	83.8	0.337	84 2	80	120	0.595	20
Chromium	0.400	0.345	86.2	0.348	87.0	80	120	0 866	20
Lead	0.400	0 351	87.7	0.353	88.2	80	120	0.568	20
Mercury	0.00625	0.00647	104	0 00636	102	80	120	1.71	20
Selenium	0.400	0.371	92.8	0.372	93.0	80	120	0.269	20
Silver	0.400	0 344	86.0	0.345	86.2	80	120	0.290	20

Reviewed By: MW

METALS Results for LCS/LCD

ICP Batch: 3802
HG Batch: 3808
Other:

Matrix: SOIL
Units: MG/KG

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Arsenic	40.0	36.0	90.0	36.7	91.8	80	120	1.93	20
Barium	200	184	92.0	184	92.0	80	120	0	20
Cadmium	40.0	34.4	86.0	34.6	86.5	80	120	0.580	20
Chromium	40.0	36.4	91.0	36.7	91.8	80	120	0.821	20
Lead	40.0	37.0	92.5	37.7	94.3	80	120	1.87	20
Mercury	0.500	0.496	99.2	0.508	102	80	120	2.39	20
Selenium	40.0	32.9	82.3	33.4	83.5	80	120	1.51	20
Silver	40.0	35.1	87.7	35.7	89.3	80	120	1.69	20

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 101205a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS REC.
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	
Aluminum	5000	5001	100.0	2500	2457	98.3	2500	2467	98.7	90-110
Antimony	200			500			500			90-110
Arsenic	1000	1025	102 5	500	509	101.8	500	493	98.6	90-110
Barium	5000	4968	99 4	2500	2469	98 7	2500	2384	95.4	90-110
Beryllium	1000			500			500			90-110
Cadmium	250	246	98.3	500	484	96.8	500	464	92.7	90-110
Calcium	500	4988	997.7	2500	2450	98.0	2500	2396	95.9	90-110
Chromium	1000	1003	100.3	500	488	97.6	500	478	95.6	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	995	99.5	2500	2483	99.3	2500	2460	98.4	90-110
Lead	1000	1007	100.7	500	493	98.6	500	481	96.1	90-110
Magnesium	1000	943	94.3	2500	2483	99.3	2500	2419	96.8	90-110
Manganese	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	250	255	102.0	500	487	97.4	500	479	95.7	90-110
Silver	100	95	95.5	500	491	98.2	500	488	97.7	90-110
Sodium	5000			2500			2500			90-110
Thallium	200			500			500			90-110
Vanadium	2500			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 101205a OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV ( )			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	5000	5001	100.0	2500	2477	99.1	2500			90-110
Antimony	200			500			500			90-110
Arsenic	1000	1025	102.5	500	499	99.9	500			90-110
Barium	5000	4968	99 4	2500	2383	95.3	2500			90-110
Beryllium	1000			500			500			90-110
Cadmium	250	246	98.3	500	475	94.9	500			90-110
Calcium	500	4988	997.7	2500	2419	96.8	2500			90-110
Chromium	1000	1003	100.3	500	483	96.6	500			90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	995	99.5	2500	2404	96.2	2500			90-110
Lead	1000	1007	100.7	500	491	98.2	500			90-110
Magnesium	1000	943	94.3	2500	2444	97.8	2500			90-110
Manganese	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	250	255	102.0	500	486	97.3	500			90-110
Silver	100	95	95.5	500	499	99.8	500			90-110
Sodium	5000			2500			2500			90-110
Thallium	200			500			500			90-110
Vanadium	2500			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source: Environmental Express

Batch ID: 101205b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	5000	5037	100.7	2500	2479	99.2	2500	2537	101.5	90-110
Antimony	200			500			500			90-110
Arsenic	1000	1036	103.6	500	518	103.7	500	510	102.1	90-110
Barium	5000	4996	99.9	2500	2484	99.3	2500	2494	99.8	90-110
Beryllium	1000			500			500			90-110
Cadmium	250	245	97.8	500	489	97.8	500	481	96.2	90-110
Calcium	500	4987	997.4	2500	2475	99.0	2500	2530	101.2	90-110
Chromium	1000	1011	101.1	500	493	98.7	500	495	99.0	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	992	99.2	2500	2465	98.6	2500	2501	100.0	90-110
Lead	1000	998	99.8	500	495	99.0	500	494	98.8	90-110
Magnesium	1000	963	96.3	2500	2477	99.1	2500	2537	101.5	90-110
Manganese	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	250	251	100.3	500	491	98.2	500	490	97.9	90-110
Silver	100	96	96.0	500	499	99.9	500	505	101.0	90-110
Sodium	5000			2500			2500			90-110
Thallium	200			500			500			90-110
Vanadium	2500			500			500			90-110
Zinc	1000			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name Paradigm Analytical Initial Cal Source Environmental Express

Batch ID 101205b OES Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	5000	5037	100.7	2500	2538	101.5	2500	2438	97.5	90-110
Antimony	200			500			500			90-110
Arsenic	1000	1036	103.6	500	515	103.0	500	504	100.7	90-110
Barium	5000	4996	99.9	2500	2475	99.0	2500	2432	97.3	90-110
Beryllium	1000			500			500			90-110
Cadmium	250	245	97.8	500	483	96.6	500	473	94.7	90-110
Calcium	500	4987	997.4	2500	2487	99.5	2500	2434	97.4	90-110
Chromium	1000	1011	101.1	500	492	98.5	500	481	96.1	90-110
Cobalt	1000			500			500			90-110
Copper	1000			500			500			90-110
Iron	1000	992	99.2	2500	2469	98.8	2500	2483	99.3	90-110
Lead	1000	998	99.8	500	497	99.5	500	487	97.4	90-110
Magnesium	1000	963	96.3	2500	2533	101.3	2500	2466	98.6	90-110
Manganese	1000			500			500			90-110
Nickel	1000			500			500			90-110
Potassium	1000			2500			2500			90-110
Selenium	250	251	100.3	500	496	99.2	500	485	96.9	90-110
Silver	100	96	96.0	500	504	100.8	500	491	98.2	90-110
Sodium	5000			2500			2500			90-110
Thallium	200			500			500			90-110
Vanadium	2500			500			500			90-110
Zinc	1000			500			500			90-110

Comments

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 101105a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	9.72	97.2	5	5.01	100.3	5	5.09	101.7	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 101105a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	9 72	97 2	5	5 19	103.9	5	5.19	103.8	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID: 101205a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (1)			CCV (2)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	10.54	105.4	5	5.07	101.4	5	5.04	100.7	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A

INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name: Paradigm Analytical Initial Cal Source Environmental Express

Batch ID 101205a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (3)			CCV (4)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	10 54	105.4	5	5 07	101.5	5	4.96	99.2	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments:

FORM IIA - METALS

PARADIGM ANALYTICAL LABORATORIES, INC.

2A
INITIAL CALIBRATION AND CONTINUING CALIBRATION

Lab Name Paradigm Analytical Initial Cal Source Environmental Express

Batch ID 101205a Continuing Cal Source: Environmental Express

METAL	ICV (1A)			CCV (5)			CCV (6)			LIMITS
	TV	FV	%REC	TV	FV	%REC	TV	FV	%REC	REC.
Aluminum	2500			2500			2500			90-110
Antimony	500			500			500			90-110
Arsenic	500			500			500			90-110
Barium	2500			2500			2500			90-110
Beryllium	500			500			500			90-110
Cadmium	500			500			500			90-110
Calcium	2500			2500			2500			90-110
Chromium	500			500			500			90-110
Cobalt	500			500			500			90-110
Copper	500			500			500			90-110
Iron	2500			2500			2500			90-110
Lead	500			500			500			90-110
Magnesium	2500			2500			2500			90-110
Manganese	500			500			500			90-110
Mercury	10	10.54	105.4	5	4.78	95.7	5	4.97	99.4	90-110
Nickel	500			500			500			90-110
Potassium	2500			2500			2500			90-110
Selenium	500			500			500			90-110
Silver	500			500			500			90-110
Sodium	2500			2500			2500			90-110
Thallium	500			500			500			90-110
Vanadium	500			500			500			90-110
Zinc	500			500			500			90-110

Comments:

FORM IIA - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 101205a OES

Analyte	Initial Calib Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C		C		
Aluminum	100	U	100	U	100	U				
Antimony										
Arsenic	10	U	10	U	10	U				
Barium	100	U	100	U	100	U				
Beryllium										
Cadmium	5	U	5	U	5	U				
Calcium	200	U	200	U	200	U				
Chromium	10	U	10	U	10	U				
Cobalt										
Copper										
Iron	100	U	100	U	100	U				
Lead	10	U	10	U	10	U				
Magnesium	200	U	200	U	200	U				
Manganese										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U				
Silver	10	U	10	U	10	U				
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 101205b OES

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum	100	U	100	U	100	U	100	U		
Antimony										
Arsenic	10	U	10	U	10	U	10	U		
Barium	100	U	100	U	100	U	100	U		
Beryllium										
Cadmium	5	U	5	U	5	U	5	U		
Calcium	200	U	200	U	200	U	200	U		
Chromium	10	U	10	U	10	U	10	U		
Cobalt										
Copper										
Iron	100	U	100	U	100	U	100	U		
Lead	10	U	10	U	10	U	10	U		
Magnesium	200	U	200	U	200	U	200	U		
Manganese										
Mercury										
Nickel										
Potassium										
Selenium	20	U	20	U	20	U	20	U		
Silver	10	U	10	U	10	U	10	U		
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 101105a

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Mercury	0.2	U	0.2	U	0.2	U	0.2	U		
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 101205a

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	2	C	3	C	4	C		
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Mercury	0.2	U	0.2	U	0.2	U	0.2	U		
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

3
BLANKS

Lab Name: Paradigm Analytical

Batch ID: 101205a

Analyte	Initial Calib Blank (ug/L)		Continuing Calibration Blank (ug/L)							
		C	5	C	6	C		C		
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Mercury	0.2	U	0.2	U	0.2	U				
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Thallium										
Vanadium										
Zinc										

Comments:

FORM III - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Paradigm Analytical ICS Source: Environmental Express

Batch ID: 101205a ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R
Aluminum	100000	100000	102037	100253	100.3	99527.2	98501.5	98.5
Antimony	0	300	0	0	0.0	0	0	0.0
Arsenic	0	300	2.61	300.02	100.0	2.08	289.12	96.4
Barium	0	1000	-2.35	944.13	94.4	-1.62	899.47	89.9
Beryllium	0	300	0	0	0.0	0	0	0.0
Cadmium	0	300	0.14	272.46	90.8	0.93	260.87	87.0
Calcium	40000	40000	38872.2	38481.7	96.2	37672.6	37441.9	93.6
Chromium	0	300	-1.79	280.57	93.5	-0.79	272.4	90.8
Cobalt	0	300	0	0	0.0	0	0	0.0
Copper	0	300	0	0	0.0	0	0	0.0
Iron	100000	100000	99046.3	97581.7	97.6	95137.5	94198.7	94.2
Lead	0	300	-4.97	283.53	94.5	-3.27	279.32	93.1
Magnesium	40000	40000	38958.3	39325.7	98.3	38419.6	37674.5	94.2
Manganese	0	300	0	0	0.0	0	0	0.0
Nickel	0	300	0	0	0.0	0	0	0.0
Potassium	0	0	0	0	n/a	0	0	n/a
Selenium	0	300	1.37	290.68	96.9	0.73	276.75	92.3
Silver	0	300	-2.88	283.48	94.5	-2.84	277.93	92.6
Sodium	0	0	0	0	n/a	0	0	n/a
Thallium	0	300	0	0	0.0	0	0	0.0
Vanadium	0	300	0	0	0.0	0	0	0.0
Zinc	0	300	0	0	0.0	0	0	0.0

FORM IV - METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Paradigm Analytical ICS Source: Environmental Express

Batch ID: 101205b ICP ID Number: ICP1

Concentration Units: ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. A	Initial Found Sol. B	%R	Final Found Sol. A	Final Found Sol. B	%R
Aluminum	100000	100000	102537	101472	101.5	103350	101982	102.0
Antimony	0	300	0	0	0.0	0	0	0.0
Arsenic	0	300	5.53	302.96	101.0	3.48	307.22	102.4
Barium	0	1000	-1.69	963.06	96.3	-1.11	951.13	95.1
Beryllium	0	300	0	0	0.0	0	0	0.0
Cadmium	0	300	0.19	273.95	91.3	-1	272.86	91.0
Calcium	40000	40000	39910.7	39672.9	99.2	39997.4	39164.5	97.9
Chromium	0	300	1.81	284.39	94.8	0.46	283.44	94.5
Cobalt	0	300	0	0	0.0	0	0	0.0
Copper	0	300	0	0	0.0	0	0	0.0
Iron	100000	100000	100060	99126.6	99.1	100884	97905.3	97.9
Lead	0	300	-1.22	293.22	97.7	-3.73	289.4	96.5
Magnesium	40000	40000	39667.2	39810	99.5	40362.7	39409.6	98.5
Manganese	0	300	0	0	0.0	0	0	0.0
Nickel	0	300	0	0	0.0	0	0	0.0
Potassium	0	0	0	0	n/a	0	0	n/a
Selenium	0	300	11.88	298.59	99.5	8.79	292.14	97.4
Silver	0	300	-2.02	285.61	95.2	-2.57	288.77	96.3
Sodium	0	0	0	0	n/a	0	0	n/a
Thallium	0	300	0	0	0.0	0	0	0.0
Vanadium	0	300	0	0	0.0	0	0	0.0
Zinc	0	300	0	0	0.0	0	0	0.0

FORM IV - METALS

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID:	HS-6	Analyzed By:	DCS
Client Project ID:	Harris Site	Date Collected:	10/5/05 10:05
Lab Sample ID:	G161-2183-3	Date Received:	10/6/05
Lab Project ID:	G161-2183	Matrix:	Soil
Report Basis:	Dry Weight	Solids	84.57

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.09	5030	1	10/11/05

Comments:

Reviewed By: _____

TPH_LIMS_v1 82 XLS

Paradigm Analytical Laboratories, INC.

IV

GRO METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK4101105A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK4101105A Lab File ID: 006F0101.D

Date Analyzed: 2005-10-11 Instrument ID: GC4

Time Analyzed: 09:59 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	HS-6	G161-2183-3A	018F0101.D	2005-10-11 17:31
02				
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS: _____

Paradigm Analytical Laboratories, INC.

II

GRO SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (BFB) #	QC LIMITS	TOT OUT
01	HS-6	G161-2183-3A	018F0101.D	96	70 - 130	0
02						
03						
04						
05						
06						
07						
08						
09						
10						
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S1 (BFB) = 4-bromofluorobenzene

QC Results for Total Petroleum Hydrocarbons
by GC/FID

Client Sample ID: Batch QC
Lab Sample ID: g537-178-1a
LCS ID: LCS4101105A / VP101105

Analyzed By: DCS
Matrix: Soil
Solids 88.76

MS/MSD

Analyte	Sample MG/KG	Spiked MG/KG	MS MG/KG	REC %		Spiked MG/KG	MSD MG/KG	REC % (70-130)		RPD %
GRO	BQL	35.8	29.4	82.1		35.8	29.7	83		1.09

LCS

Analyte		Spiked MG/KG	Result MG/KG	REC %		LIMITS Lower	Upper	
GRO		40	36	89.8		70	130	

Comments:

Reviewed By: _____

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4101105A
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: DCS
Date Collected:
Date Received:
Matrix: Soil
Solids 100.00

Analyte	Result mg/kg	Report Limit mg/kg	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6	5035	1	10/11/05

Comments:

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	**8.21**	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.9	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-6A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.4	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: MPR

Results for Volatiles
by GC 601

Client Sample ID: Equipment Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-7A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 13:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.7	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
GC_LIMS_v2.0

Paradigm Analytical Laboratories, INC.

II

601 SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (DCB) #	QC LIMITS	TOT OUT
01	TWHS-1	G161-2183-5A	017F0101.D	102	70 - 130	0
02	Trip Blank	G161-2183-6A	010F0101.D	101	70 - 130	0
03	Equipment Blank	G161-2183-7A	018F0101.D	104	70 - 130	0
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S1 (DCB) = 1,4-dichlorobutane

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC

IV

601 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3101005A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab Sample ID: VBLK3101005A Lab File ID: 007F0101.D

Date Analyzed: 2005-10-10 Instrument ID: GC3

Time Analyzed: 12:09 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	Trip Blank	G161-2183-6A	010F0101.D	2005-10-10 13:41
02	TWHS-1	G161-2183-5A	017F0101.D	2005-10-10 17:18
03	Equipment Blank	G161-2183-7A	018F0101.D	2005-10-10 17:49
04				
05				
06				
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COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles
by GC 602

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
GC_LIMS_v2.0

Results for Volatiles
by GC 602

Client Sample ID: Equipment Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-7A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 13:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____
GC_LIMS_v2.0

Paradigm Analytical Laboratories, INC.

II

602 SURROGATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	S1 (TFT) #	QC LIMITS	TOT OUT
01	TWHS-1	G161-2183-5A	017R0101.D	101	70 - 130	0
02	Equipment Blank	G161-2183-7A	018R0101.D	101	70 - 130	0
03						
04						
05						
06						
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S1 (TFT) = trifluorotoluene

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC

IV

602 METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3101005A

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No : SDG No.:

Lab Sample ID: VBLK3101005A Lab File ID: 007R0101 D

Date Analyzed: 2005-10-10 Instrument ID: GC3

Time Analyzed: 12:09 GC Column:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	FILENAME	DATE ANALYZED
01	G161-2183-6A	G161-2183-6A	010R0101.D	2005-10-10 13:41
02	TWHS-1	G161-2183-5A	017R0101.D	2005-10-10 17:18
03	Equipment Blank	G161-2183-7A	018R0101.D	2005-10-10 17:49
04				
05				
06				
07				
08				
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COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

Control Limits for QC Check / Laboratory Control Spike

Method : 601 Spike[ppb] : 10
Instrument : gc3
Filename : 101005\003f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	11.1	111.2	76.0	124.0	111	42	172
Bromoform	9.8	98.4	73.5	126.5	98	13	159
Bromomethane	11.0	110.3	58.5	141.5	110	D	144
Carbon tetrachloride	11.8	117.9	68.5	131.5	118	43	143
Chlorobenzene	10.6	106.0	72.0	128.0	106	38	150
Chloroethane	9.9	99.5	77.0	123.0	99	46	137
Chloroform	10.8	107.8	75.0	125.0	108	49	133
Chloromethane	9.6	96.0	59.5	140.5	96	D	193
Dibromochloromethane	10.8	108.3	65.5	134.5	108	24	191
• 1,2-Dibromoethane	10.5	105.1	13.6	186.4	105	D	206
1,2-Dichlorobenzene	10.2	102.0	70.0	130.0	102	D	208
1,3-Dichlorobenzene	10.3	103.0	49.5	150.5	103	7	187
1,4-Dichlorobenzene	10.5	104.9	69.5	130.5	105	42	143
1,1-Dichloroethane	11.0	109.6	84.0	116.0	110	47	132
1,2-Dichloroethane	10.8	107.9	71.5	128.5	108	51	147
1,1-Dichloroethene	10.6	106.0	63.0	137.0	106	28	167
• cis-1,2-Dichloroethene	11.4	114.0	34.4	180.6	114	19	181
trans-1,2-Dichloroethene	10.8	108.0	64.0	136.0	108	38	155
1,2-Dichloropropane	11.0	109.5	74.0	126.0	110	44	156
cis-1,3-Dichloropropene	11.0	110.3	64.0	136.0	110	22	178
trans-1,3-Dichloropropene	10.4	104.1	64.0	136.0	104	22	178
Methylene Chloride	10.6	105.9	77.5	122.5	106	25	162
1,1,2,2-Tertrachloroethane	10.2	102.5	49.0	151.0	102	8	184
Tetrachloroethane	10.5	105.4	70.0	130.0	105	26	162
1.1,1-Trichloroethane	10.8	108.5	71.0	129.0	108	41	138
1,1,2-Trichloroethane	10.7	106.8	78.5	121.5	107	39	136
Trichloroethene	10.8	108.0	77.0	123.0	108	35	146
Trichlorofluromethane	9.8	98.1	66.5	133.5	98	21	156
Vinyl Chloride	9.7	97.0	68.5	131.5	97	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Filename : 101005\003r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.4	103.6	77.0	123.0	104	39	150
Chlorobenzene	10.1	101.1	80.5	119.5	101	55	135
1,2-Dichlorobenzene	9.8	98.2	68.0	132.0	98	37	154
1,3-Dichlorobenzene	9.9	98.6	72.5	127.5	99	50	141
1,4-Dichlorobenzene	10.0	100.4	69.5	130.5	100	42	143
• Dilsopropyl ether	8.1	81.0	43.1	156.9	81	30	170
Ethylbenzene	10.4	104.0	63.0	137.0	104	32	160
• MTBE	10.3	103.0	46.8	153.2	103	35	165
Toluene	10.3	102.7	77.5	127.0	103	46	148
• m.p-Xylene	20.9	104.4	11.2	188.8	104	D	239
• o-Xylene	10.3	103.1	47.6	152.4	103	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by:

Control Limits for QC Check / Laboratory Control Spike

Method : 601 Spike[ppb] : 10
Instrument : gc3
Filename : 101005\005f0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Bromodichloromethane	10.8	108.0	76.0	124.0	108	42	172
Bromoform	8.9	89.1	73.5	126.5	89	13	159
Bromomethane	12.5	124.5	58.5	141.5	125	D	144
Carbon tetrachloride	11.3	113.1	68.5	131.5	113	43	143
Chlorobenzene	10.3	102.9	72.0	128.0	103	38	150
Chloroethane	10.6	106.0	77.0	123.0	106	46	137
Chloroform	10.5	105.5	75.0	125.0	105	49	133
Chloromethane	10.2	102.4	59.5	140.5	102	D	193
Dibromochloromethane	10.1	100.8	65.5	134.5	101	24	191
• 1,2-Dibromoethane	9.9	99.4	13.6	186.4	99	D	206
1,2-Dichlorobenzene	9.6	96.2	70.0	130.0	96	D	208
1,3-Dichlorobenzene	9.9	99.4	49.5	150.5	99	7	187
1,4-Dichlorobenzene	10.1	101.0	69.5	130.5	101	42	143
1,1-Dichloroethane	10.8	107.7	84.0	116.0	108	47	132
1,2-Dichloroethane	10.2	101.8	71.5	128.5	102	51	147
1,1-Dichloroethene	10.6	106.5	63.0	137.0	106	28	167
• cis-1,2-Dichloroethene	11.0	109.9	34.4	180.6	110	19	181
trans-1,2-Dichloroethene	10.7	107.1	64.0	136.0	107	38	155
1,2-Dichloropropane	10.7	106.8	74.0	126.0	107	44	156
cis-1,3-Dichloropropene	10.6	105.6	64.0	136.0	106	22	178
trans-1,3-Dichloropropene	9.9	99.1	64.0	136.0	99	22	178
Methylene Chloride	10.4	104.2	77.5	122.5	104	25	162
1,1,2,2-Tertrachloroethane	9.7	96.9	49.0	151.0	97	8	184
Tetrachloroethane	10.5	105.2	70.0	130.0	105	26	162
1,1,1-Trichloroethane	10.8	107.7	71.0	129.0	108	41	138
1,1,2-Trichloroethane	9.9	99.2	78.5	121.5	99	39	136
Trichloroethene	10.7	107.0	77.0	123.0	107	35	146
Trichlorofluromethane	10.5	104.6	66.5	133.5	105	21	156
Vinyl Chloride	10.5	105.3	68.5	131.5	105	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Filename : 101005\005r0101.txt

			QC Limits			LCS Limits	
Compound	ppb	Q(%)	Lower	Upper	P_s(%)	Lower	Upper
Benzene	10.2	101.5	77.0	123.0	102	39	150
Chlorobenzene	9.9	98.6	80.5	119.5	99	55	135
1,2-Dichlorobenzene	9.2	92.1	68.0	132.0	92	37	154
1,3-Dichlorobenzene	9.4	94.4	72.5	127.5	94	50	141
1,4-Dichlorobenzene	9.6	95.5	69.5	130.5	96	42	143
• Diisopropyl ether	7.7	76.9	43.1	156.9	77	30	170
Ethylbenzene	10.1	101.3	63.0	137.0	101	32	160
• MTBE	9.9	99.5	46.8	153.2	99	35	165
Toluene	10.0	100.4	77.5	127.0	100	46	148
• m,p-Xylene	20.3	101.6	11.2	188.8	102	D	239
• o-Xylene	10.0	99.8	47.6	152.4	100	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected

Reviewed by: _____

Control Limits for MS-MSD

Method : 601 Spike[ppb] : 10
Instrument : gc3
Sample : 101005\022f0101.txt
MS : 101005\023f0101.txt
MSD : 101005\024f0101.txt

5

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Bromodichloromethane	ND	10.9	11.5	109	115	42	172
Bromoform	ND	9.2	10.5	92	105	13	159
Bromomethane	ND	10.2	12.7	102	127	D	144
Carbon tetrachloride	ND	11.4	11.8	114	118	43	143
Chlorobenzene	ND	10.1	10.7	101	107	38	150
Chloroethane	ND	10.3	10.1	103	101	46	137
Chloroform	ND	10.7	10.9	107	109	49	133
Chloromethane	ND	9.9	9.8	99	98	D	193
Dibromochloromethane	ND	10.4	10.9	104	109	24	191
• 1,2-Dibromoethane	ND	10.4	10.4	104	104	D	206
1,2-Dichlorobenzene	ND	10.0	10.4	100	104	D	208
1,3-Dichlorobenzene	ND	10.2	10.3	102	103	7	187
1,4-Dichlorobenzene	ND	10.4	10.7	104	107	42	143
1,1-Dichloroethane	ND	10.9	11.1	109	111	47	132
1,2-Dichloroethane	ND	10.8	10.9	108	109	51	147
1,1-Dichloroethene	ND	10.7	10.9	107	109	28	167
• cis-1,2-Dichloroethene	ND	10.8	11.1	108	111	19	181
trans-1,2-Dichloroethene	ND	10.5	10.8	105	108	38	155
1,2-Dichloropropane	ND	10.9	11.3	109	113	44	156
cis-1,3-Dichloropropene	ND	10.8	11.0	108	110	22	178
trans-1,3-Dichloropropene	ND	10.0	10.5	100	105	22	178
Methylene Chloride	ND	10.2	10.9	102	109	25	162
1,1,2,2-Tertrachloroethane	ND	10.7	10.3	107	103	8	184
Tetrachloroethane	ND	10.6	10.9	106	109	26	162
1,1,1-Trichloroethane	ND	10.9	11.2	109	112	41	138
1,1,2-Trichloroethane	ND	10.6	11.0	106	110	39	136
Trichloroethene	ND	10.7	11.0	107	110	35	146
Trichlorofluromethane	ND	10.5	10.3	105	103	21	156
Vinyl Chloride	ND	10.2	10.1	102	101	28	163

Method: 602 Spike[ppb] : 10
Instrument : gc3
Sample : 101005\022r0101.txt
MS : 101005\023r0101.txt
MSD : 101005\024r0101.txt

	µg/L			P(%)		P Limits	
Compound	Sam.	MS	MSD	MS	MSD	Lower	Upper
Benzene	2.9	14.5	14.6	116	117	39	150
Chlorobenzene	ND	10.0	10.4	100	104	55	135
1,2-Dichlorobenzene	ND	9.2	9.7	92	97	37	154
1,3-Dichlorobenzene	ND	9.6	10.0	96	100	50	141
1,4-Dichlorobenzene	ND	9.7	10.2	97	102	42	143
• Diisopropyl ether	ND	8.2	8.4	82	84	30	170
Ethylbenzene	ND	10.6	11.0	106	110	32	160
• MTBE	ND	11.4	11.8	107	111	35	165
Toluene	1.8	12.9	13.1	111	113	46	148
• m,p-Xylene	ND	21.5	22.3	108	111	D	239
• o-Xylene	ND	10.4	10.8	104	108	36	164

Flags :

+ = out of QC limits.
• = lab generated limits.
D = Detected
ND = None Detected

Reviewed by:

Results for Volatiles
by GC 601

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3101005A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1 00	1	10/10/2005
Bromoform	BQL	2 00	1	10/10/2005
Bromomethane	BQL	1 00	1	10/10/2005
Carbon tetrachloride	BQL	1 00	1	10/10/2005
Chlorobenzene	BQL	1 00	1	10/10/2005
Chloroethane	BQL	1 00	1	10/10/2005
Chloroform	BQL	1 00	1	10/10/2005
Chloromethane	BQL	1 00	1	10/10/2005
Dibromochloromethane	BQL	1 00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1 00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1 00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1 00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1 00	1	10/10/2005
1,1-Dichloroethane	BQL	1 00	1	10/10/2005
1,2-Dichloroethane	BQL	1 00	1	10/10/2005
1,1-Dichloroethene	BQL	1 00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1 00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1 00	1	10/10/2005
1,2-Dichloropropane	BQL	1 00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1 00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1 00	1	10/10/2005
Methylene Chloride	BQL	5 00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1 00	1	10/10/2005
Tetrachloroethene	BQL	1 00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1 00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1 00	1	10/10/2005
Trichloroethene	BQL	1 00	1	10/10/2005
Trichlorofluoromethane	BQL	1 00	1	10/10/2005
Vinyl Chloride	BQL	1 00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	39 8	99 4

Comments:
All values corrected for dilution
BQL = Below quantitation limit

Reviewed By:
GC_LIMS_v2 0 XLS

Results for Volatiles
by GC 602

Client Sample ID: Method Blank
Client Project ID
Lab Sample ID: VBLK3101005A
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1 00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1 00	1	10/10/2005
Ethylbenzene	BQL	1 00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2 00	1	10/10/2005
Toluene	BQL	1 00	1	10/10/2005
m/p-Xylene	BQL	2 00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40 2	100

Comments:
All values corrected for dilution
BQL = Below quantitation limit

Reviewed By: _____
GC_LIMS_v2 0 XLS

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	BQL	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	10.5	105

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Date Analyzed: 10/8/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3780
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 10/6/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/7/2005
Acenaphthylene	BQL	10.0	1	10/7/2005
Anthracene	BQL	10.0	1	10/7/2005
Benzo[a]anthracene	BQL	10.0	1	10/7/2005
Benzo[a]pyrene	BQL	10.0	1	10/7/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/7/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/7/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/7/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/7/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/7/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/7/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/7/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/7/2005
Butylbenzylphthalate	BQL	10.0	1	10/7/2005
2-Chloronaphthalene	BQL	10.0	1	10/7/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/7/2005
Chrysene	BQL	10.0	1	10/7/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/7/2005
Di-n-Butylphthalate	BQL	10.0	1	10/7/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/7/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/7/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/7/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/7/2005
Diethylphthalate	BQL	10.0	1	10/7/2005
Dimethylphthalate	BQL	10.0	1	10/7/2005
Di-n-octylphthalate	BQL	10.0	1	10/7/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/7/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/7/2005
Diphenylamine *	BQL	10.0	1	10/7/2005
Fluoranthene	BQL	10.0	1	10/7/2005
Fluorene	BQL	10.0	1	10/7/2005
Hexachlorobenzene	BQL	10.0	1	10/7/2005
Hexachlorobutadiene	BQL	10.0	1	10/7/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/7/2005
Hexachloroethane	BQL	10.0	1	10/7/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/7/2005
Isophorone	BQL	10.0	1	10/7/2005
Naphthalene	BQL	10.0	1	10/7/2005
Nitrobenzene	BQL	10.0	1	10/7/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/7/2005
Phenanthrene	BQL	10.0	1	10/7/2005
Pyrene	BQL	10.0	1	10/7/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3780
Lab Project ID:

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 10/6/2005
Matrix: WATER

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/7/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7	70
Nitrobenzene-d5	10	6.4	64
4-Terphenyl-d14	10	9	90

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB3780
Lab Project ID:
Sample Wt/Vol: 500 ML
Dilution: 1

Analyzed By: MRC
Date Collected:
Date Received:
Date Extracted: 10/6/2005
Date Analyzed: 10/7/2005
Matrix: Water

No.	Compound	Retention Time	CAS#	Match Probability	Result (ug/L)
1	No library search compounds detected.				
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Paradigm Analytical Laboratories, INC.

2C

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	TWHS-1	76	84	105				0
02	G649-2-1N	67	100	62				0
03	G649-2-1O MS	88	101	88				0
04	G649-2-1P MSD	87	105	88				0
05	LCS3780	82	97	84				0
06	PB3780	65	90	64				0
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(46-118)
S2 (FBP) = 2-Fluorobiphenyl	(61-112)
S3 (TPH) = Terphenyl-d14	(22-142)

Column to be used to flag recovery values.
* Values outside of contract required QC limits.
D Surrogate diluted out

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G649-2-1N

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Acenaphthene	BQL	200	196	97.8	200	200	99.8	2.02	30	55.0-106
Acenaphthylene	BQL	200	222	111	200	223	111	0.630	30	62.0-119
Anthracene	BQL	200	195	97.5 *	200	200	100 *	2.53	30	44.0-96.0
Benzo[a]anthracene	BQL	200	198	99.3	200	202	101	1.90	30	50.0-109
Benzo[a]pyrene	BQL	200	215	107 *	200	224	112 *	4.29	30	39.0-100
Benzo[b]fluoranthene	BQL	200	218	109 *	200	236	118 *	7.75	30	34.0-105
Benzo[g,h,i]perylene	BQL	200	173	86.3	200	183	91.6	5.96	30	36.0-116
Benzo[k]fluoranthene	BQL	200	241	120 *	200	264	132 *	9.18	30	26.0-120
Benzoic Acid	BQL	200	157	78.5	200	164	82.1	4.48	30	44.0-107
Benzyl Alcohol	BQL	200	168	83.8	200	168	84.0	0.238	30	62.0-104
Bis(2-chloroethoxy)methane	BQL	200	186	92.9	200	188	93.8	0.964	30	58.0-101
Bis(2-chloroethyl)ether	BQL	200	172	86.2	200	164	82.0	4.99	30	47.0-93.0
Bis(2-chloroisopropyl)ether	BQL	200	180	90.1	200	176	88.0	2.36	30	58.0-100
Bis(2-ethylhexyl)phthalate	BQL	200	203	101	200	219	109	7.69	30	46.0-131
4-bromophenyl phenyl ether	BQL	200	190	95.2	200	195	97.7	2.59	30	36.0-112
Butylbenzylphthalate	BQL	200	212	106	200	226	113	6.22	30	54.0-117
4-Chloroaniline	BQL	200	446	223 *	200	448	224 *	0.403	30	12.0-198
4-Chloro-3-methylphenol	BQL	200	192	96.0	200	193	96.7	0.726	30	67.0-98.0
2-Chloronaphthalene	BQL	200	193	96.6	200	194	97.1	0.516	30	54.0-105
2-Chlorophenol	BQL	200	176	87.9	200	174	86.8	1.26	30	59.0-95.0
4-Chlorophenyl phenyl ether	BQL	200	192	96.2	200	198	99.0	2.87	30	51.0-114
Chrysene	BQL	200	208	104	200	213	106	2.19	30	52.0-114
Di-n-Butylphthalate	BQL	200	204	102	200	209	105	2.52	30	53.0-111
Di-n-octylphthalate	BQL	200	259	129 *	200	306	153 *	16.7	30	22.0-113
Dibenzo[a,h]anthracene	BQL	200	192	96.2	200	200	100	4.07	30	33.0-117
Dibenzofuran	BQL	200	179	89.7	200	182	91.2	1.66	30	62.0-108
1,2-Dichlorobenzene	BQL	200	158	79.2	200	155	77.6	2.04	30	31.0-93.0
1,3-Dichlorobenzene	BQL	200	144	71.8	200	143	71.4	0.559	30	25.0-87.0
1,4-Dichlorobenzene	BQL	200	149	74.6	200	148	73.9	0.943	30	29.0-86.0
3,3'-Dichlorobenzidine	BQL	200	398	199	200	422	211	6.00	30	10.0-383
2,4-Dichlorophenol	BQL	200	183	91.3	200	182	91.0	0.329	30	61.0-97.0
Diethylphthalate	BQL	200	203	102	200	208	104 *	2.24	30	65.0-102
2,4-Dimethylphenol	BQL	200	280	140 *	200	284	142 *	1.63	30	29.0-110
Dimethylphthalate	BQL	200	193	96.5	200	196	97.8	1.34	30	61.0-100
4,6-Dinitro-2-methylphenol	BQL	200	83.4	41.7 *	200	98.8	49.4	16.9	30	46.0-104
2,4-Dinitrophenol	BQL	200	67.0	33.5 *	200	80.2	40.1 *	17.9	30	47.0-109
2,4-Dinitrotoluene	BQL	200	190	95.1	200	193	96.7	1.67	30	63.0-103
2,6-Dinitrotoluene	BQL	200	188	94.1	200	196	97.8	3.86	30	61.0-101
Fluoranthene	BQL	200	195	97.4	200	200	100	2.73	30	49.0-109
Fluorene	BQL	200	200	100	200	203	102	1.19	30	58.0-108
Hexachlorobenzene	BQL	200	188	94.1	200	194	97.0	3.04	30	38.0-114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 22 out of 144 outside of limits

COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories, INC.

3C

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G649-2-1N

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Hexachlorobutadiene	BQL	200	174	86.9	200	173	86.7	0.230	30	26.0-95.0
Hexachlorocyclopentadiene	BQL	200	53.8	26.9	200	79.6	39.8	38.7 *	30	10.0-113
Hexachloroethane	BQL	200	124	61.9	200	126	63.2	2.08	30	15.0-96.0
Indeno(1,2,3-c,d)pyrene	BQL	200	174	86.8	200	181	90.3	3.95	30	34.0-111
Isophorone	BQL	200	207	103	200	209	104	1.15	30	65.0-112
1-Methylnaphthalene	BQL	200	169	84.4	200	171	85.5	1.29	30	48.0-121
2-Methylnaphthalene	BQL	200	176	88.1	200	177	88.7	0.679	30	45.0-121
2-Methylphenol	BQL	200	189	94.3	200	187	93.5	0.852	30	62.0-99.0
4-Methylphenol	BQL	400	320	80.1	400	315	78.8	1.70	30	51.0-102
N-Nitrosodi-n-propylamine	BQL	200	170	85.2	200	169	84.6	0.707	30	67.0-107
Diphenylamine	BQL	200	574	287 *	200	595	297 *	3.59	30	24.0-114
Naphthalene	BQL	200	188	94.2	200	186	93.2	1.07	30	25.0-131
2-Nitroaniline	BQL	200	205	102	200	208	104	1.74	30	54.0-135
3-Nitroaniline	BQL	200	170	85.1	200	181	90.7	6.37	30	10.0-594
4-Nitroaniline	BQL	200	334	167 *	200	340	170 *	1.66	30	30.0-153
Nitrobenzene	BQL	200	195	97.6	200	195	97.7	0.102	30	57.0-98.0
2-Nitrophenol	BQL	200	162	81.3	200	166	83.0	2.07	30	50.0-97.0
4-Nitrophenol	BQL	200	231	115	200	233	116	0.949	30	49.0-146
Pentachlorophenol	BQL	200	152	75.8	200	154	76.9	1.44	30	43.0-106
Phenanthrene	BQL	200	196	98.3	200	202	101	2.61	30	53.0-108
Phenol	BQL	200	171	85.6	200	166	82.8	3.32	30	61.0-100
Pyrene	BQL	200	219	110	200	231	116	5.24	30	41.0-123
1,2,4-Trichlorobenzene	BQL	200	174	87.2	200	176	87.8	0.686	30	41.0-96.0
2,4,5-Trichlorophenol	BQL	200	185	92.4	200	187	93.7	1.40	30	62.0-100
2,4,6-Trichlorophenol	BQL	200	182	90.8	200	185	92.7	2.07	30	61.0-96.0

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 72 outside of limits

Spike Recovery: 22 out of 144 outside of limits

COMMENTS: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB3780

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 1007714.D Lab Sample ID: PB3780

Instrument ID: MSD7 Date Extracted: 10/06/05

Matrix: (soil/water) WATER Date Analyzed: 10/07/05

Level: (low/med) LOW Time Analyzed: 18:39

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLE, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G649-2-1O MS	G649-2-1O MS	1007716.D	10/07 19:55
02	G649-2-1P MSD	G649-2-1P MSD	1007717.D	10/07 20:33
03	G649-2-1N	G649-2-1N	1007728.D	10/08 03:28
04	TWHS-1	G161-2183-5G	1007733.D	10/08 06:38
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COMMENTS: _____

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 1003701.D DFTPP Injection Date: 10/03/05

Instrument ID: MSD7 DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.6
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	34.0
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	47.7
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 0.75% of mass 198	2.6
441	Present, but less than mass 443	74.2
442	40.0 - 100.0% of mass 198	80.0
443	17.0 - 23.0% of mass 442	19.1

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCAL48	SVCAL48	1003702.D	10/03/05	09:12
02	SVCAL01	SVCAL01	1003709.D	10/03/05	09:51
03	SVCAL02	SVCAL02	1003708.D	10/03/05	10:29
04	SVCAL04	SVCAL04	1003707.D	10/03/05	11:06
05	SVCAL06	SVCAL06	1003706.D	10/03/05	11:43
06	SVCAL08	SVCAL08	1003705.D	10/03/05	12:20
07	SVCAL12	SVCAL12	1003704.D	10/03/05	12:57
08	SVCAL24	SVCAL24	1003703.D	10/03/05	13:35
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PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Lab File ID: 1007701.D DFTPP Injection Date: 10/07/05

Instrument ID: MSD7 DFTPP Injection Time: 10:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.0
68	Less than 2.0% of mass 69	0.0
69	Mass 69 relative abundance	36.5
70	Less than 2.0% of mass 69	0.0
127	40.0 - 60.0% of mass 198	48.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.2
365	Greater than 0.75% of mass 198	2.8
441	Present, but less than mass 443	73.4
442	40.0 - 100.0% of mass 198	73.8
443	17.0 - 23.0% of mass 442	19.2

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SVCVS24	SVCVS24	1007702.D	10/07/05	11:11
02	PB3780	PB3780	1007714.D	10/07/05	18:39
03	LCS3780	LCS3780	1007715.D	10/07/05	19:17
04	G649-2-1O MS	G649-2-1O MS	1007716.D	10/07/05	19:55
05	G649-2-1P MSD	G649-2-1P MSD	1007717.D	10/07/05	20:33
06	G649-2-1N	G649-2-1N	1007728.D	10/08/05	03:28
07	TWHS-1	G161-2183-5G	1007733.D	10/08/05	06:38
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Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 10/03/05

Calibration Times: 09:12

LAB FILE ID: RRF1.0 = 1003709.D RRF2.0 = 1003708.D RRF4.0 = 1003707.D RRF6.0 = 1003706.D

RRF8.0 = 1003705.D RRF12.0 = 1003704.D RRF24.0 = 1003703.D RRF48.0 = 1003702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
Pyridine			0.329	0.547	0.724	0.819	0.837		0.651	32.8
N-Nitrosodimethylamine			0.269	0.417	0.451	0.513	0.564		0.443	25.4
Phenol	1.74	1.80	1.68	1.77	1.66	1.68	1.58	1.47	1.67	6.32
Bis(2-chloroethyl)ether	1.60	1.48	1.40	1.44	1.33	1.32	1.21	1.19	1.37	9.93
2-Chlorophenol	1.37	1.39	1.32	1.38	1.30	1.31	1.26	1.19	1.32	5.23
Benzyl Alcohol	0.799	0.867	0.850	0.920	0.847	0.851	0.814	0.730	0.835	6.66
1,3-Dichlorobenzene	1.42	1.46	1.39	1.41	1.34	1.34	1.28	1.13	1.35	7.63
1,4-Dichlorobenzene	1.47	1.48	1.40	1.43	1.37	1.38	1.31	1.12	1.37	8.28
1,2-Dichlorobenzene	1.33	1.36	1.28	1.31	1.24	1.24	1.15	0.903	1.23	11.9
2-Methylphenol	1.01	1.04	0.953	1.01	0.970	0.976	0.951	0.868	0.972	5.33
3-, 4-Methylphenol	1.45	1.48	1.34	1.46	1.38	1.42	1.38	1.37	1.41	3.72
Bis(2-chloroisopropyl)ether	2.34	2.42	2.29	2.38	2.24	2.24	2.11	1.79	2.23	9.02
N-Nitrosodi-n-propylamine	0.793	0.831	0.780	0.821	0.792	0.780	0.751	0.623	0.771	8.43
Hexachloroethane	0.504	0.520	0.493	0.524	0.493	0.496	0.459	0.391	0.485	8.83
2-Fluorophenol (surr)	1.14	1.22	1.16	1.18	1.15	1.18	1.12	1.04	1.15	4.56
Phenol-d6 (surr)	1.65	1.70	1.60	1.68	1.58	1.59	1.52	1.42	1.59	5.73
Nitrobenzene	0.338	0.348	0.327	0.345	0.322	0.327	0.292	0.254	0.319	9.83
Isophorone	0.559	0.573	0.532	0.560	0.525	0.532	0.489	0.435	0.526	8.54
2-Nitrophenol	0.187	0.199	0.183	0.193	0.180	0.184	0.175	0.162	0.183	6.16
2,4-Dimethylphenol	0.187	0.183	0.148	0.154	0.152	0.178	0.174	0.176	0.169	9.01
Benzoic Acid	0.164	0.173	0.180	0.203	0.191	0.206	0.209	0.207	0.192	9.02
Bis(2-chloroethoxy)methane	0.384	0.398	0.372	0.377	0.350	0.352	0.324	0.292	0.356	9.74
2,4-Dichlorophenol	0.250	0.251	0.234	0.248	0.233	0.239	0.227	0.207	0.236	6.22
1,2,4-Trichlorobenzene	0.283	0.283	0.261	0.268	0.250	0.254	0.235	0.208	0.255	9.82
Naphthalene	0.926	0.930	0.858	0.878	0.826	0.828	0.760	0.649	0.832	11.1
4-Chloroaniline	0.047	0.054	0.045	0.068	0.059	0.073	0.108	0.127	0.073	40.7
Hexachlorobutadiene	0.135	0.135	0.130	0.133	0.122	0.124	0.113	0.097	0.124	10.6
4-Chloro-3-methylphenol	0.265	0.261	0.241	0.262	0.249	0.258	0.238	0.216	0.249	6.73
2-Methylnaphthalene	0.680	0.688	0.630	0.654	0.614	0.618	0.568	0.479	0.616	11.0
Nitrobenzene-d5 (surr)	0.155	0.160	0.152	0.160	0.148	0.151	0.143	0.135	0.150	5.61
Hexachlorocyclopentadiene		0.076	0.074	0.085	0.082	0.09	0.098	0.111	0.088	14.7
2,4,6-Trichlorophenol	0.368	0.378	0.349	0.359	0.342	0.345	0.332	0.322	0.349	5.25
2,4,5-Trichlorophenol	0.388	0.393	0.369	0.383	0.365	0.373	0.335	0.306	0.364	8.10
2-Chloronaphthalene	1.15	1.16	1.07	1.07	1.02	1.01	0.946	0.853	1.04	9.88
2-Nitroaniline	0.335	0.326	0.298	0.330	0.313	0.328	0.347	0.317	0.324	4.60

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 10/03/05

Calibration Times: 09:12

LAB FILE ID: RRF1.0 = 1003709.D RRF2.0 = 1003708.D RRF4.0 = 1003707.D RRF6.0 = 1003706.D

RRF8.0 = 1003705.D RRF12.0 = 1003704.D RRF24.0 = 1003703.D RRF48.0 = 1003702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
3-Nitroaniline	0.007	0.023	0.027	0.029	0.028	0.026	0.026		0.023	32.7
1-Methylnaphthalene	1.43	1.44	1.35	1.34	1.28	1.27	1.18	1.01	1.29	11.0
Dimethylphthalate	1.32	1.30	1.22	1.23	1.16	1.16	1.10	1.06	1.20	7.59
Acenaphthylene	1.66	1.66	1.54	1.54	1.46	1.40	1.14		1.48	12.2
2,6-Dinitrotoluene	0.267	0.280	0.273	0.285	0.268	0.273	0.261	0.253	0.270	3.83
Acenaphthene	1.15	1.15	1.06	1.08	1.03	1.02	0.948	0.828	1.03	10.3
2,4-Dinitrophenol	0.168	0.176	0.167	0.183	0.178	0.183	0.183	0.178	0.177	3.73
4-Nitrophenol	0.124	0.122	0.133	0.150	0.143	0.149	0.153	0.144	0.140	8.67
Dibenzofuran	1.68	1.66	1.52	1.54	1.45	1.42	1.31	1.16	1.47	11.8
2,4-Dinitrotoluene	0.359	0.365	0.337	0.350	0.328	0.324	0.294	0.276	0.329	9.48
Fluorene	1.24	1.20	1.10	1.14	1.07	1.05	0.935		1.10	9.17
Diethylphthalate	1.34	1.34	1.24	1.25	1.19	1.17	1.08	0.969	1.20	10.5
4-Chlorophenyl phenyl ether	0.593	0.570	0.536	0.535	0.503	0.494	0.439		0.524	9.73
4-Nitroaniline	0.134	0.143	0.125	0.142	0.131	0.164			0.140	9.79
2-Fluorobiphenyl (surr)	1.31	1.35	1.24	1.24	1.17	1.17	1.10	0.957	1.19	10.4
2,4,6-Tribromophenol (surr)	0.121	0.120	0.117	0.127	0.124	0.130	0.130	0.130	0.125	4.26
4,6-Dinitro-2-methylphenol	0.119	0.130	0.131	0.143	0.138	0.140	0.139	0.134	0.134	5.66
Diphenylamine	0.322	0.294	0.240	0.218	0.214	0.193			0.247	20.4
4-bromophenyl phenyl ether	0.190	0.198	0.181	0.189	0.177	0.178	0.165	0.137	0.177	10.8
Hexachlorobenzene	0.183	0.185	0.172	0.176	0.168	0.170	0.161	0.145	0.170	7.60
Pentachlorophenol	0.116	0.125	0.120	0.131	0.125	0.127	0.129	0.116	0.124	4.59
Phenanthrene	1.19	1.18	1.08	1.09	1.04	1.04	0.959	0.820	1.05	11.4
Carbazole	0.781	0.757	0.673	0.651	0.593	0.526			0.663	14.6
Anthracene	1.10	1.09	1.02	1.03	0.980	0.975	0.915	0.743	0.981	11.6
Azobenzene	0.886	0.900	0.836	0.842	0.797	0.787	0.702	0.584	0.792	13.2
Di-n-Butylphthalate	1.48	1.49	1.38	1.36	1.27	1.24	1.14	0.931	1.29	14.5
Fluoranthene	1.10	1.10	1.02	1.05	0.984	0.995	0.936	0.814	0.998	9.31
alpha-BHC	0.133	0.137	0.126	0.128	0.117	0.115	0.103	0.084	0.118	14.9
beta-BHC	0.110	0.116	0.108	0.112	0.106	0.104	0.095	0.072	0.103	13.6
gamma-BHC	0.115	0.116	0.111	0.111	0.104	0.102	0.093	0.079	0.104	12.2
delta-BHC	0.101	0.107	0.100	0.104	0.097	0.097	0.086	0.064	0.095	14.6
Heptachlor	0.139	0.142	0.136	0.136	0.129	0.128	0.113	0.083	0.126	15.4
Aldrin	0.152	0.153	0.145	0.144	0.137	0.131	0.111	0.079	0.131	19.1
Heptachlor Epoxide	0.037	0.043	0.044	0.044	0.042	0.045	0.045	0.042	0.043	5.66
Endosulfan I	0.029	0.034	0.036	0.036	0.034	0.033	0.028	0.022	0.031	14.6

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date(s): 10/03/05

Calibration Times: 09:12

LAB FILE ID: RRF1.0 = 1003709.D RRF2.0 = 1003708.D RRF4.0 = 1003707.D RRF6.0 = 1003706.D

RRF8.0 = 1003705.D RRF12.0 = 1003704.D RRF24.0 = 1003703.D RRF48.0 = 1003702.D

COMPOUND	RRF 1.0	RRF 2.0	RRF 4.0	RRF 6.0	RRF 8.0	RRF 12.0	RRF 24.0	RRF 48.0	ICAL RRF	% RSD
4,4'-DDE	0.206	0.211	0.192	0.197	0.188	0.191	0.175	0.139	0.187	12.0
Dieldrin	0.195	0.202	0.188	0.188	0.178	0.172	0.149	0.112	0.173	17.0
Endrin	0.026	0.03	0.029	0.032	0.029	0.03	0.03	0.027	0.029	6.22
4,4'-DDD	0.375	0.373	0.346	0.356	0.337	0.340	0.313	0.242	0.335	12.7
Endosulfan Sulfate	0.043	0.048	0.045	0.045	0.043	0.041	0.036	0.025	0.041	17.8
4,4'-DDT	0.238	0.237	0.236	0.246	0.232	0.232	0.218	0.170	0.226	10.7
Endrin Ketone	0.024	0.031	0.032	0.032	0.031	0.033	0.031	0.024	0.03	11.7
Methoxychlor	0.480	0.477	0.458	0.481	0.450	0.439	0.399	0.300	0.436	14.0
Pyrene	1.70	1.71	1.54	1.58	1.52	1.54	1.46	1.39	1.56	6.96
Butylbenzylphthalate	0.956	0.972	0.885	0.890	0.851	0.848	0.797	0.729	0.866	9.20
Benzo[a]anthracene	1.30	1.30	1.22	1.26	1.19	1.20	1.19	1.14	1.22	4.58
3,3'-Dichlorobenzidine	0.061	0.069	0.074	0.093	0.089	0.102	0.138	0.150	0.097	33.0
Chrysene	1.24	1.26	1.17	1.19	1.12	1.12	1.00	0.833	1.12	12.5
Bis(2-ethylhexyl)phthalate	1.43	1.43	1.27	1.23	1.15	1.14	0.951		1.23	13.8
4-Terphenyl-d14 (surr)	1.09	1.12	1.02	1.06	1.03	1.04	1.01	0.948	1.04	5.11
Di-n-octylphthalate	2.98	3.12	2.66	2.65	2.70	2.82	2.62	2.22	2.72	9.93
Benzo[b]fluoranthene	1.44	1.46	1.36	1.41	1.39	1.47	1.53	1.55	1.45	4.60
Benzo[k]fluoranthene	1.42	1.46	1.35	1.43	1.42	1.43	1.28	1.12	1.36	8.24
Benzo[a]pyrene	1.21	1.19	1.17	1.24	1.18	1.21	1.20	1.11	1.19	3.28
Indeno(1,2,3-c,d)pyrene	0.716	0.715	0.803	0.816	0.705	0.779	0.848	0.886	0.783	8.59
Dibenzo[a,h]anthracene	0.662	0.679	0.782	0.821	0.714	0.786	0.830	0.816	0.761	8.77
Benzo[g,h,i]perylene	0.700	0.715	0.813	0.803	0.691	0.762	0.803	0.807	0.762	6.85

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 10/07/05 Time: 11:11

Lab File ID: 1007702.D Init. Calib. Date: 10/03/05

EPA Sample No.: SVCVS24 Init. Calib. Time: 09:12

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
1,2,4-Trichlorobenzene	0.255	0.238		6.7	
1,2-Dichlorobenzene	1.23	1.211		1.4	
1,3-Dichlorobenzene	1.35	1.320		1.9	
1,4-Dichlorobenzene	1.37	1.357		1.0	20.0
1,4-Dichlorobenzene-D4	1.00	1.000		0.0	
1-Methylnaphthalene	1.29	1.062		17.5	
2,4,5-Trichlorophenol	0.364	0.350		3.8	
2,4,6-Trichlorophenol	0.349	0.330		5.4	20.0
2,4-Dichlorophenol	0.236	0.227		3.8	20.0
2,4-Dimethylphenol	0.169	0.171		-1.2	
2,4-Dinitrophenol	0.177	0.164	0.050	7.3	
2,4-Dinitrotoluene	0.329	0.291		11.6	
2,6-Dinitrotoluene	0.270	0.255		5.6	
2-Chloronaphthalene	1.04	0.958		7.4	
2-Chlorophenol	1.32	1.304		1.1	
2-Methylnaphthalene	0.616	0.577		6.3	
2-Methylphenol	0.972	0.945		2.8	
2-Nitroaniline	0.324	0.353		-9.0	
2-Nitrophenol	0.183	0.173		5.5	20.0
3-, 4-Methylphenol	1.41	1.362		3.3	
3-Nitroaniline	0.023	0.024#		-4.3	
4,6-Dinitro-2-methylphenol	0.134	0.126		6.0	
4-bromophenyl phenyl ether	0.177	0.167		5.6	
4-Chloro-3-methylphenol	0.249	0.238		4.4	20.0
4-Chloroaniline	0.073	0.187		-156.2	
4-Chlorophenyl phenyl ether	0.524	0.459		12.4	
4-Nitroaniline	0.140	0.119		15.0	
4-Nitrophenol	0.140	0.160	0.050	-14.3	
Acenaphthene	1.03	0.958		7.2	20.0
Acenaphthene-d10	1.00	1.000		0.0	
Acenaphthylene	1.48	1.338		9.9	
Aldrin	0.131	0.118		9.9	
alpha-BHC	0.118	0.106		10.2	
Anthracene	0.981	0.923		5.9	
Azobenzene	0.792	0.725		8.5	
Benzoic Acid	0.192	0.192		0.0	
Benzo[a]anthracene	1.22	1.180		3.7	
Benzo[a]pyrene	1.19	1.220		-2.8	20.0
Benzo[b]fluoranthene	1.45	1.442		0.7	
Benzo[k]fluoranthene	1.36	1.406		-2.9	

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 10/07/05 Time: 11:11

Lab File ID: 1007702.D Init. Calib. Date: 10/03/05

EPA Sample No.: SVCVS24 Init. Calib. Time: 09:12

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Benzyl Alcohol	0.835	0.858		-2.8	
beta-BHC	0.103	0.098		4.9	
Bis(2-chloroethoxy)methane	0.356	0.330		7.3	
Bis(2-chloroethyl)ether	1.370	1.411		-3.0	
Bis(2-chloroisopropyl)ether	2.226	2.172		2.4	
Bis(2-ethylhexyl)phthalate	1.229	1.006		18.1	
Butylbenzylphthalate	0.866	0.768		11.3	
Carbazole	0.663	0.331		50.1	
Chrysene	1.117	1.099		1.6	
Chrysene-D12	1.000	1.000		0.0	
delta-BHC	0.095	0.092		3.2	
Di-n-Butylphthalate	1.287	1.175		8.7	
Di-n-octylphthalate	2.723	2.516		7.6	20.0
Dibenzofuran	1.468	1.340		8.7	
Dibenzo[a,h]anthracene	0.761	0.903		-18.7	
Dieldrin	0.173	0.157		9.2	
Diethylphthalate	1.196	1.097		8.3	
Dimethylphthalate	1.195	1.094		8.5	
Diphenylamine	0.247	0.227		8.1	
Endosulfan I	0.031	0.030#		3.2	
Endosulfan II	0.000	0.000#		0.0	
Endosulfan Sulfate	0.041	0.042#		-2.4	
Endrin	0.029	0.030#		-3.4	
Endrin Aldehyde	0.000	0.000#		0.0	
Endrin Ketone	0.030	0.032#		-6.7	
Fluoranthene	0.998	0.960		3.8	20.0
Fluorene	1.105	0.989		10.5	
gamma-BHC	0.104	0.095		8.7	
Heptachlor	0.126	0.117		7.1	
Heptachlor Epoxide	0.043	0.043#		0.0	
Hexachlorobenzene	0.170	0.161		5.3	
Hexachlorobutadiene	0.124	0.116		6.5	20.0
Hexachlorocyclopentadiene	0.088	0.100	0.050	-13.6	
Hexachloroethane	0.485	0.479		1.2	
Indeno(1,2,3-c,d)pyrene	0.783	0.890		-13.7	
Isophorone	0.526	0.498		5.3	
Methoxychlor	0.436	0.444		-1.8	
N-Nitrosodi-n-propylamine	0.771	0.694		10.0	
N-Nitrosodimethylamine	0.443	0.501		-13.1	
Naphthalene	0.832	0.775		6.9	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Instrument ID: MSD7 Calibration Date: 10/07/05 Time: 11:11

Lab File ID: 1007702.D Init. Calib. Date: 10/03/05

EPA Sample No.: SVCVS24 Init. Calib. Time: 09:12

GC Column: Rtx-5Sil MS ID: 0.25 (mm)

COMPOUND	ICAL RRF	CCAL RRF	MIN RRF	%D	MAX %D
Naphthalene-D8	1.000	1.000		0.0	
Nitrobenzene	0.319	0.298		6.6	
Pentachlorophenol	0.124	0.124		0.0	20.0
Perylene-D12	1.000	1.000		0.0	
Phenanthrene	1.048	0.961		8.3	
Phenanthrene-D10	1.000	1.000		0.0	
Phenol	1.674	1.591		5.0	20.0
Pyrene	1.557	1.387		10.9	
Pyridine	0.651	1.013		-55.6	
2,4,6-Tribromophenol	0.125	0.124		0.8	
2-Fluorobiphenyl	1.19	1.123		5.8	
2-Fluorophenol	1.15	1.201		-4.4	
4-Terphenyl-d14	1.04	0.951		8.6	
Nitrobenzene-d5	0.150	0.142		5.3	
Phenol-d6	1.59	1.566		1.5	

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical Laboratories, INC.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:

Lab Code: NC00919 Case No: SAS No.: SDG No.:

EPA Sample No.: SVCVS24 Date Analyzed: 10/07/05

Lab File ID (Standard): 1007702.D Time Analyzed: 11:11

Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	131054	7.61	549248	9.56	263828	12.37
	UPPER LIMIT	262108	8.11	1098496	10.06	527656	12.87
	LOWER LIMIT	65527	7.11	274624	9.06	131914	11.87
	EPA SAMPLE						
01	G649-2-1O MS	104705	7.6	430666	9.56	208359	12.37
02	G649-2-1P MSD	113224	7.6	454045	9.56	217862	12.37
03	G649-2-1N	113546	7.6	455748	9.55	213810	12.37
04	LCS3780	107436	7.6	433085	9.56	209315	12.37
05	PB3780	101128	7.6	403873	9.55	186569	12.37
06	TWHS-1	108582	7.6	430685	9.55	199796	12.37
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

Paradigm Analytical Laboratories, INC.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Paradigm Analytical Laboratories, INC. Contract:
Lab Code: NC00919 Case No: SAS No.: SDG No.:
EPA Sample No.: SVCVS24 Date Analyzed: 10/07/05
Lab File ID (Standard): 1007702.D Time Analyzed: 11:11
Instrument ID: MSD7 GC Column: Rtx-5Sil MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	431141	14.79	298787	19.1	284032	21.73
	UPPER LIMIT	862282	15.29	597574	19.6	142016	22.23
	LOWER LIMIT	215571	14.29	149394	18.6	71008	21.23
	EPA SAMPLE						
01	G649-2-1O MS	337405	14.79	196727	19.08	103861	21.72
02	G649-2-1P MSD	349180	14.79	197719	19.08	94379	21.72
03	G649-2-1N	361417	14.79	190568	19.08	85055	21.72
04	LCS3780	338764	14.78	184836	19.08	101857	21.72
05	PB3780	307219	14.79	162721	19.08	78691	21.72
06	TWHS-1	345002	14.79	182077	19.08	71611	21.73
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

Paradigm Analytical Laboratories, INC.

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) WATER Lab Sample ID: LCS3780
Sample wt/vol: 5 (mL) Lab File ID: 1007715.D
Level: (low/med) LOW
% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 10/07/05 19:17
Concentrated Extract Volume: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (µL) Extraction: (Type) CONT
GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
83-32-9	Acenaphthene	100	96.1	96.1	61.6-101
208-96-8	Acenaphthylene	100	107	107	66.1-116
120-12-7	Anthracene	100	91.1	91.1	48.7-94.6
56-55-3	Benzo[a]anthracene	100	95.7	95.7	67.4-101
50-32-8	Benzo[a]pyrene	100	101	101	41.6-102
205-99-2	Benzo[b]fluoranthene	100	105	105	37.4-108
191-24-2	Benzo[g,h,i]perylene	100	88.8	88.8	42.0-113
207-08-9	Benzo[k]fluoranthene	100	117	117	29.6-126
65-85-0	Benzoic Acid	100	74.7	74.7	29.5-107
100-51-6	Benzyl Alcohol	100	79.7	79.7	61.6-98.5
111-91-1	Bis(2-chloroethoxy)methane	100	93.1	93.1	56.4-10.0
111-44-4	Bis(2-chloroethyl)ether	100	82.4	82.4	44.6-93.2
108-60-1	Bis(2-chloroisopropyl)ether	100	89.3	89.3	53.5-102
117-81-7	Bis(2-ethylhexyl)phthalate	100	101	101	47.2-121
101-55-3	4-bromophenyl phenyl ether	100	94.2	94.2	42.1-110
85-68-7	Butylbenzylphthalate	100	106	106	52.8-120
106-47-8	4-Chloroaniline	100	216	216	10.0-248
59-50-7	4-Chloro-3-methylphenol	100	93.1	93.1	64.3-97.6
91-58-7	2-Chloronaphthalene	100	95.6	95.6	59.0-100
95-57-8	2-Chlorophenol	100	86.1	86.1	56.9-93.4
7005-72-3	4-Chlorophenyl phenyl ether	100	94.7	94.7	64.4-106
218-01-9	Chrysene	100	101	101	65.8-106
84-74-2	Di-n-Butylphthalate	100	99.6	99.6	61.8-110
117-84-0	Di-n-octylphthalate	100	122	122*	21.0-118
53-70-3	Dibenzo[a,h]anthracene	100	96.8	96.8	40.6-112
132-64-9	Dibenzofuran	100	87.6	87.6	69.2-103
95-50-1	1,2-Dichlorobenzene	100	83.0	83.0	24.2-91.0
541-73-1	1,3-Dichlorobenzene	100	78.5	78.5	18.0-84.5
106-46-7	1,4-Dichlorobenzene	100	80.6	80.6	20.6-82.8
91-94-1	3,3'-Dichlorobenzidine	100	203	203	10.0-360
120-83-2	2,4-Dichlorophenol	100	89.3	89.3	57.9-96.6
84-66-2	Diethylphthalate	100	100	100	65.8-102
105-67-9	2,4-Dimethylphenol	100	108	108	18.2-110
131-11-3	Dimethylphthalate	100	94.6	94.6	60.2-99.5
534-52-1	4,6-Dinitro-2-methylphenol	100	35.3	35.3*	40.4-103
51-28-5	2,4-Dinitrophenol	100	29.1	29.1*	40.5-106
121-14-2	2,4-Dinitrotoluene	100	90.9	90.9	63.7-116
606-20-2	2,6-Dinitrotoluene	100	92.2	92.2	61.6-99.2
206-44-0	Fluoranthene	100	91.9	91.9	64.0-103
86-73-7	Fluorene	100	97.6	97.6	67.2-102
118-74-1	Hexachlorobenzene	100	94.0	94.0	45.0-112

LABORATORY CONTROL SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Paradigm Analytical Laboratories, INC.
Lab Code: NC00919 Case No.: SAS No.: SDG No:
Matrix: (soil/water) WATER Lab Sample ID: LCS3780
Sample wt/vol: 5 (mL) Lab File ID: 1007715.D
Level: (low/med) LOW
% Moisture: NA Decanted:(Y/N) NA Date Analyzed: 10/07/05 19:17
Concentrated Extract Volume: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (µL) Extraction: (Type) CONT
GPC Cleanup: N

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
87-68-3	Hexachlorobutadiene	100	88.5	88.5	26.0-94.3
77-47-4	Hexachlorocyclopentadiene	100	14.0	14.0	10.0-126
67-72-1	Hexachloroethane	100	64.6	64.6	10.0-89.9
193-39-5	Indeno(1,2,3-c,d)pyrene	100	88.0	88.0	42.8-105
78-59-1	Isophorone	100	103	103	62.3-112
90-12-0	1-Methylnaphthalene	100	83.6	83.6	58.1-105
91-57-6	2-Methylnaphthalene	100	87.6	87.6	57.9-103
95-48-7	2-Methylphenol	100	90.4	90.4	58.9-96.1
108-39-4	4-Methylphenol	200	153	76.3	48.4-99.9
621-64-7	N-Nitrosodi-n-propylamine	100	81.3	81.3	62.6-108
86-30-6	Diphenylamine	100	284	284*	10.0-214
91-20-3	Naphthalene	100	94.5	94.5	46.1-10.0
88-74-4	2-Nitroaniline	100	100	100	68.9-121
99-09-2	3-Nitroaniline	100	85.4	85.4	10.0-649
100-01-6	4-Nitroaniline	100	163	163*	50.1-137
98-95-3	Nitrobenzene	100	96.2	96.2	52.4-97.2
88-75-5	2-Nitrophenol	100	79.0	79.0	49.9-93.7
100-02-7	4-Nitrophenol	100	105	105	53.7-125
87-86-5	Pentachlorophenol	100	70.3	70.3	37.0-102
85-01-8	Phenanthrene	100	95.7	95.7	59.5-107
108-95-2	Phenol	100	84.7	84.7	57.4-99.5
129-00-0	Pyrene	100	109	109	44.1-124
120-82-1	1,2,4-Trichlorobenzene	100	88.2	88.2	37.6-97.9
95-95-4	2,4,5-Trichlorophenol	100	89.5	89.5	59.4-96.8
88-06-2	2,4,6-Trichlorophenol	100	88.3	88.3	57.6-94.8

Metals Sample Raw Data

PARADIGM ANALYTICAL LABORATORIES, INC.

Analytical Sequence

Method : TALmethod

BSW
RML

101205

Seq	Loc	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3 -High	Applied
3	5	Std4 -High	Applied
4	6	Std5 -High	Applied
5	3	Std2 -Mid	Applied
6	2	Std1 -Low	Applied
7	7	icv	Analyzed
8	3	ccv1	Analyzed
9	1	ccb1	Analyzed
10	8	icsA1	Analyzed
11	9	icsB1	Analyzed
12	2	lowstd	Analyzed
13	10	pb3797	Analyzed
14	11	lcs3797	Analyzed
15	12	lcd3797	Analyzed
16	13	G414-67-4Q	Analyzed
17	14	G414-67-4R ms	Analyzed
18	15	G414-67-4S msd	Analyzed
19	16	G414-67-5M	Analyzed
20	3	ccv2	Analyzed
21	1	ccb2	Analyzed
22	17	G161-2181-1H	Analyzed
23	18	G161-2182-13N	Analyzed
24	19	G161-2182-14L	Analyzed
25	20	G161-2182-15N	Analyzed
26	21	G161-2183-5H	Analyzed
27	8	icsA2	Analyzed
28	9	icsB2	Analyzed
29	3	ccv3	Analyzed
30	1	ccb3	Analyzed

OES 101205.1

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Laboratories
Information Management System

Home Login Prep Samples Reports Reference Audit

Procedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

pb3797 - PASS
lcs3797 - PASS
lcd3797 - PASS
G414-67-4Q - PASS
G414-67-4R - PASS
G414-67-4S - PASS
G414-67-5M - PASS
G161-2181-1H - PASS
G161-2182-13N - PASS
G161-2182-14L - PASS
G161-2182-15N - PASS
G161-2183-5H - PASS

Return to Upload

Return to PALims

Analysis Begun

Start Time: 10/12/2005 09:14:11 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 10/12/2005 08:19:16 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\101205a.sif
Batch ID:
Results Data Set: 101205a
Results Library: C:\pe\Anyone\Results\Results.mdb

Method Loaded
Method Name: TALmethod
IEC File: 021605.iec
Method Description: TAL with interference correction

Method Last Saved: 3/2/2005 02:48:59 PM
MSF File:

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 09:14:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	-100.5	14.67	14.59%	[0.00]	mg/L
Se 196	205.5	8.85	4.31%	[0.00]	mg/L
Cd 214	670.4	205.38	30.64%	[0.00]	mg/L
Pb 220	1207.4	40.00	3.31%	[0.00]	mg/L
Ba 234	-6495.4	152.03	2.34%	[0.00]	mg/L
Fe 260	-46109.4	901.33	1.95%	[0.00]	mg/L
Cr 268	-10147.6	265.39	2.62%	[0.00]	mg/L
Mg 279	-840.1	79.23	9.43%	[0.00]	mg/L
Al 308	719.8	124.30	17.27%	[0.00]	mg/L
Ca 318	-3077.6	581.27	18.89%	[0.00]	mg/L
Ag 328	-7580.7	0.00	0.00%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Std3 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/12/2005 09:18:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3 -High

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: Std3 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	8814.8	17.65	0.20%	[1]	mg/L
Se 196	10059.1	15.02	0.15%	[1]	mg/L
Cd 214	436848.9	2276.35	0.52%	[1]	mg/L
Pb 220	30337.8	332.04	1.09%	[1]	mg/L
Ba 234	3232043.4	2395.24	0.07%	[5]	mg/L
Cr 268	456153.7	4378.99	0.96%	[1]	mg/L

Sequence No.: 3
Sample ID: Std4 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/12/2005 09:21:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4 -High

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: Std4 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	409012.6	1596.48	0.39%	[5]	mg/L
Mg 279	34963.9	4.35	0.01%	[5]	mg/L
Al 308	96693.4	784.17	0.81%	[5]	mg/L
Ca 318	295966.3	546.63	0.18%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 10/12/2005 09:24:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5 -High

Analyte	Back Pressure	Flow
All	138.0 kPa	0.80 L/min

Mean Data: Std5 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	894642.2	2875.32	0.32%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2 -Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 09:25:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2 -Mid

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: Std2 -Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	4571.7	41.05	0.90%	[0.5]	mg/L
Se 196	5050.9	7.20	0.14%	[0.5]	mg/L
Cd 214	215043.6	684.60	0.32%	[0.5]	mg/L
Pb 220	14975.1	54.88	0.37%	[0.5]	mg/L
Ba 234	1603329.6	72054.23	4.49%	[2.5]	mg/L
Fe 260	203180.1	0.00	0.00%	[2.5]	mg/L
Cr 268	223686.2	497.17	0.22%	[0.5]	mg/L
Mg 279	17605.5	42.14	0.24%	[2.5]	mg/L
Al 308	48040.3	218.00	0.45%	[2.5]	mg/L
Ca 318	145958.2	2233.41	1.53%	[2.5]	mg/L
Ag 328	444271.9	798.57	0.18%	[0.5]	mg/L

Sequence No.: 6
Sample ID: Std1 -Low

Autosampler Location: 2
Date Collected: 10/12/2005 09:30:02 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1 -Low

Analyte	Back Pressure	Flow
All	137 0 kPa	0 80 L/min

Mean Data: Std1 -Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	79.6	2.87	3.60%	[0.01]	mg/L
Se 196	88.0	5.62	6.39%	[0.01]	mg/L
Cd 214	2680.3	435.98	16.27%	[0.005]	mg/L
Pb 220	268.1	64.88	24.20%	[0.01]	mg/L
Ba 234	64435.2	120.06	0.19%	[0.1]	mg/L
Fe 260	6638.5	164.54	2.48%	[0.1]	mg/L
Cr 268	4094.9	217.78	5.32%	[0.01]	mg/L
Mg 279	752.2	55.09	7.32%	[0.1]	mg/L
Al 308	1667.9	155.41	9.32%	[0.1]	mg/L
Ca 318	5969.4	132.70	2.22%	[0.1]	mg/L
Ag 328	8761.8	68.66	0.78%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin Thru 0	0.0	8880	0.00000	0.999890	
Se 196	3	Lin Thru 0	0.0	10070	0.00000	0.999998	
Cd 214	3	Lin Thru 0	0.0	435500	0.00000	0.999980	
Pb 220	3	Lin Thru 0	0.0	30260	0.00000	0.999986	
Ba 234	3	Lin Thru 0	0.0	645400	0.00000	0.999995	
Fe 260	3	Lin Thru 0	0.0	81690	0.00000	0.999991	
Cr 268	3	Lin Thru 0	0.0	454400	0.00000	0.999970	
Mg 279	3	Lin Thru 0	0.0	7003	0.00000	0.999995	
Al 308	3	Lin Thru 0	0.0	19310	0.00000	0.999994	
Ca 318	3	Lin Thru 0	0.0	59030	0.00000	0.999985	
Ag 328	3	Lin Thru 0	0.0	893400	0.00000	0.999996	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/12/2005 09:34:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	138.0 kPa	0.80 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9089.8	1.02	mg/L	0.002	1.02	mg/L	0.002	0.19%
Se 196	2576.1	0.255	mg/L	0.0012	0.255	mg/L	0.0012	0.46%
Cd 214	107073.7	0.246	mg/L	0.0010	0.246	mg/L	0.0010	0.42%
Pb 220	30470.3	1.01	mg/L	0.007	1.01	mg/L	0.007	0.72%
Ba 234	3206464.6	4.97	mg/L	0.057	4.97	mg/L	0.057	1.15%
Fe 260	81261.0	0.995	mg/L	0.0130	0.995	mg/L	0.0130	1.31%
Cr 268	455580.2	1.00	mg/L	0.007	1.00	mg/L	0.007	0.65%
Mg 279	6607.0	0.943	mg/L	0.0079	0.943	mg/L	0.0079	0.84%
Al 308	96588.0	5.00	mg/L	0.025	5.00	mg/L	0.025	0.50%
Ca 318	294467.6	4.99	mg/L	0.045	4.99	mg/L	0.045	0.90%
Ag 328	85300.1	0.0955	mg/L	0.00025	0.0955	mg/L	0.00025	0.27%

Sequence No.: 8
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 09:38:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4512.9	0.509	mg/L	0.0058	0.509	mg/L	0.0058	1.13%
Se 196	4960.1	0.487	mg/L	0.0008	0.487	mg/L	0.0008	0.16%
Cd 214	210819.9	0.484	mg/L	0.0031	0.484	mg/L	0.0031	0.63%
Pb 220	14930.3	0.493	mg/L	0.0052	0.493	mg/L	0.0052	1 05%
Ba 234	1593281.2	2.47	mg/L	0.008	2.47	mg/L	0.008	0.34%
Fe 260	202804.9	2.48	mg/L	0.024	2.48	mg/L	0.024	0.95%
Cr 268	221810.6	0.488	mg/L	0.0025	0.488	mg/L	0.0025	0.51%
Mg 279	17385.9	2.48	mg/L	0.003	2.48	mg/L	0.003	0.14%
Al 308	47457.7	2.46	mg/L	0.019	2.46	mg/L	0.019	0.78%
Ca 318	144635.9	2.45	mg/L	0.007	2.45	mg/L	0.007	0.30%
Ag 328	438850.3	0.491	mg/L	0.0049	0.491	mg/L	0.0049	0.99%

Sequence No.: 9
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 09:42:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-5.0	-0.0006	mg/L	0.00287	-0.0006	mg/L	0.00287	506.97%
Se 196	9.0	0.0009	mg/L	0.00043	0.0009	mg/L	0.00043	48.64%
Cd 214	243.7	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	19.68%
Pb 220	-41.9	-0.0014	mg/L	0.00070	-0.0014	mg/L	0.00070	50.52%
Ba 234	-505.2	-0.0008	mg/L	0.00071	-0.0008	mg/L	0.00071	91.13%
Fe 260	-1523.6	-0.0187	mg/L	0.00000	-0.0187	mg/L	0.00000	0.00%
Cr 268	-178.8	-0.0004	mg/L	0.00056	-0.0004	mg/L	0.00056	141.42%
Mg 279	-141.7	-0.0202	mg/L	0.00525	-0.0202	mg/L	0.00525	25.97%
Al 308	-52.6	-0.0027	mg/L	0.00259	-0.0027	mg/L	0.00259	95.07%
Ca 318	35.7	0.0006	mg/L	0.00899	0.0006	mg/L	0.00899	>999.9%
Ag 328	96.8	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	141.42%

Sequence No.: 10
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/12/2005 09:46:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: icsA1

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	-62.8	0.0026	mg/L	0.00205	0.0026	mg/L	0.00205	78.68%
Se 196	-587.5	0.0014	mg/L	0.00101	0.0014	mg/L	0.00101	74.11%
Cd 214	2344.6	0.0001	mg/L	0.00095	0.0001	mg/L	0.00095	694.87%
Pb 220	119.3	-0.0050	mg/L	0.00215	-0.0050	mg/L	0.00215	43.25%
Ba 234	-1519.2	-0.0024	mg/L	0.00059	-0.0024	mg/L	0.00059	24.93%
Fe 260	8091240.7	99.0	mg/L	0.46	99.0	mg/L	0.46	0.46%
Cr 268	-813.1	-0.0018	mg/L	0.00010	-0.0018	mg/L	0.00010	5.68%
Mg 279	272818.2	39.0	mg/L	0.24	39.0	mg/L	0.24	0.61%
Al 308	1970674.0	102	mg/L	0.2	102	mg/L	0.2	0.17%
Ca 318	2294681.1	38.9	mg/L	0.15	38.9	mg/L	0.15	0.39%
Ag 328	-2572.3	-0.0029	mg/L	0.00038	-0.0029	mg/L	0.00038	13.30%

Sequence No.: 11
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/12/2005 09:50:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	2572.0	0.300	mg/L	0.0026	0.300	mg/L	0.0026	0.85%
Se 196	2376.0	0.291	mg/L	0.0043	0.291	mg/L	0.0043	1.47%
Cd 214	120908.2	0.272	mg/L	0.0012	0.272	mg/L	0.0012	0.43%
Pb 220	8845.5	0.284	mg/L	0.0014	0.284	mg/L	0.0014	0.49%
Ba 234	609337.4	0.944	mg/L	0.0048	0.944	mg/L	0.0048	0.51%
Fe 260	7971597.7	97.6	mg/L	1.23	97.6	mg/L	1.23	1.26%
Cr 268	127489.8	0.281	mg/L	0.0028	0.281	mg/L	0.0028	0.99%
Mg 279	275391.0	39.3	mg/L	0.90	39.3	mg/L	0.90	2.29%
Al 308	1936211.3	100	mg/L	1.1	100	mg/L	1.1	1.05%
Ca 318	2271630.5	38.5	mg/L	0.40	38.5	mg/L	0.40	1.05%
Ag 328	253262.9	0.283	mg/L	0.0027	0.283	mg/L	0.0027	0.94%

Sequence No.: 12
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/12/2005 09:54:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	137.0 kPa	0.80 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	93.1	0.0105	mg/L	0.00155	0.0105	mg/L	0.00155	14.85%
Se 196	105.3	0.0104	mg/L	0.00196	0.0104	mg/L	0.00196	18.88%
Cd 214	2180.1	0.0050	mg/L	0.00021	0.0050	mg/L	0.00021	4.28%
Pb 220	364.0	0.0120	mg/L	0.00268	0.0120	mg/L	0.00268	22.30%
Ba 234	62191.3	0.0964	mg/L	0.00122	0.0964	mg/L	0.00122	1.27%
Fe 260	7883.7	0.0965	mg/L	0.01954	0.0965	mg/L	0.01954	20.25%
Cr 268	4232.3	0.0093	mg/L	0.00091	0.0093	mg/L	0.00091	9.74%
Mg 279	606.0	0.0865	mg/L	0.00664	0.0865	mg/L	0.00664	7.68%
Al 308	1764.7	0.0914	mg/L	0.00096	0.0914	mg/L	0.00096	1.05%
Ca 318	5668.1	0.0960	mg/L	0.00402	0.0960	mg/L	0.00402	4.19%
Ag 328	8697.0	0.0097	mg/L	0.00033	0.0097	mg/L	0.00033	3.41%

Sequence No.: 13
Sample ID: pb3797
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 10/12/2005 09:58:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb3797

Analyte	Back Pressure	Flow
All	136.0 kPa	0.80 L/min

Mean Data: pb3797

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17.7	0.0020	mg/L	0.00192	0.0020	mg/L	0.00192	96.88%
Se 196	-6.2	-0.0006	mg/L	0.00090	-0.0006	mg/L	0.00090	146.77%
Cd 214	290.5	0.0007	mg/L	0.00016	0.0007	mg/L	0.00016	23.64%
Pb 220	-8.5	-0.0003	mg/L	0.00070	-0.0003	mg/L	0.00070	248.81%
Ba 234	-576.7	-0.0009	mg/L	0.00021	-0.0009	mg/L	0.00021	23.01%
Fe 260	144.7	0.0018	mg/L	0.00853	0.0018	mg/L	0.00853	481.50%
Cr 268	-624.2	-0.0014	mg/L	0.00019	-0.0014	mg/L	0.00019	13.86%
Mg 279	-136.0	-0.0194	mg/L	0.02131	-0.0194	mg/L	0.02131	109.70%
Al 308	-315.2	-0.0163	mg/L	0.01689	-0.0163	mg/L	0.01689	103.50%
Ca 318	-808.8	-0.0137	mg/L	0.00674	-0.0137	mg/L	0.00674	49.22%
Ag 328	-143.8	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	206.40%

Sequence No.: 14
Sample ID: lcs3797
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/12/2005 10:02:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs3797

Analyte	Back Pressure	Flow
All	136.0 kPa	0.80 L/min

Mean Data: lcs3797

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3431.9	0.387	mg/L	0.0016	0.387	mg/L	0.0016	0.43%
Se 196	3715.6	0.365	mg/L	0.0016	0.365	mg/L	0.0016	0.45%
Cd 214	152983.8	0.351	mg/L	0.0013	0.351	mg/L	0.0013	0.36%
Pb 220	11257.1	0.372	mg/L	0.0025	0.372	mg/L	0.0025	0.67%
Ba 234	1182016.7	1.83	mg/L	0.012	1.83	mg/L	0.012	0.65%
Fe 260	145983.5	1.79	mg/L	0.013	1.79	mg/L	0.013	0.73%
Cr 268	165615.0	0.364	mg/L	0.0004	0.364	mg/L	0.0004	0.11%
Mg 279	12557.7	1.79	mg/L	0.006	1.79	mg/L	0.006	0.33%
Al 308	35092.9	1.82	mg/L	0.007	1.82	mg/L	0.007	0.38%
Ca 318	105126.0	1.78	mg/L	0.013	1.78	mg/L	0.013	0.76%
Ag 328	316056.6	0.354	mg/L	0.0009	0.354	mg/L	0.0009	0.25%

Sequence No.: 15
Sample ID: lcd3797
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 10/12/2005 10:06:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd3797

Analyte	Back Pressure	Flow
All	136.0 kPa	0.80 L/min

Mean Data: lcd3797

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	3411.4	0.385	mg/L	0.0002	0.385	mg/L	0.0002	0.06%
Se 196	3757.1	0.369	mg/L	0.0003	0.369	mg/L	0.0003	0.08%
Cd 214	153518.0	0.352	mg/L	0.0006	0.352	mg/L	0.0006	0.17%
Pb 220	11187.8	0.370	mg/L	0.0029	0.370	mg/L	0.0029	0.79%
Ba 234	1167397.0	1.81	mg/L	0.012	1.81	mg/L	0.012	0.68%
Fe 260	148357.6	1.82	mg/L	0.041	1.82	mg/L	0.041	2.26%
Cr 268	165751.2	0.365	mg/L	0.0009	0.365	mg/L	0.0009	0.24%
Mg 279	12693.7	1.81	mg/L	0.017	1.81	mg/L	0.017	0.96%
Al 308	35235.6	1.82	mg/L	0.011	1.82	mg/L	0.011	0.60%
Ca 318	105407.5	1.79	mg/L	0.020	1.79	mg/L	0.020	1.13%
Ag 328	316717.6	0.354	mg/L	0.0015	0.354	mg/L	0.0015	0.43%

Sequence No.: 16
Sample ID: G414-67-4Q
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 10/12/2005 10:10:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G414-67-4Q

Analyte	Back Pressure	Flow
All	136.0 kPa	0.80 L/min

Mean Data: G414-67-4Q

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	26.2	0.0030	mg/L	0.00180	0.0030	mg/L	0.00180	60.39%
Se 196	61.2	0.0063	mg/L	0.00128	0.0063	mg/L	0.00128	20.53%
Cd 214	-44.4	-0.0001	mg/L	0.00064	-0.0001	mg/L	0.00064	545.22%
Pb 220	-11.1	-0.0004	mg/L	0.00069	-0.0004	mg/L	0.00069	174.84%
Ba 234	7265.2	0.0113	mg/L	0.00033	0.0113	mg/L	0.00033	2.95%
Fe 260	24325.4	0.298	mg/L	0.0045	0.298	mg/L	0.0045	1.52%
Cr 268	254.0	0.0006	mg/L	0.00176	0.0006	mg/L	0.00176	314.05%
Mg 279	1219162.8	174	mg/L	0.6	174	mg/L	0.6	0.36%
Al 308	4136.7	0.214	mg/L	0.0116	0.214	mg/L	0.0116	5.41%
Ca 318	4429654.0	75.0	mg/L	0.04	75.0	mg/L	0.04	0.05%
Ag 328	227.0	0.0003	mg/L	0.00031	0.0003	mg/L	0.00031	120.65%

Sequence No.: 17
Sample ID: G414-67-4R ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/12/2005 10:15:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G414-67-4R ms

Analyte	Back Pressure	Flow
All	138.0 kPa	0.80 L/min

Mean Data: G414-67-4R ms

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	3294.2	0.372	mg/L	0.0022	0.372	mg/L	0.0022	0.60%
Se 196	3721.4	0.366	mg/L	0.0032	0.366	mg/L	0.0032	0.89%
Cd 214	139455.2	0.320	mg/L	0.0029	0.320	mg/L	0.0029	0.90%
Pb 220	10779.3	0.356	mg/L	0.0024	0.356	mg/L	0.0024	0.69%
Ba 234	1101939.3	1.71	mg/L	0.029	1.71	mg/L	0.029	1.71%
Fe 260	158024.8	1.93	mg/L	0.026	1.93	mg/L	0.026	1.35%
Cr 268	152760.2	0.336	mg/L	0.0013	0.336	mg/L	0.0013	0.38%
Mg 279	1212467.8	173	mg/L	0.7	173	mg/L	0.7	0.39%
Al 308	37030.9	1.92	mg/L	0.000	1.92	mg/L	0.000	0.00%
Ca 318	4333980.3	73.4	mg/L	0.22	73.4	mg/L	0.22	0.30%
Ag 328	321267.2	0.360	mg/L	0.0030	0.360	mg/L	0.0030	0.82%

Sequence No : 18
Sample ID: G414-67-4S msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 10/12/2005 10:20:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G414-67-4S msd

Analyte	Back Pressure	Flow
All	139.0 kPa	0.80 L/min

Mean Data: G414-67-4S msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3244.8	0.366	mg/L	0.0285	0.366	mg/L	0.0285	7.80%
Se 196	3461.9	0.340	mg/L	0.0175	0.340	mg/L	0.0175	5.15%
Cd 214	127349.1	0.292	mg/L	0.0044	0.292	mg/L	0.0044	1.52%
Pb 220	10298.6	0.340	mg/L	0.0021	0.340	mg/L	0.0021	0.63%
Ba 234	1058356.9	1.64	mg/L	0.025	1.64	mg/L	0.025	1.53%
Fe 260	165174.4	2.02	mg/L	0.007	2.02	mg/L	0.007	0.32%
Cr 268	147923.4	0.326	mg/L	0.0003	0.326	mg/L	0.0003	0.09%
Mg 279	1213108.2	173	mg/L	0.5	173	mg/L	0.5	0.30%
Al 308	38676.8	2.00	mg/L	0.007	2.00	mg/L	0.007	0.35%
Ca 318	4534802.4	76.8	mg/L	0.26	76.8	mg/L	0.26	0.34%
Ag 328	318234.1	0.356	mg/L	0.0054	0.356	mg/L	0.0054	1.51%

Sequence No.: 19
Sample ID: G414-67-5M
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/12/2005 10:24:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G414-67-5M

Analyte	Back Pressure	Flow
All	139.0 kPa	0.80 L/min

Mean Data: G414-67-5M

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-4.0	-0.0004	mg/L	0.00087	-0.0004	mg/L	0.00087	196.94%
Se 196	-2.0	-0.0002	mg/L	0.00352	-0.0002	mg/L	0.00352	>999.9%
Cd 214	238.6	0.0005	mg/L	0.00102	0.0005	mg/L	0.00102	186.38%
Pb 220	64.7	0.0021	mg/L	0.00323	0.0021	mg/L	0.00323	151.23%
Ba 234	-165.3	-0.0003	mg/L	0.00013	-0.0003	mg/L	0.00013	49.42%
Fe 260	-18.4	-0.0002	mg/L	0.01303	-0.0002	mg/L	0.01303	>999.9%
Cr 268	93.8	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	141.42%
Mg 279	-49.2	-0.0070	mg/L	0.00139	-0.0070	mg/L	0.00139	19.73%
Al 308	-329.9	-0.0171	mg/L	0.01063	-0.0171	mg/L	0.01063	62.25%
Ca 318	574.2	0.0097	mg/L	0.00562	0.0097	mg/L	0.00562	57.77%
Ag 328	-289.4	-0.0003	mg/L	0.00015	-0.0003	mg/L	0.00015	47.24%

Sequence No.: 20
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 10:28:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccv2

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	4371.8	0.493	mg/L	0.0005	0.493	mg/L	0.0005	0.10%
Se 196	4874.8	0.479	mg/L	0.0022	0.479	mg/L	0.0022	0.46%
Cd 214	201962.8	0.464	mg/L	0.0003	0.464	mg/L	0.0003	0.06%
Pb 220	14553.2	0.481	mg/L	0.0070	0.481	mg/L	0.0070	1.45%
Ba 234	1538479.3	2.38	mg/L	0.001	2.38	mg/L	0.001	0.04%
Fe 260	200922.3	2.46	mg/L	0.013	2.46	mg/L	0.013	0.53%
Cr 268	217170.4	0.478	mg/L	0.0003	0.478	mg/L	0.0003	0.06%
Mg 279	16938.9	2.42	mg/L	0.009	2.42	mg/L	0.009	0.39%
Al 308	47651.3	2.47	mg/L	0.018	2.47	mg/L	0.018	0.74%
Ca 318	141454.3	2.40	mg/L	0.047	2.40	mg/L	0.047	1.95%
Ag 328	436268.8	0.488	mg/L	0.0028	0.488	mg/L	0.0028	0.57%

Sequence No.: 21
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 10:32:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	-4.1	-0.0005	mg/L	0.00186	-0.0005	mg/L	0.00186	398.58%
Se 196	13.9	0.0014	mg/L	0.00241	0.0014	mg/L	0.00241	175.97%
Cd 214	268.6	0.0006	mg/L	0.00083	0.0006	mg/L	0.00083	134.61%
Pb 220	12.9	0.0004	mg/L	0.00157	0.0004	mg/L	0.00157	367.90%
Ba 234	-259.1	-0.0004	mg/L	0.00033	-0.0004	mg/L	0.00033	82.74%
Fe 260	-771.0	-0.0094	mg/L	0.00000	-0.0094	mg/L	0.00000	0.00%
Cr 268	-342.7	-0.0008	mg/L	0.00107	-0.0008	mg/L	0.00107	141.42%
Mg 279	-75.6	-0.0108	mg/L	0.02537	-0.0108	mg/L	0.02537	234.83%
Al 308	-223.1	-0.0116	mg/L	0.00860	-0.0116	mg/L	0.00860	74.40%
Ca 318	-442.1	-0.0075	mg/L	0.00375	-0.0075	mg/L	0.00375	50.09%
Ag 328	339.4	0.0004	mg/L	0.00033	0.0004	mg/L	0.00033	87.08%

Sequence No.: 22
Sample ID: G161-2181-1H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 10/12/2005 10:36:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2181-1H

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2181-1H

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	440.0	0.0507	mg/L	0.00236	0.0507	mg/L	0.00236	4.66%
Se 196	38.5	0.0102	mg/L	0.00200	0.0102	mg/L	0.00200	19.64%
Cd 214	549.6	0.0007	mg/L	0.00082	0.0007	mg/L	0.00082	117.08%
Pb 220	1305.3	0.0422	mg/L	0.00325	0.0422	mg/L	0.00325	7.71%
Ba 234	37201.0	0.0576	mg/L	0.00049	0.0576	mg/L	0.00049	0.85%
Fe 260	863904.7	10.6	mg/L	0.03	10.6	mg/L	0.03	0.31%
Cr 268	14397.6	0.0317	mg/L	0.00139	0.0317	mg/L	0.00139	4.37%
Mg 279	38298.1	5.47	mg/L	0.040	5.47	mg/L	0.040	0.73%
Al 308	282827.1	14.6	mg/L	0.07	14.6	mg/L	0.07	0.49%
Ca 318	5201782.3	88.1	mg/L	0.52	88.1	mg/L	0.52	0.59%
Ag 328	-130.7	-0.0001	mg/L	0.00041	-0.0001	mg/L	0.00041	280.09%

Sequence No.: 23
Sample ID: G161-2182-13N
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 10/12/2005 10:40:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-13N

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G161-2182-13N

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	19.3	0.0034	mg/L	0.00149	0.0034	mg/L	0.00149	43.35%
Se 196	-14.5	0.0089	mg/L	0.00106	0.0089	mg/L	0.00106	11.97%
Cd 214	690.8	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	6.77%
Pb 220	356.6	0.0102	mg/L	0.00003	0.0102	mg/L	0.00003	0.28%
Ba 234	314721.4	0.488	mg/L	0.0011	0.488	mg/L	0.0011	0.23%
Fe 260	1402004.4	17.2	mg/L	0.02	17.2	mg/L	0.02	0.11%
Cr 268	8641.3	0.0190	mg/L	0.00056	0.0190	mg/L	0.00056	2.93%
Mg 279	215337.3	30.8	mg/L	0.33	30.8	mg/L	0.33	1.07%
Al 308	269334.2	13.9	mg/L	0.03	13.9	mg/L	0.03	0.22%
Ca 318	3902227.3	66.1	mg/L	0.28	66.1	mg/L	0.28	0.43%
Ag 328	1368.1	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.02%

Sequence No.: 24
Sample ID: G161-2182-14L
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 10/12/2005 10:45:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-14L

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G161-2182-14L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	7.0	0.0013	mg/L	0.00147	0.0013	mg/L	0.00147	114.68%
Se 196	44.4	0.0081	mg/L	0.00082	0.0081	mg/L	0.00082	10.11%
Cd 214	397.0	0.0006	mg/L	0.00038	0.0006	mg/L	0.00038	63.74%
Pb 220	633.5	0.0204	mg/L	0.00227	0.0204	mg/L	0.00227	11.15%
Ba 234	86873.5	0.135	mg/L	0.0035	0.135	mg/L	0.0035	2.60%
Fe 260	496622.2	6.08	mg/L	0.064	6.08	mg/L	0.064	1.05%
Cr 268	3190.2	0.0070	mg/L	0.00058	0.0070	mg/L	0.00058	8.32%
Mg 279	125062.5	17.9	mg/L	0.25	17.9	mg/L	0.25	1.41%
Al 308	63369.9	3.28	mg/L	0.003	3.28	mg/L	0.003	0.09%
Ca 318	3149197.5	53.3	mg/L	0.27	53.3	mg/L	0.27	0.50%
Ag 328	-290.0	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	31.03%

Sequence No.: 25
Sample ID: G161-2182-15N
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/12/2005 10:49:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-15N

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G161-2182-15N

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
As 189	-0.2	0.0003	mg/L	0.00163	0.0003	mg/L	0.00163	509.28%
Se 196	64.4	0.0088	mg/L	0.00091	0.0088	mg/L	0.00091	10.29%
Cd 214	187.2	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	94.46%
Pb 220	721.7	0.0235	mg/L	0.00089	0.0235	mg/L	0.00089	3.79%
Ba 234	61271.4	0.0949	mg/L	0.00044	0.0949	mg/L	0.00044	0.46%
Fe 260	329499.4	4.03	mg/L	0.002	4.03	mg/L	0.002	0.05%
Cr 268	3668.3	0.0081	mg/L	0.00026	0.0081	mg/L	0.00026	3.28%
Mg 279	160247.0	22.9	mg/L	0.15	22.9	mg/L	0.15	0.66%
Al 308	60808.4	3.15	mg/L	0.007	3.15	mg/L	0.007	0.22%
Ca 318	2996718.0	50.8	mg/L	0.58	50.8	mg/L	0.58	1.14%
Ag 328	-64.6	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	141.42%

Sequence No.: 26
Sample ID: G161-2183-5H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/12/2005 10:53:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2183-5H

Analyte	Back Pressure	Flow
All	142.0 kPa	0.80 L/min

Mean Data: G161-2183-5H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-9.7	-0.0010	mg/L	0.00286	-0.0010	mg/L	0.00286	274.90%
Se 196	46.5	0.0061	mg/L	0.00370	0.0061	mg/L	0.00370	60.94%
Cd 214	410.8	0.0008	mg/L	0.00061	0.0008	mg/L	0.00061	75.24%
Pb 220	112.9	0.0035	mg/L	0.00078	0.0035	mg/L	0.00078	22.06%
Ba 234	114178.2	0.177	mg/L	0.0012	0.177	mg/L	0.0012	0.66%
Fe 260	196030.5	2.40	mg/L	0.033	2.40	mg/L	0.033	1.36%
Cr 268	571.9	0.0013	mg/L	0.00114	0.0013	mg/L	0.00114	90.62%
Mg 279	185053.9	26.4	mg/L	0.05	26.4	mg/L	0.05	0.19%
Al 308	37367.3	1.93	mg/L	0.015	1.93	mg/L	0.015	0.78%
Ca 318	3259683.0	55.2	mg/L	0.06	55.2	mg/L	0.06	0.11%
Ag 328	-111.6	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	184.00%

Sequence No.: 27
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/12/2005 10:57:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-64.2	0.0021	mg/L	0.00274	0.0021	mg/L	0.00274	131.67%
Se 196	-570.1	0.0007	mg/L	0.00207	0.0007	mg/L	0.00207	282.94%
Cd 214	2600.1	0.0009	mg/L	0.00041	0.0009	mg/L	0.00041	43.93%
Pb 220	160.0	-0.0033	mg/L	0.00078	-0.0033	mg/L	0.00078	23.79%
Ba 234	-1045.8	-0.0016	mg/L	0.00041	-0.0016	mg/L	0.00041	25.38%
Fe 260	7771930.6	95.1	mg/L	0.05	95.1	mg/L	0.05	0.06%
Cr 268	-358.8	-0.0008	mg/L	0.00029	-0.0008	mg/L	0.00029	36.98%
Mg 279	269046.1	38.4	mg/L	0.11	38.4	mg/L	0.11	0.29%
Al 308	1922200.6	99.5	mg/L	0.27	99.5	mg/L	0.27	0.27%
Ca 318	2223866.1	37.7	mg/L	0.02	37.7	mg/L	0.02	0.06%
Ag 328	-2541.2	-0.0028	mg/L	0.00044	-0.0028	mg/L	0.00044	15.30%

Sequence No.: 28
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/12/2005 11:01:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2478.2	0.289	mg/L	0.0043	0.289	mg/L	0.0043	1.48%
Se 196	2255.6	0.277	mg/L	0.0005	0.277	mg/L	0.0005	0.20%
Cd 214	115781.7	0.261	mg/L	0.0016	0.261	mg/L	0.0016	0.60%
Pb 220	8708.9	0.279	mg/L	0.0002	0.279	mg/L	0.0002	0.08%
Ba 234	580513.0	0.899	mg/L	0.0100	0.899	mg/L	0.0100	1.11%
Fe 260	7695233.6	94.2	mg/L	0.31	94.2	mg/L	0.31	0.33%
Cr 268	123779.1	0.272	mg/L	0.0000	0.272	mg/L	0.0000	0.00%
Mg 279	263827.9	37.7	mg/L	0.19	37.7	mg/L	0.19	0.50%
Al 308	1902390.9	98.5	mg/L	0.29	98.5	mg/L	0.29	0.30%
Ca 318	2210249.4	37.4	mg/L	0.26	37.4	mg/L	0.26	0.69%
Ag 328	248309.5	0.278	mg/L	0.0019	0.278	mg/L	0.0019	0.69%

Sequence No.: 29
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 11:05:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4256.6	0.480	mg/L	0.0009	0.480	mg/L	0.0009	0.19%
Se 196	4740.5	0.465	mg/L	0.0025	0.465	mg/L	0.0025	0.54%
Cd 214	195196.1	0.448	mg/L	0.0047	0.448	mg/L	0.0047	1.05%
Pb 220	14189.7	0.469	mg/L	0.0003	0.469	mg/L	0.0003	0.06%
Ba 234	1497516.2	2.32	mg/L	0.026	2.32	mg/L	0.026	1.14%
Fe 260	191776.0	2.35	mg/L	0.000	2.35	mg/L	0.000	0.01%
Cr 268	213153.4	0.469	mg/L	0.0000	0.469	mg/L	0.0000	0.00%
Mg 279	16584.6	2.37	mg/L	0.014	2.37	mg/L	0.014	0.59%
Al 308	46262.2	2.40	mg/L	0.000	2.40	mg/L	0.000	0.01%
Ca 318	137086.6	2.32	mg/L	0.012	2.32	mg/L	0.012	0.52%
Ag 328	425619.1	0.476	mg/L	0.0008	0.476	mg/L	0.0008	0.17%

Sequence No.: 30
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 1
Date Collected: 10/12/2005 11:09:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 10/12/2005 11:17:35 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 10/12/2005 08:19:16 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\101205a.sif
Batch ID:
Results Data Set: 101205a
Results Library: C:\pe\Anyone\Results\Results.mdb

Sequence No.: 29
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 11:17:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4426.7	0.499	mg/L	0.0004	0.499	mg/L	0.0004	0.07%
Se 196	4956.0	0.486	mg/L	0.0019	0.486	mg/L	0.0019	0.39%
Cd 214	206804.3	0.475	mg/L	0.0003	0.475	mg/L	0.0003	0.05%
Pb 220	14861.4	0.491	mg/L	0.0011	0.491	mg/L	0.0011	0.23%
Ba 234	1538014.9	2.38	mg/L	0.002	2.38	mg/L	0.002	0.07%
Fe 260	196406.8	2.40	mg/L	0.026	2.40	mg/L	0.026	1.08%
Cr 268	219533.9	0.483	mg/L	0.0006	0.483	mg/L	0.0006	0.12%
Mg 279	17114.6	2.44	mg/L	0.014	2.44	mg/L	0.014	0.57%
Al 308	47846.6	2.48	mg/L	0.005	2.48	mg/L	0.005	0.19%
Ca 318	142826.1	2.42	mg/L	0.006	2.42	mg/L	0.006	0.24%
Ag 328	445755.8	0.499	mg/L	0.0013	0.499	mg/L	0.0013	0.25%

Sequence No.: 30
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 11:21:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	16.8	0.0019	mg/L	0.00220	0.0019	mg/L	0.00220	116.67%
Se 196	-5.4	-0.0005	mg/L	0.00036	-0.0005	mg/L	0.00036	66.43%
Cd 214	302.6	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	13.21%
Pb 220	4.9	0.0002	mg/L	0.00104	0.0002	mg/L	0.00104	642.55%
Ba 234	-844.5	-0.0013	mg/L	0.00081	-0.0013	mg/L	0.00081	62.15%
Fe 260	-771.0	-0.0094	mg/L	0.00000	-0.0094	mg/L	0.00000	0.00%
Cr 268	-177.8	-0.0004	mg/L	0.00061	-0.0004	mg/L	0.00061	157.18%
Mg 279	-148.8	-0.0212	mg/L	0.00524	-0.0212	mg/L	0.00524	24.68%
Al 308	-149.4	-0.0077	mg/L	0.00450	-0.0077	mg/L	0.00450	58.21%
Ca 318	-375.3	-0.0064	mg/L	0.00086	-0.0064	mg/L	0.00086	13.45%
Ag 328	-16.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	141.42%

Analytical Sequence

Method : TALmethod

Seq	Loc	Sample ID	Status
1	1	CalBlank	Applied
2	4	Std3 -High	Applied
3	5	Std4 -High	Applied
4	6	Std5 -High	Applied
5	3	Std2 -Mid	Applied
6	2	Std1 -Low	Applied
7	7	icv	Analyzed
8	3	ccv1	Analyzed
9	1	ccb1	Analyzed
10	8	icsA1	Analyzed
11	9	icsB1	Analyzed
12	2	lowstd	Analyzed
13	10	pb3802	Analyzed
14	11	lcs3802	Analyzed
15	12	lcd3802	Analyzed
16	13	G161-2183-1D	Analyzed
17	14	G161-2183-1E ms	Analyzed
18	15	G161-2183-1F msd	Analyzed
19	16	G161-2183-2D	Analyzed
20	3	ccv2	Analyzed
21	1	ccb2	Analyzed
22	17	G161-2182-1M	Analyzed
23	18	G161-2182-3B	Analyzed
24	19	G161-2182-4B	Analyzed
25	20	G161-2182-5B	Analyzed
26	21	G161-2182-8B	Analyzed
27	22	G161-2182-10B	Analyzed
28	23	G161-2182-12F	Analyzed
29	24	G639-8-1H	Analyzed
30	25	G639-8-2H	Analyzed
31	26	G639-8-3J	Analyzed
32	3	ccv3	Analyzed
33	1	ccb3	Analyzed
34	27	G639-8-3K dup	Analyzed
35	8	icsA2	Analyzed
36	9	icsB2	Analyzed
37	3	ccv4	Analyzed
38	1	ccb4	Analyzed

Analysis Begun

Start Time: 10/12/2005 11:50:29 AM
Logged In Analyst: Anyone
Spectrometer Model: Optima 2100

Plasma On Time: 10/12/2005 08:19:16 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Anyone\Sample Information\101205b.sif
Batch ID:
Results Data Set: 101205b
Results Library: C:\pe\Anyone\Results\Results.mdb

Sequence No.: 1
Sample ID: CalBlank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 11:50:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CalBlank

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: CalBlank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	-136.0	3.30	2.42%	[0.00]	mg/L
Se 196	161.7	5.67	3.51%	[0.00]	mg/L
Cd 214	1030.1	136.92	13.29%	[0.00]	mg/L
Pb 220	1168.4	58.15	4.98%	[0.00]	mg/L
Ba 234	-6598.2	6.70	0.10%	[0.00]	mg/L
Fe 260	-46880.4	0.00	0.00%	[0.00]	mg/L
Cr 268	-10959.5	444.26	4.05%	[0.00]	mg/L
Mg 279	-962.2	36.43	3.79%	[0.00]	mg/L
Al 308	554.0	163.68	29.54%	[0.00]	mg/L
Ca 318	-3359.0	613.00	18.25%	[0.00]	mg/L
Ag 328	-7725.5	158.46	2.05%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Std3 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/12/2005 11:54:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std3 -High

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: Std3 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	8651.8	32.69	0.38%	[1]	mg/L
Se 196	9902.8	37.32	0.38%	[1]	mg/L
Cd 214	422968.7	53.69	0.01%	[1]	mg/L
Pb 220	29625.4	170.37	0.58%	[1]	mg/L
Ba 234	3135857.7	5125.46	0.16%	[5]	mg/L
Cr 268	449385.1	2123.14	0.47%	[1]	mg/L

Sequence No.: 3
Sample ID: Std4 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/12/2005 11:57:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std4 -High

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: Std4 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Fe 260	401505.2	3725.12	0.93%	[5]	mg/L
Mg 279	34605.9	28.36	0.08%	[5]	mg/L
Al 308	96377.5	70.85	0.07%	[5]	mg/L
Ca 318	288075.9	3610.86	1.25%	[5]	mg/L

Sequence No.: 4
Sample ID: Std5 -High
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 10/12/2005 12:00:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std5 -High

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: Std5 -High

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328	881345.9	2166.96	0.25%	[1]	mg/L

Sequence No.: 5
Sample ID: Std2 -Mid
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 12:01:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std2 -Mid

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: Std2 -Mid

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	4462.4	2.49	0.06%	[0.5]	mg/L
Se 196	4978.3	14.65	0.29%	[0.5]	mg/L
Cd 214	207620.2	690.25	0.33%	[0.5]	mg/L
Pb 220	14716.9	53.20	0.36%	[0.5]	mg/L
Ba 234	1542232.6	3437.48	0.22%	[2.5]	mg/L
Fe 260	198942.9	3889.65	1.96%	[2.5]	mg/L
Cr 268	221002.5	755.83	0.34%	[0.5]	mg/L
Mg 279	17147.0	168.61	0.98%	[2.5]	mg/L
Al 308	47733.4	76.73	0.16%	[2.5]	mg/L
Ca 318	142095.3	663.48	0.47%	[2.5]	mg/L
Ag 328	443319.8	68.46	0.02%	[0.5]	mg/L

Sequence No.: 6
Sample ID: Std1 -Low
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/12/2005 12:06:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Std1 -Low

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: Std1 -Low

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
As 189	137.8	8.70	6.31%	[0.01]	mg/L
Se 196	145.1	9.11	6.28%	[0.01]	mg/L
Cd 214	1686.2	136.92	8.12%	[0.005]	mg/L
Pb 220	309.8	33.30	10.75%	[0.01]	mg/L
Ba 234	62951.4	644.15	1.02%	[0.1]	mg/L
Fe 260	8934.2	0.00	0.00%	[0.1]	mg/L
Cr 268	5418.4	385.53	7.12%	[0.01]	mg/L
Mg 279	784.7	98.40	12.54%	[0.1]	mg/L
Al 308	1810.0	68.46	3.78%	[0.1]	mg/L
Ca 318	6510.0	0.00	0.00%	[0.1]	mg/L
Ag 328	8825.6	0.00	0.00%	[0.01]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
As 189	3	Lin Thru 0	0.0	8707	0.00000	0.999908	
Se 196	3	Lin Thru 0	0.0	9914	0.00000	0.999989	
Cd 214	3	Lin Thru 0	0.0	421400	0.00000	0.999973	
Pb 220	3	Lin Thru 0	0.0	29590	0.00000	0.999997	
Ba 234	3	Lin Thru 0	0.0	625100	0.00000	0.999978	
Fe 260	3	Lin Thru 0	0.0	80160	0.00000	0.999991	
Cr 268	3	Lin Thru 0	0.0	447900	0.00000	0.999977	
Mg 279	3	Lin Thru 0	0.0	6909	0.00000	0.999991	
Al 308	3	Lin Thru 0	0.0	19240	0.00000	0.999992	
Ca 318	3	Lin Thru 0	0.0	57460	0.00000	0.999983	
Ag 328	3	Lin Thru 0	0.0	882400	0.00000	0.999997	

Sequence No.: 7
Sample ID: icv
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 10/12/2005 12:10:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icv

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icv

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	9009.6	1.04	mg/L	0.004	1.04	mg/L	0.004	0.36%
Se 196	2494.2	0.251	mg/L	0.0018	0.251	mg/L	0.0018	0.72%
Cd 214	103109.9	0.245	mg/L	0.0016	0.245	mg/L	0.0016	0.64%
Pb 220	29533.1	0.998	mg/L	0.0063	0.998	mg/L	0.0063	0.63%
Ba 234	3123262.7	5.00	mg/L	0.015	5.00	mg/L	0.015	0.30%
Fe 260	79494.2	0.992	mg/L	0.0049	0.992	mg/L	0.0049	0.50%
Cr 268	452637.7	1.01	mg/L	0.001	1.01	mg/L	0.001	0.11%
Mg 279	6650.0	0.963	mg/L	0.0026	0.963	mg/L	0.0026	0.27%
Al 308	96895.9	5.04	mg/L	0.015	5.04	mg/L	0.015	0.30%
Ca 318	286574.6	4.99	mg/L	0.021	4.99	mg/L	0.021	0.42%
Ag 328	84686.6	0.0960	mg/L	0.00101	0.0960	mg/L	0.00101	1.05%

Sequence No.: 8
Sample ID: ccv1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 12:14:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv1

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccv1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4506.2	0.518	mg/L	0.0087	0.518	mg/L	0.0087	1.68%
Se 196	4925.5	0.491	mg/L	0.0009	0.491	mg/L	0.0009	0.17%
Cd 214	206134.0	0.489	mg/L	0.0025	0.489	mg/L	0.0025	0.51%
Pb 220	14656.3	0.495	mg/L	0.0018	0.495	mg/L	0.0018	0.37%
Ba 234	1552616.4	2.48	mg/L	0.033	2.48	mg/L	0.033	1.35%
Fe 260	197554.1	2.46	mg/L	0.020	2.46	mg/L	0.020	0.81%
Cr 268	221002.5	0.493	mg/L	0.0039	0.493	mg/L	0.0039	0.78%
Mg 279	17114.4	2.48	mg/L	0.003	2.48	mg/L	0.003	0.11%
Al 308	47701.4	2.48	mg/L	0.011	2.48	mg/L	0.011	0.43%
Ca 318	142205.0	2.47	mg/L	0.012	2.47	mg/L	0.012	0.50%
Ag 328	440753.9	0.499	mg/L	0.0036	0.499	mg/L	0.0036	0.72%

Sequence No : 9
Sample ID: ccb1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 12:18:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb1

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccb1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	27.4	0.0032	mg/L	0.00011	0.0032	mg/L	0.00011	3.34%
Se 196	80.8	0.0081	mg/L	0.00159	0.0081	mg/L	0.00159	19.57%
Cd 214	-329.2	-0.0008	mg/L	0.00039	-0.0008	mg/L	0.00039	49.33%
Pb 220	32.3	0.0011	mg/L	0.00123	0.0011	mg/L	0.00123	112.69%
Ba 234	456.4	0.0007	mg/L	0.00082	0.0007	mg/L	0.00082	112.06%
Fe 260	-424.7	-0.0053	mg/L	0.00749	-0.0053	mg/L	0.00749	141.42%
Cr 268	811.8	0.0018	mg/L	0.00000	0.0018	mg/L	0.00000	0.00%
Mg 279	95.8	0.0139	mg/L	0.00203	0.0139	mg/L	0.00203	14.66%
Al 308	-164.1	-0.0085	mg/L	0.00356	-0.0085	mg/L	0.00356	41.71%
Ca 318	-27.1	-0.0005	mg/L	0.00252	-0.0005	mg/L	0.00252	535.37%
Ag 328	435.1	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.05%

Sequence No.: 10
Sample ID: icsA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/12/2005 12:22:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA1

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icsA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-37.2	0.0055	mg/L	0.00332	0.0055	mg/L	0.00332	60.08%
Se 196	-480.2	0.0119	mg/L	0.00311	0.0119	mg/L	0.00311	26.20%
Cd 214	2312.3	0.0002	mg/L	0.00088	0.0002	mg/L	0.00088	473.73%
Pb 220	230.4	-0.0012	mg/L	0.00058	-0.0012	mg/L	0.00058	47.63%
Ba 234	-1058.5	-0.0017	mg/L	0.00000	-0.0017	mg/L	0.00000	0.00%

Fe 260	8020727.4	100	mg/L	0.4	100	mg/L	0.4	0.42%
Cr 268	810.6	0.0018	mg/L	0.00030	0.0018	mg/L	0.00030	16.37%
Mg 279	274060.6	39.7	mg/L	0.17	39.7	mg/L	0.17	0.44%
Al 308	1972681.0	103	mg/L	0.2	103	mg/L	0.2	0.16%
Ca 318	2293358.9	39.9	mg/L	0.07	39.9	mg/L	0.07	0.18%
Ag 328	-1782.1	-0.0020	mg/L	0.00070	-0.0020	mg/L	0.00070	34.64%

Sequence No.: 11
Sample ID: icsB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/12/2005 12:26:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB1

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icsB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2546.0	0.303	mg/L	0.0033	0.303	mg/L	0.0033	1.08%
Se 196	2409.3	0.299	mg/L	0.0015	0.299	mg/L	0.0015	0.49%
Cd 214	117660.1	0.274	mg/L	0.0011	0.274	mg/L	0.0011	0.39%
Pb 220	8939.5	0.293	mg/L	0.0019	0.293	mg/L	0.0019	0.64%
Ba 234	602027.6	0.963	mg/L	0.0027	0.963	mg/L	0.0027	0.28%
Fe 260	7945911.9	99.1	mg/L	0.23	99.1	mg/L	0.23	0.23%
Cr 268	127383.1	0.284	mg/L	0.0007	0.284	mg/L	0.0007	0.26%
Mg 279	275047.2	39.8	mg/L	0.30	39.8	mg/L	0.30	0.76%
Al 308	1952187.2	101	mg/L	0.1	101	mg/L	0.1	0.06%
Ca 318	2279691.3	39.7	mg/L	0.06	39.7	mg/L	0.06	0.15%
Ag 328	252020.2	0.286	mg/L	0.0002	0.286	mg/L	0.0002	0.05%

Sequence No.: 12
Sample ID: lowstd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/12/2005 12:30:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lowstd

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: lowstd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	114.3	0.0131	mg/L	0.00152	0.0131	mg/L	0.00152	11.61%
Se 196	148.8	0.0149	mg/L	0.00212	0.0149	mg/L	0.00212	14.19%
Cd 214	1879.8	0.0045	mg/L	0.00065	0.0045	mg/L	0.00065	14.55%
Pb 220	311.4	0.0105	mg/L	0.00063	0.0105	mg/L	0.00063	5.97%
Ba 234	60999.8	0.0976	mg/L	0.00231	0.0976	mg/L	0.00231	2.37%
Fe 260	7853.8	0.0980	mg/L	0.03234	0.0980	mg/L	0.03234	33.01%
Cr 268	4921.7	0.0110	mg/L	0.00092	0.0110	mg/L	0.00092	8.37%
Mg 279	771.4	0.112	mg/L	0.0008	0.112	mg/L	0.0008	0.69%
Al 308	1818.9	0.0945	mg/L	0.01497	0.0945	mg/L	0.01497	15.83%
Ca 318	6192.8	0.108	mg/L	0.0014	0.108	mg/L	0.0014	1.33%
Ag 328	8809.9	0.0100	mg/L	0.00023	0.0100	mg/L	0.00023	2.33%

Sequence No.: 13
Sample ID: pb3802
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 10/12/2005 12:34:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: pb3802

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: pb3802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	33.7	0.0039	mg/L	0.00356	0.0039	mg/L	0.00356	91.78%
Se 196	114.1	0.0115	mg/L	0.00224	0.0115	mg/L	0.00224	19.42%
Cd 214	539.9	0.0013	mg/L	0.00026	0.0013	mg/L	0.00026	20.09%
Pb 220	136.8	0.0046	mg/L	0.00188	0.0046	mg/L	0.00188	40.74%
Ba 234	299.2	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	20.84%
Fe 260	0.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	0.00%
Cr 268	445.4	0.0010	mg/L	0.00116	0.0010	mg/L	0.00116	116.36%
Mg 279	9.2	0.0013	mg/L	0.01152	0.0013	mg/L	0.01152	860.34%
Al 308	-115.7	-0.0060	mg/L	0.00000	-0.0060	mg/L	0.00000	0.00%
Ca 318	504.9	0.0088	mg/L	0.00000	0.0088	mg/L	0.00000	0.00%
Ag 328	-189.9	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	12.41%

Sequence No.: 14
Sample ID: lcs3802
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 10/12/2005 12:38:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcs3802

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: lcs3802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3130.5	0.360	mg/L	0.0024	0.360	mg/L	0.0024	0.66%
Se 196	3305.7	0.329	mg/L	0.0034	0.329	mg/L	0.0034	1.04%
Cd 214	145090.2	0.344	mg/L	0.0012	0.344	mg/L	0.0012	0.36%
Pb 220	10964.0	0.370	mg/L	0.0016	0.370	mg/L	0.0016	0.42%
Ba 234	1147990.6	1.84	mg/L	0.001	1.84	mg/L	0.001	0.07%
Fe 260	146001.9	1.82	mg/L	0.000	1.82	mg/L	0.000	0.00%
Cr 268	162997.5	0.364	mg/L	0.0015	0.364	mg/L	0.0015	0.41%
Mg 279	12683.6	1.84	mg/L	0.003	1.84	mg/L	0.003	0.15%
Al 308	35066.7	1.82	mg/L	0.007	1.82	mg/L	0.007	0.39%
Ca 318	104511.5	1.82	mg/L	0.003	1.82	mg/L	0.003	0.15%
Ag 328	309411.8	0.351	mg/L	0.0030	0.351	mg/L	0.0030	0.86%

Sequence No.: 15
Sample ID: lcd3802
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 10/12/2005 12:42:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: lcd3802

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: lcd3802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3189.8	0.367	mg/L	0.0026	0.367	mg/L	0.0026	0.70%
Se 196	3352.5	0.334	mg/L	0.0011	0.334	mg/L	0.0011	0.32%
Cd 214	145687.2	0.346	mg/L	0.0027	0.346	mg/L	0.0027	0.78%
Pb 220	11150.6	0.377	mg/L	0.0023	0.377	mg/L	0.0023	0.60%
Ba 234	1151069.6	1.84	mg/L	0.001	1.84	mg/L	0.001	0.04%

Fe 260	149764.8	1.87 mg/L	0.013	1.87 mg/L	0.013	0.71%
Cr 268	164166.0	0.367 mg/L	0.0033	0.367 mg/L	0.0033	0.91%
Mg 279	12690.0	1.84 mg/L	0.003	1.84 mg/L	0.003	0.15%
Al 308	35640.1	1.85 mg/L	0.003	1.85 mg/L	0.003	0.18%
Ca 318	105704.9	1.84 mg/L	0.011	1.84 mg/L	0.011	0.61%
Ag 328	315301.4	0.357 mg/L	0.0014	0.357 mg/L	0.0014	0.40%

Sequence No.: 16
Sample ID: G161-2183-1D
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 10/12/2005 12:46:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2183-1D

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2183-1D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	820.6	0.104	mg/L	0.0001	0.104	mg/L	0.0001	0.10%
Se 196	-448.0	0.0219	mg/L	0.00378	0.0219	mg/L	0.00378	17.22%
Cd 214	4966.8	0.0059	mg/L	0.00007	0.0059	mg/L	0.00007	1.20%
Pb 220	92750.2	3.12	mg/L	0.012	3.12	mg/L	0.012	0.38%
Ba 234	1114526.3	1.78	mg/L	0.010	1.78	mg/L	0.010	0.59%
Fe 260	8925618.1	111	mg/L	0.2	111	mg/L	0.2	0.19%
Cr 268	56564.8	0.126	mg/L	0.0007	0.126	mg/L	0.0007	0.54%
Mg 279	99368.4	14.4	mg/L	0.18	14.4	mg/L	0.18	1.25%
Al 308	1162934.7	60.4	mg/L	0.28	60.4	mg/L	0.28	0.47%
Ca 318	1154477.6	20.1	mg/L	0.04	20.1	mg/L	0.04	0.21%
Ag 328	-1492.2	-0.0017	mg/L	0.00039	-0.0017	mg/L	0.00039	23.07%

Sequence No.: 17
Sample ID: G161-2183-1E ms
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/12/2005 12:50:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2183-1E ms

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2183-1E ms

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3612.3	0.424	mg/L	0.0033	0.424	mg/L	0.0033	0.78%
Se 196	2511.2	0.310	mg/L	0.0016	0.310	mg/L	0.0016	0.51%
Cd 214	150503.3	0.352	mg/L	0.0012	0.352	mg/L	0.0012	0.33%
Pb 220	90030.7	3.03	mg/L	0.032	3.03	mg/L	0.032	1.07%
Ba 234	2646620.0	4.23	mg/L	0.018	4.23	mg/L	0.018	0.42%
Fe 260	8294099.7	103	mg/L	0.5	103	mg/L	0.5	0.45%
Cr 268	216967.6	0.484	mg/L	0.0021	0.484	mg/L	0.0021	0.43%
Mg 279	128878.2	18.7	mg/L	0.05	18.7	mg/L	0.05	0.27%
Al 308	1308431.9	68.0	mg/L	0.08	68.0	mg/L	0.08	0.12%
Ca 318	1223338.1	21.3	mg/L	0.02	21.3	mg/L	0.02	0.09%
Ag 328	320531.4	0.363	mg/L	0.0018	0.363	mg/L	0.0018	0.48%

Sequence No.: 18
Sample ID: G161-2183-1F msd
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 10/12/2005 12:54:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2183-1F msd

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2183-1F msd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	3487.6	0.418	mg/L	0.0016	0.418	mg/L	0.0016	0.39%
Se 196	1797.2	0.289	mg/L	0.0016	0.289	mg/L	0.0016	0.56%
Cd 214	152807.1	0.353	mg/L	0.0092	0.353	mg/L	0.0092	2.61%
Pb 220	96359.9	3.24	mg/L	0.016	3.24	mg/L	0.016	0.48%
Ba 234	2090495.7	3.34	mg/L	0.040	3.34	mg/L	0.040	1.18%
Fe 260	15061671.8	188	mg/L	2.4	188	mg/L	2.4	1.29%
Cr 268	204927.5	0.458	mg/L	0.0009	0.458	mg/L	0.0009	0.19%
Mg 279	102705.3	14.9	mg/L	0.13	14.9	mg/L	0.13	0.91%
Al 308	1241258.1	64.5	mg/L	0.30	64.5	mg/L	0.30	0.46%
Ca 318	1417735.4	24.7	mg/L	0.17	24.7	mg/L	0.17	0.67%
Ag 328	307296.1	0.348	mg/L	0.0015	0.348	mg/L	0.0015	0.43%

Sequence No.: 19
Sample ID: G161-2183-2D
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/12/2005 12:59:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2183-2D

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2183-2D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	284.8	0.0462	mg/L	0.00118	0.0462	mg/L	0.00118	2.55%
Se 196	-611.2	0.0253	mg/L	0.00234	0.0253	mg/L	0.00234	9.25%
Cd 214	5138.8	0.0046	mg/L	0.00043	0.0046	mg/L	0.00043	9.35%
Pb 220	55720.8	1.87	mg/L	0.003	1.87	mg/L	0.003	0.16%
Ba 234	782647.3	1.25	mg/L	0.009	1.25	mg/L	0.009	0.74%
Fe 260	11557968.6	144	mg/L	0.5	144	mg/L	0.5	0.35%
Cr 268	53617.3	0.120	mg/L	0.0006	0.120	mg/L	0.0006	0.52%
Mg 279	90260.8	13.1	mg/L	0.13	13.1	mg/L	0.13	0.97%
Al 308	1158660.0	60.2	mg/L	0.17	60.2	mg/L	0.17	0.28%
Ca 318	2062789.9	35.9	mg/L	0.50	35.9	mg/L	0.50	1.39%
Ag 328	-2399.3	-0.0027	mg/L	0.00023	-0.0027	mg/L	0.00023	8.55%

Sequence No.: 20
Sample ID: ccv2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 01:03:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv2

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccv2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4435.6	0.510	mg/L	0.0061	0.510	mg/L	0.0061	1.20%
Se 196	4912.0	0.490	mg/L	0.0016	0.490	mg/L	0.0016	0.32%
Cd 214	202856.0	0.481	mg/L	0.0012	0.481	mg/L	0.0012	0.26%
Pb 220	14621.9	0.494	mg/L	0.0032	0.494	mg/L	0.0032	0.65%
Ba 234	1558889.4	2.49	mg/L	0.040	2.49	mg/L	0.040	1.59%

Fe 260	200449.2	2.50 mg/L	0.044	2.50 mg/L	0.044	1.78%
Cr 268	221753.2	0.495 mg/L	0.0027	0.495 mg/L	0.0027	0.54%
Mg 279	17524.8	2.54 mg/L	0.012	2.54 mg/L	0.012	0.48%
Al 308	48800.0	2.54 mg/L	0.018	2.54 mg/L	0.018	0.71%
Ca 318	145360.9	2.53 mg/L	0.005	2.53 mg/L	0.005	0.22%
Ag 328	445692.7	0.505 mg/L	0.0018	0.505 mg/L	0.0018	0.35%

Sequence No.: 21
Sample ID: ccb2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 01:07:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb2

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccb2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	40.3	0.0046	mg/L	0.00350	0.0046	mg/L	0.00350	75.37%
Se 196	39.7	0.0040	mg/L	0.00160	0.0040	mg/L	0.00160	39.93%
Cd 214	-373.6	-0.0009	mg/L	0.00021	-0.0009	mg/L	0.00021	23.53%
Pb 220	46.7	0.0016	mg/L	0.00328	0.0016	mg/L	0.00328	207.55%
Ba 234	263.1	0.0004	mg/L	0.00103	0.0004	mg/L	0.00103	244.84%
Fe 260	-376.3	-0.0047	mg/L	0.00664	-0.0047	mg/L	0.00664	141.42%
Cr 268	821.7	0.0018	mg/L	0.00003	0.0018	mg/L	0.00003	1.70%
Mg 279	32.9	0.0048	mg/L	0.00689	0.0048	mg/L	0.00689	144.62%
Al 308	-80.4	-0.0042	mg/L	0.00260	-0.0042	mg/L	0.00260	62.15%
Ca 318	399.8	0.0070	mg/L	0.00258	0.0070	mg/L	0.00258	37.15%
Ag 328	130.0	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	158.00%

Sequence No.: 22
Sample ID: G161-2182-1M
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 10/12/2005 01:11:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-1M

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2182-1M

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	53.4	0.0144	mg/L	0.00487	0.0144	mg/L	0.00487	33.83%
Se 196	-333.5	0.0180	mg/L	0.00375	0.0180	mg/L	0.00375	20.78%
Cd 214	2556.5	0.0015	mg/L	0.00066	0.0015	mg/L	0.00066	43.03%
Pb 220	1804.0	0.0533	mg/L	0.00121	0.0533	mg/L	0.00121	2.27%
Ba 234	298926.5	0.478	mg/L	0.0021	0.478	mg/L	0.0021	0.44%
Fe 260	6871138.1	85.7	mg/L	0.54	85.7	mg/L	0.54	0.63%
Cr 268	27533.7	0.0615	mg/L	0.00033	0.0615	mg/L	0.00033	0.53%
Mg 279	43260.1	6.26	mg/L	0.024	6.26	mg/L	0.024	0.39%
Al 308	1313041.3	68.2	mg/L	0.14	68.2	mg/L	0.14	0.20%
Ca 318	475873.9	8.28	mg/L	0.051	8.28	mg/L	0.051	0.61%
Ag 328	-2022.6	-0.0023	mg/L	0.00041	-0.0023	mg/L	0.00041	18.07%

Sequence No.: 23
Sample ID: G161-2182-3B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 10/12/2005 01:15:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-3B

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2182-3B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	40.4	0.0105	mg/L	0.00165	0.0105	mg/L	0.00165	15.63%
Se 196	-231.7	0.0163	mg/L	0.00004	0.0163	mg/L	0.00004	0.23%
Cd 214	2000.4	0.0013	mg/L	0.00058	0.0013	mg/L	0.00058	46.06%
Pb 220	1800.8	0.0549	mg/L	0.00081	0.0549	mg/L	0.00081	1.48%
Ba 234	392950.5	0.629	mg/L	0.0108	0.629	mg/L	0.0108	1.72%
Fe 260	5269679.7	65.7	mg/L	0.36	65.7	mg/L	0.36	0.55%
Cr 268	11291.1	0.0252	mg/L	0.00000	0.0252	mg/L	0.00000	0.00%
Mg 279	19412.6	2.81	mg/L	0.018	2.81	mg/L	0.018	0.62%
Al 308	1177634.4	61.2	mg/L	0.14	61.2	mg/L	0.14	0.24%
Ca 318	506701.3	8.82	mg/L	0.058	8.82	mg/L	0.058	0.65%
Ag 328	-842.0	-0.0010	mg/L	0.00023	-0.0010	mg/L	0.00023	24.37%

Sequence No.: 24
Sample ID: G161-2182-4B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 10/12/2005 01:19:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-4B

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2182-4B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-42.9	0.0141	mg/L	0.00355	0.0141	mg/L	0.00355	25.11%
Se 196	-937.7	0.0143	mg/L	0.00293	0.0143	mg/L	0.00293	20.53%
Cd 214	4587.8	0.0013	mg/L	0.00037	0.0013	mg/L	0.00037	27.83%
Pb 220	2076.5	0.0539	mg/L	0.00008	0.0539	mg/L	0.00008	0.14%
Ba 234	1038558.6	1.66	mg/L	0.005	1.66	mg/L	0.005	0.30%
Fe 260	14470860.0	181	mg/L	2.0	181	mg/L	2.0	1.10%
Cr 268	215487.8	0.481	mg/L	0.0007	0.481	mg/L	0.0007	0.14%
Mg 279	478038.3	69.2	mg/L	0.19	69.2	mg/L	0.19	0.28%
Al 308	2452302.5	127	mg/L	0.0	127	mg/L	0.0	0.04%
Ca 318	1913584.0	33.3	mg/L	0.54	33.3	mg/L	0.54	1.61%
Ag 328	-4317.1	-0.0049	mg/L	0.00060	-0.0049	mg/L	0.00060	12.18%

Sequence No.: 25
Sample ID: G161-2182-5B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/12/2005 01:24:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-5B

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2182-5B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	471.1	0.0599	mg/L	0.00035	0.0599	mg/L	0.00035	0.59%
Se 196	-140.8	0.0240	mg/L	0.00491	0.0240	mg/L	0.00491	20.45%
Cd 214	13933.8	0.0297	mg/L	0.00004	0.0297	mg/L	0.00004	0.13%
Pb 220	6315.0	0.208	mg/L	0.0003	0.208	mg/L	0.0003	0.13%
Ba 234	407394.8	0.652	mg/L	0.0182	0.652	mg/L	0.0182	2.80%

Fe 260	5080161.5	63.4 mg/L	0.05	63.4 mg/L	0.05	0.08%
Cr 268	23020.9	0.0514 mg/L	0.00009	0.0514 mg/L	0.00009	0.17%
Mg 279	51960.4	7.52 mg/L	0.005	7.52 mg/L	0.005	0.06%
Al 308	826425.0	43.0 mg/L	0.17	43.0 mg/L	0.17	0.41%
Ca 318	502870.1	8.75 mg/L	0.033	8.75 mg/L	0.033	0.38%
Ag 328	-1535.4	-0.0017 mg/L	0.00015	-0.0017 mg/L	0.00015	8.90%

Sequence No.: 26
Sample ID: G161-2182-8B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/12/2005 01:28:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-8B

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: G161-2182-8B

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	8759.0	1.02	mg/L	0.003	1.02	mg/L	0.003	0.32%
Se 196	612.7	0.157	mg/L	0.0036	0.157	mg/L	0.0036	2.32%
Cd 214	36619.2	0.0785	mg/L	0.00140	0.0785	mg/L	0.00140	1.79%
Pb 220	310186.5	10.5	mg/L	0.04	10.5	mg/L	0.04	0.39%
Ba 234	2806829.7	4.49	mg/L	0.065	4.49	mg/L	0.065	1.45%
Fe 260	12762552.6	159	mg/L	0.4	159	mg/L	0.4	0.27%
Cr 268	107100.8	0.239	mg/L	0.0006	0.239	mg/L	0.0006	0.23%
Mg 279	109134.1	15.8	mg/L	0.12	15.8	mg/L	0.12	0.75%
Al 308	1812779.4	94.2	mg/L	0.25	94.2	mg/L	0.25	0.27%
Ca 318	7386869.3	129	mg/L	1.8	129	mg/L	1.8	1.37%
Ag 328	30945.1	0.0351	mg/L	0.00005	0.0351	mg/L	0.00005	0.15%

Sequence No.: 27
Sample ID: G161-2182-10B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 10/12/2005 01:32:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-10B

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2182-10B

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
As 189	790.2	0.0979	mg/L	0.00139	0.0979	mg/L	0.00139	1.42%
Se 196	-178.7	0.0325	mg/L	0.00004	0.0325	mg/L	0.00004	0.11%
Cd 214	5631.1	0.0089	mg/L	0.00019	0.0089	mg/L	0.00019	2.11%
Pb 220	41583.5	1.40	mg/L	0.001	1.40	mg/L	0.001	0.06%
Ba 234	990950.4	1.59	mg/L	0.000	1.59	mg/L	0.000	0.01%
Fe 260	6718981.9	83.8	mg/L	0.43	83.8	mg/L	0.43	0.51%
Cr 268	49977.8	0.112	mg/L	0.0003	0.112	mg/L	0.0003	0.27%
Mg 279	77850.1	11.3	mg/L	0.05	11.3	mg/L	0.05	0.49%
Al 308	1054781.8	54.8	mg/L	0.11	54.8	mg/L	0.11	0.19%
Ca 318	3668030.0	63.8	mg/L	0.15	63.8	mg/L	0.15	0.24%
Ag 328	-860.8	-0.0010	mg/L	0.00015	-0.0010	mg/L	0.00015	15.88%

Sequence No.: 28
Sample ID: G161-2182-12F
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 10/12/2005 01:37:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G161-2182-12F

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G161-2182-12F

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-46.1	0.0108	mg/L	0.00322	0.0108	mg/L	0.00322	29.78%
Se 196	-753.5	0.0222	mg/L	0.00107	0.0222	mg/L	0.00107	4.82%
Cd 214	4476.8	0.0020	mg/L	0.00092	0.0020	mg/L	0.00092	46.13%
Pb 220	2439.6	0.0678	mg/L	0.00173	0.0678	mg/L	0.00173	2.56%
Ba 234	683758.8	1.09	mg/L	0.022	1.09	mg/L	0.022	2.01%
Fe 260	13061427.6	163	mg/L	0.5	163	mg/L	0.5	0.29%
Cr 268	92106.5	0.206	mg/L	0.0003	0.206	mg/L	0.0003	0.14%
Mg 279	376022.7	54.4	mg/L	0.10	54.4	mg/L	0.10	0.19%
Al 308	2095055.1	109	mg/L	0.0	109	mg/L	0.0	0.03%
Ca 318	5121675.4	89.1	mg/L	0.48	89.1	mg/L	0.48	0.54%
Ag 328	-4116.4	-0.0047	mg/L	0.00013	-0.0047	mg/L	0.00013	2.75%

Sequence No.: 29
Sample ID: G639-8-1H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 10/12/2005 01:41:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G639-8-1H

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G639-8-1H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	87.2	0.0155	mg/L	0.00495	0.0155	mg/L	0.00495	31.91%
Se 196	-137.4	0.0173	mg/L	0.00387	0.0173	mg/L	0.00387	22.38%
Cd 214	1581.5	0.0010	mg/L	0.00004	0.0010	mg/L	0.00004	4.14%
Pb 220	1499.7	0.0460	mg/L	0.00054	0.0460	mg/L	0.00054	1.17%
Ba 234	43416.2	0.0695	mg/L	0.00065	0.0695	mg/L	0.00065	0.93%
Fe 260	4141685.5	51.7	mg/L	0.13	51.7	mg/L	0.13	0.26%
Cr 268	33904.3	0.0757	mg/L	0.00030	0.0757	mg/L	0.00030	0.39%
Mg 279	16910.9	2.45	mg/L	0.009	2.45	mg/L	0.009	0.36%
Al 308	1418044.2	73.7	mg/L	0.32	73.7	mg/L	0.32	0.44%
Ca 318	76476.6	1.33	mg/L	0.016	1.33	mg/L	0.016	1.23%
Ag 328	-1259.0	-0.0014	mg/L	0.00034	-0.0014	mg/L	0.00034	23.57%

Sequence No.: 30
Sample ID: G639-8-2H
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 10/12/2005 01:45:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G639-8-2H

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G639-8-2H

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	121.2	0.0182	mg/L	0.00163	0.0182	mg/L	0.00163	8.93%
Se 196	-40.5	0.0198	mg/L	0.00148	0.0198	mg/L	0.00148	7.47%
Cd 214	1352.9	0.0011	mg/L	0.00054	0.0011	mg/L	0.00054	48.25%
Pb 220	1238.5	0.0383	mg/L	0.00152	0.0383	mg/L	0.00152	3.97%
Ba 234	44131.7	0.0706	mg/L	0.00008	0.0706	mg/L	0.00008	0.12%

Fe 260	3169389.8	39.5 mg/L	0.17	39.5 mg/L	0.17	0.42%
Cr 268	33323.5	0.0744 mg/L	0.00030	0.0744 mg/L	0.00030	0.40%
Mg 279	16894.8	2.45 mg/L	0.008	2.45 mg/L	0.008	0.33%
Al 308	1056943.0	54.9 mg/L	0.33	54.9 mg/L	0.33	0.60%
Ca 318	66834.5	1.16 mg/L	0.021	1.16 mg/L	0.021	1.77%
Ag 328	-1032.7	-0.0012 mg/L	0.00028	-0.0012 mg/L	0.00028	24.26%

Sequence No.: 31
Sample ID: G639-8-3J
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 10/12/2005 01:49:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G639-8-3J

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G639-8-3J

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	108.9	0.0175	mg/L	0.00129	0.0175	mg/L	0.00129	7.36%
Se 196	-86.2	0.0199	mg/L	0.00394	0.0199	mg/L	0.00394	19.79%
Cd 214	1494.2	0.0010	mg/L	0.00047	0.0010	mg/L	0.00047	45.70%
Pb 220	1515.6	0.0470	mg/L	0.00210	0.0470	mg/L	0.00210	4.47%
Ba 234	32840.7	0.0525	mg/L	0.00044	0.0525	mg/L	0.00044	0.83%
Fe 260	3805866.9	47.5	mg/L	0.05	47.5	mg/L	0.05	0.11%
Cr 268	26576.6	0.0593	mg/L	0.00027	0.0593	mg/L	0.00027	0.45%
Mg 279	12400.7	1.79	mg/L	0.002	1.79	mg/L	0.002	0.11%
Al 308	960756.3	49.9	mg/L	0.26	49.9	mg/L	0.26	0.52%
Ca 318	52384.6	0.912	mg/L	0.0025	0.912	mg/L	0.0025	0.28%
Ag 328	-984.9	-0.0011	mg/L	0.00015	-0.0011	mg/L	0.00015	13.88%

Sequence No.: 32
Sample ID: ccv3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 01:53:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv3

Analyte	Back Pressure	Flow
All	140.0 kPa	0.80 L/min

Mean Data: ccv3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4477.8	0.515	mg/L	0.0002	0.515	mg/L	0.0002	0.04%
Se 196	4973.3	0.496	mg/L	0.0010	0.496	mg/L	0.0010	0.20%
Cd 214	203650.7	0.483	mg/L	0.0032	0.483	mg/L	0.0032	0.67%
Pb 220	14720.1	0.497	mg/L	0.0023	0.497	mg/L	0.0023	0.46%
Ba 234	1547446.8	2.48	mg/L	0.009	2.48	mg/L	0.009	0.35%
Fe 260	197930.4	2.47	mg/L	0.027	2.47	mg/L	0.027	1.08%
Cr 268	220533.4	0.492	mg/L	0.0024	0.492	mg/L	0.0024	0.48%
Mg 279	17498.1	2.53	mg/L	0.019	2.53	mg/L	0.019	0.75%
Al 308	48833.7	2.54	mg/L	0.016	2.54	mg/L	0.016	0.62%
Ca 318	142904.1	2.49	mg/L	0.008	2.49	mg/L	0.008	0.34%
Ag 328	444546.1	0.504	mg/L	0.0009	0.504	mg/L	0.0009	0.18%

Sequence No.: 33
Sample ID: ccb3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 01:58:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb3

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccb3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	17.6	0.0020	mg/L	0.00060	0.0020	mg/L	0.00060	29.83%
Se 196	46.2	0.0047	mg/L	0.00062	0.0047	mg/L	0.00062	13.42%
Cd 214	66.2	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	141.42%
Pb 220	-18.4	-0.0006	mg/L	0.00261	-0.0006	mg/L	0.00261	420.76%
Ba 234	276.8	0.0004	mg/L	0.00106	0.0004	mg/L	0.00106	239.74%
Fe 260	-376.3	-0.0047	mg/L	0.00664	-0.0047	mg/L	0.00664	141.42%
Cr 268	342.7	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	38.72%
Mg 279	16.4	0.0024	mg/L	0.00203	0.0024	mg/L	0.00203	85.83%
Al 308	77.9	0.0040	mg/L	0.01423	0.0040	mg/L	0.01423	351.54%
Ca 318	-152.0	-0.0026	mg/L	0.00231	-0.0026	mg/L	0.00231	87.32%
Ag 328	178.4	0.0002	mg/L	0.00016	0.0002	mg/L	0.00016	76.75%

Sequence No.: 34
Sample ID: G639-8-3K dup
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 10/12/2005 02:02:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: G639-8-3K dup

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: G639-8-3K dup

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	113.4	0.0178	mg/L	0.00233	0.0178	mg/L	0.00233	13.13%
Se 196	-62.6	0.0209	mg/L	0.00225	0.0209	mg/L	0.00225	10.78%
Cd 214	1385.2	0.0009	mg/L	0.00010	0.0009	mg/L	0.00010	11.35%
Pb 220	1541.8	0.0481	mg/L	0.00183	0.0481	mg/L	0.00183	3.81%
Ba 234	30726.7	0.0492	mg/L	0.00032	0.0492	mg/L	0.00032	0.66%
Fe 260	3612568.4	45.1	mg/L	0.22	45.1	mg/L	0.22	0.50%
Cr 268	26047.3	0.0582	mg/L	0.00141	0.0582	mg/L	0.00141	2.42%
Mg 279	11373.7	1.65	mg/L	0.002	1.65	mg/L	0.002	0.13%
Al 308	877299.9	45.6	mg/L	0.26	45.6	mg/L	0.26	0.57%
Ca 318	53034.1	0.923	mg/L	0.0042	0.923	mg/L	0.0042	0.46%
Ag 328	-903.4	-0.0010	mg/L	0.00029	-0.0010	mg/L	0.00029	27.91%

Sequence No.: 35
Sample ID: icsA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/12/2005 02:06:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsA2

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icsA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	-55.7	0.0035	mg/L	0.00137	0.0035	mg/L	0.00137	39.45%
Se 196	-515.9	0.0088	mg/L	0.00187	0.0088	mg/L	0.00187	21.33%
Cd 214	1832.2	-0.0010	mg/L	0.00053	-0.0010	mg/L	0.00053	53.24%
Pb 220	158.4	-0.0037	mg/L	0.00171	-0.0037	mg/L	0.00171	46.03%
Ba 234	-696.9	-0.0011	mg/L	0.00039	-0.0011	mg/L	0.00039	35.31%

Fe 260	8086762.0	101	mg/L	0.2	101	mg/L	0.2	0.15%
Cr 268	205.2	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	23.21%
Mg 279	278865.6	40.4	mg/L	0.10	40.4	mg/L	0.10	0.25%
Al 308	1988321.1	103	mg/L	0.6	103	mg/L	0.6	0.61%
Ca 318	2298339.1	40.0	mg/L	0.02	40.0	mg/L	0.02	0.05%
Ag 328	-2265.7	-0.0026	mg/L	0.00023	-0.0026	mg/L	0.00023	8.97%

Sequence No.: 36
Sample ID: icsB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/12/2005 02:10:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: icsB2

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: icsB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	2584.1	0.307	mg/L	0.0025	0.307	mg/L	0.0025	0.81%
Se 196	2353.1	0.292	mg/L	0.0020	0.292	mg/L	0.0020	0.67%
Cd 214	117172.6	0.273	mg/L	0.0000	0.273	mg/L	0.0000	0.02%
Pb 220	8823.1	0.289	mg/L	0.0014	0.289	mg/L	0.0014	0.47%
Ba 234	594565.2	0.951	mg/L	0.0008	0.951	mg/L	0.0008	0.09%
Fe 260	7848008.7	97.9	mg/L	0.81	97.9	mg/L	0.81	0.83%
Cr 268	126956.5	0.283	mg/L	0.0003	0.283	mg/L	0.0003	0.10%
Mg 279	272281.1	39.4	mg/L	0.49	39.4	mg/L	0.49	1.25%
Al 308	1961998.3	102	mg/L	0.4	102	mg/L	0.4	0.41%
Ca 318	2250478.3	39.2	mg/L	0.78	39.2	mg/L	0.78	1.99%
Ag 328	254811.2	0.289	mg/L	0.0011	0.289	mg/L	0.0011	0.39%

Sequence No.: 37
Sample ID: ccv4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2005 02:14:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccv4

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccv4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	4377.0	0.504	mg/L	0.0028	0.504	mg/L	0.0028	0.55%
Se 196	4860.8	0.485	mg/L	0.0026	0.485	mg/L	0.0026	0.54%
Cd 214	199501.4	0.473	mg/L	0.0029	0.473	mg/L	0.0029	0.61%
Pb 220	14417.3	0.487	mg/L	0.0007	0.487	mg/L	0.0007	0.14%
Ba 234	1520137.3	2.43	mg/L	0.015	2.43	mg/L	0.015	0.62%
Fe 260	199060.4	2.48	mg/L	0.003	2.48	mg/L	0.003	0.10%
Cr 268	215232.6	0.481	mg/L	0.0021	0.481	mg/L	0.0021	0.43%
Mg 279	17037.5	2.47	mg/L	0.017	2.47	mg/L	0.017	0.69%
Al 308	46910.4	2.44	mg/L	0.000	2.44	mg/L	0.000	0.02%
Ca 318	139859.2	2.43	mg/L	0.003	2.43	mg/L	0.003	0.11%
Ag 328	433170.7	0.491	mg/L	0.0011	0.491	mg/L	0.0011	0.23%

Sequence No.: 38
Sample ID: ccb4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/12/2005 02:18:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ccb4

Analyte	Back Pressure	Flow
All	141.0 kPa	0.80 L/min

Mean Data: ccb4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
As 189	12.3	0.0014	mg/L	0.00331	0.0014	mg/L	0.00331	234.01%
Se 196	56.7	0.0057	mg/L	0.00214	0.0057	mg/L	0.00214	37.45%
Cd 214	-236.3	-0.0006	mg/L	0.00047	-0.0006	mg/L	0.00047	83.69%
Pb 220	-11.5	-0.0004	mg/L	0.00258	-0.0004	mg/L	0.00258	662.45%
Ba 234	625.7	0.0010	mg/L	0.00044	0.0010	mg/L	0.00044	43.49%
Fe 260	-801.0	-0.0100	mg/L	0.01242	-0.0100	mg/L	0.01242	124.33%
Cr 268	530.3	0.0012	mg/L	0.00030	0.0012	mg/L	0.00030	25.02%
Mg 279	26.5	0.0038	mg/L	0.00276	0.0038	mg/L	0.00276	71.73%
Al 308	-212.6	-0.0110	mg/L	0.02135	-0.0110	mg/L	0.02135	193.25%
Ca 318	78.0	0.0014	mg/L	0.00917	0.0014	mg/L	0.00917	676.13%
Ag 328	336.9	0.0004	mg/L	0.00005	0.0004	mg/L	0.00005	13.45%

Autosampler Loading List

Sample Information File: 101105A.SIF
Methods: Hg-NaBH4

Location	Elements	Solution
0	Hg	Wash Solution
1	Hg	Calib Blank
2	Hg	Std 1: 0.200 µg/L
3	Hg	Std 2: 0.500 µg/L
4	Hg	Std 3: 1.000 µg/L
5	Hg	Std 4: 5.000 µg/L
6	Hg	Std 5: 10.00 µg/L
7	Hg	QC Sample 1: 10.0000 µg/L
9	Hg	Sample: ccv1
10	Hg	Sample: ccb1
11	Hg	Sample: pb3801
12	Hg	Sample: lcs3801
13	Hg	Sample: lcd3801
14	Hg	Sample: G161-2181-1I
15	Hg	Sample: G161-2181-1J ms
16	Hg	Sample: G161-2181-1K msd
17	Hg	Sample: G161-2182-13O
18	Hg	Sample: G161-2182-14M
19	Hg	Sample: G161-2182-15O
20	Hg	Sample: G161-2183-5I
21	Hg	Sample: ccv2
22	Hg	Sample: ccb2
23	Hg	Sample: G537-179-3C
24	Hg	Sample: G111-783-4D
25	Hg	Sample: blk100705a
26	Hg	Sample: G175-514-1F
27	Hg	Sample: G175-514-2F
28	Hg	Sample: G175-514-3F
29	Hg	Sample: G175-514-4H
30	Hg	Sample: G175-514-5H
31	Hg	Sample: G175-514-6H
32	Hg	Sample: G175-514-7H
33	Hg	Sample: ccv3
34	Hg	Sample: ccb3
35	Hg	Sample: G175-514-8F
36	Hg	Sample: G175-514-9H
37	Hg	Sample: G175-514-10J
38	Hg	Sample: G175-514-11H
39	Hg	Sample: G175-514-11I dup
40	Hg	Sample: G132-1443-1D
41	Hg	Sample: ccv4
42	Hg	Sample: ccb4

N.C. Certification #481 S.C. Certification #99029

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 10/11/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 101105A.SIF Results Data Set Name: 101105a

Element: Hg Seq. No.: 1 AS Loc.: --- Date: 10/11/2005
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.093	-0.093	-0.0114	0.0047	02:57:35	Yes
Mean:	-0.093	-0.093	-0.0114			
SD :						
%RSD:						

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 10/11/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 101105A.SIF Results Data Set Name: 101105a

Element: Hg Seq. No.: 2 AS Loc.: 1 Date: 10/11/2005
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0475	0.0073	02:59:16	Yes
2			0.0486	0.0069	02:59:52	No
Mean:			0.0481			
SD :			0.0008			
%RSD:			1.6309			

Auto-zero performed.

Element: Hg Seq. No.: 3 AS Loc.: 2 Date: 10/11/2005
Sample ID: Std 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0270	0.0109	03:01:22	Yes
2			0.0224	0.0107	03:01:57	No
Mean:			0.0247			
SD :			0.0032			
%RSD:			13.0214			

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.12359
Intercept : 0.00000

Element: Hg Seq. No.: 4 AS Loc.: 3 Date: 10/11/2005
Sample ID: Std 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0568	0.0154	03:03:30	Yes
2			0.0581	0.0157	03:04:05	No
Mean:			0.0575			
SD :			0.0009			
%RSD:			1.5258			

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.99941 Slope: 0.11447
Intercept : 0.00068

==========

Element: Hg Seq. No.: 5 AS Loc.: 4 Date: 10/11/2005
Sample ID: Std 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.1244	0.0254	03:05:38	Yes
2			0.1230	0.0256	03:06:13	No
Mean:			0.1237			
SD :			0.0010			
%RSD:			0.7766			

[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99918 Slope: 0.12311
Intercept : -0.00086

==========

Element: Hg Seq. No.: 6 AS Loc.: 5 Date: 10/11/2005
Sample ID: Std 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.6066	0.0944	03:07:46	Yes
2			0.5939	0.0937	03:08:21	No
Mean:			0.6002			
SD :			0.0090			
%RSD:			1.4969			

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99996 Slope: 0.12005
Intercept : 0.00035

==========

Element: Hg Seq. No.: 7 AS Loc.: 6 Date: 10/11/2005
Sample ID: Std 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			1.1946	0.1772	03:09:56	Yes
2			1.1748	0.1774	03:10:31	No
Mean:			1.1847			
SD :			0.0140			
%RSD:			1.1852			

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99997 Slope: 0.11859
Intercept : 0.00172

Calibration data for Hg

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0481	---	----	----	----
Std 1	0.0247	0.200	0.194	0.0032	13.0
Std 2	0.0575	0.500	0.470	0.0009	1.5
Std 3	0.1237	1.000	1.028	0.0010	0.8
Std 4	0.6002	5.000	5.047	0.0090	1.5
Std 5	1.1847	10.000	9.975	0.0140	1.2

Correlation Coefficient: 0.99997 Slope: 0.11859 Intercept: 0.0017

Element: Hg Seq. No.: 8 AS Loc.: 7 Date: 10/11/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	9.777	9.777	1.1612	0.1749	03:12:06	Yes
2	9.665	9.665	1.1480	0.1735	03:12:41	No
Mean:	9.721	9.721	1.1546			
SD :	0.0787	0.0787	0.0093			
%RSD:	0.8	0.8	0.8085			

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 9 Date: 10/11/2005
Sample ID: ccv1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.069	5.069	0.6029	0.0950	03:14:14	Yes
2	4.960	4.960	0.5899	0.0947	03:14:49	No
Mean:	5.014	5.014	0.5964			
SD :	0.0774	0.0774	0.0092			
%RSD:	1.5	1.5	1.5391			

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 10/11/2005
Sample ID: ccb1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0038	0.0074	03:16:18	Yes
2	-0.040	-0.040	-0.0030	0.0074	03:16:53	No
Mean:	-0.043	-0.043	-0.0034			
SD :	0.0045	0.0045	0.0005			
%RSD:	10.3	10.3	15.5043			

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 10/11/2005
Sample ID: pb3801

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.012	-0.012	0.0004	0.0075	03:18:24	Yes
2	-0.095	-0.095	-0.0096	0.0071	03:18:59	No
Mean:	-0.053	-0.053	-0.0046			
SD :	0.0591	0.0591	0.0070			
%RSD:	110.8	110.8	152.2340			

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 10/11/2005

Sample ID: lcs3801

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.197	5.197	0.6181	0.0965	03:20:31	Yes
2	5.159	5.159	0.6135	0.0951	03:21:06	No
Mean:	5.178	5.178	0.6158			
SD :	0.0272	0.0272	0.0032			
%RSD:	0.5	0.5	0.5242			

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 10/11/2005
Sample ID: lcd3801

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.019	5.019	0.5969	0.0940	03:22:37	Yes
2	5.160	5.160	0.6137	0.0963	03:23:13	No
Mean:	5.090	5.090	0.6053			
SD :	0.0997	0.0997	0.0118			
%RSD:	2.0	2.0	1.9543			

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 10/11/2005
Sample ID: G161-2181-1I

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.021	-0.021	-0.0008	0.0088	03:24:45	Yes
2	0.034	0.034	0.0058	0.0084	03:25:21	No
Mean:	0.007	0.007	0.0025			
SD :	0.0391	0.0391	0.0046			
%RSD:	592.0	592.0	184.9696			

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 10/11/2005
Sample ID: G161-2181-1J ms

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.018	5.018	0.5969	0.0910	03:26:54	Yes
2	4.887	4.887	0.5812	0.0909	03:27:30	No
Mean:	4.953	4.953	0.5891			
SD :	0.0931	0.0931	0.0110			
%RSD:	1.9	1.9	1.8750			

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 10/11/2005
Sample ID: G161-2181-1K msd

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.955	4.955	0.5893	0.0905	03:29:05	Yes
2	4.858	4.858	0.5779	0.0903	03:29:40	No
Mean:	4.907	4.907	0.5836			
SD :	0.0683	0.0683	0.0081			
%RSD:	1.4	1.4	1.3888			

Element: Hg Seq. No.: 17 AS Loc.: 17 Date: 10/11/2005
Sample ID: G161-2182-13O

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.021	-0.021	-0.0007	0.0085	03:31:12	Yes
2	-0.016	-0.016	-0.0002	0.0084	03:31:47	No

Mean:	-0.018	-0.018	-0.0005
SD :	0.0035	0.0035	0.0004
%RSD:	18.9	18.9	90.2632

Element: Hg Seq. No.: 18 AS Loc.: 18 Date: 10/11/2005
Sample ID: G161-2182-14M

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.027	-0.027	-0.0015	0.0077	03:33:16	Yes
2	-0.053	-0.053	-0.0045	0.0067	03:33:52	No
Mean:	-0.040	-0.040	-0.0030			
SD :	0.0180	0.0180	0.0021			
%RSD:	45.1	45.1	70.7860			

Element: Hg Seq. No.: 19 AS Loc.: 19 Date: 10/11/2005
Sample ID: G161-2182-15O

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.093	-0.093	-0.0093	0.0069	03:35:21	Yes
2	0.000	0.000	0.0017	0.0081	03:35:56	No
Mean:	-0.047	-0.047	-0.0038			
SD :	0.0655	0.0655	0.0078			
%RSD:	140.4	140.4	203 9663			

Element: Hg Seq. No.: 20 AS Loc.: 20 Date: 10/11/2005
Sample ID: G161-2183-5I

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.040	-0.040	-0.0031	0.0077	03:37:25	Yes
2	-0.087	-0.087	-0.0087	0.0076	03:38:01	No
Mean:	-0.064	-0.064	-0.0059			
SD :	0.0333	0.0333	0.0039			
%RSD:	52.1	52.1	67.3849			

Element: Hg Seq. No.: 21 AS Loc.: 21 Date: 10/11/2005
Sample ID: ccv2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.119	5.119	0.6088	0.0954	03:39:29	Yes
2	5.055	5.055	0.6012	0.0949	03:40:05	No
Mean:	5.087	5.087	0.6050			
SD :	0.0455	0.0455	0.0054			
%RSD:	0.9	0.9	0.8915			

Element: Hg Seq. No.: 22 AS Loc.: 22 Date: 10/11/2005
Sample ID: ccb2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.028	-0.028	-0.0016	0.0078	03:41:35	Yes
2	-0.036	-0.036	-0.0026	0.0074	03:42:10	No
Mean:	-0.032	-0.032	-0.0021			
SD :	0.0060	0.0060	0 0007			
%RSD:	18.8	18.8	34 5369			

Element: Hg Seq. No.: 23 AS Loc.: 23 Date: 10/11/2005

Sample ID: G537-179-3C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.007	0.007	0.0026	0.0079	03:43:42	Yes
2	-0.020	-0.020	-0.0006	0.0079	03:44:17	No
Mean:	-0.006	-0.006	0.0010			
SD :	0.0189	0.0189	0.0022			
%RSD:	304.3	304.3	227.4976			

Element: Hg Seq. No.: 24 AS Loc.: 24 Date: 10/11/2005
Sample ID: G111-783-4D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.010	-0.010	0.0005	0.0077	03:45:48	Yes
2	0.011	0.011	0.0030	0.0074	03:46:23	No
Mean:	0.000	0.000	0.0017			
SD :	0.0151	0.0151	0.0018			
%RSD:	6662	6662	102.6818			

Element: Hg Seq. No.: 25 AS Loc.: 25 Date: 10/11/2005
Sample ID: blk100705a

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.026	-0.026	-0.0013	0.0072	03:47:55	Yes
2	-0.007	-0.007	0.0010	0.0073	03:48:30	No
Mean:	-0.016	-0.016	-0.0002			
SD :	0.0135	0.0135	0.0016			
%RSD:	84.0	84.0	895.1449			

Element: Hg Seq. No.: 26 AS Loc.: 26 Date: 10/11/2005
Sample ID: G175-514-1F

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.052	-0.052	-0.0045	0.0065	03:50:02	Yes
2	-0.075	-0.075	-0.0072	0.0064	03:50:37	No
Mean:	-0.064	-0.064	-0.0058			
SD :	0.0160	0.0160	0.0019			
%RSD:	25.2	25.2	32.6588			

Element: Hg Seq. No.: 27 AS Loc.: 27 Date: 10/11/2005
Sample ID: G175-514-2F

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.102	-0.102	-0.0104	0.0056	03:52:10	Yes
2	-0.124	-0.124	-0.0130	0.0054	03:52:45	No
Mean:	-0.113	-0.113	-0.0117			
SD :	0.0152	0.0152	0.0018			
%RSD:	13.5	13.5	15.4420			

Element: Hg Seq. No.: 28 AS Loc.: 28 Date: 10/11/2005
Sample ID: G175-514-3F

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.063	-0.063	-0.0057	0.0066	03:54:18	Yes
2	-0.074	-0.074	-0.0071	0.0070	03:54:53	No

Mean:	-0.068	-0.068	-0.0064
SD :	0.0081	0.0081	0.0010
%RSD:	11.8	11.8	14.9496

Element: Hg Seq. No.: 29 AS Loc.: 29 Date: 10/11/2005
Sample ID: G175-514-4H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.036	-0.036	-0.0026	0.0070	03:56:27	Yes
2	-0.005	-0.005	0.0012	0.0075	03:57:02	No
Mean:	-0.020	-0.020	-0.0007			
SD :	0.0223	0.0223	0.0026			
%RSD:	109.1	109.1	376.1744			

Element: Hg Seq. No.: 30 AS Loc.: 30 Date: 10/11/2005
Sample ID: G175-514-5H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.046	0.046	0.0072	0.0079	03:58:36	Yes
2	0.018	0.018	0.0039	0.0074	03:59:11	No
Mean:	0.032	0.032	0.0055			
SD :	0.0197	0.0197	0.0023			
%RSD:	61.4	61.4	42.2594			

Element: Hg Seq. No.: 31 AS Loc.: 31 Date: 10/11/2005
Sample ID: G175-514-6H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.107	0.107	0.0144	0.0085	04:00:46	Yes
2	0.107	0.107	0.0144	0.0089	04:01:21	No
Mean:	0.107	0.107	0.0144			
SD :	0.0001	0.0001	0.0000			
%RSD:						

Element: Hg Seq. No.: 32 AS Loc.: 32 Date: 10/11/2005
Sample ID: G175-514-7H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.120	0.120	0.0160	0.0089	04:02:52	Yes
2	0.055	0.055	0.0083	0.0088	04:03:27	No
Mean:	0.088	0.088	0.0121			
SD :	0.0458	0.0458	0.0054			
%RSD:	52.3	52.3	44.8258			

Element: Hg Seq. No.: 33 AS Loc.: 33 Date: 10/11/2005
Sample ID: ccv3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.251	5.251	0.6244	0.0958	04:04:54	Yes
2	5.137	5.137	0.6110	0.0948	04:05:29	No
Mean:	5.194	5.194	0.6177			
SD :	0.0802	0.0802	0.0095			
%RSD:	1.5	1.5	1.5392			

Element: Hg Seq. No.: 34 AS Loc.: 34 Date: 10/11/2005

Sample ID: ccb3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.042	-0.042	-0.0032	0.0065	04:06:56	Yes
2	-0.072	-0.072	-0.0068	0.0067	04:07:31	No
Mean:	-0.057	-0.057	-0.0050			
SD :	0.0213	0.0213	0.0025			
%RSD:	37.4	37.4	50.1344			

Element: Hg Seq. No.: 35 AS Loc.: 35 Date: 10/11/2005
Sample ID: G175-514-8F

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.061	-0.061	-0.0055	0.0065	04:09:01	Yes
2	-0.037	-0.037	-0.0027	0.0070	04:09:36	No
Mean:	-0.049	-0.049	-0.0041			
SD :	0.0168	0.0168	0.0020			
%RSD:	34.2	34.2	48.4112			

Element: Hg Seq. No.: 36 AS Loc.: 36 Date: 10/11/2005
Sample ID: G175-514-9H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.270	-0.270	-0.0303	0.0026	04:11:05	Yes
2	-0.261	-0.261	-0.0292	0.0028	04:11:40	No
Mean:	-0.266	-0.266	-0.0298			
SD :	0.0066	0.0066	0.0008			
%RSD:	2.5	2.5	2.6346			

Element: Hg Seq. No.: 37 AS Loc.: 37 Date: 10/11/2005
Sample ID: G175-514-10J

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.020	0.020	0.0041	0.0078	04:13:09	Yes
2	0.015	0.015	0.0034	0.0078	04:13:45	No
Mean:	0.017	0.017	0.0038			
SD :	0.0036	0.0036	0.0004			
%RSD:	21.2	21.2	11.4548			

Element: Hg Seq. No.: 38 AS Loc.: 38 Date: 10/11/2005
Sample ID: G175-514-11H

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.100	-0.100	-0.0102	0.0058	04:15:14	Yes
2	-0.091	-0.091	-0.0090	0.0059	04:15:49	No
Mean:	-0.095	-0.095	-0.0096			
SD :	0.0067	0.0067	0.0008			
%RSD:	7.0	7.0	8.3083			

Element: Hg Seq. No.: 39 AS Loc.: 39 Date: 10/11/2005
Sample ID: G175-514-11I dup

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.059	-0.059	-0.0053	0.0065	04:17:21	Yes
2	-0.081	-0.081	-0.0078	0.0064	04:17:56	No

Mean:	-0.070	-0.070	-0.0066
SD :	0.0152	0.0152	0.0018
%RSD:	21.7	21.7	27.4026

==========

Element: Hg Seq. No.: 40 AS Loc.: 40 Date: 10/11/2005
Sample ID: G132-1443-1D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.041	0.041	0.0066	0.0079	04:19:27	Yes
2	0.009	0.009	0.0028	0.0079	04:20:02	No
Mean:	0.025	0.025	0.0047			
SD :	0.0228	0.0228	0.0027			
%RSD:	91.6	91.6	57.8629			

==========

Element: Hg Seq. No.: 41 AS Loc.: 41 Date: 10/11/2005
Sample ID: ccv4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.201	5.201	0.6185	0.0954	04:21:34	Yes
2	5.178	5.178	0.6158	0.0959	04:22:09	No
Mean:	5.190	5.190	0.6171			
SD :	0.0159	0 0159	0.0019			
%RSD:	0.3	0.3	0.3054			

==========

Element: Hg Seq. No.: 42 AS Loc.: 42 Date: 10/11/2005
Sample ID: ccb4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.050	-0.050	-0.0042	0.0071	04:23:40	Yes
2	-0.029	-0.029	-0.0017	0.0071	04:24:16	No
Mean:	-0.039	-0.039	-0.0030			
SD :	0.0147	0.0147	0.0017			
%RSD:	37.3	37.3	58.9889			

==========

Element: Hg Seq. No.: 43 AS Loc.: 7 Date: 10/11/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	9.823	9.823	1.1666	0.1719	04:25:50	Yes
2	9.892	9.892	1.1748	0.1743	04:26:25	No
Mean:	9.857	9.857	1.1707			
SD :	0.0486	0.0486	0.0058			
%RSD:	0.5	0.5	0.4927			

QC value within specified limits.

Autosampler Loading List

Sample Information File: 101205A.SIF
Methods: Hg-NaBH4

Location	Elements	Solution
0	Hg	Wash Solution
1	Hg	Calib Blank
2	Hg	Std 1: 0.200 µg/L
3	Hg	Std 2: 0.500 µg/L
4	Hg	Std 3: 1.000 µg/L
5	Hg	Std 4: 5.000 µg/L
6	Hg	Std 5: 10.00 µg/L
7	Hg	QC Sample 1: 10.0000 µg/L
9	Hg	Sample: ccv1
10	Hg	Sample: ccb1
11	Hg	Sample: pb3808
12	Hg	Sample: lcs3808
13	Hg	Sample: lcd3808
14	Hg	Sample: G161-2183-1G-1
15	Hg	Sample: G161-2183-1G-2
16	Hg	Sample: G161-2183-1G-3
17	Hg	Sample: G161-2183-1H ms
18	Hg	Sample: G161-2183-1I msd
19	Hg	Sample: ccv2
20	Hg	Sample: ccb2
21	Hg	Sample: G161-2183-2E-1
22	Hg	Sample: G161-2183-2E-2
23	Hg	Sample: G161-2183-2E-3
24	Hg	Sample: G161-2182-1E-1
25	Hg	Sample: G161-2182-1E-2
26	Hg	Sample: G161-2182-1E-3
27	Hg	Sample: G161-2182-3C-1
28	Hg	Sample: G161-2182-3C-2
29	Hg	Sample: G161-2182-3C-3
30	Hg	Sample: ccv3
31	Hg	Sample: ccb3
32	Hg	Sample: G161-2182-4C-1
33	Hg	Sample: G161-2182-4C-2
34	Hg	Sample: G161-2182-4C-3
35	Hg	Sample: G161-2182-5C-1
36	Hg	Sample: G161-2182-5C-2
37	Hg	Sample: G161-2182-5C-3
38	Hg	Sample: G161-2182-8C-1
39	Hg	Sample: G161-2182-8C-2
40	Hg	Sample: G161-2182-8C-3
41	Hg	Sample: ccv4
42	Hg	Sample: ccb4
43	Hg	Sample: G161-2182-10C-1
44	Hg	Sample: G161-2182-10C-2
45	Hg	Sample: G161-2182-10C-3
46	Hg	Sample: G161-2182-12G-1
47	Hg	Sample: G161-2182-12G-2
48	Hg	Sample: G161-2182-12G-3
49	Hg	Sample: G639-8-1I-1
50	Hg	Sample: G639-8-1I-2
51	Hg	Sample: G639-8-1I-3
52	Hg	Sample: ccv5
53	Hg	Sample: ccb5
54	Hg	Sample: G639-8-2I-1
55	Hg	Sample: G639-8-2I-2
56	Hg	Sample: G639-8-2I-3
57	Hg	Sample: G639-8-3L-1
58	Hg	Sample: G639-8-3L-2
59	Hg	Sample: G639-8-3L-3
60	Hg	Sample: ccv6

N.C. Certification #481 S.C. Certification #99029

61 Hg Sample: ccb6

Paradigm Analytical Laboratories
Information Management System

Home Login Prep Samples Reports Reference Audit

Hg Soil Recalculated for Runid = 3476

UpdatedProcedure Pass One - Looking for Global Failures ...

Checking ICV for failures...

Checking CCB1 for failures...

Checking ICSA1 for failures ...

Checking ICSB1 for failures ...

Checking CRDL for failures ...

Flagging additional CCV/CCB/CVS pairs ...

Flagging additional ICSA/ICSB pairs ...

QC Pass 2 ...
Error Guide: G - Global CCV/ICS - Batch SD - Needs Dilution SAT - Saturated
H - High L - Low IS - Internal Standard

G161-2182-3C - PASS
G161-2182-12G - PASS
G639-8-2I - PASS
G161-2183-2E - PASS
G161-2182-8C - PASS
G161-2182-4C - PASS
G161-2182-1E - PASS
G639-8-3L - PASS
G161-2182-10C - PASS
G639-8-1I - PASS
G161-2183-1G - PASS
G161-2182-5C - PASS
pb3808 - PASS
lcs3808 - PASS
lcd3808 - PASS

G161-2183-1G-1 - PASS
G161-2183-1G-2 - PASS
G161-2183-1G-3 - PASS
G161-2183-1H - PASS
G161-2183-1I - PASS
G161-2183-2E-1 - PASS
G161-2183-2E-2 - PASS
G161-2183-2E-3 - PASS
G161-2182-1E-1 - PASS
G161-2182-1E-2 - PASS
G161-2182-1E-3 - PASS
G161-2182-3C-1 - PASS
G161-2182-3C-2 - PASS
G161-2182-3C-3 - PASS
G161-2182-4C-1 - PASS
G161-2182-4C-2 - PASS
G161-2182-4C-3 - PASS
G161-2182-5C-1 - PASS
G161-2182-5C-2 - PASS
G161-2182-5C-3 - PASS
G161-2182-8C-1 - PASS
G161-2182-8C-2 - PASS
G161-2182-8C-3 - PASS
G161-2182-10C-1 - PASS
G161-2182-10C-2 - PASS
G161-2182-10C-3 - PASS
G161-2182-12G-1 - PASS
G161-2182-12G-2 - PASS
G161-2182-12G-3 - PASS
G639-8-1I-1 - PASS
G639-8-1I-2 - PASS
G639-8-1I-3 - PASS
G639-8-2I-1 - PASS
G639-8-2I-2 - PASS
G639-8-2I-3 - PASS
G639-8-3L-1 - PASS
G639-8-3L-2 - PASS
G639-8-3L-3 - PASS

Return to Upload

Return to PALims

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 10/12/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 101205A.SIF Results Data Set Name: 101205a

Element: Hg Seq. No.: 1 AS Loc.: --- Date: 10/12/2005
Sample ID: Sample

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.148	0.148	0.0179	0.0043	10:53:19	Yes
Mean:	0.148	0.148	0.0179			
SD :						
%RSD:						

Method Name: Hg-NaBH4
Method Description: Hg-SnSl2
Element: Hg

Date: 10/12/2005
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: 101205A.SIF Results Data Set Name: 101205a

Element: Hg Seq. No.: 2 AS Loc.: 1 Date: 10/12/2005
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0309	0.0049	10:55:01	Yes
2			0.0244	0.0043	10:55:36	No
Mean:			0.0276			
SD :			0.0046			
%RSD:			16.7845			

Auto-zero performed.

Element: Hg Seq. No.: 3 AS Loc.: 2 Date: 10/12/2005
Sample ID: Std 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0350	0.0095	10:57:06	Yes
2			0.0244	0.0082	10:57:41	No
Mean:			0.0297			
SD :			0.0075			
%RSD:			25.1644			

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.14846
Intercept : 0.00000

Element: Hg Seq. No.: 4 AS Loc.: 3 Date: 10/12/2005
Sample ID: Std 2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.0685	0.0147	10:59:11	Yes
2			0.0624	0.0141	10:59:46	No
Mean:			0.0654			
SD :			0.0043			
%RSD:			6.6355			

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.99810 Slope: 0.12993
Intercept : 0.00139

==========

Element: Hg Seq. No.: 5 AS Loc.: 4 Date: 10/12/2005
Sample ID: Std 3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.1339	0.0236	11:01:18	Yes
2			0.1307	0.0235	11:01:53	No
Mean:			0.1323			
SD :			0.0023			
%RSD:			1.7150			

[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99957 Slope: 0.13096
Intercept : 0.00121

==========

Element: Hg Seq. No.: 6 AS Loc.: 5 Date: 10/12/2005
Sample ID: Std 4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			0.6193	0.0941	11:03:25	Yes
2			0.6078	0.0931	11:04:00	No
Mean:			0.6136			
SD :			0.0082			
%RSD:			1.3289			

[Hg] Standard number 4 applied. [5.000]
Correlation Coefficient: 0.99989 Slope: 0.12199
Intercept : 0.00474

==========

Element: Hg Seq. No.: 7 AS Loc.: 6 Date: 10/12/2005
Sample ID: Std 5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1			1.1664	0.1807	11:05:34	Yes
2			1.1787	0.1766	11:06:10	No
Mean:			1.1725			
SD :			0.0087			
%RSD:			0.7449			

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99975 Slope: 0.11728
Intercept : 0.00917

Calibration data for Hg

Standard ID	Mean Signal (Pk Area)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0276	---	----	----	----
Std 1	0.0297	0.200	0.175	0.0075	25.2
Std 2	0.0654	0.500	0.480	0.0043	6.6
Std 3	0.1323	1.000	1.050	0.0023	1.7
Std 4	0.6136	5.000	5.154	0.0082	1.3
Std 5	1.1725	10.000	9.920	0.0087	0.7

Correlation Coefficient: 0.99975 Slope: 0.11728 Intercept: 0.0092

Element: Hg Seq. No.: 8 AS Loc.: 7 Date: 10/12/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	10.67	10.67	1.2607	0.1862	11:07:44	Yes
2	10.41	10.41	1.2300	0.1821	11:08:20	No
Mean:	10.54	10.54	1.2453			
SD :	0.1853	0.1853	0.0217			
%RSD:	1.8	1.8	1.7449			

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 9 Date: 10/12/2005
Sample ID: ccv1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.162	5.162	0.6146	0.0942	11:09:51	Yes
2	4.976	4.976	0.5927	0.0908	11:10:26	No
Mean:	5.069	5.069	0.6037			
SD :	0.1319	0.1319	0.0155			
%RSD:	2.6	2.6	2.5628			

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 10/12/2005
Sample ID: ccb1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.060	-0.060	0.0022	0.0045	11:11:56	Yes
2	-0.057	-0.057	0.0025	0.0045	11:12:32	No
Mean:	-0.059	-0.059	0.0023			
SD :	0.0018	0.0018	0.0002			
%RSD:	3.0	3.0	8.9437			

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 10/12/2005
Sample ID: pb3808

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.847	-0.847	-0.0902	- -0.0002	11:14:02	Yes
2	-0.057	-0.057	0.0024	0.0047	11:14:38	No
Mean:	-0.452	-0.452	-0.0439			
SD :	0.5586	0.5586	0.0655			
%RSD:	123.5	123.5	149.2970			

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 10/12/2005

Sample ID: lcs3808

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.001	5.001	0.5957	0.0911	11:16:09	Yes
2	4.925	4.925	0.5868	0.0903	11:16:44	No
Mean:	4.963	4.963	0.5913			
SD :	0.0537	0.0537	0.0063			
%RSD:	1.1	1.1	1.0654			

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 10/12/2005
Sample ID: lcd3808

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.161	5.161	0.6145	0.0914	11:18:18	Yes
2	4.996	4.996	0.5951	0.0906	11:18:53	No
Mean:	5.079	5.079	0.6048			
SD :	0.1171	0.1171	0.0137			
%RSD:	2.3	2.3	2.2711			

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 10/12/2005
Sample ID: G161-2183-1G-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	3.515	3.515	0.4214	0.0660	11:20:25	Yes
2	3.406	3.406	0.4086	0.0641	11:21:01	No
Mean:	3.461	3.461	0.4150			
SD :	0.0772	0.0772	0.0091			
%RSD:	2.2	2.2	2.1826			

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 10/12/2005
Sample ID: G161-2183-1G-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	2.111	2.111	0.2567	0.0415	11:22:34	Yes
2	2.073	2.073	0.2523	0.0406	11:23:09	No
Mean:	2.092	2.092	0.2545			
SD :	0.0263	0.0263	0.0031			
%RSD:	1.3	1.3	1.2099			

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 10/12/2005
Sample ID: G161-2183-1G-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	1.872	1.872	0.2287	0.0373	11:24:44	Yes
2	1.797	1.797	0.2199	0.0366	11:25:19	No
Mean:	1.834	1.834	0.2243			
SD :	0.0531	0.0531	0.0062			
%RSD:	2.9	2.9	2.7783			

Element: Hg Seq. No.: 17 AS Loc.: 17 Date: 10/12/2005
Sample ID: G161-2183-1H ms

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	7.117	7.117	0.8439	0.1262	11:26:50	Yes
2	6.878	6.878	0.8158	0.1215	11:27:25	No

Mean:	6.998	6.998	0.8299
SD :	0.1691	0.1691	0.0198
%RSD:	2.4	2.4	2.3898

Element: Hg Seq. No.: 18 AS Loc.: 18 Date: 10/12/2005
Sample ID: G161-2183-1I msd

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	7.179	7.179	0.8511	0.1268	11:28:53	Yes
2	6.968	6.968	0.8264	0.1242	11:29:29	No
Mean:	7.074	7.074	0.8388			
SD :	0.1491	0.1491	0.0175			
%RSD:	2.1	2.1	2.0844			

Element: Hg Seq. No.: 19 AS Loc.: 19 Date: 10/12/2005
Sample ID: ccv2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.128	5.128	0.6106	0.0935	11:30:58	Yes
2	4.945	4.945	0.5891	0.0900	11:31:33	No
Mean:	5.037	5.037	0.5998			
SD :	0.1293	0.1293	0.0152			
%RSD:	2.6	2.6	2.5276			

Element: Hg Seq. No.: 20 AS Loc.: 20 Date: 10/12/2005
Sample ID: ccb2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.088	-0.088	-0.0011	0.0045	11:33:01	Yes
2	-0.074	-0.074	0.0004	0.0046	11:33:37	No
Mean:	-0.081	-0.081	-0.0004			
SD :	0.0096	0.0096	0.0011			
%RSD:	11.9	11.9	322.0167			

Element: Hg Seq. No.: 21 AS Loc.: 21 Date: 10/12/2005
Sample ID: G161-2183-2E-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	2.250	2.250	0.2731	0.0437	11:35:06	Yes
2	2.240	2.240	0.2719	0.0439	11:35:42	No
Mean:	2.245	2.245	0.2725			
SD :	0.0072	0.0072	0.0008			
%RSD:	0.3	0.3	0.3097			

Element: Hg Seq. No.: 22 AS Loc.: 22 Date: 10/12/2005
Sample ID: G161-2183-2E-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	2.711	2.711	0.3272	0.0511	11:37:13	Yes
2	2.625	2.625	0.3170	0.0506	11:37:48	No
Mean:	2.668	2.668	0.3221			
SD :	0.0613	0.0613	0.0072			
%RSD:	2.3	2.3	2.2317			

Element: Hg Seq. No.: 23 AS Loc.: 23 Date: 10/12/2005

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Sample ID: G161-2183-2E-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	2.035	2.035	0.2478	0.0398	11:39:20	Yes
2	2.005	2.005	0.2443	0.0398	11:39:55	No
Mean:	2.020	2.020	0.2461			
SD :	0.0212	0.0212	0.0025			
%RSD:	1.0	1.0	1.0100			

Element: Hg Seq. No.: 24 AS Loc.: 24 Date: 10/12/2005
Sample ID: G161-2182-1E-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.173	0.173	0.0294	0.0088	11:41:26	Yes
2	0.175	0.175	0.0297	0.0083	11:42:01	No
Mean:	0.174	0.174	0.0296			
SD :	0.0016	0.0016	0.0002			
%RSD:	0.9	0.9	0.6320			

Element: Hg Seq. No.: 25 AS Loc.: 25 Date: 10/12/2005
Sample ID: G161-2182-1E-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.108	0.108	0.0218	0.0077	11:43:33	Yes
2	0.185	0.185	0.0309	0.0088	11:44:08	No
Mean:	0.146	0.146	0.0263			
SD :	0.0546	0.0546	0.0064			
%RSD:	37.3	37.3	24.3069			

Element: Hg Seq. No.: 26 AS Loc.: 26 Date: 10/12/2005
Sample ID: G161-2182-1E-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.211	0.211	0.0339	0.0094	11:45:40	Yes
2	0.201	0.201	0.0327	0.0093	11:46:15	No
Mean:	0.206	0.206	0.0333			
SD :	0.0072	0.0072	0.0008			
%RSD:	3.5	3.5	2.5409			

Element: Hg Seq. No.: 27 AS Loc.: 27 Date: 10/12/2005
Sample ID: G161-2182-3C-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.031	0.031	0.0128	0.0062	11:47:47	Yes
2	0.033	0.033	0.0130	0.0066	11:48:23	No
Mean:	0.032	0.032	0.0129			
SD :	0.0015	0.0015	0.0002			
%RSD:	4.7	4.7	1.3658			

Element: Hg Seq. No.: 28 AS Loc.: 28 Date: 10/12/2005
Sample ID: G161-2182-3C-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.093	0.093	0.0201	0.0069	11:49:57	Yes
2	0.086	0.086	0.0193	0.0068	11:50:32	No

Mean:	0.090	0.090	0.0197
SD :	0.0050	0.0050	0.0006
%RSD:	5.6	5.6	3.0052

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Element: Hg Seq. No.: 29 AS Loc.: 29 Date: 10/12/2005
Sample ID: G161-2182-3C-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.014	0.014	0.0108	0.0058	11:52:05	Yes
2	0.010	0.010	0.0103	0.0059	11:52:41	No
Mean:	0.012	0.012	0.0106			
SD :	0.0030	0.0030	0.0003			
%RSD:	24.4	24.4	3.2712			

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Element: Hg Seq. No.: 30 AS Loc.: 30 Date: 10/12/2005
Sample ID: ccv3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	5.107	5.107	0.6081	0.0920	11:54:15	Yes
2	5.042	5.042	0.6004	0.0913	11:54:51	No
Mean:	5.074	5.074	0.6042			
SD :	0.0459	0.0459	0.0054			
%RSD:	0.9	0.9	0.8909			

==========

Element: Hg Seq. No.: 31 AS Loc.: 31 Date: 10/12/2005
Sample ID: ccb3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.068	-0.068	0.0012	0.0055	11:56:24	Yes
2	-0.087	-0.087	-0.0010	0.0050	11:57:00	No
Mean:	-0.077	-0.077	0.0001			
SD :	0.0133	0.0133	0.0016			
%RSD:	17.2	17.2	1306.9914			

==========

Element: Hg Seq. No.: 32 AS Loc.: 32 Date: 10/12/2005
Sample ID: G161-2182-4C-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.532	0.532	0.0716	0.0151	11:58:31	Yes
2	0.490	0.490	0.0667	0.0149	11:59:06	No
Mean:	0.511	0.511	0.0691			
SD :	0.0297	0.0297	0.0035			
%RSD:	5.8	5.8	5.0467			

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Element: Hg Seq. No.: 33 AS Loc.: 33 Date: 10/12/2005
Sample ID: G161-2182-4C-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.120	0.120	0.0233	0.0090	12:00:33	Yes
2	0.148	0.148	0.0265	0.0094	12:01:08	No
Mean:	0.134	0.134	0.0249			
SD :	0.0193	0.0193	0.0023			
%RSD:	14.4	14.4	9.1004			

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Element: Hg Seq. No.: 34 AS Loc.: 34 Date: 10/12/2005

Sample ID: G161-2182-4C-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.140	0.140	0.0256	0.0084	12:02:38	Yes
2	0.185	0.185	0.0309	0.0082	12:03:13	No
Mean:	0.162	0.162	0.0282			
SD :	0.0318	0.0318	0.0037			
%RSD:	19.6	19.6	13.2238			

Element: Hg Seq. No.: 35 AS Loc.: 35 Date: 10/12/2005
Sample ID: G161-2182-5C-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.126	0.126	0.0239	0.0084	12:04:42	Yes
2	0.169	0.169	0.0290	0.0087	12:05:17	No
Mean:	0.147	0.147	0.0265			
SD :	0.0306	0.0306	0.0036			
%RSD:	20.7	20.7	13.5564			

Element: Hg Seq. No.: 36 AS Loc.: 36 Date: 10/12/2005
Sample ID: G161-2182-5C-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.168	0.168	0.0289	0.0094	12:06:46	Yes
2	0.138	0.138	0.0254	0.0092	12:07:22	No
Mean:	0.153	0.153	0.0272			
SD :	0.0212	0.0212	0.0025			
%RSD:	13.8	13.8	9.1495			

Element: Hg Seq. No.: 37 AS Loc.: 37 Date: 10/12/2005
Sample ID: G161-2182-5C-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.104	0.104	0.0213	0.0091	12:08:51	Yes
2	0.169	0.169	0.0290	0.0096	12:09:26	No
Mean:	0.136	0.136	0.0252			
SD :	0.0465	0.0465	0.0055			
%RSD:	34.1	34.1	21.6654			

Element: Hg Seq. No.: 38 AS Loc.: 38 Date: 10/12/2005
Sample ID: G161-2182-8C-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.859	0.859	0.1099	0.0234	12:10:55	Yes
2	1.119	1.119	0.1404	0.0223	12:11:31	No
Mean:	0.989	0.989	0.1252			
SD :	0.1836	0.1836	0 0215			
%RSD:	18.6	18.6	17.2001			

Element: Hg Seq. No.: 39 AS Loc.: 39 Date: 10/12/2005
Sample ID: G161-2182-8C-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	1.269	1.269	0.1580	0.0284	12:13:00	Yes
2	1.492	1.492	0.1842	0.0296	12:13:36	No

Mean:	1.381	1.381	0.1711
SD :	0.1581	0.1581	0.0185
%RSD:	11.4	11.4	10.8339

Element: Hg Seq. No.: 40 AS Loc.: 40 Date: 10/12/2005
Sample ID: G161-2182-8C-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.670	0.670	0.0878	0.0177	12:15:06	Yes
2	0.611	0.611	0.0808	0.0166	12:15:41	No
Mean:	0.640	0.640	0.0843			
SD :	0.0422	0.0422	0.0049			
%RSD:	6.6	6.6	5.8685			

Element: Hg Seq. No.: 41 AS Loc.: 41 Date: 10/12/2005
Sample ID: ccv4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.933	4.933	0.5877	0.0910	12:17:13	Yes
2	4.991	4.991	0.5945	0.0904	12:17:48	No
Mean:	4.962	4.962	0.5911			
SD :	0.0410	0.0410	0.0048			
%RSD:	0.8	0.8	0.8143			

Element: Hg Seq. No.: 42 AS Loc.: 42 Date: 10/12/2005
Sample ID: ccb4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.116	-0.116	-0.0044	0.0053	12:19:19	Yes
2	-0.117	-0.117	-0.0045	0.0043	12:19:55	No
Mean:	-0.116	-0.116	-0.0045			
SD :	0.0005	0.0005	0.0001			
%RSD:	0.5	0.5	1.4215			

Element: Hg Seq. No.: 43 AS Loc.: 43 Date: 10/12/2005
Sample ID: G161-2182-10C-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	1.909	1.909	0.2331	0.0386	12:21:28	Yes
2	1.804	1.804	0.2207	0.0377	12:22:03	No
Mean:	1.857	1.857	0.2269			
SD :	0.0747	0.0747	0.0088			
%RSD:	4.0	4.0	3.8594			

Element: Hg Seq. No.: 44 AS Loc.: 44 Date: 10/12/2005
Sample ID: G161-2182-10C-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	3.605	3.605	0.4320	0.0672	12:23:36	Yes
2	3.611	3.611	0.4327	0.0677	12:24:11	No
Mean:	3.608	3.608	0.4323			
SD :	0.0042	0.0042	0.0005			
%RSD:	0.1	0.1	0.1148			

Element: Hg Seq. No.: 45 AS Loc.: 45 Date: 10/12/2005

Sample ID: G161-2182-10C-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	1.538	1.538	0.1895	0.0320	12:25:44	Yes
2	1.521	1.521	0.1876	0.0313	12:26:20	No
Mean:	1.529	1.529	0.1885			
SD :	0.0117	0.0117	0.0014			
%RSD:	0.8	0.8	0.7262			

Element: Hg Seq. No.: 46 AS Loc.: 46 Date: 10/12/2005
Sample ID: G161-2182-12G-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.090	0.090	0.0198	0.0077	12:27:53	Yes
2	0.118	0.118	0.0230	0.0075	12:28:28	No
Mean:	0.104	0.104	0.0214			
SD :	0.0195	0.0195	0.0023			
%RSD:	18.8	18.8	10.7145			

Element: Hg Seq. No.: 47 AS Loc.: 47 Date: 10/12/2005
Sample ID: G161-2182-12G-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.067	0.067	0.0170	0.0072	12:30:03	Yes
2	0.058	0.058	0.0160	0.0068	12:30:38	No
Mean:	0.062	0.062	0.0165			
SD :	0.0059	0.0059	0.0007			
%RSD:	9.5	9.5	4.2214			

Element: Hg Seq. No.: 48 AS Loc.: 48 Date: 10/12/2005
Sample ID: G161-2182-12G-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.121	0.121	0.0234	0.0077	12:32:10	Yes
2	0.127	0.127	0.0241	0.0078	12:32:45	No
Mean:	0.124	0.124	0.0237			
SD :	0.0042	0.0042	0.0005			
%RSD:	3.4	3.4	2.0902			

Element: Hg Seq. No.: 49 AS Loc.: 49 Date: 10/12/2005
Sample ID: G639-8-1I-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.036	0.036	0.0134	0.0062	12:34:11	Yes
2	0.021	0.021	0.0116	0.0061	12:34:46	No
Mean:	0.029	0.029	0.0125			
SD :	0.0111	0.0111	0.0013			
%RSD:	38.7	38.7	10.3708			

Element: Hg Seq. No.: 50 AS Loc.: 50 Date: 10/12/2005
Sample ID: G639-8-1I-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.120	0.120	0.0232	0.0077	12:36:14	Yes
2	0.109	0.109	0.0219	0.0078	12:36:49	No

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Mean:	0.114	0.114	0.0226
SD :	0.0079	0.0079	0.0009
%RSD:	6.9	6.9	4.1191

Element: Hg Seq. No.: 51 AS Loc.: 51 Date: 10/12/2005
Sample ID: G639-8-1I-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.043	0.043	0.0142	0.0063	12:38:18	Yes
2	-0.026	-0.026	0.0061	0.0057	12:38:53	No
Mean:	0.008	0.008	0.0102			
SD :	0.0490	0.0490	0.0057			
%RSD:	584.9	584.9	56.5821			

Element: Hg Seq. No.: 52 AS Loc.: 52 Date: 10/12/2005
Sample ID: ccv5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.821	4.821	0.5745	0.0883	12:40:22	Yes
2	4.745	4.745	0.5657	0.0870	12:40:57	No
Mean:	4.783	4.783	0.5701			
SD :	0.0535	0.0535	0.0063			
%RSD:	1.1	1.1	1.1014			

Element: Hg Seq. No.: 53 AS Loc.: 53 Date: 10/12/2005
Sample ID: ccb5

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.096	-0.096	-0.0021	0.0045	12:42:26	Yes
2	-0.091	-0.091	-0.0015	0.0043	12:43:01	No
Mean:	-0.093	-0.093	-0.0018			
SD :	0.0036	0.0036	0.0004			
%RSD:	3.9	3.9	23.9468			

Element: Hg Seq. No.: 54 AS Loc.: 54 Date: 10/12/2005
Sample ID: G639-8-2I-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.053	0.053	0.0154	0.0065	12:44:31	Yes
2	0.026	0.026	0.0123	0.0069	12:45:06	No
Mean:	0.040	0.040	0.0138			
SD :	0.0191	0.0191	0.0022			
%RSD:	47.9	47.9	16.1592			

Element: Hg Seq. No.: 55 AS Loc.: 55 Date: 10/12/2005
Sample ID: G639-8-2I-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.078	0.078	0.0183	0.0072	12:46:37	Yes
2	0.082	0.082	0.0188	0.0074	12:47:12	No
Mean:	0.080	0.080	0.0185			
SD :	0.0029	0.0029	0.0003			
%RSD:	3.6	3.6	1.8207			

Element: Hg Seq. No.: 56 AS Loc.: 56 Date: 10/12/2005

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Sample ID: G639-8-2I-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.082	0.082	0.0188	0.0073	12:48:43	Yes
2	0.072	0.072	0.0176	0.0073	12:49:18	No
Mean:	0.077	0.077	0.0182			
SD :	0.0073	0.0073	0.0009			
%RSD:	9.4	9.4	4.6876			

Element: Hg Seq. No.: 57 AS Loc.: 57 Date: 10/12/2005
Sample ID: G639-8-3L-1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.146	0.146	0.0263	0.0086	12:50:49	Yes
2	0.142	0.142	0.0258	0.0082	12:51:24	No
Mean:	0.144	0.144	0.0261			
SD :	0.0026	0.0026	0.0003			
%RSD:	1.8	1.8	1.1691			

Element: Hg Seq. No.: 58 AS Loc.: 58 Date: 10/12/2005
Sample ID: G639-8-3L-2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.063	0.063	0.0166	0.0070	12:52:56	Yes
2	0.059	0.059	0.0161	0.0070	12:53:31	No
Mean:	0.061	0.061	0.0163			
SD :	0.0029	0.0029	0.0003			
%RSD:	4.7	4.7	2.0642			

Element: Hg Seq. No.: 59 AS Loc.: 59 Date: 10/12/2005
Sample ID: G639-8-3L-3

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	0.099	0.099	0.0208	0.0075	12:55:02	Yes
2	0.079	0.079	0.0184	0.0074	12:55:38	No
Mean:	0.089	0.089	0.0196			
SD :	0.0148	0.0148	0.0017			
%RSD:	16.6	16.6	8.8552			

Element: Hg Seq. No.: 60 AS Loc.: 60 Date: 10/12/2005
Sample ID: ccv6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	4.959	4.959	0.5907	0.0901	12:57:11	Yes
2	4.976	4.976	0.5928	0.0907	12:57:47	No
Mean:	4.968	4.968	0.5918			
SD :	0.0123	0.0123	0.0014			
%RSD:	0.2	0.2	0.2438			

Element: Hg Seq. No.: 61 AS Loc.: 61 Date: 10/12/2005
Sample ID: ccb6

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	-0.075	-0.075	0.0004	0.0043	12:59:21	Yes
2	-0.148	-0.148	-0.0082	0.0042	12:59:56	No

Mean:	-0.111	-0.111	-0.0039
SD :	0.0520	0.0520	0.0061
%RSD:	46.6	46.6	156.1426

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Element: Hg Seq. No.: 62 AS Loc.: 7 Date: 10/12/2005
Sample ID: QC Sample 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Height	Time	Peak Stored
1	10.35	10.35	1.2230	0.1804	01:01:32	Yes
2	10.25	10.25	1.2107	0.1789	01:02:07	No
Mean:	10.30	10.30	1.2169			
SD :	0.0742	0.0742	0.0087			
%RSD:	0.7	0.7	0.7150			

QC value within specified limits.

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Metals Prep, Standard, Run Logs

PARADIGM ANALYTICAL LABORATORIES, INC.

Prep Report for Batch 3797 (METALS/3010/WATER) on 0000-00-00 by psw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time
G161-2181-1H (168677)		50			50	45105	45105		AB119	3:30
G161-2182-13N (168678)		50			50	45105	45105		AB119	3:30
G161-2182-14L (168679)		50			50	45105	45105		AB119	3:30
G161-2182-15N (168680)		50			50	45105	45105		AB119	3.30
G161-2183-5H (168681)		50			50	45105	45105		AB119	3 30
G175-514-10I (168691)		50			50	45105	45105		AB119	3:30
G175-514-11G (168692)		50			50	45105	45105		AB119	3:30
G175-514-12G (168693)		50			50	45105	45105		AB119	3:30
G175-514-13G (168694)		50			50	45105	45105		AB119	3:30
G175-514-13H (168695)	DUP	50			50	45105	45105		AB119	3:30
G175-514-1E (168682)		50			50	45105	45105		AB119	3:30
G175-514-2E (168683)		50			50	45105	45105		AB119	3:30
G175-514-3E (168684)		50			50	45105	45105		AB119	3:30
G175-514-4G (168685)		50			50	45105	45105		AB119	3 30
G175-514-5G (168686)		50			50	45105	45105		AB119	3:30
G175-514-6G (168687)		50			50	45105	45105		AB119	3:30
G175-514-7G (168688)		50			50	45105	45105		AB119	3:30
G175-514-8E (168689)		50			50	45105	45105		AB119	3:30
G175-514-9G (168690)		50			50	45105	45105		AB119	3:30
G414-67-4Q (168673)		50			50	45105	45105		AB119	3.30
G414-67-4R (168674)	MS	50	1004-386,1004-387	1	50	45105	45105		AB119	3:30
G414-67-4S (168675)	MSD	50	1004-386,1004-387	1	50	45105	45105		AB119	3:30
G414-67-5M (168676)		50			50	45105	45105		AB119	3:30
lcd3797	LCD	50	1004-386,1004-387	1	50	45105	45105		AB119	3:30
lcs3797	LCS	50	1004-386,1004-387	1	50	45105	45105		AB119	3:30
pb3797	PB	50			50	45105	45105		AB119	3.30

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Prep Report for Batch 3801 (MERCURY/7470/WATER) on 2005-10-11 by psw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time
blk100705a		20			50	45105	45105	45105	95.3	12.00
G111-783-4D (168898)		20			50	45105	45105	45105	95 3	12.00
G132-1443-1D (168899)		40			50	45105	45105	45105	95 3	12:00
G161-2181-1I (168890)		40			50	45105	45105	45105	95 3	12:00
G161-2181-1J (168891)	MS	40	D-097,D-098	.250	50	45105	45105	45105	95.3	12.00
G161-2181-1K (168892)	MSD	40	D-097,D-098	.250	50	45105	45105	45105	95.3	12:00
G161-2182-13O (168893)		40			50	45105	45105	45105	95.3	12.00
G161-2182-14M (168894)		40			50	45105	45105	45105	95.3	12:00
G161-2182-15O (168895)		40			50	45105	45105	45105	95 3	12:00
G161-2183-5I (168896)		40			50	45105	45105	45105	95 3	12:00
G175-514-10J (168909)		40			50	45105	45105	45105	95.3	12.00
G175-514-11H (168910)		40			50	45105	45105	45105	95.3	12:00
G175-514-11I (168911)	DUP	40			50	45105	45105	45105	95.3	12:00
G175-514-1F (168900)		40			50	45105	45105	45105	95.3	12:00
G175-514-2F (168901)		40			50	45105	45105	45105	95.3	12:00
G175-514-3F (168902)		40			50	45105	45105	45105	95.3	12:00
G175-514-4H (168903)		40			50	45105	45105	45105	95.3	12:00
G175-514-5H (168904)		40			50	45105	45105	45105	95.3	12:00
G175-514-6H (168905)		40			50	45105	45105	45105	95.3	12:00
G175-514-7H (168906)		40			50	45105	45105	45105	95.3	12:00
G175-514-8F (168907)		40			50	45105	45105	45105	95.3	12:00
G175-514-9H (168908)		40			50	45105	45105	45105	95.3	12:00
G537-179-3C (168897)		20			50	45105	45105	45105	95.3	12:00
lcd3801	LCD	40	D-097,D-098	.250	50	45105	45105	45105	95.3	12:00
lcs3801	LCS	40	D-097,D-098	.250	50	45105	45105	45105	95.3	12:00
pb3801	PB	40			50	45105	45105	45105	95.3	12:00

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Prep Report for Batch 3802 (METALS/3050/SOIL) on 2005-10-11 by psw

Sample ID (GCCODE)	EXT	InitWt	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time
G161-2181-1L (168992)					50	45105	45105		95.3	3 30
G161-2181-1M (169252)		.59			50	45105	45105		95.3	3 30
G161-2182-10B (168997)		.56			50	45105	45105		95.3	3:30
G161-2182-12F (168998)		.55			50	45105	45105		95.3	3.30
G161-2182-1F (169300)		.59			50	45105	45105		95.3	3:30
G161-2182-3B (168993)		.54			50	45105	45105		95.3	3:30
G161-2182-4B (168994)		.58			50	45105	45105		95.3	3.30
G161-2182-5B (168995)		.59			50	45105	45105		95.3	3:30
G161-2182-8B (168996)		.53			50	45105	45105		95.3	3:30
G161-2183-1D (168988)		.55			50	45105	45105		95.3	3:30
G161-2183-1E (168989)	MS	.54	1004-386,1004-387	1	50	45105	45105		95.3	3:30
G161-2183-1F (168990)	MSD	.59	1004-386,1004-387	1	50	45105	45105		95.3	3:30
G161-2183-2D (168991)		.52			50	45105	45105		95.3	3:30
G639-8-1H (168999)		.57			50	45105	45105		95.3	3:30
G639-8-2H (169000)		.56			50	45105	45105		95.3	3:30
G639-8-3J (169001)		.51			50	45105	45105		95.3	3:30
G639-8-3K (169002)	DUP	.55			50	45105	45105		95.3	3:30
lcd3802	LCD	.5	1004-386,1004-387	1	50	45105	45105		95.3	3:30
lcs3802	LCS	.5	1004-386,1004-387	1	50	45105	45105		95.3	3.30
pb3802	PB	0.5			50	45105	45105		95.3	3:30

PARADIGM ANALYTICAL LABORATORIES, INC.

Prep Report for Batch 3808 (MERCURY/7471/SOIL) on 2005-10-12 by psw

Sample ID (GCCODE)	EXT	QCSpikeID	QCSpikeVol	FinalVol	HNO3Lot	HClLot	H2SO4Lot	Temp	Time	InitWt-1	InitWt-2	InitWt-3
G161-2182-10C (169087)				50	45105	45105		95.2	9:45	0.58	0.59	0.51
G161-2182-12G (169088)				50	45105	45105		95.2	9:45	0.56	0.58	0.51
G161-2182-1E (169082)				50	45105	45105		95.2	9:45	0.56	0.51	0.55
G161-2182-3C (169083)				50	45105	45105		95.2	9:45	0.55	0.59	0.52
G161-2182-4C (169084)				50	45105	45105		95.2	9:45	0.60	0.57	0.55
G161-2182-5C (169085)				50	45105	45105		95.2	9:45	0.52	0.59	0.52
G161-2182-8C (169086)				50	45105	45105		95.2	9:45	0.52	0.55	0.54
G161-2183-1G (169078)				50	45105	45105		95.2	9:45	0.58	0.54	0.55
G161-2183-1H (169079)	MS	D-097,D-098	.250	50	45105	45105		95.2	9:45	0.56		
G161-2183-1I (169080)	MSD	D-097,D-098	.250	50	45105	45105		95.2	9:45	0.59		
G161-2183-2E (169081)				50	45105	45105		95.2	9:45	0.51	0.58	0.58
G639-8-1I (169089)				50	45105	45105		95.2	9:45	0.59	0.53	0.56
G639-8-2I (169090)				50	45105	45105		95.2	9:45	0.55	0.60	0.57
G639-8-3L (169091)				50	45105	45105		95.2	9:45	0.60	0.50	0.52
lcd3808	LCD	D-097,D-098	.250	50	45105	45105		95.2	9:45	0.50		
lcs3808	LCS	D-097,D-098	.250	50	45105	45105		95.2	9:45	0.50		
pb3808	PB			50	45105	45105		95.2	9:45	0.50		

N.C. Certification #481 S.C. Certification #99029

Paradigm Analytical Labs

Inorganics Calibration Standards Log

Analyst	Date Made	Analysis	Standard Type	Batch ID	Source	Acid Lot #	Date Expires
PSW	10-5-05	6010 TAL	CB	OES100505-1	Barnstead	45105	10-12-05
			S1		0824-376		
			S2		0824-377 0824-378 S-627, 628, 624		
			S3		0824-377		
			S4		0824-378		
			S5		S-627, 628, 624		
			QCCHK		S-599, 600, 601		
			ICSA		S-620, 621, 622, 623		
			ICSB		0824-379		
			ApplCHK		0824-380		
RML	10-4-05	6010 TAL	CB	HS 100405-1	Barnstead	44313	10-11-05
			S1		1004-383		
			S2				
			S3		1004-384		
			S4				
			S5				
			QCCHK		S-616		
			ICSA		1004-385		
			ICSB		1004-385		
PSW	10-12-05	6010 TAL	CB	OES101205-1	Barnstead	46105	10-19-05
			S1		0824-376		
			S2		0824-377 0824-378 S-627, 628, 624		
			S3		0824-377		
			S4		0824-378		
			S5		S-627, 628, 624		
			QCCHK		S-599, S-600, S-601		
			ICSA		S-620, 621, 622, 623		
			ICSB		0824-379		
			ApplCHK		0824-380		
PSW	10-13-05	6010 B	CB	OES101305-B	Barnstead	45105	10-20-05
			S1				
			S2				
			S3				
			QCCHK				

IN41.061504.1

Paradigm Analytical Labs

Inorganics Dilution Form

Standard ID	Element	Std Exp	Source	Initial Conc. (ug/mL)	Amount Used	Final Volume	Final Conc. (ug/mL)	Date made	Date Expires	Analyst
D-082	Mo	9/06	S-602	1000	1 mL	100 mL	10	2-23-05	4-23-05	RML
D-083	Sn	9/06	S-606	1000	100 mL	100 mL	1	3-22-05	5-22-05	RML
D-084	SnQC	4/30/05	S-468	1000	100 mL	100 mL	1	3-22-05	4-30-05 ~~5-22-05~~	RML
D-085	Pb	12/05	S-542	1000	100 mL	100 mL	1	3-23-05	5-23-05	RML
D-086	Pb QC	1/06	S-599	100	1 mL	100 mL	1	3-23-05	5-23-05	RML
D-087	Hg	8/1/05	S-522	1000	100 µl	100 ml	1	4/18/05	6/18/05	PSW
D-088	HgQC	6/30/05	S-467	1000	100 µl	100 ml	1	4/18/05	6/18/05	PSW
D-089	B	5/06	S-580	1000	100 µl	100 ml	1	5/11/05	7/11/05	PSW
D-090	Sn	9-06	S-606	1000	100 mL	100 mL	1	5-17-05	7-17-05	RML
D-091	SnQC	1-31-05	S-615	1000	100 mL	100 mL	1	5-17-05	7-17-05	RML
D-092	Hg	8-1-05	S-522	1000	100 µl	100 ml	1	6-30-05	8-1-05	PSW
D-093	HgQC	6-30-05	S-467	1000	100 µl	100 ml	1	6-30-05	8-30-05	PSW
D-094	HgQC	8-31-06	S-619	1000	100 µl	100 ml	1	6-30-05	8-30-05	PSW
D-095	Hg	2/28/07	S-634	1000	100 mL	100 mL	1	8-15-05	10-15-05	RML
D-096	HgQC	8-31-06	S-619	1000	100 µL	100 ml	1	8-15-05	10-15-05	RML
D-097	Hg	2/28/07 PSW ~~10-6-05~~	S-634	1000	100 µl	100 ml	1	10-6-05	12-6-05	PSW
D-098	HgQC	8/31/06 PSW ~~10-6-05~~	S-619	1000	100 µl	100 ml	1	10-6-05	12-6-05	PSW
D-099	Sn	9/06	S-606	1000	100 mL	100 mL	1	10-13-05	12-13-05	RML
D-100	SnQC	1/08	S-615	1000	100 mL	100 mL	1	10-13-05	12-13-05	RML
D-101	Hg	2/07	S-634	1000	100 mL	100 mL	1	10-28-05	12-28-05	RML
D-102	HgQC	8/06	S-619	1000	100 mL	100 mL	1	10-28-05	12-28-05	RML

IN34 072003 1

5030 Sample Raw Data

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\018F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 18
Sample Name	: g161-2183-3a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 05:31 PM	Instrument Method:	GAS1.MTH
Report Created on:	12 Oct 05 02:26 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

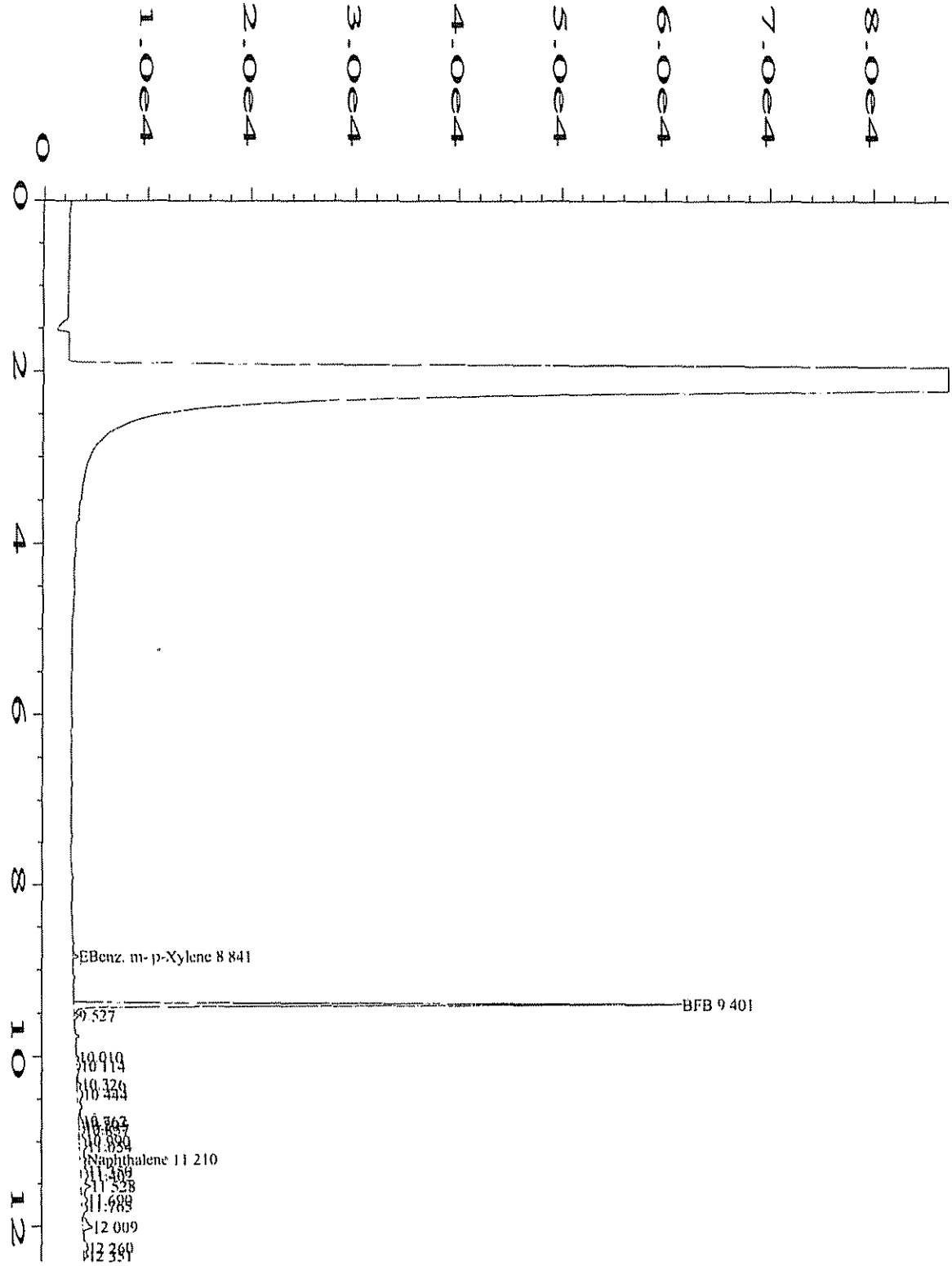
<50 mg 10/12

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\018F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.310	* not found *			1		2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.684	* not found *			1		n-Nonane
8.841	1428	BB	0.040	1	0.140	EBenz, m-,p-Xylene
9.080	* not found *			1		o-Xylene
9.401	105973	BV	0.028	1	408.207	BFB
9.761	* not found *			1		1,2,4-Trimethylbenzene
11.210	1780	VV	0.039	1	0.420	Naphthalene
9.527	1419	VB	0.046		14.188	* uncalibrated *
10.010	1025	VV	0.055		10.247	* uncalibrated *
10.114	1002	VV	0.037		10.020	* uncalibrated *
10.326	1577	VV	0.051		15.775	* uncalibrated *
10.444	4200	VV	0.096		41.996	* uncalibrated *
10.762	1738	VV	0.067		17.381	* uncalibrated *
10.805	1319	VV	0.038		13.194	* uncalibrated *
10.857	2806	VV	0.061		28.061	* uncalibrated *
10.990	3228	VV	0.065		32.277	* uncalibrated *
11.054	3102	VV	0.055		31.019	* uncalibrated *
11.350	2192	VV	0.046		21.919	* uncalibrated *
11.402	3183	VV	0.059		31.825	* uncalibrated *
11.528	3751	VV	0.056		37.506	* uncalibrated *
11.690	3091	VV	0.078		30.909	* uncalibrated *
11.765	1185	VV	0.037		11.847	* uncalibrated *
12.009	4965	VV	0.069		49.649	* uncalibrated *
12.260	2848	PV	0.077		28.481	* uncalibrated *
12.351	1471	VBA	0.050		14.712	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp101105\018F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 18
Sample Name	: g161-2183-3a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 05:31 PM	Instrument Method:	GAS1.MTH
Report Created on:	12 Oct 05 02:26 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

5030 Calibration Raw Data

External Standard Report

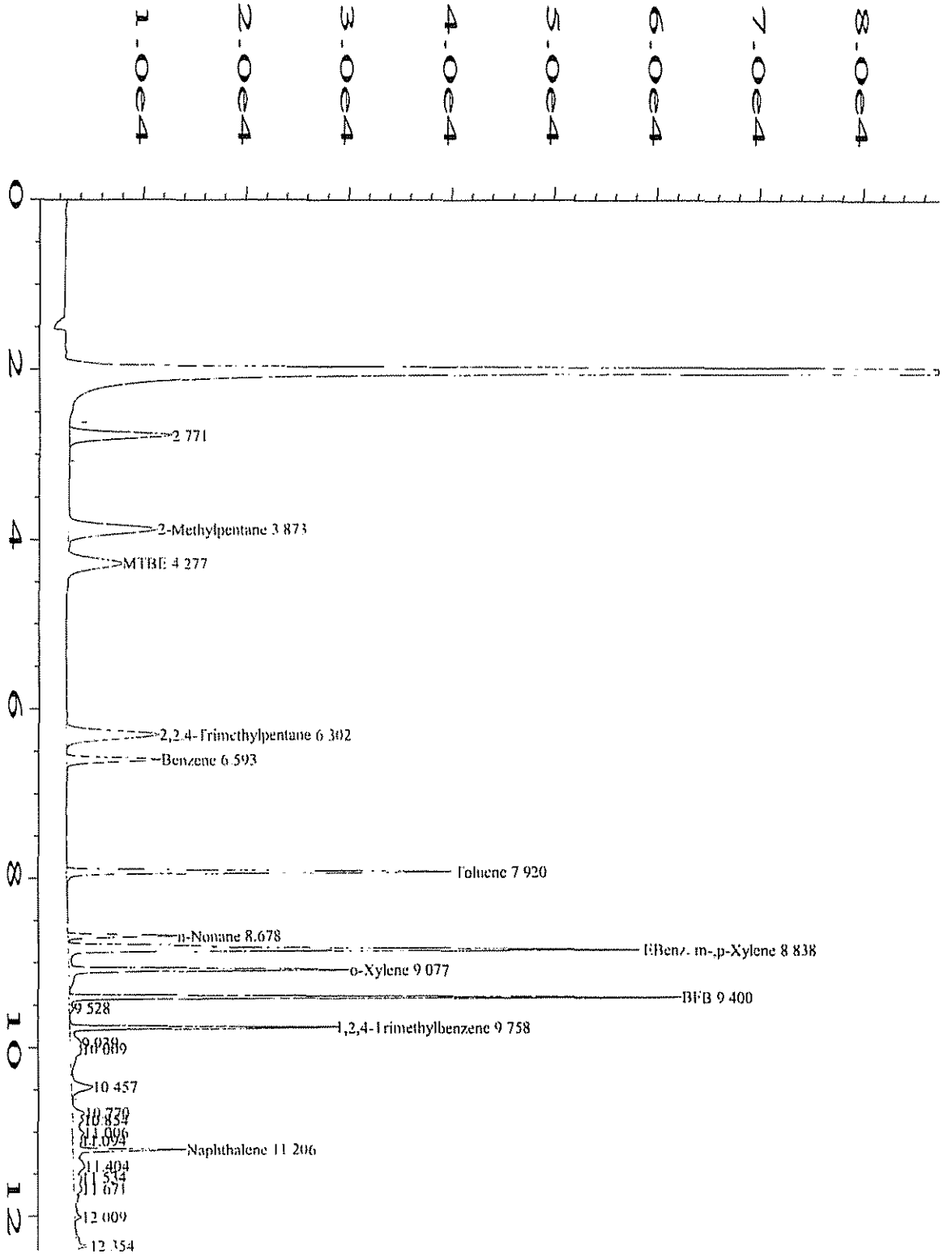
Data File Name	: C:\HPCHEM\1\DATA\vp092705\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 10:53 AM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:32 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp092705\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.849	* not found *			1		n-Pentane
3.873	65105	BV	0.114	1	11.564	2-Methylpentane
4.277	44438	VB	0.132	1	104.170	MTBE
6.302	59204	BV	0.103	1	11.372	2,2,4-Trimethylpentane
6.593	32321	VV	0.056	1	4.096	Benzene
7.920	92185	BB	0.039	1	9.786	Toluene
8.678	23276	BV	0.035	1	5.840	n-Nonane
8.838	144282	VV	0.038	1	14.104	EBenz, m-,p-Xylene
9.077	63629	VV	0.036	1	6.317	o-Xylene
9.400	107096	PV	0.029	1	412.533	BFB
9.758	51995	VV	0.031	1	5.534	1,2,4-Trimethylbenzene
11.206	23723	VV	0.032	1	5.598	Naphthalene
2.771	54171	BB	0.085		541.708	* uncalibrated *
9.528	1993	VV	0.070		19.931	* uncalibrated *
9.939	7211	VV	0.089		72.107	* uncalibrated *
10.009	10488	VV	0.128		104.879	* uncalibrated *
10.457	12946	VV	0.095		129.462	* uncalibrated *
10.770	6440	VV	0.080		64.398	* uncalibrated *
10.854	4617	VV	0.064		46.174	* uncalibrated *
11.006	7517	VV	0.093		75.168	* uncalibrated *
11.094	3679	VV	0.062		36.790	* uncalibrated *
11.404	9906	VV	0.122		99.063	* uncalibrated *
11.534	4630	VV	0.093		46.302	* uncalibrated *
11.671	4697	VV	0.092		46.967	* uncalibrated *
12.009	2538	VV	0.054		25.379	* uncalibrated *
12.354	4853	PBA	0.055		48.529	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp092705\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: V 10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 10:53 AM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:32 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

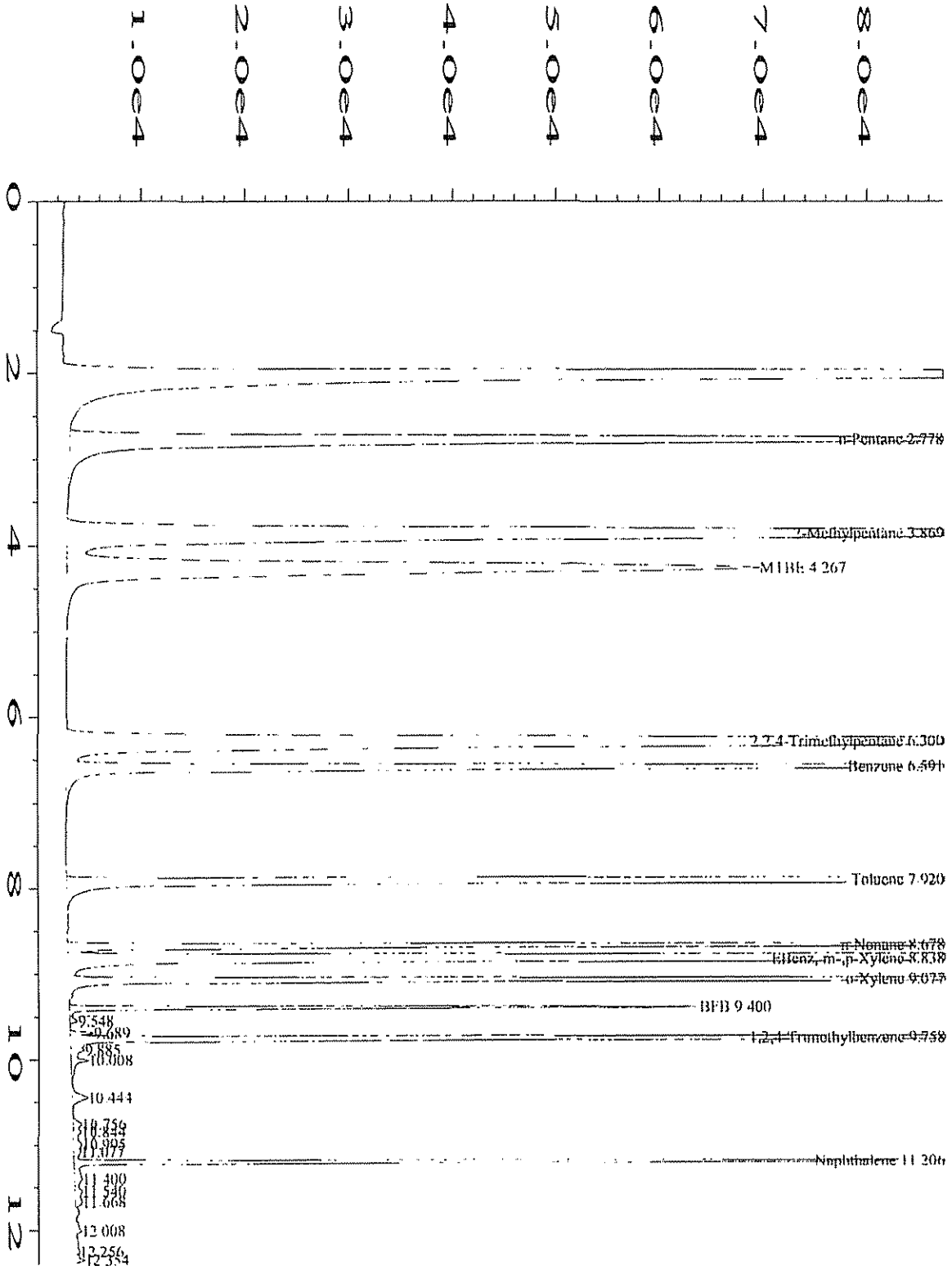
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp092705\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: V 250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 11:18 AM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:32 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp092705\005F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	636581	BB	0.091	1	1078.548	n-Pentane
3.869	935933	BV	0.120	1	1094.521	2-Methylpentane
4.267	585280	VB	0.136	1	11814.98	MTBE
6.300	911610	VV	0.103	1	1799.061	2,2,4-Trimethylpentane
6.591	453398	VB	0.057	1	334.944	Benzene
7.920	1283755	BV	0.039	1	1032.780	Toluene
8.678	385638	BV	0.035	1	424.722	n-Nonane
8.838	2026007	VV	0.038	1	1627.037	EBenz, m-,p-Xylene
9.077	797208	VV	0.033	1	644.315	o-Xylene
9.400	109476	VV	0.029	1	421.701	BFB
9.758	744439	VV	0.031	1	676.928	1,2,4-Trimethylbenzene
11.206	239675	VV	0.027	1	-747.401	Naphthalene
9.548	2446	VV	0.046		24.462	* uncalibrated *
9.689	4504	PV	0.033		45.036	* uncalibrated *
9.885	5440	VV	0.056		54.402	* uncalibrated *
10.008	7911	VV	0.063		79.108	* uncalibrated *
10.444	9003	VV	0.082		90.026	* uncalibrated *
10.756	4327	PV	0.075		43.273	* uncalibrated *
10.844	4478	VV	0.077		44.778	* uncalibrated *
10.995	4521	VV	0.081		45.211	* uncalibrated *
11.077	3313	VV	0.074		33.131	* uncalibrated *
11.400	6763	VV	0.122		67.628	* uncalibrated *
11.540	4270	VV	0.093		42.699	* uncalibrated *
11.668	3814	VV	0.087		38.139	* uncalibrated *
12.008	2601	VV	0.071		26.008	* uncalibrated *
12.256	1758	PV	0.094		17.577	* uncalibrated *
12.354	1972	VBA	0.040		19.718	* uncalibrated *

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp092705\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: V 250	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 11:18 AM	Instrument Method:	GAS1.MTH
Report Created on:	02 Dec 05 11:32 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

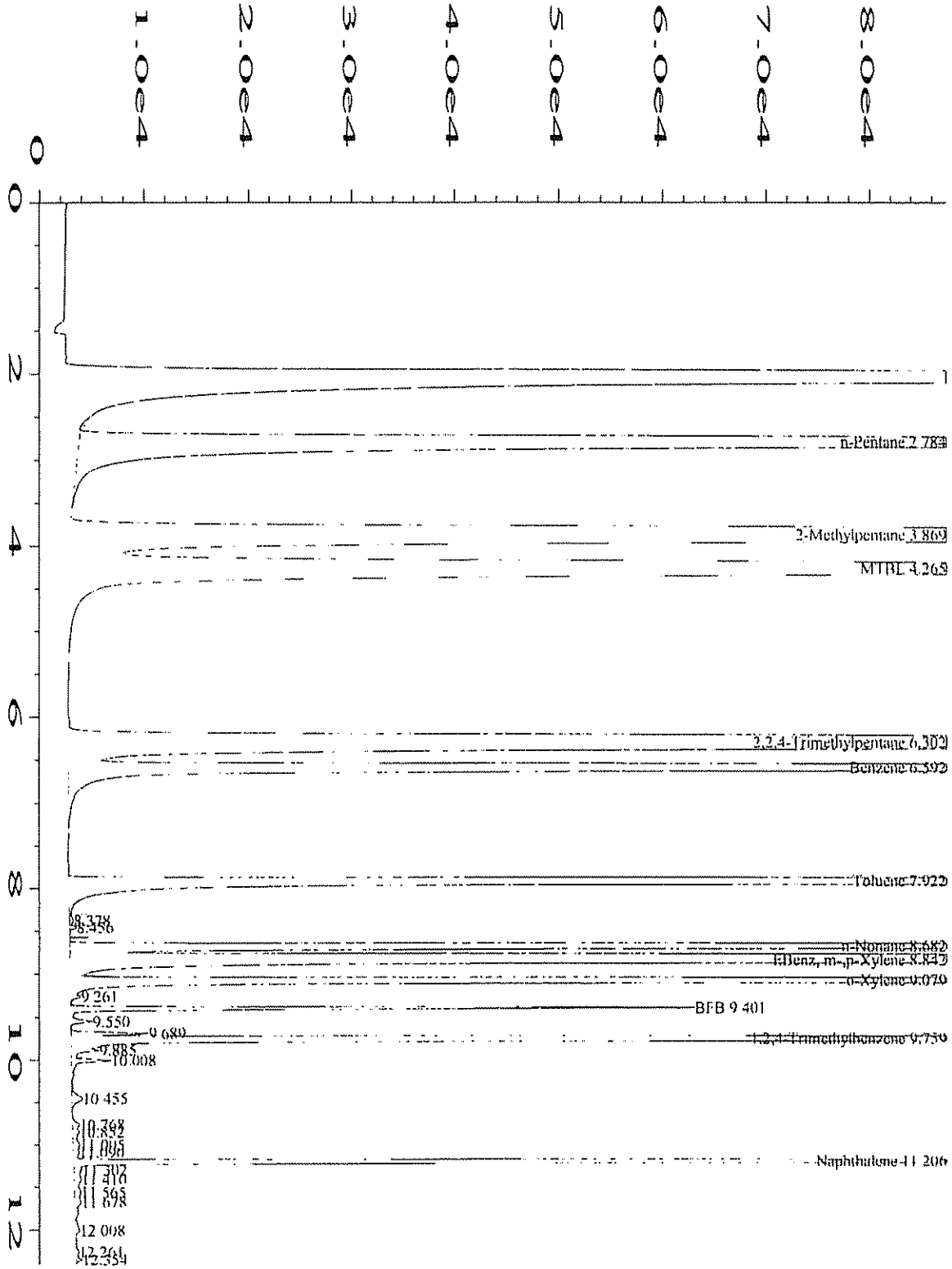
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp092705\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 11:43 AM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:32 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp092705\006F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.784	1748547	BV	0.098	1	4281.711	n-Pentane
3.869	2858178	PV	0.119	1	4419.267	2-Methylpentane
4.265	1706383	VB	0.137	1	49993.67	MTBE
6.302	2832291	VV	0.104	1	7373.176	2,2,4-Trimethylpentane
6.592	1414859	VB	0.057	1	1359.339	Benzene
7.922	3977336	BV	0.038	1	4679.511	Toluene
8.682	1833105	BV	0.035	1	2886.318	n-Nonane
8.842	6502651	VV	0.037	1	8442.337	EBenz, m-,p-Xylene
9.079	2522580	VV	0.033	1	3288.503	o-Xylene
9.401	107890	VV	0.029	1	415.590	BFB
9.759	2425041	VV	0.031	1	3580.853	1,2,4-Trimethylbenzene
11.206	787964	VV	0.026	1	-6901.313	Naphthalene
8.378	1754	VV	0.060		17.543	* uncalibrated *
8.456	1855	VB	0.043		18.546	* uncalibrated *
9.261	3006	VV	0.044		30.064	* uncalibrated *
9.550	5363	VV	0.038		53.632	* uncalibrated *
9.689	14347	VV	0.030		143.471	* uncalibrated *
9.885	7600	VV	0.047		75.995	* uncalibrated *
10.008	10518	VV	0.040		105.178	* uncalibrated *
10.455	6759	VV	0.096		67.594	* uncalibrated *
10.768	3497	PV	0.074		34.966	* uncalibrated *
10.852	3520	VV	0.075		35.195	* uncalibrated *
11.005	4106	VV	0.090		41.060	* uncalibrated *
11.090	2312	VV	0.061		23.117	* uncalibrated *
11.302	2019	VV	0.043		20.189	* uncalibrated *
11.410	5735	VV	0.110		57.352	* uncalibrated *
11.565	3733	VV	0.080		37.326	* uncalibrated *
11.678	3923	VV	0.091		39.231	* uncalibrated *
12.008	2635	VV	0.081		26.353	* uncalibrated *
12.261	1851	VV	0.097		18.512	* uncalibrated *
12.354	1347	VBA	0.037		13.468	* uncalibrated *

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp092705\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: V 500	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 27 Sep 05 11:43 AM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:33 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

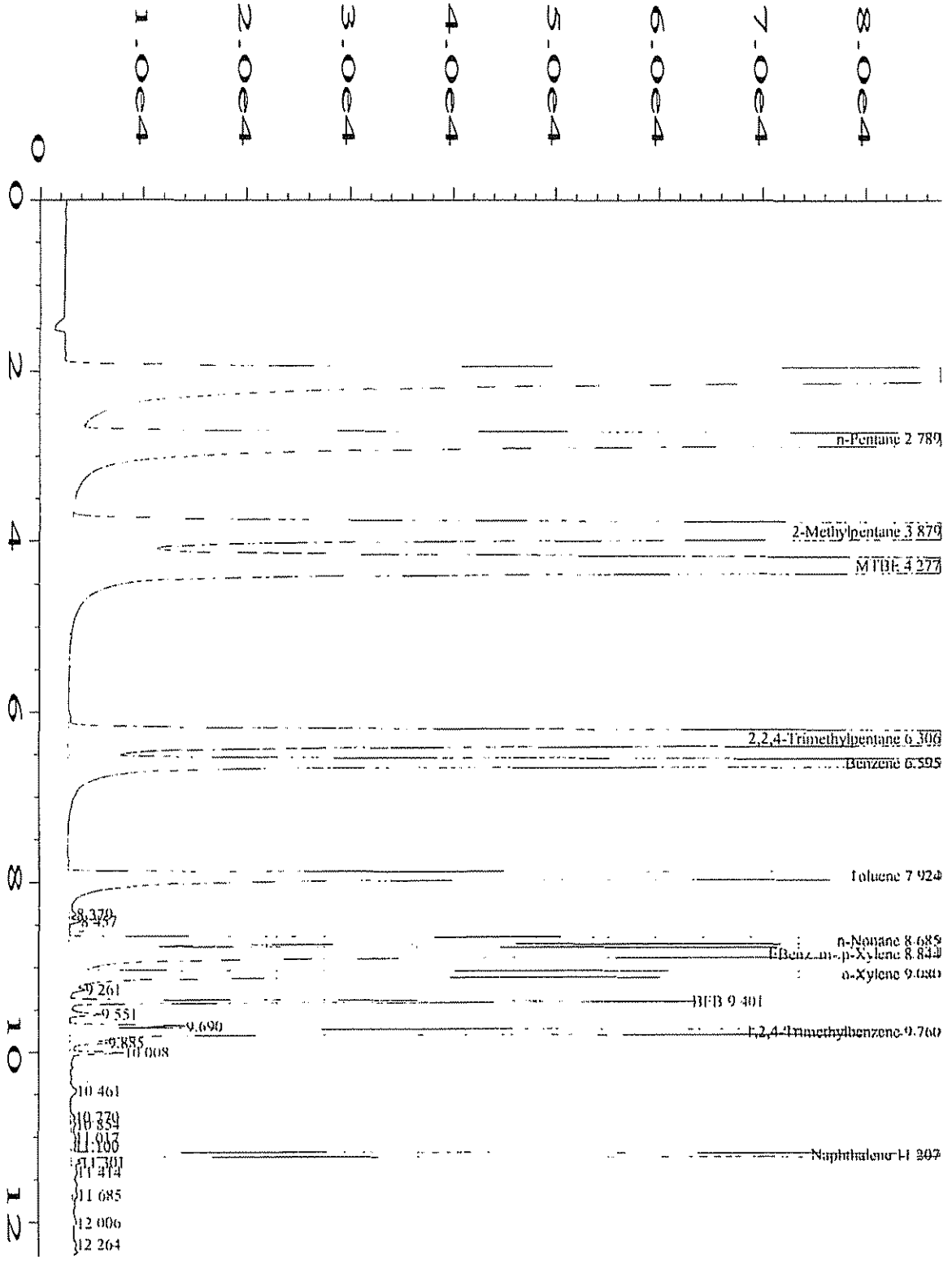
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp092705\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: V 750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 12:34 PM	Instrument Method	: GAS1.MTH
Report Created on:	02 Dec 05 11:33 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp092705\008F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.789	2846898	BV	0.100	1	7445.654	n-Pentane
3.879	4637910	PV	0.120	1	7497.519	2-Methylpentane
4.277	2836533	VB	0.136	1	88480.47	MTBE
6.306	4565237	VV	0.104	1	12402.45	2,2,4-Trimethylpentane
6.595	2275138	VB	0.057	1	2275.929	Benzene
7.924	6284642	BV	0.037	1	7803.282	Toluene
8.685	3067618	BV	0.036	1	4985.760	n-Nonane
8.844	1.02865E+007	VV	0.036	1	14202.85	EBenz, m-,p-Xylene
9.080	3886253	VV	0.033	1	5378.375	o-Xylene
9.401	110361	VV	0.029	1	425.112	BFB
9.760	3676138	VV	0.030	1	5742.634	1,2,4-Trimethylbenzene
11.207	1215080	VV	0.027	1	-11695.20	Naphthalene
8.379	2887	VV	0.060		28.871	* uncalibrated *
8.457	3122	VB	0.043		31.223	* uncalibrated *
9.261	4919	VV	0.046		49.189	* uncalibrated *
9.551	7753	VV	0.038		77.530	* uncalibrated *
9.690	21265	VV	0.030		212.648	* uncalibrated *
9.885	9274	VV	0.042		92.736	* uncalibrated *
10.008	12477	VV	0.036		124.770	* uncalibrated *
10.461	3894	VV	0.091		38.943	* uncalibrated *
10.770	1958	PV	0.072		19.584	* uncalibrated *
10.854	2490	VV	0.071		24.898	* uncalibrated *
11.017	2509	VV	0.094		25.092	* uncalibrated *
11.100	1724	VV	0.073		17.239	* uncalibrated *
11.301	2220	VV	0.034		22.196	* uncalibrated *
11.414	4288	VV	0.110		42.881	* uncalibrated *
11.685	2864	VV	0.086		28.644	* uncalibrated *
12.006	2056	VV	0.083		20.564	* uncalibrated *
12.264	1534	PV	0.094		15.345	* uncalibrated *

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp092705\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: V 750	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 12:34 PM	Instrument Method:	GAS1.MTH
Report Created on:	02 Dec 05 11:33 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

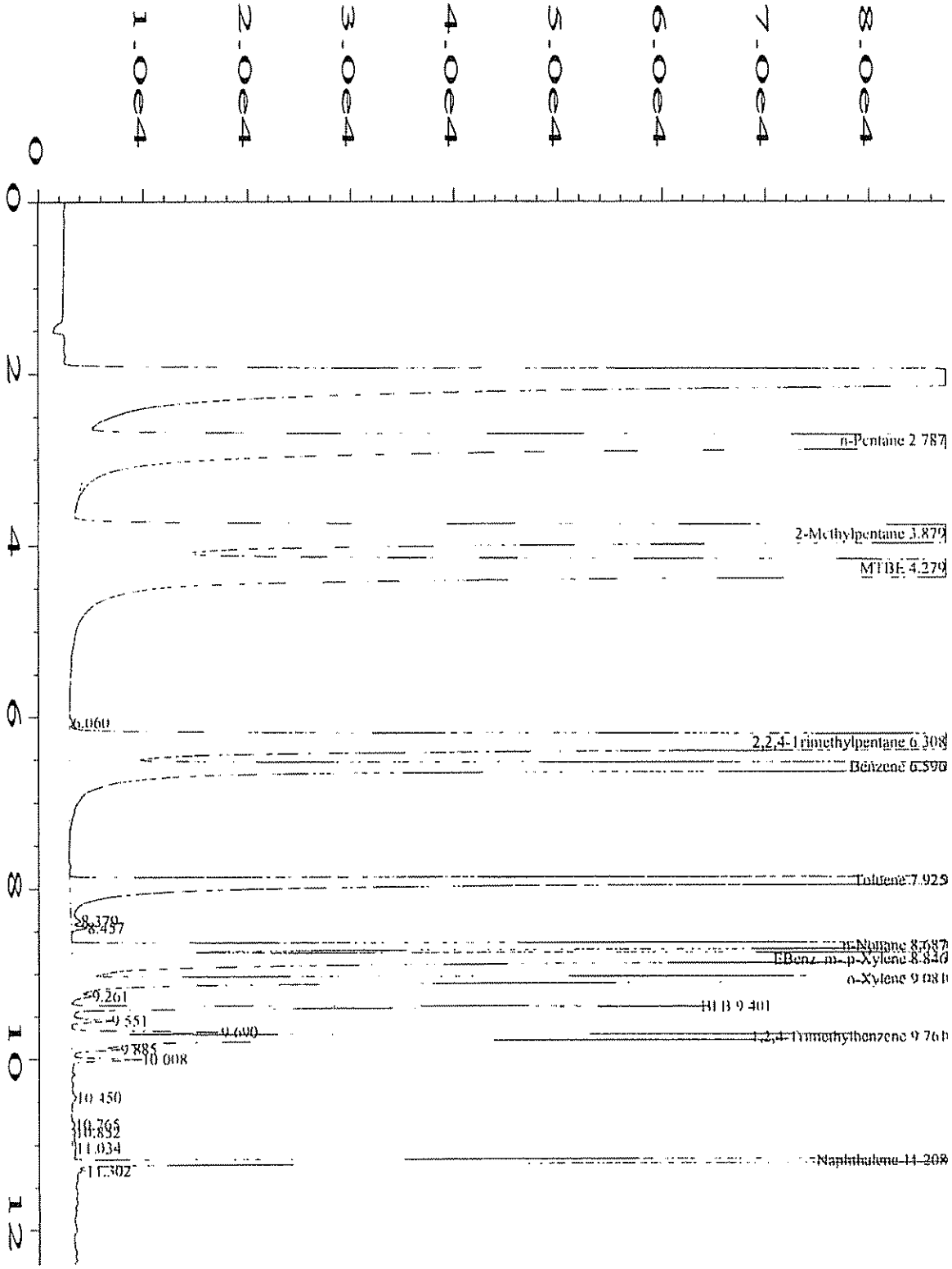
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp092705\010F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 10
Sample Name	: V 1000	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 27 Sep 05 01:25 PM	Instrument Method	: GAS1.MTH
Report Created on	: 02 Dec 05 11:33 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp092705\010F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.787	3663388	BV	0.100	1	9797.660	n-Pentane
3.879	6021050	PV	0.120	1	9889.820	2-Methylpentane
4.279	4184438	VB	0.136	1	134382.9	MTBE
6.308	5906957	VV	0.103	1	16296.33	2,2,4-Trimethylpentane
6.596	3162548	VV	0.057	1	3221.427	Benzene
7.925	8415470	BV	0.037	1	10688.12	Toluene
8.687	4154370	BV	0.036	1	6833.915	n-Nonane
8.846	1.37668E+007	VV	0.035	1	19501.30	EBenz, m-,p-Xylene
9.081	5130705	VV	0.032	1	7285.539	o-Xylene
9.401	110328	VV	0.029	1	424.982	BFB
9.761	4708587	VV	0.030	1	7526.610	1,2,4-Trimethylbenzene
11.208	1743456	VV	0.027	1	-17625.61	Naphthalene
6.060	1531	BV	0.079		15.310	* uncalibrated *
8.379	3845	VV	0.058		38.454	* uncalibrated *
8.457	4308	VB	0.043		43.077	* uncalibrated *
9.261	5831	VV	0.044		58.312	* uncalibrated *
9.551	9200	VV	0.037		92.001	* uncalibrated *
9.690	26872	VV	0.030		268.721	* uncalibrated *
9.885	10861	VV	0.039		108.607	* uncalibrated *
10.008	14439	VV	0.033		144.390	* uncalibrated *
10.450	2187	BV	0.081		21.870	* uncalibrated *
10.765	1389	PV	0.079		13.885	* uncalibrated *
10.852	1622	VV	0.072		16.223	* uncalibrated *
11.034	1941	VV	0.105		19.408	* uncalibrated *
11.302	3590	VV	0.052		35.899	* uncalibrated *

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\vp092705\010F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 10
Sample Name	: V 1000	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 27 Sep 05 01:25 PM	Instrument Method:	GAS1.MTH
Report Created on:	02 Dec 05 11:33 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

5030 CVS Raw Data

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp101105\004F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : G 500
Run Time Bar Code:
Acquired on : 11 Oct 05 09:10 AM
Report Created on: 11 Oct 05 10:01 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

465.50

Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\004F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.775	69464	BV	0.089	1	69.286	n-Pentane
3.869	88623	BV	0.131	1	15.741	2-Methylpentane
4.208	85806	VV	0.174	1	201.142	MTBE
6.302	68214	VV	0.113	1	13.102	2,2,4-Trimethylpentane
6.591	73368	VV	0.091	1	9.299	Benzene
7.922	216632	VV	0.070	1	22.996	Toluene
8.681	25881	VV	0.049	1	6.494	n-Nonane
8.839	224088	VV	0.071	1	21.906	EBenz, m-,p-Xylene
9.078	76060	VV	0.039	1	7.552	o-Xylene
9.401	111759	PV	0.044	1	430.494	BFB
9.759	124537	VV	0.057	1	13.255	1,2,4-Trimethylbenzene
11.208	21187	VV	0.056	1	4.999	Naphthalene
3.003	25352	VV	0.076		253.519	* uncalibrated *
3.203	47413	VV	0.116		474.133	* uncalibrated *
4.527	45244	VV	0.111		452.440	* uncalibrated *
4.847	29397	VV	0.178		293.969	* uncalibrated *
5.094	16975	VV	0.117		169.750	* uncalibrated *
5.214	15304	VV	0.109		153.035	* uncalibrated *
5.470	32179	VV	0.107		321.788	* uncalibrated *
5.788	2175	PV	0.092		21.755	* uncalibrated *
5.954	25204	VV	0.086		252.041	* uncalibrated *
6.082	58856	VV	0.142		588.563	* uncalibrated *
6.732	11123	VV	0.073		111.228	* uncalibrated *
6.820	8426	VV	0.070		84.259	* uncalibrated *
6.974	19948	VV	0.106		199.480	* uncalibrated *
7.114	13623	VV	0.070		136.229	* uncalibrated *
7.279	27770	VV	0.072		277.703	* uncalibrated *
7.385	43853	VV	0.076		438.533	* uncalibrated *
7.522	25623	VV	0.087		256.227	* uncalibrated *
7.791	16704	VV	0.066		167.036	* uncalibrated *
8.063	8859	VV	0.112		88.588	* uncalibrated *
8.373	13028	VV	0.069		130.275	* uncalibrated *
8.458	7708	VV	0.066		77.079	* uncalibrated *
9.262	5720	VV	0.040		57.199	* uncalibrated *
9.527	119380	VV	0.054		1193.798	* uncalibrated *
10.008	23899	VV	0.038		238.986	* uncalibrated *
10.106	54648	VV	0.073		546.483	* uncalibrated *
10.321	32358	VV	0.071		323.580	* uncalibrated *
10.442	15927	VV	0.079		159.265	* uncalibrated *
10.558	32164	VV	0.086		321.636	* uncalibrated *
10.762	21922	VV	0.079		219.221	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp101105\004F0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: G 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:10 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 10:01 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.853	12516	VV	0.049	125.155	* uncalibrated *
10.974	14817	VV	0.069	148.169	* uncalibrated *
11.055	9008	VV	0.069	90.081	* uncalibrated *
11.350	12591	VV	0.128	125.914	* uncalibrated *
11.530	10409	VV	0.070	104.089	* uncalibrated *
11.676	5689	VV	0.089	56.890	* uncalibrated *
11.769	7776	VV	0.076	77.758	* uncalibrated *
12.008	11461	VV	0.062	114.609	* uncalibrated *
12.259	4684	PV	0.090	46.836	* uncalibrated *
12.345	3293	VBA	0.053	32.928	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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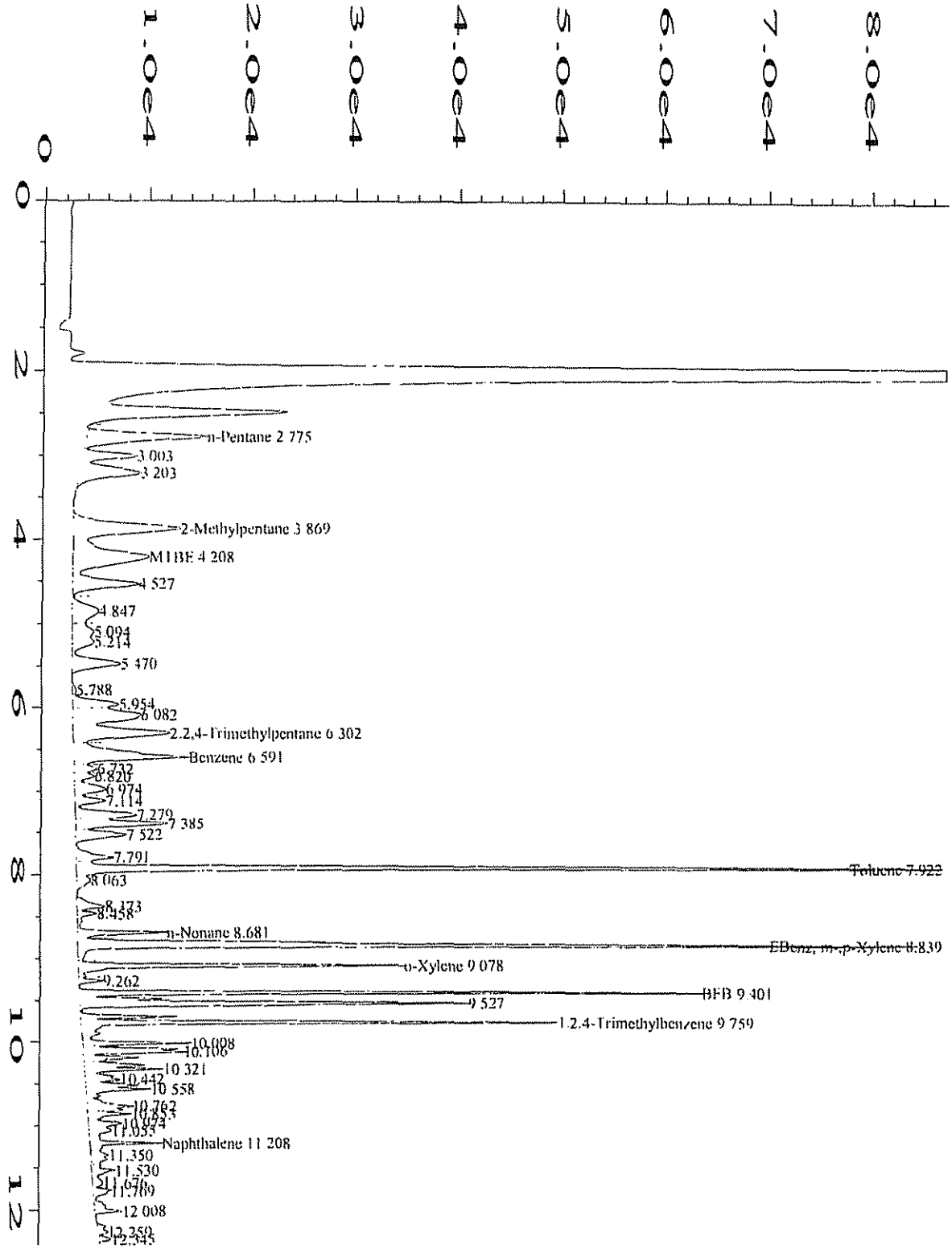

Data File Name	: C:\HPCHEM\1\DATA\vp101105\004F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 4
Sample Name	: G 500	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:10 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 10:01 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

5030 QC, Blanks Raw Data

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp101105\005F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : LCS4101105a x1
Run Time Bar Code:
Acquired on : 11 Oct 05 09:35 AM 455.72
Report Created on: 11 Oct 05 10:01 AM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\005F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.781	57034	BV	0.089	1	56.888	n-Pentane
3.871	83350	BV	0.131	1	14.804	2-Methylpentane
4.209	79417	VV	0.169	1	186.166	MTBE
6.303	66922	VV	0.113	1	12.854	2,2,4-Trimethylpentane
6.592	72382	VV	0.092	1	9.174	Benzene
7.922	217626	VV	0.041	1	23.101	Toluene
8.682	12139	VV	0.056	1	3.046	n-Nonane
8.840	220993	VV	0.074	1	21.603	EBenz, m-,p-Xylene
9.079	76359	VV	0.052	1	7.581	o-Xylene
9.402	111133	PV	0.044	1	428.085	BFB
9.759	118329	VV	0.070	1	12.594	1,2,4-Trimethylbenzene
11.209	14381	VV	0.057	1	3.393	Naphthalene
3.008	20968	PV	0.073		209.677	* uncalibrated *
3.206	37314	VB	0.115		373.140	* uncalibrated *
4.529	43694	VV	0.110		436.940	* uncalibrated *
4.847	27889	VV	0.174		278.888	* uncalibrated *
5.095	17279	VV	0.119		172.794	* uncalibrated *
5.216	14188	VV	0.107		141.883	* uncalibrated *
5.472	29516	VV	0.106		295.160	* uncalibrated *
5.788	2196	PV	0.093		21.955	* uncalibrated *
5.955	25744	VV	0.086		257.442	* uncalibrated *
6.085	58964	VV	0.142		589.645	* uncalibrated *
6.733	11212	VV	0.073		112.115	* uncalibrated *
6.821	8594	VV	0.064		85.941	* uncalibrated *
6.976	20518	VV	0.106		205.177	* uncalibrated *
7.115	14081	VV	0.071		140.807	* uncalibrated *
7.280	28473	VV	0.073		284.735	* uncalibrated *
7.386	44814	VV	0.076		448.144	* uncalibrated *
7.523	26395	VV	0.087		263.950	* uncalibrated *
7.792	16948	VV	0.076		169.478	* uncalibrated *
8.063	8765	VV	0.111		87.646	* uncalibrated *
8.375	13156	PV	0.068		131.563	* uncalibrated *
8.459	7682	VV	0.064		76.817	* uncalibrated *
9.262	5837	VV	0.039		58.370	* uncalibrated *
9.528	121280	VV	0.050		1212.798	* uncalibrated *
9.893	6220	VV	0.066		62.199	* uncalibrated *
10.009	23299	VV	0.036		232.989	* uncalibrated *
10.107	56423	VV	0.074		564.234	* uncalibrated *
10.321	33088	VV	0.072		330.877	* uncalibrated *
10.559	47958	VV	0.128		479.577	* uncalibrated *
10.764	21065	VV	0.070		210.650	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp101105\005F0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: LCS4101105a x1	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 11 Oct 05 09:35 AM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Oct 05 10:01 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.854	12724	VV	0.049	127.245	* uncalibrated *
10.977	27896	VV	0.122	278.961	* uncalibrated *
11.351	15740	VV	0.119	157.401	* uncalibrated *
11.532	8558	VV	0.079	85.578	* uncalibrated *
11.688	6525	VV	0.076	65.245	* uncalibrated *
11.765	8266	VV	0.069	82.659	* uncalibrated *
12.006	11576	VV	0.075	115.763	* uncalibrated *
12.261	3174	PV	0.073	31.745	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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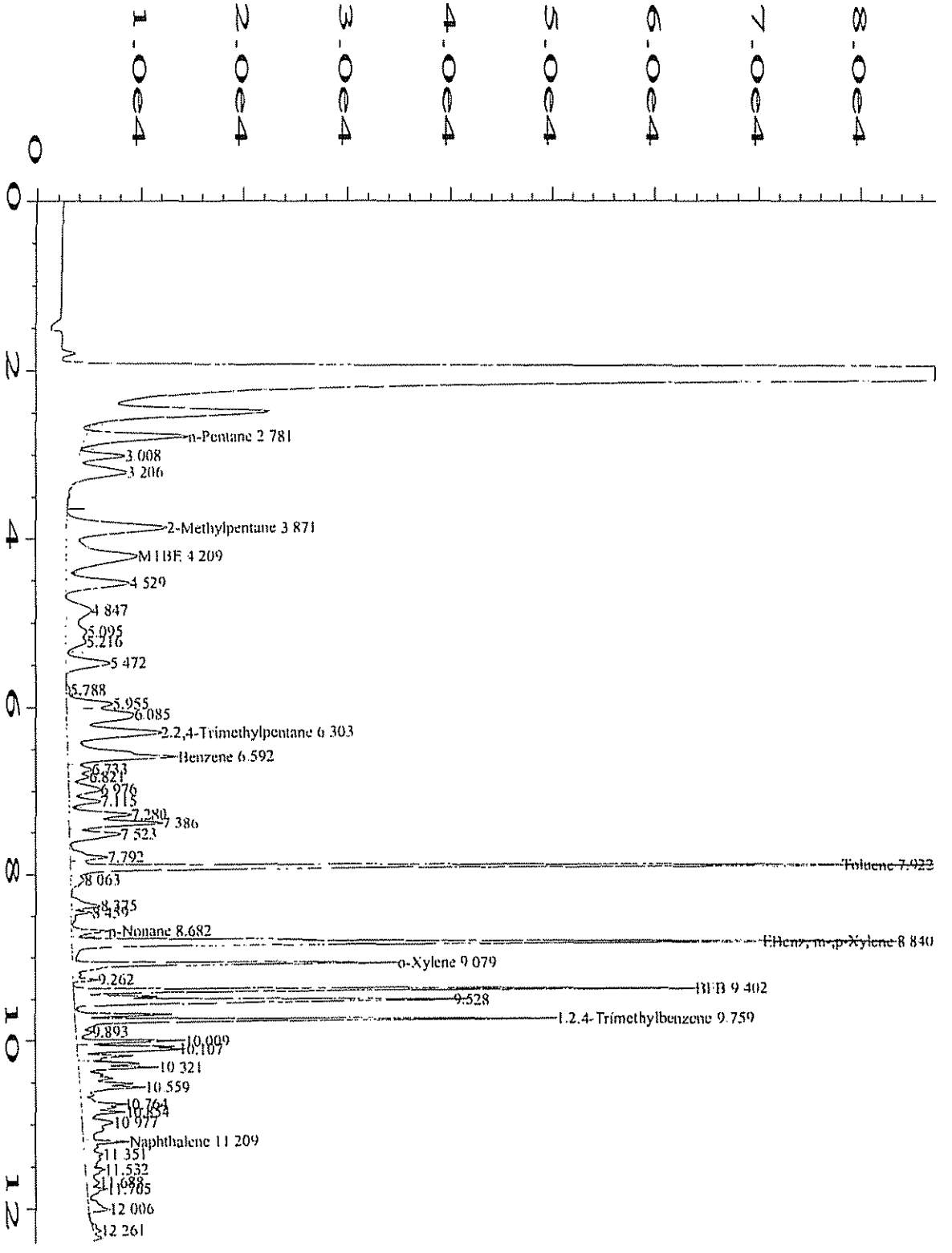

Data File Name	: C:\HPCHEM\1\DATA\vp101105\005F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: LCS4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:35 AM	Instrument Method	: GAS1.MTH
Report Created on:	11 Oct 05 10:01 AM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\005R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: LCS4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:35 AM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Oct 05 10:01 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp101105\005R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.820	60328	VV	0.128	1	9.620	n-Pentane
3.883	60000	VV	0.149	1	6.354	2-Methylpentane
4.271	89524	VV	0.158	1	2.970	MTBE
6.313	73595	VV	0.126	1	4.837	2,2,4-Trimethylpentane
6.603	195412	VV	0.080	1	2.456	Benzene
7.925	502944	VV	0.044	1	12.326	Toluene
8.684	6348	PV	0.055	1	0.935	n-Nonane
8.841	427807	VV	0.042	1	12.648	ethbzene/m,p-xylene
9.080	120630	VV	0.066	1	3.114	o-Xylene
9.404	512832	PV	0.035	1	34.516	BFB(pid)
9.760	164880	VV	0.036	1	5.370	1,2,4-Trimethylbenzene
11.208	27721	VV	0.056	1	1.584	Naphthalene(pid)
1.959	5974	BV	0.048		59.737	* uncalibrated *
2.050	47604	VV	0.077		476.043	* uncalibrated *
2.167	27037	VV	0.078		270.375	* uncalibrated *
2.518	67563	VV	0.130		675.628	* uncalibrated *
3.014	60807	VV	0.089		608.071	* uncalibrated *
3.209	96258	VV	0.137		962.576	* uncalibrated *
4.066	17778	VV	0.092		177.776	* uncalibrated *
4.515	35941	VV	0.138		359.413	* uncalibrated *
4.845	44312	VV	0.178		443.117	* uncalibrated *
5.091	13306	VV	0.095		133.064	* uncalibrated *
5.220	22315	VV	0.121		223.149	* uncalibrated *
5.481	15031	VV	0.115		150.306	* uncalibrated *
5.789	2441	PV	0.091		24.411	* uncalibrated *
6.079	65390	VV	0.141		653.896	* uncalibrated *
6.821	11756	VV	0.065		117.555	* uncalibrated *
6.989	15408	VV	0.095		154.080	* uncalibrated *
7.121	16297	VV	0.071		162.968	* uncalibrated *
7.286	28695	VV	0.070		286.946	* uncalibrated *
7.388	50021	VV	0.082		500.213	* uncalibrated *
7.528	24352	VV	0.091		243.520	* uncalibrated *
7.791	14018	VV	0.082		140.177	* uncalibrated *
8.367	10523	PV	0.080		105.229	* uncalibrated *
8.461	4613	VV	0.049		46.128	* uncalibrated *
8.541	1028	VV	0.052		10.277	* uncalibrated *
9.263	7769	VV	0.038		77.689	* uncalibrated *
9.528	192442	VV	0.053		1924.422	* uncalibrated *
9.690	28275	VV	0.034		282.747	* uncalibrated *
9.892	9710	VV	0.059		97.104	* uncalibrated *
10.009	35170	VV	0.035		351.698	* uncalibrated *

Data File Name	: C:\HPCHEM\1\DATA\vp101105\005R0101.D		
Operator	: DCS	Page Number	: 2
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: LCS4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:35 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 10:01 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

10.112	63123	VV	0.053	631.225	* uncalibrated *
10.181	20282	VV	0.044	202.820	* uncalibrated *
10.273	21126	VV	0.044	211.256	* uncalibrated *
10.322	22104	VV	0.033	221.036	* uncalibrated *
10.446	20484	VV	0.073	204.839	* uncalibrated *
10.516	18292	VV	0.039	182.916	* uncalibrated *
10.559	26482	VV	0.057	264.820	* uncalibrated *
10.645	3157	VV	0.036	31.567	* uncalibrated *
10.762	19183	VV	0.051	191.829	* uncalibrated *
10.797	9818	VV	0.035	98.175	* uncalibrated *
10.853	16521	VV	0.049	165.210	* uncalibrated *
10.979	33470	VV	0.105	334.698	* uncalibrated *
11.352	9286	VV	0.060	92.859	* uncalibrated *
11.406	9491	VV	0.073	94.909	* uncalibrated *
11.480	3351	VV	0.034	33.514	* uncalibrated *
11.565	11235	VV	0.072	112.353	* uncalibrated *
11.687	10193	VV	0.078	101.933	* uncalibrated *
11.762	12493	VV	0.056	124.928	* uncalibrated *
11.978	15515	VV	0.111	155.153	* uncalibrated *
12.261	4266	PV	0.071	42.665	* uncalibrated *
12.352	1284	PBA	0.028	12.841	* uncalibrated *

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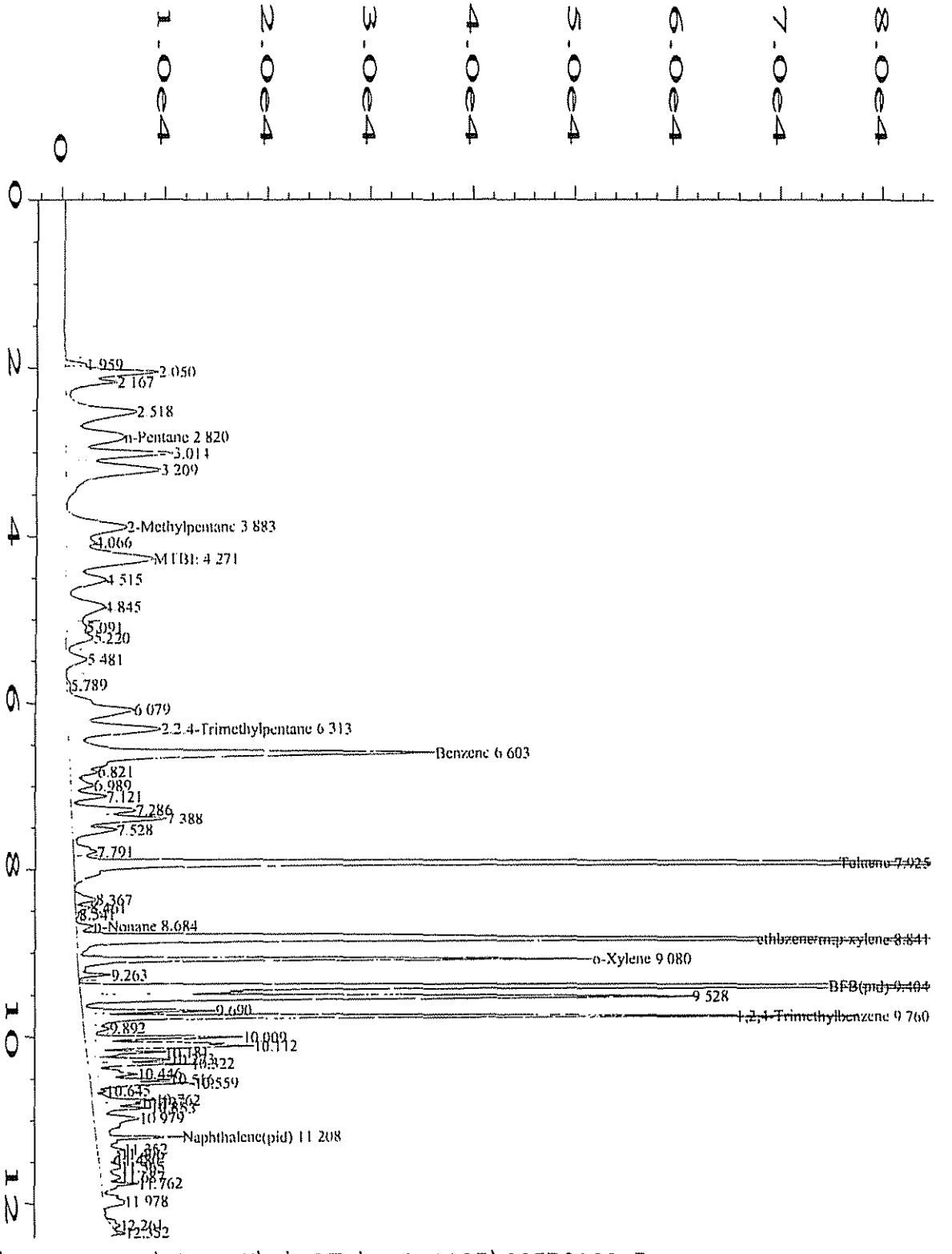


Data File Name	: C:\HPCHEM\1\DATA\vp101105\005R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 5
Sample Name	: LCS4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:35 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 10:01 AM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

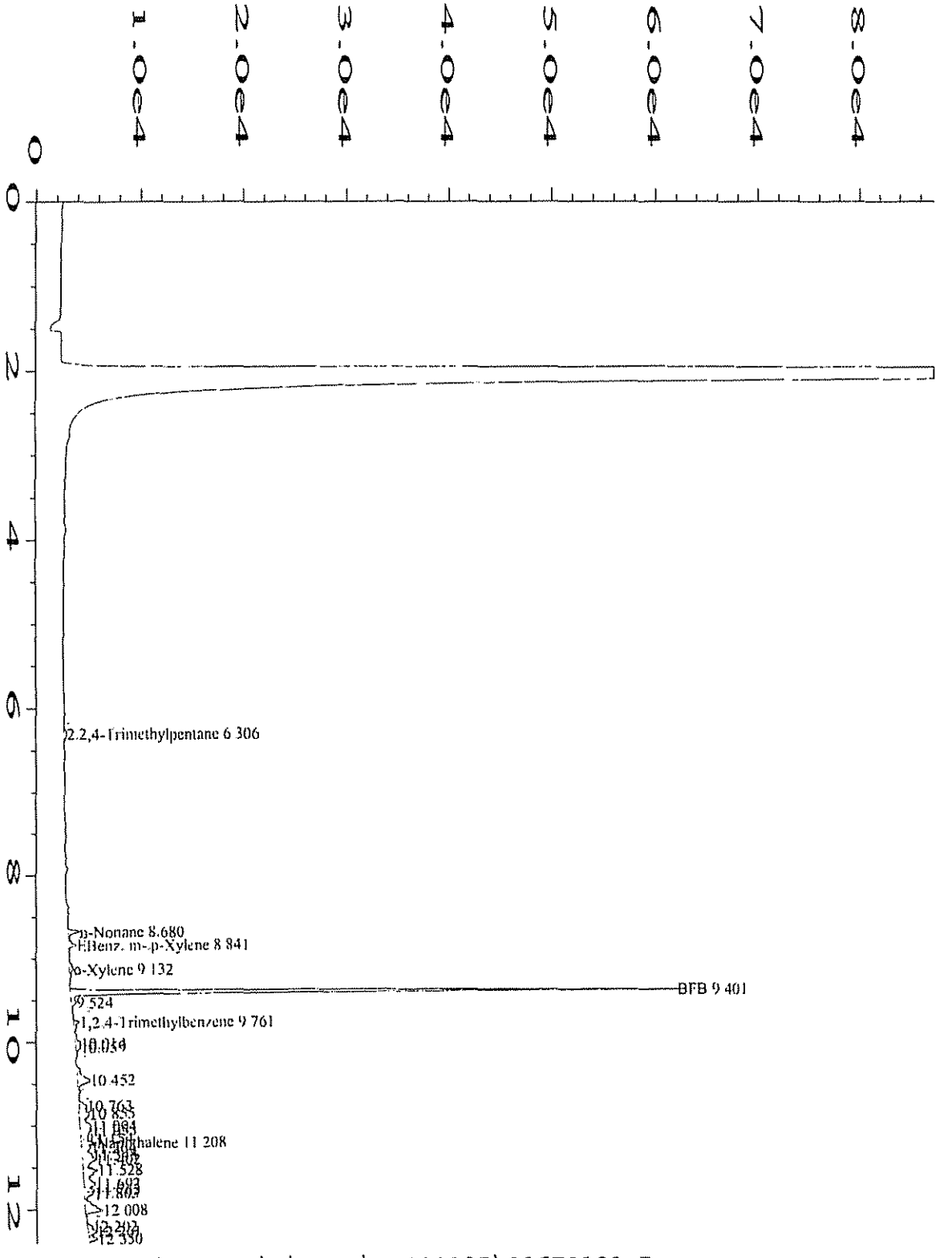
Data File Name	: C:\HPCHEM\1\DATA\vp101105\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: VBLK4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:59 AM	Instrument Method	: GAS1.MTH
Report Created on	: 11 Oct 05 03:07 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\006F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.778	* not found *			1		n-Pentane
3.864	* not found *			1		2-Methylpentane
4.282	* not found *			1		MTBE
6.306	1741	BB	0.088	1	0.334	2,2,4-Trimethylpentane
6.600	* not found *			1		Benzene
7.926	* not found *			1		Toluene
8.680	2762	BV	0.038	1	0.693	n-Nonane
8.841	2335	VB	0.045	1	0.228	EBenz, m-,p-Xylene
9.132	1498	VV	0.050	1	0.149	o-Xylene
9.401	108595	PV	0.028	1	418.309	BFB
9.761	1430	VV	0.035	1	0.152	1,2,4-Trimethylbenzene
11.208	3836	VV	0.036	1	0.905	Naphthalene
9.524	2020	VV	0.054		20.196	* uncalibrated *
10.014	2980	VV	0.072		29.805	* uncalibrated *
10.059	1800	VB	0.054		18.001	* uncalibrated *
10.452	7683	VV	0.085		76.830	* uncalibrated *
10.763	2707	PV	0.049		27.074	* uncalibrated *
10.855	6490	VV	0.081		64.897	* uncalibrated *
11.004	5702	VV	0.071		57.022	* uncalibrated *
11.053	5167	VV	0.061		51.669	* uncalibrated *
11.154	1881	VV	0.045		18.805	* uncalibrated *
11.264	3112	VV	0.050		31.121	* uncalibrated *
11.348	3545	VV	0.051		35.446	* uncalibrated *
11.402	6558	VV	0.068		65.582	* uncalibrated *
11.528	6530	VV	0.061		65.296	* uncalibrated *
11.692	5643	VV	0.073		56.432	* uncalibrated *
11.763	2489	VV	0.033		24.893	* uncalibrated *
11.803	3116	VV	0.047		31.156	* uncalibrated *
12.008	9288	VV	0.072		92.877	* uncalibrated *
12.202	1449	VV	0.042		14.492	* uncalibrated *
12.261	2662	VV	0.049		26.624	* uncalibrated *
12.350	2321	VBA	0.046		23.211	* uncalibrated *

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp101105\006F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: VBLK4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:59 AM	Instrument Method	: GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

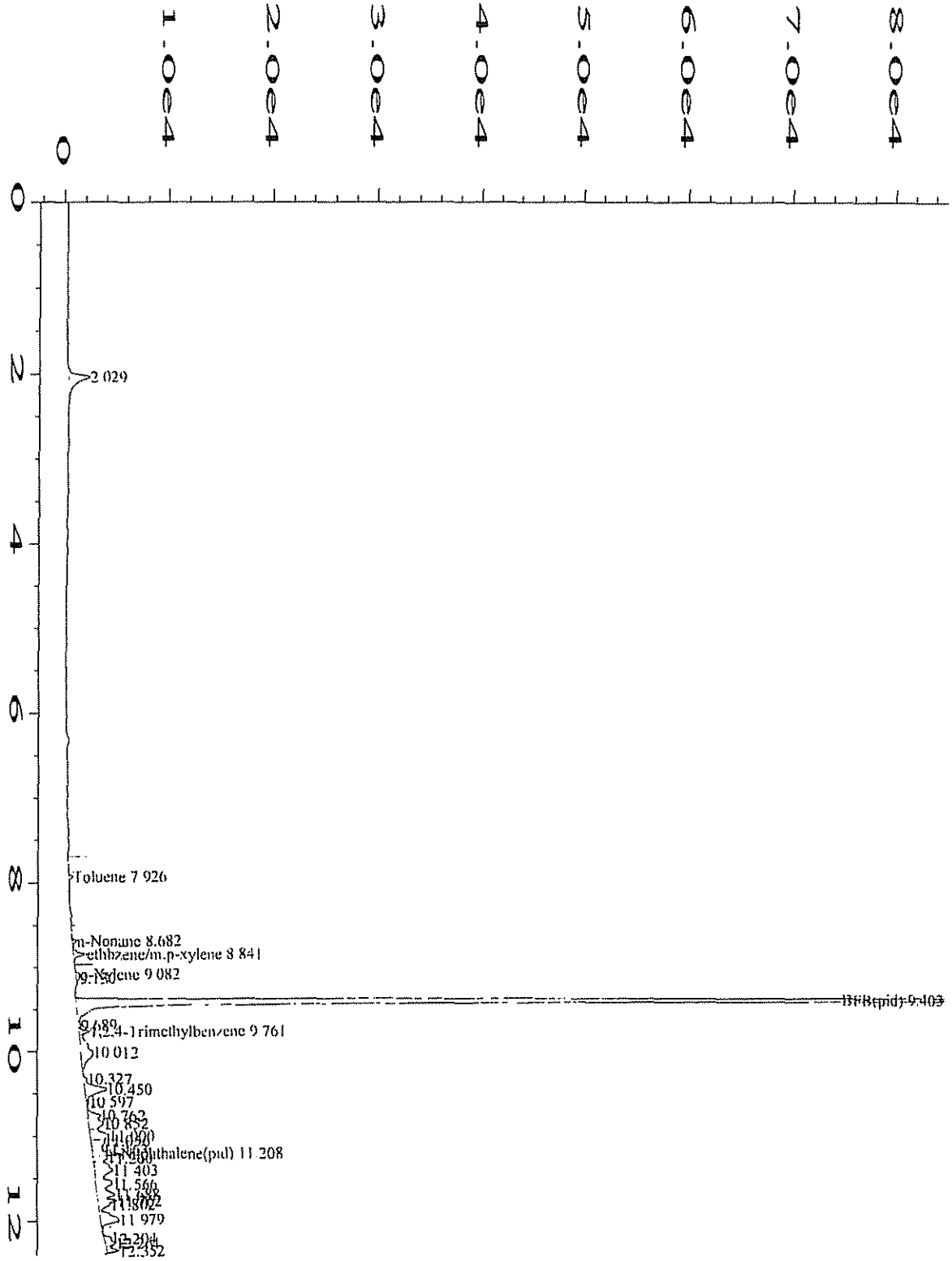
External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\006R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: VBLK4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:59 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp101105\006R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	* not found *			1		n-Pentane
3.878	* not found *			1		2-Methylpentane
4.267	* not found *			1		MTBE
6.312	* not found *			1		2,2,4-Trimethylpentane
6.603	* not found *			1		Benzene
7.926	1062	BB	0.043	1	0.0260	Toluene
8.682	918	BV	0.034	1	0.135	n-Nonane
8.841	3823	PB	0.042	1	0.113	ethbzene/m,p-xylene
9.082	1134	BV	0.038	1	0.0293	o-Xylene
9.403	480260	BV	0.033	1	32.324	BFB(pid)
9.761	2649	VV	0.037	1	0.0863	1,2,4-Trimethylbenzene
11.208	7083	VV	0.037	1	0.405	Naphthalene(pid)
2.029	12533	BV	0.083		125.328	* uncalibrated *
9.130	835	VV	0.039		8.353	* uncalibrated *
9.689	864	VV	0.055		8.636	* uncalibrated *
10.012	15645	VV	0.160		156.446	* uncalibrated *
10.327	1092	PV	0.044		10.920	* uncalibrated *
10.450	12895	VV	0.086		128.946	* uncalibrated *
10.597	439	VV	0.031		4.387	* uncalibrated *
10.762	4396	PV	0.053		43.960	* uncalibrated *
10.852	8925	VV	0.082		89.247	* uncalibrated *
11.000	10124	VV	0.082		101.235	* uncalibrated *
11.056	6265	VV	0.079		62.652	* uncalibrated *
11.163	2928	VV	0.046		29.282	* uncalibrated *
11.260	4429	VV	0.053		44.288	* uncalibrated *
11.403	15158	VV	0.109		151.576	* uncalibrated *
11.566	9120	VV	0.075		91.199	* uncalibrated *
11.688	9034	VV	0.071		90.341	* uncalibrated *
11.762	4608	VV	0.036		46.084	* uncalibrated *
11.802	3794	VV	0.053		37.944	* uncalibrated *
11.979	12649	VV	0.095		126.486	* uncalibrated *
12.204	1805	PV	0.037		18.053	* uncalibrated *
12.261	3567	VV	0.053		35.668	* uncalibrated *
12.352	3376	VBA	0.044		33.755	* uncalibrated *

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\vp101105\006R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 6
Sample Name	: VBLK4101105a x1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 09:59 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name : C:\HPCHEM\1\DATA\vp101105\008F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : g537-178-1a ms
Run Time Bar Code:
Acquired on : 11 Oct 05 10:48 AM 416.86
Report Created on: 11 Oct 05 03:07 PM 421.26
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\008F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.774	29439	BV	0.083	1	29.364	n-Pentane
3.870	59794	PV	0.118	1	10.620	2-Methylpentane
4.207	56602	VV	0.157	1	132.683	MTBE
6.304	59334	VV	0.112	1	11.396	2,2,4-Trimethylpentane
6.593	65575	VV	0.093	1	8.311	Benzene
7.922	201563	VV	0.040	1	21.396	Toluene
8.680	7681	VV	0.054	1	1.927	n-Nonane
8.839	207711	VV	0.060	1	20.305	EBenz, m-,p-Xylene
9.078	71491	VV	0.037	1	7.098	o-Xylene
9.401	108338	PV	0.030	1	417.319	BFB
9.758	98759	VV	0.033	1	10.511	1,2,4-Trimethylbenzene
11.208	9843	VV	0.045	1	2.323	Naphthalene
3.004	10661	PV	0.071		106.612	* uncalibrated *
3.203	13708	PV	0.076		137.079	* uncalibrated *
4.529	34845	VV	0.110		348.445	* uncalibrated *
4.844	21800	PV	0.169		217.995	* uncalibrated *
5.094	14711	VV	0.122		147.109	* uncalibrated *
5.214	10450	VV	0.102		104.503	* uncalibrated *
5.472	22870	VV	0.107		228.702	* uncalibrated *
5.789	2058	PV	0.093		20.576	* uncalibrated *
5.956	22856	VV	0.085		228.558	* uncalibrated *
6.084	52937	VV	0.124		529.367	* uncalibrated *
6.733	9963	VV	0.072		99.627	* uncalibrated *
6.821	7859	VV	0.064		78.585	* uncalibrated *
6.978	19272	VV	0.105		192.716	* uncalibrated *
7.114	13710	VV	0.071		137.104	* uncalibrated *
7.280	26663	VV	0.073		266.631	* uncalibrated *
7.386	42151	VV	0.075		421.511	* uncalibrated *
7.521	24767	VV	0.088		247.666	* uncalibrated *
7.792	15952	VV	0.063		159.516	* uncalibrated *
8.059	8260	VV	0.094		82.604	* uncalibrated *
8.376	12998	VV	0.062		129.984	* uncalibrated *
8.458	5769	VV	0.043		57.687	* uncalibrated *
8.541	1311	VV	0.048		13.107	* uncalibrated *
9.201	2893	VV	0.040		28.932	* uncalibrated *
9.262	5902	VV	0.038		59.023	* uncalibrated *
9.525	121865	VV	0.047		1218.652	* uncalibrated *
9.689	20519	VV	0.034		205.193	* uncalibrated *
9.890	2823	VV	0.043		28.232	* uncalibrated *
10.008	20526	PV	0.034		205.265	* uncalibrated *
10.112	42389	VV	0.053		423.894	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp101105\008F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : g537-178-1a ms
Run Time Bar Code:
Acquired on : 11 Oct 05 10:48 AM
Report Created on: 11 Oct 05 03:07 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.180	13883	VV	0.044	138.825	* uncalibrated *
10.271	14903	VV	0.040	149.029	* uncalibrated *
10.322	16837	VV	0.032	168.371	* uncalibrated *
10.400	5258	VV	0.043	52.575	* uncalibrated *
10.447	5105	VV	0.038	51.052	* uncalibrated *
10.516	12503	VV	0.039	125.030	* uncalibrated *
10.559	20375	VV	0.049	203.752	* uncalibrated *
10.643	4381	VV	0.038	43.814	* uncalibrated *
10.761	9320	VV	0.038	93.198	* uncalibrated *
10.800	7765	VV	0.041	77.654	* uncalibrated *
10.854	12617	VV	0.051	126.168	* uncalibrated *
10.966	16964	VV	0.070	169.644	* uncalibrated *
11.063	10897	VV	0.076	108.974	* uncalibrated *
11.159	8216	VV	0.064	82.164	* uncalibrated *
11.271	7363	VV	0.055	73.626	* uncalibrated *
11.354	9059	VV	0.057	90.590	* uncalibrated *
11.403	7552	VV	0.041	75.522	* uncalibrated *
11.477	10598	VV	0.050	105.981	* uncalibrated *
11.530	11414	VV	0.076	114.136	* uncalibrated *
11.762	31384	VV	0.108	313.842	* uncalibrated *
11.911	5997	VV	0.048	59.974	* uncalibrated *
11.995	8864	VV	0.072	88.636	* uncalibrated *
12.203	7781	PV	0.052	77.813	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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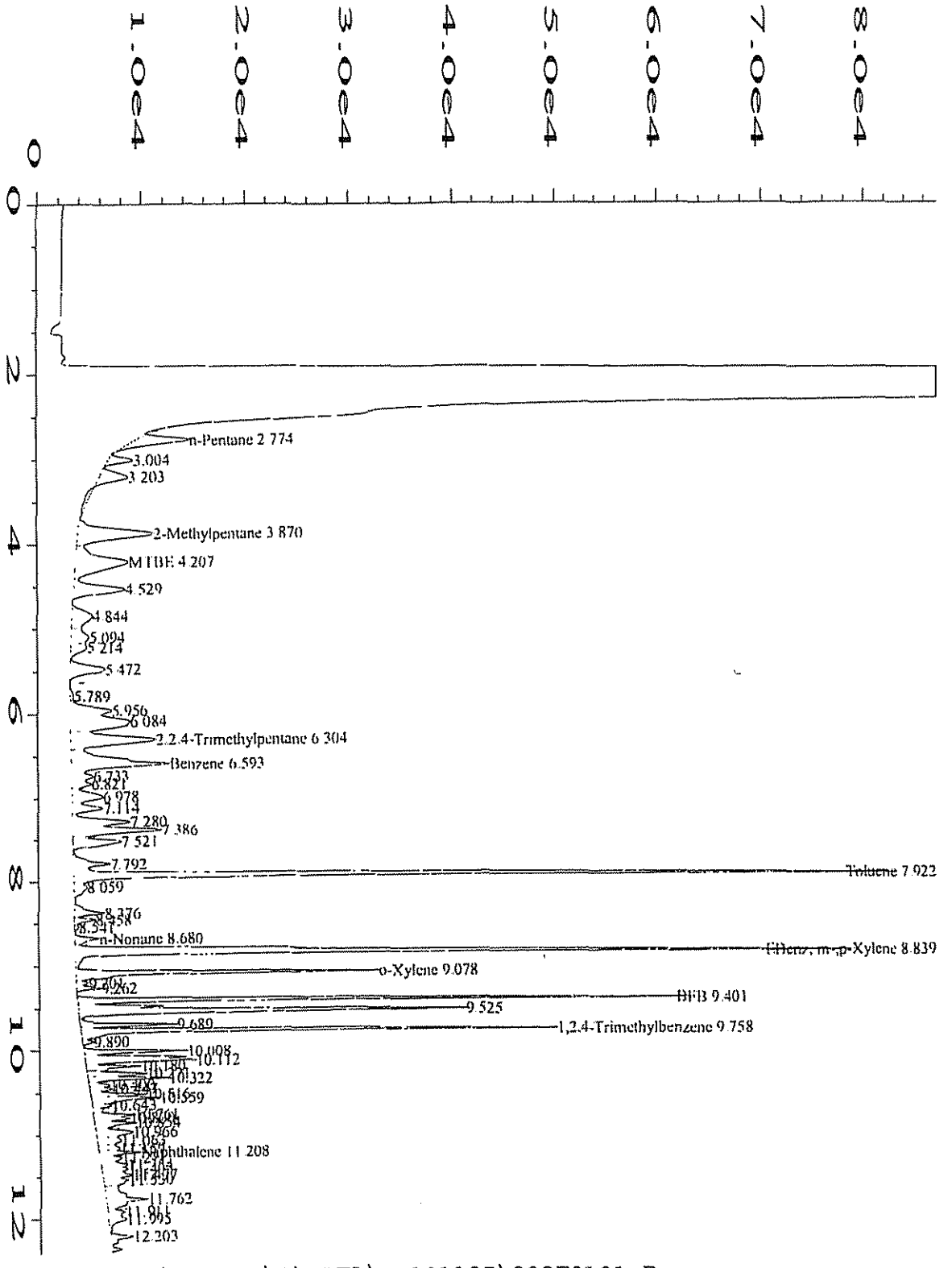

Data File Name	: C:\HPCHEM\1\DATA\vp101105\008F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: g537-178-1a ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 10:48 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: g537-178-1a ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 10:48 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp101105\008R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.829	42165	VV	0.135	1	6.724	n-Pentane
3.885	50582	VV	0.153	1	5.356	2-Methylpentane
4.275	73635	VV	0.167	1	2.443	MTBE
6.315	70401	VV	0.127	1	4.627	2,2,4-Trimethylpentane
6.604	180331	VV	0.082	1	2.267	Benzene
7.925	469211	VV	0.045	1	11.499	Toluene
8.682	4687	PV	0.057	1	0.690	n-Nonane
8.841	400473	VV	0.042	1	11.840	ethbzene/m,p-xylene
9.079	112781	VV	0.049	1	2.912	o-Xylene
9.403	501439	PV	0.035	1	33.749	BFB(pid)
9.759	162044	VV	0.036	1	5.278	1,2,4-Trimethylbenzene
11.208	24699	VV	0.060	1	1.411	Naphthalene(pid)
2.122	185546	BV	0.108		1855.456	* uncalibrated *
2.510	45877	VV	0.146		458.768	* uncalibrated *
3.013	43719	VV	0.091		437.186	* uncalibrated *
3.207	70524	VV	0.155		705.240	* uncalibrated *
4.066	14414	VV	0.090		144.137	* uncalibrated *
4.516	31576	VV	0.141		315.759	* uncalibrated *
4.844	37651	VV	0.172		376.513	* uncalibrated *
5.093	13191	VV	0.103		131.914	* uncalibrated *
5.220	18740	VV	0.122		187.402	* uncalibrated *
5.483	12801	VV	0.115		128.009	* uncalibrated *
5.789	2092	PV	0.096		20.922	* uncalibrated *
6.080	61636	VV	0.159		616.361	* uncalibrated *
6.821	11008	VV	0.065		110.082	* uncalibrated *
6.989	15890	VV	0.096		158.904	* uncalibrated *
7.121	17736	VV	0.074		177.363	* uncalibrated *
7.287	28849	VV	0.070		288.494	* uncalibrated *
7.389	50646	VV	0.083		506.459	* uncalibrated *
7.528	24760	VV	0.092		247.602	* uncalibrated *
7.791	14976	VV	0.084		149.762	* uncalibrated *
8.369	11518	VV	0.082		115.176	* uncalibrated *
8.460	5030	VV	0.049		50.302	* uncalibrated *
9.202	2072	VV	0.038		20.725	* uncalibrated *
9.263	7768	VV	0.039		77.682	* uncalibrated *
9.527	190065	VV	0.053		1900.654	* uncalibrated *
9.689	28035	VV	0.035		280.346	* uncalibrated *
9.890	3889	VV	0.045		38.895	* uncalibrated *
10.008	28667	VV	0.032		286.674	* uncalibrated *
10.112	61444	VV	0.052		614.440	* uncalibrated *
10.180	18756	VV	0.042		187.557	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp101105\008R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : g537-178-1a ms
Run Time Bar Code:
Acquired on : 11 Oct 05 10:48 AM
Report Created on: 11 Oct 05 03:07 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.272	19268	VV	0.042	192.684	* uncalibrated *
10.322	20495	VV	0.032	204.946	* uncalibrated *
10.402	4428	VV	0.038	44.283	* uncalibrated *
10.447	6351	VV	0.038	63.507	* uncalibrated *
10.517	17353	VV	0.037	173.532	* uncalibrated *
10.559	28189	VV	0.058	281.895	* uncalibrated *
10.643	3835	VV	0.036	38.348	* uncalibrated *
10.698	1702	VV	0.034	17.019	* uncalibrated *
10.762	12202	VV	0.038	122.015	* uncalibrated *
10.799	9665	VV	0.040	96.647	* uncalibrated *
10.854	14352	VV	0.047	143.517	* uncalibrated *
10.969	22357	VV	0.073	223.572	* uncalibrated *
11.069	13117	VV	0.062	131.167	* uncalibrated *
11.270	9479	VV	0.054	94.791	* uncalibrated *
11.355	12127	VV	0.056	121.266	* uncalibrated *
11.403	10103	VV	0.042	101.029	* uncalibrated *
11.478	14630	VV	0.053	146.297	* uncalibrated *
11.561	18090	VV	0.080	180.895	* uncalibrated *
11.761	44369	VV	0.095	443.688	* uncalibrated *
11.910	9948	VV	0.054	99.481	* uncalibrated *
11.986	13301	VV	0.075	133.010	* uncalibrated *
12.203	12782	PV	0.052	127.824	* uncalibrated *
12.354	1311	PBA	0.022	13.107	* uncalibrated *

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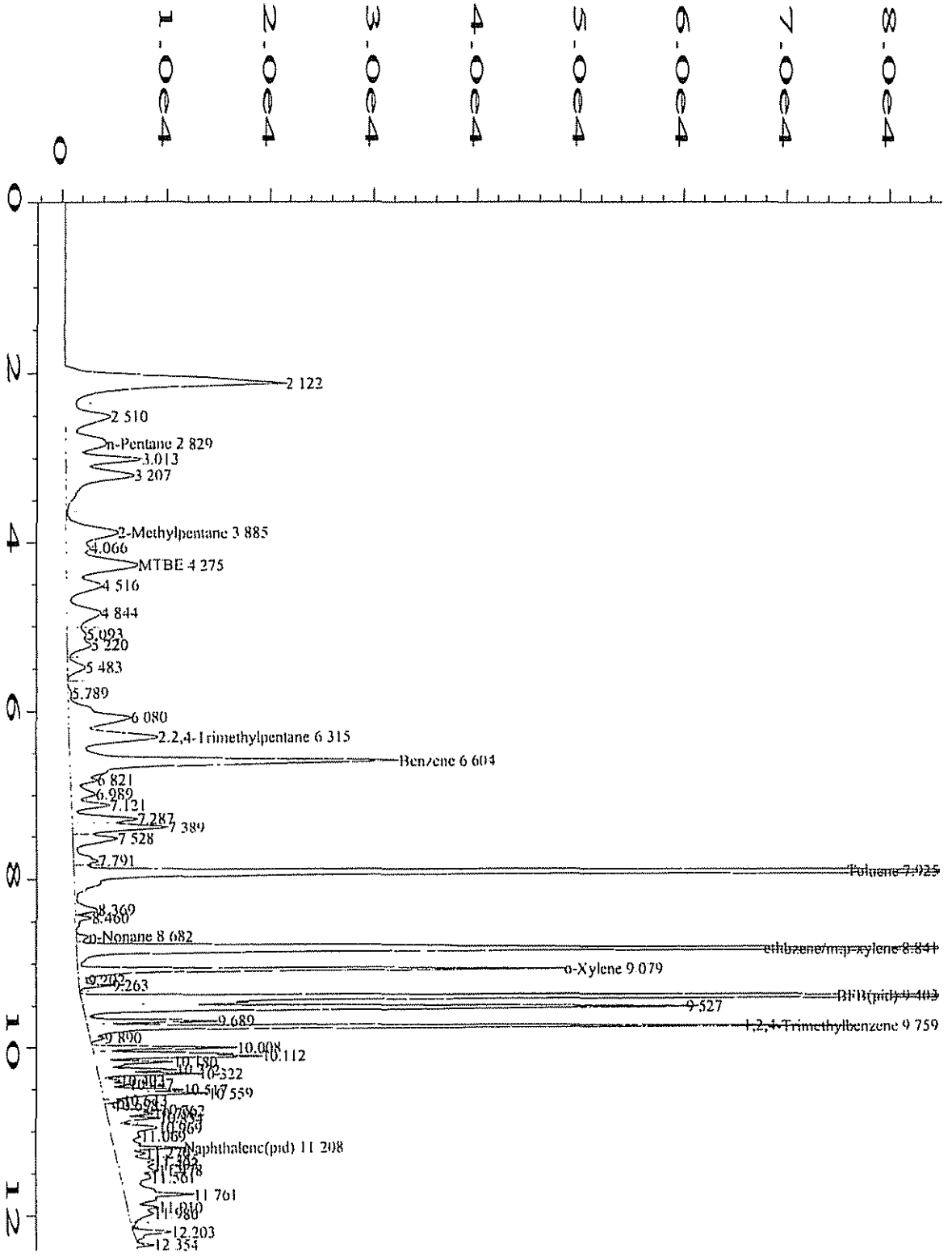

Data File Name	: C:\HPCHEM\1\DATA\vp101105\008R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 8
Sample Name	: g537-178-1a ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 10:48 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:07 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\009F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: g537-178-1a msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:08 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 1 in C:\HPCHEM\1\DATA\vp101105\009F0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.771	29130	BV	0.084	1	29.056	n-Pentane
3.871	57895	VV	0.121	1	10.283	2-Methylpentane
4.208	57617	VV	0.162	1	135.063	MTBE
6.304	60029	VV	0.112	1	11.530	2,2,4-Trimethylpentane
6.593	66344	VV	0.093	1	8.408	Benzene
7.922	202810	VV	0.040	1	21.529	Toluene
8.680	7926	VV	0.054	1	1.989	n-Nonane
8.840	209716	VV	0.059	1	20.501	EBenz, m-,p-Xylene
9.079	72672	VV	0.047	1	7.215	o-Xylene
9.402	108662	PV	0.030	1	418.565	BFB
9.759	99679	VV	0.045	1	10.609	1,2,4-Trimethylbenzene
11.209	9625	VV	0.035	1	2.271	Naphthalene
3.002	11635	PV	0.068		116.352	* uncalibrated *
3.203	15383	PV	0.084		153.835	* uncalibrated *
3.728	1671	PV	0.035		16.706	* uncalibrated *
4.530	34982	VV	0.107		349.820	* uncalibrated *
4.846	21811	PV	0.165		218.113	* uncalibrated *
5.096	14893	VV	0.121		148.932	* uncalibrated *
5.214	10674	VV	0.102		106.737	* uncalibrated *
5.472	23747	VV	0.105		237.474	* uncalibrated *
5.790	1985	PV	0.095		19.852	* uncalibrated *
5.956	22906	VV	0.085		229.064	* uncalibrated *
6.085	53599	VV	0.144		535.994	* uncalibrated *
6.733	9936	VV	0.072		99.356	* uncalibrated *
6.822	7784	VV	0.063		77.838	* uncalibrated *
6.978	19251	VV	0.104		192.514	* uncalibrated *
7.115	13652	VV	0.070		136.517	* uncalibrated *
7.280	26814	VV	0.072		268.143	* uncalibrated *
7.387	42715	VV	0.075		427.150	* uncalibrated *
7.522	25215	VV	0.088		252.145	* uncalibrated *
7.792	15982	VV	0.062		159.821	* uncalibrated *
8.058	8425	VV	0.093		84.246	* uncalibrated *
8.377	13595	VV	0.062		135.954	* uncalibrated *
8.458	6264	VV	0.044		62.645	* uncalibrated *
8.541	1398	VV	0.052		13.984	* uncalibrated *
9.201	3073	VV	0.040		30.735	* uncalibrated *
9.262	5907	VV	0.038		59.070	* uncalibrated *
9.526	122640	VV	0.054		1226.395	* uncalibrated *
9.690	20669	VV	0.034		206.689	* uncalibrated *
9.891	3098	VV	0.046		30.975	* uncalibrated *
10.009	20759	PV	0.032		207.589	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp101105\009F0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : g537-178-1a msd
Run Time Bar Code:
Acquired on : 11 Oct 05 11:13 AM
Report Created on: 11 Oct 05 03:08 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : VPH_FID.MTH
Sample Amount : 0
ISTD Amount :

10.113	42175	VV	0.053	421.752	* uncalibrated *
10.181	14055	VV	0.043	140.551	* uncalibrated *
10.272	14986	VV	0.043	149.862	* uncalibrated *
10.322	16913	VV	0.033	169.132	* uncalibrated *
10.401	5266	VV	0.043	52.657	* uncalibrated *
10.447	4925	VV	0.037	49.252	* uncalibrated *
10.517	11640	VV	0.037	116.400	* uncalibrated *
10.559	20519	VV	0.049	205.191	* uncalibrated *
10.644	4250	VV	0.038	42.496	* uncalibrated *
10.697	2552	VV	0.043	25.518	* uncalibrated *
10.761	9386	VV	0.038	93.860	* uncalibrated *
10.800	7444	VV	0.036	74.440	* uncalibrated *
10.854	11914	VV	0.048	119.139	* uncalibrated *
10.968	16520	VV	0.069	165.198	* uncalibrated *
11.067	9932	VV	0.067	99.315	* uncalibrated *
11.160	7270	VV	0.061	72.699	* uncalibrated *
11.271	6279	VV	0.053	62.788	* uncalibrated *
11.354	9019	VV	0.060	90.186	* uncalibrated *
11.403	6526	VV	0.038	65.256	* uncalibrated *
11.478	9907	VV	0.056	99.073	* uncalibrated *
11.531	10423	VV	0.073	104.230	* uncalibrated *
11.763	30220	VV	0.086	302.205	* uncalibrated *
11.911	7267	VV	0.051	72.671	* uncalibrated *
11.993	6725	VV	0.064	67.250	* uncalibrated *
12.204	8163	PV	0.051	81.628	* uncalibrated *

Calibration table contains at least one peak with amt = 0

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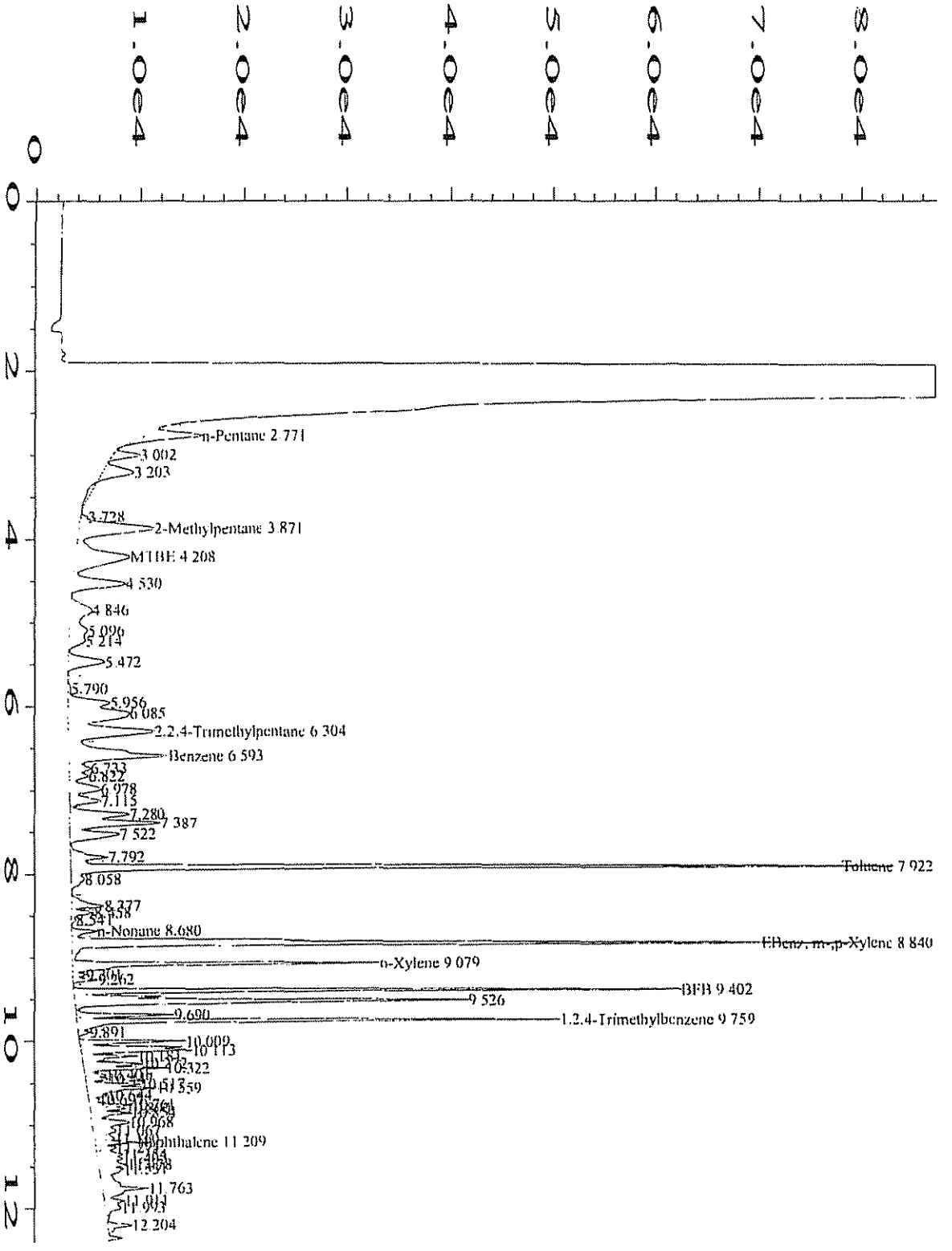

Data File Name	: C:\HPCHEM\1\DATA\vp101105\009F0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: g537-178-1a msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:08 PM	Analysis Method	: VPH_FID.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

External Standard Report

Data File Name	: C:\HPCHEM\1\DATA\vp101105\009R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: g537-178-1a msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:08 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

Sig. 2 in C:\HPCHEM\1\DATA\vp101105\009R0101.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
2.821	44939	VV	0.143	1	7.166	n-Pentane
3.883	52075	VV	0.139	1	5.515	2-Methylpentane
4.279	78163	VV	0.165	1	2.593	MTBE
6.315	69859	VV	0.127	1	4.591	2,2,4-Trimethylpentane
6.604	182018	VV	0.082	1	2.288	Benzene
7.925	468290	VV	0.045	1	11.477	Toluene
8.683	5029	PV	0.057	1	0.741	n-Nonane
8.841	404079	VV	0.042	1	11.946	ethbzene/m,p-xylene
9.080	114727	VV	0.049	1	2.962	o-Xylene
9.404	502357	PV	0.035	1	33.811	BFB(pid)
9.760	164506	VV	0.036	1	5.358	1,2,4-Trimethylbenzene
11.209	23625	VV	0.056	1	1.350	Naphthalene(pid)
2.136	211641	BV	0.113		2116.413	* uncalibrated *
2.506	48463	VV	0.139		484.630	* uncalibrated *
3.013	47314	VV	0.090		473.141	* uncalibrated *
3.206	76686	VV	0.153		766.858	* uncalibrated *
4.065	14613	VV	0.090		146.125	* uncalibrated *
4.517	32274	VV	0.142		322.741	* uncalibrated *
4.843	38742	VV	0.173		387.424	* uncalibrated *
5.094	12827	VV	0.101		128.267	* uncalibrated *
5.220	19365	VV	0.123		193.654	* uncalibrated *
5.483	13390	VV	0.116		133.900	* uncalibrated *
5.795	2255	PV	0.095		22.547	* uncalibrated *
6.080	61587	VV	0.143		615.868	* uncalibrated *
6.821	11242	VV	0.065		112.423	* uncalibrated *
6.988	15820	VV	0.094		158.198	* uncalibrated *
7.121	17438	VV	0.073		174.380	* uncalibrated *
7.287	28558	VV	0.070		285.582	* uncalibrated *
7.389	50088	VV	0.083		500.881	* uncalibrated *
7.529	24613	VV	0.093		246.131	* uncalibrated *
7.791	14760	VV	0.083		147.598	* uncalibrated *
8.370	11970	VV	0.082		119.702	* uncalibrated *
8.461	5422	VV	0.049		54.222	* uncalibrated *
9.202	2215	VV	0.039		22.153	* uncalibrated *
9.263	7876	VV	0.039		78.761	* uncalibrated *
9.528	191930	VV	0.053		1919.302	* uncalibrated *
9.690	28470	VV	0.035		284.696	* uncalibrated *
9.890	4255	VV	0.044		42.553	* uncalibrated *
10.009	29044	PV	0.032		290.441	* uncalibrated *
10.112	61422	VV	0.052		614.218	* uncalibrated *
10.181	19108	VV	0.041		191.083	* uncalibrated *

Data File Name : C:\HPCHEM\1\DATA\vp101105\009R0101.D
Operator : DCS
Instrument : FID/PID
Sample Name : g537-178-1a msd
Run Time Bar Code:
Acquired on : 11 Oct 05 11:13 AM
Report Created on: 11 Oct 05 03:08 PM
Last Recalib on : 24 AUG 04 09:09 AM
Multiplier : 1

Page Number : 2
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: GAS1.MTH
Analysis Method : vph_pid.MTH
Sample Amount : 0
ISTD Amount :

10.273	19544	VV	0.042	195.444	* uncalibrated *
10.322	20705	VV	0.032	207.050	* uncalibrated *
10.403	4580	VV	0.037	45.797	* uncalibrated *
10.447	6217	VV	0.038	62.168	* uncalibrated *
10.518	16242	VV	0.035	162.424	* uncalibrated *
10.560	28643	VV	0.058	286.425	* uncalibrated *
10.644	3729	VV	0.036	37.289	* uncalibrated *
10.762	14069	VV	0.043	140.692	* uncalibrated *
10.800	9366	VV	0.040	93.664	* uncalibrated *
10.854	13583	VV	0.045	135.828	* uncalibrated *
10.970	21613	VV	0.071	216.134	* uncalibrated *
11.071	11793	VV	0.061	117.933	* uncalibrated *
11.270	8089	VV	0.045	80.889	* uncalibrated *
11.355	11524	VV	0.056	115.242	* uncalibrated *
11.403	9351	VV	0.042	93.513	* uncalibrated *
11.479	13566	VV	0.059	135.659	* uncalibrated *
11.560	14000	VV	0.084	139.998	* uncalibrated *
11.762	46320	VV	0.078	463.200	* uncalibrated *
11.910	11832	VV	0.048	118.322	* uncalibrated *
11.983	10664	VV	0.068	106.635	* uncalibrated *
12.204	13543	PV	0.051	135.428	* uncalibrated *
12.356	1434	PBA	0.019	14.340	* uncalibrated *

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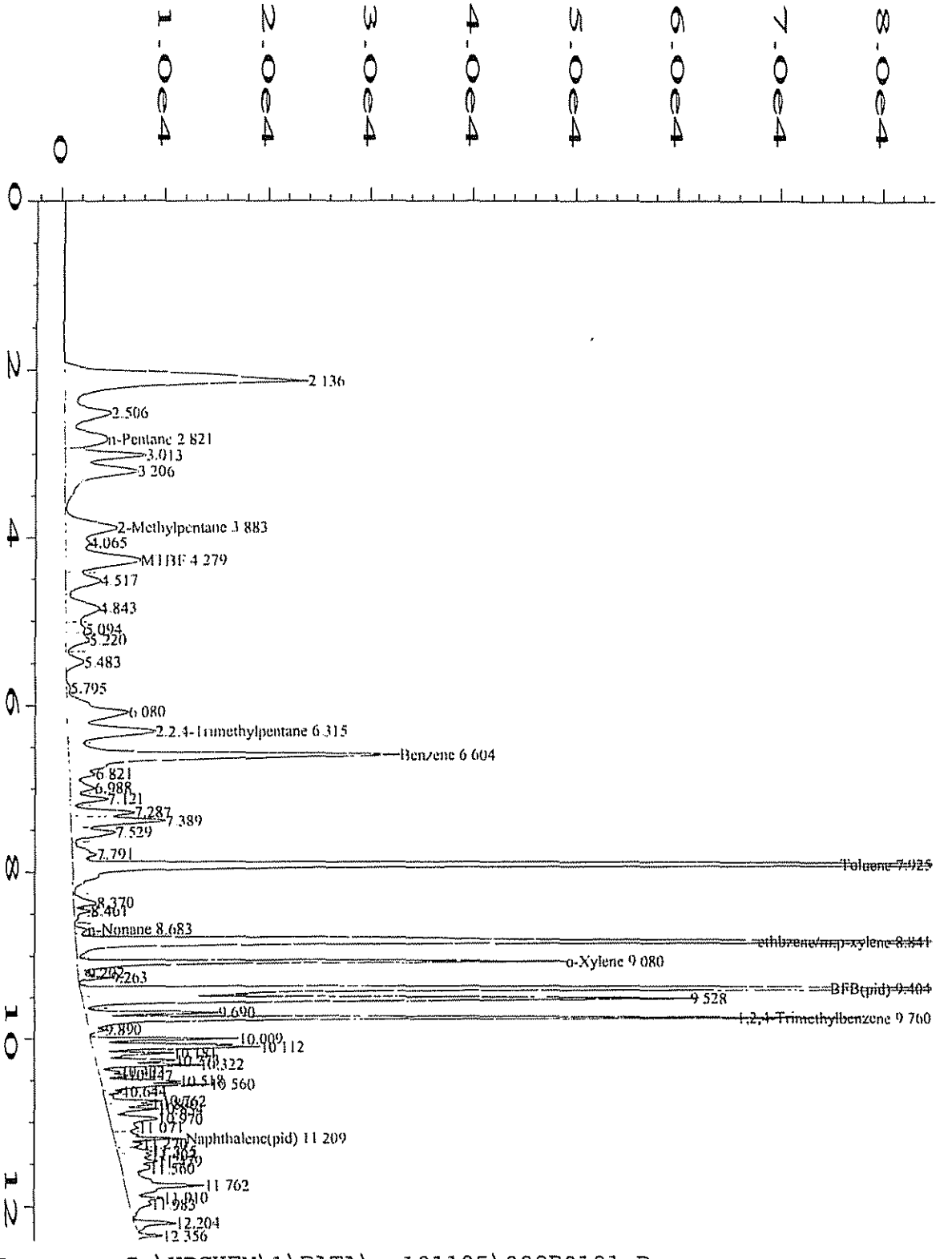


Data File Name	: C:\HPCHEM\1\DATA\vp101105\009R0101.D		
Operator	: DCS	Page Number	: 1
Instrument	: FID/PID	Vial Number	: 9
Sample Name	: g537-178-1a msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 11 Oct 05 11:13 AM	Instrument Method:	GAS1.MTH
Report Created on:	11 Oct 05 03:08 PM	Analysis Method	: vph_pid.MTH
Last Recalib on	: 24 AUG 04 09:09 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	:

5030 Prep, Standard, Run Logs

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve:

Matrix: Water/Soil

Batch: vp101005

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
023F0101.D	g311-161-2e x1	10/10/05 20:26	X20 modest			DCS		
024F0101.D	g311-161-3e x1	10/10/05 20:51	x1 RR c/o			DCS		
025F0101.D	g311-161-4e x1	10/10/05 21:15	✓	✓	✓	DCS	✓	✓
026F0101.D	g311-161-5e x1	10/10/05 21:40				DCS		
027F0101.D	g349-123-1a x1	10/10/05 22:05				DCS		
028F0101.D	g349-123-2a x1	10/10/05 22:29				DCS		
029F0101.D	g349-123-3a x1	10/10/05 22:54				DCS		
030F0101.D	g349-123-5a x1	10/10/05 23:19				DCS		
031F0101.D	g510-260-1d x1	10/10/05 23:43				DCS		

Analyst: mjl

Page Number:

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical

GC4 VPH Runlog Sheet

Method: VPH/5030 GRO

Initial Cal. Curve:

Matrix: Water/Soil

Batch: vp101005

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	F	R
001F0101.D	B	10/10/05 9:09				DCS		
002F0101.D	V 500	10/10/05 9:33	✓	✓	✓	DCS	✓	✓
003F0101.D	B	10/10/05 9:58				DCS		
004F0101.D	G 500	10/10/05 10:23	✓			DCS		
005F0101.D	LCS4101005a x1	10/10/05 10:47	✓			DCS		
006F0101.D	VBLK4101005a x1	10/10/05 11:12	✓			DCS		
007F0101.D	g442-357-10a x1	10/10/05 12:11	✓			DCS		
008F0101.D	g161-2185-1a x1	10/10/05 12:36	✓			DCS		
009F0101.D	G161-2185-1A x1 ms	10/10/05 13:00	cid= 168494 ✓			DCS		
010F0101.D	G161-2185-1A x1 msd	10/10/05 13:25	cid= 168494 ✓			DCS		
011F0101.D	b	10/10/05 13:50				DCS		
012F0101.D	g204-492-5d x4	10/10/05 15:56	✓	✓	✓	DCS	✓	✓
013F0101.D	g311-158-3e x10	10/10/05 16:20				DCS		
014F0101.D	g311-158-4e x50	10/10/05 16:45				DCS		
015F0101.D	G311-158-4E x50 dup	10/10/05 17:09	cid= 167220 ✓			DCS		
016F0101.D	b	10/10/05 17:34				DCS		
017F0101.D	g537-178-3a x2	10/10/05 17:59	✓	✓	✓	DCS	✓	✓
018F0101.D	g537-178-3a x1	10/10/05 18:23	use X2			DCS		
019F0101.D	g537-179-1a x1	10/10/05 18:48	✓	✓	✓	DCS	✓	✓
020F0101.D	g537-178-4a x10	10/10/05 19:13	X100 needed			DCS		
021F0101.D	g537-178-1a x10	10/10/05 19:37	X1 RR			DCS		
022F0101.D	g537-178-2a x10	10/10/05 20:02	✓	✓	✓	DCS	✓	✓

Analyst: mgl

Page Number:

N.C. Certification #481 S.C. Certification #99029

Volatiles Standard Logbook # 6
Paradigm Analytical

Working Standard

ID: GasComp-CURVE-7-060105

referring page	Item	Lot Number	Components	Vendor	initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A031854	Gas Composite	Restek	2500	480	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 6/1/05
Expires: 6/1/06

Comments:

Notes:
Lot # format is "xxx-yyy-mmddyyz" where xxx is the logbook number, yyy is the page number, mmddyy is the date, and z is an additional identifier

Page:

Volatiles Standard Logbook # 6
Paradigm Analytical

Working Standard

ID: GasComp-QC-7-060105

referring page	Item	Lot Number	Components	Vendor	Initial conc. (ppm)	uL/3mL	final conc (ppm)
	1	A031853	Gas Composite	Restek	2500	480	400
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	10						

Calculations:

Prep: 6/1/05
Expires: 6/1/06

Comments:

Notes:
Lot # format is "xxx-yyy-mmddyyz" where xxx is the logbook number, yyy is the page number, mmddyy is the date, and z is an additional identifier

Page:

601/602 Sample Raw Data

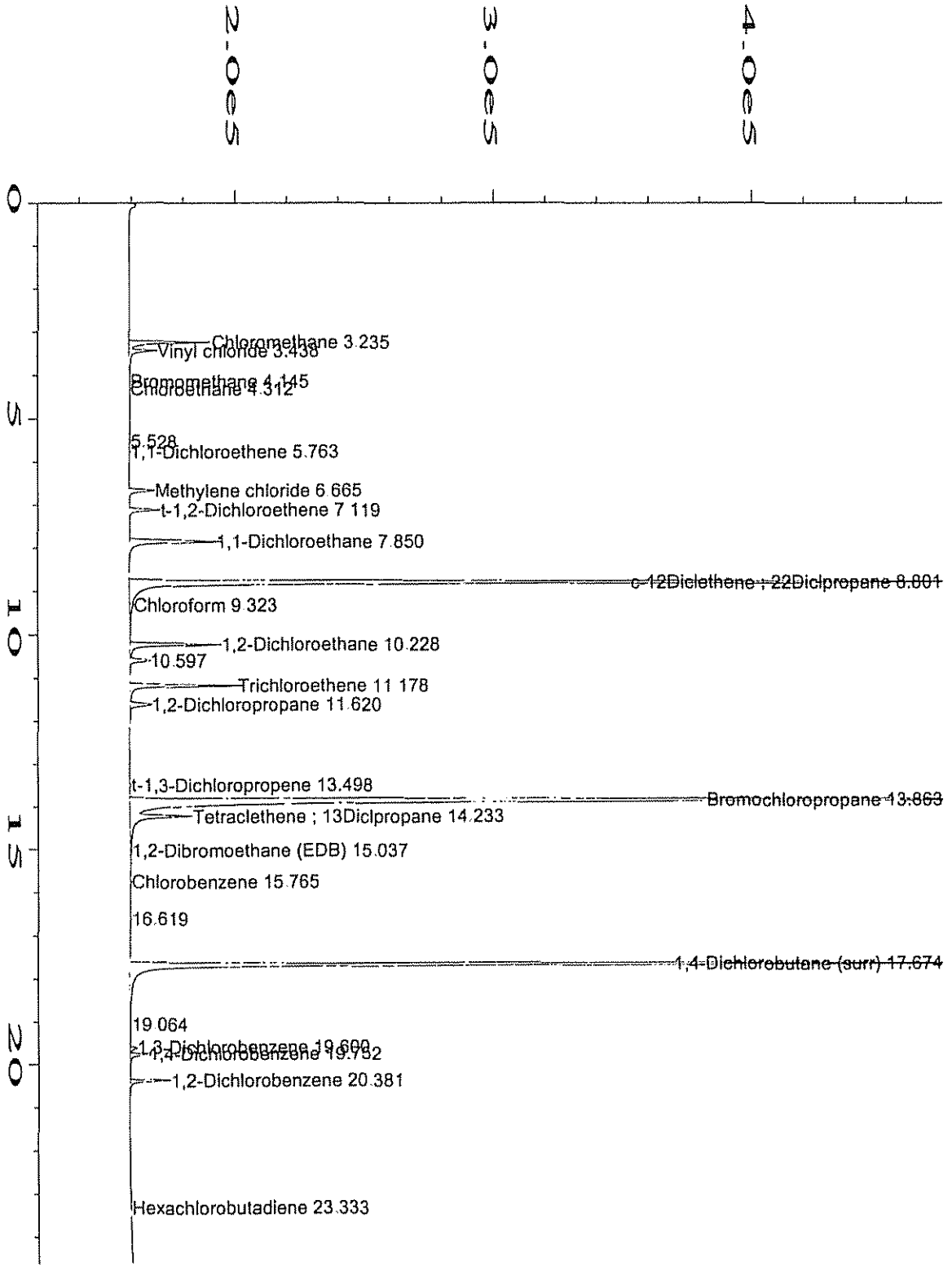
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\017F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2183-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:18 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 05:43 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

MJC 10/11

Sig. 1 in C:\HPCHEM\1\DATA\101005\017F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.898	* not found *			1		Dichlorodifluoromethane
3.235	113096	BV	0.053	1	~~0.309~~	Chloromethane
3.438	56369	VV	0.072	1	~~-0.315~~	Vinyl chloride
4.145	2588	VV	0.117	1	0.00342	Bromomethane
4.312	1499	VB	0.083	1	~~-0.466~~	Chloroethane
4.780	* not found *			1		Trichlorofluoromethane
5.763	1315	PB	0.077	1	~~-0.472~~	1,1-Dichloroethene
6.665	42439	BV	0.064	1	~~-0.593~~	Methylene chloride
7.119	50184	VB	0.061	1	~~-0.443~~	t-1,2-Dichloroethene
7.850	178878	BV	0.077	1	~~0.285~~	1,1-Dichloroethane
8.801	1500034	PV	0.063	1	8.209	c-12Diclethene ; 22Diclpropane
9.193	* not found *			1		Bromochloromethane
9.323	23812	VB	0.184	1	~~-0.610~~	Chloroform
9.578	* not found *			1		1,1,1-Trichloroethane
9.833	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.228	141896	BV	0.060	1	~~0.245~~	1,2-Dichloroethane
11.178	172209	PV	0.062	1	~~0.195~~	Trichloroethene
11.620	46200	VB	0.076	1	~~-0.407~~	1,2-Dichloropropane
11.745	* not found *			1		Dibromomethane
11.999	* not found *			1		Bromodichloromethane
12.731	* not found *			1		c-1,3-Dichloropropene
13.498	3370	BV	0.066	1	~~-0.287~~	t-1,3-Dichloropropene
13.863	2030242	PV	0.072	1-I	40.000	Bromochloropropane
14.037	* not found *			1		1,1,2-Trichloroethane
14.233	156947	VV	0.088	1	~~-0.183~~	Tetraclethene ; 13Diclpropane
14.722	* not found *			1		Dibromochloromethane
15.037	5031	VB	0.133	1	~~-0.513~~	1,2-Dibromoethane (EDB)
15.765	2333	BB	0.071	1	~~-0.437~~	Chlorobenzene
15.906	* not found *			1		1,1,1,2-Tetrachloroethane
17.201	* not found *			1		Bromoform
17.674	1463465	BV	0.060	1	102.200	1,4-Dichlorobutane (surr)
18.022	* not found *			1		Brbenzene;123triclprop;1122tet
18.328	* not found *			1		2-Chlorotoluene
18.517	* not found *			1		4-Chlorotoluene
19.600	9564	BV	0.059	1	-0.536	1,3-Dichlorobenzene
19.752	28624	VB	0.057	1	-0.491	1,4-Dichlorobenzene
20.381	60413	BB	0.059	1	-0.0267	1,2-Dichlorobenzene
21.710	* not found *			1		1,2-Dibromo-3-chloropropane
23.057	* not found *			1		1,2,4-Trichlorobenzene
23.333	2023	PB	0.066	1	~~-0.670~~	Hexachlorobutadiene
23.865	* not found *			1		1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\017F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2183-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:18 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 05:43 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: g161-2183-6a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 01:41 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 02:06 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

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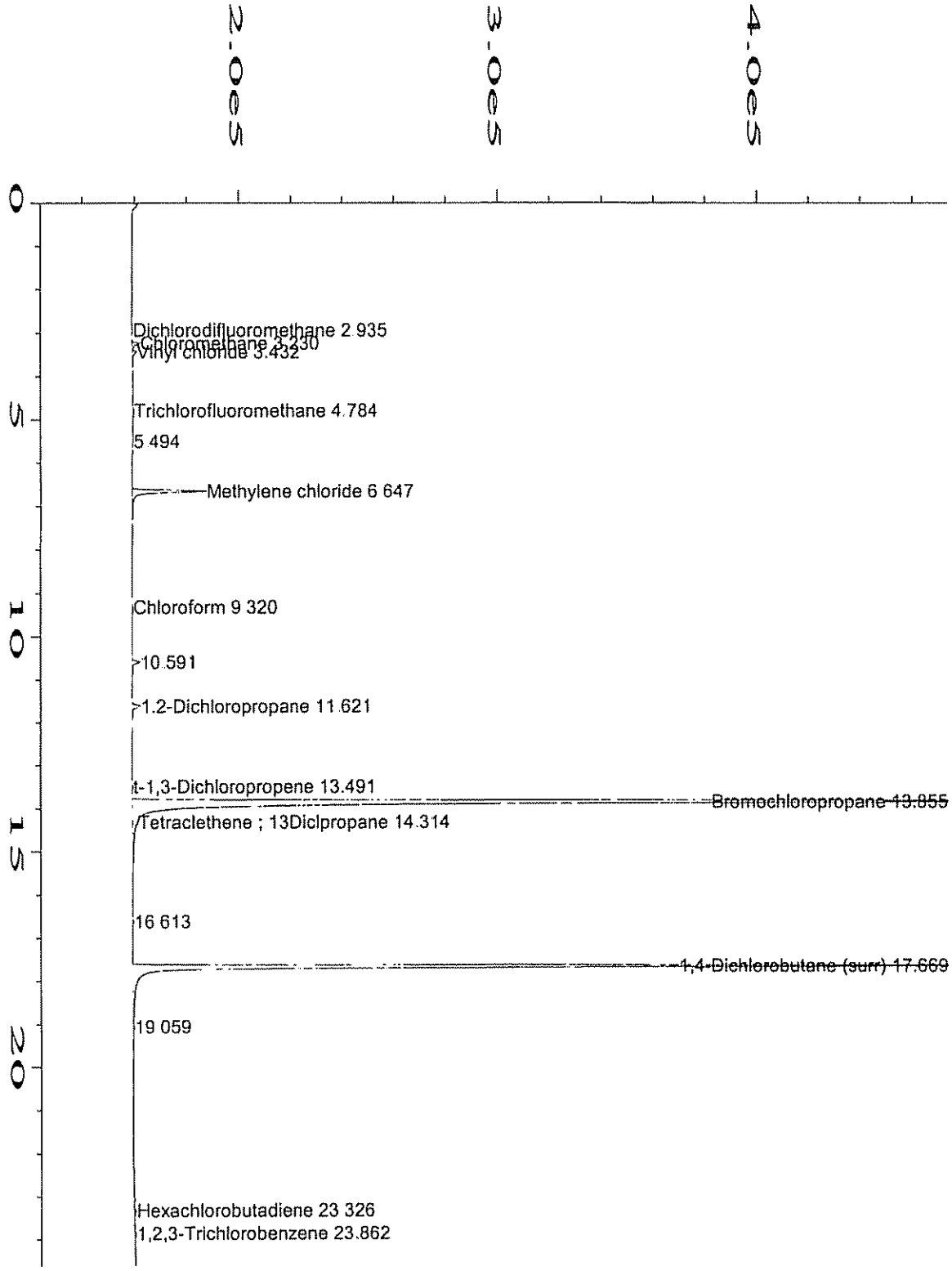
Sig. 1 in C:\HPCHEM\1\DATA\101005\010F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.935	1522	BB	0.055	1	-0.396	Dichlorodifluoromethane
3.230	12866	BV	0.060	1	-0.348	Chloromethane
3.432	10764	VB	0.092	1	-0.698	Vinyl chloride
4.060	* not found *			1		Bromomethane
4.275	* not found *			1		Chloroethane
4.784	3607	BB	0.109	1	-0.453	Trichlorofluoromethane
5.748	* not found *			1		1,1-Dichloroethene
6.647	125055	BB	0.064	1	-0.145	Methylene chloride
7.114	* not found *			1		t-1,2-Dichloroethene
7.847	* not found *			1		1,1-Dichloroethane
8.797	* not found *			1		c-12Diclethene ; 22Diclpropane
9.193	* not found *			1		Bromochloromethane
9.320	1156	BB	0.063	1	-0.705	Chloroform
9.578	* not found *			1		1,1,1-Trichloroethane
9.833	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.228	* not found *			1		1,2-Dichloroethane
11.178	* not found *			1		Trichloroethene
11.621	18230	BB	0.083	1	-0.576	1,2-Dichloropropane
11.745	* not found *			1		Dibromomethane
11.999	* not found *			1		Bromodichloromethane
12.731	* not found *			1		c-1,3-Dichloropropene
13.491	1882	BV	0.065	1	-0.301	t-1,3-Dichloropropene
13.855	1939007	PV	0.075	1-I	40.000	Bromochloropropane
14.037	* not found *			1		1,1,2-Trichloroethane
14.314	34204	VB	0.195	1	-1.353	Tetraclethene ; 13Diclpropane
14.722	* not found *			1		Dibromochloromethane
14.920	* not found *			1		1,2-Dibromoethane (EDB)
15.759	* not found *			1		Chlorobenzene
15.906	* not found *			1		1,1,1,2-Tetrachloroethane
17.201	* not found *			1		Bromoform
17.669	1382308	BV	0.061	1	101.075	1,4-Dichlorobutane (surr)
18.022	* not found *			1		Brbenzene;123triclprop;1122tet
18.328	* not found *			1		2-Chlorotoluene
18.517	* not found *			1		4-Chlorotoluene
19.599	* not found *			1		1,3-Dichlorobenzene
19.752	* not found *			1		1,4-Dichlorobenzene
20.382	* not found *			1		1,2-Dichlorobenzene
21.710	* not found *			1		1,2-Dibromo-3-chloropropane
23.057	* not found *			1		1,2,4-Trichlorobenzene
23.326	4258	PB	0.059	1	-0.648	Hexachlorobutadiene
23.862	2849	BB	0.058	1	-0.397	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: g161-2183-6a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 01:41 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	10 Oct 05 02:06 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\101005\018F0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2183-7a
Run Time Bar Code:
Acquired on : 10 Oct 05 05:49 PM
Report Created on: 10 Oct 05 06:14 PM
Last Recalib on : 26 SEP 05 07:59 AM
Multiplier : 1

Page Number : 1
Vial Number : 18
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

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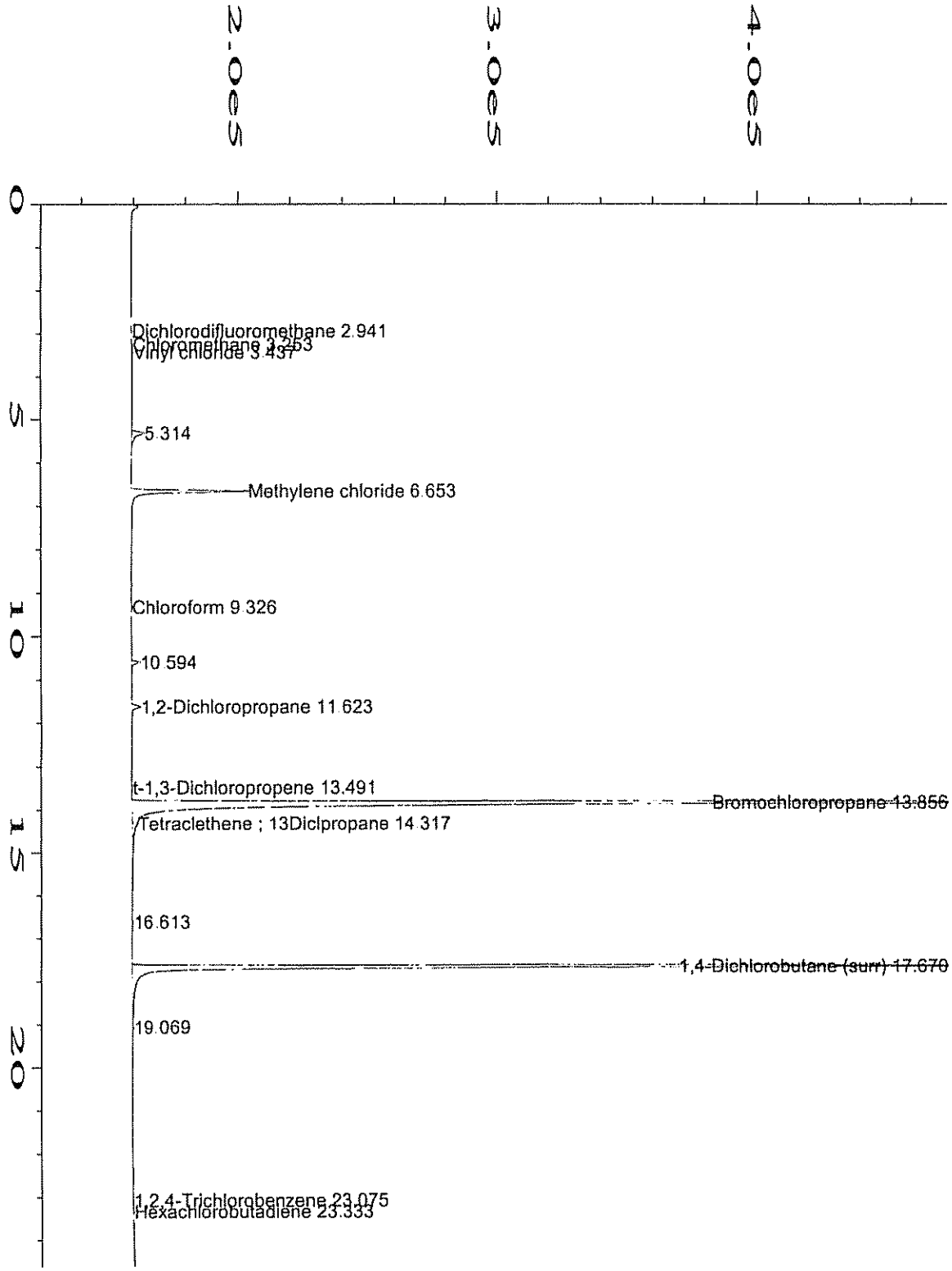
Sig. 1 in C:\HPCHEM\1\DATA\101005\018F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.941	1026	BV	0.056	1	-0.402	Dichlorodifluoromethane
3.253	2845	PV	0.097	1	-0.418	Chloromethane
3.437	3300	VB	0.081	1	-0.765	Vinyl chloride
4.060	* not found *			1		Bromomethane
4.275	* not found *			1		Chloroethane
4.780	* not found *			1		Trichlorofluoromethane
5.748	* not found *			1		1,1-Dichloroethene
6.653	200544	BB	0.066	1	0.228	Methylene chloride
7.114	* not found *			1		t-1,2-Dichloroethene
7.847	* not found *			1		1,1-Dichloroethane
8.797	* not found *			1		c-12Diclethene ; 22Diclpropane
9.193	* not found *			1		Bromochloromethane
9.326	1455	BB	0.068	1	-0.704	Chloroform
9.578	* not found *			1		1,1,1-Trichloroethane
9.833	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.228	* not found *			1		1,2-Dichloroethane
11.178	* not found *			1		Trichloroethene
11.623	19342	BB	0.078	1	-0.572	1,2-Dichloropropane
11.745	* not found *			1		Dibromomethane
11.999	* not found *			1		Bromodichloromethane
12.731	* not found *			1		c-1,3-Dichloropropene
13.491	1688	BB	0.063	1	-0.303	t-1,3-Dichloropropene
13.856	1987915	BV	0.072	1-I	40.000	Bromochloropropane
14.037	* not found *			1		1,1,2-Trichloroethane
14.317	29231	VB	0.167	1	-1.411	Tetraclethene ; 13Diclpropane
14.722	* not found *			1		Dibromochloromethane
14.920	* not found *			1		1,2-Dibromoethane (EDB)
15.759	* not found *			1		Chlorobenzene
15.906	* not found *			1		1,1,1,2-Tetrachloroethane
17.201	* not found *			1		Bromoform
17.670	1463167	BV	0.057	1	104.355	1,4-Dichlorobutane (surr)
18.022	* not found *			1		Brbenzene;123triclprop;1122tet
18.328	* not found *			1		2-Chlorotoluene
18.517	* not found *			1		4-Chlorotoluene
19.599	* not found *			1		1,3-Dichlorobenzene
19.752	* not found *			1		1,4-Dichlorobenzene
20.382	* not found *			1		1,2-Dichlorobenzene
21.710	* not found *			1		1,2-Dibromo-3-chloropropane
23.075	614	BB	0.068	1	-0.471	1,2,4-Trichlorobenzene
23.333	1532	BV	0.065	1	-0.675	Hexachlorobutadiene
23.865	* not found *			1		1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\018F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: g161-2183-7a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	10 Oct 05 06:14 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\101005\017R0101.D
Operator : MJC
Instrument : GC3
Sample Name : g161-2183-5a
Run Time Bar Code:
Acquired on : 10 Oct 05 05:18 PM
Report Created on: 10 Oct 05 05:43 PM
Last Recalib on : 26 SEP 05 07:47 AM
Multiplier : 1

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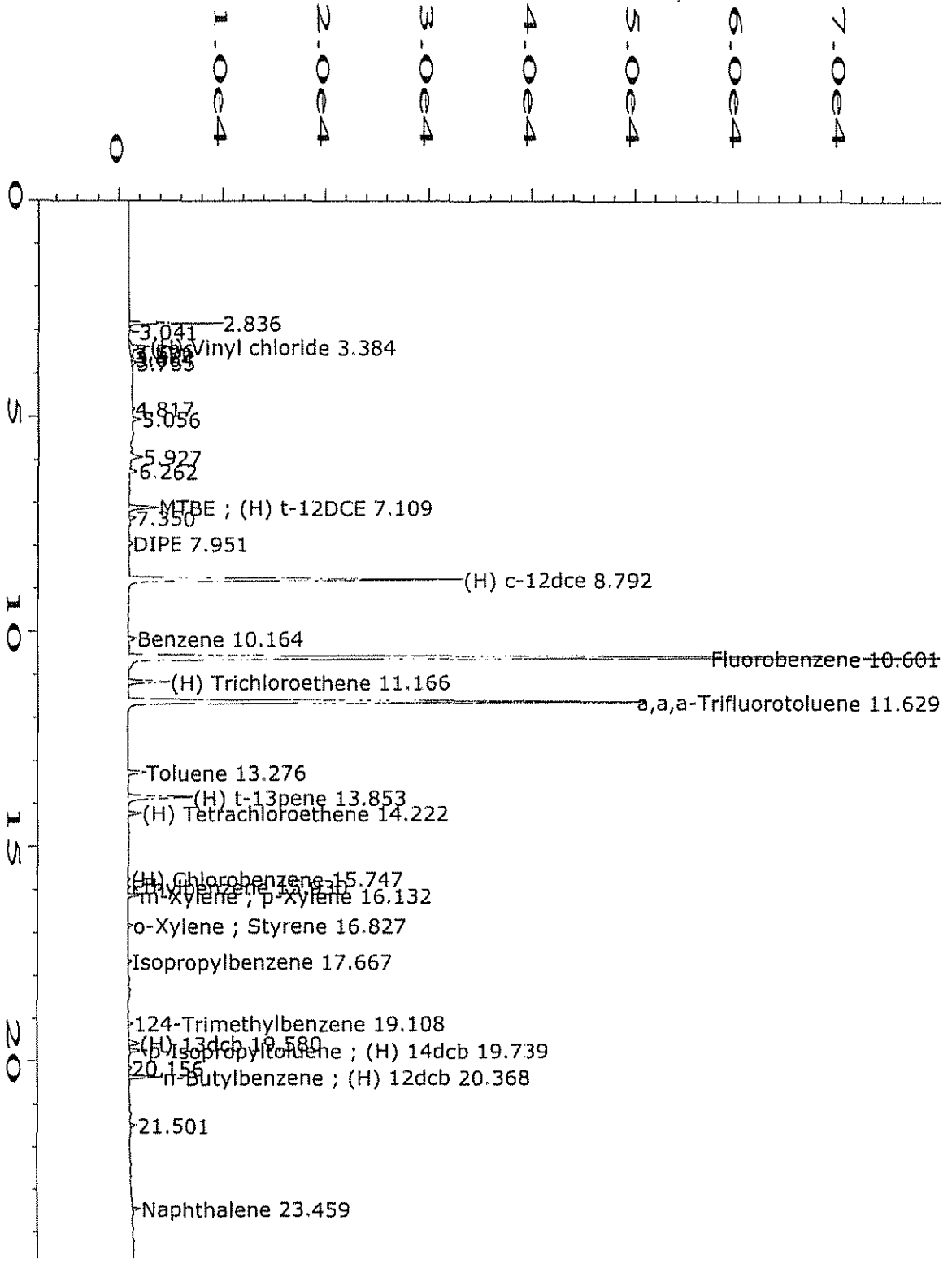
Page Number : 1
Vial Number : 17
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\017R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.384	9973	BV	0.070	1	~~1.004~~	(H) Vinyl chloride
5.740	* not found *			1		(H) 1,1-Dichloroethene
7.109	11635	BV	0.061	1	-0~~.0583~~	MTBE ; (H) t-12DCE
7.951	1652	BV	0.078	1	-0~~.320~~	DIPE
8.792	119025	VV	0.057	1	~~7.694~~	(H) c-12dce
9.829	* not found *			1		(H) 11-Diclpropene
10.164	3415	BV	0.064	1	-~~0.173~~	Benzene
10.601	364004	BB	0.057	1-I	40.000	Fluorobenzene
11.166	14374	BB	0.056	1	~~0.493~~	(H) Trichloroethene
11.629	198620	BB	0.062	1	100.780	a,a,a-Trifluorotoluene
12.722	* not found *			1		(H) c-13pene
13.276	6582	BB	0.059	1	-~~0.0742~~	Toluene
13.853	26681	BB	0.066	1	~~3.237~~	(H) t-13pene
14.222	4671	BB	0.059	1	0~~.0643~~	(H) Tetrachloroethene
15.747	1056	BV	0.059	1	-0~~.296~~	(H) Chlorobenzene
15.930	961	VB	0.057	1	-~~0.367~~	Ethylbenzene
16.132	3904	BB	0.056	1	-~~0.770~~	m-Xylene ; p-Xylene
16.827	1949	BB	0.063	1	-~~0.806~~	o-Xylene ; Styrene
17.667	1081	BB	0.052	1	-0~~.332~~	Isopropylbenzene
17.989	* not found *			1		(H) Bromobenzene
18.172	* not found *			1		n-Propylbenzene
18.319	* not found *			1		(H) 2Cltoluene
18.491	* not found *			1		135-Trimethylbenzene;4-cltolu
19.029	* not found *			1		tert-Butylbenzene
19.108	1501	BB	0.050	1	-0.353	124-Trimethylbenzene
19.402	* not found *			1		sec-Butylbenzene
19.580	4889	BV	0.071	1	-0.171	(H) 13dcb
19.739	4932	PV	0.044	1	-0.519	p-Isopropyltoluene ; (H) 14dcb
20.368	10333	VV	0.049	1	-0.309	n-Butylbenzene ; (H) 12dcb
23.050	* not found *			1		(H) 124-Triclbenzene
23.322	* not found *			1		(H) Hexaclbutadiene
23.459	2394	BV	0.043	1	-0.0258	Naphthalene
23.857	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\101005\017R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 17
Sample Name	: g161-2183-5a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:18 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	10 Oct 05 05:43 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\018R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: g161-2183-7a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:49 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 06:14 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

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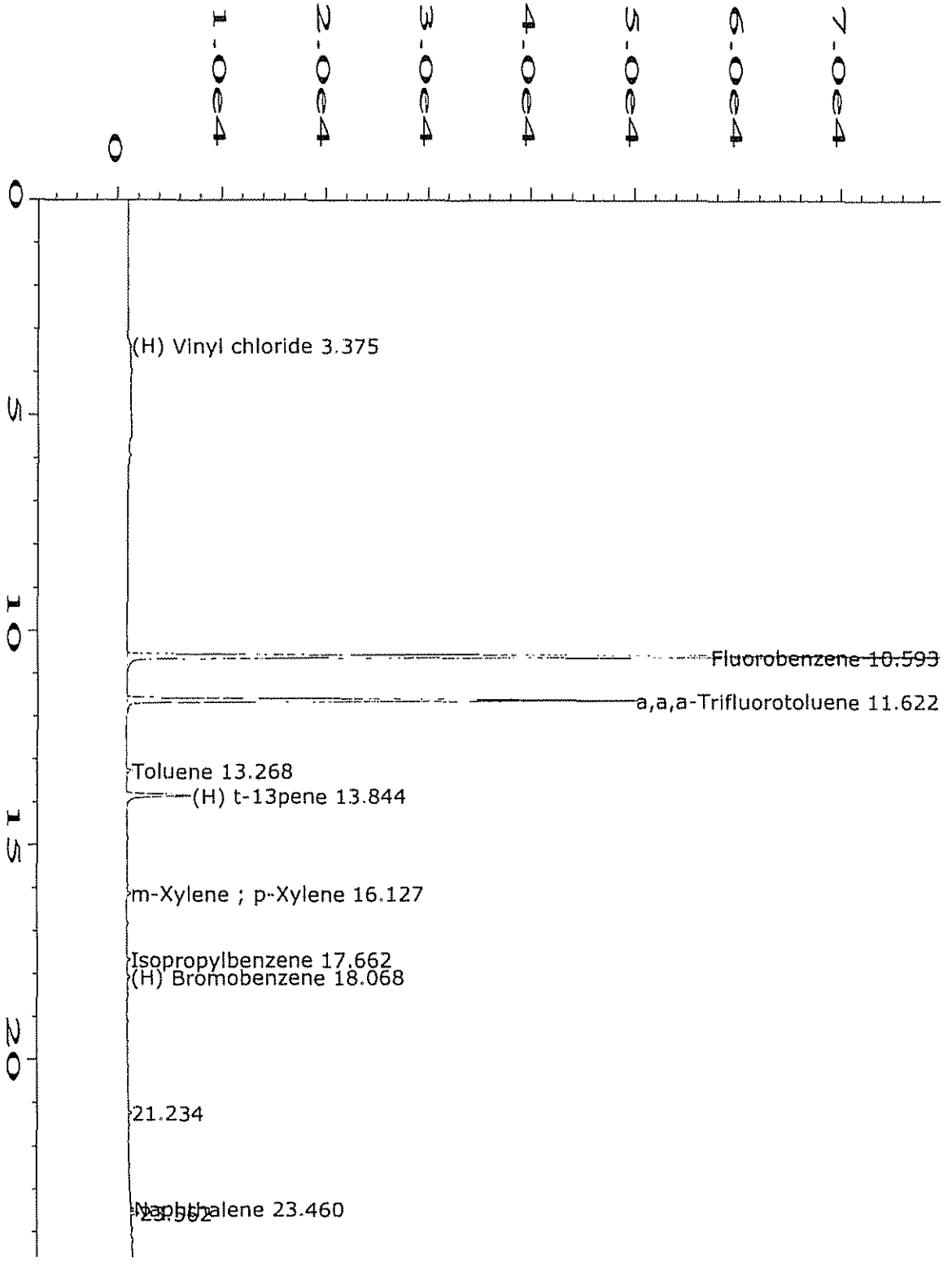
Sig. 2 in C:\HPCHEM\1\DATA\101005\018R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.375	811	BB	0.087	1	~~-0.598~~	(H) Vinyl chloride
5.740	* not found *			1		(H) 1,1-Dichloroethene
7.110	* not found *			1		MTBE ; (H) t-12DCE
7.957	* not found *			1		DIPE
8.795	* not found *			1		(H) c-12dce
9.829	* not found *			1		(H) 11-Diclpropene
10.165	* not found *			1		Benzene
10.593	361318	BB	0.057	1-I	40.000	Fluorobenzene
11.169	* not found *			1		(H) Trichloroethene
11.622	197147	BB	0.062	1	100.777	a,a,a-Trifluorotoluene
12.722	* not found *			1		(H) c-13pene
13.268	1779	BB	0.060	1	~~-0.235~~	Toluene
13.844	27651	BB	0.068	1	~~3.395~~	(H) t-13pene
14.227	* not found *			1		(H) Tetrachloroethene
15.750	* not found *			1		(H) Chlorobenzene
15.935	* not found *			1		Ethylbenzene
16.127	1347	BB	0.057	1	~~-0.858~~	m-Xylene ; p-Xylene
16.850	* not found *			1		o-Xylene ; Styrene
17.662	1114	BB	0.053	1	-0.330	Isopropylbenzene
18.068	1389	BB	0.065	1	-0.389	(H) Bromobenzene
18.172	* not found *			1		n-Propylbenzene
18.319	* not found *			1		(H) 2Cltoluene
18.491	* not found *			1		135-Trimethylbenzene;4-cltolu
19.029	* not found *			1		tert-Butylbenzene
19.115	* not found *			1		124-Trimethylbenzene
19.402	* not found *			1		sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.744	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.362	* not found *			1		n-Butylbenzene ; (H) 12dcb
23.050	* not found *			1		(H) 124-Triclbenzene
23.322	* not found *			1		(H) Hexaclbutadiene
23.460	920	BV	0.045	1	~~-0.180~~	Naphthalene
23.857	* not found *			1		(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\101005\018R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 18
Sample Name	: g161-2183-7a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 05:49 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 06:14 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Calibration Raw Data

PARADIGM ANALYTICAL LABORATORIES, INC.

INITIAL CALIBRATION SUMMARY

Method: 8010/8020, 8021, 601/602, 6230D
Batch: 092505

Date: 26-Sep-05
Instrument: GC3

ELCD Compound	Slope m	Intercept b	Correlation Coefficient[a] r	#
Dichlorodifluoromethane	0.495	-0.00987	0.999	
Chloromethane	0.334	-0.0105	0.999	
Vinyl chloride	0.431	-0.0193	0.998	
Chloroethane	0.428	-0.0117	0.999	
Trichlorofluoromethane	0.321	-0.0117	0.999	
1,1-Dichloroethene	0.262	-0.0114	0.998	
Methylene chloride	0.256	-0.0196	0.998	
t-1,2-Dichloroethene	0.270	-0.0171	0.998	
1,1-Dichloroethane	0.262	-0.0154	0.998	
c-12Diclethene ;	0.168	-0.0210	0.997	
Bromochloromethane	0.489	-0.0123	0.998	
Chloroform	0.211	-0.0172	0.998	
1,1,1-Trichloroethane	0.241	-0.0190	0.998	
Carbon Tetracl	0.160	-0.0218	0.997	
1,2-Dichloroethane	0.348	-0.0176	0.998	
Trichloroethene	0.249	-0.0156	0.998	
1,2-Dichloropropane	0.316	-0.0170	0.999	
Dibromomethane	0.663	-0.00291	0.999	
Bromodichloromethane	0.341	-0.0100	0.999	
c-1,3-Dichloropropene	0.366	-0.0130	0.998	
t-1,3-Dichloropropene	0.483	-0.00763	0.999	
Bromochloropropane	Internal Standard			
1,1,2-Trichloroethane	0.389	-0.0375	0.998	
Tetraclethene ;	0.245	-0.0206	0.998	
Dibromochloromethane	0.625	-0.0102	0.998	
1,2-Dibromoethane (EDB)	0.755	-0.0142	0.999	
Chlorobenzene	0.613	-0.0112	0.999	
1,1,1,2-Tetrachloroethane	0.265	-0.0205	0.998	
Bromoform	1.17	0.00651	0.996	
1,4-Dichlorobutane (surr)	Surrogate			
Brbenzene;123triclprop;1122tet	0.428	-0.0179	0.999	
2-Chlorotoluene	0.670	-0.0143	0.999	
4-Chlorotoluene	0.658	-0.0175	0.999	
1,3-Dichlorobenzene	0.478	-0.0150	0.998	
1,4-Dichlorobenzene	0.442	-0.0178	0.998	
1,2-Dichlorobenzene	0.510	-0.0152	0.998	
1,2-Dibromo-3-chloropropane	3.47	-0.00920	0.997	
1,2,4-Trichlorobenzene	0.577	-0.0116	0.999	
Hexachlorobutadiene	0.463	-0.0162	0.997	
1,2,3-Trichlorobenzene	0.718	-0.0107	0.999	

PID Compound	Slope m	Intercept b	Correlation Coefficient[a] r	#
(H) Vinyl chloride				
(H) 1,1-Dichloroethene				
MTBE ; (H) t-12DCE	0.239	-0.00939	0.999	
(H) c-12DCE				
(H) 11-Diclpropene				
Benzene	0.282	-0.00754	0.999	
Fluorobenzene	Internal Standard			
(H) Trichloroethene				
a,a,a-Trifluorotoluene	Surrogate			
(H) c-13pene				
Toluene	0.304	-0.00776	0.999	
(H) t-13pene				
(H) Tetrachloroethene				
(H) Chlorobenzene				
Ethylbenzene	0.356	-0.0107	0.999	
m-Xylene ; p-Xylene	0.156	-0.0118	0.999	
o-Xylene ; Styrene	0.171	-0.0116	0.999	
Isopropylbenzene	0.462	-0.0101	0.999	
(H) Bromobenzene				
n-Propylbenzene	0.408	-0.0107	0.999	
(H) 2Cltoluene				
135-Trimethylbenzene;4-cltolu	0.159	-0.0132	0.999	
tert-Butylbenzene	0.531	-0.0104	0.999	
124-Trimethylbenzene	0.358	-0.0106	0.999	
sec-Butylbenzene	0.520	-0.0104	0.999	
(H) 13dcb				
p-Isopropyltoluene , (H) 14dcb	0.374	-0.0123	0.999	
n-Butylbenzene ; (H) 12dcb	0.269	-0.0119	0.999	
(H) 124-Triclbenzene				
(H) Hexaclbutadiene				
Naphthalene	0.952	-0.00797	0.999	
(H) 123Triclbenzene				

a = Minimum allowable correlation coefficient is 0.990.

N.C. Certification #481 S.C. Certification #99029

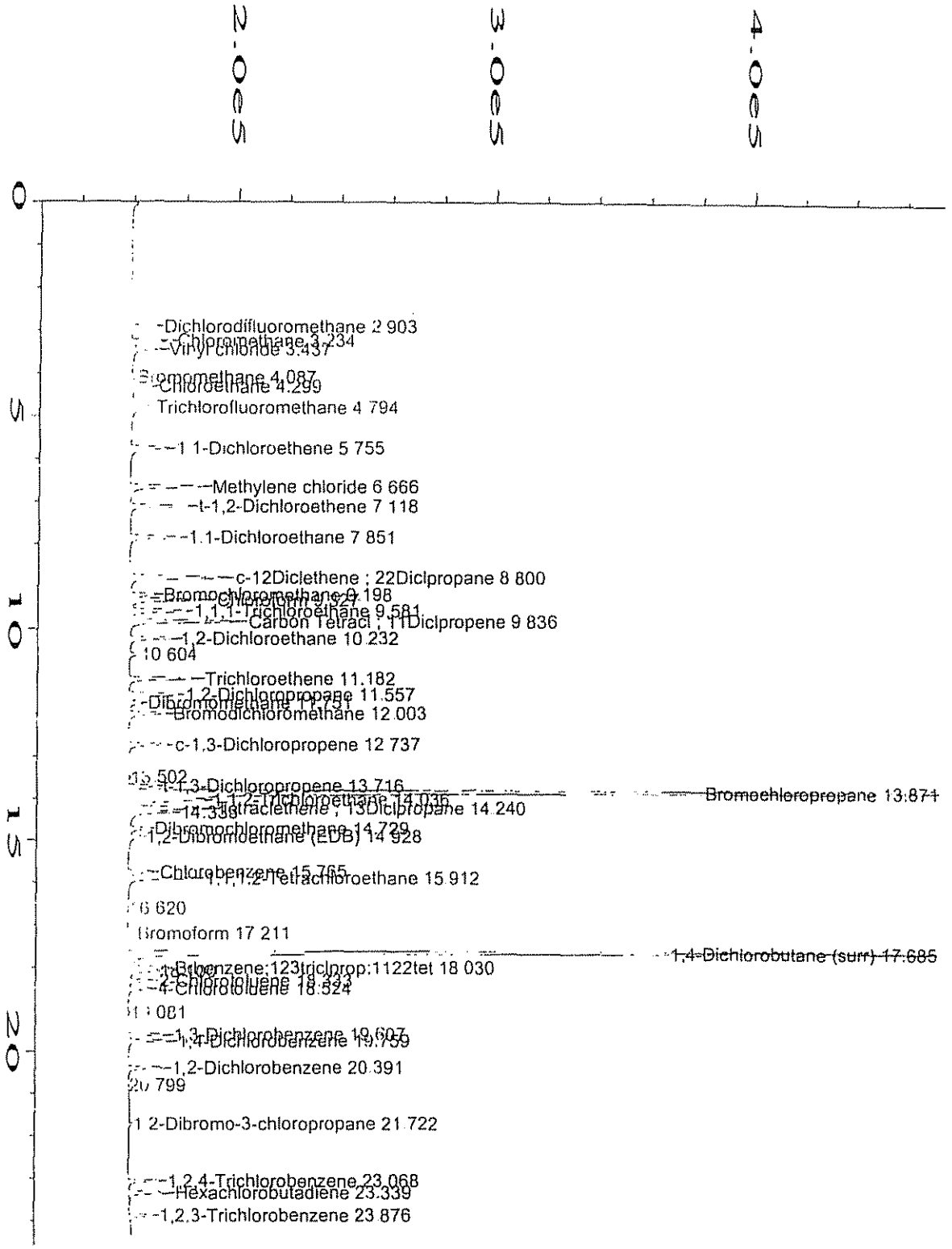
Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\092505\003F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 25 Sep 05 06:27 PM
Report Created on: 26 Sep 05 08:03 AM
Last Recalib on : 26 SEP 05 07:59 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\003F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.903	41048	BV	0.049	1	0.0629	Dichlorodifluoromethane
3.234	68405	VV	0.056	1	0.0970	Chloromethane
3.437	75843	VV	0.074	1	-0.0306	Vinyl chloride
4.087	13537	VV	0.083	1	0.429	Bromomethane
4.299	59196	VV	0.083	1	0.111	Chloroethane
4.794	83330	VV	0.118	1	0.147	Trichlorofluoromethane
5.755	94713	VV	0.080	1	0.102	1,1-Dichloroethene
6.666	137970	VV	0.066	1	0.0181	Methylene chloride
7.118	108450	VV	0.063	1	-0.0264	t-1,2-Dichloroethene
7.851	106503	VV	0.072	1	0.0117	1,1-Dichloroethane
8.800	189678	PV	0.070	1	-0.274	c-12Diclethene ; 22Diclpropane
9.198	53230	VV	0.062	1	0.0936	Bromochloromethane
9.327	146981	VV	0.067	1	0.0164	Chloroform
9.581	127507	VV	0.077	1	-0.0765	1,1,1-Trichloroethane
9.836	217770	VV	0.071	1	-0.187	Carbon Tetracl ; 11Diclpropene
10.232	89054	VV	0.067	1	-0.00601	1,2-Dichloroethane
11.182	114105	VV	0.059	1	0.0118	Trichloroethene
11.557	114691	VV	0.076	1	0.152	1,2-Dichloropropane
11.751	32244	VV	0.064	1	0.374	Dibromomethane
12.003	80274	VV	0.070	1	0.223	Bromodichloromethane
12.737	73089	VB	0.062	1	0.0807	c-1,3-Dichloropropene
13.716	48881	VV	0.057	1	0.231	t-1,3-Dichloropropene
13.871	1715917	VV	0.074	1-I	40.000	Bromochloropropane
14.036	167350	VV	0.073	1	-0.0114	1,1,2-Trichloroethane
14.240	146285	VV	0.064	1	-0.0271	Tetraclethene ; 13Diclpropane
14.729	49284	VV	0.073	1	0.283	Dibromochloromethane
14.928	47154	VV	0.096	1	0.244	1,2-Dibromoethane (EDB)
15.765	44513	VV	0.055	1	0.172	Chlorobenzene
15.912	136084	VV	0.070	1	-0.00563	1,1,1,2-Tetrachloroethane
17.211	16019	BV	0.066	1	0.671	Bromoform
17.685	1324391	PV	0.058	1	109.430	1,4-Dichlorobutane (surr)
18.030	88520	VV	0.073	1	0.460	Brbenzene;123triclprop;1122tet
18.333	49245	VV	0.061	1	0.187	2-Chlorotoluene
18.524	53300	VV	0.067	1	0.102	4-Chlorotoluene
19.607	61171	BV	0.053	1	0.0575	1,3-Dichlorobenzene
19.759	74214	VV	0.058	1	0.0260	1,4-Dichlorobenzene
20.391	60925	PV	0.056	1	0.0908	1,2-Dichlorobenzene
21.722	16153	BB	0.115	1	0.901	1,2-Dibromo-3-chloropropane
23.068	51709	BV	0.053	1	0.219	1,2,4-Trichlorobenzene
23.339	69669	VV	0.058	1	0.0658	Hexachlorobutadiene
23.876	38009	PV	0.051	1	0.197	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:27 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:03 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

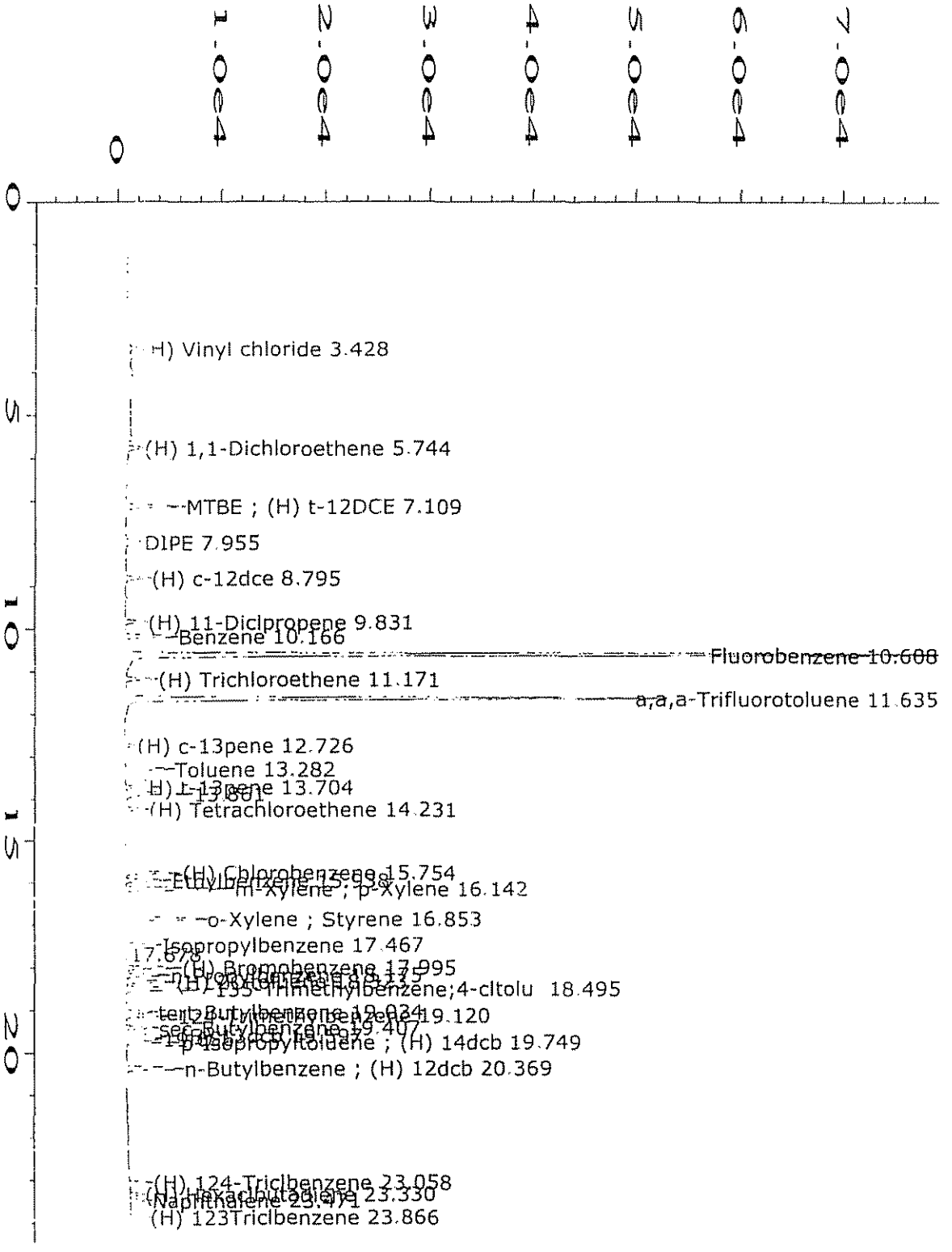
Data File Name : C:\HPCHEM\1\DATA\092505\003R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v0.5
Run Time Bar Code:
Acquired on : 25 Sep 05 06:27 PM
Report Created on: 26 Sep 05 08:03 AM
Last Recalib on : 26 SEP 05 07:47 AM
Multiplier : 1

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 2 in C:\HPCHEM\1\DATA\092505\003R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.428	5884	BB	0.070	1	0.244	(H) Vinyl chloride
5.744	6740	BV	0.065	1	0.250	(H) 1,1-Dichloroethene
7.109	22896	BB	0.059	1	0.482	MTBE ; (H) t-12DCE
7.955	8985	BV	0.078	1	0.148	DIPE
8.795	8938	BB	0.057	1	0.317	(H) c-12dce
9.831	8125	BB	0.059	1	0.305	(H) 11-Diclpropene
10.166	18786	BB	0.057	1	0.278	Benzene
10.608	380629	BV	0.057	1-I	40.000	Fluorobenzene
11.171	11269	VB	0.056	1	0.301	(H) Trichloroethene
11.635	210116	BB	0.062	1	101.957	a,a,a-Trifluorotoluene
12.726	4149	BB	0.056	1	0.266	(H) c-13pene
13.282	17911	BB	0.058	1	0.279	Toluene
13.704	4694	BV	0.054	1	0.256	(H) t-13pene
14.231	8419	BB	0.059	1	0.301	(H) Tetrachloroethene
15.754	19146	BV	0.054	1	0.279	(H) Chlorobenzene
15.938	16070	VV	0.056	1	0.198	Ethylbenzene
16.142	37327	VB	0.055	1	0.326	m-Xylene ; p-Xylene
16.853	34559	BB	0.070	1	0.368	o-Xylene ; Styrene
17.467	12560	BV	0.056	1	0.224	Isopropylbenzene
17.995	18275	BV	0.052	1	0.208	(H) Bromobenzene
18.175	14341	VV	0.052	1	0.198	n-Propylbenzene
18.323	15950	VV	0.052	1	0.200	(H) 2Cltoluene
18.495	37744	VB	0.068	1	0.241	135-Trimethylbenzene;4-cltolu
19.034	10826	BV	0.054	1	0.199	tert-Butylbenzene
19.120	16572	VB	0.051	1	0.212	124-Trimethylbenzene
19.407	11065	BV	0.054	1	0.194	sec-Butylbenzene
19.597	16206	VV	0.047	1	0.243	(H) 13dcb
19.749	16055	VB	0.047	1	0.340	p-Isopropyltoluene ; (H) 14dcb
20.369	21733	BB	0.063	1	0.310	n-Butylbenzene ; (H) 12dcb
23.058	6774	BV	0.046	1	0.225	(H) 124-Triclbenzene
23.330	4704	BV	0.053	1	0.234	(H) Hexaclbutadiene
23.471	6122	VB	0.045	1	0.338	Naphthalene
23.866	5583	BB	0.046	1	0.324	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



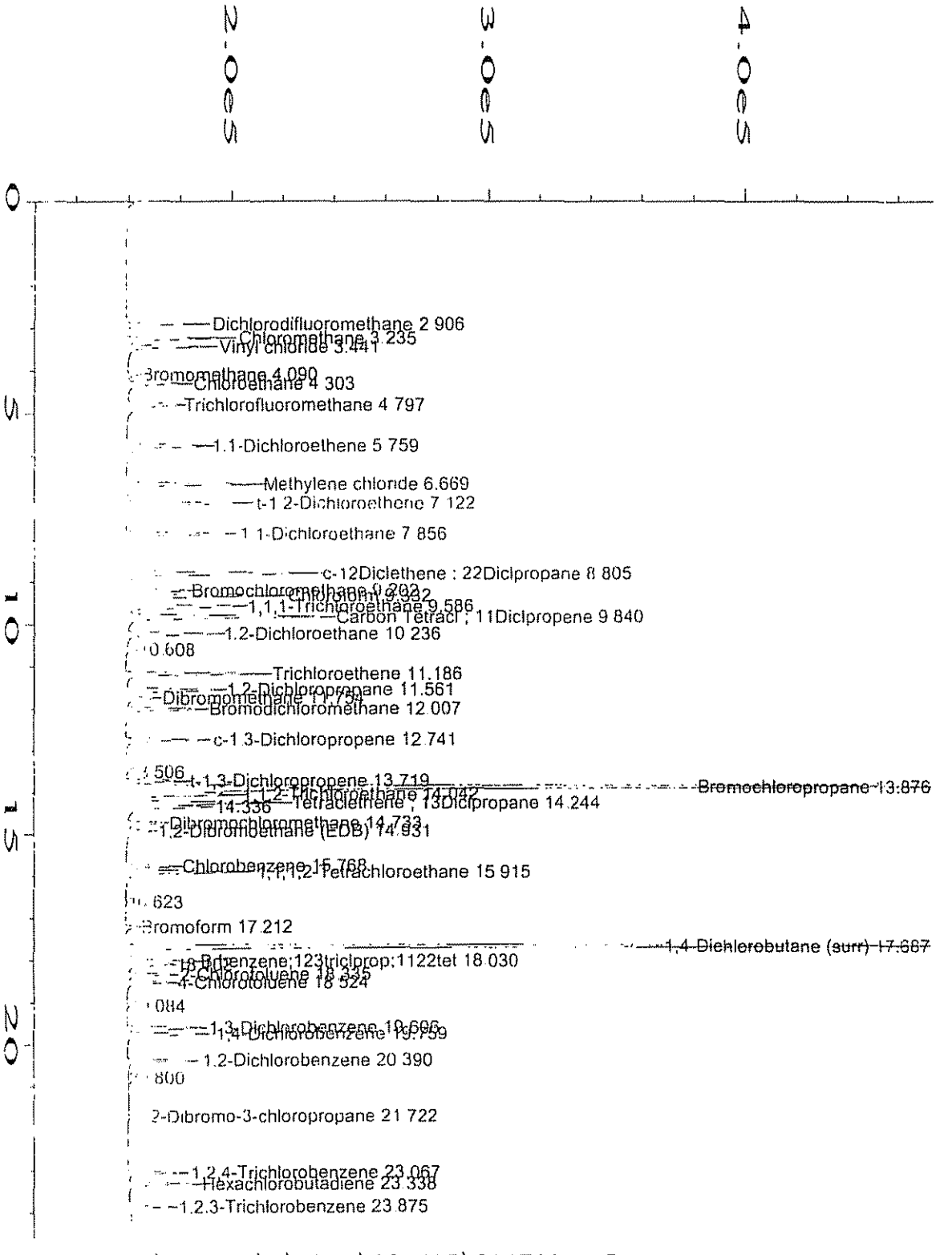
Data File Name	: C:\HPCHEM\1\DATA\092505\003R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: v0.5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:27 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:03 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:58 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:03 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\004F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.906	101881	BV	0.045	1	0.733	Dichlorodifluoromethane
3.235	159116	VV	0.055	1	0.770	Chloromethane
3.441	156576	VV	0.061	1	0.738	Vinyl chloride
4.090	28784	VV	0.072	1	0.969	Bromomethane
4.303	131152	VV	0.073	1	0.790	Chloroethane
4.797	178670	VV	0.111	1	0.824	Trichlorofluoromethane
5.759	191592	VV	0.079	1	0.663	1,1-Dichloroethene
6.669	239856	VV	0.065	1	0.587	Methylene chloride
7.122	208585	VV	0.064	1	0.568	t-1,2-Dichloroethene
7.856	210590	VV	0.070	1	0.612	1,1-Dichloroethane
8.805	362144	VV	0.071	1	1.003	c-12Diclethene ; 22Diclpropane
9.202	104764	VV	0.061	1	0.649	Bromochloromethane
9.332	277760	VV	0.067	1	0.624	Chloroform
9.586	244303	VV	0.077	1	0.543	1,1,1-Trichloroethane
9.840	381561	VV	0.070	1	0.962	Carbon Tetracl ; 11Diclpropene
10.236	165963	VV	0.065	1	0.581	1,2-Dichloroethane
11.186	223627	VV	0.060	1	0.612	Trichloroethene
11.561	197837	VV	0.074	1	0.725	1,2-Dichloropropane
11.754	62116	VV	0.063	1	0.808	Dibromomethane
12.007	149138	VV	0.068	1	0.737	Bromodichloromethane
12.741	139970	VV	0.063	1	0.618	c-1,3-Dichloropropene
13.719	93539	VV	0.057	1	0.705	t-1,3-Dichloropropene
13.876	1765781	VV	0.071	1-I	40.000	Bromochloropropane
14.042	234387	VV	0.076	1	0.538	1,1,2-Trichloroethane
14.244	263113	VV	0.061	1	1.223	Tetraclethene ; 13Diclpropane
14.733	80091	VV	0.068	1	0.700	Dibromochloromethane
14.931	76697	VV	0.084	1	0.727	1,2-Dibromoethane (EDB)
15.768	80884	VV	0.056	1	0.660	Chlorobenzene
15.915	230579	VV	0.068	1	0.539	1,1,1,2-Tetrachloroethane
17.212	26738	BV	0.065	1	0.931	Bromoform
17.687	1279616	PV	0.057	1	102.745	1,4-Dichlorobutane (surr)
18.030	136628	VV	0.070	1	1.788	Brbenzene;123triclprop;1122tet
18.335	82884	VV	0.058	1	0.676	2-Chlorotoluene
18.524	90172	VV	0.060	1	0.629	4-Chlorotoluene
19.606	107768	PV	0.052	1	0.544	1,3-Dichlorobenzene
19.759	127096	VV	0.053	1	0.536	1,4-Dichlorobenzene
20.390	103940	VV	0.053	1	0.568	1,2-Dichlorobenzene
21.722	22001	BB	0.098	1	1.326	1,2-Dibromo-3-chloropropane
23.067	81662	BV	0.051	1	0.591	1,2,4-Trichlorobenzene
23.338	113595	VV	0.060	1	0.507	Hexachlorobutadiene
23.875	67829	PV	0.053	1	0.665	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\004F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:58 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:03 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

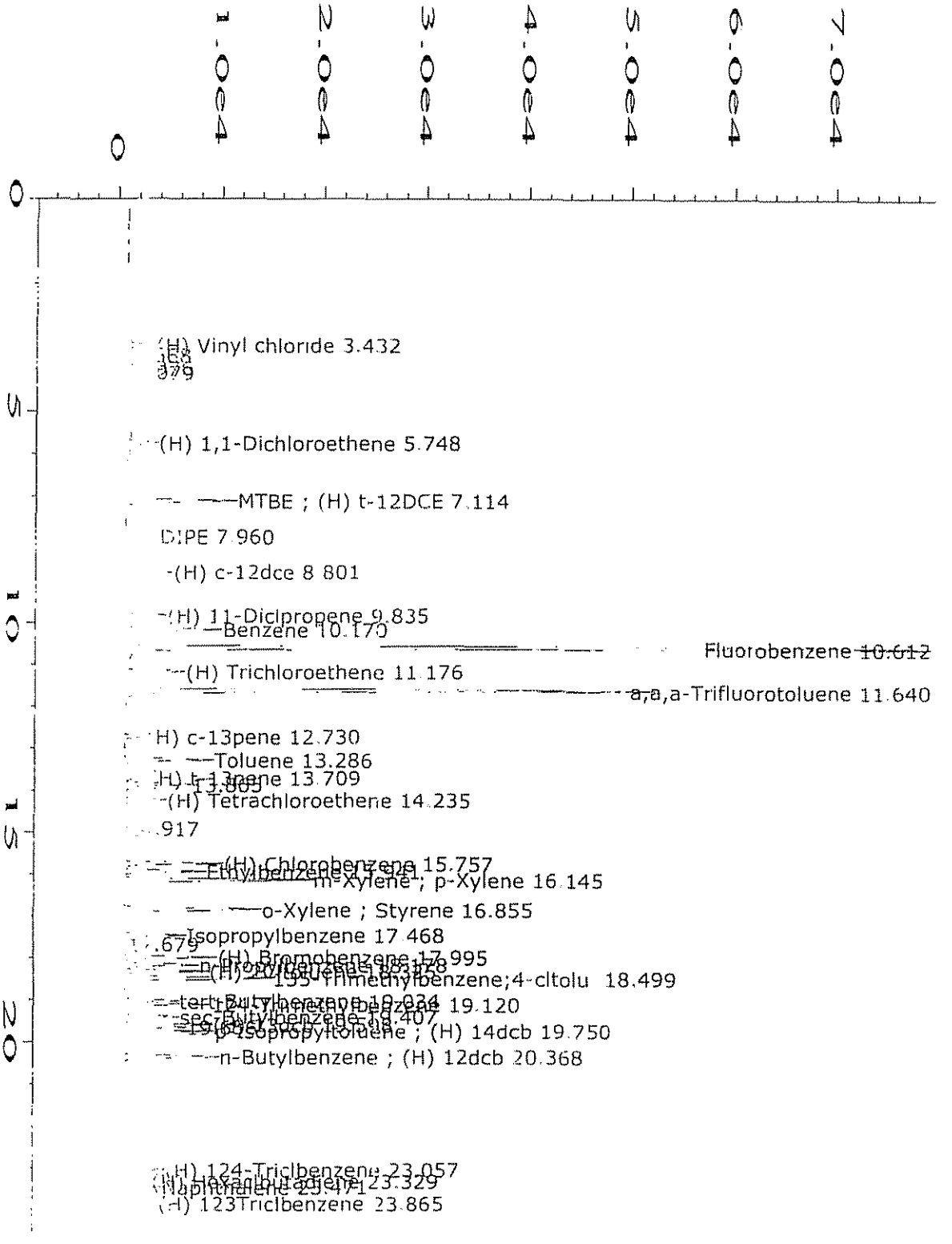
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:58 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\092505\004R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.432	10799	BV	0.059	1	1.089	(H) Vinyl chloride
5.748	11510	BV	0.064	1	0.609	(H) 1,1-Dichloroethene
7.114	42164	BB	0.060	1	1.480	MTBE ; (H) t-12DCE
7.960	16344	BB	0.078	1	0.635	DIPE
8.801	16431	BB	0.056	1	0.810	(H) c-12dce
9.835	14977	BB	0.059	1	0.794	(H) 11-Diclpropene
10.170	34774	BB	0.058	1	0.766	Benzene
10.612	375666	BV	0.057	1-I	40.000	Fluorobenzene
11.176	20689	VB	0.055	1	0.797	(H) Trichloroethene
11.640	206742	BB	0.063	1	101.645	a,a,a-Trifluorotoluene
12.730	7260	BB	0.055	1	0.727	(H) c-13pene
13.286	32359	BB	0.058	1	0.755	Toluene
13.709	8043	BV	0.054	1	0.699	(H) t-13pene
14.235	15574	VB	0.060	1	0.792	(H) Tetrachloroethene
15.757	33131	BV	0.053	1	0.739	(H) Chlorobenzene
15.941	28291	VV	0.055	1	0.671	Ethylbenzene
16.145	65142	VB	0.054	1	1.271	m-Xylene ; p-Xylene
16.855	59064	BB	0.070	1	1.281	o-Xylene ; Styrene
17.468	21736	BV	0.055	1	0.684	Isopropylbenzene
17.995	30046	BV	0.051	1	0.640	(H) Bromobenzene
18.178	24609	VV	0.051	1	0.653	n-Propylbenzene
18.325	27146	VV	0.049	1	0.649	(H) 2Cltoluene
18.499	63929	VB	0.070	1	1.144	135-Trimethylbenzene;4-cltolu
19.034	18590	BV	0.053	1	0.647	tert-Butylbenzene
19.120	27684	VB	0.050	1	0.645	124-Trimethylbenzene
19.407	18954	BV	0.054	1	0.640	sec-Butylbenzene
19.598	27116	VV	0.047	1	0.665	(H) 13dcb
19.750	26669	VB	0.047	1	1.205	p-Isopropyltoluene ; (H) 14dcb
20.368	36423	BB	0.063	1	1.169	n-Butylbenzene ; (H) 12dcb
23.057	10905	BB	0.046	1	0.609	(H) 124-Triclbenzene
23.329	7587	BV	0.052	1	0.639	(H) Hexaclbutadiene
23.471	9587	VB	0.045	1	0.698	Naphthalene
23.865	8614	BB	0.046	1	0.681	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



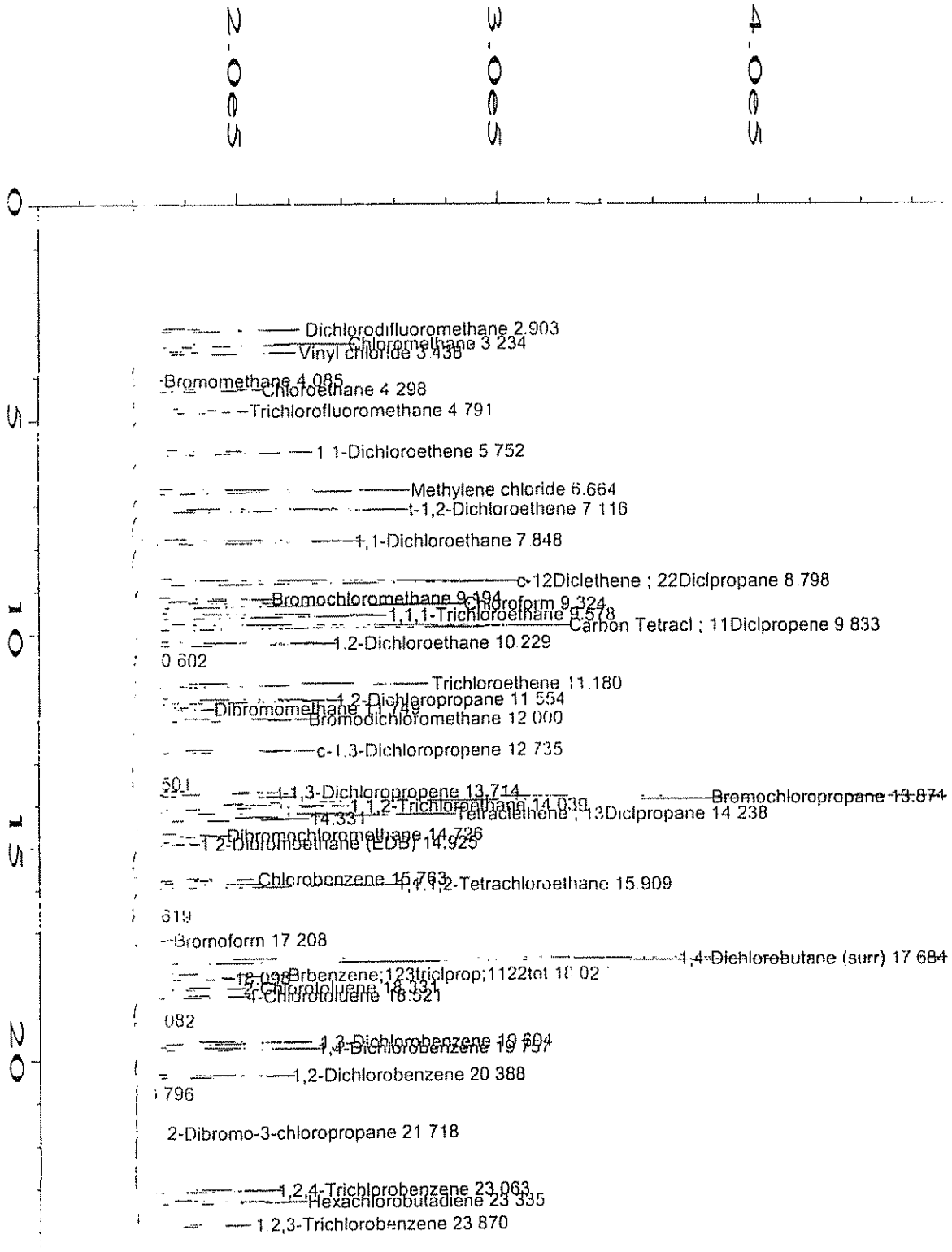
Data File Name	: C:\HPCHEM\1\DATA\092505\004R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 4
Sample Name	: v1	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 06:58 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 25 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 07:29 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\005F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.903	209879	BV	0.046	1	1.910	Dichlorodifluoromethane
3.234	313541	VV	0.054	1	1.905	Chloromethane
3.438	278376	VV	0.061	1	1.886	Vinyl chloride
4.085	57271	VV	0.064	1	1.973	Bromomethane
4.298	251790	VV	0.072	1	1.918	Chloroethane
4.791	337611	VV	0.104	1	1.943	Trichlorofluoromethane
5.752	403461	VV	0.087	1	1.887	1,1-Dichloroethene
6.664	474854	VV	0.066	1	1.910	Methylene chloride
7.116	436213	VV	0.063	1	1.921	t-1,2-Dichloroethene
7.848	436227	VV	0.071	1	1.911	1,1-Dichloroethane
8.798	728532	VV	0.073	1	3.716	c-12Diclethene ; 22Diclpropane
9.194	222113	VV	0.062	1	1.914	Bromochloromethane
9.324	558519	VV	0.067	1	1.929	Chloroform
9.578	498640	VV	0.076	1	1.893	1,1,1-Trichloroethane
9.833	800397	VV	0.071	1	3.925	Carbon Tetracl ; 11Diclpropene
10.229	342301	VV	0.066	1	1.932	1,2-Dichloroethane
11.180	451510	VV	0.061	1	1.860	Trichloroethene
11.554	383713	VV	0.071	1	2.016	1,2-Dichloropropane
11.749	140717	VV	0.064	1	1.955	Dibromomethane
12.000	319086	VV	0.070	1	2.011	Bromodichloromethane
12.735	302930	VV	0.065	1	1.931	c-1,3-Dichloropropene
13.714	208476	VV	0.057	1	1.927	t-1,3-Dichloropropene
13.871	1794265	VV	0.075	1-I	40.000	Bromochloropropane
14.039	406243	VV	0.071	1	1.998	1,1,2-Trichloroethane
14.238	508903	VV	0.064	1	3.864	Tetraclethene ; 13Diclpropane
14.726	171999	VV	0.069	1	1.967	Dibromochloromethane
14.925	154288	VV	0.081	1	2.016	1,2-Dibromoethane (EDB)
15.763	173521	VV	0.055	1	1.910	Chlorobenzene
15.909	474209	VV	0.069	1	1.959	1,1,1,2-Tetrachloroethane
17.208	70135	BV	0.061	1	2.004	Bromoform
17.684	1368373	PV	0.057	1	108.126	1,4-Dichlorobutane (surr)
18.027	278865	VV	0.068	1	5.807	Brbenzene;123triclprop;1122tet
18.331	168041	VV	0.057	1	1.929	2-Chlorotoluene
18.521	179808	VV	0.057	1	1.925	4-Chlorotoluene
19.604	232669	PV	0.050	1	1.860	1,3-Dichlorobenzene
19.757	261465	VV	0.056	1	1.844	1,4-Dichlorobenzene
20.388	221203	VV	0.052	1	1.884	1,2-Dichlorobenzene
21.718	29523	BB	0.070	1	1.884	1,2-Dibromo-3-chloropropane
22.063	188653	BV	0.053	1	1.952	1,2,4-Trichlorobenzene
23.335	251713	VV	0.060	1	1.919	Hexachlorobutadiene
23.870	153426	PV	0.053	1	2.019	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: V3	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 07:29 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	25 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

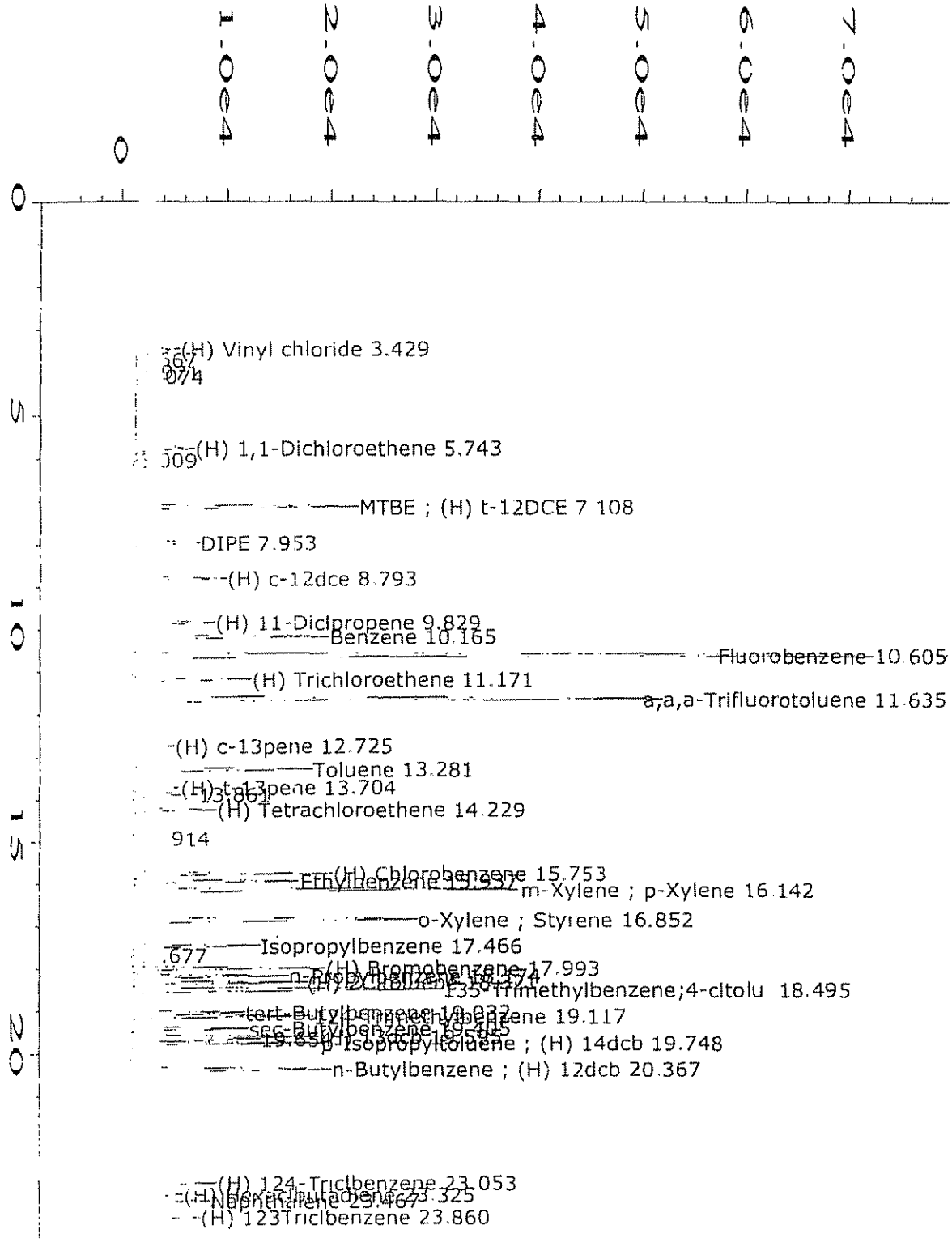
Data File Name : C:\HPCHEM\1\DATA\092505\005R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v2
Run Time Bar Code:
Acquired on : 25 Sep 05 07:29 PM
Report Created on: 26 Sep 05 08:04 AM
Last Recalib on : 26 SEP 05 07:47 AM
Multiplier : 1

Page Number : 1
Vial Number : 5
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Fig. 2 in C:\HPCHEM\1\DATA\092505\005R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.429	16615	PV	0.054	1	2.100	(H) Vinyl chloride
5.743	28201	BV	0.071	1	1.860	(H) 1,1-Dichloroethene
7.108	84445	BB	0.059	1	3.675	MTBE ; (H) t-12DCE
7.953	33383	BB	0.078	1	1.766	DIPE
8.793	32595	BB	0.056	1	1.874	(H) c-12dce
9.829	30079	BB	0.058	1	1.875	(H) 11-Diclpropene
10.165	69923	BB	0.057	1	1.842	Benzene
10.605	372362	BV	0.058	1-I	40.000	Fluorobenzene
11.171	41032	VB	0.055	1	1.869	(H) Trichloroethene
11.635	206523	BV	0.062	1	102.438	a,a,a-Trifluorotoluene
12.725	14754	BV	0.055	1	1.840	(H) c-13pene
13.281	66970	BV	0.059	1	1.897	Toluene
13.704	16734	VV	0.054	1	1.850	(H) t-13pene
14.229	31382	PB	0.059	1	1.882	(H) Tetrachloroethene
15.753	66681	BV	0.053	1	1.842	(H) Chlorobenzene
15.937	57392	VV	0.055	1	1.796	Ethylbenzene
16.142	132042	VB	0.055	1	3.544	m-Xylene ; p-Xylene
16.852	120112	BB	0.070	1	3.553	o-Xylene ; Styrene
17.466	44222	BV	0.055	1	1.812	Isopropylbenzene
17.993	60920	BV	0.051	1	1.770	(H) Bromobenzene
18.174	50227	VV	0.052	1	1.788	n-Propylbenzene
18.321	55498	VV	0.050	1	1.783	(H) 2Cltoluene
18.495	131113	VB	0.067	1	3.457	135-Trimethylbenzene;4-cltolu
19.032	38162	BV	0.053	1	1.774	tert-Butylbenzene
19.117	56589	VB	0.050	1	1.769	124-Trimethylbenzene
19.405	39010	BV	0.054	1	1.772	sec-Butylbenzene
19.595	56397	VV	0.047	1	1.793	(H) 13dcb
19.748	55193	VB	0.047	1	3.523	p-Isopropyltoluene ; (H) 14dcb
20.367	76403	BB	0.064	1	3.503	n-Butylbenzene ; (H) 12dcb
23.053	23891	BB	0.047	1	1.811	(H) 124-Triclbenzene
23.325	15603	BV	0.052	1	1.761	(H) Hexaclbutadiene
23.467	20807	VV	0.045	1	1.859	Naphthalene
23.860	18552	BB	0.046	1	1.846	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\092505\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: v2	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 07:29 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 25 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 25 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

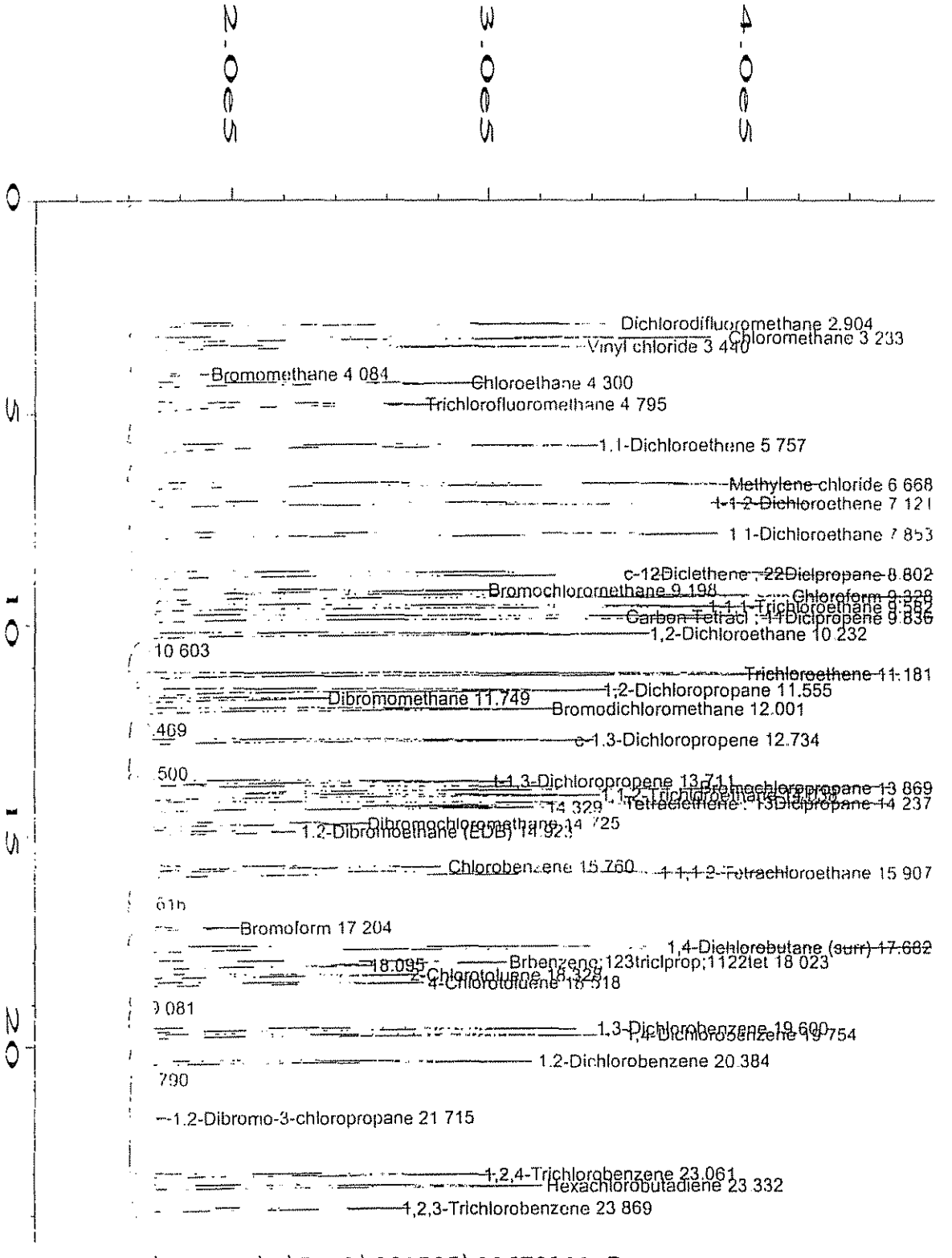
Internal Standard Report

Data File Name : C:\HPCHEM\1\DATA\092505\006F0101.D
Operator : MJC
Instrument : GC3
Sample Name : v5
Run Time Bar Code:
Acquired on : 25 Sep 05 08:00 PM
Report Created on: 26 Sep 05 08:04 AM
Last Recalib on : 26 SEP 05 07:59 AM
Multiplier : 1

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_HAL.MTH
Sample Amount : 0
ISTD Amount : 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\006F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.904	550828	BV	0.044	1	5.503	Dichlorodifluoromethane
3.233	829551	VV	0.052	1	5.575	Chloromethane
3.440	687641	VV	0.056	1	5.630	Vinyl chloride
4.084	146165	VV	0.066	1	5.003	Bromomethane
4.300	648341	VV	0.071	1	5.509	Chloroethane
4.795	860389	VV	0.098	1	5.507	Trichlorofluoromethane
5.757	1072342	VV	0.085	1	5.622	1,1-Dichloroethene
6.668	1178933	VV	0.067	1	5.740	Methylene chloride
7.121	1103371	VV	0.063	1	5.748	t-1,2-Dichloroethene
7.853	1119561	VV	0.071	1	5.711	1,1-Dichloroethane
8.802	1849764	VV	0.070	1	11.741	c-12Diclethene ; 22Diclpropane
9.198	576043	VV	0.061	1	5.598	Bromochloromethane
9.328	1403592	VV	0.067	1	5.726	Chloroform
9.582	1253738	VV	0.075	1	5.763	1,1,1-Trichloroethane
9.836	1971135	VV	0.071	1	11.914	Carbon Tetracl ; 11Diclpropene
10.232	854083	VV	0.063	1	5.715	1,2-Dichloroethane
11.181	1167812	VV	0.061	1	5.652	Trichloroethene
11.555	855070	VV	0.070	1	5.167	1,2-Dichloropropane
11.749	358131	VV	0.067	1	5.013	Dibromomethane
12.001	758681	VV	0.068	1	5.182	Bromodichloromethane
12.734	755762	VV	0.064	1	5.448	c-1,3-Dichloropropene
13.711	542273	VV	0.058	1	5.351	t-1,3-Dichloropropene
13.869	1848998	VV	0.071	1-I	40.000	Bromochloropropane
14.038	831843	VV	0.068	1	5.483	1,1,2-Trichloroethane
14.237	1237459	VV	0.064	1	11.428	Tetraclethene ; 13Diclpropane
14.725	418983	VV	0.066	1	5.245	Dibromochloromethane
14.923	362204	VV	0.076	1	5.343	1,2-Dibromoethane (EDB)
15.760	446260	VV	0.055	1	5.463	Chlorobenzene
15.907	1136372	VV	0.068	1	5.681	1,1,1,2-Tetrachloroethane
17.204	188025	PV	0.064	1	4.810	Bromoform
17.682	1353372	VV	0.057	1	103.776	1,4-Dichlorobutane (surr)
18.023	672182	VV	0.067	1	16.524	Brbenzene;123triclprop;1122tet
18.328	421485	VV	0.054	1	5.532	2-Chlorotoluene
18.518	438389	VV	0.056	1	5.535	4-Chlorotoluene
19.600	602943	PV	0.051	1	5.627	1,3-Dichlorobenzene
19.754	671792	VV	0.052	1	5.706	1,4-Dichlorobenzene
20.384	561324	VV	0.053	1	5.569	1,2-Dichlorobenzene
21.715	6895	BB	0.061	1	4.793	1,2-Dibromo-3-chloropropane
23.061	473403	BV	0.049	1	5.439	1,2,4-Trichlorobenzene
23.332	62129[illegible]	VV	0.059	1	5.558	Hexachlorobutadiene
23.869	366901	VV	0.054	1	5.266	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\006F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: V5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:00 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	25 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

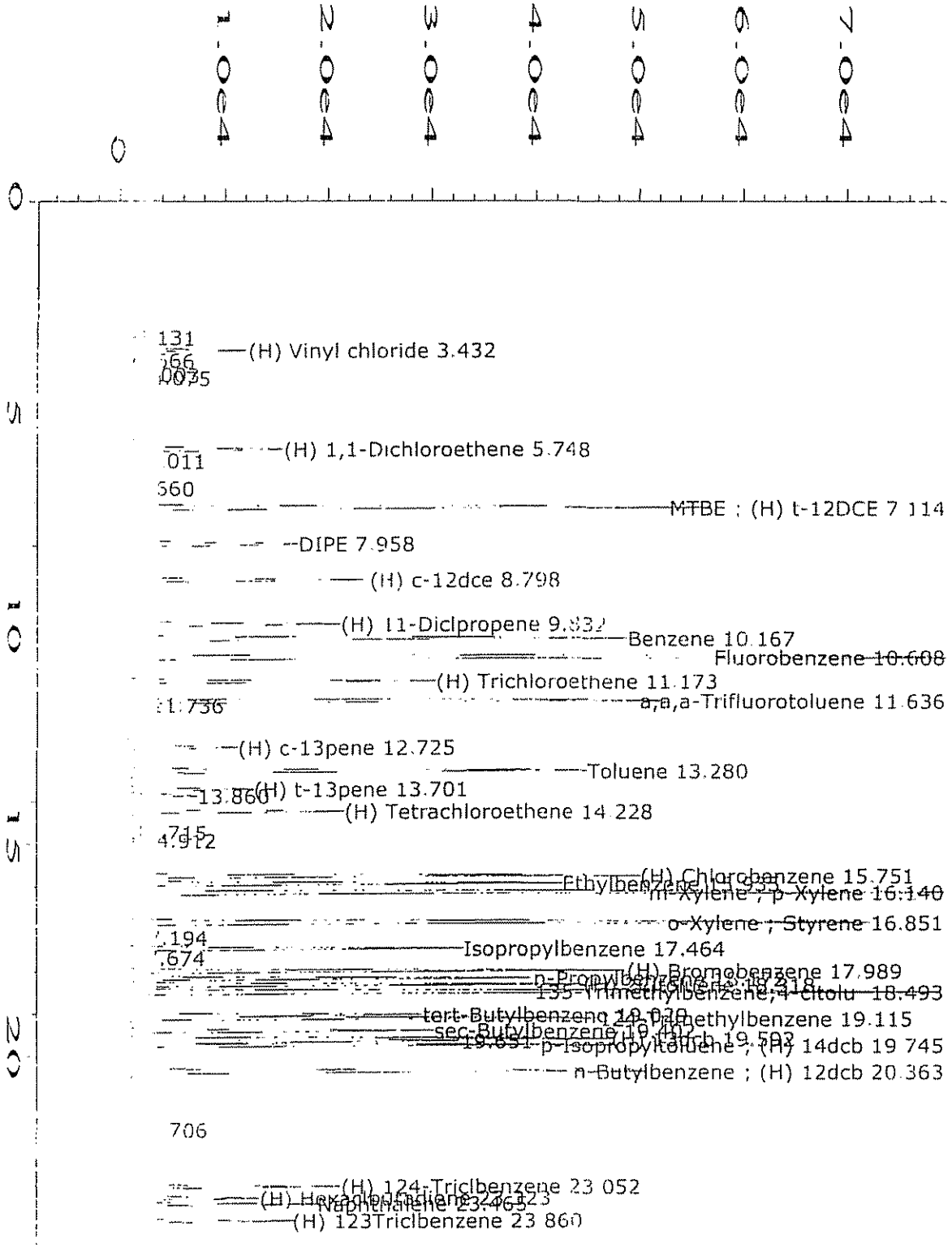
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\006R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:00 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\092505\006R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.432	35393	PV	0.047	1	5.204	(H) Vinyl chloride
5.748	73090	BV	0.074	1	5.108	(H) 1,1-Dichloroethene
7.114	211461	BB	0.059	1	10.021	MTBE ; (H) t-12DCE
7.958	82284	BB	0.078	1	4.888	DIPE
8.798	83660	BB	0.056	1	5.111	(H) c-12dce
9.832	77037	BV	0.058	1	5.108	(H) 11-Diclpropene
10.167	180759	VV	0.059	1	5.107	Benzene
10.608	379043	VV	0.058	1-I	40.000	Fluorobenzene
11.173	104381	VB	0.055	1	5.084	(H) Trichloroethene
11.636	203205	BV	0.062	1	99.017	a,a,a-Trifluorotoluene
12.725	36772	BV	0.055	1	4.986	(H) c-13pene
13.280	167676	BV	0.059	1	5.095	Toluene
13.701	41325	VV	0.053	1	4.984	(H) t-13pene
14.228	79585	VB	0.059	1	5.079	(H) Tetrachloroethene
15.751	168726	BV	0.053	1	5.072	(H) Chlorobenzene
15.935	146150	VV	0.054	1	5.099	Ethylbenzene
16.140	337350	VB	0.054	1	10.261	m-Xylene ; p-Xylene
16.851	305843	BB	0.068	1	10.208	o-Xylene ; Styrene
17.464	112775	BV	0.055	1	5.123	Isopropylbenzene
17.989	153233	BV	0.048	1	5.024	(H) Bromobenzene
18.172	128286	VV	0.052	1	5.117	n-Propylbenzene
18.318	142055	VV	0.050	1	5.117	(H) 2Cltoluene
18.493	336532	VV	0.070	1	10.269	135-Trimethylbenzene;4-cltolu
19.029	98601	BV	0.054	1	5.127	tert-Butylbenzene
19.115	146093	VV	0.050	1	5.121	124-Trimethylbenzene
19.402	100782	PV	0.054	1	5.128	sec-Butylbenzene
19.592	145043	VV	0.047	1	5.083	(H) 13dcb
19.745	140377	VB	0.046	1	10.187	p-Isopropyltoluene ; (H) 14dcb
20.363	195070	BV	0.063	1	10.174	n-Butylbenzene ; (H) 12dcb
23.052	59485	BV	0.046	1	4.985	(H) 124-Triclbenzene
23.323	40333	VV	0.052	1	5.095	(H) Hexaclbutadiene
23.465	51193	VB	0.045	1	4.887	Naphthalene
23.860	45526	BB	0.046	1	4.889	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



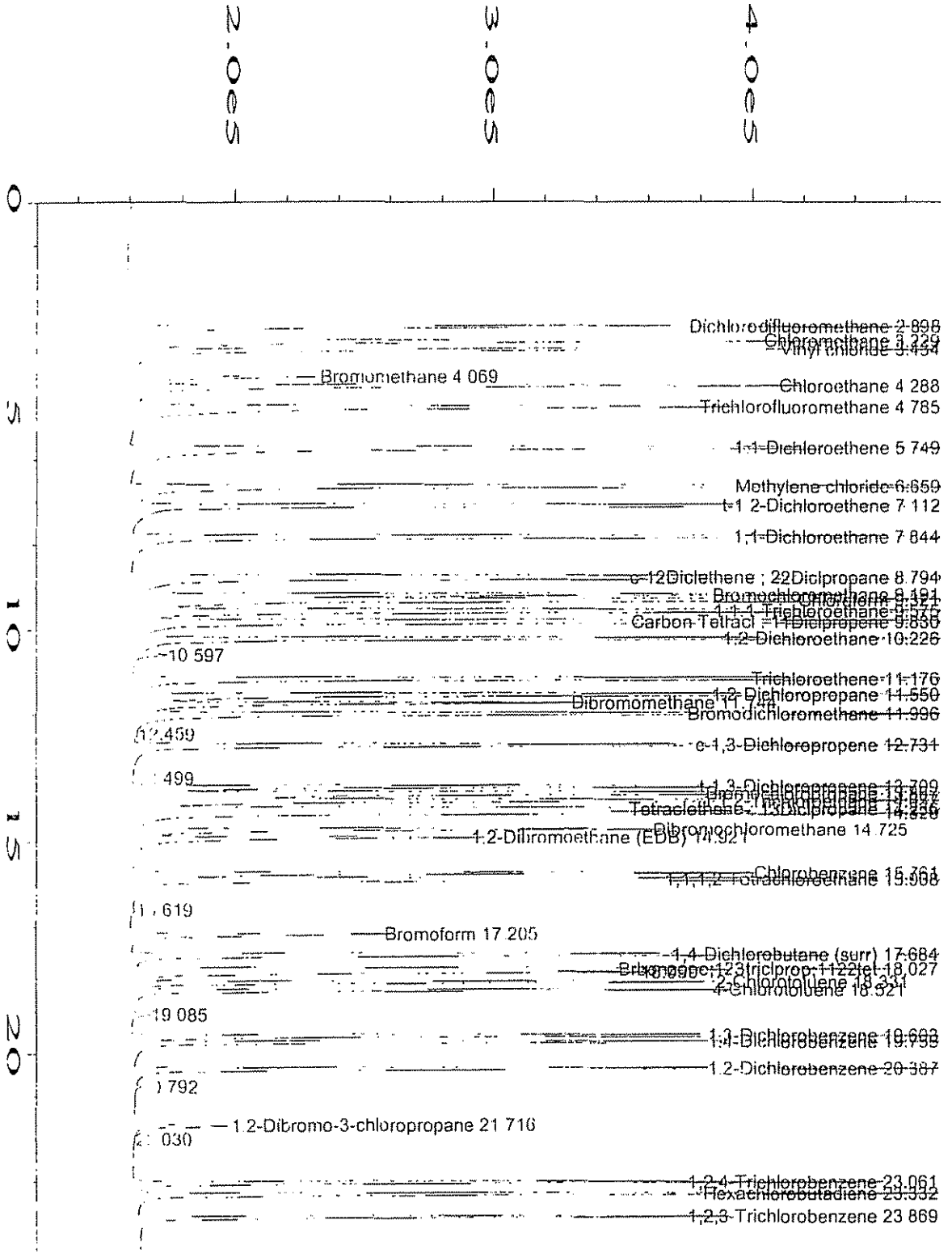
Data File Name	: C:\HPCHEM\1\DATA\092505\006R0101.D		
Operator	: NJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 6
Sample Name	: v5	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:00 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 25 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:30 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	25 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\007F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.898	1103271	BV	0.048	1	10.540	Dichlorodifluoromethane
3.229	1600195	VV	0.052	1	10.286	Chloromethane
3.434	1311272	VV	0.057	1	10.532	Vinyl chloride
4.069	319833	VV	0.065	1	10.202	Bromomethane
4.288	1278624	VV	0.070	1	10.439	Chloroethane
4.785	1672080	VV	0.097	1	10.274	Trichlorofluoromethane
5.749	2071533	VV	0.083	1	10.418	1,1-Dichloroethene
6.659	2212568	VV	0.067	1	10.553	Methylene chloride
7.112	2095894	VV	0.064	1	10.631	t-1,2-Dichloroethene
7.844	2140989	VV	0.074	1	10.589	1,1-Dichloroethane
8.794	3483819	VV	0.071	1	21.753	c-12Diclethene ; 22Diclpropane
9.191	1147254	VV	0.062	1	10.740	Bromochloromethane
9.321	2650163	VV	0.069	1	10.524	Chloroform
9.575	2393740	VV	0.074	1	10.781	1,1,1-Trichloroethane
9.830	3620572	VV	0.072	1	21.504	Carbon Tetracl ; 11Diclpropene
10.226	1639538	VV	0.063	1	10.708	1,2-Dichloroethane
11.176	2285760	VV	0.064	1	10.755	Trichloroethene
11.550	1798901	VV	0.069	1	10.708	1,2-Dichloropropane
11.744	812117	VV	0.069	1	10.646	Dibromomethane
11.996	1633412	VV	0.068	1	10.725	Bromodichloromethane
12.731	1549495	VV	0.064	1	10.813	c-1,3-Dichloropropene
13.709	1137180	VV	0.057	1	10.675	t-1,3-Dichloropropene
13.867	1999940	VV	0.070	1-I	40.000	Bromochloropropane
14.037	1597115	VV	0.067	1	10.919	1,1,2-Trichloroethane
14.236	2340523	VV	0.062	1	21.257	Tetraclethene ; 13Diclpropane
14.725	900060	VV	0.066	1	10.849	Dibromochloromethane
14.921	738994	VV	0.074	1	10.599	1,2-Dibromoethane (EDB)
15.761	899147	VV	0.057	1	10.577	Chlorobenzene
15.908	2194457	VV	0.068	1	10.808	1,1,1,2-Tetrachloroethane
17.205	438379	PV	0.066	1	10.077	Bromoform
17.684	1457524	VV	0.058	1	103.328	1,4-Dichlorobutane (surr)
18.027	1323647	VV	0.069	1	31.885	Brbenzene;123triclprop;1122tet
18.331	821765	VV	0.055	1	10.440	2-Chlorotoluene
18.521	861271	VV	0.058	1	10.640	4-Chlorotoluene
19.603	1195409	PV	0.054	1	10.835	1,3-Dichlorobenzene
19.755	1308999	VV	0.055	1	10.874	1,4-Dichlorobenzene
20.387	112374	VV	0.055	1	10.847	1,2-Dichlorobenzene
21.716	144060	BV	0.057	1	9.644	1,2-Dibromo-3-chloropropane
23.061	955998	BV	0.050	1	10.569	1,2,4-Trichlorobenzene
23.332	1219250	VV	0.060	1	10.645	Hexachlorobutadiene
23.869	773000	VBA	0.051	1	10.673	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code	:	Sequence Line	: 1
Acquired on	: 25 Sep 05 08:30 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

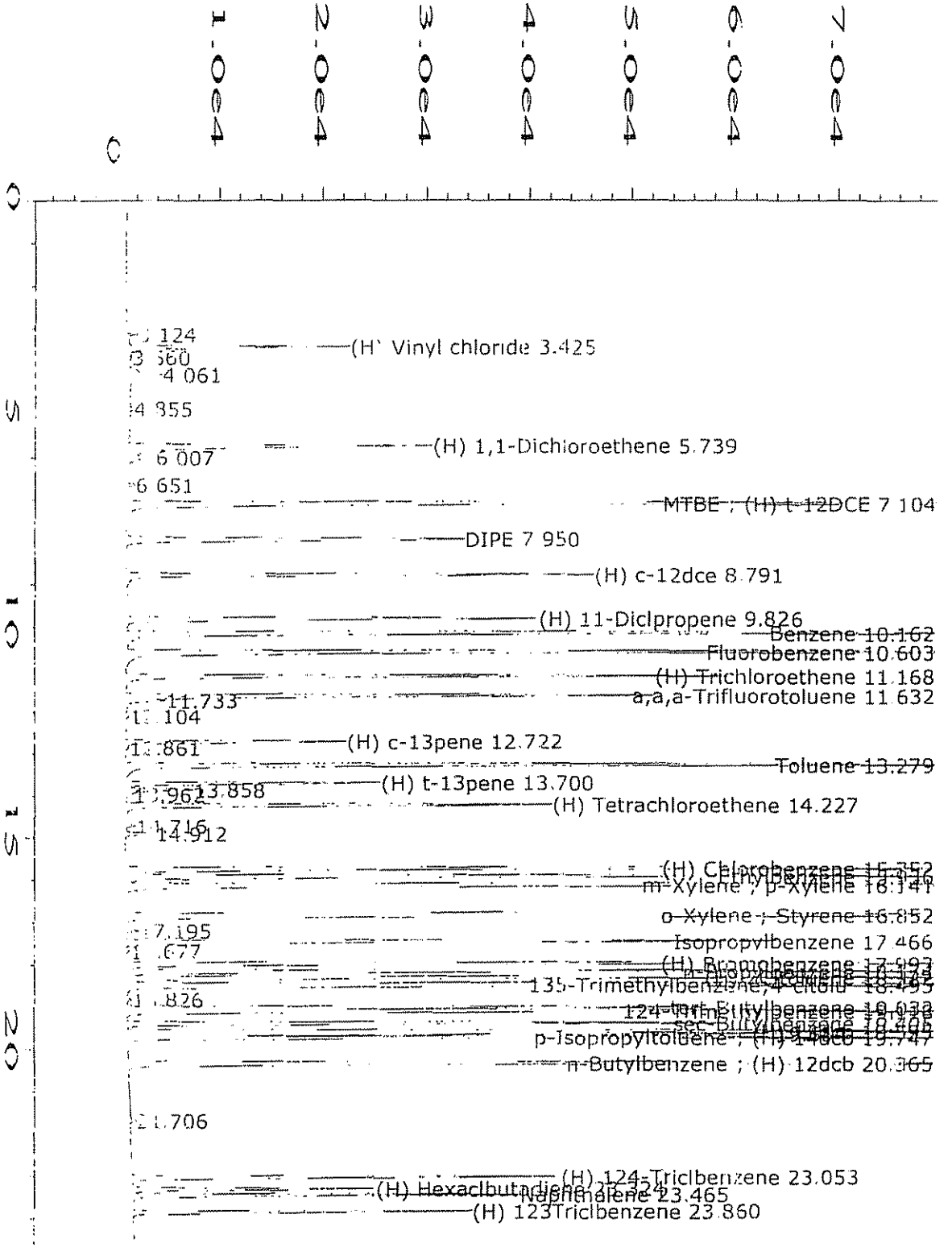
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:30 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\092505\007R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.425	66313	PV	0.046	1	10.289	(H) Vinyl chloride
5.739	146103	BV	0.072	1	10.349	(H) 1,1-Dichloroethene
7.104	426069	BB	0.059	1	20.667	MTBE ; (H) t-12DCE
7.950	166286	BB	0.079	1	10.216	DIPE
8.791	165309	BV	0.056	1	10.246	(H) c-12dce
9.826	151935	PV	0.058	1	10.225	(H) 11-Diclpropene
10.162	357362	VV	0.058	1	10.268	Benzene
10.603	382676	VV	0.058	1-I	40.000	Fluorobenzene
11.168	207925	VV	0.055	1	10.299	(H) Trichloroethene
11.632	203364	VV	0.062	1	98.153	a,a,a-Trifluorotoluene
12.722	75771	BV	0.055	1	10.522	(H) c-13pene
13.279	331215	BV	0.059	1	10.250	Toluene
13.700	85462	VV	0.054	1	10.573	(H) t-13pene
14.227	158071	VB	0.060	1	10.246	(H) Tetrachloroethene
15.752	335908	BV	0.053	1	10.323	(H) Chlorobenzene
15.936	288785	VV	0.054	1	10.368	Ethylbenzene
16.141	663290	VB	0.054	1	20.840	m-Xylene ; p-Xylene
16.852	607431	BV	0.069	1	20.932	o-Xylene ; Styrene
17.466	221966	BV	0.055	1	10.355	Isopropylbenzene
17.993	309831	BV	0.050	1	10.503	(H) Bromobenzene
18.174	252679	VV	0.050	1	10.380	n-Propylbenzene
18.322	280806	VV	0.051	1	10.421	(H) 2Cltoluene
18.495	663255	VV	0.070	1	21.018	135-Trimethylbenzene;4-cltolu
19.032	194494	VV	0.054	1	10.403	tert-Butylbenzene
19.118	288224	VV	0.050	1	10.400	124-Trimethylbenzene
19.405	198427	PV	0.055	1	10.391	sec-Butylbenzene
19.595	290424	VV	0.047	1	10.438	(H) 13dcb
19.747	280766	VV	0.046	1	21.091	p-Isopropyltoluene ; (H) 14dcb
20.365	389334	BB	0.063	1	21.011	n-Butylbenzene ; (H) 12dcb
23.053	122686	BV	0.046	1	10.585	(H) 124-Triclbenzene
23.324	79634	VV	0.052	1	10.350	(H) Hexaclbutadiene
23.465	109013	VV	0.045	1	10.614	Naphthalene
23.860	96140	BB	0.046	1	10.566	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



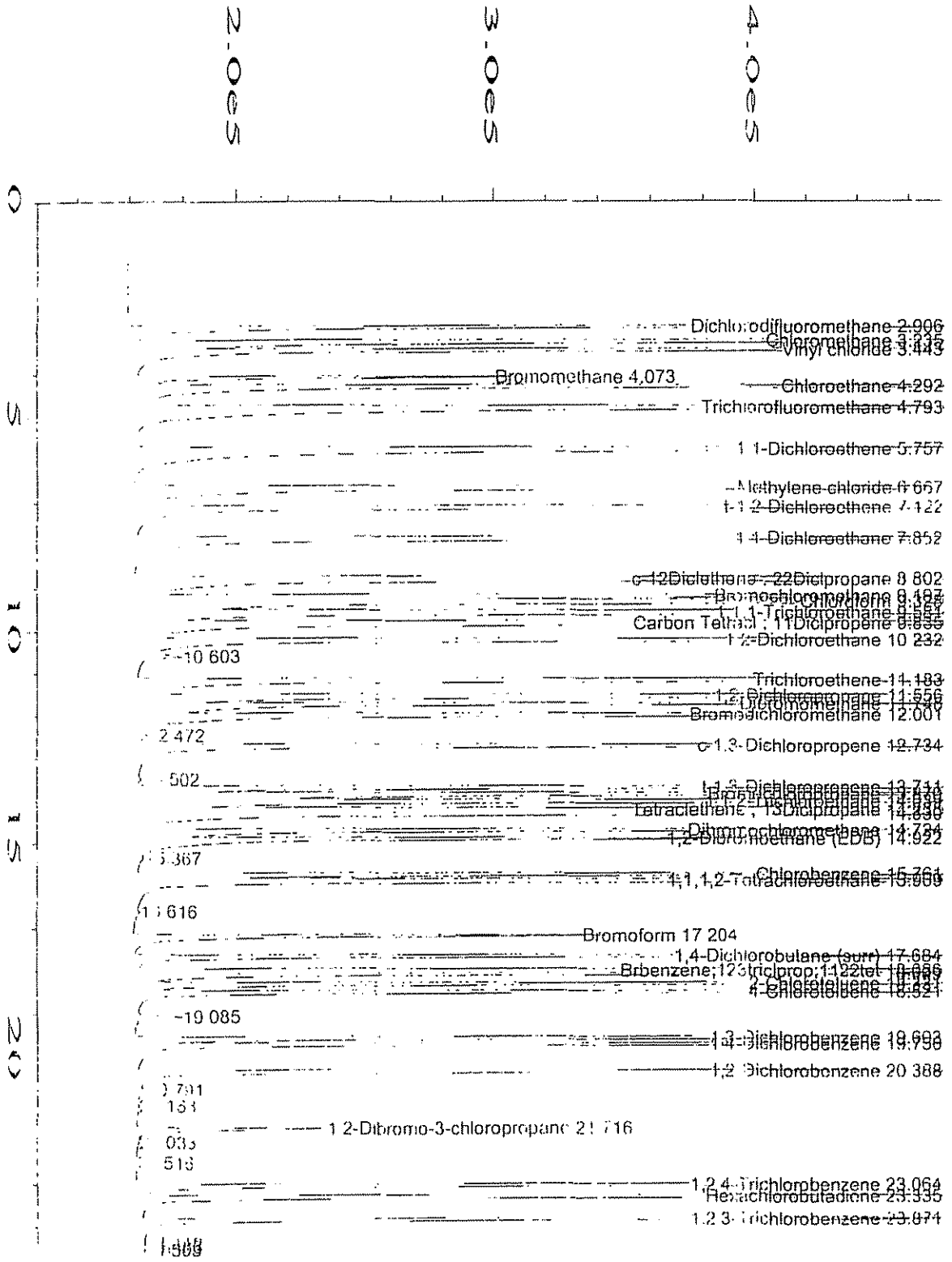
Data File Name	: C:\HPCHEM\1\DATA\092505\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: v10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 08:30 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

ata File Name	: C:\HPCHEM\1\DATA\092505\008F0101.D		
perator	: MJC	Page Number	: 1
nstrument	: GC3	Vial Number	: 8
ample Name	: v20	Injection Number	: 1
un Time Bar Code:		Sequence Line	: 1
cquired on	: 25 Sep 05 09:01 PM	Instrument Method:	8021_HAL.MTH
eport Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
ast Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
ultiplier	: 1	ISTD Amount	: 40

ig. 1 in C:\HPCHEM\1\DATA\092505\008F0101.D

et Time	Area	Type	Width	Ref#	µg/L	Name
2.906	2105145	BV	0.046	1	20.202	Dichlorodifluoromethane
3.235	3145668	VV	0.050	1	20.355	Chloromethane
3.443	2471759	VV	0.057	1	20.266	Vinyl chloride
4.073	549847	VV	0.057	1	17.355	Bromomethane
4.292	2424359	VV	0.077	1	19.940	Chloroethane
4.793	3226178	VV	0.102	1	19.985	Trichlorofluoromethane
5.757	4013599	VV	0.092	1	20.345	1,1-Dichloroethene
6.667	4135408	VV	0.069	1	20.137	Methylene chloride
7.122	3905646	VV	0.062	1	20.136	t-1,2-Dichloroethene
7.852	4001022	VV	0.076	1	20.057	1,1-Dichloroethane
8.802	6289515	VV	0.075	1	40.115	c-12Diclethene ; 22Diclpropane
9.197	2064608	VV	0.061	1	19.464	Bromochloromethane
9.328	4959623	VV	0.070	1	20.027	Chloroform
9.581	4383876	VV	0.077	1	20.117	1,1,1-Trichloroethane
9.835	6419934	VV	0.070	1	38.977	Carbon Tetracl ; 11Diclpropene
10.232	2985886	VV	0.062	1	19.818	1,2-Dichloroethane
11.183	4201103	VV	0.062	1	20.028	Trichloroethene
11.556	3335345	VV	0.067	1	20.159	1,2-Dichloropropane
11.748	1519774	VV	0.066	1	19.757	Dibromomethane
12.001	2984966	VV	0.070	1	19.666	Bromodichloromethane
12.734	2838263	VV	0.065	1	19.975	c-1,3-Dichloropropene
13.711	2092496	VV	0.058	1	19.637	t-1,3-Dichloropropene
13.870	2027546	VV	0.071	1-I	40.000	Bromochloropropane
14.039	2805902	VV	0.069	1	20.045	1,1,2-Trichloroethane
14.238	4300039	VV	0.063	1	39.901	Tetraclethene ; 13Diclpropane
14.724	1581896	VV	0.066	1	19.128	Dibromochloromethane
14.922	1333491	VV	0.071	1	19.323	1,2-Dibromoethane (EDB)
15.761	1695297	VV	0.057	1	20.070	Chlorobenzene
15.909	3927148	VV	0.071	1	19.728	1,1,1,2-Tetrachloroethane
17.204	779993	PV	0.064	1	17.495	Bromoform
17.684	1405258	VV	0.057	1	98.266	1,4-Dichlorobutane (surr)
18.026	2450711	VV	0.068	1	60.046	Brbenzene;123triclprop;1122tet
18.331	1553041	VV	0.058	1	19.967	2-Chlorotoluene
18.521	1593950	VV	0.057	1	20.015	4-Chlorotoluene
19.603	2179649	PV	0.052	1	19.987	1,3-Dichlorobenzene
19.756	2349162	VV	0.053	1	19.820	1,4-Dichlorobenzene
20.388	2027213	VV	0.055	1	19.796	1,2-Dichlorobenzene
21.716	280474	BV	0.060	1	18.899	1,2-Dibromo-3-chloropropane
23.064	1805525	PV	0.052	1	20.101	1,2,4-Trichlorobenzene
23.335	2333030	VV	0.060	1	20.702	Hexachlorobutadiene
23.871	1435865	VV	0.052	1	19.921	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\008F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v20	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 09:01 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

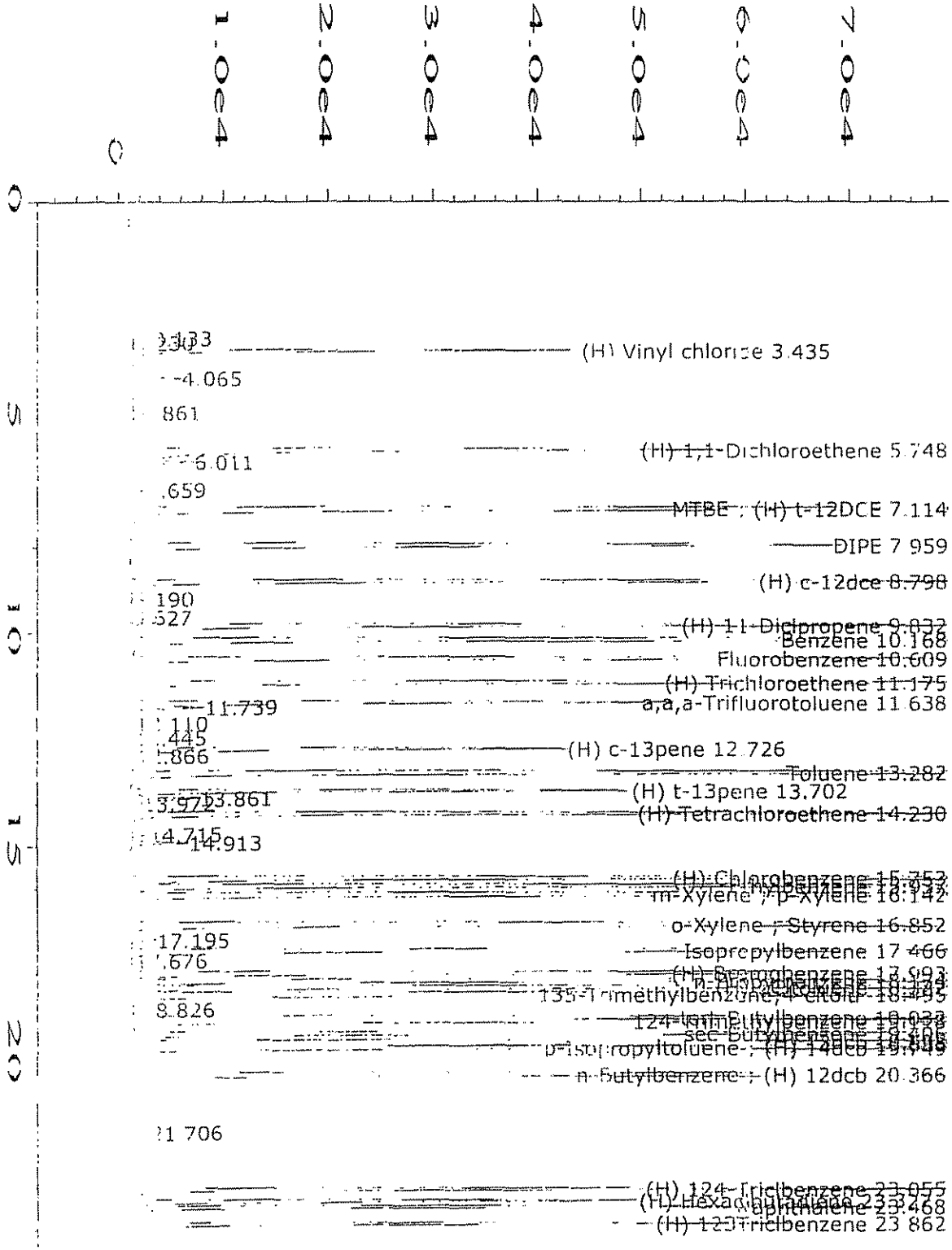
Data File Name : C:\HPCHEM\1\DATA\092505\008R0101.D
Operator : MJC
Instrument : GC3
Sample Name : v20
Run Time Bar Code:
Acquired on : 25 Sep 05 09:01 PM
Report Created on: 26 Sep 05 08:04 AM
Last Recalib on : 26 SEP 05 07:47 AM
Multiplier : 1

Page Number : 1
Vial Number : 8
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Peaks 2 in C:\HPCHEM\1\DATA\092505\008R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.435	122486	BV	0.044	1	19.221	(H) Vinyl chloride
5.748	291276	BV	0.075	1	20.446	(H) 1,1-Dichloroethene
7.114	850976	BB	0.060	1	41.087	MTBE ; (H) t-12DCE
7.959	347727	BB	0.080	1	21.383	DIPE
8.798	328995	BV	0.056	1	20.221	(H) c-12dce
9.832	304127	PV	0.059	1	20.303	(H) 11-Diclpropene
10.168	714843	VV	0.058	1	20.394	Benzene
10.609	390557	VB	0.059	1-I	40.000	Fluorobenzene
11.175	412300	BV	0.056	1	20.270	(H) Trichloroethene
11.638	205377	VV	0.062	1	97.124	a,a,a-Trifluorotoluene
12.726	146992	BV	0.055	1	20.300	(H) c-13pene
13.282	662529	BV	0.059	1	20.373	Toluene
13.702	164592	VV	0.053	1	20.260	(H) t-13pene
14.230	315954	VV	0.060	1	20.318	(H) Tetrachloroethene
15.753	667855	BV	0.053	1	20.425	(H) Chlorobenzene
15.937	575745	VV	0.054	1	20.639	Ethylbenzene
16.142	1314440	VB	0.054	1	41.317	m-Xylene ; p-Xylene
16.852	1195825	BV	0.068	1	41.193	o-Xylene ; Styrene
17.466	441653	BV	0.055	1	20.556	Isopropylbenzene
17.993	607315	BV	0.049	1	20.579	(H) Bromobenzene
18.174	502740	VV	0.050	1	20.633	n-Propylbenzene
18.322	555635	VV	0.049	1	20.598	(H) 2Cltoluene
18.495	1307464	VV	0.070	1	41.547	135-Trimethylbenzene;4-cltolu
19.032	385957	VV	0.054	1	20.611	tert-Butylbenzene
19.118	571862	VV	0.049	1	20.608	124-Trimethylbenzene
19.406	395132	PV	0.053	1	20.665	sec-Butylbenzene
19.595	572010	VV	0.047	1	20.481	(H) 13dcb
19.749	547355	VV	0.046	1	41.129	p-Isopropyltoluene ; (H) 14dcb
20.366	766447	PV	0.063	1	41.382	n-Butylbenzene ; (H) 12dcb
23.055	237381	BV	0.046	1	20.412	(H) 124-Triclbenzene
23.327	159555	PV	0.052	1	20.710	(H) Hexaclbutadiene
23.468	208703	VV	0.044	1	20.154	Naphthalene
23.862	185232	BB	0.046	1	20.223	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



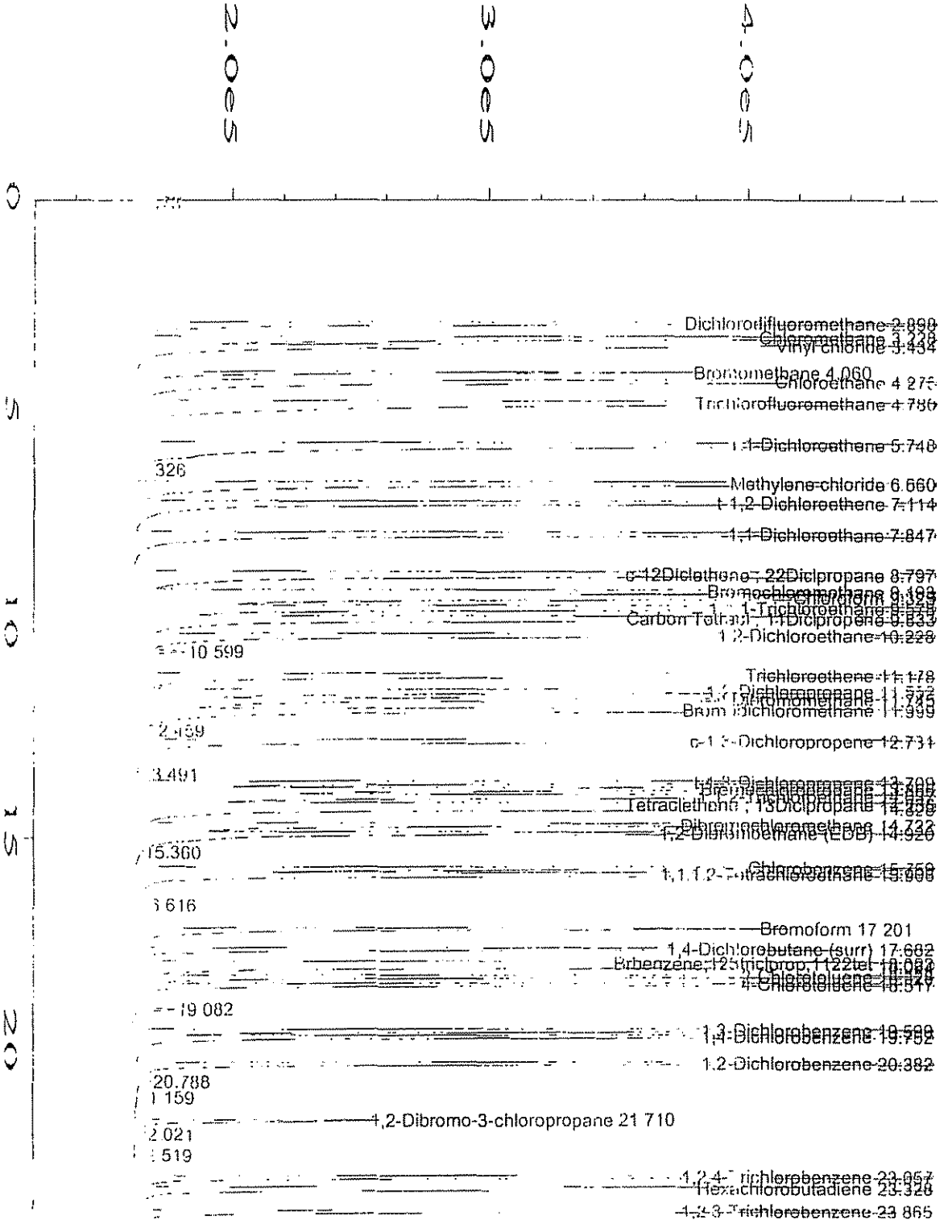
Data File Name	: C:\HPCHEM\1\DATA\092505\008R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 8
Sample Name	: v20	Injection Number	: 1
Bar Code Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 09:01 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: v25	Injection Number	: 1
Bin Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 09:32 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\009F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.898	2567911	BV	0.048	1	24.548	Dichlorodifluoromethane
3.228	3802369	VV	0.056	1	24.511	Chloromethane
3.434	2988244	VV	0.056	1	24.479	Vinyl chloride
4.060	794402	VV	0.054	1	24.923	Bromomethane
4.275	3022901	VV	0.075	1	24.794	Chloroethane
4.780	4018065	VV	0.106	1	24.820	Trichlorofluoromethane
5.748	4842881	VV	0.087	1	24.463	1,1-Dichloroethene
6.660	5044756	VV	0.069	1	24.555	Methylene chloride
7.114	4762791	VV	0.064	1	24.524	t-1,2-Dichloroethene
7.847	4917113	VV	0.075	1	24.609	1,1-Dichloroethane
8.797	7672134	VV	0.078	1	48.947	c-12Diclethene ; 22Diclpropane
9.193	2660683	VV	0.061	1	25.043	Bromochloromethane
9.325	6111052	VV	0.071	1	24.654	Chloroform
9.578	5337697	VV	0.076	1	24.480	1,1,1-Trichloroethane
9.833	8199748	VV	0.073	1	49.905	Carbon Tetracl ; 11Diclpropene
10.228	3730213	VV	0.065	1	24.752	1,2-Dichloroethane
11.178	5164191	VV	0.064	1	24.582	Trichloroethene
11.552	4071141	VV	0.070	1	24.573	1,2-Dichloropropane
11.745	1930667	VV	0.065	1	24.947	Dibromomethane
11.999	3799072	VV	0.069	1	24.955	Bromodichloromethane
12.731	3508507	VV	0.065	1	24.634	c-1,3-Dichloropropene
13.709	2671729	VV	0.059	1	24.973	t-1,3-Dichloropropene
13.866	2042566	VV	0.071	1-I	40.000	Bromochloropropane
14.037	3413954	VV	0.067	1	24.528	1,1,2-Trichloroethane
14.236	5316112	VV	0.067	1	49.353	Tetraclethene ; 13Diclpropane
14.722	2098632	VV	0.065	1	25.328	Dibromochloromethane
14.920	1743121	VV	0.073	1	25.248	1,2-Dibromoethane (EDB)
15.759	2088674	VV	0.057	1	24.648	Chlorobenzene
15.906	4929482	VV	0.069	1	24.790	1,1,1,2-Tetrachloroethane
17.201	1128053	VV	0.066	1	25.006	Bromoform
17.682	1495132	VV	0.058	1	103.782	1,4-Dichlorobutane (surr)
18.022	3021943	VV	0.071	1	73.989	Brbenzene;123triclprop;1122tet
18.328	1930143	VV	0.057	1	24.769	2-Chlorotoluene
18.517	1965092	VV	0.054	1	24.654	4-Chlorotoluene
19.599	2686033	VV	0.055	1	24.589	1,3-Dichlorobenzene
19.752	2927490	VV	0.056	1	24.694	1,4-Dichlorobenzene
20.382	2537029	VV	0.054	1	24.746	1,2-Dichlorobenzene
21.710	387213	VV	0.058	1	26.053	1,2-Dibromo-3-chloropropane
23.057	2219251	PV	0.053	1	24.630	1,2,4-Trichlorobenzene
23.328	2724013	VV	0.061	1	24.104	Hexachlorobutadiene
23.865	1790150	VBA	0.052	1	24.758	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\009F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: 3123	Vial Number	: 9
Sample Name	: V25	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 09:32 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

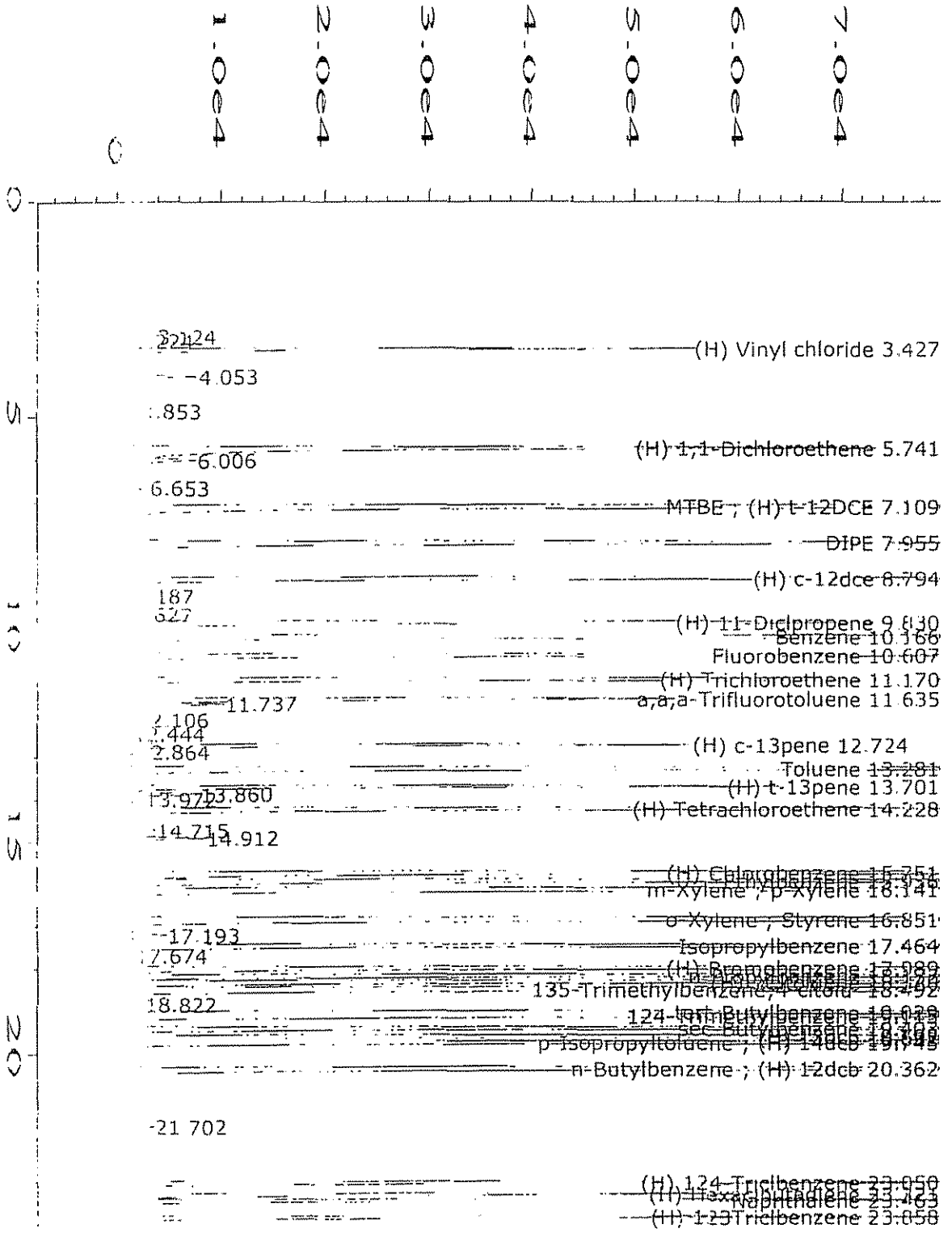
Data File Name : C:\HPCHEM\1\DATA\092505\009R0101.D
Operator : NJC
Instrument : GC3
Sample Name : V25
Lab Time Bar Code:
Acquired on : 25 Sep 05 09:32 PM
Report Created on: 26 Sep 05 08:04 AM
Last Recalib on : 26 SEP 05 07:47 AM
Multiplier : 1

Page Number : 1
Vial Number : 9
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Peg. 2 in C:\HPCHEM\1\DATA\092505\009R0101.D

Ret. Time	Area	Type	Width	Ref#	µg/L	Name
3.427	158742	BB	0.044	1	24.610	(H) Vinyl chloride
5.741	367001	BV	0.074	1	25.301	(H) 1,1-Dichloroethene
7.109	1089912	BV	0.061	1	51.738	MTBE ; (H) t-12DCE
7.955	429817	VB	0.080	1	25.992	DIPE
8.794	421747	BV	0.056	1	25.466	(H) c-12dce
9.830	387665	PV	0.059	1	25.424	(H) 11-Diclpropene
10.166	908613	VV	0.058	1	25.471	Benzene
10.607	398556	VB	0.058	1-I	40.000	Fluorobenzene
11.170	529993	BV	0.055	1	25.605	(H) Trichloroethene
11.635	208375	VV	0.061	1	96.564	a,a,a-Trifluorotoluene
12.724	190759	BV	0.055	1	25.906	(H) c-13pene
13.281	838595	BV	0.059	1	25.340	Toluene
13.701	215659	VV	0.053	1	26.111	(H) t-13pene
14.228	401029	VV	0.059	1	25.335	(H) Tetrachloroethene
15.751	848343	BV	0.053	1	25.505	(H) Chlorobenzene
15.936	724685	VV	0.054	1	25.551	Ethylbenzene
16.141	1651878	VB	0.055	1	51.091	m-Xylene ; p-Xylene
16.851	1511473	BV	0.069	1	51.231	o-Xylene ; Styrene
17.464	554529	BV	0.055	1	25.381	Isopropylbenzene
17.989	775369	BV	0.050	1	25.856	(H) Bromobenzene
18.172	627623	VV	0.050	1	25.335	n-Propylbenzene
18.320	698914	VV	0.051	1	25.487	(H) 2Cltoluene
18.492	1634601	VV	0.070	1	51.129	135-Trimethylbenzene;4-cltolu
19.029	481569	VV	0.054	1	25.288	tert-Butylbenzene
19.115	715033	VV	0.050	1	25.343	124-Trimethylbenzene
19.403	490507	PV	0.054	1	25.228	sec-Butylbenzene
19.592	727215	VV	0.047	1	25.605	(H) 13dcb
19.745	696195	VV	0.046	1	51.492	p-Isopropyltoluene ; (H) 14dcb
20.362	960036	PV	0.062	1	51.004	n-Butylbenzene ; (H) 12dcb
23.050	302710	BV	0.046	1	25.603	(H) 124-Triclbenzene
23.321	194291	PV	0.052	1	24.791	(H) Hexaclbutadiene
23.463	273133	VV	0.045	1	25.925	Naphthalene
23.858	239173	BV	0.045	1	25.671	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



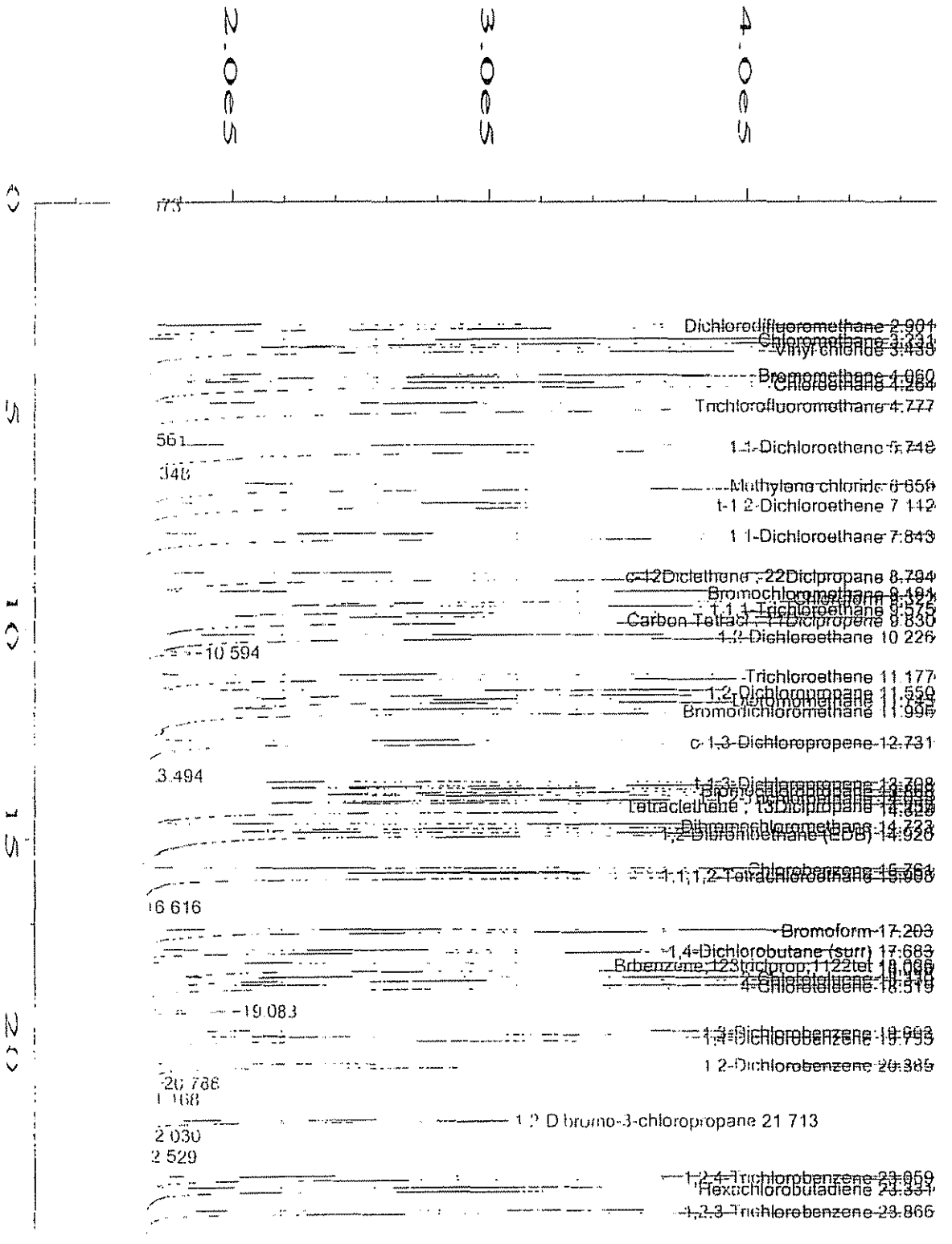
Data File Name	: C:\HPCHEM\1\DATA\092505\009R0101.D		
Operator	: TJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 9
Sample Name	: 8025	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 09:32 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 25 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\010F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 10
Sample Name	: 040	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 10:03 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	26 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\010F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.901	3965754	BV	0.048	1	37.237	Dichlorodifluoromethane
3.231	5913152	VV	0.053	1	37.456	Chloromethane
3.438	4516093	VV	0.059	1	36.510	Vinyl chloride
4.060	1105480	VV	0.053	1	33.902	Bromomethane
4.264	4571604	VV	0.079	1	36.850	Chloroethane
4.777	6151449	VV	0.108	1	37.348	Trichlorofluoromethane
5.748	7451455	VV	0.090	1	37.003	1,1-Dichloroethene
6.659	7525919	VV	0.072	1	36.146	Methylene chloride
7.112	6993929	VV	0.065	1	35.481	t-1,2-Dichloroethene
7.843	7224069	VV	0.076	1	35.590	1,1-Dichloroethane
8.794	1.13048E+007	VV	0.075	1	71.216	c-12Diclethene ; 22Diclpropane
9.191	3922643	VV	0.065	1	36.286	Bromochloromethane
9.322	8884033	VV	0.073	1	35.303	Chloroform
9.575	7938475	VV	0.079	1	35.918	1,1,1-Trichloroethane
9.830	1.14748E+007	VV	0.074	1	68.878	Carbon Tetracl ; 11Diclpropene
10.226	5421141	VV	0.067	1	35.439	1,2-Dichloroethane
11.177	7548777	VV	0.064	1	35.373	Trichloroethene
11.550	6030519	VV	0.072	1	35.861	1,2-Dichloropropane
11.743	2867437	VV	0.065	1	36.244	Dibromomethane
11.996	5700081	VV	0.072	1	36.763	Bromodichloromethane
12.731	5143333	VV	0.067	1	35.506	c-1,3-Dichloropropene
13.708	3876675	VV	0.058	1	35.525	t-1,3-Dichloropropene
13.868	2091331	VV	0.069	1-I	40.000	Bromochloropropane
14.038	5038876	VV	0.069	1	36.035	1,1,2-Trichloroethane
14.237	7669852	VV	0.064	1	70.239	Tetraclethene ; 13Diclpropane
14.723	3042869	VV	0.065	1	36.050	Dibromochloromethane
14.920	2746049	VV	0.076	1	39.164	1,2-Dibromoethane (EDB)
15.761	3218177	VV	0.059	1	37.327	Chlorobenzene
15.908	7167165	VV	0.068	1	35.559	1,1,1,2-Tetrachloroethane
17.203	1639175	PV	0.065	1	35.382	Bromoform
17.683	1457335	VV	0.057	1	98.799	1,4-Dichlorobutane (surr)
18.026	4465583	VV	0.071	1	107.759	Brbenzene;123triclprop;1122tet
18.330	2914237	VV	0.056	1	36.802	2-Chlorotoluene
18.519	2930717	VV	0.058	1	36.240	4-Chlorotoluene
19.603	4054073	PV	0.055	1	36.544	1,3-Dichlorobenzene
19.755	4338757	VV	0.054	1	36.077	1,4-Dichlorobenzene
20.385	3740859	VV	0.054	1	35.916	1,2-Dichlorobenzene
1.713	5808 1	BV	0.059	1	38.363	1,2-Dibromo-3-chloropropane
23.059	3354[illegible]	PV	0.055	1	36.589	1,2,4-Trichlorobenzene
23.331	4219[illegible]	VV	0.061	1	36.817	Hexachlorobutadiene
23.866	2612856	VBA	0.051	1	35.481	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\092505\010F0101.D		
Operator	: JC	Page Number	: 1
Instrument	: 23	Vial Number	: 10
Sample Name	: 10	Injection Number	: 1
Bar Code	:	Sequence Line	: 1
Acquired on	: 5 Sep 05 10:03 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 5 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 5 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

Internal Standard Report

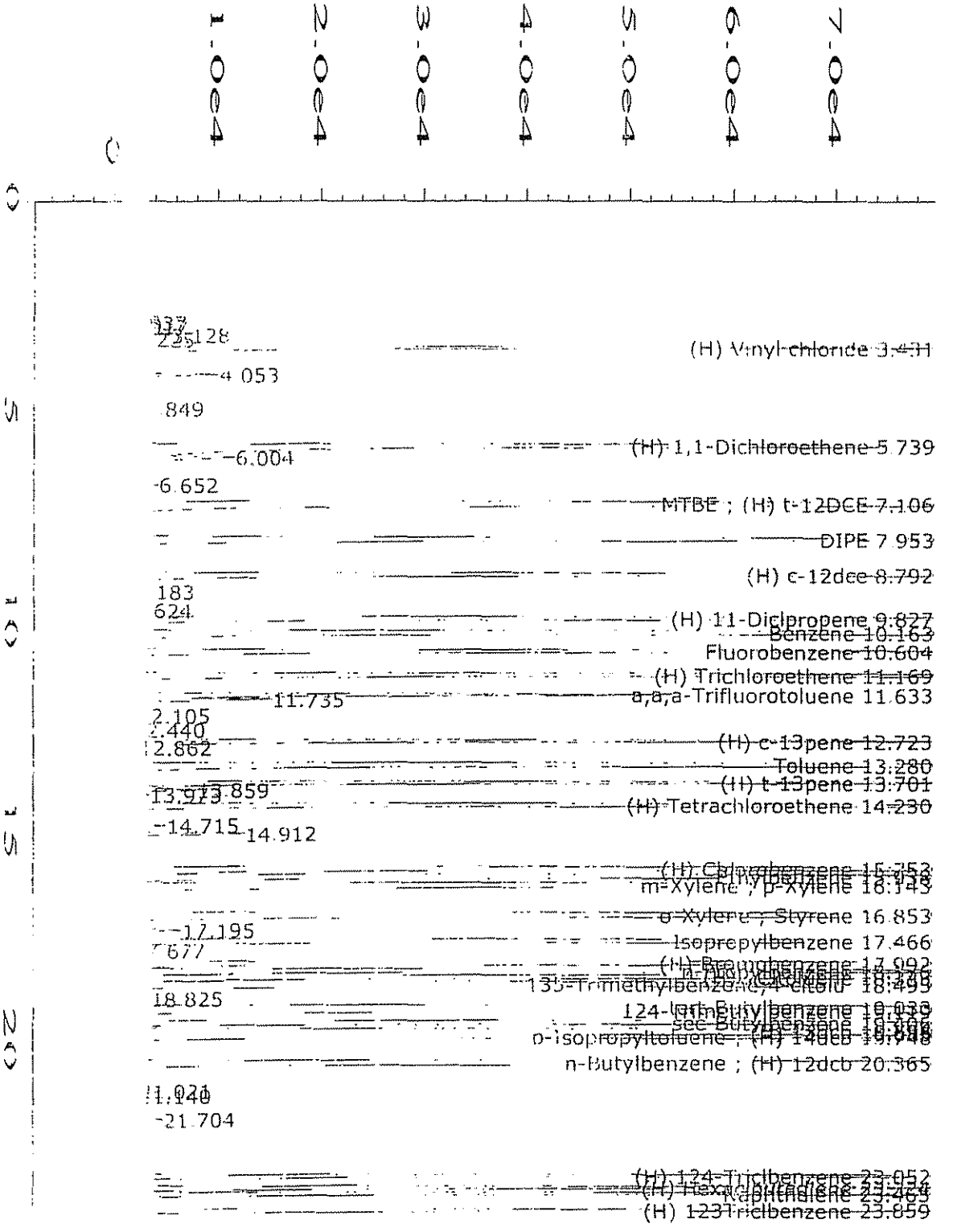
Data File Name : C:\HPCHEM\1\DATA\092505\010R0101.D
Operator : JC
Instrument : [illegible]03
Sample Name : [illegible]10
Run Time Bar Code:
Acquired on : 15 Sep 05 10:03 PM
Report Created on: 15 Sep 05 08:04 AM
Last Recalib on : 15 SEP 05 07:47 AM
Multiplier : 1

Page Number : 1
Vial Number : 10
Injection Number : 1
Sequence Line : 1
Instrument Method: 8021_HAL.MTH
Analysis Method : 8021_pid.MTH
Sample Amount : 0
ISTD Amount : 40

Rpg. 2 in C:\HPCHEM\1\DATA\092505\010R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.431	2619.[illegible]	VV	0.046	1	40.616	(H) Vinyl chloride
5.739	5938[illegible]	BV	0.076	1	40.610	(H) 1,1-Dichloroethene
7.106	17107[illegible]	BV	0.061	1	80.647	MTBE ; (H) t-12DCE
7.953	6677[illegible]	VB	0.080	1	40.145	DIPE
8.792	6726[illegible]	BV	0.058	1	40.293	(H) c-12dce
9.827	6189[illegible]	PV	0.060	1	40.277	(H) 11-Diclpropene
10.163	14472[illegible]	VV	0.059	1	40.265	Benzene
10.604	4031.[illegible]	VB	0.059	1-I	40.000	Fluorobenzene
11.169	8389[illegible]	BV	0.056	1	40.219	(H) Trichloroethene
11.633	2093[illegible]	VV	0.062	1	95.889	a,a,a-Trifluorotoluene
12.723	2991[illegible]	BV	0.055	1	40.338	(H) c-13pene
13.280	13415[illegible]	BV	0.060	1	40.244	Toluene
13.701	3360[illegible]	VV	0.054	1	40.406	(H) t-13pene
14.230	6425[illegible]	VV	0.060	1	40.280	(H) Tetrachloroethene
15.753	134740[illegible]	BV	0.054	1	40.234	(H) Chlorobenzene
15.938	11484[illegible]	VV	0.055	1	40.255	Ethylbenzene
16.143	261970[illegible]	VB	0.055	1	80.610	m-Xylene ; p-Xylene
16.853	238945[illegible]	BV	0.069	1	80.554	o-Xylene ; Styrene
17.466	8829[illegible]	PV	0.056	1	40.171	Isopropylbenzene
17.992	12199[illegible]	BV	0.050	1	40.458	(H) Bromobenzene
18.176	10030[illegible]	VV	0.052	1	40.266	n-Propylbenzene
18.323	11098[illegible]	VV	0.050	1	40.244	(H) 2Cltoluene
18.495	25891[illegible]	VV	0.068	1	80.631	135-Trimethylbenzene;4-cltolu
19.033	7715[illegible]	VV	0.054	1	40.291	tert-Butylbenzene
19.119	11435[illegible]	VV	0.050	1	40.305	124-Trimethylbenzene
19.406	7868[illegible]	VV	0.054	1	40.242	sec-Butylbenzene
19.596	115300[illegible]	VV	0.047	1	40.336	(H) 13dcb
19.748	10989[illegible]	VV	0.046	1	80.862	p-Isopropyltoluene ; (H) 14dcb
20.365	153040[illegible]	PV	0.063	1	80.901	n-Butylbenzene ; (H) 12dcb
23.052	4838.[illegible]	VV	0.045	1	40.676	(H) 124-Triclbenzene
23.324	3173[illegible]	VV	0.053	1	40.277	(H) Hexaclbutadiene
[illegible].465	4309[illegible]	VV	0.044	1	40.547	Naphthalene
23.859	382[illegible]	BV	0.046	1	40.741	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



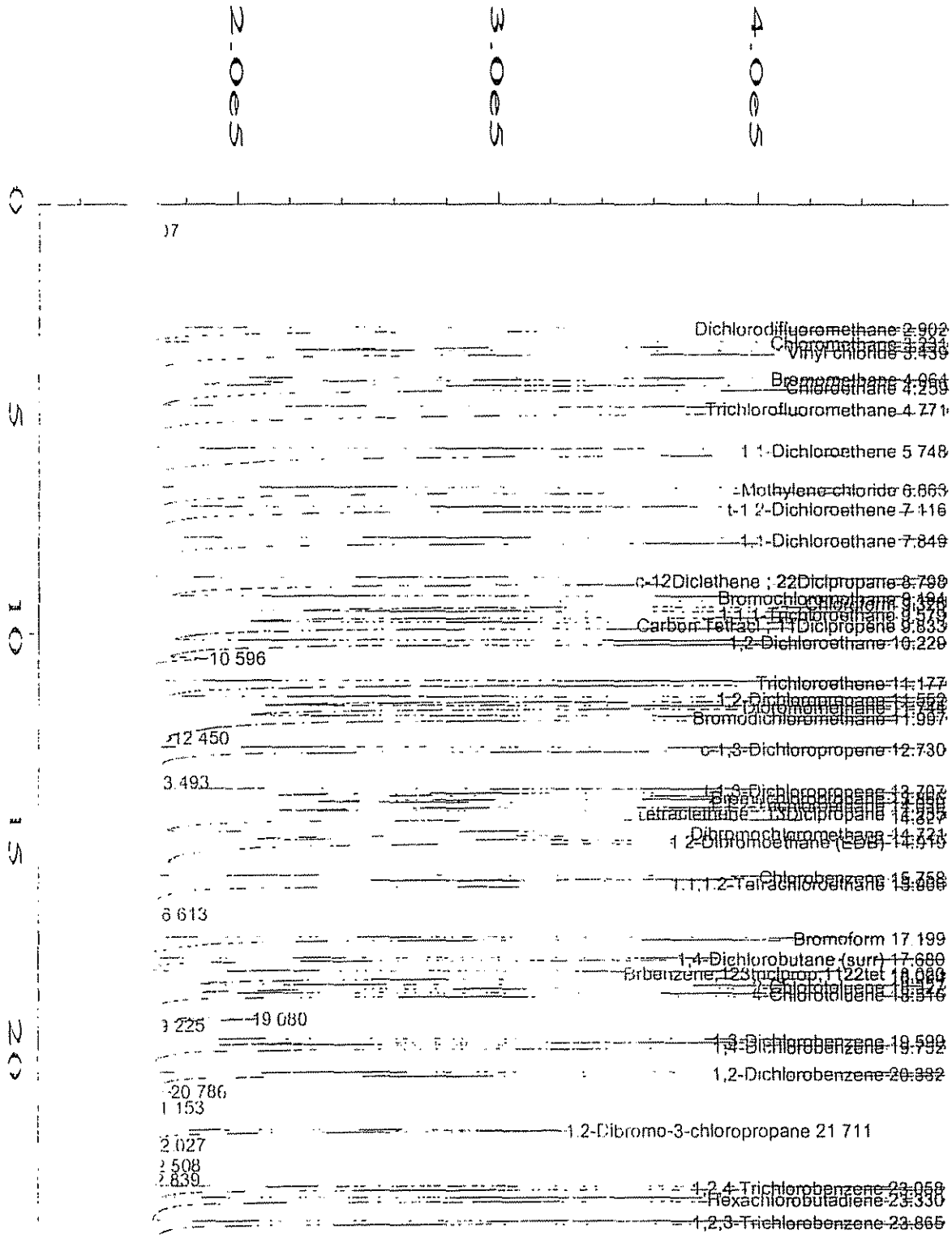
Data File Name	: \HPCHEM\1\DATA\092505\010R0101.D		
Operator	: JC	Page Number	: 1
Instrument	: 23	Vial Number	: 10
Sample Name	: 40	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 5 Sep 05 10:03 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 5 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 5 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\092505\011F0101.D		
Operator	: JC	Page Number	: 1
Instrument	: 123	Vial Number	: 11
Sample Name	: 150	Injection Number	: 1
On Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 10:34 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	25 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 25 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\092505\011F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.902	42488.0	BV	0.047	1	43.547	Dichlorodifluoromethane
3.231	64292.5	VV	0.057	1	44.464	Chloromethane
3.439	50279.7	VV	0.057	1	44.469	Vinyl chloride
4.064	13380.7	VV	0.053	1	44.746	Bromomethane
4.259	50210.9	VV	0.069	1	44.202	Chloroethane
4.771	68350.9	VV	0.115	1	45.327	Trichlorofluoromethane
5.748	82491.1	VV	0.096	1	44.744	1,1-Dichloroethene
6.663	83039.9	VV	0.072	1	43.629	Methylene chloride
7.116	76997.1	VV	0.065	1	42.712	t-1,2-Dichloroethene
7.849	79974.4	VV	0.077	1	43.071	1,1-Dichloroethane
8.798	1.23166E+07	VV	0.075	1	84.890	c-12Diclethene ; 22Diclpropane
9.194	42650.7	VV	0.064	1	43.093	Bromochloromethane
9.326	98254.4	VV	0.071	1	42.697	Chloroform
9.579	87273.5	VV	0.081	1	43.192	1,1,1-Trichloroethane
9.833	1.30537E+07	VV	0.078	1	85.830	Carbon Tetracl ; 11Diclpropene
10.229	59237.7	VV	0.067	1	42.342	1,2-Dichloroethane
11.177	83087.2	VV	0.064	1	42.562	Trichloroethene
11.552	66082.3	VV	0.070	1	42.962	1,2-Dichloropropane
11.744	31374.5	VV	0.068	1	43.242	Dibromomethane
11.997	62144.3	VV	0.072	1	43.759	Bromodichloromethane
12.730	56975.9	VV	0.066	1	42.977	c-1,3-Dichloropropene
13.707	42884.3	VV	0.060	1	42.893	t-1,3-Dichloropropene
13.866	19189.3	VV	0.072	1-I	40.000	Bromochloropropane
14.036	54484.9	VV	0.068	1	42.737	1,1,2-Trichloroethane
14.235	84769.7	VV	0.066	1	84.951	Tetraclethene ; 13Diclpropane
14.721	33888.9	VV	0.069	1	43.848	Dibromochloromethane
14.919	30478.5	VV	0.079	1	47.496	1,2-Dibromoethane (EDB)
15.758	34628.5	VV	0.060	1	43.853	Chlorobenzene
15.906	77796.0	VV	0.072	1	42.220	1,1,1,2-Tetrachloroethane
17.199	18562.5	VV	0.068	1	43.608	Bromoform
17.680	13141.	VV	0.058	1	97.092	1,4-Dichlorobutane (surr)
18.020	48227.1	VV	0.073	1	127.221	Brbenzene;123triclprop;1122tet
18.327	32113.7	VV	0.059	1	44.322	2-Chlorotoluene
18.516	32426.9	VV	0.058	1	43.845	4-Chlorotoluene
19.599	43762.5	VV	0.054	1	43.102	1,3-Dichlorobenzene
19.752	47064.3	VV	0.056	1	42.783	1,4-Dichlorobenzene
20.382	40967.5	VV	0.056	1	42.989	1,2-Dichlorobenzene
21.711	6570.0	VV	0.060	1	47.389	1,2-Dibromo-3-chloropropane
22.058	36307.7	PV	0.053	1	43.245	1,2,4-Trichlorobenzene
22.330	46146.	VV	0.060	1	44.016	Hexachlorobutadiene
23.865	29576.7	VBA	0.055	1	43.873	1,2,3-Trichlorobenzene



Data File Name	: \HPCHEM\1\DATA\092505\011F0101.D		
Operator	: JC	Page Number	: 1
Instrument	: 3	Vial Number	: 11
Sample Name	: 0	Injection Number	: 1
Data Time Bar Code	:	Sequence Line	: 1
Acquired on	: 5 Sep 05 10:34 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 5 Sep 05 08:04 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 5 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

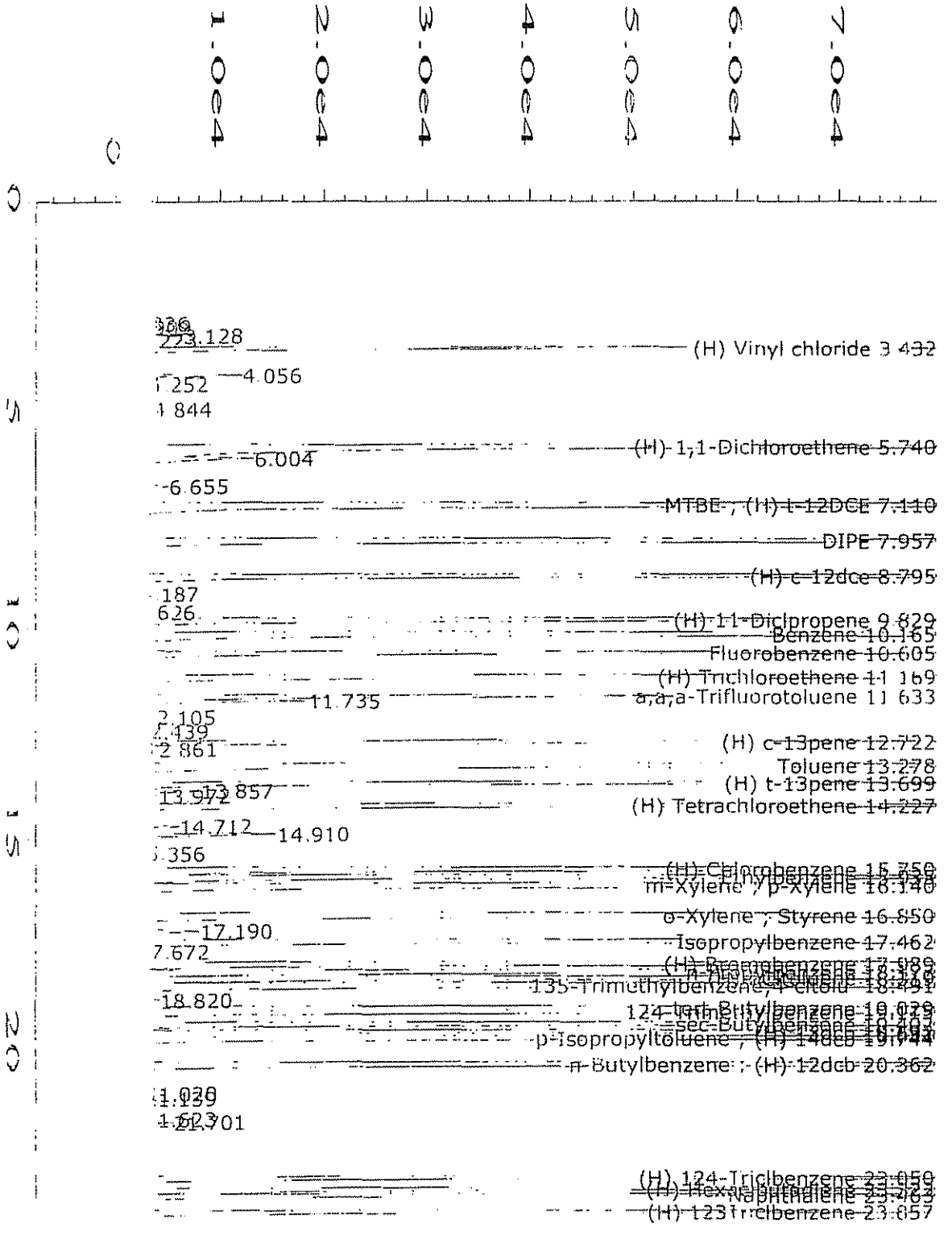
Internal Standard Report

Data File Name	: \HPCHEM\1\DATA\092505\011R0101.D		
Operator	: JC	Page Number	: 1
Instrument	: 23	Vial Number	: 11
Sample Name	: 50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 25 Sep 05 10:34 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	25 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 25 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

Peak 2 in C:\HPCHEM\1\DATA\092505\011R0101.D

Peak	Time	Area	Type	Width	Ref#	µg/L	Name
1	3.432	3215	VV	0.044	1	49.737	(H) Vinyl chloride
2	5.740	7237	BV	0.078	1	49.269	(H) 1,1-Dichloroethene
3	7.110	21075	BV	0.062	1	98.941	MTBE ; (H) t-12DCE
4	7.957	8233	VB	0.080	1	49.319	DIPE
5	8.795	8321	BV	0.057	1	49.627	(H) c-12dce
6	9.829	7658	PV	0.060	1	49.613	(H) 11-Diclpropene
7	10.165	17899	VV	0.059	1	49.580	Benzene
8	10.605	4054	VB	0.059	1-I	40.000	Fluorobenzene
9	11.169	10403	BV	0.056	1	49.660	(H) Trichloroethene
10	11.633	2089	VV	0.062	1	95.189	a,a,a-Trifluorotoluene
11	12.722	3687	BV	0.056	1	49.521	(H) c-13pene
12	13.278	16608	BV	0.060	1	49.607	Toluene
13	13.699	4131	VV	0.054	1	49.473	(H) t-13pene
14	14.227	7948	VV	0.060	1	49.603	(H) Tetrachloroethene
15	15.750	16674	BV	0.054	1	49.585	(H) Chlorobenzene
16	15.935	14168	VV	0.055	1	49.474	Ethylbenzene
17	16.140	32235	VB	0.055	1	98.830	m-Xylene ; p-Xylene
18	16.850	29447	BV	0.069	1	98.911	o-Xylene ; Styrene
19	17.462	10938	VV	0.056	1	49.574	Isopropylbenzene
20	17.989	14926	BV	0.049	1	49.319	(H) Bromobenzene
21	18.172	12368	VV	0.049	1	49.464	n-Propylbenzene
22	18.319	13698	VV	0.051	1	49.489	(H) 2Cltoluene
23	18.491	31797	VV	0.070	1	98.692	135-Trimethylbenzene;4-cltolu
24	19.029	9504	VV	0.054	1	49.448	tert-Butylbenzene
25	19.115	14080	VV	0.049	1	49.440	124-Trimethylbenzene
26	19.402	9708	VV	0.054	1	49.469	sec-Butylbenzene
27	19.592	14195	VV	0.048	1	49.461	(H) 13dcb
28	19.744	13456	VV	0.046	1	98.664	p-Isopropyltoluene ; (H) 14dcb
29	20.362	18710	PV	0.062	1	98.550	n-Butylbenzene ; (H) 12dcb
30	23.050	5875	VV	0.045	1	49.197	(H) 124-Triclbenzene
31	23.322	3910	VV	0.053	1	49.434	(H) Hexaclbutadiene
32	23.463	5268	VV	0.044	1	49.403	Naphthalene
33	23.857	4639	VV	0.046	1	49.230	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: \HPCHEM\1\DATA\092505\011R0101.D		
Operator	: FC	Page Number	: 1
Instrument	: 3	Vial Number	: 11
Sample Name	: 50	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 5 Sep 05 10:34 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	5 Sep 05 08:04 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 5 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	:	ISTD Amount	: 40

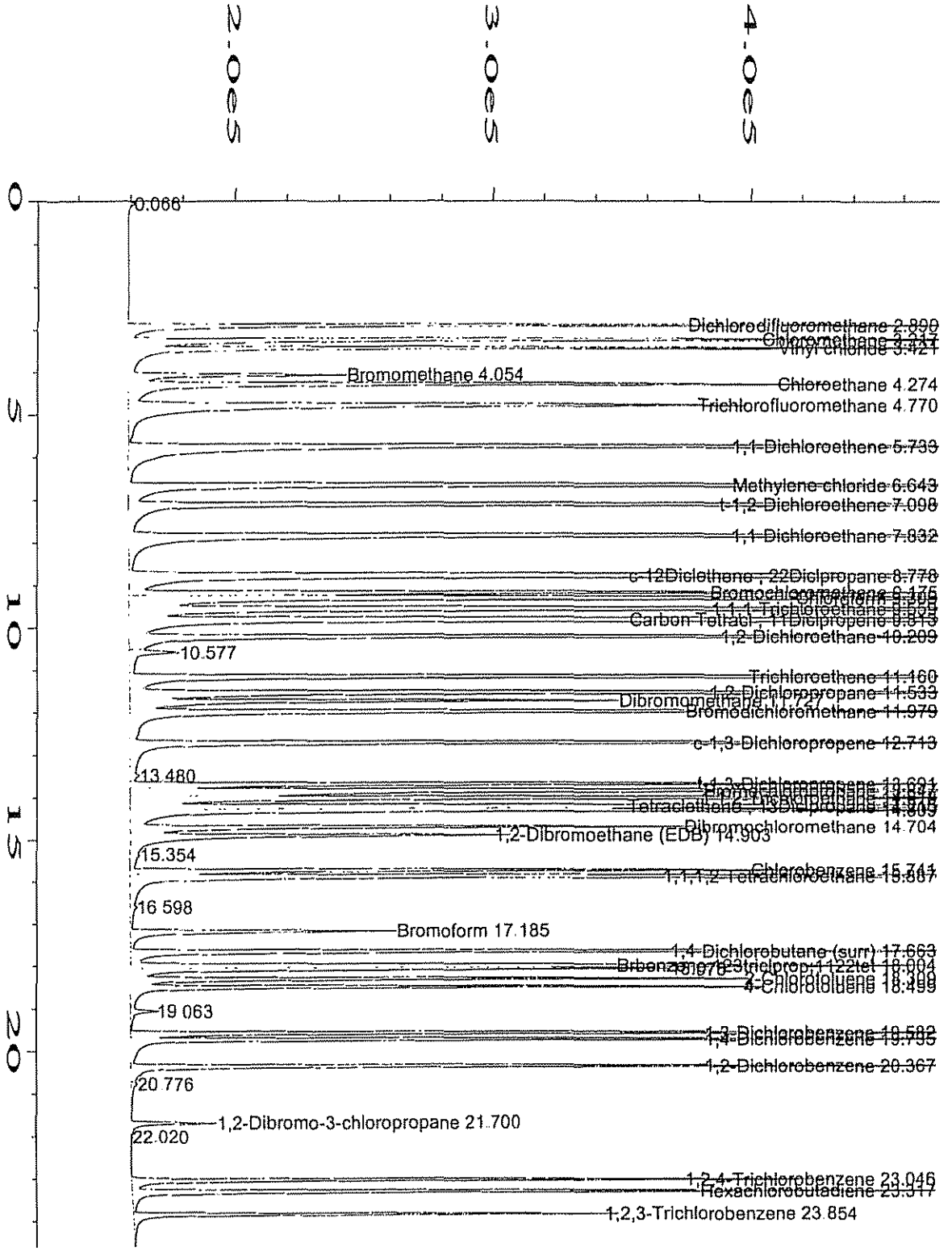
601/602 CVS Raw Data

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 10:05 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 10:30 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\101005\003F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.890	1222333	BV	0.045	1	10.969	Dichlorodifluoromethane
3.217	1597458	VV	0.049	1	9.602	Chloromethane
3.421	1294979	VV	0.055	1	9.697	Vinyl chloride
4.054	368478	VV	0.064	1	11.030	Bromomethane
4.274	1301761	VV	0.070	1	9.946	Chloroethane
4.770	1705942	VV	0.096	1	9.811	Trichlorofluoromethane
5.733	2246079	VV	0.083	1	10.602	1,1-Dichloroethene
6.643	2367382	VV	0.065	1	10.593	Methylene chloride
7.098	2267721	VV	0.060	1	10.798	t-1,2-Dichloroethene
7.832	2358396	VV	0.078	1	10.960	1,1-Dichloroethane
8.778	3878392	VV	0.071	1	22.790	c-12Diclethene ; 22Diclpropane
9.175	1229216	VV	0.058	1	10.795	Bromochloromethane
9.305	2889821	VV	0.066	1	10.779	Chloroform
9.559	2566707	VV	0.072	1	10.846	1,1,1-Trichloroethane
9.813	4203456	VV	0.072	1	23.577	Carbon Tetracl ; 11Diclpropene
10.209	1760452	VV	0.063	1	10.789	1,2-Dichloroethane
11.160	2446224	VV	0.061	1	10.797	Trichloroethene
11.533	1959395	VV	0.069	1	10.953	1,2-Dichloropropane
11.727	844989	VV	0.064	1	10.386	Dibromomethane
11.979	1803500	VV	0.068	1	11.121	Bromodichloromethane
12.713	1683338	VV	0.065	1	11.027	c-1,3-Dichloropropene
13.691	1183610	VV	0.058	1	10.413	t-1,3-Dichloropropene
13.847	2132424	VV	0.072	1-I	40.000	Bromochloropropane
14.018	1670495	VV	0.069	1	10.682	1,1,2-Trichloroethane
14.216	2476556	VV	0.062	1	21.082	Tetraclethene ; 13Diclpropane
14.704	958181	VV	0.065	1	10.831	Dibromochloromethane
14.903	781490	VV	0.079	1	10.507	1,2-Dibromoethane (EDB)
15.741	960754	VV	0.059	1	10.600	Chlorobenzene
15.887	2401437	VV	0.064	1	11.115	1,1,1,2-Tetrachloroethane
17.185	456257	VV	0.063	1	9.843	Bromoform
17.663	1521496	VV	0.058	1	101.161	1,4-Dichlorobutane (surr)
18.004	1364228	VV	0.061	1	30.748	Brbenzene;123triclprop;1122tet
18.309	877821	VV	0.055	1	10.461	2-Chlorotoluene
18.499	918233	VV	0.055	1	10.638	4-Chlorotoluene
19.582	1214805	VV	0.051	1	10.297	1,3-Dichlorobenzene
19.735	1349568	VV	0.053	1	10.490	1,4-Dichlorobenzene
20.367	1130689	VV	0.055	1	10.200	1,2-Dichlorobenzene
21.700	131811	BV	0.058	1	8.216	1,2-Dibromo-3-chloropropane
23.046	884775	BV	0.050	1	9.111	1,2,4-Trichlorobenzene
23.317	1199657	VV	0.055	1	9.770	Hexachlorobutadiene
23.854	647367	VBA	0.056	1	8.289	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\003F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 10:05 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 10:30 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

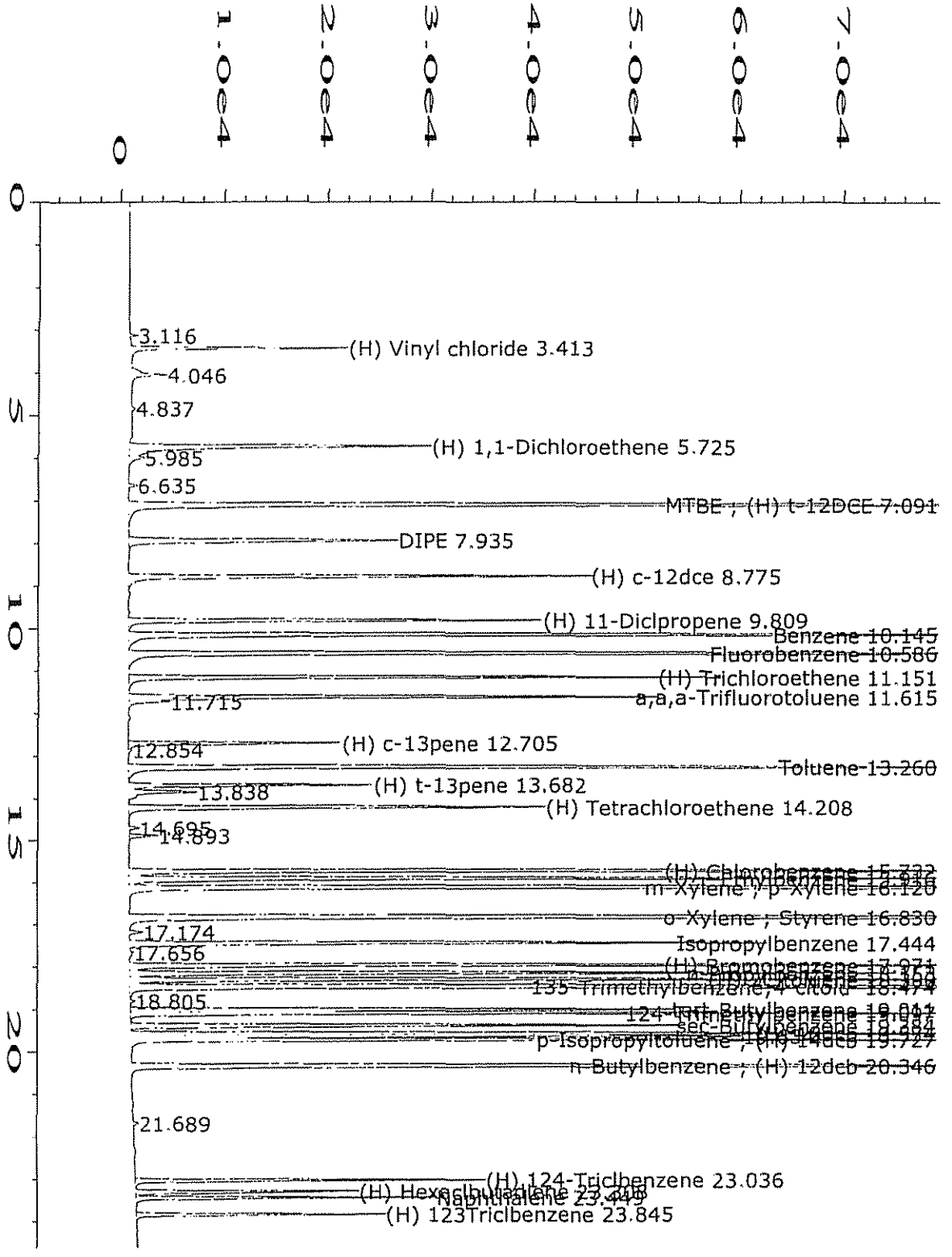
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\003R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 10:05 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 10:30 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\003R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.413	60409	BB	0.044	1	9.344	(H) Vinyl chloride
5.725	147041	BV	0.075	1	10.456	(H) 1,1-Dichloroethene
7.091	422997	BB	0.060	1	20.592	MTBE ; (H) t-12DCE
7.935	132667	BB	0.079	1	8.095	DIPE
8.775	168100	BV	0.057	1	10.463	(H) c-12dce
9.809	152956	BV	0.059	1	10.335	(H) 11-Diclpropene
10.145	359045	VV	0.058	1	10.357	Benzene
10.586	381265	VB	0.058	1-I	40.000	Fluorobenzene
11.151	204275	BV	0.055	1	10.152	(H) Trichloroethene
11.615	204196	PV	0.063	1	98.919	a,a,a-Trifluorotoluene
12.705	73782	BV	0.056	1	10.276	(H) c-13pene
13.260	330702	BV	0.059	1	10.273	Toluene
13.682	81649	VV	0.054	1	10.124	(H) t-13pene
14.208	154369	VB	0.059	1	10.038	(H) Tetrachloroethene
15.732	328029	BV	0.053	1	10.112	(H) Chlorobenzene
15.916	288640	VV	0.054	1	10.402	Ethylbenzene
16.120	661803	VB	0.055	1	20.872	m-Xylene ; p-Xylene
16.830	596300	BV	0.070	1	20.611	o-Xylene ; Styrene
17.444	218257	BV	0.055	1	10.215	Isopropylbenzene
17.971	306306	BV	0.050	1	10.419	(H) Bromobenzene
18.153	244167	VV	0.051	1	10.055	n-Propylbenzene
18.300	277846	VV	0.050	1	10.347	(H) 2Cltoluene
18.474	642963	VV	0.068	1	20.423	135-Trimethylbenzene;4-cltolu
19.011	183291	PV	0.054	1	9.818	tert-Butylbenzene
19.097	277803	VV	0.050	1	10.048	124-Trimethylbenzene
19.384	185118	VV	0.054	1	9.704	sec-Butylbenzene
19.574	273875	VV	0.047	1	9.860	(H) 13dcb
19.727	266888	VV	0.047	1	20.080	p-Isopropyltoluene ; (H) 14dcb
20.346	363658	BB	0.062	1	19.640	n-Butylbenzene ; (H) 12dcb
23.036	101382	BV	0.046	1	8.714	(H) 124-Triclbenzene
23.308	72976	VV	0.052	1	9.488	(H) Hexaclbutadiene
23.449	85505	VB	0.045	1	8.297	Naphthalene
23.845	72494	BB	0.047	1	7.921	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



Data File Name	: C:\HPCHEM\1\DATA\101005\003R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 3
Sample Name	: qchk010	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 10:05 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 10:30 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

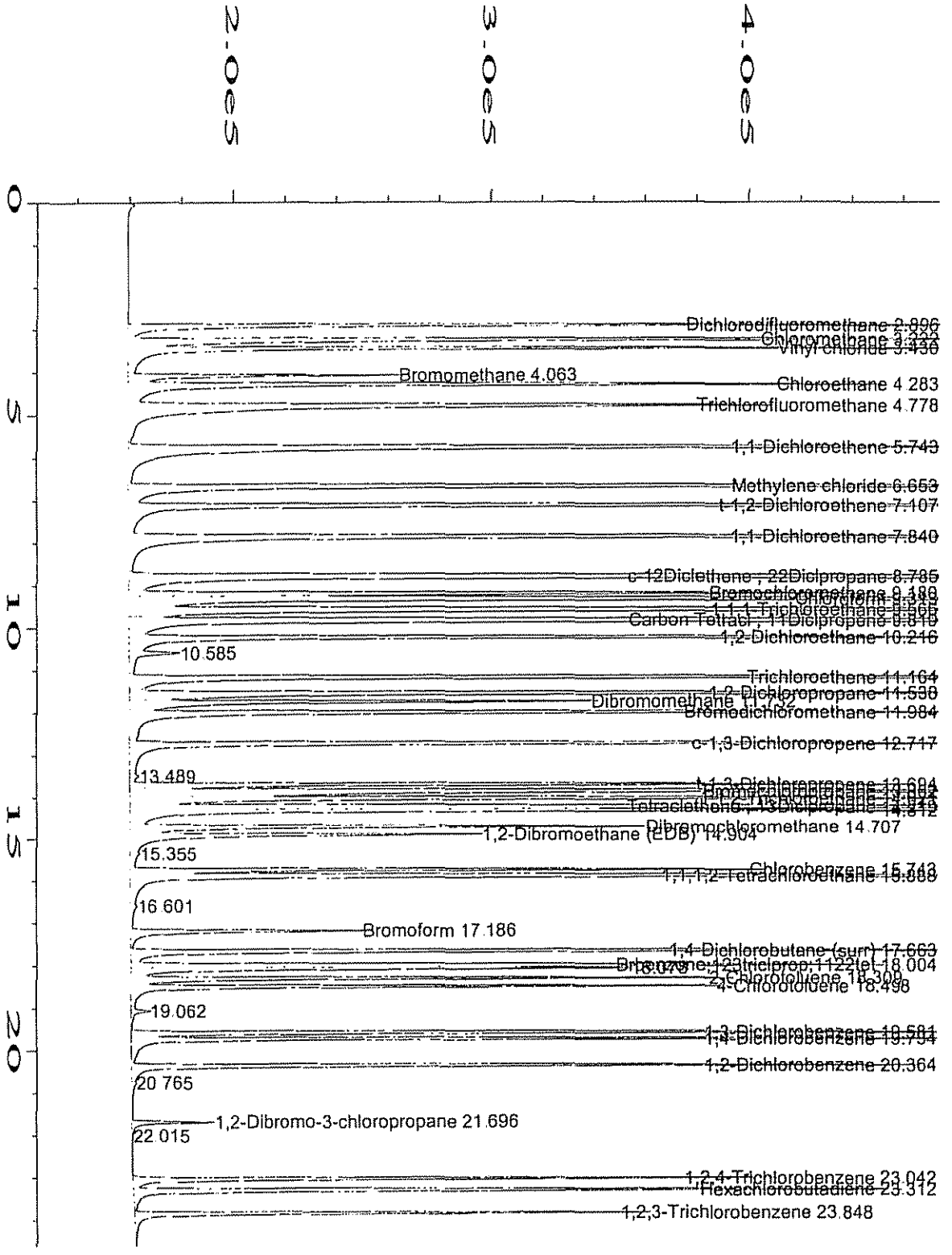
601/602 QC, Blanks Raw Data

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 11:07 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 11:31 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\101005\005F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.896	1289520	BV	0.044	1	11.738	Dichlorodifluoromethane
3.222	1678477	VV	0.052	1	10.238	Chloromethane
3.430	1380902	VV	0.054	1	10.527	Vinyl chloride
4.063	410743	VV	0.055	1	12.452	Bromomethane
4.283	1366408	VV	0.071	1	10.595	Chloroethane
4.778	1791329	VV	0.097	1	10.455	Trichlorofluoromethane
5.743	2228219	VV	0.082	1	10.645	1,1-Dichloroethene
6.653	2304300	VV	0.063	1	10.422	Methylene chloride
7.107	2222782	VV	0.061	1	10.705	t-1,2-Dichloroethene
7.840	2291312	VV	0.078	1	10.765	1,1-Dichloroethane
8.785	3706473	VV	0.074	1	21.983	c-12Diclethene ; 22Diclpropane
9.180	1172686	VV	0.059	1	10.404	Bromochloromethane
9.313	2797740	VV	0.065	1	10.546	Chloroform
9.566	2518941	VV	0.073	1	10.767	1,1,1-Trichloroethane
9.819	3998320	VV	0.069	1	22.627	Carbon Tetracl ; 11Diclpropene
10.216	1647221	VV	0.063	1	10.177	1,2-Dichloroethane
11.164	2396424	VV	0.059	1	10.699	Trichloroethene
11.538	1890182	VV	0.068	1	10.677	1,2-Dichloropropane
11.732	804979	VV	0.066	1	10.008	Dibromomethane
11.984	1732773	VV	0.071	1	10.802	Bromodichloromethane
12.717	1596575	VV	0.066	1	10.563	c-1,3-Dichloropropene
13.694	1114993	VV	0.055	1	9.912	t-1,3-Dichloropropene
13.852	2107157	VV	0.069	1-I	40.000	Bromochloropropane
14.021	1547190	VV	0.065	1	9.916	1,1,2-Trichloroethane
14.219	2443324	VV	0.060	1	21.045	Tetraclethene ; 13Diclpropane
14.707	883771	VV	0.064	1	10.080	Dibromochloromethane
14.904	732993	VV	0.075	1	9.943	1,2-Dibromoethane (EDB)
15.743	922702	VV	0.055	1	10.289	Chlorobenzene
15.888	2317885	VV	0.069	1	10.838	1,1,1,2-Tetrachloroethane
17.186	407019	VV	0.066	1	8.910	Bromoform
17.663	1449207	VV	0.060	1	97.510	1,4-Dichlorobutane (surr)
18.004	1279903	VV	0.061	1	29.082	Brbenzene;123triclprop;1122tet
18.309	854972	VV	0.059	1	10.302	2-Chlorotoluene
18.498	880404	VV	0.056	1	10.301	4-Chlorotoluene
19.581	1160981	VV	0.050	1	9.939	1,3-Dichlorobenzene
19.734	1286805	VV	0.055	1	10.096	1,4-Dichlorobenzene
20.364	1057329	VV	0.052	1	9.619	1,2-Dichlorobenzene
21.696	125844	PV	0.057	1	7.925	1,2-Dibromo-3-chloropropane
23.042	840105	BV	0.051	1	8.736	1,2,4-Trichlorobenzene
23.312	1139938	VV	0.057	1	9.368	Hexachlorobutadiene
23.848	693053	VBA	0.055	1	9.017	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\005F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 11:07 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 11:31 AM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

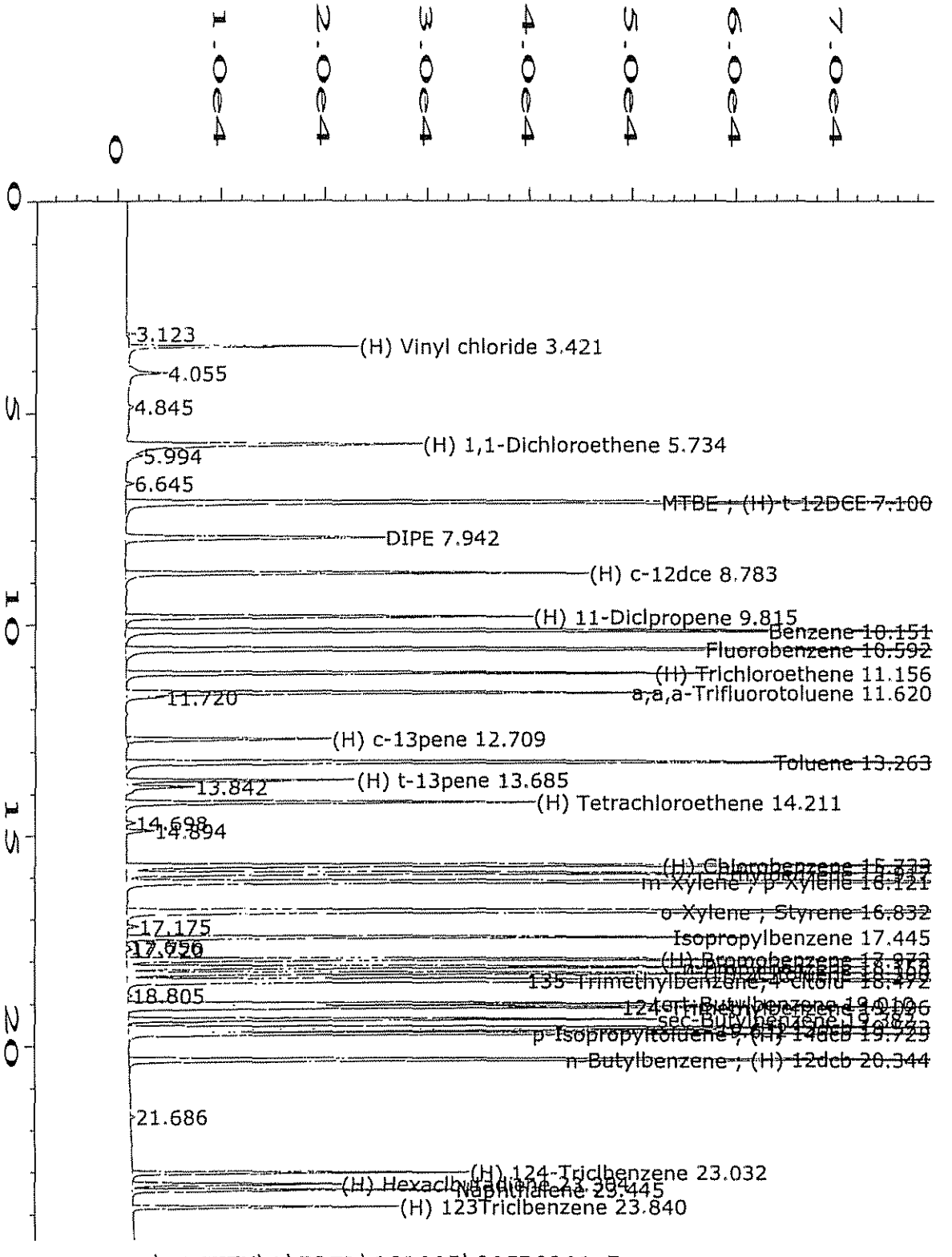
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 11:07 AM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 11:31 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\005R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.421	63244	BB	0.043	1	9.738	(H) Vinyl chloride
5.734	145326	BV	0.074	1	10.252	(H) 1,1-Dichloroethene
7.100	412252	BB	0.058	1	19.895	MTBE ; (H) t-12DCE
7.942	127398	BB	0.080	1	7.694	DIPE
8.783	165152	BV	0.057	1	10.195	(H) c-12dce
9.815	150213	PV	0.059	1	10.066	(H) 11-Diclpropene
10.151	354777	VV	0.058	1	10.151	Benzene
10.592	384171	VB	0.058	1-I	40.000	Fluorobenzene
11.156	202091	BV	0.055	1	9.963	(H) Trichloroethene
11.620	204414	PV	0.062	1	98.276	a,a,a-Trifluorotoluene
12.709	69191	BV	0.055	1	9.541	(H) c-13pene
13.263	325855	BV	0.059	1	10.039	Toluene
13.685	77016	VV	0.054	1	9.455	(H) t-13pene
14.211	151626	VB	0.059	1	9.778	(H) Tetrachloroethene
15.733	322502	BV	0.053	1	9.858	(H) Chlorobenzene
15.917	283407	VV	0.055	1	10.126	Ethylbenzene
16.121	649641	VB	0.055	1	20.310	m-Xylene ; p-Xylene
16.832	582697	BV	0.069	1	19.962	o-Xylene ; Styrene
17.445	213935	BV	0.055	1	9.926	Isopropylbenzene
17.972	295379	BV	0.049	1	9.952	(H) Bromobenzene
18.153	237177	VV	0.051	1	9.678	n-Propylbenzene
18.300	271187	VV	0.050	1	10.009	(H) 2Cltoluene
18.472	623930	VV	0.069	1	19.631	135-Trimethylbenzene;4-cltolu
19.010	177602	PV	0.054	1	9.426	tert-Butylbenzene
19.096	266531	VV	0.050	1	9.547	124-Trimethylbenzene
19.382	177337	PV	0.054	1	9.205	sec-Butylbenzene
19.573	264727	VV	0.048	1	9.444	(H) 13dcb
19.725	256396	VB	0.047	1	19.101	p-Isopropyltoluene ; (H) 14dcb
20.344	344603	BB	0.062	1	18.415	n-Butylbenzene ; (H) 12dcb
23.032	98170	BV	0.047	1	8.359	(H) 124-Triclbenzene
23.304	68391	VV	0.053	1	8.796	(H) Hexaclbutadiene
23.445	91375	VB	0.045	1	8.817	Naphthalene
23.840	77453	BB	0.047	1	8.418	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



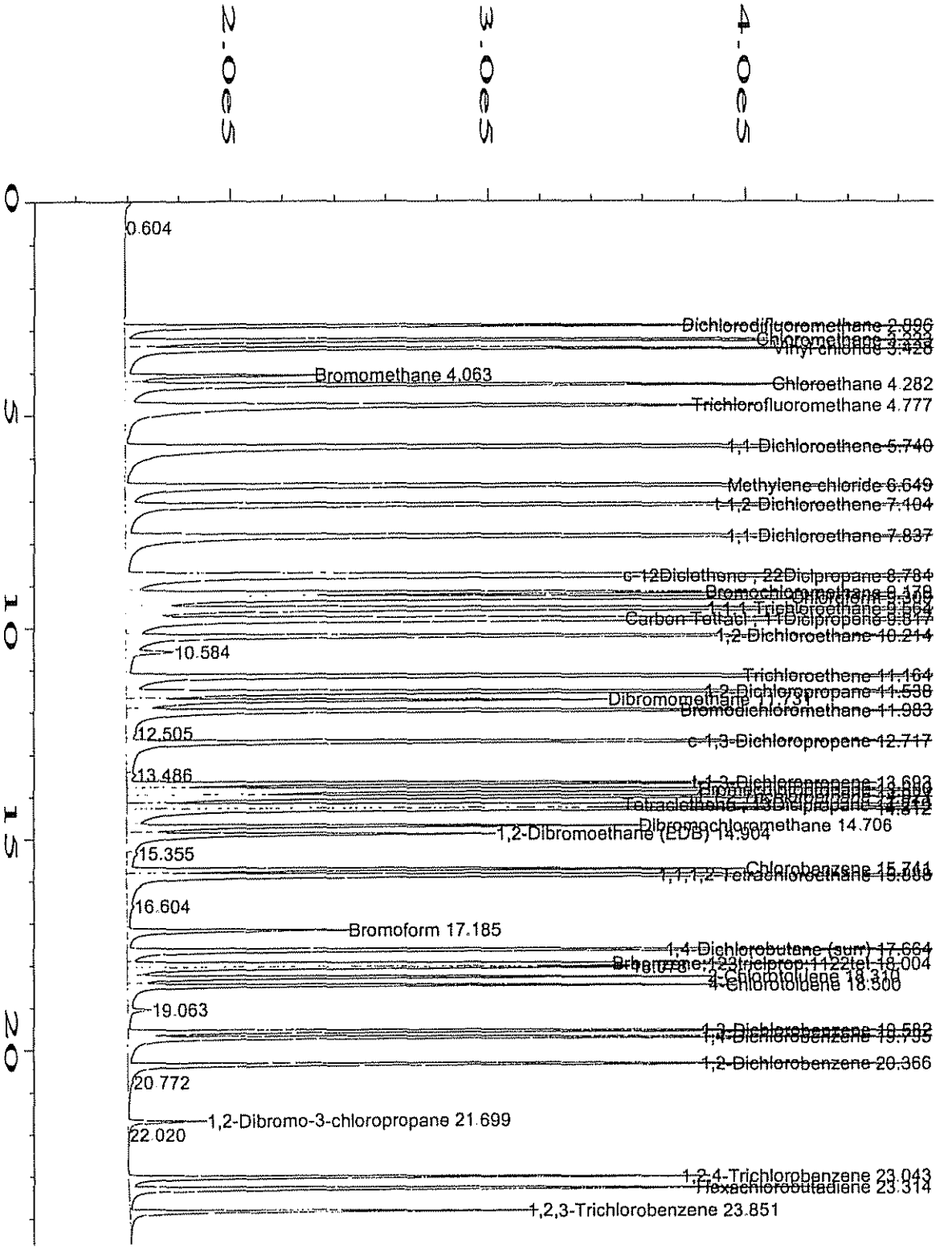
Data File Name	: C:\HPCHEM\1\DATA\101005\005R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 5
Sample Name	: lcs3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 11:07 AM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 11:31 AM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\023F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: ~~167923~~ x1600 ms	Injection Number	: 1
Run Time Bar Code:	161-2182-18a x1600 ms	Sequence Line	: 1
Acquired on	: 10 Oct 05 08:23 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 08:48 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\101005\023F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.896	1206873	BV	0.045	1	11.235	Dichlorodifluoromethane
3.223	1583224	VV	0.048	1	9.876	Chloromethane
3.428	1307866	VV	0.054	1	10.188	Vinyl chloride
4.063	328739	VV	0.067	1	10.193	Bromomethane
4.282	1300205	VV	0.071	1	10.313	Chloroethane
4.777	1757196	VV	0.098	1	10.506	Trichlorofluoromethane
5.740	2195519	VV	0.079	1	10.747	1,1-Dichloroethene
6.649	2195320	VV	0.065	1	10.150	Methylene chloride
7.104	2132573	VV	0.063	1	10.507	t-1,2-Dichloroethene
7.837	2269607	VV	0.076	1	10.931	1,1-Dichloroethane
8.784	3561606	VV	0.073	1	21.607	c-12Diclethene ; 22Diclpropane
9.179	1199233	VV	0.060	1	10.922	Bromochloromethane
9.309	2769166	VV	0.071	1	10.701	Chloroform
9.564	2481605	VV	0.073	1	10.871	1,1,1-Trichloroethane
9.817	3937074	VV	0.072	1	22.836	Carbon Tetracl ; 11Diclpropene
10.214	1702091	VV	0.061	1	10.814	1,2-Dichloroethane
11.164	2349714	VV	0.062	1	10.747	Trichloroethene
11.538	1887501	VV	0.068	1	10.935	1,2-Dichloropropane
11.731	827890	VV	0.064	1	10.549	Dibromomethane
11.983	1713530	VV	0.070	1	10.946	Bromodichloromethane
12.717	1590964	VV	0.062	1	10.791	c-1,3-Dichloropropene
13.693	1102389	VV	0.058	1	10.042	t-1,3-Dichloropropene
13.850	2057352	VV	0.073	1-I	40.000	Bromochloropropane
14.021	1603128	VV	0.067	1	10.617	1,1,2-Trichloroethane
14.219	2391297	VV	0.061	1	21.100	Tetraclethene ; 13Diclpropane
14.706	891051	VV	0.065	1	10.424	Dibromochloromethane
14.904	747150	VV	0.075	1	10.407	1,2-Dibromoethane (EDB)
15.741	882856	VV	0.057	1	10.074	Chlorobenzene
15.888	2296466	VV	0.066	1	11.010	1,1,1,2-Tetrachloroethane
17.185	409619	VV	0.070	1	9.176	Bromoform
17.664	1469149	VV	0.059	1	101.245	1,4-Dichlorobutane (surr)
18.004	1372113	VV	0.063	1	32.147	Brbenzene;123triclprop;1122tet
18.310	840268	VV	0.057	1	10.374	2-Chlorotoluene
18.500	887319	VV	0.060	1	10.657	4-Chlorotoluene
19.582	1158090	VV	0.052	1	10.167	1,3-Dichlorobenzene
19.735	1292036	VV	0.053	1	10.403	1,4-Dichlorobenzene
20.366	1074186	VV	0.056	1	10.034	1,2-Dichlorobenzene
21.699	125897	VV	0.059	1	8.130	1,2-Dibromo-3-chloropropane
23.043	748157	BV	0.054	1	7.926	1,2,4-Trichlorobenzene
23.314	1034611	VV	0.057	1	8.660	Hexachlorobutadiene
23.851	546030	VBA	0.052	1	7.191	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\023F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: 167923 x1600 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:23 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 08:48 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

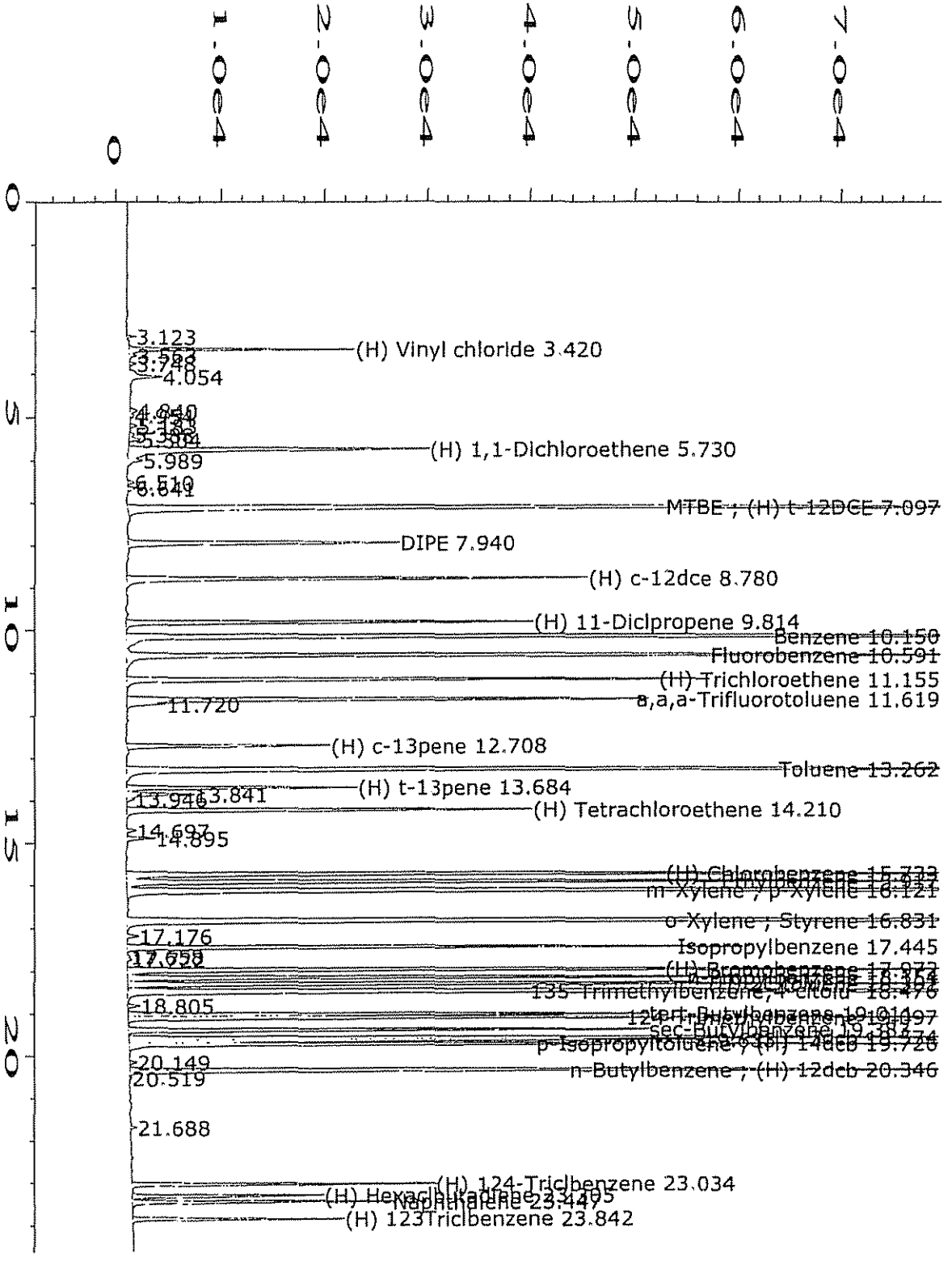
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\023R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: 167923 x1600 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:23 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 08:48 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\023R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.420	61876	BV	0.043	1	9.729	(H) Vinyl chloride
5.730	144721	PV	0.076	1	10.430	(H) 1,1-Dichloroethene
7.097	459095	BV	0.060	1	22.719	MTBE ; (H) t-12DCE
7.940	131810	VV	0.078	1	8.155	DIPE
8.780	164848	BV	0.057	1	10.398	(H) c-12dce
9.814	148847	VV	0.059	1	10.190	(H) 11-Diclpropene
10.150	491892	VV	0.058	1	14.491	Benzene
10.591	376164	VV	0.058	1-I	40.000	Fluorobenzene
11.155	200340	VV	0.055	1	10.090	(H) Trichloroethene
11.619	199194	PV	0.062	1	97.804	a,a,a-Trifluorotoluene
12.708	68600	BV	0.055	1	9.665	(H) c-13pene
13.262	406690	BV	0.058	1	12.877	Toluene
13.684	76886	VV	0.054	1	9.647	(H) t-13pene
14.210	148816	PB	0.059	1	9.802	(H) Tetrachloroethene
15.733	319669	BV	0.054	1	9.984	(H) Chlorobenzene
15.917	290529	VV	0.055	1	10.621	Ethylbenzene
16.121	673089	VB	0.055	1	21.543	m-Xylene ; p-Xylene
16.831	592896	BV	0.069	1	20.778	o-Xylene ; Styrene
17.445	210690	BV	0.055	1	9.986	Isopropylbenzene
17.972	297186	BV	0.049	1	10.238	(H) Bromobenzene
18.154	233353	VV	0.051	1	9.727	n-Propylbenzene
18.301	273226	VV	0.051	1	10.311	(H) 2Cltoluene
18.476	615821	VV	0.069	1	19.796	135-Trimethylbenzene;4-cltolu
19.011	174484	VV	0.053	1	9.459	tert-Butylbenzene
19.097	269480	VV	0.050	1	9.872	124-Trimethylbenzene
19.383	173136	PV	0.054	1	9.177	sec-Butylbenzene
19.574	263027	VV	0.047	1	9.589	(H) 13dcb
19.726	255437	VV	0.047	1	19.451	p-Isopropyltoluene ; (H) 14dcb
20.346	336960	VV	0.062	1	18.389	n-Butylbenzene ; (H) 12dcb
23.034	88261	BV	0.047	1	7.644	(H) 124-Triclbenzene
23.305	61715	VV	0.053	1	8.074	(H) Hexaclbutadiene
23.447	74442	VB	0.045	1	7.289	Naphthalene
23.842	60384	BB	0.046	1	6.639	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



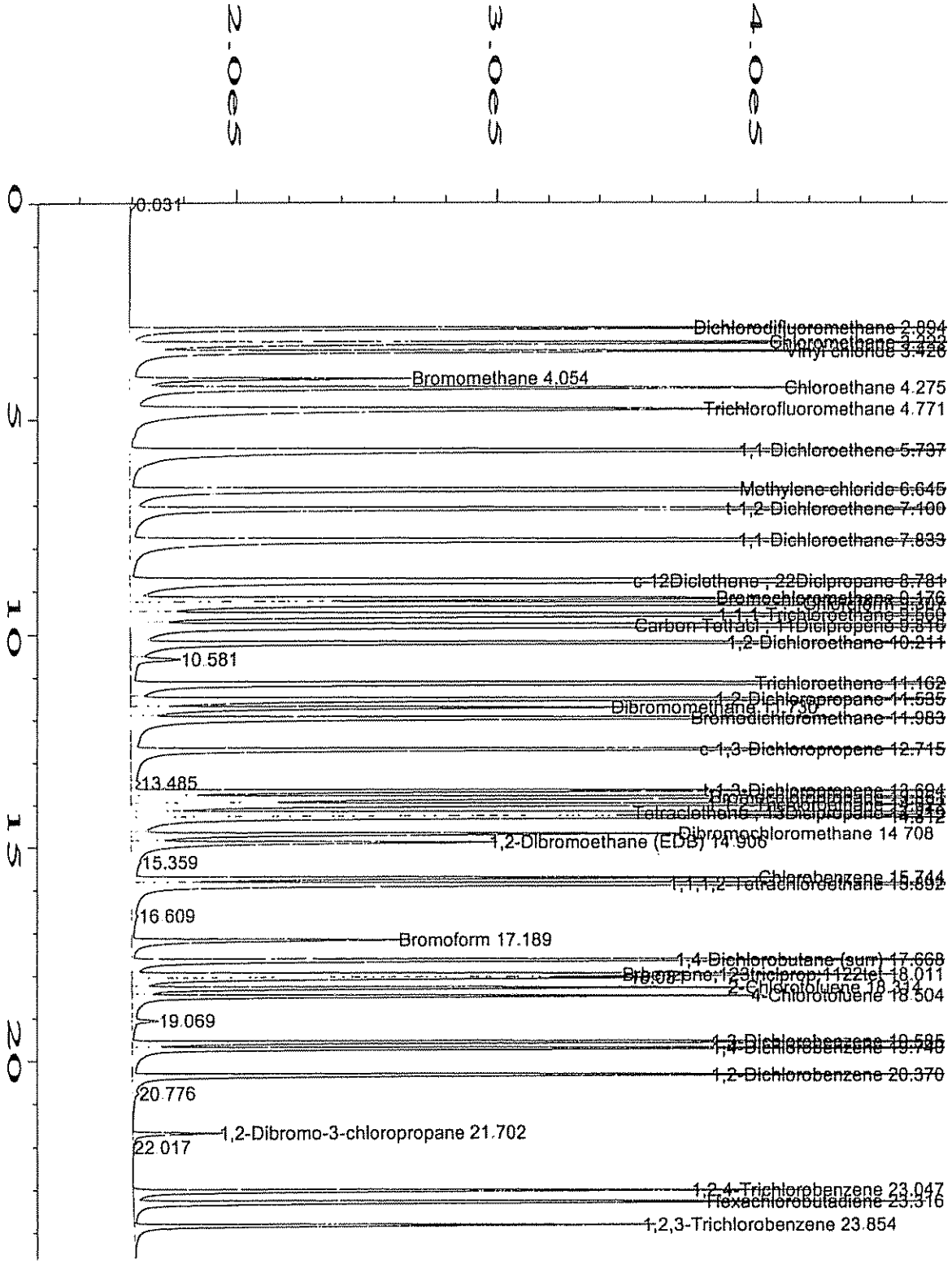
Data File Name	: C:\HPCHEM\1\DATA\101005\023R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 23
Sample Name	: 167923 x1600 ms	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:23 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	10 Oct 05 08:48 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\024F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 167923 x1600 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:54 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 09:19 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\101005\024F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.894	1227936	BV	0.045	1	11.294	Dichlorodifluoromethane
3.222	1590615	VV	0.051	1	9.798	Chloromethane
3.426	1308853	VV	0.054	1	10.062	Vinyl chloride
4.054	414470	VV	0.056	1	12.715	Bromomethane
4.275	1292773	VV	0.071	1	10.121	Chloroethane
4.771	1742253	VV	0.093	1	10.281	Trichlorofluoromethane
5.737	2257787	VV	0.084	1	10.926	1,1-Dichloroethene
6.645	2368182	VV	0.068	1	10.869	Methylene chloride
7.100	2210173	VV	0.063	1	10.774	t-1,2-Dichloroethene
7.833	2334902	VV	0.078	1	11.119	1,1-Dichloroethane
8.781	3697902	VV	0.073	1	22.206	c-12Diclethene ; 22Diclpropane
9.176	1236317	VV	0.061	1	11.132	Bromochloromethane
9.307	2857368	VV	0.064	1	10.921	Chloroform
9.560	2587053	VV	0.073	1	11.219	1,1,1-Trichloroethane
9.816	4120057	VV	0.069	1	23.668	Carbon Tetracl ; 11Diclpropene
10.211	1734392	VV	0.065	1	10.890	1,2-Dichloroethane
11.162	2428170	VV	0.062	1	10.984	Trichloroethene
11.535	1974544	VV	0.068	1	11.324	1,2-Dichloropropane
11.730	854119	VV	0.066	1	10.753	Dibromomethane
11.983	1821497	VV	0.068	1	11.515	Bromodichloromethane
12.715	1642720	VV	0.066	1	11.018	c-1,3-Dichloropropene
13.694	1166074	VV	0.060	1	10.507	t-1,3-Dichloropropene
13.851	2082666	VV	0.073	1-I	40.000	Bromochloropropane
14.022	1669143	VV	0.065	1	10.964	1,1,2-Trichloroethane
14.219	2491107	VV	0.066	1	21.763	Tetraclethene ; 13Diclpropane
14.708	944484	VV	0.066	1	10.935	Dibromochloromethane
14.906	756448	VV	0.079	1	10.408	1,2-Dibromoethane (EDB)
15.744	945698	VV	0.055	1	10.687	Chlorobenzene
15.892	2431147	VV	0.065	1	11.553	1,1,1,2-Tetrachloroethane
17.189	476611	VV	0.069	1	10.510	Bromoform
17.668	1419303	VV	0.056	1	96.621	1,4-Dichlorobutane (surr)
18.011	1337851	VV	0.074	1	30.883	Brbenzene;123triclprop;1122tet
18.314	868617	VV	0.058	1	10.606	2-Chlorotoluene
18.504	919908	VV	0.057	1	10.931	4-Chlorotoluene
19.585	1190896	VV	0.055	1	10.338	1,3-Dichlorobenzene
19.740	1342468	VV	0.054	1	10.698	1,4-Dichlorobenzene
20.370	1123620	VV	0.053	1	10.390	1,2-Dichlorobenzene
21.702	136780	VV	0.058	1	8.756	1,2-Dibromo-3-chloropropane
23.047	867910	BV	0.054	1	9.152	1,2,4-Trichlorobenzene
23.316	1126602	VV	0.055	1	9.367	Hexachlorobutadiene
23.854	697667	VBA	0.052	1	9.192	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\024F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 167923 x1600 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:54 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 09:19 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

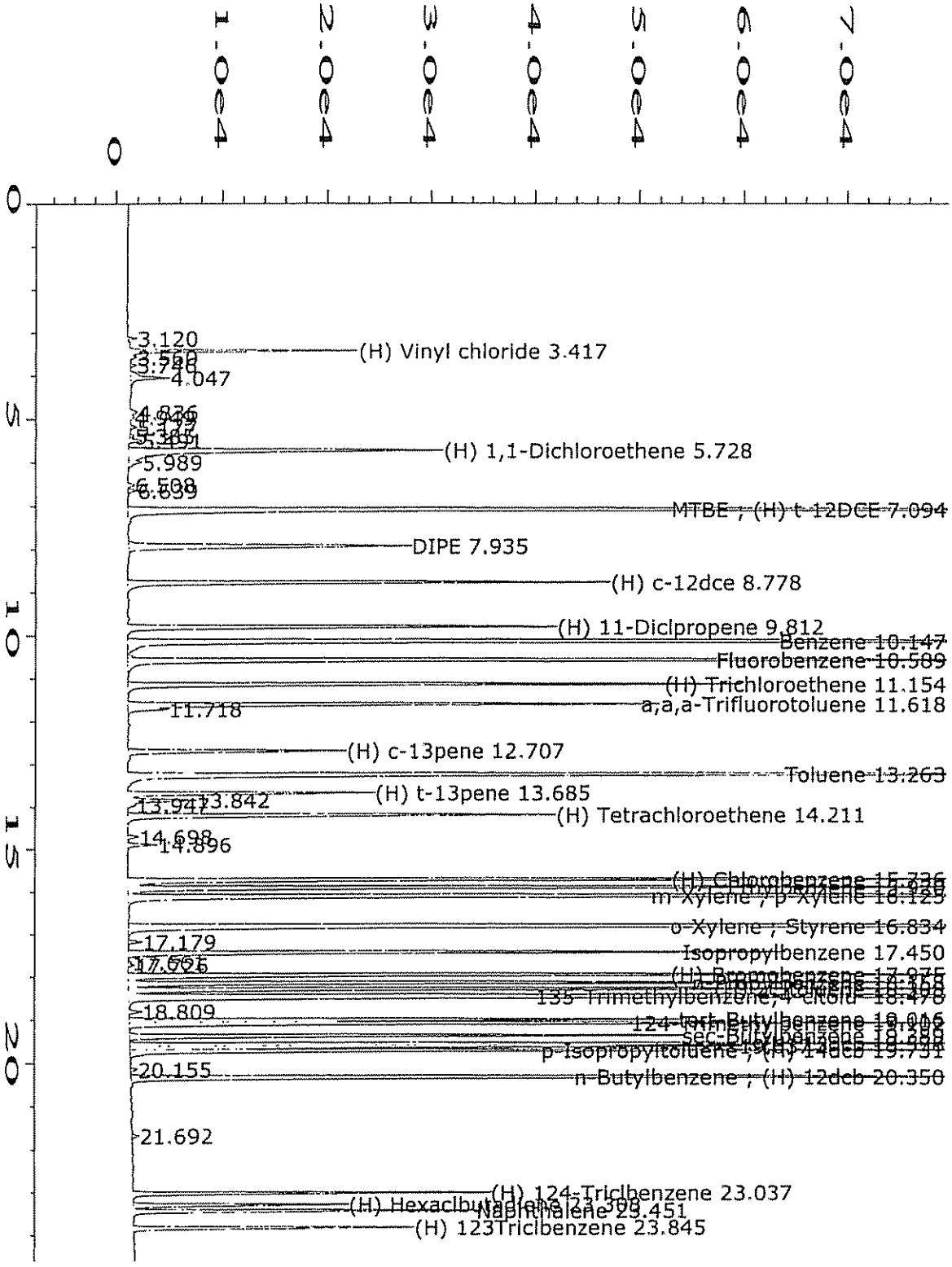
Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\024R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 167923 x1600 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:54 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 09:19 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\024R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.417	61489	BV	0.043	1	9.593	(H) Vinyl chloride
5.728	150271	BV	0.075	1	10.764	(H) 1,1-Dichloroethene
7.094	478103	BB	0.061	1	23.521	MTBE ; (H) t-12DCE
7.935	136733	VV	0.076	1	8.414	DIPE
8.778	171307	BV	0.058	1	10.740	(H) c-12dce
9.812	154720	VV	0.059	1	10.528	(H) 11-Diclpropene
10.147	500222	PV	0.058	1	14.638	Benzene
10.589	378752	VB	0.058	1-I	40.000	Fluorobenzene
11.154	208582	BB	0.055	1	10.443	(H) Trichloroethene
11.618	199832	BV	0.062	1	97.447	a,a,a-Trifluorotoluene
12.707	72700	BV	0.055	1	10.190	(H) c-13pene
13.263	416407	BV	0.059	1	13.100	Toluene
13.685	81952	VV	0.054	1	10.233	(H) t-13pene
14.211	155750	VB	0.060	1	10.199	(H) Tetrachloroethene
15.736	335290	BV	0.053	1	10.414	(H) Chlorobenzene
15.920	302195	VV	0.055	1	10.985	Ethylbenzene
16.125	699517	VB	0.055	1	22.265	m-Xylene ; p-Xylene
16.834	619065	BV	0.069	1	21.580	o-Xylene ; Styrene
17.450	221296	VV	0.055	1	10.434	Isopropylbenzene
17.975	310733	BV	0.050	1	10.649	(H) Bromobenzene
18.158	244687	VV	0.051	1	10.147	n-Propylbenzene
18.305	285891	VV	0.051	1	10.732	(H) 2Cltoluene
18.478	647475	VV	0.060	1	20.717	135-Trimethylbenzene;4-cltolu
19.016	183682	VV	0.054	1	9.908	tert-Butylbenzene
19.102	282507	VV	0.050	1	10.295	124-Trimethylbenzene
19.389	182927	PV	0.054	1	9.650	sec-Butylbenzene
19.578	276701	PV	0.047	1	10.035	(H) 13dcb
19.731	269556	VV	0.046	1	20.431	p-Isopropyltoluene ; (H) 14dcb
20.350	356563	PV	0.061	1	19.373	n-Butylbenzene ; (H) 12dcb
23.037	102161	BV	0.046	1	8.845	(H) 124-Triclbenzene
23.308	69019	VV	0.053	1	9.013	(H) Hexaclbutadiene
23.451	96431	VV	0.045	1	9.457	Naphthalene
23.845	80041	BB	0.046	1	8.838	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0



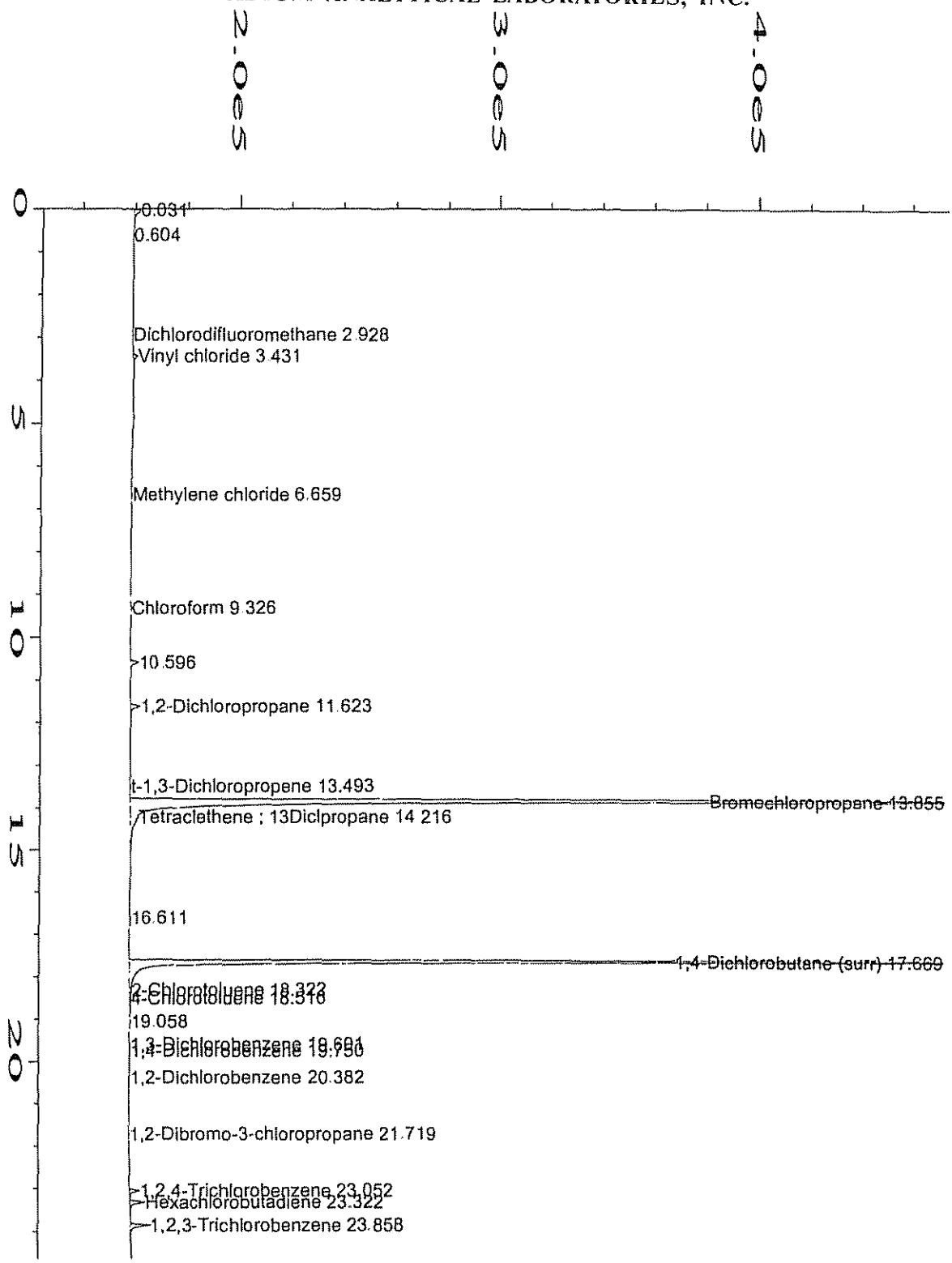
Data File Name	: C:\HPCHEM\1\DATA\101005\024R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 24
Sample Name	: 167923 x1600 msd	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 08:54 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 09:19 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

Data File Name	: C:\HPCHEM\1\DATA\101005\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: vblk3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 12:09 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 12:33 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 1 in C:\HPCHEM\1\DATA\101005\007F0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
2.928	1388	BB	0.076	1	-0.398	Dichlorodifluoromethane
3.228	* not found *			1		Chloromethane
3.431	14660	BB	0.105	1	-0.666	Vinyl chloride
4.060	* not found *			1		Bromomethane
4.275	* not found *			1		Chloroethane
4.780	* not found *			1		Trichlorofluoromethane
5.748	* not found *			1		1,1-Dichloroethene
6.659	2145	BB	0.064	1	-0.796	Methylene chloride
7.114	* not found *			1		t-1,2-Dichloroethene
7.847	* not found *			1		1,1-Dichloroethane
8.797	* not found *			1		c-12Diclethene ; 22Diclpropane
9.193	* not found *			1		Bromochloromethane
9.326	978	BB	0.049	1	-0.706	Chloroform
9.578	* not found *			1		1,1,1-Trichloroethane
9.833	* not found *			1		Carbon Tetracl ; 11Diclpropene
10.228	* not found *			1		1,2-Dichloroethane
11.178	* not found *			1		Trichloroethene
11.623	20438	BB	0.076	1	-0.564	1,2-Dichloropropane
11.745	* not found *			1		Dibromomethane
11.999	* not found *			1		Bromodichloromethane
12.731	* not found *			1		c-1,3-Dichloropropene
13.493	1988	BB	0.064	1	-0.300	t-1,3-Dichloropropene
13.855	1976467	BV	0.070	1-I	40.000	Bromochloropropane
14.037	* not found *			1		1,1,2-Trichloroethane
14.216	56060	VB	0.207	1	-1.143	Tetraclethene ; 13Diclpropane
14.722	* not found *			1		Dibromochloromethane
14.920	* not found *			1		1,2-Dibromoethane (EDB)
15.759	* not found *			1		Chlorobenzene
15.906	* not found *			1		1,1,1,2-Tetrachloroethane
17.201	* not found *			1		Bromoform
17.669	1385811	BV	0.057	1	99.410	1,4-Dichlorobutane (surr)
18.022	* not found *			1		Brbenzene;123triclprop;1122tet
18.322	6766	VV	0.106	1	-0.492	2-Chlorotoluene
18.516	5239	VB	0.123	1	-0.648	4-Chlorotoluene
19.601	1643	BV	0.063	1	-0.610	1,3-Dichlorobenzene
19.750	2191	VB	0.077	1	-0.722	1,4-Dichlorobenzene
20.382	1765	BB	0.070	1	-0.617	1,2-Dichlorobenzene
21.719	909	BV	0.111	1	-0.349	1,2-Dibromo-3-chloropropane
23.052	11178	PV	0.043	1	-0.347	1,2,4-Trichlorobenzene
23.322	26589	VV	0.062	1	-0.439	Hexachlorobutadiene
23.858	33313	PV	0.060	1	0.0451	1,2,3-Trichlorobenzene



Data File Name	: C:\HPCHEM\1\DATA\101005\007F0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: vblk3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 12:09 PM	Instrument Method	: 8021_HAL.MTH
Report Created on:	10 Oct 05 12:33 PM	Analysis Method	: 8021_HAL.MTH
Last Recalib on	: 26 SEP 05 07:59 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Internal Standard Report

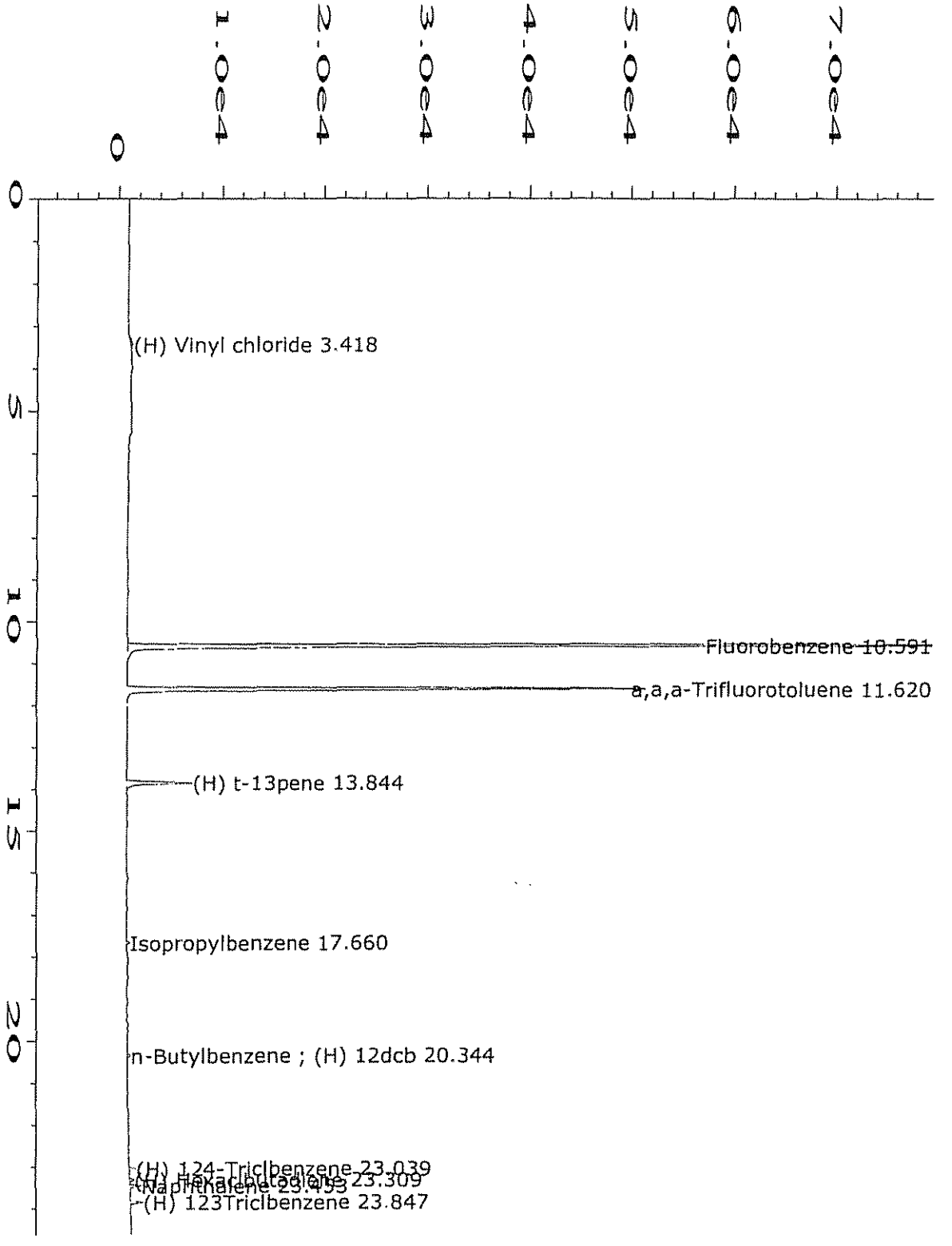
Data File Name	: C:\HPCHEM\1\DATA\101005\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: vblk3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 12:09 PM	Instrument Method:	8021_HAL.MTH
Report Created on:	10 Oct 05 12:33 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

Sig. 2 in C:\HPCHEM\1\DATA\101005\007R0101.D

Ret Time	Area	Type	Width	Ref#	µg/L	Name
3.418	2331	BB	0.119	1	-0.340	(H) Vinyl chloride
5.740	* not found *			1		(H) 1,1-Dichloroethene
7.110	* not found *			1		MTBE ; (H) t-12DCE
7.957	* not found *			1		DIPE
8.795	* not found *			1		(H) c-12dce
9.829	* not found *			1		(H) 11-Diclpropene
10.165	* not found *			1		Benzene
10.591	370848	BB	0.057	1-I	40.000	Fluorobenzene
11.169	* not found *			1		(H) Trichloroethene
11.620	201776	BB	0.062	1	100.493	a,a,a-Trifluorotoluene
12.722	* not found *			1		(H) c-13pene
13.278	* not found *			1		Toluene
13.844	27189	BB	0.066	1	3.238	(H) t-13pene
14.227	* not found *			1		(H) Tetrachloroethene
15.750	* not found *			1		(H) Chlorobenzene
15.935	* not found *			1		Ethylbenzene
16.140	* not found *			1		m-Xylene ; p-Xylene
16.850	* not found *			1		o-Xylene ; Styrene
17.660	1060	BB	0.051	1	-0.334	Isopropylbenzene
17.989	* not found *			1		(H) Bromobenzene
18.172	* not found *			1		n-Propylbenzene
18.319	* not found *			1		(H) 2Cltoluene
18.491	* not found *			1		135-Trimethylbenzene;4-cltolu
19.029	* not found *			1		tert-Butylbenzene
19.115	* not found *			1		124-Trimethylbenzene
19.402	* not found *			1		sec-Butylbenzene
19.592	* not found *			1		(H) 13dcb
19.744	* not found *			1		p-Isopropyltoluene ; (H) 14dcb
20.344	1207	BB	0.059	1	-0.850	n-Butylbenzene ; (H) 12dcb
23.039	1932	BB	0.048	1	-0.206	(H) 124-Triclbenzene
23.309	1551	BV	0.052	1	-0.189	(H) Hexaclbutadiene
23.453	3385	VB	0.047	1	0.0717	Naphthalene
23.847	3533	BB	0.047	1	0.101	(H) 123Triclbenzene

Calibration table contains at least one peak with amt = 0

Not all calibrated peaks were found



Data File Name	: C:\HPCHEM\1\DATA\101005\007R0101.D		
Operator	: MJC	Page Number	: 1
Instrument	: GC3	Vial Number	: 7
Sample Name	: vblk3101005a	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 1
Acquired on	: 10 Oct 05 12:09 PM	Instrument Method	: 8021_HAL.MTH
Report Created on	: 10 Oct 05 12:33 PM	Analysis Method	: 8021_pid.MTH
Last Recalib on	: 26 SEP 05 07:47 AM	Sample Amount	: 0
Multiplier	: 1	ISTD Amount	: 40

601/602 Prep, Standard, Run Logs

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Volatiles Standard Notebook # 007 **GC Water and Soil** ***CURVE***

	Refering Page	Description	Initial conc. (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc. (ppm)
Water BASE Mix:	7A- A29	Restek 502.2 MEGA mix lot A035666	2000	100	10	20
	7B-157	MTBE/DIPE stock 7- 092505	2000	100	10	20
Soil BASE Mix:	7A- A27	Restek 502.2 MEGA mix lot A035666	2000	25	10	5
	7B-157	MTBE/DIPE stock 7- 092505	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 9-25-05
Prep date: ↓
Expiration date: 10-25-05

PAL lot number:
8021WBC-7-
8021SBC-7- 092505

	Refering Page	Description	Initial conc (ppm)	Ammt. used(ul)	Final Vol (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- A31	Restek gases A036200	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 9-25-05
Prep date: ↓
Expiration date: 10-2-05

PAL lot number:
8021WGC-7-
8021SGC-7- 092505

	Refering Page	Description	Initial conc. (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- A31	Restek gases A036200	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-3-05
Prep date: ↓
Expiration date: 10-10-05

PAL lot number:
8021WGC-7-
8021SGC-7- 100305

	Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 39	Restek gases A038872	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-7-05
Prep date: ↓
Expiration date: 10-14-05

PAL lot number:
8021WGC-7-
8021SGC-7- 100705

	Refering Page	Description	Initial conc (ppm)	Ammt used(ul)	Final Vol. (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 39	Restek gases A038872	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-16-05
Prep date: ↓
Expiration date: 10-23-05

PAL lot number:
8021WGC-7-
8021SGC-7- 101605

See reverse for any comments

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PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Volatiles Standard Notebook # 007 **GC Water and Soil** **QC**

	Refering Page	Description	Initial conc (ppm)	Ammt Used (ul)	Final Vol. (ml)	Final Conc (ppm)
Water BASE Mix:	7A-A30	Restek 502.2 MEGA mix lot A035667	2000	100	10	20
	7B-158	MTBE/DIPE stock 7- 092505	2000	100	10	20
Soil BASE Mix:	7A-30	Restek 502.2 MEGA mix lot A035667	2000	25	10	5
	7B-158	MTBE/DIPE stock 7- 092505	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 9-25-05
Prep date: ↓
Expiration date: 10-25-05

PAL lot number:
8021WBQ-7-
8021SBQ-7- 092505

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 32	Restek gases A036201	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 9-25-05
Prep date: ↓
Expiration date: 10-2-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 092505

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol (ml)	Final Conc. (ppm)
Water GAS Mix:	7A- 32	Restek gases A036201	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-3-05
Prep date: ↓
Expiration date: 10-10-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 100305

	Refering Page	Description	Initial conc. (ppm)	Ammt. Used (ul)	Final Vol. (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 40	Restek gases A038871	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-7-05
Prep date: ↓
Expiration date: 10-14-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 100705

	Refering Page	Description	Initial conc (ppm)	Ammt. Used (ul)	Final Vol (ml)	Final Conc (ppm)
Water GAS Mix:	7A- 40	Restek gases A038871	2000	100	10	20
Soil GAS Mix:	7A- "	Restek gases "	2000	25	10	5
	Solvent:	Methanol LOT# [illegible]				

Ampule opened: 10-16-05
Prep date: ↓
Expiration date: 10-23-05

PAL lot number:
8021WGQ-7-
8021SGQ-7- 101605

See reverse for any comments

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8021S/WBQ-7-092505-C82
8021S/SGQ-7-100705-C82

Paradigm Analytical
GC3

8021S/WBC-7-092505-C81
8021S/SGC-7-100705-C81

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 09/25/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 101005

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
043F0101.D	G443-224-1A x4 msd	10/11/05 6:41	cid= 168240 ✓	✓	✓	MJC	✓	✓
044F0101.D	b	10/11/05 7:12				MJC		
045F0101.D	b	10/11/05 7:43				MJC		

Analyst: MM

See Top for Standard Lot Numbers

Page Number: 2940
VO10.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

8021S/WBQ-7-092505-C82
8021S/SGQ-7-100705-C82

Paradigm Analytical
GC3

8021S/WBC-7-092505-C81
8021S/SGC-7-100705-C81

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 09/25/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 101005

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
022F0101.D	G161-2182-18A x1600	10/10/05 19:52	cid= 167923 x32	✓	✓	MJC	✓	✓
023F0101.D	G161-2182-18A x1600 ms	10/10/05 20:23	cid= 167923			MJC		
024F0101.D	G161-2182-18A x1600 msd	10/10/05 20:54	cid= 167923			MJC		
025F0101.D	qchk010	10/10/05 21:25				MJC		
026F0101.D	qchk010	10/10/05 21:56				MJC		
027F0101.D	lcs3101005b	10/10/05 22:26				MJC		
028F0101.D	b	10/10/05 22:57				MJC		
029F0101.D	vblk3101005b	10/10/05 23:28	✓	✓	✓	MJC	✓	✓
030F0101.D	g106-559-3a	10/10/05 23:59				MJC		
031F0101.D	g106-559-1a	10/11/05 0:30				MJC		
032F0101.D	g128-1611-1a	10/11/05 1:01				MJC		
033F0101.D	g520-127-1a	10/11/05 1:31				MJC		
034F0101.D	g520-127-2a	10/11/05 2:03				MJC		
035F0101.D	g520-127-3a	10/11/05 2:34				MJC		
036F0101.D	g520-127-3b dup	10/11/05 3:05				MJC		
037F0101.D	g520-127-4a	10/11/05 3:36				MJC		
038F0101.D	g443-224-2a	10/11/05 4:07				MJC		
039F0101.D	g443-224-3a	10/11/05 4:38				MJC		
040F0101.D	g443-225-1a	10/11/05 5:09				MJC		
041F0101.D	g443-224-1a x4	10/11/05 5:40				MJC		
042F0101.D	G443-224-1A x4 ms	10/11/05 6:10	cid= 168240			MJC		

Page Number: 2534

Analyst: mfl

See Top for Standard Lot Numbers

VO10.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

8021S/WBQ-7-092505-C82
8021S/SGQ-7-100705-C82

Paradigm Analytical
GC3

8021S/WBC-7-092505-C81
8021S/SGC-7-100705-C81

Method: 8021/5030/5035 601/602/6230D/8021
Matrix: Soil Water

Initial Cal. Curve: water 09/25/05
(5035S 06/28/05) - (5030 10/14/04)
Batch: 101005

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	HALL	PID
001F0101.D	b	10/10/05 9:03				MJC		
002F0101.D	2ppbchk	10/10/05 9:34	✓	✓	✓	MJC	✓	✓
003F0101.D	qchk010	10/10/05 10:05				MJC		
004F0101.D	qchk010	10/10/05 10:36				MJC		
005F0101.D	lcs3101005a	10/10/05 11:07				MJC		
006F0101.D	b	10/10/05 11:37				MJC		
007F0101.D	vblk3101005a	10/10/05 12:09	✓	✓	✓	MJC	✓	✓
008F0101.D	g161-2180-6a	10/10/05 12:39				MJC		
009F0101.D	g161-2182-16a	10/10/05 13:10				MJC		
010F0101.D	g161-2183-6a	10/10/05 13:41				MJC		
011F0101.D	g158-249-2a	10/10/05 14:12				MJC		
012F0101.D	g204-490-4b	10/10/05 14:43				MJC		
013F0101.D	g204-490-5b	10/10/05 15:14				MJC		
014F0101.D	g161-2180-5a	10/10/05 15:45				MJC		
015F0101.D	g161-2182-14a	10/10/05 16:16				MJC		
016F0101.D	g161-2182-15a	10/10/05 16:47				MJC		
017F0101.D	g161-2183-5a	10/10/05 17:18				MJC		
018F0101.D	g161-2183-7a	10/10/05 17:49				MJC		
019F0101.D	g158-249-1a	10/10/05 18:20				MJC		
020F0101.D	g158-249-1b dup	10/10/05 18:51				MJC		
021F0101.D	G161-2182-13A x800	10/10/05 19:22	cid= 167780 x16 ✓			MJC		

Analyst: MJC

See Top for Standard Lot Numbers

Page Number: 2938
VO10.112202.1

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

625-BN Sample Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007733.D Vial: 33
Acq On : 8 Oct 2005 6:38 am Operator: MRC
Sample : G161-2183-5G x1 Inst : MSD7
Misc : 625 - BN - TICS [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 08 07:06:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 10/10/05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.60	152	108582	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.55	136	430685	4.00	ug/mL	-0.04
33) Acenaphthene-d10	12.37	164	199796	4.00	ug/mL	-0.03
55) Phenanthrene-D10	14.79	188	345002	4.00	ug/mL	-0.04
85) Chrysene-D12	19.08	240	182077	4.00	ug/mL	-0.04
93) Perylene-D12	21.73	264	71611	4.00	ug/mL	-0.05
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.77	112	227197	7.28	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	72.80%	
17) Phenol-d6 (surr)	7.07	99	328678	7.61	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	76.10%	
32) Nitrobenzene-d5 (surr)	8.45	128	123411	7.62	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	76.20%	
53) 2-Fluorobiphenyl (surr)	11.29	172	497487	8.36	ug/mL	-0.04
Spiked Amount 10.000			Recovery	=	83.60%	
54) 2,4,6-Tribromophenol (surr	13.65	330	47715	7.65	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	76.50%	
92) 4-Terphenyl-d14 (surr)	17.40	244	495271	10.46	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	104.60%	

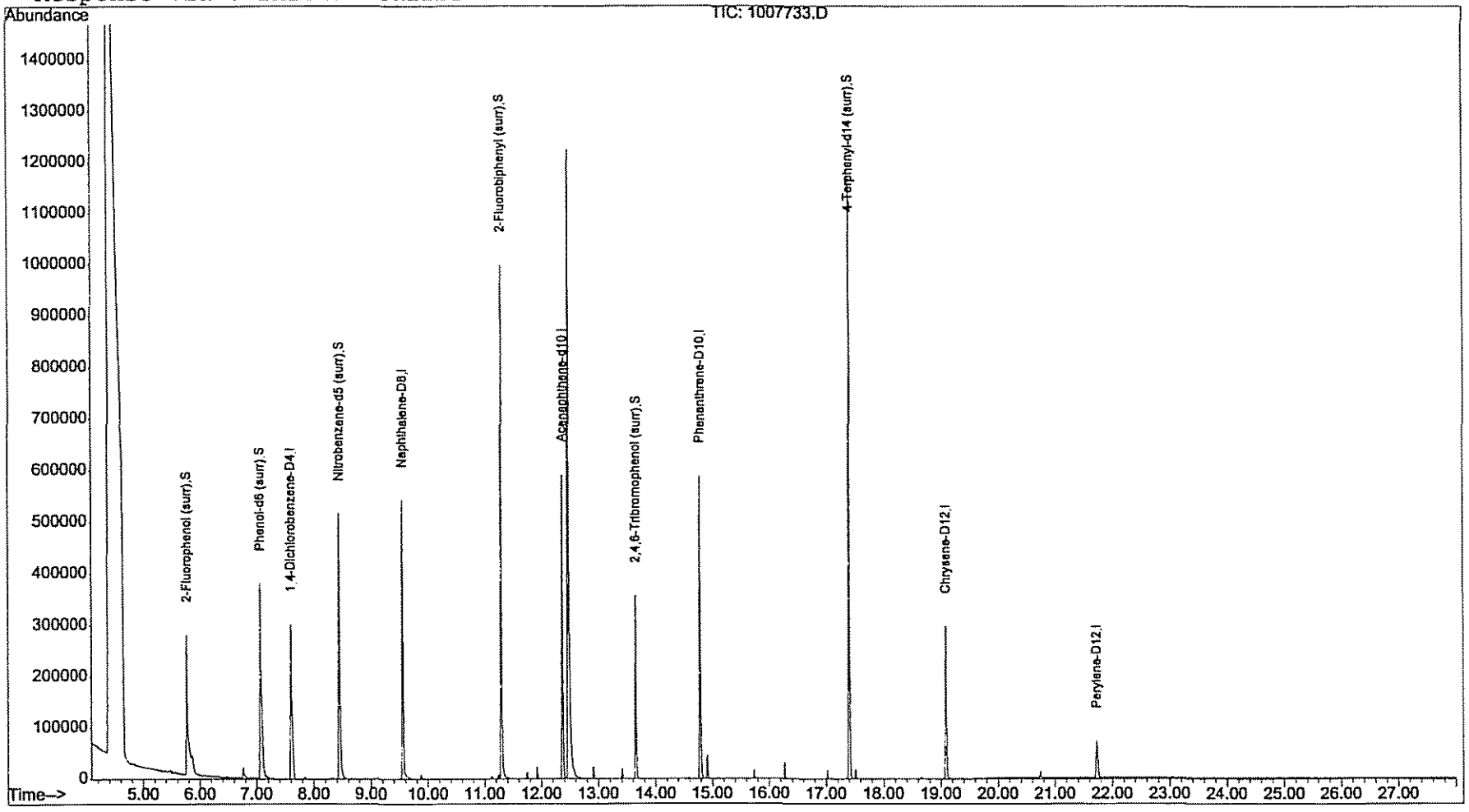
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007733.D Vial: 33
Acq On : 8 Oct 2005 6:38 am Operator: MRC
Sample : G161-2183-5G x1 Inst : MSD7
Misc : 625 - BN - TICS [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 10 10:42 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



N.C. Certification #481 S.C. Certification #99029
PARADIGM ANALYTICAL LABORATORIES, INC.

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7100705\1007733.D Vial: 33
Acq On : 8 Oct 2005 6:38 am Operator: MRC
Sample : G161-2183-5G x1 Inst : MSD7
Misc : 625 - BN - TICS [3520-3780] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	99.36 ug/mL	13933200	1,4-Dichlorobenzene-D4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
5	Toluene	92	C7H8	000108-88-3	83

****

Peak Number 2 Cyclohexene, 4-ethenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	11.00 ug/mL	2167250	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-ethenyl-	108	C8H12	000100-40-3	38
2	Diazene, dicyclohexyl-, 1,2-dioxide	226	C12H22N2O2	003378-45-8	27
3	1,3-Octadiene	110	C8H14	001002-33-1	17
4	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	17
5	1,2-Nonadiene	124	C9H16	022433-33-6	16

Tentatively Identified Compound (LSC) Summary

Operator ID: MRC Date Acquired: 8 Oct 2005 6:38 am
Data File: C:\MSDCHEM\1\DATA\7100705\1007733.D
Name: G161-2183-5G x1
Misc: 625 - BN - TICS [3520-3780]
Method: C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

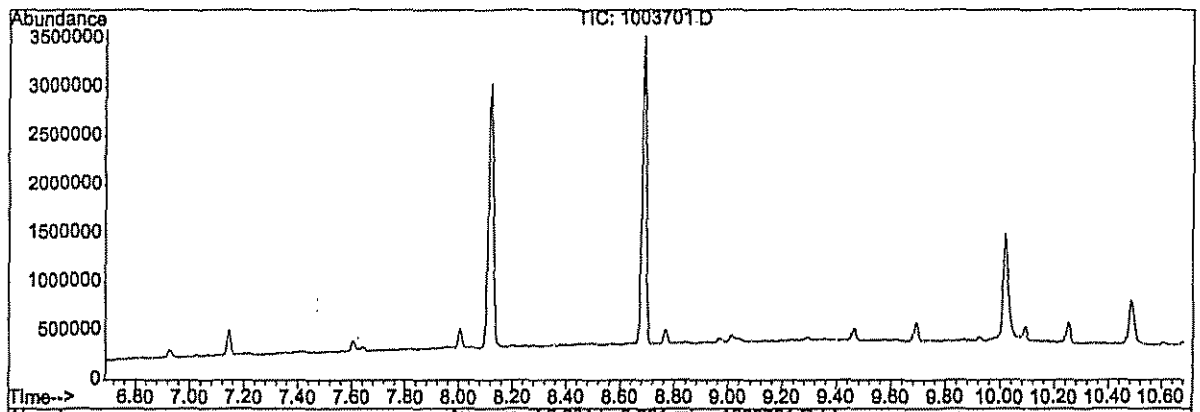
TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Toluene	4.40	99.4	ug/mL	13933200	1	7.60	560924	4.0
Cyclohexene, 4-et...	12.47	11.0	ug/mL	2167250	3	12.37	787927	4.0

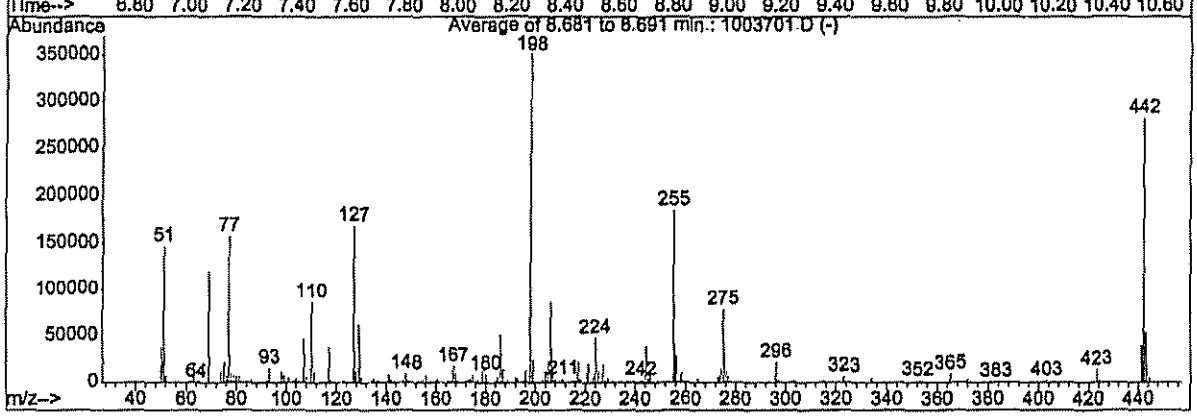
N.C. Certification #481 S.C. Certification #99029

625-BN Tuning

DFTPP

Data File : C:\MSDCHEM\1\DATA\7100305\1003701.D Vial: 1
Acq On : 3 Oct 2005 8:49 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7100305\DFTPP.M (RTE Integrator)
Title :





AutoFind: Scans 547, 548, 549; Background Corrected with Scan 540

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.6	146944	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	34.0	119825	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	47.7	168482	PASS
197	198	0.00	1	0.2	782	PASS
198	198	100	100	100.0	352938	PASS
199	198	5	9	7.0	24560	PASS
275	198	10	30	22.4	79013	PASS
365	198	1	100	2.6	9233	PASS
441	443	0.01	100	74.2	40120	PASS
442	198	40	100	80.0	282346	PASS
443	442	17	23	19.1	54050	PASS

1003701.D DFTPP.M Mon Oct 03 09:04:35 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003701.D Vial: 1
Acq On : 3 Oct 2005 8:49 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 09:14:22 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\DFTPP.M (RTE Integrator)
Title :
Last Update : Thu Aug 25 18:30:02 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7082505\0825701.D
DataAcq Meth : DFTPP

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

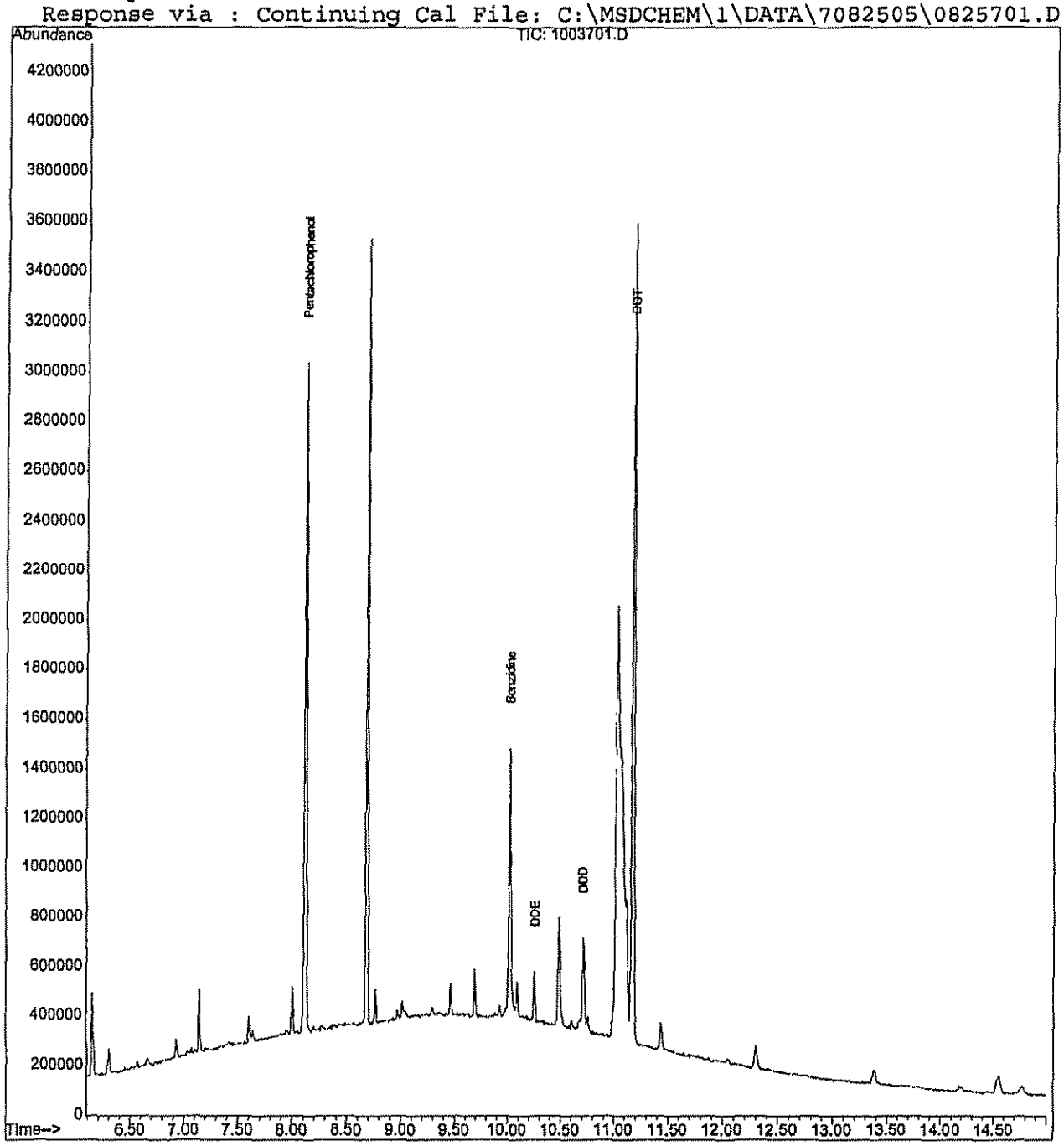
Target Compounds					Qvalue
1) Pentachlorophenol	8.12	TIC	3540660m	51.35	
2) Benzidine	10.02	TIC	1412446m	67.43	
3) DDT	11.18	TIC	4905835m	59.27	
4) DDD	10.71	TIC	470058m	83.63	
5) DDE	10.25	TIC	223858m	637.30	

(#) = qualifier out of range (m) = manual integration
1003701.D DFTPP.M Mon Oct 03 09:15:31 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003701.D Vial: 1
Acq On : 3 Oct 2005 8:49 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 9:14 2005 Quant Results File: DFTPP.RES

Method : C:\MSDCHEM\1\DATA\7100305\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7082505\0825701.D

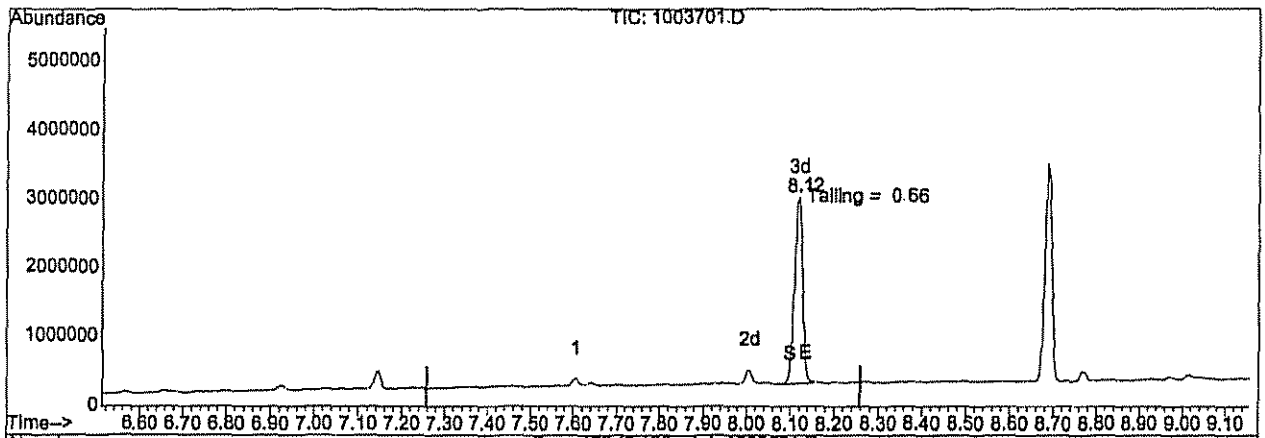


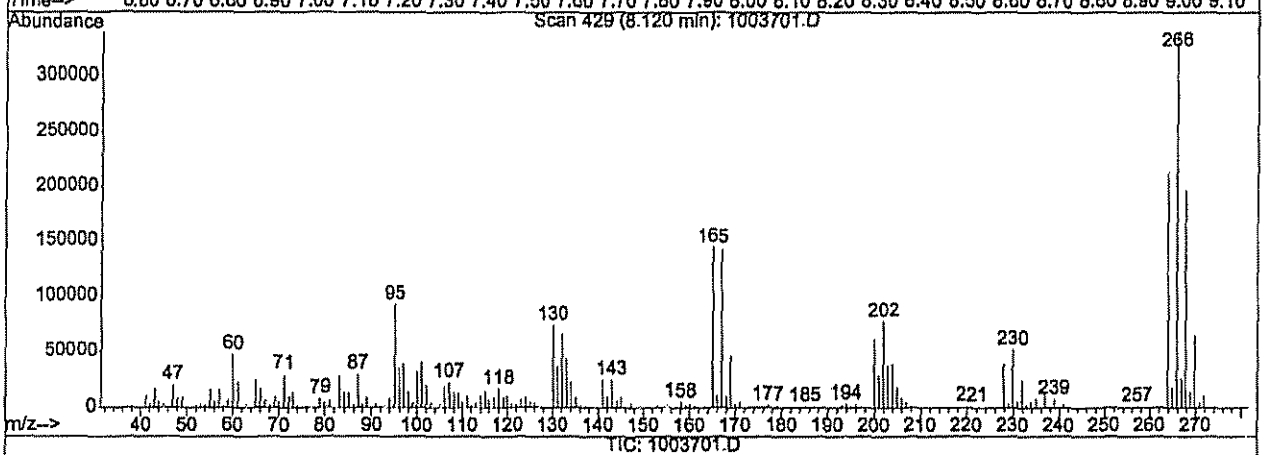
1003701.D DFTPP.M Mon Oct 03 09:15:32 2005 ENV Page 2

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7100305\1003701.D Vial: 1
Acq On : 3 Oct 2005 8:49 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 9:14 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7100305\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Single Level Calibration





(1) Pentachlorophenol

8.12min 51.35 m

response 3540660

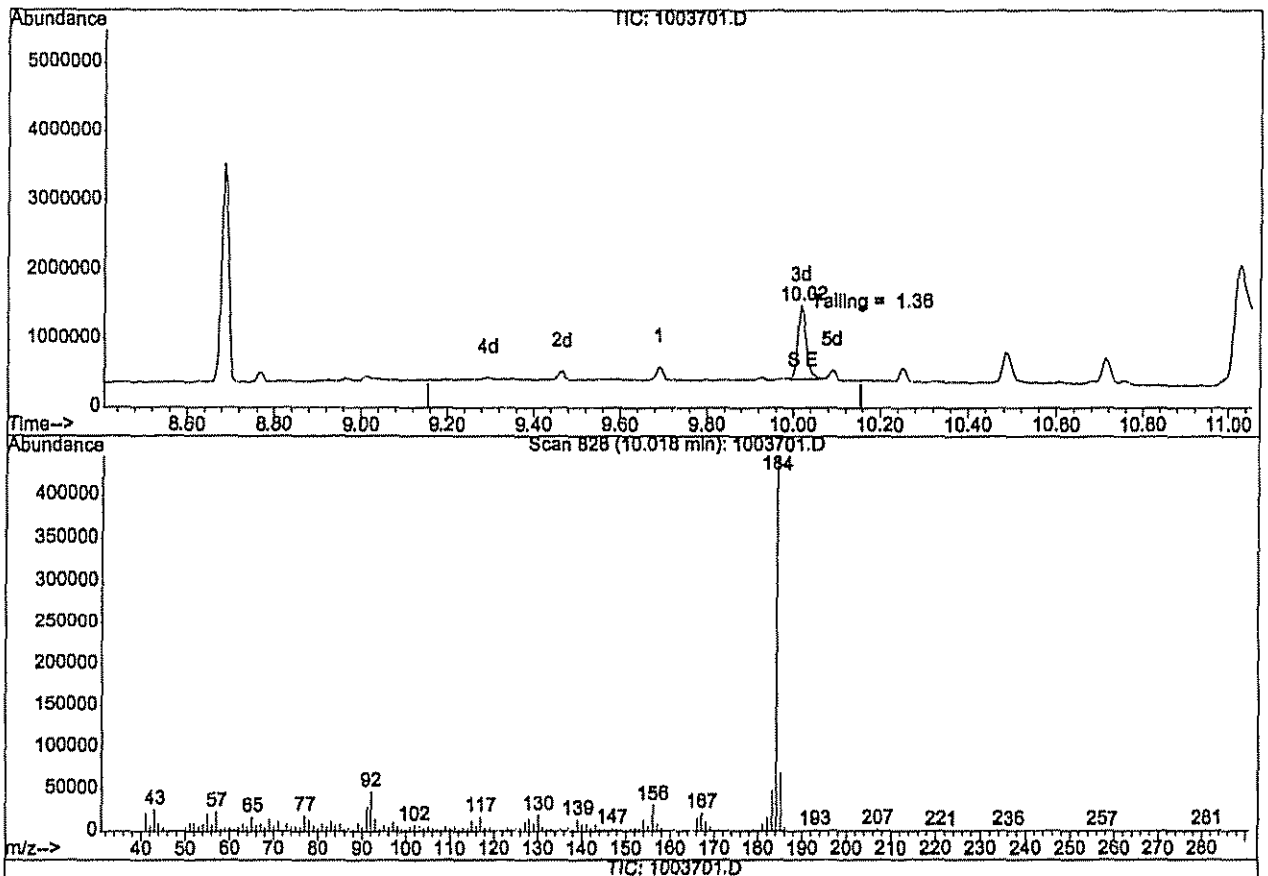
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1003701.D DFTPP.M Mon Oct 03 09:29:13 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7100305\1003701.D Vial: 1
Acq On : 3 Oct 2005 8:49 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 9:14 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7100305\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Single Level Calibration



(2) Benzidine

10.02min 67.43 m

response 1412446

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1003701.D DFTPP.M Mon Oct 03 09:29:22 2005 ENV

DDT Breakdown Report

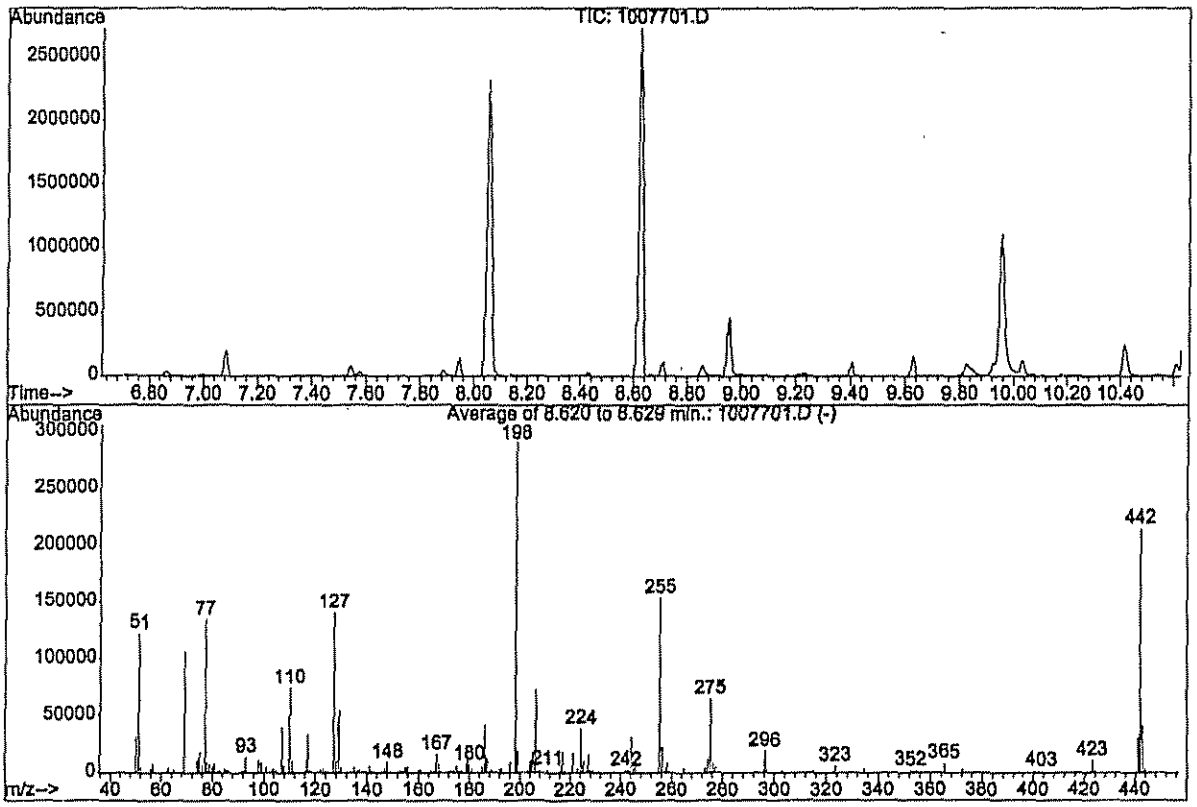
DFTPP TUNE

		Area
GCMS	DDT	4905835
	DDD	470058
	DDE	223858
	% Breakdown =	12.39%

Date: 10/03/05
Instrument: MSD7
File: 1003701.d

DFTPP

Data File : C:\MSDCHEM\1\DATA\7100705\1007701.D Vial: 1
Acq On : 7 Oct 2005 10:48 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\DATA\7100705\DFTPP.M (RTE Integrator)
Title :



AutoFind: Scans 534, 535, 536; Background Corrected with Scan 527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.0	122296	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.5	106472	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.2	140557	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	291392	PASS
199	198	5	9	6.7	19592	PASS
275	198	10	30	22.2	64584	PASS
365	198	1	100	2.8	8062	PASS
441	443	0.01	100	73.4	30381	PASS
442	198	40	100	73.8	215058	PASS
443	442	17	23	19.2	41381	PASS

1007701.D DFTPP.M Fri Oct 07 11:03:12 2005 ENV

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007701.D Vial: 1
Acq On : 7 Oct 2005 10:48 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 13:36:10 2005 Quant Results File: DFTPP.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7100305\1003701.D
DataAcq Meth : DFTPP

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

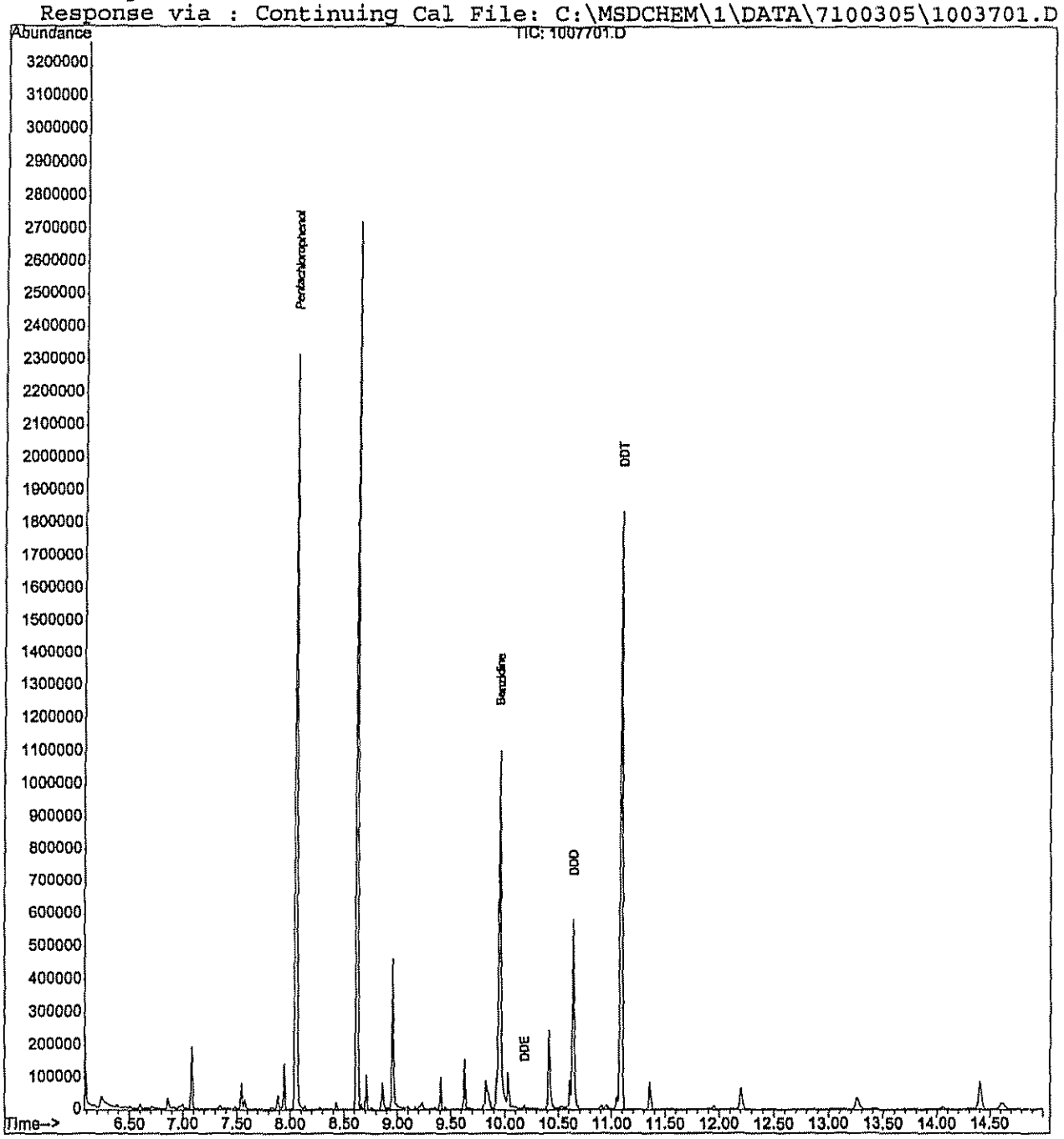
Target Compounds					Qvalue
1) Pentachlorophenol	8.05	TIC	2874673	41.69	100
2) Benzidine	9.95	TIC	1569317m	74.92	
3) DDT	11.09	TIC	2418736	29.22	100
4) DDD	10.64	TIC	715247m	127.25	
5) DDE	10.18	TIC	7016m	19.97	

(#) = qualifier out of range (m) = manual integration
1007701.D DFTPP.M Fri Oct 07 13:37:03 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007701.D Vial: 1
Acq On : 7 Oct 2005 10:48 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 7 13:36 2005 Quant Results File: DFTPP.RES

Method : C:\MSDCHEM\1\DATA\7100705\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Continuing Cal File: C:\MSDCHEM\1\DATA\7100305\1003701.D

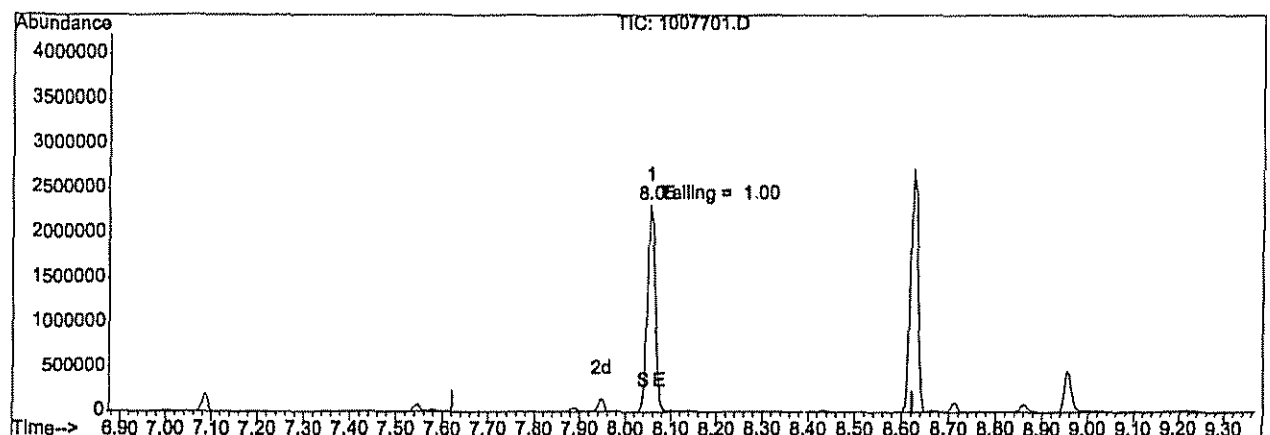


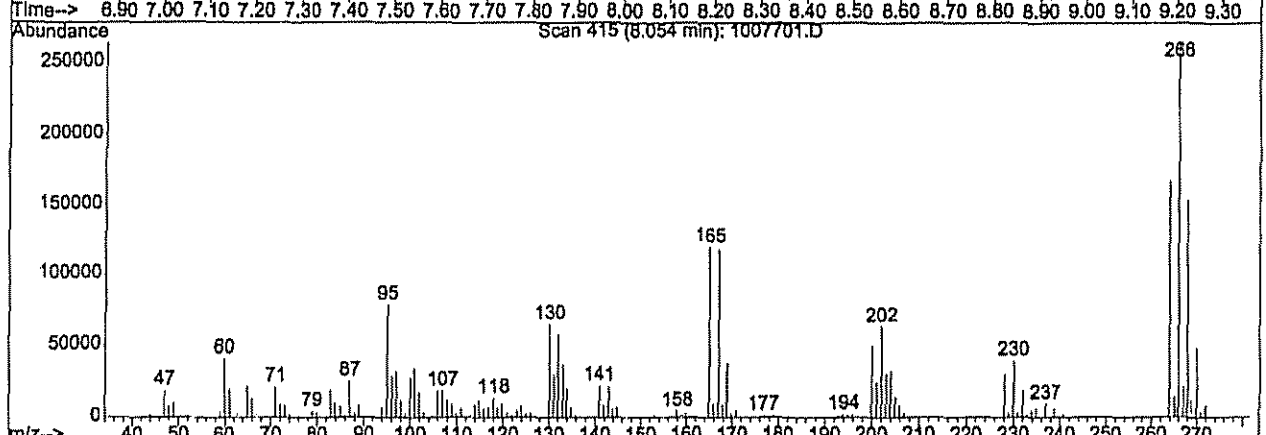
N.C. Certification #481 S.C. Certification #99029

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7100705\1007701.D Vial: 1
Acq On : 7 Oct 2005 10:48 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 7 13:36 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7100705\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Single Level Calibration





TIC: 1007701.D

(1) Pentachlorophenol

8.05min 41 69

response 2874673

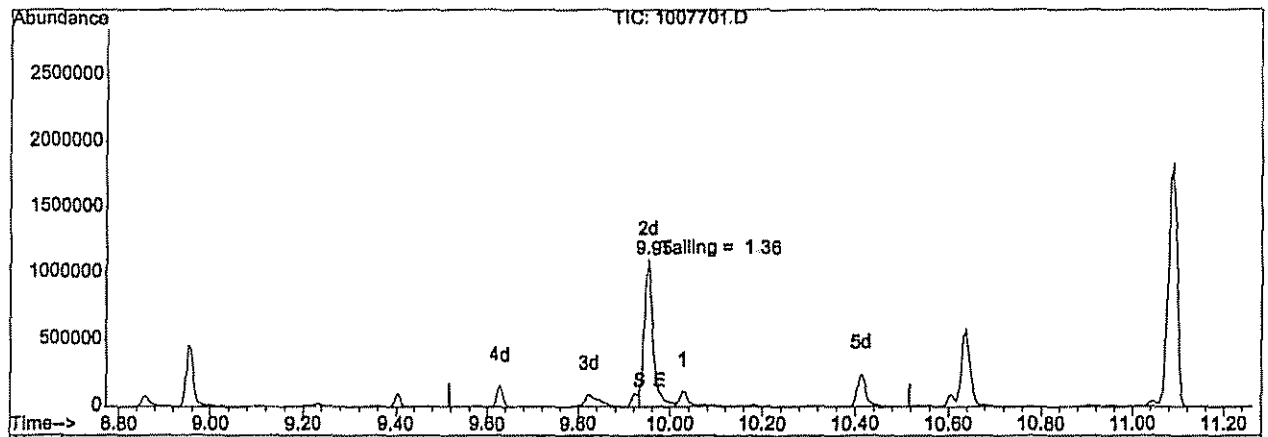
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1007701.D DFTPP.M Fri Oct 07 13:37:15 2005 ENV

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\7100705\1007701.D Vial: 1
Acq On : 7 Oct 2005 10:48 am Operator: MRC
Sample : DFTPP 50ng Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 7 13:36 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\DATA\7100705\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 03 09:15:17 2005
Response via : Single Level Calibration



TIC: 1007701.D

(2) Benzidine

9.95min 74.92 m

response 1569317

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

1007701.D DFTPP.M Fri Oct 07 13:37:23 2005 ENV

DDT Breakdown Report

DFTPP TUNE

		Area
GCMS	DDT	2918736
	DDD	715247
	DDE	7016
	% Breakdown =	**19.84%**

Date: 10/07/05
Instrument: MSD7
File: 1007701.d

625-BN Calibration Raw Data

Initial Calibration Report
Paradigm Analytical Labs

Instrument ; MSD7
Method ; 8270.M
Matrix ; NA
Cal. Date ; 3 Oct 2005 9:12 am
Last Modified ; Mon Oct 03 14:05:47 2005
Number of levels ; 8

Cal Files by ID
48 ; C:\MSDCHEM\1\DATA\7100305\1003702.D
24 ; C:\MSDCHEM\1\DATA\7100305\1003703.D
12 ; C:\MSDCHEM\1\DATA\7100305\1003704.D
8 ; C:\MSDCHEM\1\DATA\7100305\1003705.D
6 ; C:\MSDCHEM\1\DATA\7100305\1003706.D
4 ; C:\MSDCHEM\1\DATA\7100305\1003707.D
2 ; C:\MSDCHEM\1\DATA\7100305\1003708.D
1 ; C:\MSDCHEM\1\DATA\7100305\1003709.D

Calibration Level ID	48	24	12	8	6	4	2	1	AvgRF	%RSD
Concentration (ppb)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		
Pyridine		0.837	0.819	0.724	0.547	0.329			0.651	32.801
N-Nitrosodimethylamine		0.564	0.513	0.451	0.417	0.269			0.443	25.379
Phenol	1.474	1.583	1.676	1.660	1.774	1.683	1.798	1.742	1.674	6.319
Bis(2-chloroethyl)ether	1.189	1.212	1.324	1.329	1.436	1.400	1.478	1.596	1.370	9.929
2-Chlorophenol	1.191	1.261	1.311	1.303	1.385	1.325	1.395	1.374	1.318	5.230
Benzyl Alcohol	0.730	0.814	0.851	0.847	0.920	0.850	0.867	0.799	0.835	6.656
1,3-Dichlorobenzene	1.130	1.282	1.344	1.340	1.409	1.387	1.457	1.416	1.346	7.634
1,4-Dichlorobenzene	1.125	1.312	1.379	1.371	1.434	1.406	1.477	1.468	1.371	8.275
1,2-Dichlorobenzene	0.903	1.154	1.236	1.238	1.314	1.281	1.365	1.330	1.228	11.941
2-Methylphenol	0.868	0.951	0.976	0.970	1.012	0.953	1.035	1.012	0.972	5.327
3-, 4-Methylphenol	1.368	1.377	1.417	1.375	1.457	1.337	1.485	1.454	1.409	3.721
Bis(2-chloroisopropyl)ether	1.789	2.107	2.244	2.241	2.378	2.289	2.419	2.338	2.226	9.023
N-Nitrosodi-n-propylamine	0.623	0.751	0.780	0.792	0.821	0.780	0.831	0.793	0.771	8.432
Hexachloroethane	0.391	0.459	0.496	0.493	0.524	0.493	0.520	0.504	0.485	8.827
2-Fluorophenol (surr)	1.040	1.124	1.177	1.151	1.179	1.162	1.220	1.145	1.150	4.561
Phenol-d6 (surr)	1.418	1.515	1.589	1.576	1.679	1.599	1.696	1.652	1.590	5.735
Nitrobenzene	0.254	0.292	0.327	0.322	0.345	0.327	0.348	0.338	0.319	9.828
Isophorone	0.435	0.489	0.532	0.525	0.560	0.532	0.573	0.559	0.526	8.545
2-Nitrophenol	0.162	0.175	0.184	0.180	0.193	0.183	0.199	0.187	0.183	6.155
2,4-Dimethylphenol	0.176	0.174	0.178	0.152	0.154	0.148	0.183	0.187	0.169	9.011
Benzoic Acid	0.207	0.209	0.206	0.191	0.203	0.180	0.173	0.164	0.192	9.018
Bis(2-chloroethoxy)methane	0.292	0.324	0.352	0.350	0.377	0.372	0.398	0.384	0.356	9.735
2,4-Dichlorophenol	0.207	0.227	0.239	0.233	0.248	0.234	0.251	0.250	0.236	6.217
1,2,4-Trichlorobenzene	0.208	0.235	0.254	0.250	0.268	0.261	0.283	0.283	0.255	9.822
Naphthalene	0.649	0.760	0.828	0.826	0.878	0.858	0.930	0.926	0.832	11.103
4-Chloroaniline	0.127	0.108	0.073	0.059	0.068	0.045	0.054	0.047	0.073	40.699
Hexachlorobutadiene	0.097	0.113	0.124	0.122	0.133	0.130	0.135	0.135	0.124	10.567
4-Chloro-3-methylphenol	0.216	0.238	0.258	0.249	0.262	0.241	0.261	0.265	0.249	6.733
2-Methylnaphthalene	0.479	0.568	0.618	0.614	0.654	0.630	0.688	0.680	0.616	10.978
Nitrobenzene-d5 (surr)	0.135	0.143	0.151	0.148	0.160	0.152	0.160	0.155	0.150	5.607
Hexachlorocyclopentadiene	0.111	0.098	0.090	0.082	0.085	0.074	0.076		0.088	14.719
2,4,6-Trichlorophenol	0.322	0.332	0.345	0.342	0.359	0.349	0.378	0.368	0.349	5.255
2,4,5-Trichlorophenol	0.306	0.335	0.373	0.365	0.383	0.369	0.393	0.388	0.364	8.100
2-Chloronaphthalene	0.853	0.946	1.012	1.020	1.073	1.071	1.160	1.148	1.035	9.876
2-Nitroaniline	0.317	0.347	0.328	0.313	0.330	0.298	0.326	0.335	0.324	4.603
3-Nitroaniline		0.026	0.026	0.028	0.029	0.027	0.023	0.007	0.023	32.673
1-Methylnaphthalene	1.010	1.183	1.268	1.276	1.344	1.348	1.445	1.434	1.288	11.057
Dimethylphthalate	1.061	1.103	1.161	1.165	1.228	1.222	1.300	1.323	1.195	7.589
Acenaphthylene		1.139	1.396	1.460	1.536	1.542	1.663	1.660	1.485	12.178
2,6-Dinitrotoluene	0.253	0.261	0.273	0.268	0.285	0.273	0.280	0.267	0.270	3.830
Acenaphthene	0.828	0.948	1.017	1.029	1.076	1.062	1.149	1.150	1.032	10.301
2,4-Dinitrophenol	0.178	0.183	0.183	0.178	0.183	0.167	0.176	0.168	0.177	3.730
4-Nitrophenol	0.144	0.153	0.149	0.143	0.150	0.133	0.122	0.124	0.140	8.667
Dibenzofuran	1.165	1.309	1.423	1.446	1.535	1.516	1.664	1.684	1.468	11.848
2,4-Dinitrotoluene	0.276	0.294	0.324	0.328	0.350	0.337	0.365	0.359	0.329	9.479
Fluorene		0.935	1.054	1.072	1.137	1.097	1.197	1.244	1.105	9.166
Diethylphthalate	0.969	1.081	1.170	1.189	1.248	1.239	1.338	1.339	1.196	10.509
4-Chlorophenyl phenyl ether		0.439	0.494	0.503	0.535	0.536	0.570	0.593	0.524	9.728
4-Nitroaniline			0.164	0.131	0.142	0.125	0.143	0.134	0.140	9.792
2-Fluorobiphenyl (surr)	0.957	1.096	1.172	1.173	1.238	1.239	1.348	1.313	1.192	10.446
2,4,6-Tribromophenol (surr)	0.130	0.130	0.130	0.124	0.127	0.117	0.120	0.121	0.125	4.257
4,6-Dinitro-2-methylphenol	0.134	0.139	0.140	0.138	0.143	0.131	0.130	0.119	0.134	5.665
Diphenylamine			0.193	0.214	0.218	0.240	0.294	0.322	0.247	20.399
4-bromophenyl phenyl ether	0.137	0.165	0.178	0.177	0.189	0.181	0.198	0.190	0.177	10.770
Hexachlorobenzene	0.145	0.161	0.170	0.168	0.176	0.172	0.185	0.183	0.170	7.602
Pentachlorophenol	0.116	0.129	0.127	0.125	0.131	0.120	0.125	0.116	0.124	4.593
Phenanthrene	0.820	0.959	1.036	1.036	1.089	1.079	1.180	1.187	1.048	11.386

Carbazole			0.526	0.593	0.651	0.673	0.757	0.781	0.663	14.563
Anthracene	0.743	0.915	0.975	0.980	1.026	1.016	1.089	1.100	0.981	11.554
Azobenzene	0.584	0.702	0.787	0.797	0.842	0.836	0.900	0.886	0.792	13.186
Di-n-Butylphthalate	0.931	1.139	1.245	1.270	1.359	1.376	1.495	1.477	1.287	14.500
Fluoranthene	0.814	0.936	0.995	0.984	1.049	1.015	1.096	1.098	0.998	9.312
alpha-BHC	0.084	0.103	0.115	0.117	0.128	0.126	0.137	0.133	0.118	14.938
beta-BHC	0.072	0.095	0.104	0.106	0.112	0.108	0.116	0.110	0.103	13.616
gamma-BHC	0.079	0.093	0.102	0.104	0.111	0.111	0.116	0.115	0.104	12.227
delta-BHC	0.064	0.086	0.097	0.097	0.104	0.100	0.107	0.101	0.095	14.559
Heptachlor	0.083	0.113	0.128	0.129	0.136	0.136	0.142	0.139	0.126	15.443
Aldrin	0.079	0.111	0.131	0.137	0.144	0.145	0.153	0.152	0.131	19.110
Heptachlor Epoxide	0.042	0.045	0.045	0.042	0.044	0.044	0.043	0.037	0.043	5.663
Endosulfan I	0.022	0.028	0.033	0.034	0.036	0.036	0.034	0.029	0.031	14.560
4,4'-DDE	0.139	0.175	0.191	0.188	0.197	0.192	0.211	0.206	0.187	12.027
Dieldrin	0.112	0.149	0.172	0.178	0.188	0.188	0.202	0.195	0.173	16.954
Endrin	0.027	0.030	0.030	0.029	0.032	0.029	0.030	0.026	0.029	6.220
Endosulfan II	Not Calibrated									
4,4'-DDD	0.242	0.313	0.340	0.337	0.356	0.346	0.373	0.375	0.335	12.735
Endosulfan Sulfate	0.025	0.036	0.041	0.043	0.045	0.045	0.048	0.043	0.041	17.829
4,4'-DDT	0.170	0.218	0.232	0.232	0.246	0.236	0.237	0.238	0.226	10.667
Endrin Aldehyde	Not Calibrated									
Endrin Ketone	0.024	0.031	0.033	0.031	0.032	0.032	0.031	0.024	0.030	11.745
Methoxychlor	0.300	0.399	0.439	0.450	0.481	0.458	0.477	0.480	0.436	14.022
Pyrene	1.395	1.464	1.543	1.524	1.580	1.540	1.713	1.702	1.557	6.958
Butylbenzylphthalate	0.729	0.797	0.848	0.851	0.890	0.885	0.972	0.956	0.866	9.202
Benzo[a]anthracene	1.135	1.194	1.206	1.193	1.259	1.217	1.300	1.295	1.225	4.579
3,3'-Dichlorobenzidine	0.150	0.138	0.102	0.089	0.093	0.074	0.069	0.061	0.097	33.044
Chrysene	0.833	1.005	1.123	1.123	1.187	1.170	1.257	1.241	1.117	12.467
Bis(2-ethylhexyl)phthalate		0.951	1.139	1.154	1.229	1.267	1.429	1.431	1.229	13.822
4-Terphenyl-d14 (surr)	0.948	1.010	1.045	1.026	1.064	1.018	1.118	1.094	1.041	5.107
Di-n-octylphthalate	2.216	2.626	2.826	2.704	2.651	2.658	3.119	2.984	2.723	9.933
Benzo[b]fluoranthene	1.554	1.530	1.470	1.389	1.413	1.358	1.465	1.438	1.452	4.606
Benzo[k]fluoranthene	1.125	1.285	1.431	1.422	1.432	1.351	1.463	1.419	1.366	8.244
Benzo[a]pyrene	1.106	1.200	1.207	1.178	1.237	1.169	1.194	1.209	1.187	3.284
Indeno(1,2,3-c,d)pyrene	0.886	0.848	0.779	0.705	0.816	0.803	0.715	0.716	0.783	8.594
Dibenzo[a,h]anthracene	0.816	0.830	0.786	0.714	0.821	0.782	0.679	0.662	0.761	8.773
Benzo[g,h,i]perylene	0.807	0.803	0.762	0.691	0.803	0.813	0.715	0.700	0.762	6.853

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003702.D Vial: 2
Acq On : 3 Oct 2005 9:12 am Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 09:48:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:48:22 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.69	152	248966	4.00	ug/mL	0.00
19) Naphthalene-D8	9.64	136	1066197	4.00	ug/mL	0.00
34) Acenaphthene-d10	12.46	164	505901	4.00	ug/mL	0.00
56) Phenanthrene-D10	14.89	188	870305	4.00	ug/mL	0.00
86) Chrysene-D12	19.21	240	483222	4.00	ug/mL	0.00
94) Perylene-D12	21.88	264	366113	4.00	ug/mL	0.00
System Monitoring Compounds						
17) 2-Fluorophenol (surr)	5.89	112	3108010	43.77	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	437.70%	
18) Phenol-d6 (surr)	7.18	99	4237668	43.14	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	431.40%	
33) Nitrobenzene-d5 (surr)	8.56	128	1729405	43.54	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	435.40%	
54) 2-Fluorobiphenyl (surr)	11.39	172	5808900	37.96	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	379.60%	
55) 2,4,6-Tribromophenol (surr	13.77	330	790338	54.25	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	542.50%	
93) 4-Terphenyl-d14 (surr)	17.52	244	5495733	38.79	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	387.90%	
Target Compounds						Qvalue
2) Pyridine	4.47	79	1553567	21.25	ug/mL	89
3) N-Nitrosodimethylamine	4.54	74	617182	14.92	ug/mL#	61
4) Phenol	7.21	94	4404360	41.47	ug/mL	99
5) Aniline	7.23	93	1047363	95.99	ug/mL#	100
6) Bis(2-chloroethyl)ether	7.35	93	3552510m	41.14	ug/mL	
7) 2-Chlorophenol	7.39	128	3558870	43.58	ug/mL	99
8) Benzyl Alcohol	7.93	108	2180058	42.39	ug/mL	98
9) 1,3-Dichlorobenzene	7.62	146	3375537	39.73	ug/mL	100
10) 1,4-Dichlorobenzene	7.73	146	3359865	38.72	ug/mL	99
11) 1,2-Dichlorobenzene	7.95	146	2698217	34.83	ug/mL	100
12) 2-Methylphenol	8.08	107	2593328	43.25	ug/mL	97
13) 3-, 4-Methylphenol	8.34	107	4086528m	47.86	ug/mL	
14) Bis(2-chloroisopropyl)ethe	8.12	45	5344755	35.91	ug/mL	95
15) N-Nitrosodi-n-propylamine	8.38	70	1860574	38.79	ug/mL	97
16) Hexachloroethane	8.44	117	1167614	37.38	ug/mL	92
20) Nitrobenzene	8.59	77	3255368	36.82	ug/mL	98
21) Isophorone	8.98	82	5571909	37.86	ug/mL	98
22) 2-Nitrophenol	9.06	139	2076483	43.33	ug/mL	94
23) 2,4-Dimethylphenol	9.14	122	2252731	49.27	ug/mL	100
24) Benzoic Acid	9.51	122	2648783m	62.75	ug/mL	

(#) = qualifier out of range (m) = manual integration
1003702.D 8270.M Mon Oct 03 14:37:52 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003702.D Vial: 2
Acq On : 3 Oct 2005 9:12 am Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 09:48:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:48:22 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.30	93	3735205	37.91 ug/mL	99
26)	2,4-Dichlorophenol	9.44	162	2649070	43.22 ug/mL	98
27)	1,2,4-Trichlorobenzene	9.56	180	2663184	39.10 ug/mL	99
28)	Naphthalene	9.69	128	8308976	37.10 ug/mL	100
29)	4-Chloroaniline	9.81	127	1623761m	108.69 ug/mL	
30)	Hexachlorobutadiene	9.87	225	1245685	36.79 ug/mL	100
31)	4-Chloro-3-methylphenol	10.55	107	2760607	41.93 ug/mL	97
32)	2-Methylnaphthalene	10.79	142	6129170	37.14 ug/mL	100
35)	Hexachlorocyclopentadiene	11.02	237	671083	97.35 ug/mL	98
36)	2,4,6-Trichlorophenol	11.25	196	1954596	46.09 ug/mL	98
37)	2,4,5-Trichlorophenol	11.30	196	1855309	42.35 ug/mL	99
38)	2-Chloronaphthalene	11.58	162	5175976	39.20 ug/mL	99
39)	2-Nitroaniline	11.76	65	1926388	47.82 ug/mL	87
40)	3-Nitroaniline	12.46	138	639866	190.66 ug/mL#	1
41)	1-Methylnaphthalene	10.79	142	6129170	42.15 ug/mL	97
42)	Dimethylphthalate	12.09	163	6444067	42.24 ug/mL	100
43)	Acenaphthylene	12.24	152	5602075	29.14 ug/mL	99
44)	2,6-Dinitrotoluene	12.18	165	1534176	45.93 ug/mL	97
45)	Acenaphthene	12.53	153	5029419	38.24 ug/mL	99
46)	2,4-Dinitrophenol	12.64	184	1081406	59.48 ug/mL#	85
47)	4-Nitrophenol	12.74	109	875521	73.54 ug/mL	95
48)	Dibenzofuran	12.82	168	7070012	37.95 ug/mL	95
49)	2,4-Dinitrotoluene	12.84	165	1673091	40.61 ug/mL	94
50)	Fluorene	13.37	166	4419278	31.90 ug/mL	97
51)	Diethylphthalate	13.24	149	5882135	38.03 ug/mL	98
52)	4-Chlorophenyl phenyl ethe	13.39	204	2008322	29.96 ug/mL	91
53)	4-Nitroaniline	13.46	138	567163m	61.29 ug/mL	
57)	4,6-Dinitro-2-methylphenol	13.50	198	1398314	55.81 ug/mL	92
58)	Diphenylamine	13.59	169	1137181	18.09 ug/mL	94
59)	4-bromophenyl phenyl ether	14.19	248	1426866	35.88 ug/mL	94
60)	Hexachlorobenzene	14.27	284	1509453	38.87 ug/mL	97
61)	Pentachlorophenol	14.58	266	1208412	57.97 ug/mL	99
62)	Phenanthrene	14.95	178	8559982	37.14 ug/mL	99
63)	Carbazole	15.27	167	4014878	33.65 ug/mL	97
64)	Anthracene	15.03	178	7764600	35.85 ug/mL	100
65)	Azobenzene	13.64	77	6097886	31.96 ug/mL	96
66)	Di-n-Butylphthalate	15.88	149	9724197	33.12 ug/mL	99
67)	Fluoranthene	16.88	202	8497056	40.35 ug/mL	97
68)	alpha-BHC	14.20	183	874133	32.62 ug/mL	95
69)	beta-BHC	14.56	181	749761	32.19 ug/mL	92
70)	gamma-BHC	14.67	183	820616	34.87 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003702.D Vial: 2
Acq On : 3 Oct 2005 9:12 am Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 09:48:29 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:48:22 2005
Response via : Initial Calibration
DataAcq Meth : 8270

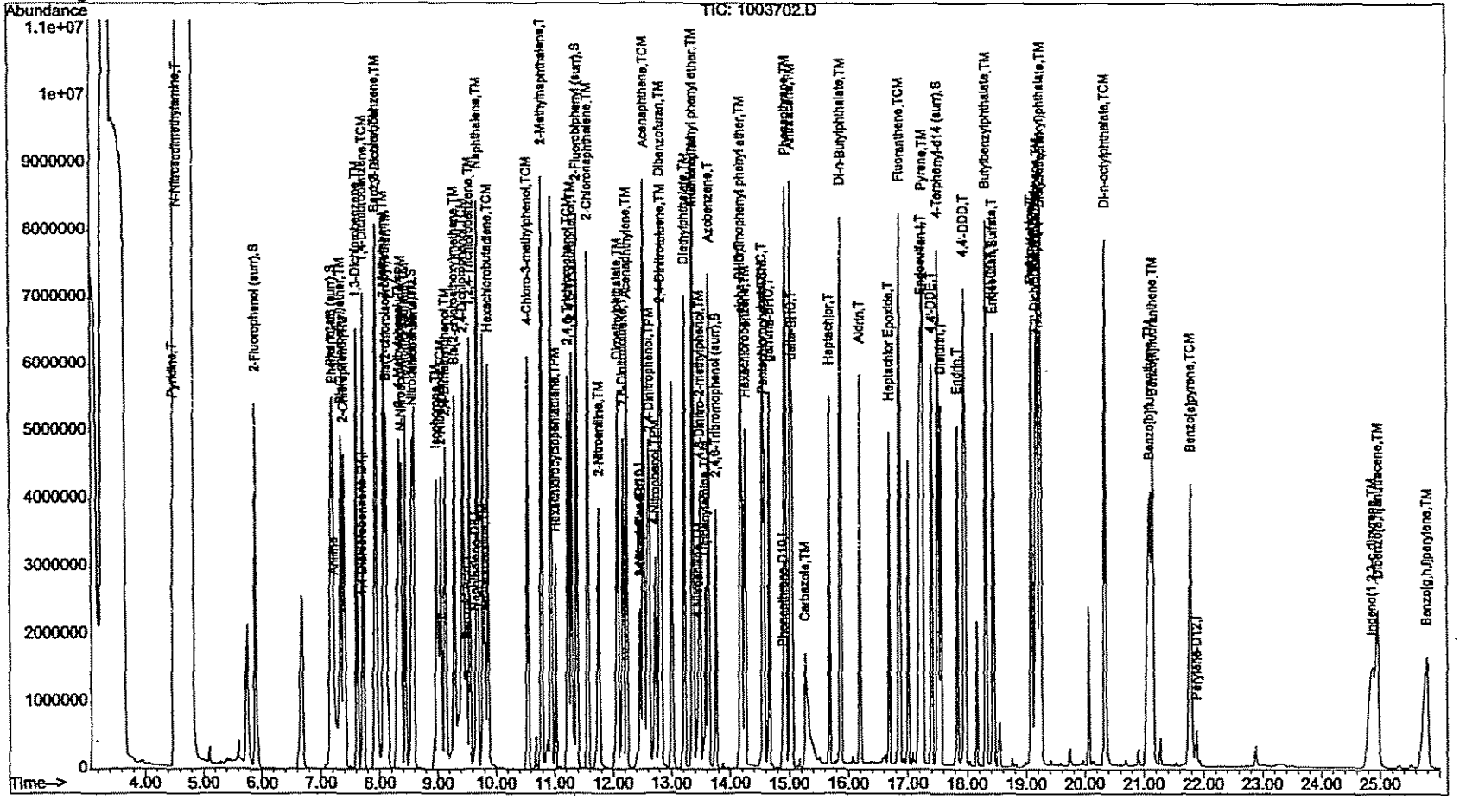
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	delta-BHC	15.06	183	670474	30.88	ug/mL	99
72)	Heptachlor	15.69	100	871006	32.32	ug/mL	87
73)	Aldrin	16.20	66	825149	24.73	ug/mL	87
74)	Heptachlor Epoxide	16.71	353	435954	44.64	ug/mL	100
75)	Endosulfan I	17.23	195	234312	32.50	ug/mL#	85
76)	4,4'-DDE	17.41	246	1447451	35.28	ug/mL	100
77)	Dieldrin	17.56	79	1173627	27.56	ug/mL	95
78)	Endrin	17.85	263	284635	60.49	ug/mL	87
79)	Endosulfan II	0.00	35	0	N.D.		
80)	4,4'-DDD	17.96	235	2527141	36.05	ug/mL	100
81)	Endosulfan Sulfate	18.46	272	262197	29.32	ug/mL	91
82)	4,4'-DDT	18.44	235	1772420	47.90	ug/mL	99
83)	Endrin Aldehyde	0.00	35	0	N.D.		
84)	Endrin Ketone	19.09	317	252825	42.81	ug/mL	98
85)	Methoxychlor	19.10	227	3137077	44.27	ug/mL	99
87)	Pyrene	17.27	202	8087589	38.83	ug/mL	95
88)	Butylbenzylphthalate	18.33	149	4227856	35.56	ug/mL	92
89)	Benzo[a]anthracene	19.19	228	6581489	45.16	ug/mL	100
90)	3,3'-Dichlorobenzidine	19.16	252	870782	99.16	ug/mL#	92
91)	Chrysene	19.26	228	4831752	34.70	ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.24	149	3847200	23.01	ug/mL#	92
95)	Di-n-octylphthalate	20.36	149	9735616	28.61	ug/mL	100
96)	Benzo[b]fluoranthene	21.11	252	6825387	50.03	ug/mL	99
97)	Benzo[k]fluoranthene	21.16	252	4942601m	35.07	ug/mL	
98)	Benzo[a]pyrene	21.79	252	4857170	44.60	ug/mL	97
99)	Indeno(1,2,3-c,d)pyrene	24.86	276	3891887	78.02	ug/mL	99
100)	Dibenzo[a,h]anthracene	24.97	278	3584670	72.66	ug/mL	95
101)	Benzo[g,h,i]perylene	25.79	276	3543711	68.65	ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003702.D Vial: 2
Acq On : 3 Oct 2005 9:12 am Operator: MRC
Sample : SVCAL48 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 9:49 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003703.D Vial: 3
Acq On : 3 Oct 2005 1:35 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:05:54 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:05:47 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	195928	4.00	ug/mL	0.00
19) Naphthalene-D8	9.63	136	823661	4.00	ug/mL	0.00
34) Acenaphthene-d10	12.45	164	395337	4.00	ug/mL	0.00
56) Phenanthrene-D10	14.87	188	648547	4.00	ug/mL	0.00
86) Chrysene-D12	19.18	240	406844	4.00	ug/mL	0.00
94) Perylene-D12	21.86	264	297266	4.00	ug/mL	0.00
System Monitoring Compounds						
17) 2-Fluorophenol (surr)	5.85	112	1321490	23.35	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	233.50%	
18) Phenol-d6 (surr)	7.14	99	1780867	22.76	ug/mL	0.01
Spiked Amount 10.000			Recovery	=	227.60%	
33) Nitrobenzene-d5 (surr)	8.53	128	707861	22.78	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	227.80%	
54) 2-Fluorobiphenyl (surr)	11.38	172	2600568	22.01	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	220.10%	
55) 2,4,6-Tribromophenol (surr	13.74	330	309158	25.03	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	250.30%	
93) 4-Terphenyl-d14 (surr)	17.49	244	2465728	22.49	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	224.90%	

Target Compounds						Qvalue
2) Pyridine	4.37	79	984120	24.30	ug/mL	85
3) N-Nitrosodimethylamine	4.36	74	662608	29.87	ug/mL#	89
4) Phenol	7.17	94	1861498	22.60	ug/mL	98
5) Aniline	7.26	93	517626	40.25	ug/mL	89
6) Bis(2-chloroethyl)ether	7.32	93	1424861m	21.07	ug/mL	
7) 2-Chlorophenol	7.38	128	1482274	22.88	ug/mL	97
8) Benzyl Alcohol	7.91	108	957218	23.31	ug/mL	98
9) 1,3-Dichlorobenzene	7.60	146	1507309	22.76	ug/mL	99
10) 1,4-Dichlorobenzene	7.71	146	1542063	22.83	ug/mL	99
11) 1,2-Dichlorobenzene	7.93	146	1356388	22.51	ug/mL	98
12) 2-Methylphenol	8.05	107	1118313	23.50	ug/mL	98
13) 3-, 4-Methylphenol	8.30	107	1618725	23.52	ug/mL	99
14) Bis(2-chloroisopropyl)ethe	8.10	45	2477146	22.51	ug/mL	99
15) N-Nitrosodi-n-propylamine	8.33	70	882396	23.42	ug/mL	99
16) Hexachloroethane	8.44	117	539662	22.55	ug/mL	94
20) Nitrobenzene	8.56	77	1445221	21.87	ug/mL	97
21) Isophorone	8.94	82	2414834	22.14	ug/mL	99
22) 2-Nitrophenol	9.05	139	864007	22.88	ug/mL	95
23) 2,4-Dimethylphenol	9.11	122	859536	24.59	ug/mL	99
24) Benzoic Acid	9.38	122	1031290m	26.50	ug/mL	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003703.D Vial: 3
Acq On : 3 Oct 2005 1:35 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:05:54 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:05:47 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) Bis(2-chloroethoxy)methane	9.27	93	1602638	21.68 ug/mL	99
26) 2,4-Dichlorophenol	9.42	162	1120487	23.02 ug/mL	98
27) 1,2,4-Trichlorobenzene	9.54	180	1159871	21.96 ug/mL	99
28) Naphthalene	9.67	128	3756170	21.81 ug/mL	100
29) 4-Chloroaniline	9.81	127	535367m	38.41 ug/mL	
30) Hexachlorobutadiene	9.86	225	558501	21.80 ug/mL	99
31) 4-Chloro-3-methylphenol	10.53	107	1177031	22.90 ug/mL	98
32) 2-Methylnaphthalene	10.78	142	2805218	22.02 ug/mL	100
35) Hexachlorocyclopentadiene	11.01	237	232184	28.35 ug/mL	98
36) 2,4,6-Trichlorophenol	11.23	196	788234	22.84 ug/mL	99
37) 2,4,5-Trichlorophenol	11.28	196	795167	22.03 ug/mL	98
38) 2-Chloronaphthalene	11.56	162	2243422	21.86 ug/mL	98
39) 2-Nitroaniline	11.74	65	822606	25.72 ug/mL	99
40) 3-Nitroaniline	12.80	138	60642	18.17 ug/mL#	82
41) 1-Methylnaphthalene	10.78	142	2805218	22.29 ug/mL	99
42) Dimethylphthalate	12.05	163	2616155	22.06 ug/mL	100
43) Acenaphthylene	12.23	152	2702540	19.09 ug/mL	99
44) 2,6-Dinitrotoluene	12.15	165	618925	23.16 ug/mL	96
45) Acenaphthene	12.51	153	2248489	21.96 ug/mL	100
46) 2,4-Dinitrophenol	12.60	184	433671	25.16 ug/mL	96
47) 4-Nitrophenol	12.69	109	363321	26.89 ug/mL	98
48) Dibenzofuran	12.80	168	3105120	21.30 ug/mL	98
49) 2,4-Dinitrotoluene	12.80	165	696291	21.28 ug/mL	95
50) Fluorene	13.35	166	2216949	20.97 ug/mL	100
51) Diethylphthalate	13.20	149	2563420	21.57 ug/mL	99
52) 4-Chlorophenyl phenyl ethe	13.36	204	1041687	20.78 ug/mL	96
53) 4-Nitroaniline	13.43	138	258594	20.84 ug/mL	95
57) 4,6-Dinitro-2-methylphenol	13.46	198	541079	24.86 ug/mL	91
58) Diphenylamine	13.56	169	615794	16.72 ug/mL	94
59) 4-bromophenyl phenyl ether	14.16	248	642236	22.28 ug/mL	98
60) Hexachlorobenzene	14.24	284	626579	22.44 ug/mL	96
61) Pentachlorophenol	14.56	266	500143	25.13 ug/mL	98
62) Phenanthrene	14.92	178	3732309	21.82 ug/mL	100
63) Carbazole	15.27	167	1533473	15.17 ug/mL	100
64) Anthracene	15.00	178	3558866	22.27 ug/mL	100
65) Azobenzene	13.62	77	2731944	21.05 ug/mL	98
66) Di-n-Butylphthalate	15.86	149	4430438	21.04 ug/mL	99
67) Fluoranthene	16.85	202	3641419	22.51 ug/mL	99
68) alpha-BHC	14.18	183	400938	20.87 ug/mL	95
69) beta-BHC	14.53	181	371109	22.03 ug/mL	100
70) gamma-BHC	14.65	183	362706	21.36 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003703.D Vial: 3
Acq On : 3 Oct 2005 1:35 pm Operator: MRC
Sample : SVCAL24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:05:54 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:05:47 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	delta-BHC	15.04	183	335436	21.64 ug/mL	99
72)	Heptachlor	15.68	100	438801	21.34 ug/mL	93
73)	Aldrin	16.18	66	430442	20.02 ug/mL	92
74)	Heptachlor Epoxide	16.69	353	174964	24.90 ug/mL	100
75)	Endosulfan I	17.21	195	109985	21.56 ug/mL	97
76)	4,4'-DDE	17.40	246	682792	22.37 ug/mL	100
77)	Dieldrin	17.54	79	581307	20.55 ug/mL	97
78)	Endrin	17.83	263	117365	25.27 ug/mL	92
79)	Endosulfan II	0.00	35	0	N.D.	
80)	4,4'-DDD	17.94	235	1219032	22.58 ug/mL#	99
81)	Endosulfan Sulfate	18.44	272	141634	20.98 ug/mL#	88
82)	4,4'-DDT	18.42	235	846911	23.67 ug/mL	99
83)	Endrin Aldehyde	0.00	35	0	N.D.	
84)	Endrin Ketone	19.07	317	121330	25.44 ug/mL	99
85)	Methoxychlor	19.08	227	1552893	22.45 ug/mL	100
87)	Pyrene	17.22	202	3574590	21.96 ug/mL	98
88)	Butylbenzylphthalate	18.30	149	1944482	21.42 ug/mL	96
89)	Benzo[a]anthracene	19.17	228	2915327	23.33 ug/mL	99
90)	3,3'-Dichlorobenzidine	19.14	252	335997	35.34 ug/mL#	97
91)	Chrysene	19.23	228	2453483	21.27 ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.24	149	2321969	18.83 ug/mL	97
95)	Di-n-octylphthalate	20.34	149	4683311	21.29 ug/mL	100
96)	Benzo[b]fluoranthene	21.06	252	2728550	25.06 ug/mL	99
97)	Benzo[k]fluoranthene	21.12	252	2291504	21.82 ug/mL	100
98)	Benzo[a]pyrene	21.76	252	2139506	24.06 ug/mL	98
99)	Indeno(1,2,3-c,d)pyrene	24.81	276	1513304	26.91 ug/mL	99
100)	Dibenzo[a,h]anthracene	24.90	278	1480601	26.95 ug/mL	99
101)	Benzo[g,h,i]perylene	25.71	276	1431910	26.04 ug/mL	97

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

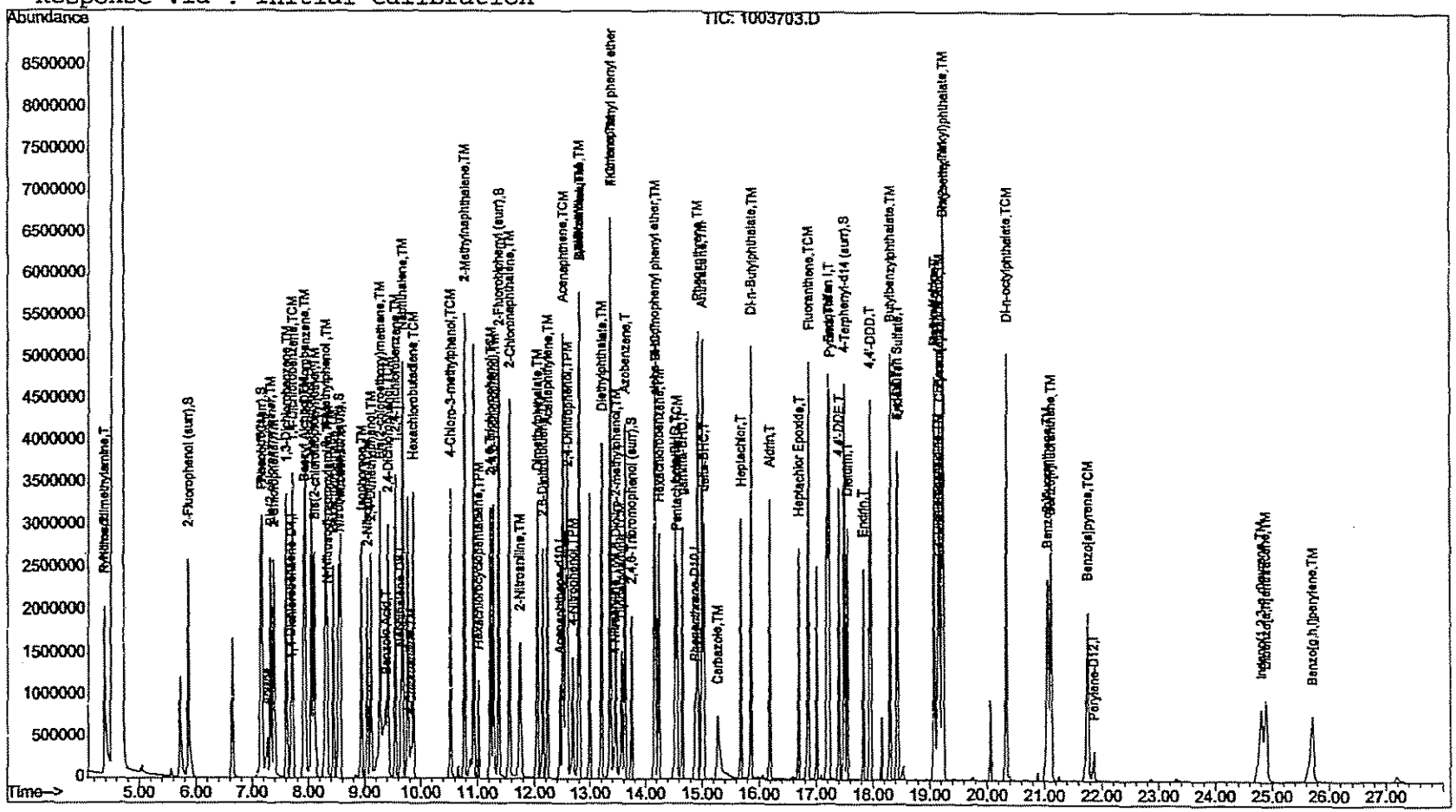
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003703.D
Acq On : 3 Oct 2005 1:35 pm
Sample : SVCAL24
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 14:06 2005

Vial: 3
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003704.D Vial: 4
Acq On : 3 Oct 2005 12:57 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:04:21 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:04:11 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	197010	4.00	ug/mL	0.00
19) Naphthalene-D8	9.63	136	798725	4.00	ug/mL	0.00
34) Acenaphthene-d10	12.45	164	389553	4.00	ug/mL	0.00
56) Phenanthrene-D10	14.87	188	641521	4.00	ug/mL	0.00
86) Chrysene-D12	19.17	240	412981	4.00	ug/mL	0.00
94) Perylene-D12	21.86	264	298662	4.00	ug/mL	0.00
System Monitoring Compounds						
17) 2-Fluorophenol (surr)	5.84	112	695489	12.20	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	122.00%	
18) Phenol-d6 (surr)	7.13	99	938984	11.94	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	119.40%	
33) Nitrobenzene-d5 (surr)	8.52	128	361143	12.00	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	120.00%	
54) 2-Fluorobiphenyl (surr)	11.37	172	1369577	11.68	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	116.80%	
55) 2,4,6-Tribromophenol (surr	13.73	330	151738	12.63	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	126.30%	
93) 4-Terphenyl-d14 (surr)	17.48	244	1295214	11.38	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	113.80%	

Target Compounds						Qvalue
2) Pyridine	4.35	79	484013m	11.31	ug/mL	
3) N-Nitrosodimethylamine	4.31	74	303159m	12.96	ug/mL	
4) Phenol	7.15	94	990492	11.94	ug/mL	94
5) Aniline	7.23	93	83533	6.15	ug/mL#	83
6) Bis(2-chloroethyl)ether	7.30	93	782284m	11.49	ug/mL	
7) 2-Chlorophenol	7.37	128	774848	11.91	ug/mL	98
8) Benzyl Alcohol	7.90	108	502748	12.17	ug/mL	96
9) 1,3-Dichlorobenzene	7.59	146	794382	11.91	ug/mL	99
10) 1,4-Dichlorobenzene	7.70	146	814767	11.97	ug/mL	99
11) 1,2-Dichlorobenzene	7.93	146	730435	12.02	ug/mL	99
12) 2-Methylphenol	8.04	107	576719	12.05	ug/mL	100
13) 3-, 4-Methylphenol	8.28	107	837513	12.17	ug/mL	100
14) Bis(2-chloroisopropyl)ethe	8.10	45	1326021	11.88	ug/mL	97
15) N-Nitrosodi-n-propylamine	8.31	70	461226	12.27	ug/mL	99
16) Hexachloroethane	8.43	117	293385	12.14	ug/mL	98
20) Nitrobenzene	8.55	77	783951	12.23	ug/mL	96
21) Isophorone	8.92	82	1275507	12.03	ug/mL	100
22) 2-Nitrophenol	9.04	139	440114	12.04	ug/mL	96
23) 2,4-Dimethylphenol	9.10	122	426162	12.58	ug/mL	97
24) Benzoic Acid	9.31	122	494257m	13.49	ug/mL	

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

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003704.D Vial: 4
Acq On : 3 Oct 2005 12:57 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:04:21 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:04:11 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.26	93	843557	11.70 ug/mL	98
26)	2,4-Dichlorophenol	9.40	162	573336	12.20 ug/mL	97
27)	1,2,4-Trichlorobenzene	9.54	180	607906	11.84 ug/mL	97
28)	Naphthalene	9.66	128	1985003	11.86 ug/mL	99
29)	4-Chloroaniline	9.81	127	174522m	13.49 ug/mL	
30)	Hexachlorobutadiene	9.85	225	297778	11.92 ug/mL	98
31)	4-Chloro-3-methylphenol	10.52	107	619063	12.53 ug/mL	99
32)	2-Methylnaphthalene	10.77	142	1481308	12.01 ug/mL	98
35)	Hexachlorocyclopentadiene	11.01	237	104671	13.93 ug/mL#	98
36)	2,4,6-Trichlorophenol	11.22	196	402975	11.87 ug/mL	97
37)	2,4,5-Trichlorophenol	11.27	196	436435	12.35 ug/mL	97
38)	2-Chloronaphthalene	11.55	162	1182766	11.65 ug/mL	99
39)	2-Nitroaniline	11.73	65	383248	12.26 ug/mL	100
40)	3-Nitroaniline	12.79	138	30694	9.27 ug/mL#	100
41)	1-Methylnaphthalene	10.77	142	1481308	12.05 ug/mL	99
42)	Dimethylphthalate	12.04	163	1357039	11.58 ug/mL	99
43)	Acenaphthylene	12.22	152	1631480	11.63 ug/mL	98
44)	2,6-Dinitrotoluene	12.13	165	318825	12.16 ug/mL	98
45)	Acenaphthene	12.51	153	1188777	11.76 ug/mL	99
46)	2,4-Dinitrophenol	12.59	184	214161	13.00 ug/mL#	75
47)	4-Nitrophenol	12.67	109	174450	13.63 ug/mL	89
48)	Dibenzofuran	12.80	168	1663029	11.56 ug/mL	99
49)	2,4-Dinitrotoluene	12.78	165	378690	11.79 ug/mL#	91
50)	Fluorene	13.35	166	1231528	11.79 ug/mL	98
51)	Diethylphthalate	13.19	149	1366960	11.63 ug/mL	100
52)	4-Chlorophenyl phenyl ethe	13.35	204	577874	11.60 ug/mL	98
53)	4-Nitroaniline	13.41	138	191596m	17.19 ug/mL	
57)	4,6-Dinitro-2-methylphenol	13.44	198	269592	12.66 ug/mL	98
58)	Diphenylamine	13.55	169	372168	9.74 ug/mL	98
59)	4-bromophenyl phenyl ether	14.15	248	342306	11.86 ug/mL	92
60)	Hexachlorobenzene	14.23	284	327160	11.70 ug/mL	92
61)	Pentachlorophenol	14.55	266	244871	12.80 ug/mL	97
62)	Phenanthrene	14.91	178	1993562	11.75 ug/mL	99
63)	Carbazole	15.26	167	1011948	10.57 ug/mL	97
64)	Anthracene	14.99	178	1876747	11.84 ug/mL	100
65)	Azobenzene	13.62	77	1515034	11.64 ug/mL	99
66)	Di-n-Butylphthalate	15.86	149	2395603	11.33 ug/mL	99
67)	Fluoranthene	16.84	202	1914183	12.00 ug/mL	98
68)	alpha-BHC	14.17	183	222131	11.55 ug/mL	96
69)	beta-BHC	14.52	181	200069	11.90 ug/mL	97
70)	gamma-BHC	14.65	183	195756	11.50 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003704.D Vial: 4
Acq On : 3 Oct 2005 12:57 pm Operator: MRC
Sample : SVCAL12 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:04:21 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:04:11 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	delta-BHC	15.03	183	186249	12.07	ug/mL	99
72)	Heptachlor	15.67	100	246321	12.01	ug/mL	89
73)	Aldrin	16.18	66	252810	11.67	ug/mL	90
74)	Heptachlor Epoxide	16.69	353	85946	12.24	ug/mL	91
75)	Endosulfan I	17.20	195	63484	12.51	ug/mL#	100
76)	4,4'-DDE	17.39	246	366770	12.08	ug/mL	98
77)	Dieldrin	17.54	79	331325	11.67	ug/mL#	89
78)	Endrin	17.83	263	56791	12.49	ug/mL#	83
79)	Endosulfan II	0.00	35	0	N.D.		
80)	4,4'-DDD	17.94	235	654581	12.22	ug/mL#	100
81)	Endosulfan Sulfate	18.43	272	79403	11.84	ug/mL#	100
82)	4,4'-DDT	18.42	235	447138	12.81	ug/mL	97
83)	Endrin Aldehyde	0.00	35	0	N.D.		
84)	Endrin Ketone	19.07	317	62913	13.44	ug/mL#	56
85)	Methoxychlor	19.07	227	844289	12.43	ug/mL	97
87)	Pyrene	17.21	202	1911188	11.34	ug/mL	98
88)	Butylbenzylphthalate	18.29	149	1050135	11.04	ug/mL	98
89)	Benzo[a]anthracene	19.16	228	1494454	11.74	ug/mL	98
90)	3,3'-Dichlorobenzidine	19.13	252	126023	13.17	ug/mL#	92
91)	Chrysene	19.21	228	1390781	11.82	ug/mL	100
92)	Bis(2-ethylhexyl)phthalate	19.23	149	1411500	10.83	ug/mL#	97
95)	Di-n-octylphthalate	20.33	149	2531714	10.77	ug/mL	100
96)	Benzo[b]fluoranthene	21.04	252	1317417	11.95	ug/mL	98
97)	Benzo[k]fluoranthene	21.10	252	1281832	12.02	ug/mL	99
98)	Benzo[a]pyrene	21.74	252	1081524	12.07	ug/mL	100
99)	Indeno(1,2,3-c,d)pyrene	24.78	276	697770	12.74	ug/mL	94
100)	Dibenzo[a,h]anthracene	24.87	278	704652	13.16	ug/mL	91
101)	Benzo[g,h,i]perylene	25.68	276	683055	12.66	ug/mL	98

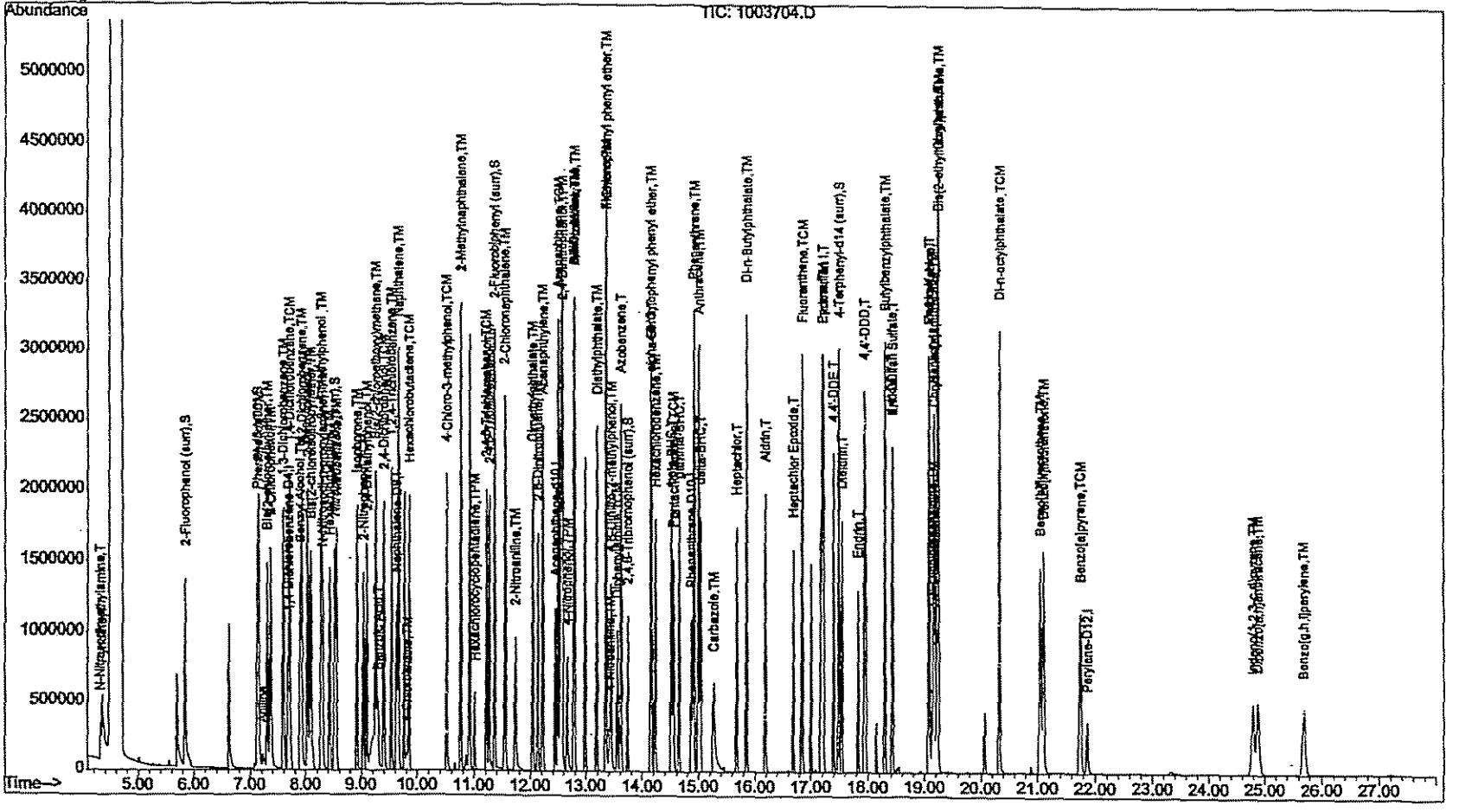
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003704.D
Acq On : 3 Oct 2005 12:57 pm
Sample : SVCAL12
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 14:05 2005

Vial: 4
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



1003704.D 8270.M Mon Oct 03 14:38:09 2005 ENV

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003705.D Vial: 5
Acq On : 3 Oct 2005 12:20 pm Operator: MRC
Sample : SVCAL08 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:01:02 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	200286	4.00 ug/mL	0.00
19) Naphthalene-D8	9.63	136	818452	4.00 ug/mL	0.00
34) Acenaphthene-d10	12.45	164	393709	4.00 ug/mL	0.00
56) Phenanthrene-D10	14.87	188	645683	4.00 ug/mL	0.00
86) Chrysene-D12	19.17	240	420418	4.00 ug/mL	0.00
94) Perylene-D12	21.85	264	316754	4.00 ug/mL	0.00
System Monitoring Compounds					
17) 2-Fluorophenol (surr)	5.84	112	461224	7.95 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 79.50%	
18) Phenol-d6 (surr)	7.12	99	631400	7.91 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 79.10%	
33) Nitrobenzene-d5 (surr)	8.52	128	241885	7.85 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 78.50%	
54) 2-Fluorobiphenyl (surr)	11.37	172	923358	7.78 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 77.80%	
55) 2,4,6-Tribromophenol (surr	13.73	330	97425	8.05 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 80.50%	
93) 4-Terphenyl-d14 (surr)	17.48	244	862741	7.37 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 73.70%	
Target Compounds					Qvalue
2) Pyridine	4.35	79	289947	6.29 ug/mL#	61
3) N-Nitrosodimethylamine	4.31	74	180665	7.15 ug/mL#	79
4) Phenol	7.14	94	664766	7.85 ug/mL	99
5) Aniline	7.22	93	76029	5.47 ug/mL#	86
6) Bis(2-chloroethyl)ether	7.30	93	532232m	7.71 ug/mL	
7) 2-Chlorophenol	7.36	128	521749	7.89 ug/mL	97
8) Benzyl Alcohol	7.89	108	339145	8.10 ug/mL	97
9) 1,3-Dichlorobenzene	7.59	146	536572	7.92 ug/mL	100
10) 1,4-Dichlorobenzene	7.70	146	549126	7.94 ug/mL	98
11) 1,2-Dichlorobenzene	7.92	146	495955	8.04 ug/mL	98
12) 2-Methylphenol	8.04	107	388742	7.99 ug/mL	99
13) 3-, 4-Methylphenol	8.27	107	550742	7.88 ug/mL	98
14) Bis(2-chloroisopropyl)ethe	8.09	45	897720	7.87 ug/mL	99
15) N-Nitrosodi-n-propylamine	8.30	70	317287	8.36 ug/mL	99
16) Hexachloroethane	8.43	117	197373	8.01 ug/mL	99
20) Nitrobenzene	8.55	77	526876	7.99 ug/mL	99
21) Isophorone	8.92	82	858658	7.88 ug/mL	99
22) 2-Nitrophenol	9.03	139	294240	7.86 ug/mL	98
23) 2,4-Dimethylphenol	9.09	122	248613	7.14 ug/mL	98
24) Benzoic Acid	9.27	122	312683	8.45 ug/mL	99

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

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003705.D Vial: 5
Acq On : 3 Oct 2005 12:20 pm Operator: MRC
Sample : SVCAL08 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:01:02 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) Bis(2-chloroethoxy)methane	9.26	93	573584	7.73 ug/mL	99
26) 2,4-Dichlorophenol	9.40	162	382113	7.94 ug/mL	99
27) 1,2,4-Trichlorobenzene	9.53	180	408666	7.76 ug/mL	99
28) Naphthalene	9.66	128	1352414	7.89 ug/mL	99
29) 4-Chloroaniline	9.81	127	96992m	7.33 ug/mL	
30) Hexachlorobutadiene	9.85	225	200510	7.80 ug/mL	99
31) 4-Chloro-3-methylphenol	10.52	107	407068	8.01 ug/mL	99
32) 2-Methylnaphthalene	10.77	142	1004460	7.93 ug/mL	100
35) Hexachlorocyclopentadiene	11.01	237	64226	8.82 ug/mL	97
36) 2,4,6-Trichlorophenol	11.22	196	269528	7.86 ug/mL	99
37) 2,4,5-Trichlorophenol	11.27	196	287124	8.04 ug/mL	99
38) 2-Chloronaphthalene	11.55	162	803034	7.82 ug/mL	99
39) 2-Nitroaniline	11.73	65	246737	7.81 ug/mL	97
40) 3-Nitroaniline	12.79	138	21842m	6.30 ug/mL	
41) 1-Methylnaphthalene	10.77	142	1004460	8.20 ug/mL	100
42) Dimethylphthalate	12.04	163	916971	7.73 ug/mL	99
43) Acenaphthylene	12.22	152	1149477	8.10 ug/mL	99
44) 2,6-Dinitrotoluene	12.13	165	211281	7.98 ug/mL	95
45) Acenaphthene	12.50	153	810119	7.93 ug/mL	100
46) 2,4-Dinitrophenol	12.59	184	140117	8.57 ug/mL	97
47) 4-Nitrophenol	12.66	109	112956	9.03 ug/mL	99
48) Dibenzofuran	12.79	168	1138712	7.82 ug/mL	99
49) 2,4-Dinitrotoluene	12.78	165	258072	7.94 ug/mL	98
50) Fluorene	13.34	166	844156	7.96 ug/mL	97
51) Diethylphthalate	13.19	149	936063	7.86 ug/mL	99
52) 4-Chlorophenyl phenyl ethe	13.35	204	396315	7.82 ug/mL	99
53) 4-Nitroaniline	13.40	138	103101	9.64 ug/mL	96
57) 4,6-Dinitro-2-methylphenol	13.43	198	178230	8.43 ug/mL	97
58) Diphenylamine	13.55	169	275711	7.02 ug/mL	98
59) 4-bromophenyl phenyl ether	14.15	248	228539	7.85 ug/mL	98
60) Hexachlorobenzene	14.23	284	216949	7.67 ug/mL	98
61) Pentachlorophenol	14.55	266	161977	8.75 ug/mL	98
62) Phenanthrene	14.90	178	1337626	7.83 ug/mL	100
63) Carbazole	15.26	167	765168	8.26 ug/mL	99
64) Anthracene	14.99	178	1266004	7.92 ug/mL	100
65) Azobenzene	13.61	77	1028700	7.78 ug/mL	100
66) Di-n-Butylphthalate	15.85	149	1640057	7.66 ug/mL	100
67) Fluoranthene	16.84	202	1271207	7.92 ug/mL	99
68) alpha-BHC	14.16	183	151684	7.80 ug/mL	96
69) beta-BHC	14.51	181	136401	8.02 ug/mL	100
70) gamma-BHC	14.65	183	133848	7.79 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003705.D Vial: 5
Acq On : 3 Oct 2005 12:20 pm Operator: MRC
Sample : SVCAL08 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 14:01:02 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	delta-BHC	15.03	183	125898	8.07	ug/mL	98
72)	Heptachlor	15.67	100	166908	8.10	ug/mL	99
73)	Aldrin	16.18	66	176678	8.04	ug/mL	100
74)	Heptachlor Epoxide	16.69	353	54073	7.57	ug/mL	99
75)	Endosulfan I	17.19	195	43544	8.52	ug/mL	99
76)	4,4'-DDE	17.39	246	242637	7.93	ug/mL	99
77)	Dieldrin	17.54	79	230061	8.00	ug/mL	99
78)	Endrin	17.82	263	37781	8.48	ug/mL	99
79)	Endosulfan II	0.00	35	0	N.D.		
80)	4,4'-DDD	17.93	235	434571	8.05	ug/mL#	99
81)	Endosulfan Sulfate	18.43	272	55620	8.25	ug/mL	99
82)	4,4'-DDT	18.42	235	300177	8.76	ug/mL	98
83)	Endrin Aldehyde	0.00	35	0	N.D.		
84)	Endrin Ketone	19.07	317	39505	8.41	ug/mL	95
85)	Methoxychlor	19.07	227	580737	8.73	ug/mL	99
87)	Pyrene	17.21	202	1281077	7.39	ug/mL	99
88)	Butylbenzylphthalate	18.29	149	715969	7.31	ug/mL	99
89)	Benzo[a]anthracene	19.15	228	1003133	7.77	ug/mL	99
90)	3,3'-Dichlorobenzidine	19.13	252	74417	7.69	ug/mL	94
91)	Chrysene	19.21	228	944087	7.88	ug/mL	98
92)	Bis(2-ethylhexyl)phthalate	19.23	149	970489	7.23	ug/mL	100
95)	Di-n-octylphthalate	20.32	149	1712895	6.63	ug/mL	100
96)	Benzo[b]fluoranthene	21.04	252	880028	7.46	ug/mL	100
97)	Benzo[k]fluoranthene	21.10	252	901140	7.89	ug/mL	100
98)	Benzo[a]pyrene	21.73	252	746014	7.86	ug/mL	98
99)	Indeno(1,2,3-c,d)pyrene	24.77	276	446351	7.96	ug/mL	98
100)	Dibenzo[a,h]anthracene	24.86	278	452263	8.24	ug/mL	98
101)	Benzo[g,h,i]perylene	25.66	276	437803	7.88	ug/mL	99

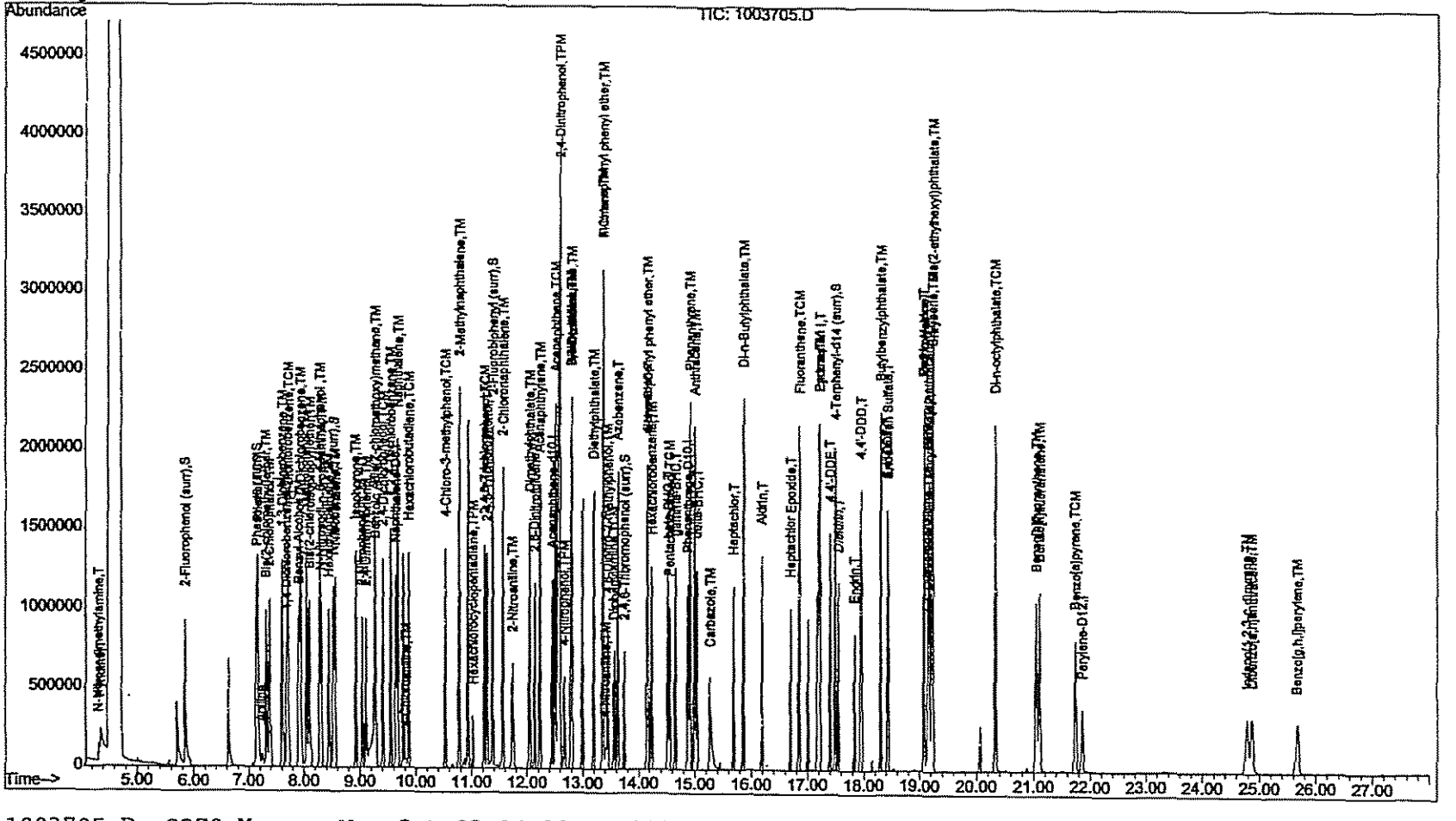
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003705.D
Acq On : 3 Oct 2005 12:20 pm
Sample : SVCAL08
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 14:02 2005

Vial: 5
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003706.D Vial: 6
Acq On : 3 Oct 2005 11:43 am Operator: MRC
Sample : SVCAL06 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 13:59:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 13:59:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	211112	4.00	ug/mL	0.00
19) Naphthalene-D8	9.63	136	862792	4.00	ug/mL	0.00
34) Acenaphthene-d10	12.45	164	419500	4.00	ug/mL	0.00
56) Phenanthrene-D10	14.87	188	687019	4.00	ug/mL	0.00
86) Chrysene-D12	19.17	240	458932	4.00	ug/mL	0.00
94) Perylene-D12	21.85	264	375837	4.00	ug/mL	0.00
System Monitoring Compounds						
17) 2-Fluorophenol (surr)	5.84	112	373218	6.08	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	60.80%	
18) Phenol-d6 (surr)	7.12	99	531711	6.33	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	63.30%	
33) Nitrobenzene-d5 (surr)	8.52	128	206553	6.38	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	63.80%	
54) 2-Fluorobiphenyl (surr)	11.36	172	778820	6.13	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	61.30%	
55) 2,4,6-Tribromophenol (surr	13.73	330	80227	6.28	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	62.80%	
93) 4-Terphenyl-d14 (surr)	17.48	244	732762	5.71	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	57.10%	

Target Compounds						Qvalue
2) Pyridine	4.38	79	173152m	3.30	ug/mL	
3) N-Nitrosodimethylamine	4.34	74	131962m	4.58	ug/mL	
4) Phenol	7.14	94	561823	6.28	ug/mL	99
5) Aniline	7.23	93	57678	4.01	ug/mL#	77
6) Bis(2-chloroethyl)ether	7.30	93	454694m	6.26	ug/mL	
7) 2-Chlorophenol	7.37	128	438598	6.30	ug/mL	97
8) Benzyl Alcohol	7.89	108	291196	6.63	ug/mL	97
9) 1,3-Dichlorobenzene	7.59	146	446292	6.24	ug/mL	98
10) 1,4-Dichlorobenzene	7.70	146	454024	6.22	ug/mL	98
11) 1,2-Dichlorobenzene	7.93	146	416043	6.40	ug/mL	100
12) 2-Methylphenol	8.04	107	320362	6.24	ug/mL	99
13) 3-, 4-Methylphenol	8.27	107	461518	6.28	ug/mL	99
14) Bis(2-chloroisopropyl)ethe	8.09	45	752908	6.21	ug/mL	99
15) N-Nitrosodi-n-propylamine	8.29	70	260050	6.53	ug/mL	99
16) Hexachloroethane	8.43	117	165779	6.38	ug/mL	95
20) Nitrobenzene	8.55	77	445947	6.40	ug/mL	98
21) Isophorone	8.92	82	725288	6.30	ug/mL	98
22) 2-Nitrophenol	9.03	139	250152	6.36	ug/mL	96
23) 2,4-Dimethylphenol	9.09	122	198909	5.41	ug/mL	100
24) Benzoic Acid	9.26	122	262092	6.89	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003706.D Vial: 6
Acq On : 3 Oct 2005 11:43 am Operator: MRC
Sample : SVCAL06 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 13:59:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 13:59:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.25	93	488241	6.22 ug/mL	99
26)	2,4-Dichlorophenol	9.40	162	320721	6.33 ug/mL	98
27)	1,2,4-Trichlorobenzene	9.54	180	347283	6.24 ug/mL	97
28)	Naphthalene	9.66	128	1136618	6.29 ug/mL	100
29)	4-Chloroaniline	9.80	127	87889m	6.40 ug/mL	
30)	Hexachlorobutadiene	9.85	225	172268	6.34 ug/mL	98
31)	4-Chloro-3-methylphenol	10.51	107	339581	6.34 ug/mL	99
32)	2-Methylnaphthalene	10.77	142	846018	6.34 ug/mL	100
35)	Hexachlorocyclopentadiene	11.01	237	53357	7.25 ug/mL#	95
36)	2,4,6-Trichlorophenol	11.22	196	225606	6.19 ug/mL	96
37)	2,4,5-Trichlorophenol	11.27	196	240796	6.35 ug/mL	98
38)	2-Chloronaphthalene	11.55	162	675307	6.15 ug/mL	97
39)	2-Nitroaniline	11.73	65	207878	6.18 ug/mL	98
40)	3-Nitroaniline	12.79	138	18187m	4.54 ug/mL	
41)	1-Methylnaphthalene	10.77	142	846018	6.57 ug/mL	100
42)	Dimethylphthalate	12.03	163	772826	6.09 ug/mL	99
43)	Acenaphthylene	12.22	152	966814	6.38 ug/mL	99
44)	2,6-Dinitrotoluene	12.13	165	179619	6.37 ug/mL	96
45)	Acenaphthene	12.50	153	677260	6.21 ug/mL	100
46)	2,4-Dinitrophenol	12.59	184	114951	6.72 ug/mL	85
47)	4-Nitrophenol	12.66	109	94564	7.43 ug/mL	93
48)	Dibenzofuran	12.79	168	965665	6.23 ug/mL	99
49)	2,4-Dinitrotoluene	12.78	165	220275	6.39 ug/mL	92
50)	Fluorene	13.34	166	715356	6.32 ug/mL	98
51)	Diethylphthalate	13.18	149	785311	6.17 ug/mL	98
52)	4-Chlorophenyl phenyl ethe	13.35	204	336648	6.19 ug/mL	95
53)	4-Nitroaniline	13.40	138	89116	8.38 ug/mL#	77
57)	4,6-Dinitro-2-methylphenol	13.43	198	147788	6.65 ug/mL	97
58)	Diphenylamine	13.54	169	225162	5.27 ug/mL	97
59)	4-bromophenyl phenyl ether	14.15	248	194615	6.25 ug/mL	97
60)	Hexachlorobenzene	14.23	284	181220	5.98 ug/mL	98
61)	Pentachlorophenol	14.55	266	134990	7.19 ug/mL	100
62)	Phenanthrene	14.90	178	1122579	6.16 ug/mL	99
63)	Carbazole	15.26	167	671063	7.11 ug/mL	98
64)	Anthracene	14.99	178	1057536	6.21 ug/mL	99
65)	Azobenzene	13.61	77	867573	6.09 ug/mL	99
66)	Di-n-Butylphthalate	15.85	149	1400841	6.11 ug/mL	100
67)	Fluoranthene	16.84	202	1080754	6.34 ug/mL	96
68)	alpha-BHC	14.16	183	131874	6.36 ug/mL	96
69)	beta-BHC	14.51	181	115665	6.37 ug/mL	99
70)	gamma-BHC	14.64	183	114358	6.21 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003706.D Vial: 6
Acq On : 3 Oct 2005 11:43 am Operator: MRC
Sample : SVCAL06 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 13:59:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 13:59:23 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	delta-BHC	15.03	183	107022	6.41 ug/mL	100
72)	Heptachlor	15.67	100	140647	6.40 ug/mL	97
73)	Aldrin	16.18	66	148675	6.28 ug/mL	99
74)	Heptachlor Epoxide	16.69	353	45171	5.91 ug/mL	96
75)	Endosulfan I	17.19	195	36718	6.71 ug/mL#	100
76)	4,4'-DDE	17.39	246	203278	6.22 ug/mL	100
77)	Dieldrin	17.54	79	193638	6.29 ug/mL	98
78)	Endrin	17.82	263	32472	7.05 ug/mL	89
79)	Endosulfan II	0.00	35	0	N.D.	
80)	4,4'-DDD	17.93	235	366912	6.39 ug/mL#	100
81)	Endosulfan Sulfate	18.43	272	46500	6.47 ug/mL#	44
82)	4,4'-DDT	18.41	235	253050	7.11 ug/mL	100
83)	Endrin Aldehyde	0.00	35	0	N.D.	
84)	Endrin Ketone	19.06	317	33306	6.68 ug/mL#	83
85)	Methoxychlor	19.07	227	495705	7.19 ug/mL	99
87)	Pyrene	17.21	202	1087948	5.72 ug/mL	96
88)	Butylbenzylphthalate	18.29	149	612418	5.70 ug/mL	98
89)	Benzo[a]anthracene	19.15	228	866536	6.17 ug/mL	99
90)	3,3'-Dichlorobenzidine	19.13	252	64295	6.17 ug/mL#	98
91)	Chrysene	19.21	228	817393	6.24 ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.23	149	845740	5.72 ug/mL	99
95)	Di-n-octylphthalate	20.32	149	1494438	4.74 ug/mL	100
96)	Benzo[b]fluoranthene	21.03	252	796634	5.64 ug/mL	99
97)	Benzo[k]fluoranthene	21.09	252	807152	5.89 ug/mL	99
98)	Benzo[a]pyrene	21.73	252	697486	6.20 ug/mL	99
99)	Indeno(1,2,3-c,d)pyrene	24.77	276	460175	7.22 ug/mL	98
100)	Dibenzo[a,h]anthracene	24.86	278	462920	7.38 ug/mL	96
101)	Benzo[g,h,i]perylene	25.67	276	452603	7.08 ug/mL	95

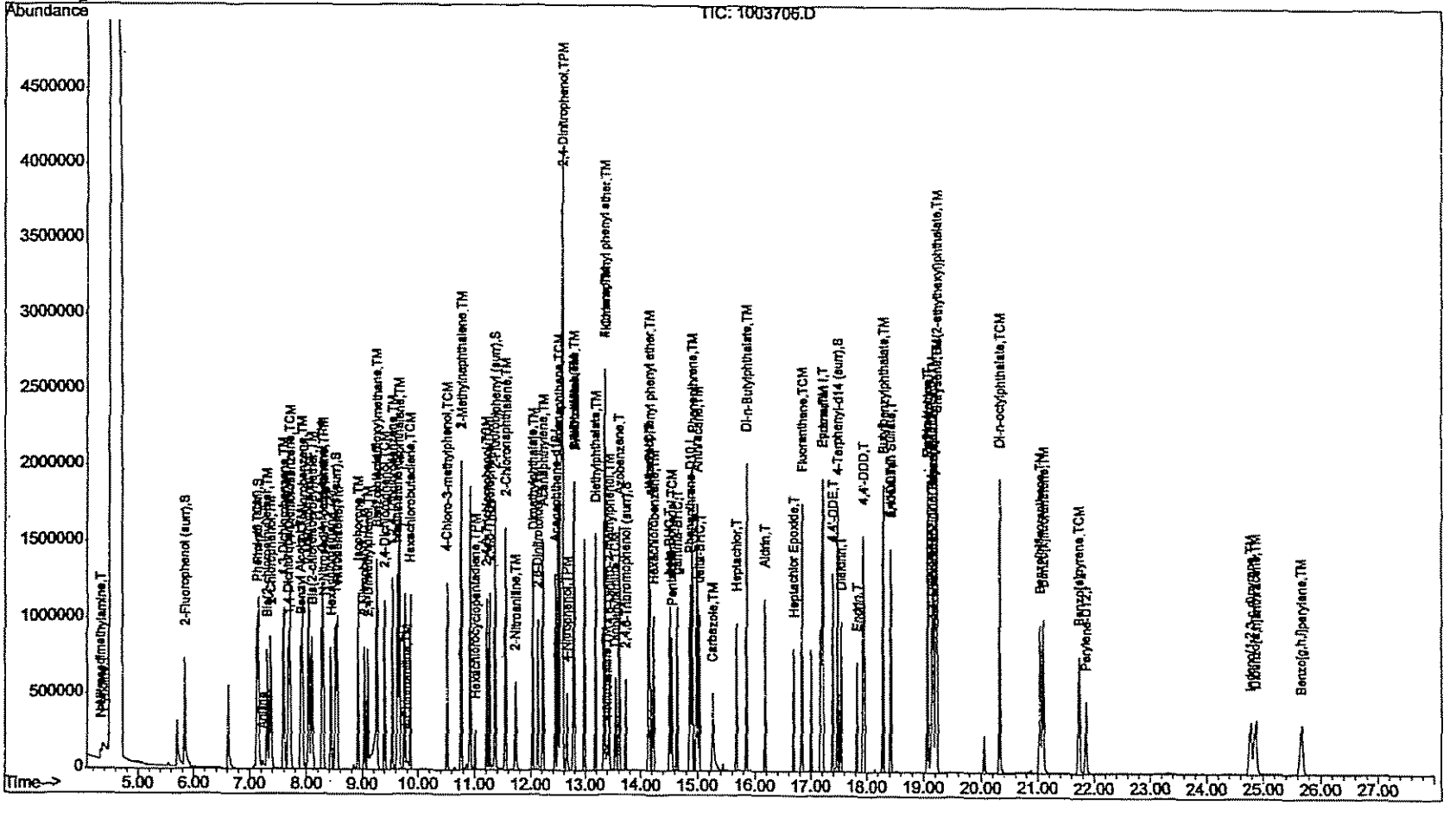
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003706.D
Acq On : 3 Oct 2005 11:43 am
Sample : SVCAL06
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 14:03 2005

Vial: 6
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



1003706.D 8270.M Mon Oct 03 14:38:22 2005 ENV

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003707.D Vial: 7
Acq On : 3 Oct 2005 11:06 am Operator: MRC
Sample : SVCAL04 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 11:34:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	206993	4.00	ug/mL	0.00
19) Naphthalene-D8	9.63	136	840720	4.00	ug/mL	0.00
34) Acenaphthene-d10	12.45	164	392877	4.00	ug/mL	0.00
56) Phenanthrene-D10	14.86	188	627400	4.00	ug/mL	0.00
86) Chrysene-D12	19.16	240	416986	4.00	ug/mL	0.00
94) Perylene-D12	21.85	264	340207	4.00	ug/mL	0.00
System Monitoring Compounds						
17) 2-Fluorophenol (surr)	5.84	112	240482	4.04	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.40%	
18) Phenol-d6 (surr)	7.12	99	330965	4.04	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.40%	
33) Nitrobenzene-d5 (surr)	8.51	128	127416	4.08	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.80%	
54) 2-Fluorobiphenyl (surr)	11.36	172	486936	4.11	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	41.10%	
55) 2,4,6-Tribromophenol (surr	13.72	330	45780	4.03	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	40.30%	
93) 4-Terphenyl-d14 (surr)	17.47	244	424633	3.56	ug/mL	0.00
Spiked Amount 10.000			Recovery	=	35.60%	

Target Compounds						Qvalue
2) Pyridine	4.47	79	68165m	1.19	ug/mL	
3) N-Nitrosodimethylamine	4.39	74	55677m	1.79	ug/mL	
4) Phenol	7.14	94	348395	3.96	ug/mL	94
5) Aniline	7.23	93	46864	3.90	ug/mL#	62
6) Bis(2-chloroethyl)ether	7.30	93	289745m	4.01	ug/mL	
7) 2-Chlorophenol	7.36	128	274239	4.04	ug/mL	96
8) Benzyl Alcohol	7.89	108	175991	4.16	ug/mL	98
9) 1,3-Dichlorobenzene	7.59	146	287166	4.09	ug/mL	100
10) 1,4-Dichlorobenzene	7.70	146	291088	4.06	ug/mL	98
11) 1,2-Dichlorobenzene	7.92	146	265113	4.16	ug/mL	96
12) 2-Methylphenol	8.03	107	197218	3.93	ug/mL	98
13) 3-, 4-Methylphenol	8.27	107	276760	3.86	ug/mL	98
14) Bis(2-chloroisopropyl)ethe	8.09	45	473884	3.89	ug/mL	97
15) N-Nitrosodi-n-propylamine	8.29	70	161367	4.12	ug/mL	98
16) Hexachloroethane	8.43	117	102070	3.97	ug/mL	98
20) Nitrobenzene	8.54	77	275261	4.00	ug/mL	98
21) Isophorone	8.91	82	447269	3.94	ug/mL	100
22) 2-Nitrophenol	9.03	139	153529	4.08	ug/mL	96
23) 2,4-Dimethylphenol	9.09	122	124833	3.49	ug/mL	95
24) Benzoic Acid	9.23	122	151644	4.50	ug/mL#	100

(#) = qualifier out of range (m) = manual integration
1003707.D 8270.M Mon Oct 03 14:38:26 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003707.D Vial: 7
Acq On : 3 Oct 2005 11:06 am Operator: MRC
Sample : SVCAL04 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 11:34:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.25	93	312915	4.07 ug/mL	99
26)	2,4-Dichlorophenol	9.39	162	197040	4.05 ug/mL	98
27)	1,2,4-Trichlorobenzene	9.53	180	219596	4.08 ug/mL	99
28)	Naphthalene	9.66	128	721144	4.11 ug/mL	99
29)	4-Chloroaniline	9.79	127	38232m	2.84 ug/mL	
30)	Hexachlorobutadiene	9.85	225	109264	4.11 ug/mL	97
31)	4-Chloro-3-methylphenol	10.51	107	202197	3.91 ug/mL	98
32)	2-Methylnaphthalene	10.77	142	529689	4.09 ug/mL	99
35)	Hexachlorocyclopentadiene	11.01	237	29145	5.24 ug/mL#	98
36)	2,4,6-Trichlorophenol	11.21	196	137139	4.11 ug/mL	96
37)	2,4,5-Trichlorophenol	11.27	196	144917	4.21 ug/mL	98
38)	2-Chloronaphthalene	11.55	162	420927	4.11 ug/mL	99
39)	2-Nitroaniline	11.72	65	116942	3.72 ug/mL	96
40)	3-Nitroaniline	12.79	138	10416m	2.76 ug/mL	
41)	1-Methylnaphthalene	10.77	142	529689	4.55 ug/mL	99
42)	Dimethylphthalate	12.03	163	479926	4.05 ug/mL	99
43)	Acenaphthylene	12.22	152	605933	4.27 ug/mL	98
44)	2,6-Dinitrotoluene	12.12	165	107202	4.12 ug/mL	99
45)	Acenaphthene	12.50	153	417168	4.09 ug/mL	99
46)	2,4-Dinitrophenol	12.58	184	65469	4.43 ug/mL#	74
47)	4-Nitrophenol	12.65	109	52263	5.30 ug/mL	84
48)	Dibenzofuran	12.79	168	595748	4.13 ug/mL	98
49)	2,4-Dinitrotoluene	12.77	165	132355	4.16 ug/mL#	100
50)	Fluorene	13.34	166	431182	4.06 ug/mL	98
51)	Diethylphthalate	13.18	149	486592	4.08 ug/mL	98
52)	4-Chlorophenyl phenyl ethe	13.35	204	210450	4.10 ug/mL	99
53)	4-Nitroaniline	13.39	138	49050	6.05 ug/mL#	90
57)	4,6-Dinitro-2-methylphenol	13.43	198	82023	4.30 ug/mL	95
58)	Diphenylamine	13.54	169	150470	3.63 ug/mL	99
59)	4-bromophenyl phenyl ether	14.14	248	113722	3.98 ug/mL	97
60)	Hexachlorobenzene	14.22	284	107748	3.88 ug/mL	99
61)	Pentachlorophenol	14.55	266	75322	4.89 ug/mL	98
62)	Phenanthrene	14.90	178	676958	4.09 ug/mL	98
63)	Carbazole	15.26	167	422275	5.05 ug/mL	99
64)	Anthracene	14.98	178	637435	4.13 ug/mL	99
65)	Azobenzene	13.61	77	524523	3.91 ug/mL	99
66)	Di-n-Butylphthalate	15.85	149	863310	4.11 ug/mL	99
67)	Fluoranthene	16.83	202	636657	4.17 ug/mL	99
68)	alpha-BHC	14.16	183	79280	4.13 ug/mL	86
69)	beta-BHC	14.50	181	67969	4.06 ug/mL	98
70)	gamma-BHC	14.64	183	69595	4.11 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003707.D Vial: 7
Acq On : 3 Oct 2005 11:06 am Operator: MRC
Sample : SVCAL04 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 11:34:33 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

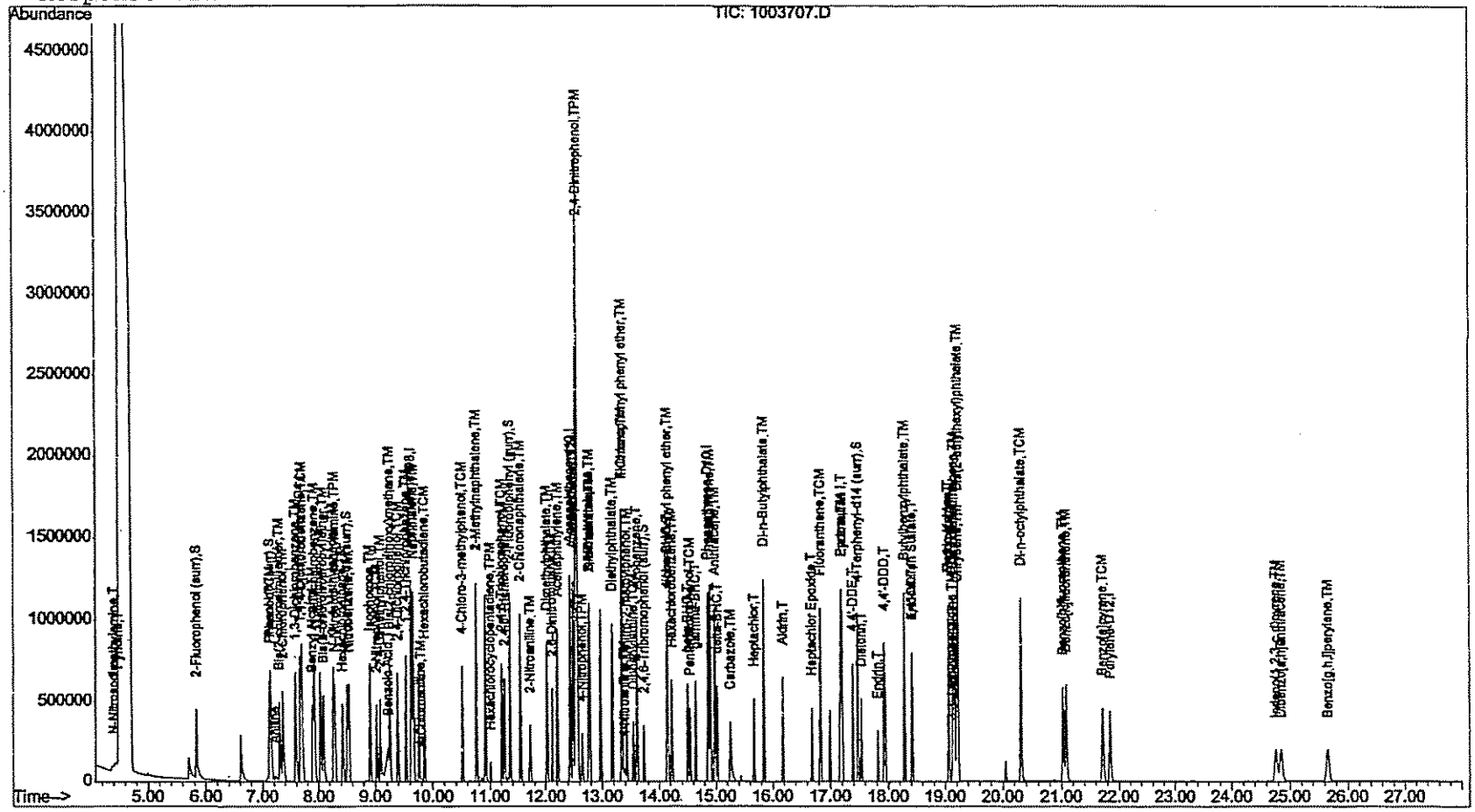
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	delta-BHC	15.03	183	62851	4.08 ug/mL	99
72)	Heptachlor	15.67	100	85549	4.34 ug/mL	95
73)	Aldrin	16.18	66	90853	4.06 ug/mL	98
74)	Heptachlor Epoxide	16.69	353	27429	3.97 ug/mL	100
75)	Endosulfan I	17.19	195	22609	4.50 ug/mL#	100
76)	4,4'-DDE	17.39	246	120722	4.07 ug/mL	98
77)	Dieldrin	17.53	79	118124	4.10 ug/mL#	92
78)	Endrin	17.82	263	18423	4.92 ug/mL#	83
79)	Endosulfan II	0.00	35	0	N.D.	
80)	4,4'-DDD	17.93	235	216865	4.19 ug/mL#	100
81)	Endosulfan Sulfate	18.42	272	28516	4.48 ug/mL#	100
82)	4,4'-DDT	18.41	235	148106	5.00 ug/mL	98
83)	Endrin Aldehyde	0.00	35	0	N.D.	
84)	Endrin Ketone	19.06	317	19859	4.52 ug/mL#	64
85)	Methoxychlor	19.06	227	287358	5.06 ug/mL	97
87)	Pyrene	17.20	202	642057	3.62 ug/mL	99
88)	Butylbenzylphthalate	18.29	149	369024	3.67 ug/mL	99
89)	Benzo[a]anthracene	19.15	228	507511	4.02 ug/mL	97
90)	3,3'-Dichlorobenzidine	19.12	252	30732	3.70 ug/mL#	89
91)	Chrysene	19.20	228	488074	4.14 ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.22	149	528354	3.82 ug/mL	99
95)	Di-n-octylphthalate	20.32	149	904141	3.01 ug/mL	100
96)	Benzo[b]fluoranthene	21.03	252	462078	3.64 ug/mL	98
97)	Benzo[k]fluoranthene	21.09	252	459657	3.61 ug/mL	99
98)	Benzo[a]pyrene	21.72	252	397765	3.94 ug/mL	98
99)	Indeno(1,2,3-c,d)pyrene	24.76	276	273224	5.28 ug/mL	93
100)	Dibenzo[a,h]anthracene	24.85	278	266187	5.28 ug/mL	94
101)	Benzo[g,h,i]perylene	25.65	276	276735	5.27 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003707.D Vial: 7
Acq On : 3 Oct 2005 11:06 am Operator: MRC
Sample : SVCAL04 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 14:03 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



1003707.D 8270.M Mon Oct 03 14:38:29 2005 ENV Page 4

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003708.D Vial: 8
Acq On : 3 Oct 2005 10:29 am Operator: MRC
Sample : SVCAL02 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:57:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	200069	4.00 ug/mL	0.00
19) Naphthalene-D8	9.63	136	806664	4.00 ug/mL	0.00
34) Acenaphthene-d10	12.45	164	384122	4.00 ug/mL	0.00
56) Phenanthrene-D10	14.86	188	610937	4.00 ug/mL	0.00
86) Chrysene-D12	19.16	240	399155	4.00 ug/mL	0.00
94) Perylene-D12	21.85	264	294212	4.00 ug/mL	0.00
System Monitoring Compounds					
17) 2-Fluorophenol (surr)	5.83	112	122003	2.12 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 21.20%	
18) Phenol-d6 (surr)	7.12	99	169615	2.14 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 21.40%	
33) Nitrobenzene-d5 (surr)	8.51	128	64690	2.16 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 21.60%	
54) 2-Fluorobiphenyl (surr)	11.36	172	258895	2.24 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 22.40%	
55) 2,4,6-Tribromophenol (surr	13.72	330	23039	2.07 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 20.70%	
93) 4-Terphenyl-d14 (surr)	17.47	244	223219	1.95 ug/mL	0.00
Spiked Amount 10.000			Recovery	= 19.50%	

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D. d	
3) N-Nitrosodimethylamine	0.00	74	0	N.D. d	
4) Phenol	7.14	94	179834	2.11 ug/mL	95
5) Aniline	7.23	93	37033	3.19 ug/mL#	86
6) Bis(2-chloroethyl)ether	7.30	93	147879m	2.12 ug/mL	
7) 2-Chlorophenol	7.36	128	139579	2.13 ug/mL	96
8) Benzyl Alcohol	7.89	108	86752	2.12 ug/mL	99
9) 1,3-Dichlorobenzene	7.59	146	145782	2.15 ug/mL	99
10) 1,4-Dichlorobenzene	7.70	146	147740	2.13 ug/mL	98
11) 1,2-Dichlorobenzene	7.92	146	136514	2.22 ug/mL	99
12) 2-Methylphenol	8.03	107	103543	2.14 ug/mL	98
13) 3-, 4-Methylphenol	8.27	107	148517	2.14 ug/mL	99
14) Bis(2-chloroisopropyl)ethe	8.09	45	241956	2.06 ug/mL	97
15) N-Nitrosodi-n-propylamine	8.29	70	83126	2.20 ug/mL	99
16) Hexachloroethane	8.43	117	51974	2.09 ug/mL	96
20) Nitrobenzene	8.54	77	140378	2.13 ug/mL	99
21) Isophorone	8.91	82	231101	2.12 ug/mL	98
22) 2-Nitrophenol	9.03	139	80301	2.22 ug/mL	98
23) 2,4-Dimethylphenol	9.09	122	73811	2.15 ug/mL	96
24) Benzoic Acid	9.20	122	69583	2.15 ug/mL#	100

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

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003708.D Vial: 8
Acq On : 3 Oct 2005 10:29 am Operator: MRC
Sample : SVCAL02 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:57:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.25	93	160503	2.18	ug/mL	99
26)	2,4-Dichlorophenol	9.39	162	101147	2.17	ug/mL	98
27)	1,2,4-Trichlorobenzene	9.53	180	114043	2.21	ug/mL	98
28)	Naphthalene	9.66	128	374925	2.23	ug/mL	99
29)	4-Chloroaniline	9.78	127	21799	1.69	ug/mL#	100
30)	Hexachlorobutadiene	9.85	225	54629	2.14	ug/mL	97
31)	4-Chloro-3-methylphenol	10.51	107	105440	2.12	ug/mL	96
32)	2-Methylnaphthalene	10.76	142	277612	2.24	ug/mL	98
35)	Hexachlorocyclopentadiene	11.01	237	14545	2.67	ug/mL	96
36)	2,4,6-Trichlorophenol	11.21	196	72558	2.23	ug/mL	94
37)	2,4,5-Trichlorophenol	11.27	196	75428	2.24	ug/mL	100
38)	2-Chloronaphthalene	11.55	162	222846	2.22	ug/mL	97
39)	2-Nitroaniline	11.72	65	62545	2.04	ug/mL	99
40)	3-Nitroaniline	12.79	138	4377m	1.18	ug/mL	
41)	1-Methylnaphthalene	10.76	142	277612	2.44	ug/mL	100
42)	Dimethylphthalate	12.03	163	249635	2.15	ug/mL	100
43)	Acenaphthylene	12.21	152	319471	2.30	ug/mL	97
44)	2,6-Dinitrotoluene	12.12	165	53815	2.12	ug/mL	99
45)	Acenaphthene	12.50	153	220601	2.21	ug/mL	99
46)	2,4-Dinitrophenol	12.58	184	33839	2.34	ug/mL	97
47)	4-Nitrophenol	12.65	109	23436	2.43	ug/mL#	80
48)	Dibenzofuran	12.79	168	319637	2.27	ug/mL	97
49)	2,4-Dinitrotoluene	12.77	165	70092	2.25	ug/mL#	99
50)	Fluorene	13.34	166	229899	2.21	ug/mL	99
51)	Diethylphthalate	13.18	149	257009	2.20	ug/mL	99
52)	4-Chlorophenyl phenyl ethe	13.35	204	109455	2.18	ug/mL	96
53)	4-Nitroaniline	13.38	138	27375	3.45	ug/mL#	84
57)	4,6-Dinitro-2-methylphenol	13.43	198	39809	2.14	ug/mL	99
58)	Diphenylamine	13.54	169	89947	2.23	ug/mL	96
59)	4-bromophenyl phenyl ether	14.14	248	60382	2.17	ug/mL	95
60)	Hexachlorobenzene	14.22	284	56475	2.09	ug/mL	99
61)	Pentachlorophenol	14.55	266	38228	2.55	ug/mL	97
62)	Phenanthrene	14.90	178	360476	2.24	ug/mL	98
63)	Carbazole	15.25	167	231218	2.84	ug/mL	99
64)	Anthracene	14.98	178	332589	2.21	ug/mL	99
65)	Azobenzene	13.61	77	274793	2.10	ug/mL	100
66)	Di-n-Butylphthalate	15.85	149	456786	2.23	ug/mL	100
67)	Fluoranthene	16.83	202	334759	2.25	ug/mL	98
68)	alpha-BHC	14.16	183	41982	2.25	ug/mL	89
69)	beta-BHC	14.50	181	35461	2.17	ug/mL	100
70)	gamma-BHC	14.64	183	35496	2.15	ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003708.D Vial: 8
Acq On : 3 Oct 2005 10:29 am Operator: MRC
Sample : SVCAL02 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:57:32 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 10:22:41 2005
Response via : Initial Calibration
DataAcq Meth : 8270

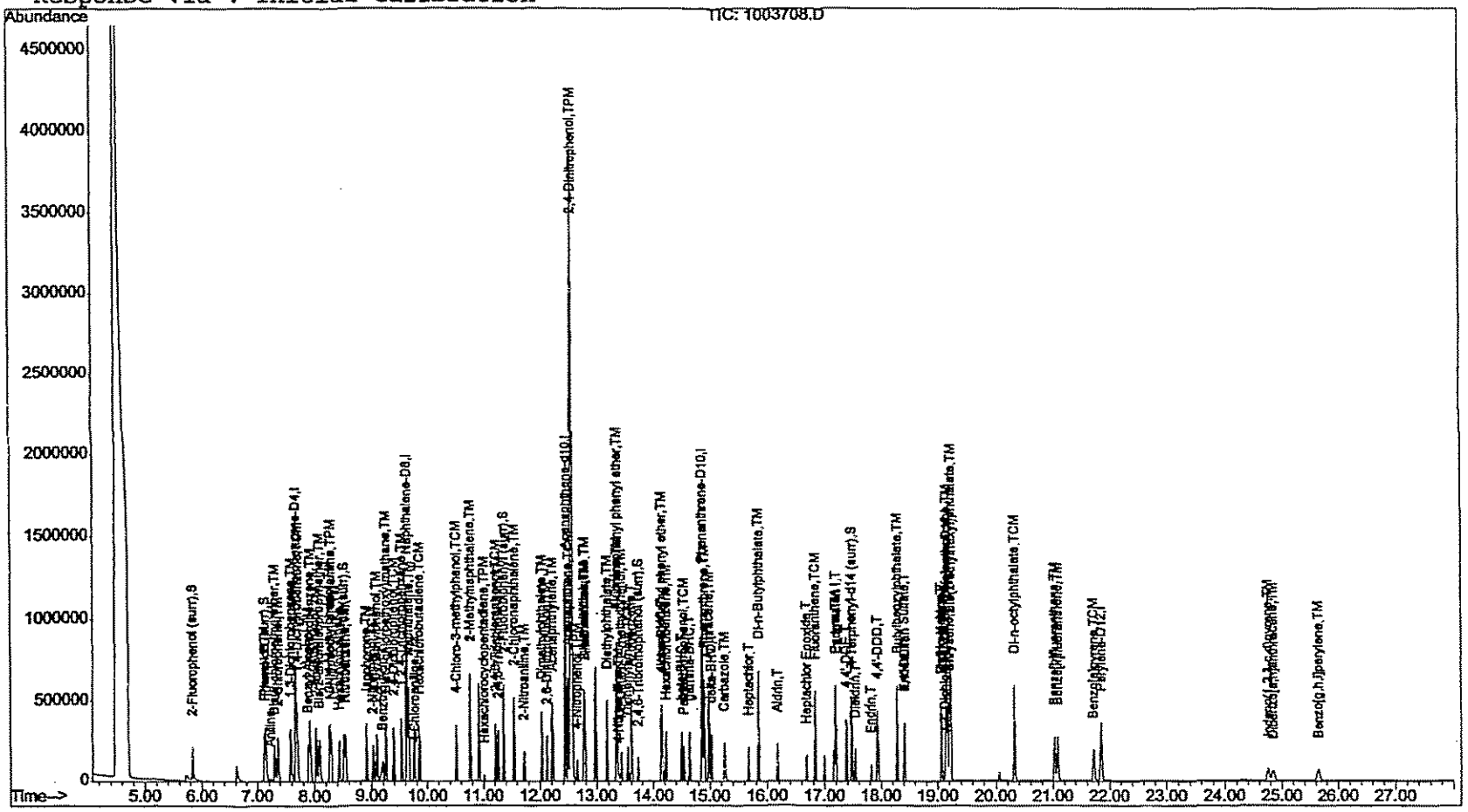
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	delta-BHC	15.02	183	32765	2.19 ug/mL	97
72)	Heptachlor	15.67	100	43427	2.26 ug/mL	95
73)	Aldrin	16.18	66	46633	2.14 ug/mL	93
74)	Heptachlor Epoxide	16.69	353	13258	1.97 ug/mL	96
75)	Endosulfan I	17.19	195	10259	2.10 ug/mL#	100
76)	4,4'-DDE	17.39	246	64341	2.23 ug/mL	99
77)	Dieldrin	17.53	79	61626	2.20 ug/mL	93
78)	Endrin	17.82	263	9232	2.53 ug/mL	97
79)	Endosulfan II	0.00	35	0	N.D.	
80)	4,4'-DDD	17.93	235	114074	2.26 ug/mL#	100
81)	Endosulfan Sulfate	18.42	272	14777	2.38 ug/mL#	100
82)	4,4'-DDT	18.41	235	72441	2.51 ug/mL	99
83)	Endrin Aldehyde	0.00	35	0	N.D.	
84)	Endrin Ketone	19.06	317	9482	2.22 ug/mL#	79
85)	Methoxychlor	19.07	227	145671	2.63 ug/mL	98
87)	Pyrene	17.20	202	341783	2.02 ug/mL	98
88)	Butylbenzylphthalate	18.29	149	194072	2.02 ug/mL	99
89)	Benzo[a]anthracene	19.14	228	259356	2.15 ug/mL	97
90)	3,3'-Dichlorobenzidine	19.12	252	13859	1.74 ug/mL	90
91)	Chrysene	19.20	228	250771	2.22 ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.22	149	285122	2.15 ug/mL	98
95)	Di-n-octylphthalate	20.32	149	458857	1.76 ug/mL	100
96)	Benzo[b]fluoranthene	21.02	252	215459	1.96 ug/mL	99
97)	Benzo[k]fluoranthene	21.08	252	215223	1.96 ug/mL	98
98)	Benzo[a]pyrene	21.72	252	175704	2.01 ug/mL	99
99)	Indeno(1,2,3-c,d)pyrene	24.75	276	105141	2.35 ug/mL	98
100)	Dibenzo[a,h]anthracene	24.84	278	99942	2.29 ug/mL#	90
101)	Benzo[g,h,i]perylene	25.64	276	105181	2.32 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003708.D Vial: 8
Acq On : 3 Oct 2005 10:29 am Operator: MRC
Sample : SVCAL02 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 14:03 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003709.D Vial: 9
Acq On : 3 Oct 2005 9:51 am Operator: MRC
Sample : SVCAL01 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:20:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:50:07 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.68	152	232545	4.00 ug/mL	-0.02
19) Naphthalene-D8	9.63	136	939142	4.00 ug/mL	-0.02
34) Acenaphthene-d10	12.45	164	445367	4.00 ug/mL	-0.02
56) Phenanthrene-D10	14.86	188	721300	4.00 ug/mL	-0.03
86) Chrysene-D12	19.16	240	478822	4.00 ug/mL	-0.05
94) Perylene-D12	21.85	264	371404	4.00 ug/mL	-0.04
System Monitoring Compounds					
17) 2-Fluorophenol (surr)	5.84	112	66560	1.01 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 10.10%	
18) Phenol-d6 (surr)	7.12	99	96026	1.05 ug/mL	-0.07
Spiked Amount 10.000			Recovery	= 10.50%	
33) Nitrobenzene-d5 (surr)	8.51	128	36411	1.05 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 10.50%	
54) 2-Fluorobiphenyl (surr)	11.36	172	146195	1.09 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 10.90%	
55) 2,4,6-Tribromophenol (surr	13.72	330	13500	1.05 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 10.50%	
93) 4-Terphenyl-d14 (surr)	17.47	244	130961	0.95 ug/mL	-0.05
Spiked Amount 10.000			Recovery	= 9.50%	

Target Compounds					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-Nitrosodimethylamine	0.00	74	0	N.D. d	
4) Phenol	7.14	94	101249	1.03 ug/mL	96
5) Aniline	7.23	93	26189	2.28 ug/mL#	1
6) Bis(2-chloroethyl)ether	7.30	93	92792	1.14 ug/mL	97
7) 2-Chlorophenol	7.36	128	79873	1.05 ug/mL	93
8) Benzyl Alcohol	7.89	108	46459	0.98 ug/mL	94
9) 1,3-Dichlorobenzene	7.59	146	82337	1.04 ug/mL	99
10) 1,4-Dichlorobenzene	7.70	146	85367	1.06 ug/mL	99
11) 1,2-Dichlorobenzene	7.92	146	77311	1.08 ug/mL	98
12) 2-Methylphenol	8.04	107	58830	1.05 ug/mL	97
13) 3-, 4-Methylphenol	8.27	107	84542	1.06 ug/mL	98
14) Bis(2-chloroisopropyl)ethe	8.09	45	135903	0.98 ug/mL	98
15) N-Nitrosodi-n-propylamine	8.29	70	46127	1.04 ug/mL	97
16) Hexachloroethane	8.43	117	29279	1.01 ug/mL	88
20) Nitrobenzene	8.54	77	79452	1.03 ug/mL	99
21) Isophorone	8.91	82	131168	1.03 ug/mL	98
22) 2-Nitrophenol	9.03	139	43874	1.05 ug/mL	94
23) 2,4-Dimethylphenol	9.09	122	43921	1.10 ug/mL	96
24) Benzoic Acid	9.18	122	38617m	1.03 ug/mL	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003709.D Vial: 9
Acq On : 3 Oct 2005 9:51 am Operator: MRC
Sample : SVCAL01 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:20:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:50:07 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	Bis(2-chloroethoxy)methane	9.25	93	90189	1.05	ug/mL	99
26)	2,4-Dichlorophenol	9.39	162	58798	1.09	ug/mL	96
27)	1,2,4-Trichlorobenzene	9.53	180	66401	1.11	ug/mL	98
28)	Naphthalene	9.66	128	217424	1.11	ug/mL	98
29)	4-Chloroaniline	9.78	127	11133	0.72	ug/mL#	47
30)	Hexachlorobutadiene	9.85	225	31644	1.07	ug/mL	98
31)	4-Chloro-3-methylphenol	10.51	107	62168	1.08	ug/mL	95
32)	2-Methylnaphthalene	10.76	142	159658	1.11	ug/mL	98
35)	Hexachlorocyclopentadiene	11.01	237	7877	1.30	ug/mL#	93
36)	2,4,6-Trichlorophenol	11.21	196	40997	1.09	ug/mL	96
37)	2,4,5-Trichlorophenol	11.27	196	43153	1.12	ug/mL	99
38)	2-Chloronaphthalene	11.55	162	127798	1.10	ug/mL	98
39)	2-Nitroaniline	11.72	65	37345	1.06	ug/mL	90
40)	3-Nitroaniline	12.79	138	738m	0.17	ug/mL	
41)	1-Methylnaphthalene	10.76	142	159658	1.23	ug/mL	98
42)	Dimethylphthalate	12.03	163	147331	1.10	ug/mL	99
43)	Acenaphthylene	12.22	152	184795	1.15	ug/mL	98
44)	2,6-Dinitrotoluene	12.12	165	29782	1.01	ug/mL	93
45)	Acenaphthene	12.50	153	128082	1.11	ug/mL	99
46)	2,4-Dinitrophenol	12.58	184	18655	1.17	ug/mL#	55
47)	4-Nitrophenol	12.65	109	13783	1.28	ug/mL	87
48)	Dibenzofuran	12.79	168	187473	1.15	ug/mL	92
49)	2,4-Dinitrotoluene	12.77	165	39917	1.11	ug/mL#	83
50)	Fluorene	13.34	166	138496	1.15	ug/mL	99
51)	Diethylphthalate	13.18	149	149040	1.10	ug/mL	99
52)	4-Chlorophenyl phenyl ethe	13.35	204	66018	1.14	ug/mL#	88
53)	4-Nitroaniline	13.38	138	14876	1.77	ug/mL#	77
57)	4,6-Dinitro-2-methylphenol	13.42	198	21518	1.04	ug/mL#	87
58)	Diphenylamine	13.54	169	57996	1.22	ug/mL	94
59)	4-bromophenyl phenyl ether	14.14	248	34335	1.05	ug/mL#	85
60)	Hexachlorobenzene	14.22	284	33049	1.04	ug/mL#	86
61)	Pentachlorophenol	14.55	266	20973	1.22	ug/mL	98
62)	Phenanthrene	14.90	178	214006	1.13	ug/mL	98
63)	Carbazole	15.25	167	140747	1.49	ug/mL	98
64)	Anthracene	14.98	178	198305	1.12	ug/mL	99
65)	Azobenzene	13.61	77	159769	1.02	ug/mL	95
66)	Di-n-Butylphthalate	15.85	149	266421	1.10	ug/mL#	98
67)	Fluoranthene	16.83	202	197972	1.14	ug/mL#	93
68)	alpha-BHC	14.16	183	23963	1.08	ug/mL	94
69)	beta-BHC	14.50	181	19848	1.04	ug/mL	96
70)	gamma-BHC	14.64	183	20671	1.07	ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003709.D Vial: 9
Acq On : 3 Oct 2005 9:51 am Operator: MRC
Sample : SVCAL01 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 03 10:20:03 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 09:50:07 2005
Response via : Initial Calibration
DataAcq Meth : 8270

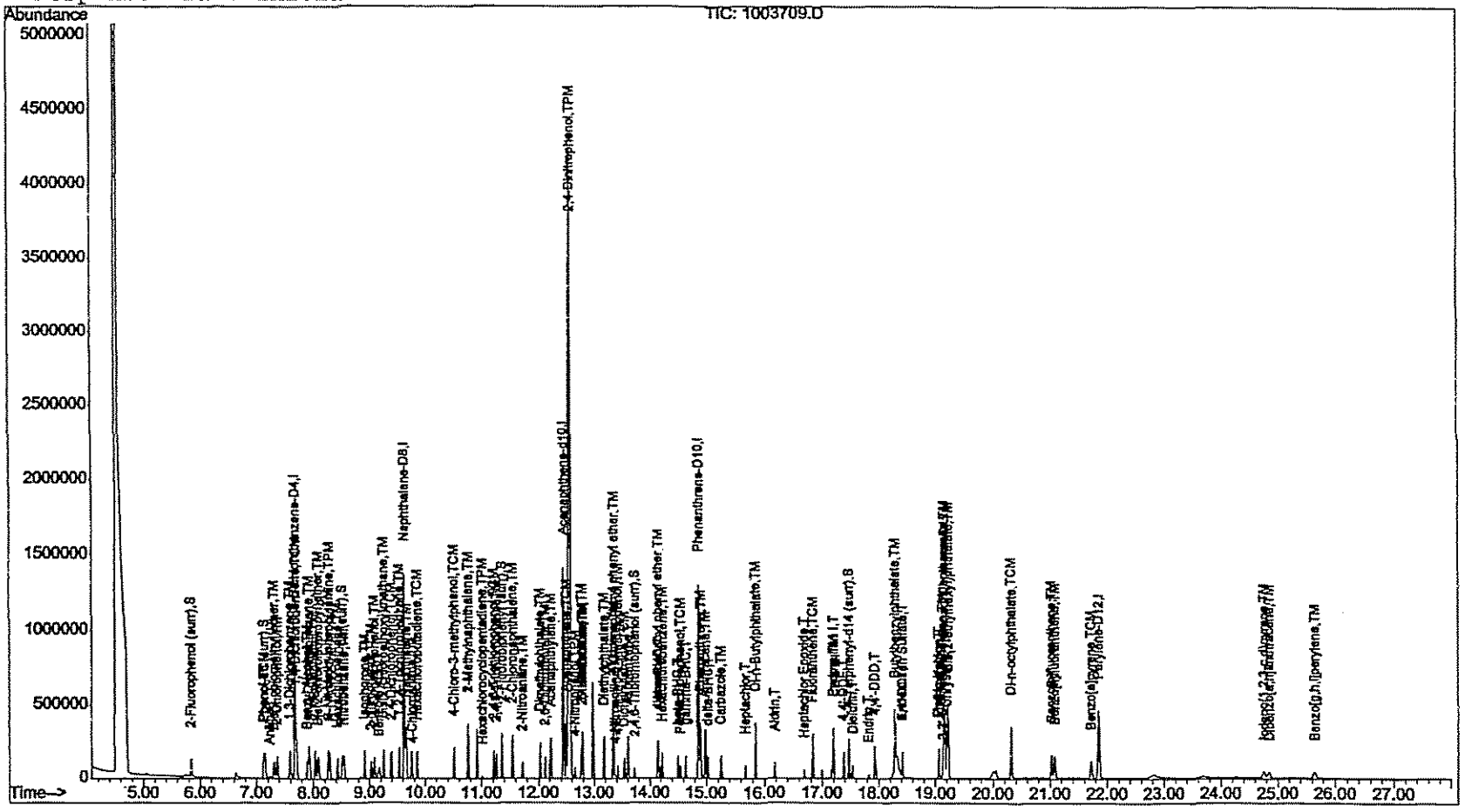
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	delta-BHC	15.03	183	18262	1.03 ug/mL	97
72)	Heptachlor	15.67	100	25025	1.13 ug/mL#	74
73)	Aldrin	16.18	66	27347	1.05 ug/mL#	74
74)	Heptachlor Epoxide	16.68	353	6753	0.84 ug/mL	92
75)	Endosulfan I	17.19	195	5264	0.92 ug/mL#	51
76)	4,4'-DDE	17.39	246	37211	1.10 ug/mL	98
77)	Dieldrin	17.53	79	35189	1.05 ug/mL#	83
78)	Endrin	17.82	263	4646	1.18 ug/mL	100
79)	Endosulfan II	0.00	35	0	N.D.	
80)	4,4'-DDD	17.93	235	67549	1.15 ug/mL#	95
81)	Endosulfan Sulfate	18.42	272	7774	1.11 ug/mL#	40
82)	4,4'-DDT	18.41	235	42923	1.39 ug/mL	95
83)	Endrin Aldehyde	0.00	35	0	N.D.	
84)	Endrin Ketone	19.06	317	4355	0.89 ug/mL#	66
85)	Methoxychlor	19.07	227	86635	1.48 ug/mL	97
87)	Pyrene	17.20	202	203705	1.00 ug/mL#	91
88)	Butylbenzylphthalate	18.29	149	114436	0.99 ug/mL	89
89)	Benzo[a]anthracene	19.14	228	154974	1.08 ug/mL	99
90)	3,3'-Dichlorobenzidine	19.12	252	7303	0.82 ug/mL#	85
91)	Chrysene	19.20	228	148601	1.11 ug/mL	99
92)	Bis(2-ethylhexyl)phthalate	19.22	149	171328	1.08 ug/mL#	94
95)	Di-n-octylphthalate	20.32	149	277065	0.83 ug/mL	100
96)	Benzo[b]fluoranthene	21.02	252	133555m	0.97 ug/mL	
97)	Benzo[k]fluoranthene	21.08	252	131719	0.94 ug/mL	98
98)	Benzo[a]pyrene	21.72	252	112233	1.03 ug/mL	98
99)	Indeno(1,2,3-c,d)pyrene	24.75	276	66456m	1.22 ug/mL	
100)	Dibenzo[a,h]anthracene	24.84	278	61451	1.15 ug/mL#	89
101)	Benzo[g,h,i]perylene	25.64	276	64976	1.18 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100305\1003709.D Vial: 9
Acq On : 3 Oct 2005 9:51 am Operator: MRC
Sample : SVCAL01 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 14:02 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100305\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Mon Oct 03 14:11:55 2005
Response via : Initial Calibration



625-BN CVS Raw Data

PARADIGM ANALYTICAL LABORATORIES, INC.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	67	-0.03
2	T	Pyridine	0.651	1.013	-55.6#	81	-0.11
3	T	N-Nitrosodimethylamine	0.443	0.501	-13.1	59	-0.10
4	TCM	Phenol	1.674	1.591	5.0	67	-0.01
5	TM	Bis(2-chloroethyl)ether	1.370	1.411	-3.0	78	-0.02
6	TM	2-Chlorophenol	1.318	1.304	1.1	69	-0.03
7	TM	Benzyl Alcohol	0.835	0.858	-2.8	70	-0.02
8	TM	1,3-Dichlorobenzene	1.346	1.320	1.9	69	-0.03
9	TCM	1,4-Dichlorobenzene	1.371	1.357	1.0	69	-0.03
10	TM	1,2-Dichlorobenzene	1.228	1.211	1.4	70	-0.03
11	TM	2-Methylphenol	0.972	0.945	2.8	66	-0.02
12	TM	3-, 4-Methylphenol	1.409	1.362	3.3	66	0.00
13	TM	Bis(2-chloroisopropyl)ether	2.226	2.172	2.4	69	-0.02
14	TPM	N-Nitrosodi-n-propylamine	0.771	0.694	10.0	62	0.00
15	TM	Hexachloroethane	0.485	0.479	1.2	70	-0.03
16	S	2-Fluorophenol (surr)	1.150	1.201	-4.4	71	-0.03
17	S	Phenol-d6 (surr)	1.590	1.566	1.5	69	-0.01
18	I	Naphthalene-D8	1.000	1.000	0.0	67	-0.03
19	TM	Nitrobenzene	0.319	0.298	6.6	68	-0.02
20	TM	Isophorone	0.526	0.498	5.3	68	-0.01
21	TCM	2-Nitrophenol	0.183	0.173	5.5	66	-0.03
22	TM	2,4-Dimethylphenol	0.169	0.171	-1.2	66	-0.02
23	T	Benzoic Acid	0.192	0.192	0.0	61	0.07
24	TM	Bis(2-chloroethoxy)methane	0.356	0.330	7.3	68	-0.02
25	TCM	2,4-Dichlorophenol	0.236	0.227	3.8	67	-0.02
26	TM	1,2,4-Trichlorobenzene	0.255	0.238	6.7	68	-0.03
27	TM	Naphthalene	0.832	0.775	6.9	68	-0.03
28	TM	4-Chloroaniline	0.073	0.187	-156.2#	115	-0.08
29	TCM	Hexachlorobutadiene	0.124	0.116	6.5	68	-0.03
30	TCM	4-Chloro-3-methylphenol	0.249	0.238	4.4	67	-0.02
31	TM	2-Methylnaphthalene	0.616	0.577	6.3	68	-0.03
32	S	Nitrobenzene-d5 (surr)	0.150	0.142	5.3	66	-0.02
33	I	Acenaphthene-d10	1.000	1.000	0.0	67	-0.03
34	TPM	Hexachlorocyclopentadiene	0.088	0.100	-13.6	68	-0.03
35	TCM	2,4,6-Trichlorophenol	0.349	0.330	5.4	66	-0.03
36	TM	2,4,5-Trichlorophenol	0.364	0.350	3.8	70	-0.02
37	TM	2-Chloronaphthalene	1.035	0.958	7.4	68	-0.02
38	TM	2-Nitroaniline	0.324	0.353	-9.0	68	-0.02
39	TM	3-Nitroaniline	0.023	0.024#	-4.3	63	-0.02

(#) = Out of Range

N.C. Certification #481 S.C. Certification #99029

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	1-Methylnaphthalene	1.288	1.062	17.5	60	-0.03
41	TM	Dimethylphthalate	1.195	1.094	8.5	66	-0.02
42	TM	Acenaphthylene	1.485	1.338	9.9	78	-0.03
43	TM	2,6-Dinitrotoluene	0.270	0.255	5.6	65	-0.02
44	TCM	Acenaphthene	1.032	0.958	7.2	67	-0.02
45	TPM	2,4-Dinitrophenol	0.177	0.164	7.3	60	-0.02
46	TPM	4-Nitrophenol	0.140	0.160	-14.3	70	0.00
47	TM	Dibenzofuran	1.468	1.340	8.7	68	-0.03
48	TM	2,4-Dinitrotoluene	0.329	0.291	11.6	66	-0.01
49	TM	Fluorene	1.105	0.989	10.5	71	-0.02
50	TM	Diethylphthalate	1.196	1.097	8.3	68	-0.01
51	TM	4-Chlorophenyl phenyl ether	0.524	0.459	12.4	70	-0.02
52	TM	4-Nitroaniline	0.140	0.119	15.0	0#	-0.02
53	S	2-Fluorobiphenyl (surr)	1.192	1.123	5.8	68	-0.03
54	S	2,4,6-Tribromophenol (surr)	0.125	0.124	0.8	64	-0.02
55	I	Phenanthrene-D10	1.000	1.000	0.0	66	-0.03
56	TM	4,6-Dinitro-2-methylphenol	0.134	0.126	6.0	60	-0.01
57	TCM	Diphenylamine	0.247	0.227	8.1	0#	-0.02
58	TM	4-bromophenyl phenyl ether	0.177	0.167	5.6	67	-0.02
59	TM	Hexachlorobenzene	0.170	0.161	5.3	67	-0.02
60	TCM	Pentachlorophenol	0.124	0.124	0.0	64	-0.02
61	TM	Phenanthrene	1.048	0.961	8.3	67	-0.02
62	TM	Carbazole	0.663	0.331	50.1#	0#	-0.04
63	TM	Anthracene	0.981	0.923	5.9	67	-0.02
64	T	Azobenzene	0.792	0.725	8.5	69	-0.03
65	TM	Di-n-Butylphthalate	1.287	1.175	8.7	69	-0.02
66	TCM	Fluoranthene	0.998	0.960	3.8	68	-0.02
67	T	alpha-BHC	0.118	0.106	10.2	69	-0.02
68	T	beta-BHC	0.103	0.098	4.9	68	-0.02
69	T	gamma-BHC	0.104	0.095	8.7	68	-0.03
70	T	delta-BHC	0.095	0.092	3.2	71	-0.02
71	T	Heptachlor	0.126	0.117	7.1	69	-0.03
72	T	Aldrin	0.131	0.118	9.9	71	-0.03
73	T	Heptachlor Epoxide	0.043	0.043#	0.0	63	-0.03
74	T	Endosulfan I	0.031	0.030#	3.2	71	-0.02
75	T	4,4'-DDE	0.187	0.179	4.3	68	-0.02
76	T	Dieldrin	0.173	0.157	9.2	70	-0.03
77	T	Endrin	0.029	0.030#	-3.4	66	-0.03
78	T	Endosulfan II	0.000	0.000#	0.0	0#	-18.31#
79	T	4,4'-DDD	0.335	0.335	0.0	71	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	Endosulfan Sulfate	0.041	0.042#	-2.4	77	-0.02
81	T	4,4'-DDT	0.226	0.229	-1.3	70	-0.02
82	T	Endrin Aldehyde	0.000	0.000#	0.0	0#	-18.29#
83	T	Endrin Ketone	0.030	0.032#	-6.7	68	-0.03
84	T	Methoxychlor	0.436	0.444	-1.8	74	-0.02
85	I	Chrysene-D12	1.000	1.000	0.0	73	-0.02
86	TM	Pyrene	1.557	1.387	10.9	70	-0.02
87	TM	Butylbenzylphthalate	0.866	0.768	11.3	71	-0.02
88	TM	Benzo[a]anthracene	1.225	1.180	3.7	73	-0.02
89	TM	3,3'-Dichlorobenzidine	0.097	0.262	-170.1#	140	-0.02
90	TM	Chrysene	1.117	1.099	1.6	80	-0.02
91	TM	Bis(2-ethylhexyl)phthalate	1.229	1.006	18.1	78	-0.02
92	S	4-Terphenyl-d14 (surr)	1.041	0.951	8.6	69	-0.02
93	I	Perylene-D12	1.000	1.000	0.0	74	-0.05
94	TCM	Di-n-octylphthalate	2.723	2.516	7.6	71	-0.02
95	TM	Benzo[b]fluoranthene	1.452	1.442	0.7	70	-0.02
96	TM	Benzo[k]fluoranthene	1.366	1.406	-2.9	81	-0.02
97	TCM	Benzo[a]pyrene	1.187	1.220	-2.8	76	-0.03
98	TM	Indeno(1,2,3-c,d)pyrene	0.783	0.890	-13.7	78	-0.05
99	TM	Dibenzo[a,h]anthracene	0.761	0.903	-18.7	81	-0.05
100	TM	Benzo[g,h,i]perylene	0.762	0.881	-15.6	82	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1007702.D 8270.M Fri Oct 07 13:41:06 2005 ENV Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 11:39:13 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pc 10.07.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.61	152	131054	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.56	136	549248	4.00	ug/mL	-0.03
33) Acenaphthene-d10	12.37	164	263828	4.00	ug/mL	-0.03
55) Phenanthrene-D10	14.79	188	431141	4.00	ug/mL	-0.03
85) Chrysene-D12	19.10	240	298787	4.00	ug/mL	-0.02
93) Perylene-D12	21.73	264	221008	4.00	ug/mL	-0.05
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.76	112	944111	25.06	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	250.60%	
17) Phenol-d6 (surr)	7.07	99	1231180	23.63	ug/mL	-0.01
Spiked Amount 10.000			Recovery	=	236.30%	
32) Nitrobenzene-d5 (surr)	8.46	128	468854	22.70	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	227.00%	
53) 2-Fluorobiphenyl (surr)	11.30	172	1777130	22.60	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	226.00%	
54) 2,4,6-Tribromophenol (surr	13.66	330	196738	23.88	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	238.80%	
92) 4-Terphenyl-d14 (surr)	17.41	244	1704295	21.93	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	219.30%	

Target Compounds						Qvalue
2) Pyridine	4.23	79	796668	28.21	ug/mL	91
3) N-Nitrosodimethylamine	4.22	74	394239	21.56	ug/mL	98
4) Phenol	7.09	94	1251220m	22.82	ug/mL	
5) Bis(2-chloroethyl)ether	7.24	93	1109573m	24.71	ug/mL	
6) 2-Chlorophenol	7.30	128	1025405	23.74	ug/mL	99
7) Benzyl Alcohol	7.83	108	674327	24.66	ug/mL	97
8) 1,3-Dichlorobenzene	7.52	146	1038060	23.54	ug/mL	100
9) 1,4-Dichlorobenzene	7.63	146	1066830	23.74	ug/mL	100
10) 1,2-Dichlorobenzene	7.86	146	952100	23.67	ug/mL	98
11) 2-Methylphenol	7.98	107	743245	23.34	ug/mL	97
12) 3-, 4-Methylphenol	8.23	107	1071049	23.21	ug/mL	100
13) Bis(2-chloroisopropyl)ethe	8.03	45	1708234	23.43	ug/mL	100
14) N-Nitrosodi-n-propylamine	8.25	70	545549	21.59	ug/mL	98
15) Hexachloroethane	8.36	117	376551	23.70	ug/mL	96
19) Nitrobenzene	8.49	77	980543	22.36	ug/mL	98
20) Isophorone	8.86	82	1640636	22.73	ug/mL	99
21) 2-Nitrophenol	8.97	139	568864	22.66	ug/mL	95
22) 2,4-Dimethylphenol	9.04	122	564153	24.31	ug/mL	99
23) Benzoic Acid	9.28	122	632913m	24.06	ug/mL	
24) Bis(2-chloroethoxy)methane	9.20	93	1086075	22.20	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 11:39:13 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2,4-Dichlorophenol	9.34	162	746734	23.02 ug/mL	99
26) 1,2,4-Trichlorobenzene	9.47	180	782972	22.35 ug/mL	97
27) Naphthalene	9.60	128	2554441	22.36 ug/mL	100
28) 4-Chloroaniline	9.71	127	617839m	38.32 ug/mL	
29) Hexachlorobutadiene	9.79	225	381026	22.41 ug/mL	99
30) 4-Chloro-3-methylphenol	10.46	107	785405	22.99 ug/mL	99
31) 2-Methylnaphthalene	10.70	142	1901078	22.46 ug/mL	99
34) Hexachlorocyclopentadiene	10.94	237	157792	27.26 ug/mL	100
35) 2,4,6-Trichlorophenol	11.15	196	521718	22.64 ug/mL	99
36) 2,4,5-Trichlorophenol	11.20	196	553405	23.06 ug/mL	98
37) 2-Chloronaphthalene	11.48	162	1516699	22.21 ug/mL	99
38) 2-Nitroaniline	11.67	65	559312	26.15 ug/mL	99
39) 3-Nitroaniline	12.73	138	37930	22.15 ug/mL	89
40) 1-Methylnaphthalene	10.86	142	1681007	19.78 ug/mL	97
41) Dimethylphthalate	11.97	163	1731942	21.97 ug/mL	100
42) Acenaphthylene	12.15	152	2117455	21.61 ug/mL	99
43) 2,6-Dinitrotoluene	12.07	165	404000	22.68 ug/mL	98
44) Acenaphthene	12.44	153	1515986	22.26 ug/mL	98
45) 2,4-Dinitrophenol	12.52	184	259872	22.27 ug/mL	95
46) 4-Nitrophenol	12.62	109	253914	27.52 ug/mL	98
47) Dibenzofuran	12.72	168	2120685	21.91 ug/mL	99
48) 2,4-Dinitrotoluene	12.72	165	460656	21.23 ug/mL	96
49) Fluorene	13.28	166	1566070	21.49 ug/mL	99
50) Diethylphthalate	13.13	149	1735886	22.00 ug/mL	100
51) 4-Chlorophenyl phenyl ethe	13.29	204	726366	21.00 ug/mL	98
52) 4-Nitroaniline	13.34	138	188613m	20.49 ug/mL	
56) 4,6-Dinitro-2-methylphenol	13.38	198	326530	22.55 ug/mL	94
57) Diphenylamine	13.48	169	586085	28.98 ug/mL	98
58) 4-bromophenyl phenyl ether	14.08	248	431866	22.66 ug/mL	97
59) Hexachlorobenzene	14.16	284	417071	22.77 ug/mL	96
60) Pentachlorophenol	14.49	266	320208	24.02 ug/mL	99
61) Phenanthrene	14.84	178	2485677	22.00 ug/mL	100
62) Carbazole	15.18	167	856753	11.98 ug/mL	98
63) Anthracene	14.92	178	2386387	22.58 ug/mL	100
64) Azobenzene	13.54	77	1875656	21.98 ug/mL	99
65) Di-n-Butylphthalate	15.79	149	3040144	21.92 ug/mL	100
66) Fluoranthene	16.77	202	2483187	23.08 ug/mL	99
67) alpha-BHC	14.10	183	274832	21.60 ug/mL	95
68) beta-BHC	14.45	181	252967	22.80 ug/mL	98
69) gamma-BHC	14.58	183	245870	21.99 ug/mL	99
70) delta-BHC	14.96	183	236781	23.21 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D Vial: 2
Acq On : 7 Oct 2005 11:11 am Operator: MRC
Sample : SVCVS24 Inst : MSD7
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 11:39:13 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Heptachlor	15.60	100	301702	22.23 ug/mL	96
72)	Aldrin	16.11	66	304562	21.50 ug/mL	97
73)	Heptachlor Epoxide	16.62	353	110548	24.02 ug/mL	100
74)	Endosulfan I	17.12	195	78625	23.17 ug/mL#	76
75)	4,4'-DDE	17.32	246	462672	22.91 ug/mL	100
76)	Dieldrin	17.47	79	406739	21.79 ug/mL	98
77)	Endrin	17.75	263	77737	24.76 ug/mL	97
78)	Endosulfan II	0.00	35	0	N.D.	
79)	4,4'-DDD	17.87	235	866642	23.99 ug/mL	100
80)	Endosulfan Sulfate	18.36	272	108867	24.64 ug/mL	95
81)	4,4'-DDT	18.35	235	593434	24.35 ug/mL	99
82)	Endrin Aldehyde	0.00	35	0	N.D.	
83)	Endrin Ketone	18.99	317	82540	25.76 ug/mL	99
84)	Methoxychlor	19.00	227	1147613	24.45 ug/mL	100
86)	Pyrene	17.14	202	2486308	21.37 ug/mL	100
87)	Butylbenzylphthalate	18.22	149	1377310	21.29 ug/mL	98
88)	Benzo[a]anthracene	19.08	228	2115252	23.12 ug/mL	99
89)	3,3'-Dichlorobenzidine	19.06	252	470572	42.94 ug/mL	97
90)	Chrysene	19.14	228	1970227	23.60 ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	19.16	149	1803158	19.65 ug/mL	99
94)	Di-n-octylphthalate	20.24	149	3336466	22.18 ug/mL	100
95)	Benzo[b]fluoranthene	20.95	252	1912438	23.84 ug/mL	99
96)	Benzo[k]fluoranthene	21.01	252	1864347	24.70 ug/mL	99
97)	Benzo[a]pyrene	21.63	252	1618366	24.67 ug/mL	99
98)	Indeno(1,2,3-c,d)pyrene	24.61	276	1180599	27.27 ug/mL	98
99)	Dibenzo[a,h]anthracene	24.70	278	1196821	28.45 ug/mL	99
100)	Benzo[g,h,i]perylene	25.50	276	1167958	27.75 ug/mL	98

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

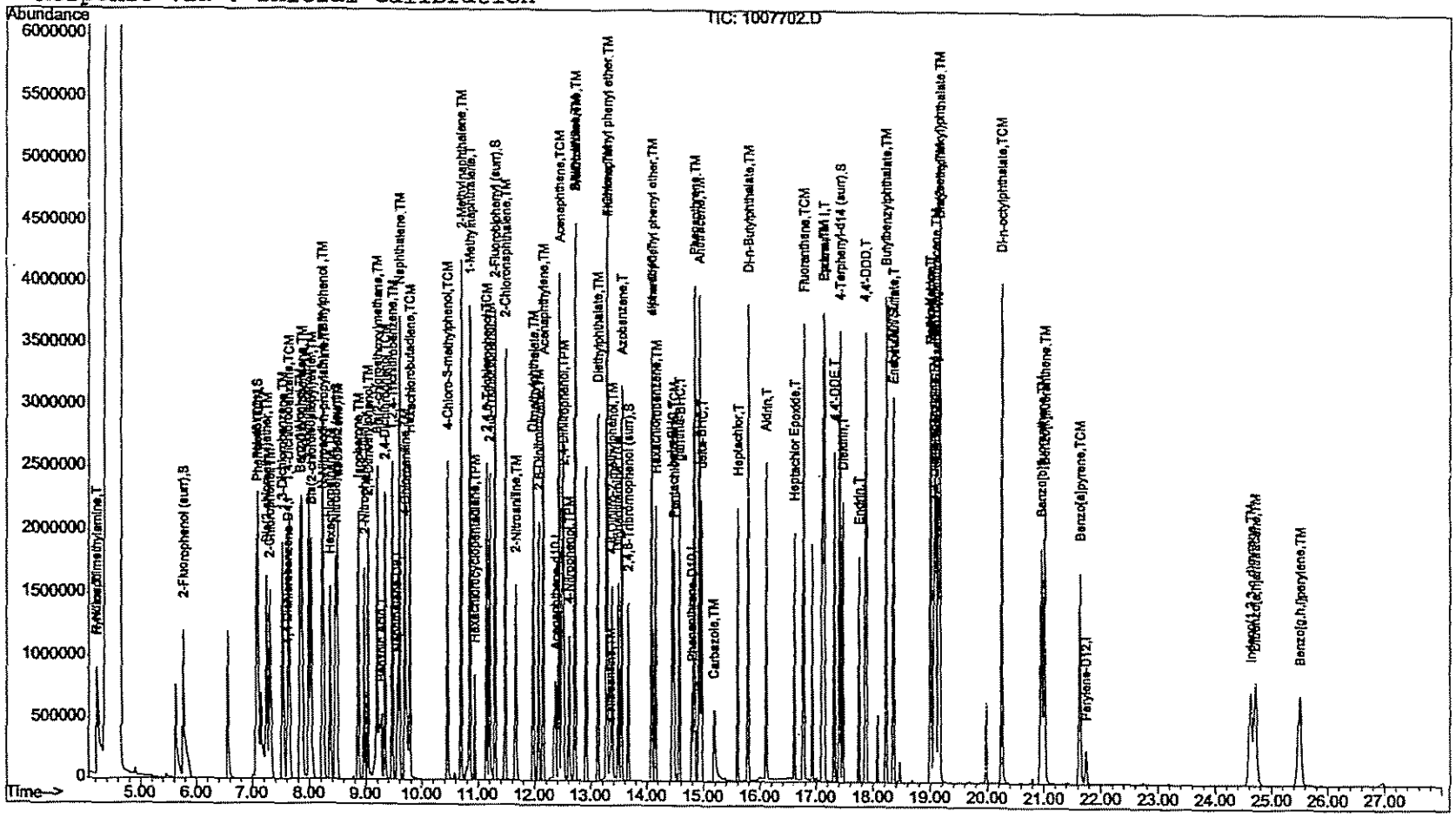
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007702.D
Acq On : 7 Oct 2005 11:11 am
Sample : SVCVS24
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 13:40 2005

Vial: 2
Operator: MRC
Inst : MSD7
Multiplr: 1.00

Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



625-BN QC, Blanks Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007714.D Vial: 14
Acq On : 7 Oct 2005 6:39 pm Operator: MRC
Sample : PB3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 19:08:00 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

rc 10.10.05

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.60	152	101128	4.00 ug/mL	-0.03
18) Naphthalene-D8	9.55	136	403873	4.00 ug/mL	-0.04
33) Acenaphthene-d10	12.37	164	186569	4.00 ug/mL	-0.04
55) Phenanthrene-D10	14.79	188	307219	4.00 ug/mL	-0.04
85) Chrysene-D12	19.08	240	162721	4.00 ug/mL	-0.04
93) Perylene-D12	21.72	264	78691	4.00 ug/mL	-0.06
System Monitoring Compounds					
16) 2-Fluorophenol (surr)	5.76	112	181792	6.25 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 62.50%	
17) Phenol-d6 (surr)	7.06	99	262105	6.52 ug/mL	-0.02
Spiked Amount 10.000			Recovery	= 65.20%	
32) Nitrobenzene-d5 (surr)	8.45	128	97058	6.39 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 63.90%	
53) 2-Fluorobiphenyl (surr)	11.29	172	391082	7.03 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 70.30%	
54) 2,4,6-Tribromophenol (surr	13.65	330	35404	6.08 ug/mL	-0.03
Spiked Amount 10.000			Recovery	= 60.80%	
92) 4-Terphenyl-d14 (surr)	17.40	244	381503	9.01 ug/mL	-0.04
Spiked Amount 10.000			Recovery	= 90.10%	

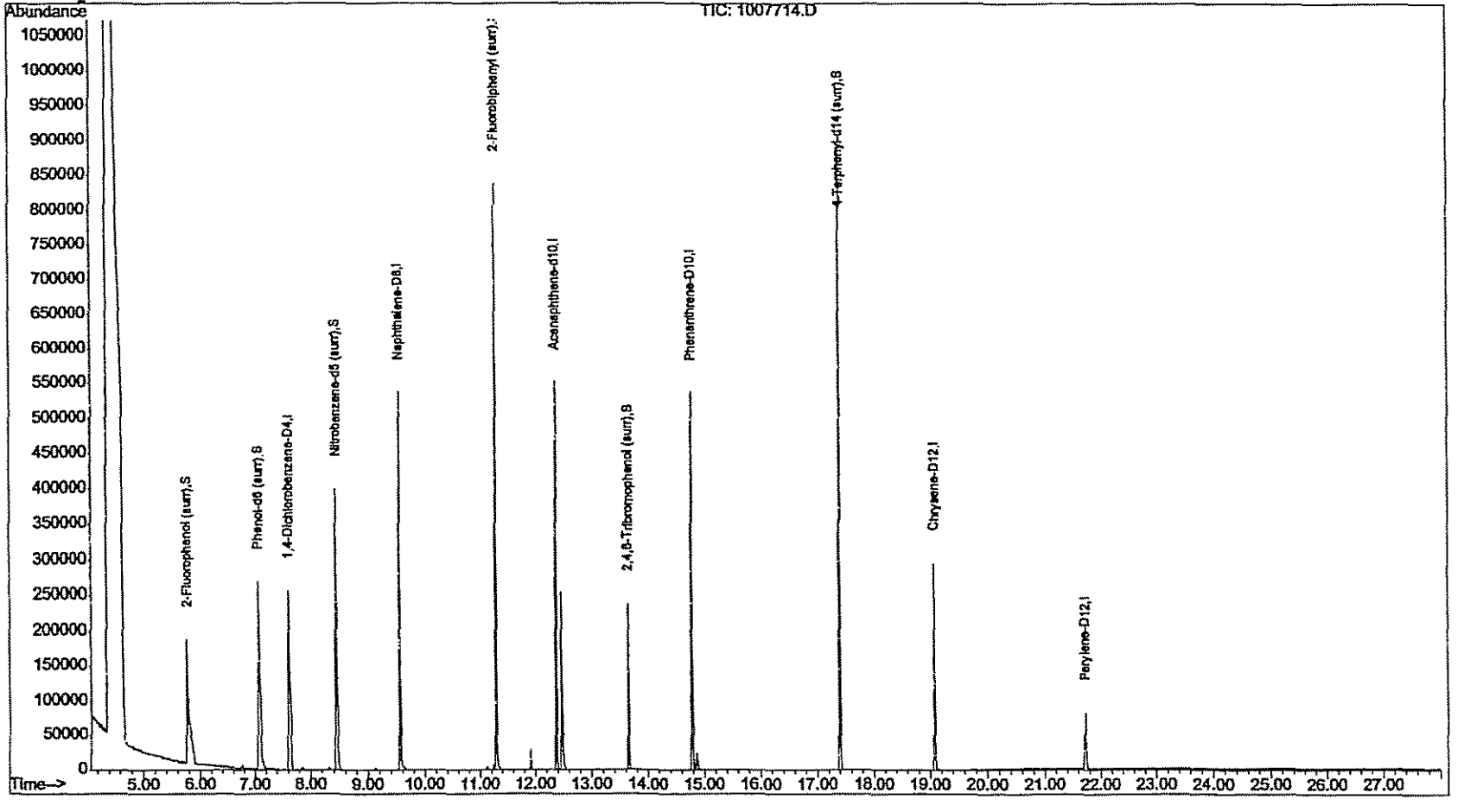
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
1007714.D 8270.M Mon Oct 10 10:50:54 2005 ENV Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007714.D Vial: 14
Acq On : 7 Oct 2005 6:39 pm Operator: MRC
Sample : PB3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 10 9:53 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



1007714.D 8270.M Mon Oct 10 10:50:55 2005 ENV Page 2

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\7100705\1007714.D Vial: 14
Acq On : 7 Oct 2005 6:39 pm Operator: MRC
Sample : PB3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Library : C:\DATABASE\NBS75K.L

****
Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	88.17 ug/mL	11394600	1,4-Dichlorobenzene-D4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	90

****
Peak Number 2 4,6-Bis(hydroxylamino)-5-ni... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.07 ug/mL	374578	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6-Bis(hydroxylamino)-5-nitropy...	187	C4H5N5O4	000000-00-0	27
2	Cycloheptanone, oxime	127	C7H13NO	002158-31-8	23
3	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	23
4	trans-1,3-Cyclohexanedicarbonitrile	134	C8H10N2	010339-99-8	17
5	2-Norcaranone, 3-methyl-	124	C8H12O	029750-22-9	17

Tentatively Identified Compound (LSC) Summary

Operator ID: MRC Date Acquired: 7 Oct 2005 6:39 pm
Data File: C:\MSDCHEM\1\DATA\7100705\1007714.D
Name: PB3780 x1
Misc: 8270 [3520-3780]
Method: C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title: 5 POINT INITIAL CALIBRATION FOR 8270
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Toluene	4.38	88.2	ug/mL	11394600	1	7.60	516938	4.0
4,6-Bis(hydroxyla...	12.47	2.1	ug/mL	374578	3	12.37	724929	4.0

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007715.D Vial: 15
Acq On : 7 Oct 2005 7:17 pm Operator: MRC
Sample : LCS3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 19:45:40 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pre 10.10.05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.60	152	107436	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.56	136	433085	4.00	ug/mL	-0.03
33) Acenaphthene-d10	12.37	164	209315	4.00	ug/mL	-0.03
55) Phenanthrene-D10	14.78	188	338764	4.00	ug/mL	-0.04
85) Chrysene-D12	19.08	240	184836	4.00	ug/mL	-0.04
93) Perylene-D12	21.72	264	101857	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.77	112	245586	7.95	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	79.50%	
17) Phenol-d6 (surr)	7.07	99	350348	8.20	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	82.00%	
32) Nitrobenzene-d5 (surr)	8.45	128	136538	8.38	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	83.80%	
53) 2-Fluorobiphenyl (surr)	11.29	172	510272	8.18	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	81.80%	
54) 2,4,6-Tribromophenol (surr	13.66	330	49796	7.62	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	76.20%	
92) 4-Terphenyl-d14 (surr)	17.40	244	465920	9.69	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	96.90%	

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	4.29	74	58872m	5.66	ug/mL	
4) Phenol	7.09	94	380723m	8.47	ug/mL	
5) Bis(2-chloroethyl)ether	7.23	93	303236m	8.24	ug/mL	
6) 2-Chlorophenol	7.30	128	304972	8.61	ug/mL	99
7) Benzyl Alcohol	7.82	108	178656	7.97	ug/mL	94
8) 1,3-Dichlorobenzene	7.52	146	283744	7.85	ug/mL	99
9) 1,4-Dichlorobenzene	7.63	146	296902	8.06	ug/mL	98
10) 1,2-Dichlorobenzene	7.86	146	273702	8.30	ug/mL	99
11) 2-Methylphenol	7.98	107	235995	9.04	ug/mL	95
12) 3-, 4-Methylphenol	8.22	107	577660	15.27	ug/mL#	68
13) Bis(2-chloroisopropyl)ethe	8.03	45	533649	8.93	ug/mL	99
14) N-Nitrosodi-n-propylamine	8.23	70	168453	8.13	ug/mL	93
15) Hexachloroethane	8.36	117	84093	6.46	ug/mL	97
19) Nitrobenzene	8.48	77	332548	9.62	ug/mL	98
20) Isophorone	8.85	82	586843	10.31	ug/mL	97
21) 2-Nitrophenol	8.96	139	156391	7.90	ug/mL	93
22) 2,4-Dimethylphenol	9.03	122	197088	10.77	ug/mL	97
23) Benzoic Acid	9.18	122	155050	7.47	ug/mL#	1
24) Bis(2-chloroethoxy)methane	9.19	93	359138	9.31	ug/mL	100
25) 2,4-Dichlorophenol	9.34	162	228398	8.93	ug/mL	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007715.D Vial: 15
Acq On : 7 Oct 2005 7:17 pm Operator: MRC
Sample : LCS3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 19:45:40 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	9.47	180	243726	8.82	ug/mL	97
27)	Naphthalene	9.59	128	851310	9.45	ug/mL	99
28)	4-Chloroaniline	9.69	127	230056	21.58	ug/mL	98
29)	Hexachlorobutadiene	9.79	225	118683	8.85	ug/mL	99
30)	4-Chloro-3-methylphenol	10.46	107	250854	9.31	ug/mL	98
31)	2-Methylnaphthalene	10.70	142	584648	8.76	ug/mL	100
34)	Hexachlorocyclopentadiene	10.94	237	6444	1.40	ug/mL#	92
35)	2,4,6-Trichlorophenol	11.15	196	161511	8.83	ug/mL	99
36)	2,4,5-Trichlorophenol	11.20	196	170344	8.95	ug/mL	98
37)	2-Chloronaphthalene	11.48	162	517953	9.56	ug/mL	98
38)	2-Nitroaniline	11.65	65	170480	10.05	ug/mL	95
39)	3-Nitroaniline	12.71	138	11620	8.54	ug/mL#	87
40)	1-Methylnaphthalene	10.85	142	563763	8.36	ug/mL	97
41)	Dimethylphthalate	11.96	163	591831	9.46	ug/mL	99
42)	Acenaphthylene	12.15	152	830590	10.69	ug/mL	99
43)	2,6-Dinitrotoluene	12.06	165	130316	9.22	ug/mL	92
44)	Acenaphthene	12.43	153	518929	9.61	ug/mL	98
45)	2,4-Dinitrophenol	12.50	184	26952	2.91	ug/mL#	84
46)	4-Nitrophenol	12.61	109	76976	10.51	ug/mL	98
47)	Dibenzofuran	12.71	168	673093	8.76	ug/mL	93
48)	2,4-Dinitrotoluene	12.71	165	156407	9.09	ug/mL#	78
49)	Fluorene	13.27	166	564564	9.76	ug/mL	100
50)	Diethylphthalate	13.11	149	628614	10.04	ug/mL	97
51)	4-Chlorophenyl phenyl ethe	13.28	204	259968	9.47	ug/mL	97
52)	4-Nitroaniline	13.32	138	119349	16.34	ug/mL	98
56)	4,6-Dinitro-2-methylphenol	13.36	198	40202	3.53	ug/mL	91
57)	Diphenylamine	13.47	169	450925	28.36	ug/mL	94
58)	4-bromophenyl phenyl ether	14.07	248	141136	9.42	ug/mL#	89
59)	Hexachlorobenzene	14.15	284	135260	9.40	ug/mL#	88
60)	Pentachlorophenol	14.48	266	73658	7.03	ug/mL	98
61)	Phenanthrene	14.83	178	849999	9.57	ug/mL	100
63)	Anthracene	14.91	178	756564	9.11	ug/mL	100
64)	Azobenzene	13.53	77	647253	9.65	ug/mL	96
65)	Di-n-Butylphthalate	15.78	149	1085373	9.96	ug/mL	99
66)	Fluoranthene	16.76	202	776692	9.19	ug/mL	98
86)	Pyrene	17.12	202	784351	10.90	ug/mL	99
87)	Butylbenzylphthalate	18.21	149	423890	10.59	ug/mL	94
88)	Benzo[a]anthracene	19.06	228	541879	9.57	ug/mL	99
89)	3,3'-Dichlorobenzidine	19.04	252	129360	20.32	ug/mL	98
90)	Chrysene	19.13	228	521561	10.10	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	19.15	149	574557	10.12	ug/mL#	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007715.D Vial: 15
Acq On : 7 Oct 2005 7:17 pm Operator: MRC
Sample : LCS3780 x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 19:45:40 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94)	Di-n-octylphthalate	20.23	149	846419	12.21 ug/mL	100
95)	Benzo[b]fluoranthene	20.92	252	389957	10.55 ug/mL	98
96)	Benzo[k]fluoranthene	20.98	252	405439	11.66 ug/mL	99
97)	Benzo[a]pyrene	21.60	252	305638	10.11 ug/mL	98
98)	Indeno(1,2,3-c,d)pyrene	24.58	276	175536	8.80 ug/mL	97
99)	Dibenzo[a,h]anthracene	24.66	278	187706	9.68 ug/mL	96
100)	Benzo[g,h,i]perylene	25.45	276	172284	8.88 ug/mL	98

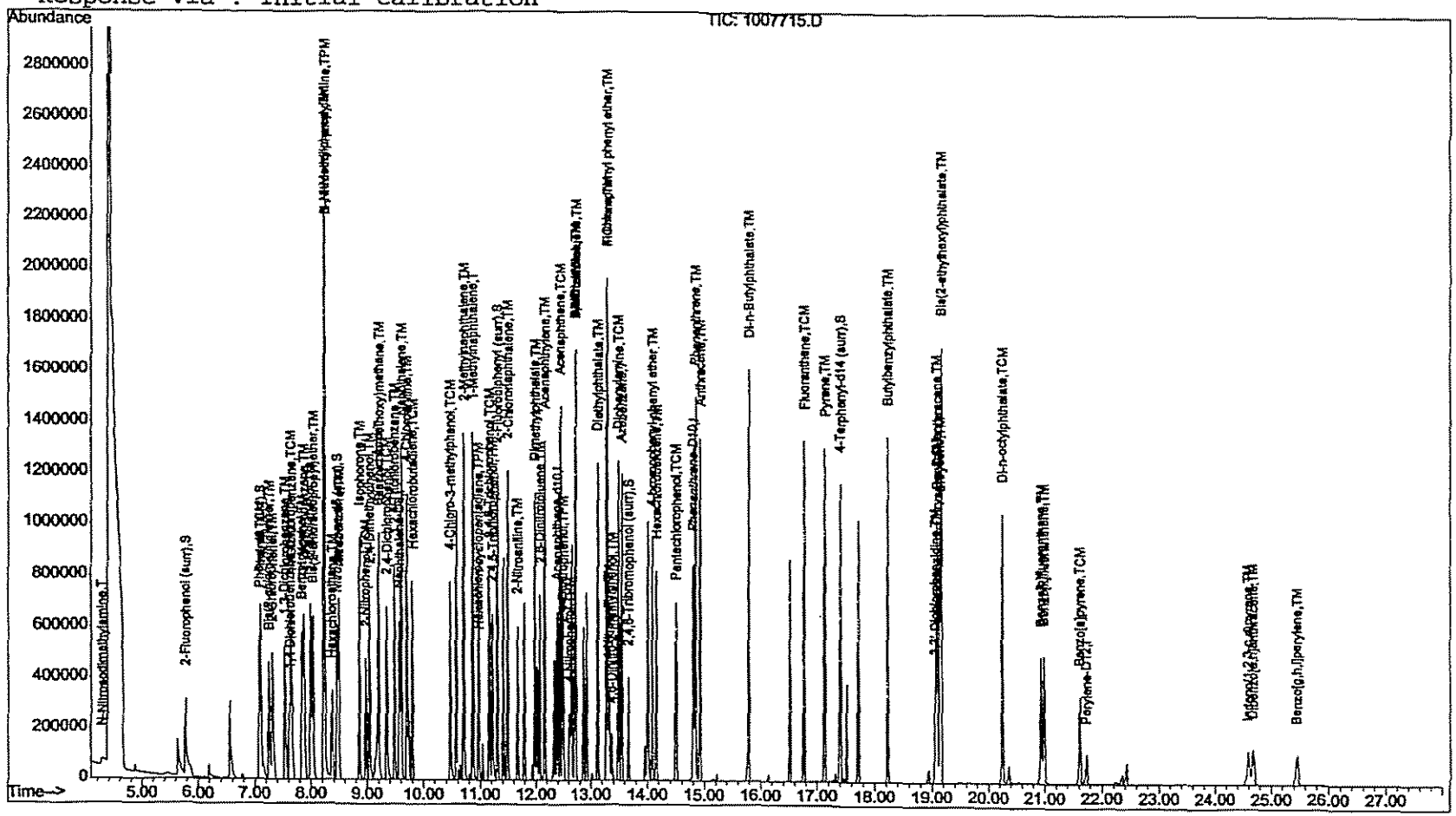
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007715.D
Acq On : 7 Oct 2005 7:17 pm
Sample : LCS3780 x1
Misc : 8270 [3520-3780]
MS Integration Params: rteint.p
Quant Time: Oct 10 9:54 2005

Vial: 15
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



1007715.D 8270.M Mon Oct 10 10:51:00 2005 ENV

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PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007716.D Vial: 16
Acq On : 7 Oct 2005 7:55 pm Operator: MRC
Sample : G649-1-10 MS x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 20:23:28 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

MRC 101005

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.60	152	104705	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.56	136	430666	4.00	ug/mL	-0.03
33) Acenaphthene-d10	12.37	164	208359	4.00	ug/mL	-0.03
55) Phenanthrene-D10	14.79	188	337405	4.00	ug/mL	-0.03
85) Chrysene-D12	19.08	240	196727	4.00	ug/mL	-0.04
93) Perylene-D12	21.72	264	103861	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.77	112	255135	8.48	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	84.80%	
17) Phenol-d6 (surr)	7.07	99	367221	8.82	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	88.20%	
32) Nitrobenzene-d5 (surr)	8.45	128	143387	8.85	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	88.50%	
53) 2-Fluorobiphenyl (surr)	11.29	172	549539	8.85	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	88.50%	
54) 2,4,6-Tribromophenol (surr	13.66	330	53549	8.23	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	82.30%	
92) 4-Terphenyl-d14 (surr)	17.40	244	514821	10.06	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	100.60%	

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	4.30	74	56027m	5.58	ug/mL	
4) Phenol	7.09	94	374859m	8.56	ug/mL	
5) Bis(2-chloroethyl)ether	7.24	93	309215m	8.62	ug/mL	
6) 2-Chlorophenol	7.30	128	303230	8.79	ug/mL	99
7) Benzyl Alcohol	7.82	108	183084	8.38	ug/mL	95
8) 1,3-Dichlorobenzene	7.52	146	252928	7.18	ug/mL	98
9) 1,4-Dichlorobenzene	7.63	146	267662	7.46	ug/mL	99
10) 1,2-Dichlorobenzene	7.86	146	254621	7.92	ug/mL	99
11) 2-Methylphenol	7.98	107	239974	9.43	ug/mL	94
12) 3-, 4-Methylphenol	8.22	107	590672	16.02	ug/mL#	67
13) Bis(2-chloroisopropyl)ethe	8.03	45	524632	9.01	ug/mL	99
14) N-Nitrosodi-n-propylamine	8.23	70	171990	8.52	ug/mL	95
15) Hexachloroethane	8.36	117	78502	6.19	ug/mL	92
19) Nitrobenzene	8.48	77	335687	9.76	ug/mL	98
20) Isophorone	8.85	82	584356	10.33	ug/mL	98
21) 2-Nitrophenol	8.96	139	159960	8.13	ug/mL	96
22) 2,4-Dimethylphenol	9.03	122	254663	14.00	ug/mL	98
23) Benzoic Acid	9.18	122	161907	7.85	ug/mL#	1
24) Bis(2-chloroethoxy)methane	9.19	93	356256	9.29	ug/mL	99
25) 2,4-Dichlorophenol	9.34	162	232179	9.13	ug/mL	98

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

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007716.D Vial: 16
Acq On : 7 Oct 2005 7:55 pm Operator: MRC
Sample : G649-1-10 MS xl Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 20:23:28 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) 1,2,4-Trichlorobenzene	9.47	180	239496	8.72	ug/mL	98
27) Naphthalene	9.59	128	843392	9.42	ug/mL	100
28) 4-Chloroaniline	9.69	127	238600	22.30	ug/mL	96
29) Hexachlorobutadiene	9.79	225	115889	8.69	ug/mL	99
30) 4-Chloro-3-methylphenol	10.46	107	257139	9.60	ug/mL	100
31) 2-Methylnaphthalene	10.70	142	584706	8.81	ug/mL	97
34) Hexachlorocyclopentadiene	10.94	237	12286	2.69	ug/mL#	94
35) 2,4,6-Trichlorophenol	11.15	196	165277	9.08	ug/mL	100
36) 2,4,5-Trichlorophenol	11.20	196	175166	9.24	ug/mL	95
37) 2-Chloronaphthalene	11.48	162	520871	9.66	ug/mL	99
38) 2-Nitroaniline	11.65	65	172918	10.24	ug/mL	96
39) 3-Nitroaniline	12.71	138	11525	8.51	ug/mL	94
40) 1-Methylnaphthalene	10.85	142	566635	8.44	ug/mL	96
41) Dimethylphthalate	11.97	163	600753	9.65	ug/mL	100
42) Acenaphthylene	12.15	152	857071	11.08	ug/mL	99
43) 2,6-Dinitrotoluene	12.06	165	132439	9.41	ug/mL	94
44) Acenaphthene	12.43	153	525784	9.78	ug/mL	99
45) 2,4-Dinitrophenol	12.50	184	30852	3.35	ug/mL#	81
46) 4-Nitrophenol	12.61	109	84081	11.54	ug/mL	99
47) Dibenzofuran	12.71	168	685879	8.97	ug/mL	95
48) 2,4-Dinitrotoluene	12.71	165	162863	9.51	ug/mL#	81
49) Fluorene	13.27	166	577195	10.03	ug/mL	99
50) Diethylphthalate	13.11	149	633288	10.16	ug/mL	98
51) 4-Chlorophenyl phenyl ethe	13.28	204	262757	9.62	ug/mL	97
52) 4-Nitroaniline	13.31	138	121493	16.71	ug/mL	92
56) 4,6-Dinitro-2-methylphenol	13.36	198	47265	4.17	ug/mL	92
57) Diphenylamine	13.47	169	454198	28.69	ug/mL	94
58) 4-bromophenyl phenyl ether	14.07	248	142051	9.52	ug/mL#	86
59) Hexachlorobenzene	14.15	284	134932	9.41	ug/mL#	85
60) Pentachlorophenol	14.48	266	79059	7.58	ug/mL	98
61) Phenanthrene	14.83	178	869545	9.83	ug/mL	99
63) Anthracene	14.91	178	806723	9.75	ug/mL	100
64) Azobenzene	13.53	77	660338	9.89	ug/mL	96
65) Di-n-Butylphthalate	15.78	149	1107017	10.20	ug/mL	99
66) Fluoranthene	16.76	202	819962	9.74	ug/mL	98
86) Pyrene	17.12	202	840515	10.97	ug/mL	98
87) Butylbenzylphthalate	18.21	149	451457	10.60	ug/mL	95
88) Benzo[a]anthracene	19.07	228	598232	9.93	ug/mL	99
89) 3,3'-Dichlorobenzidine	19.04	252	134376	19.88	ug/mL	98
90) Chrysene	19.13	228	571531	10.40	ug/mL	99
91) Bis(2-ethylhexyl)phthalate	19.15	149	611871	10.13	ug/mL#	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007716.D Vial: 16
Acq On : 7 Oct 2005 7:55 pm Operator: MRC
Sample : G649-1-10 MS x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 20:23:28 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94)	Di-n-octylphthalate	20.23	149	913870	12.93 ug/mL	100
95)	Benzo[b]fluoranthene	20.92	252	411454	10.91 ug/mL	96
96)	Benzo[k]fluoranthene	20.98	252	427555	12.06 ug/mL	98
97)	Benzo[a]pyrene	21.60	252	330785	10.73 ug/mL	97
98)	Indeno(1,2,3-c,d)pyrene	24.58	276	176516	8.68 ug/mL	97
99)	Dibenzo[a,h]anthracene	24.66	278	190136	9.62 ug/mL	96
100)	Benzo[g,h,i]perylene	25.44	276	170743	8.63 ug/mL	93

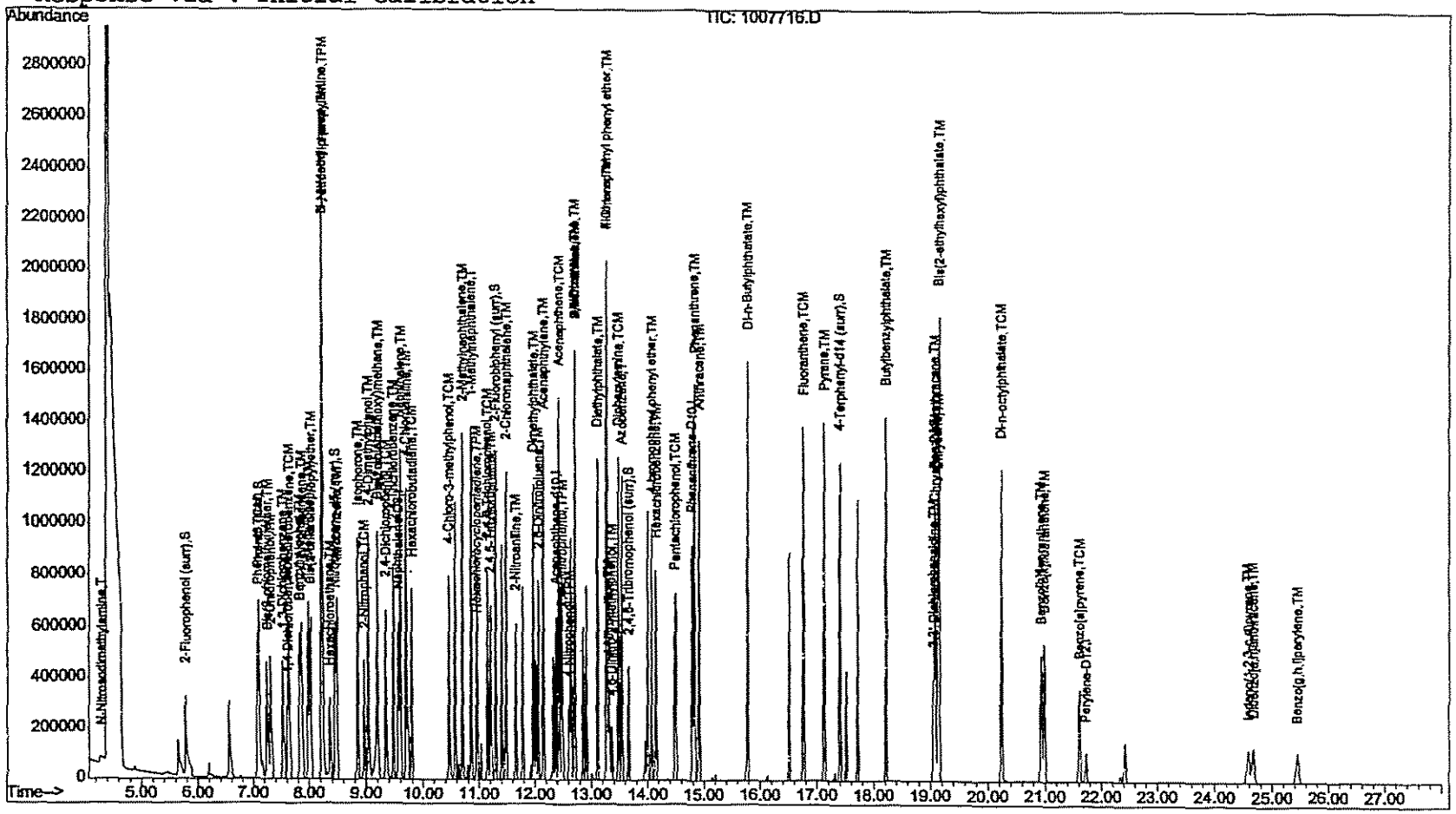
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007716.D
Acq On : 7 Oct 2005 7:55 pm
Sample : G649-1-10 MS x1
Misc : 8270 [3520-3780]
MS Integration Params: rteint.p
Quant Time: Oct 10 9:55 2005

Vial: 16
Operator: MRC
Inst : MSD7
Multiplr: 1.00
Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



1007716.D 8270.M Mon Oct 10 10:51:04 2005 ENV

PARADIGM ANALYTICAL LABORATORIES, INC.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007717.D Vial: 17
Acq On : 7 Oct 2005 8:33 pm Operator: MRC
Sample : G649-1-1P MSD x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 21:01:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

pc 10-10-05

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-D4	7.60	152	113224	4.00	ug/mL	-0.03
18) Naphthalene-D8	9.56	136	454045	4.00	ug/mL	-0.03
33) Acenaphthene-d10	12.37	164	217862	4.00	ug/mL	-0.03
55) Phenanthrene-D10	14.79	188	349180	4.00	ug/mL	-0.03
85) Chrysene-D12	19.08	240	197719	4.00	ug/mL	-0.04
93) Perylene-D12	21.72	264	94379	4.00	ug/mL	-0.06
System Monitoring Compounds						
16) 2-Fluorophenol (surr)	5.77	112	273163	8.39	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	83.90%	
17) Phenol-d6 (surr)	7.07	99	390026	8.66	ug/mL	-0.02
Spiked Amount 10.000			Recovery	=	86.60%	
32) Nitrobenzene-d5 (surr)	8.45	128	150088	8.79	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	87.90%	
53) 2-Fluorobiphenyl (surr)	11.29	172	564601	8.70	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	87.00%	
54) 2,4,6-Tribromophenol (surr	13.66	330	56071	8.24	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	82.40%	
92) 4-Terphenyl-d14 (surr)	17.40	244	540046	10.50	ug/mL	-0.03
Spiked Amount 10.000			Recovery	=	105.00%	

Target Compounds						Qvalue
3) N-Nitrosodimethylamine	4.27	74	79580m	6.66	ug/mL	
4) Phenol	7.09	94	392332m	8.28	ug/mL	
5) Bis(2-chloroethyl)ether	7.24	93	318187m	8.20	ug/mL	
6) 2-Chlorophenol	7.30	128	323665	8.68	ug/mL	97
7) Benzyl Alcohol	7.82	108	198398	8.40	ug/mL	95
8) 1,3-Dichlorobenzene	7.52	146	271845	7.14	ug/mL	97
9) 1,4-Dichlorobenzene	7.63	146	287006	7.39	ug/mL	97
10) 1,2-Dichlorobenzene	7.86	146	269594	7.76	ug/mL	99
11) 2-Methylphenol	7.98	107	257303	9.35	ug/mL	96
12) 3-, 4-Methylphenol	8.22	107	628065	15.75	ug/mL#	70
13) Bis(2-chloroisopropyl)ethe	8.03	45	554304	8.80	ug/mL	99
14) N-Nitrosodi-n-propylamine	8.23	70	184788	8.46	ug/mL	97
15) Hexachloroethane	8.36	117	86740	6.32	ug/mL	98
19) Nitrobenzene	8.48	77	354052	9.77	ug/mL	99
20) Isophorone	8.85	82	623226	10.45	ug/mL	98
21) 2-Nitrophenol	8.96	139	172182	8.30	ug/mL	94
22) 2,4-Dimethylphenol	9.03	122	272977	14.23	ug/mL	96
23) Benzoic Acid	9.20	122	178492	8.21	ug/mL#	1
24) Bis(2-chloroethoxy)methane	9.19	93	379344	9.38	ug/mL	100
25) 2,4-Dichlorophenol	9.34	162	244123	9.10	ug/mL	97

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

N.C. Certification #481 S.C. Certification #99029

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007717.D Vial: 17
Acq On : 7 Oct 2005 8:33 pm Operator: MRC
Sample : G649-1-1P MSD x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 21:01:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
94)	Di-n-octylphthalate	20.23	149	981421	15.28 ug/mL	100
95)	Benzo[b]fluoranthene	20.92	252	403880	11.79 ug/mL	98
96)	Benzo[k]fluoranthene	20.98	252	426004	13.22 ug/mL	99
97)	Benzo[a]pyrene	21.60	252	313840	11.20 ug/mL	95
98)	Indeno(1,2,3-c,d)pyrene	24.58	276	166982	9.03 ug/mL	100
99)	Dibenzo[a,h]anthracene	24.66	278	180009	10.02 ug/mL	95
100)	Benzo[g,h,i]perylene	25.44	276	164708	9.16 ug/mL	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007717.D Vial: 17
Acq On : 7 Oct 2005 8:33 pm Operator: MRC
Sample : G649-1-1P MSD x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 07 21:01:39 2005 Quant Results File: 8270.RES

Quant Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration
DataAcq Meth : 8270

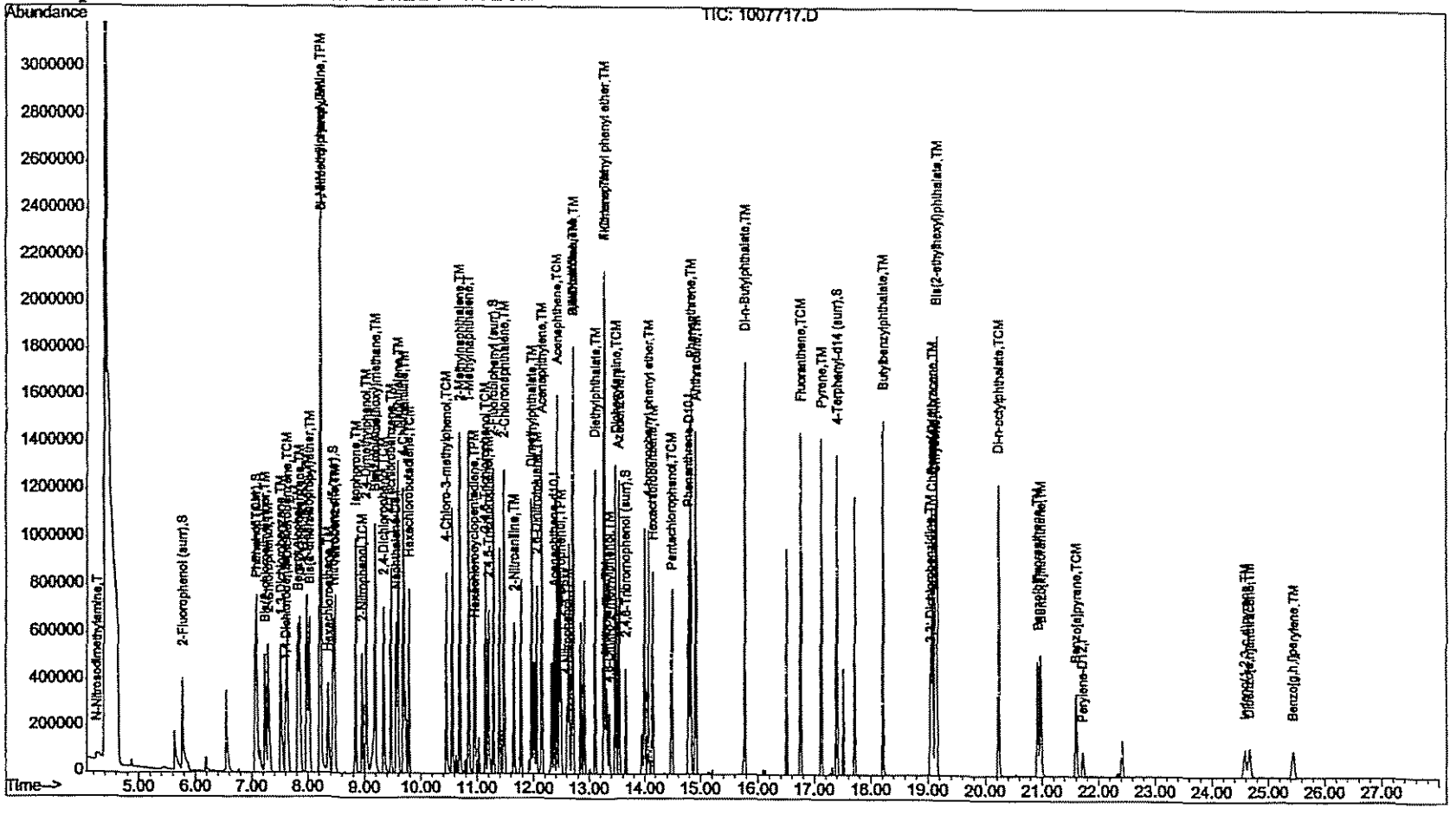
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,2,4-Trichlorobenzene	9.47	180	254331	8.78	ug/mL	100
27)	Naphthalene	9.59	128	879874	9.32	ug/mL	99
28)	4-Chloroaniline	9.69	127	252887	22.39	ug/mL	98
29)	Hexachlorobutadiene	9.79	225	121852	8.67	ug/mL	98
30)	4-Chloro-3-methylphenol	10.46	107	272936	9.67	ug/mL	99
31)	2-Methylnaphthalene	10.70	142	620703	8.87	ug/mL	98
34)	Hexachlorocyclopentadiene	10.94	237	19019	3.98	ug/mL#	94
35)	2,4,6-Trichlorophenol	11.15	196	176383	9.27	ug/mL	100
36)	2,4,5-Trichlorophenol	11.20	196	185765	9.37	ug/mL	97
37)	2-Chloronaphthalene	11.48	162	547673	9.71	ug/mL	98
38)	2-Nitroaniline	11.66	65	184001	10.42	ug/mL	98
39)	3-Nitroaniline	12.71	138	12846	9.07	ug/mL	92
40)	1-Methylnaphthalene	10.85	142	600111	8.55	ug/mL	96
41)	Dimethylphthalate	11.97	163	636993	9.78	ug/mL	99
42)	Acenaphthylene	12.15	152	901758	11.15	ug/mL	99
43)	2,6-Dinitrotoluene	12.06	165	143807	9.78	ug/mL	96
44)	Acenaphthene	12.43	153	561463	9.98	ug/mL	97
45)	2,4-Dinitrophenol	12.50	184	38606	4.01	ug/mL	92
46)	4-Nitrophenol	12.61	109	88746	11.65	ug/mL	97
47)	Dibenzofuran	12.71	168	728890	9.12	ug/mL	95
48)	2,4-Dinitrotoluene	12.71	165	173265	9.67	ug/mL#	78
49)	Fluorene	13.27	166	611102	10.15	ug/mL	100
50)	Diethylphthalate	13.11	149	676741	10.39	ug/mL	97
51)	4-Chlorophenyl phenyl ethe	13.28	204	282793	9.90	ug/mL	96
52)	4-Nitroaniline	13.32	138	129154	16.99	ug/mL	95
56)	4,6-Dinitro-2-methylphenol	13.36	198	57914	4.94	ug/mL	91
57)	Diphenylamine	13.48	169	486512	29.74	ug/mL	94
58)	4-bromophenyl phenyl ether	14.07	248	150777	9.77	ug/mL#	89
59)	Hexachlorobenzene	14.15	284	143860	9.70	ug/mL#	86
60)	Pentachlorophenol	14.48	266	82999	7.69	ug/mL	98
61)	Phenanthrene	14.83	178	922864	10.09	ug/mL	99
63)	Anthracene	14.91	178	855635	10.00	ug/mL	100
64)	Azobenzene	13.53	77	708333	10.25	ug/mL	96
65)	Di-n-Butylphthalate	15.78	149	1174986	10.46	ug/mL	99
66)	Fluoranthene	16.76	202	872514	10.01	ug/mL	98
86)	Pyrene	17.12	202	889772	11.56	ug/mL	98
87)	Butylbenzylphthalate	18.21	149	482785	11.28	ug/mL	94
88)	Benzo[a]anthracene	19.07	228	612705	10.12	ug/mL	99
89)	3,3'-Dichlorobenzidine	19.04	252	144441	21.11	ug/mL#	99
90)	Chrysene	19.13	228	587137	10.63	ug/mL	99
91)	Bis(2-ethylhexyl)phthalate	19.15	149	664107	10.94	ug/mL#	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\7100705\1007717.D Vial: 17
Acq On : 7 Oct 2005 8:33 pm Operator: MRC
Sample : G649-1-1P MSD x1 Inst : MSD7
Misc : 8270 [3520-3780] Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 10 9:56 2005 Quant Results File: 8270.RES

Method : C:\MSDCHEM\1\DATA\7100705\8270.M (RTE Integrator)
Title : 5 POINT INITIAL CALIBRATION FOR 8270
Last Update : Wed Oct 05 09:14:48 2005
Response via : Initial Calibration



1007717.D 8270.M Mon Oct 10 10:51:08 2005 ENV

625-BN Prep, Standard, Run Logs

Prep Report for Batch 3780 (8270/3520/WATER) on 2005-10-06 by eaw

Sample ID (GCCODE)	EXT	InitVol	QCSpikeID	QCSpikeVol	SSpikeID	SSpikeVol	FinalVol	CH2Cl2Lot
G128-1611-1E (167706)		500			8270SRSV03W20I	0.5	5.0	CO874
G128-1611-1F (167707)	DUP	400			8270SRSV03W20I	0.5	5.0	CO874
G161-2179-1E (167698)		500			8270SRSV02W20H	0.5	5.0	CO874
G161-2179-2E (167699)		500			8270SRSV02W20H	0.5	5.0	CO874
G161-2179-3E (167700)		500			8270SRSV02W20H	0.5	5.0	CO874
G161-2179-4E (167701)		500			8270SRSV02W20H	0.5	5.0	CO874
G161-2180-5I (167708)		500			8270SRSV03W20I	0.5	5.0	CO874
G161-2181-1G (167711)		500			8270SRSV03W20I	0.5	5.0	CO874
G161-2182-13L (167976)		500			8270SRSV03W20I	0.5	5.0	CO874
G161-2182-14K (167977)		500			8270SRSV03W20I	0.5	5.0	CO874
G161-2182-15L (167978)		500			8270SRSV03W20I	0.5	5.0	CO874
G161-2183-5G (167979)		500			8270SRSV03W20I	0.5	5.0	CO874
G204-492-5I (167702)		500			8270SRSV02W20H	0.5	5.0	CO874
G311-160-2K (167709)		500			8270SRSV03W20I	0.5	5.0	CO874
G311-160-4K (167710)		500			8270SRSV03W20I	0.5	5.0	CO874
G649-2-1N (167703)		500			8270SRSV02W20H	0.5	5.0	CO874
G649-2-1O (167704)	MS	250	8270QCSV03W16A	0.5	8270SRSV02W20H	0.5	5.0	CO874
G649-2-1P (167705)	MSD	250	8270QCSV03W16A	0.5	8270SRSV02W20H	0.5	5.0	CO874
LCS3780	LCS	500	8270QCSV03W16A	0.5	8270SRSV02W20H	0.5	5.0	CO874
PB3780	PB	500			8270SRSV02W20H	0.5	5.0	CO874

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7100305
Batch: 7100305

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W15-A
CAL STD ID: SVMS01-W15-O
IS STD ID: SVMS01-W16-Q

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
1003701.D	DFTPP 50ng	10/3/2005 8:49	OK			MRC	
1003702.D	SVCAL48	10/3/2005 9:12	OK			MRC	
1003709.D	SVCAL01	10/3/2005 9:51				MRC	
1003708.D	SVCAL02	10/3/2005 10:29				MRC	
1003707.D	SVCAL04	10/3/2005 11:06	8270			MRC	
1003706.D	SVCAL06	10/3/2005 11:43	CURVE OK			MRC	
1003705.D	SVCAL08	10/3/2005 12:20				MRC	
1003704.D	SVCAL12	10/3/2005 12:57				MRC	
1003703.D	SVCAL24	10/3/2005 13:35				MRC	
1003711.D	DFTPP 50ng	10/3/2005 14:07	OK			MRC	
1003712.D	SVCVS24	10/3/2005 14:31	OK			MRC	
1003713.D	SVCVS06	10/3/2005 15:08	OK			MRC	
1003714.D	SVCVS08	10/3/2005 15:45	OK CHC			MRC	
1003715C.d	PB3733 x1	10/3/2005 16:40		OK	OK	MRC	
1003716.D	G442-351-1E x1	10/3/2005 17:17				MRC	
1003716C.D	G442-351-1E x1	10/3/2005 17:17				MRC	
1003717.D	G442-351-2E x1	10/3/2005 17:54				MRC	
1003717C.D	G442-351-2E x1	10/3/2005 17:54				MRC	
1003718.D	G442-351-3E x1	10/3/2005 18:31				MRC	
1003718C.D	G442-351-3E x1	10/3/2005 18:31				MRC	

Analyst: mc

Page Number: 1455

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7100305
Batch: 7100705

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W15-A
CAL STD ID: SVMS01-W15-O
IS STD ID: SVMS01-W16-Q

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
1007701.D	DFTPP 50ng	10/7/2005 10:48	OK			MRC	
1007702.D	SVCVS24	10/7/2005 11:11	OK			MRC	
1007703.D	SVCVS06	10/7/2005 11:48	OK			MRC	
1007704.D	G106-558-1G x1	10/7/2005 12:26		OK	OK	MRC	
1007705.D	G106-558-2G x1	10/7/2005 13:03				MRC	
1007706.D	G106-558-3G x1	10/7/2005 13:41				MRC	
1007707.D	G106-558-4G x1	10/7/2005 14:18				MRC	
1007708.D	PB3768 x1	10/7/2005 14:56				MRC	
1007709.D	LCS3768 x1	10/7/2005 15:33				MRC	
1007710.D	G106-558-2H MS x1	10/7/2005 16:09				MRC	
1007711.D	G106-558-2I MSD x1	10/7/2005 16:47				MRC	
1007712.D	G649-3-1G x1	10/7/2005 17:24				MRC	
1007713.D	G649-3-2G x1	10/7/2005 18:02				MRC	
1007714.D	PB3780 x1	10/7/2005 18:39				MRC	
1007715.D	LCS3780 x1	10/7/2005 19:17				MRC	
1007716.D	G649-2-1O MS x1	10/7/2005 19:55				MRC	
1007717.D	G649-2-1P MSD x1	10/7/2005 20:33				MRC	
1007718.D	G128-1611-1F DUP x1	10/7/2005 21:11				MRC	
1007719.D	G161-2181-1G x1	10/7/2005 21:48				MRC	
1007720.D	G204-492-5I x1	10/7/2005 22:25				MRC	

Analyst: MC

Page Number: 1463

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.

Paradigm Analytical
MSD7 Runlog

Method: 8270 / 625
Matrix: Water / Soil
Init.Cal. Batch 7100305
Batch: 7100705

DFTPP STD ID: SVMS01-W07-K
CVS STD ID: SVMS01-W15-A
CAL STD ID: SVMS01-W15-O
IS STD ID: SVMS01-W16-Q

FILENAME	SAMPLE ID / DILUTION	DATE / TIME	COMMENTS	IS QC	SR QC	OPER	RERUN
1007721.D	G161-2179-1E x1	10/7/2005 23:03		OK	OK	MRC	
1007722.D	G161-2179-2E x1	10/7/2005 23:41				MRC	
1007723.D	G161-2179-3E x1	10/8/2005 0:19				MRC	
1007724.D	G161-2179-4E x1	10/8/2005 0:56				MRC	
1007725.D	G128-1611-1E x1	10/8/2005 1:33				MRC	
1007726.D	G311-160-2K x1	10/8/2005 2:11				MRC	
1007727.D	G311-160-4K x1	10/8/2005 2:50				MRC	
1007728.D	G649-2-1N x1	10/8/2005 3:28				MRC	
1007729.D	G161-2180-5I x1	10/8/2005 4:05				MRC	
1007730.D	G161-2182-13L x1	10/8/2005 4:43				MRC	
1007731.D	G161-2182-14K x1	10/8/2005 5:21				MRC	
1007732.D	G161-2182-15L x1	10/8/2005 6:00				MRC	
1007733.D	G161-2183-5G x1	10/8/2005 6:38				MRC	
1007734.D	G414-67-4G	10/8/2005 7:15				MRC	
1007735.D	G414-67-5I	10/8/2005 7:52				MRC	
1007736.D	G161-2176-1E	10/8/2005 8:30				MRC	
1007737.D	G161-2176-2E	10/8/2005 9:09				MRC	

Analyst: MC

Page Number: 1464

HARRIS PROPERTY
DATA VALIDATION PACKAGES

HARRIS SITE CHECKLIST– October 2005 Sampling

Paradigm Report # Date Collected	Sample Identification(s)	
G161-2183 Collected October 5, 2005	CHS-5	
	HDUP-1 (QC)	
	HS-6	
	TWHS-1	
	Trip Blank (QC)	
	Equipment Blank (QC)	

ARCADIS G&M, Inc
4915 Prospectus Drive, Suite F
Durham, North Carolina 27713
Tel 919-544-4535
Fax 919-544-5690

Project: Harris Site

SOIL

Project Number:
NC105012 0001 RN001

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Soil
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO)/8015; Oil and Grease/9071; and RCRA Metals/6010B and 7471
QA Reporting Levels:	All samples received a Level II Data Validation

FIELD DATA PACKAGE DOCUMENTATION

The review of the field documents for the samples included in this SDG was conducted by the field quality assurance officer and is not presented in this data validation checklist.

The following Field QC samples were collected in association with these October 2005 soil samples. It should be noted that field QC samples were collected at the appropriate frequency.

One blind field duplicate was collected during this sampling event:

- HDUP-1 is the blind field duplicate for primary sample CHS-5.

One Trip Blank and one Equipment Blank sample were analyzed for VOCs/Method 8260.

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Methods of analysis		X		X	
4. Reporting limits of analysis		X		X	
5. Master tracking list	X				X
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preparation/extraction date		X		X	
9. Sample analysis date		X		X	
10. Copy of chain-of-custody form signed by lab sample custodian		X		X	
11. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:

1. Although additional data were provided by the laboratory, a Level II data validation was performed on these data packages. Any Tentatively Identified Compounds (TICs) reported were not evaluated as part of this validation. Twenty-five percent of the data for each parameter was validated, with the directive that if serious quality control deficiencies were encountered, that the remainder of the data would be validated. No such deficiencies were encountered.

   The Chain-of-Custody and data pages for each of the laboratory data packages included in this validation are attached. Any qualifiers assigned to this data are detailed in the following sections, and are clearly marked on these data pages.

VOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Field (rinseate) blanks	X				X
D. Trip blanks		X		X	
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD)		X		X	
7. Laboratory Control Sample (LCS)		X		X	
8. Laboratory Control Sample Duplicate(LCSD)		X		X	
9. LCS/LCSD precision (RPD)		X		X	
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison	X				X

VOCs - volatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section presents the review of USEPA Volatile Organics (VOC)/601 and 602; and Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO). Performance was acceptable, with the following exceptions and notes:

3A. The Method Blanks (MB) associated with each batch of samples did not detect any of the target compounds above the reporting limit.

3B. None of the target compounds were detected in the Trip Blank.

3D. None of the target compounds were detected in the Trip Blank.

4-6. Batch samples were used for the MS/MSD analyses and were not evaluated for matrix interference with our samples.

7-9. The LCS recoveries were within the control limits.

SEMIVOLATILE ORGANIC COMPOUNDS

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times					
A. Extraction holding time		X		X	
B. Analysis holding time		X		X	
2. Reporting limits		X		X	
3. Blanks					
A. Method Blanks		X		X	
C. Equipment Blanks	X				X
D. Field Blanks	X				X
4. Matrix spike (MS) %R		X		X	
5. Matrix spike duplicate (MSD) %R		X		X	
6. MS/MSD precision (RPD))		X		X	
7. Laboratory control sample (LCS)		X		X	
8. LCS duplicate (LCSD)	X				X
9. LCS/LCSD precision (RPD)	X				X
10. Surrogate spike recoveries		X		X	
11. Field duplicate comparison		X		X	

SVOCs - semivolatile organic compounds %R - percent recovery RPD - relative percent difference

Comments:
This section includes review of Semi-VOCs (SVOC)/8270-BN and Oil and Grease/9071. Performance was acceptable, with the following exceptions and notes. Note that the laboratory reported N-Nitrosodiphenylamine as the breakdown product diphenylamine.

3A. The Method Blanks (MB) associated with each batch of samples did not detect any of the target compounds above the reporting limit.

4-6. Batch samples were used for the MS/MSD analyses and were not evaluated for matrix interference with our samples.

7. There were several SVOC LCS recoveries above the control limit. However, none of these compounds were detected in the associated samples and no action was taken.

11. The field duplicate sample criteria were met for Oil and Grease field duplicate, HDUP-1, and its primary sample, CHS-5.

METALS METHOD

Items Reviewed	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Reporting limits		X		X	
3. Blanks A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Field (rinseate) blanks	X				X
4. Laboratory control sample (LCS) %R		X		X	
5. Laboratory control sample duplicate (LCSD) %R		X		X	
6. LCS/LCSD RPD		X		X	
7. Matrix spike (MS) %R		X		X	
8. MS duplicate (MSD) %R		X		X	
9. MS/MSD RPD		X		X	
10. Field duplicate comparison	X				X
11. Total and dissolved metals comparison	X				X

%R - percent recovery RPD - relative percent difference MSD - matrix spike duplicate

Comments:
This section includes review of Method 6010B/7471 for RCRA Metals. Performance was acceptable, with the following exceptions and notes.

3A. None of the blanks detected any of the target metals at concentrations above the reporting limit.

4-6. The LCS/LCSD recoveries and RPD were within control limits.

7-9. One of the unvalidated samples and a batch sample were used for the MS/MSD analyses. No action was taken on the unvalidated sample, and the batch sample was not evaluated for matrix interference with our samples.

DATA VALIDATION CHECKLIST
SUMMARY AND DATA QUALIFIER CODES

Paradigm Report # Date Collected	**Sample Identification(s)**	
G161-2183 Collected October 5, 2005	CHS-5	
	HDUP-1 (QC)	
	TWHS-1	
	Trip Blank (QC)	
	Equipment Blank (QC)	

Sample Team:	Jason Ricks (ECS Carolinas, LLP)
Sample Matrix:	Soil
Analyzing Laboratories:	Paradigm Analytical, Wilmington, North Carolina
Analyses:	Volatile Organics (VOC)/601 and 602; Semi-VOCs (SVOC)/8270-BN; Total Petroleum Hydrocarbons (TPH) – Gasoline Range Organics (GRO)/8015; Oil and Grease/9071; and RCRA Metals/6010B and 7471
QA Reporting Levels:	All samples received a Level II Data Validation

Explanation/Notes:
Analytical data submitted in the above referenced Paradigm Analytical reports were reviewed and evaluated using the USEPA National Functional Guidelines (NFG) for the Review of Organic Data, dated October 1999, NFG for the Review of Inorganic Data, dated October 2004, the method specific criteria, and professional judgment where applicable. Data validation qualifiers that were assigned are presented in the attached data sheets. A detailed description of quality control (QC) deficiencies is included in the corresponding data section. All other data are classified as quantitative.

VALIDATION PERFORMED BY
SIGNATURE: _____

DATE: April 26, 2006

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50725

Page 1 of 1

Client: ECS
Address: 6909 International Drive, Suite 103
Address: Greensboro, NC 27409
Quote #: 1842

Project ID: Harris Site
Contact: Jason Ricks
Phone: 336-856-7150
Fax: 336-856-7160

Date: 10/5/05
Turnaround: Standard
Job Number: G-7506
P.O. Number:

Report To: Jrick@ecslimited.com
Invoice To: ECS

Sample ID	Date	Time	Matrix	Preservatives				Analyses: 9071 w/silica Gel Ext	Total RCRA Metals	5030		601/602	625 BNA 10 TICs	Total RCRA Metals		601		Comments: Please specify any special reporting requirements
																		City of Greensboro Project G161-2183
CHS-2	10/5/05	950	Soil					✓	✓									
CHS-5	10/5/05	1000	Soil					✓	✓									
HS-6	10/5/05	1005	Soil							✓								
HDUP-1			Soil					✓										
TWHS-1	10/5/05	1236 MPB ~~1236~~										✓	✓	✓				
TRIP Blank																✓		
Equipment Blank												✓						

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Matt Brown	10/5/05	1800	Fedex			
			[signature]	10/6/05	1030	1.3°C

State Certification Requested: NC (X) SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. CERTIFICATION #481

Results for Volatiles
by GC 601

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	**8.21**	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.9	102

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 601

Client Sample ID: Trip Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-6A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	40.4	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: WDR

Results for Volatiles
by GC 601

Client Sample ID: Equipment Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-7A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 13:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Bromodichloromethane	BQL	1.00	1	10/10/2005
Bromoform	BQL	2.00	1	10/10/2005
Bromomethane	BQL	1.00	1	10/10/2005
Carbon tetrachloride	BQL	1.00	1	10/10/2005
Chlorobenzene	BQL	1.00	1	10/10/2005
Chloroethane	BQL	1.00	1	10/10/2005
Chloroform	BQL	1.00	1	10/10/2005
Chloromethane	BQL	1.00	1	10/10/2005
Dibromochloromethane	BQL	1.00	1	10/10/2005
1,2-Dibromoethane (EDB)	BQL	1.00	1	10/10/2005
1,2-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,3-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,4-Dichlorobenzene	BQL	1.00	1	10/10/2005
1,1-Dichloroethane	BQL	1.00	1	10/10/2005
1,2-Dichloroethane	BQL	1.00	1	10/10/2005
1,1-Dichloroethene	BQL	1.00	1	10/10/2005
cis-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
trans-1,2-Dichloroethene	BQL	1.00	1	10/10/2005
1,2-Dichloropropane	BQL	1.00	1	10/10/2005
cis-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
trans-1,3-Dichloropropene	BQL	1.00	1	10/10/2005
Methylene Chloride	BQL	5.00	1	10/10/2005
1,1,2,2-Tetrachloroethane	BQL	1.00	1	10/10/2005
Tetrachloroethene	BQL	1.00	1	10/10/2005
1,1,1-Trichloroethane	BQL	1.00	1	10/10/2005
1,1,2-Trichloroethane	BQL	1.00	1	10/10/2005
Trichloroethene	BQL	1.00	1	10/10/2005
Trichlorofluoromethane	BQL	1.00	1	10/10/2005
Vinyl Chloride	BQL	1.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
1,4-Dichlorobutane	40	41.7	104

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

SGS

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: Harris Site
Lab Sample ID: G161-2183-6A
Lab Project ID: G161-2183

Analyzed By: MJC
Date Collected: 10/5/2005 0:00
Date Received: 10/6/2005
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.1	100

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: BNP

Results for Volatiles
by GC 602

Client Sample ID:	Equipment Blank	Analyzed By:	MJC
Client Project ID:	Harris Site	Date Collected:	10/5/2005 13:00
Lab Sample ID:	G161-2183-7A	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	BQL	1.00	1	10/10/2005
Diisopropyl ether (DIPE)	BQL	1.00	1	10/10/2005
Ethylbenzene	BQL	1.00	1	10/10/2005
Methyl-tert butyl ether (MTBE)	BQL	2.00	1	10/10/2005
Toluene	BQL	1.00	1	10/10/2005
m/p-Xylene	BQL	2.00	1	10/10/2005
o-Xylene	BQL	2.00	1	10/10/2005

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	40.3	101

Comments:
All values corrected for dilution.
BQL = Below quantitation limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	10/8/2005
Acenaphthylene	BQL	10.0	1	10/8/2005
Anthracene	BQL	10.0	1	10/8/2005
Benzo[a]anthracene	BQL	10.0	1	10/8/2005
Benzo[a]pyrene	BQL	10.0	1	10/8/2005
Benzo[b]fluoranthene	BQL	10.0	1	10/8/2005
Benzo[g,h,i]perylene	BQL	10.0	1	10/8/2005
Benzo[k]fluoranthene	BQL	10.0	1	10/8/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	10/8/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	10/8/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	10/8/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	10/8/2005
4-bromophenyl phenyl ether	BQL	10.0	1	10/8/2005
Butylbenzylphthalate	BQL	10.0	1	10/8/2005
2-Chloronaphthalene	BQL	10.0	1	10/8/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	10/8/2005
Chrysene	BQL	10.0	1	10/8/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	10/8/2005
Di-n-Butylphthalate	BQL	10.0	1	10/8/2005
1,2-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,3-Dichlorobenzene	BQL	10.0	1	10/8/2005
1,4-Dichlorobenzene	BQL	10.0	1	10/8/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	10/8/2005
Diethylphthalate	BQL	10.0	1	10/8/2005
Dimethylphthalate	BQL	10.0	1	10/8/2005
Di-n-octylphthalate	BQL	10.0	1	10/8/2005
2,4-Dinitrotoluene	BQL	10.0	1	10/8/2005
2,6-Dinitrotoluene	BQL	10.0	1	10/8/2005
Diphenylamine *	BQL	10.0	1	10/8/2005
Fluoranthene	BQL	10.0	1	10/8/2005
Fluorene	BQL	10.0	1	10/8/2005
Hexachlorobenzene	BQL	10.0	1	10/8/2005
Hexachlorobutadiene	BQL	10.0	1	10/8/2005
Hexachlorocyclopentadiene	BQL	20.0	1	10/8/2005
Hexachloroethane	BQL	10.0	1	10/8/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	10/8/2005
Isophorone	BQL	10.0	1	10/8/2005
Naphthalene	BQL	10.0	1	10/8/2005
Nitrobenzene	BQL	10.0	1	10/8/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	10/8/2005
Phenanthrene	BQL	10.0	1	10/8/2005
Pyrene	BQL	10.0	1	10/8/2005

Results for Semivolatiles
by GCMS 625-BN

Client Sample ID: TWHS-1
Client Project ID: Harris Site
Lab Sample ID: G161-2183-5G
Lab Project ID: G161-2183

Analyzed By: MRC
Date Collected: 10/5/2005 12:36
Date Received: 10/6/2005
Date Extracted: 10/6/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
1,2,4-Trichlorobenzene	BQL	10.0	1	10/8/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	10.5	105

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

Reviewed By: KJ

Results for Oil and Grease

Client Sample ID:	CHS-5	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-2c	Date Collected:	10/5/2005 10:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	90.83

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	34.4	**402**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.33

Results for Oil and Grease

Client Sample ID:	HDUP-1	Date Analyzed:	10/10/2005
Client Project ID:	Harris Site	Analyzed By:	nio
Lab Sample ID:	G161-2183-4b	Date Collected:	10/5/2005 0:00
Lab Project ID:	G161-2183	Date Received:	10/6/2005
Matrix:	Soil	Solids:	91.14

Parameter	Method	Quantitation Limit MG/KG	Result MG/KG
Oil & Grease	9071	32.6	**424**

Comments:
Silica Gel Clean-up performed.
BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: BSP
9071_LIMS_v1.33

Results for Metals

Client Sample ID:	CHS-5	Analyzed By:	PSW
Client Project ID:	Harris Site	Date Collected:	10/5/2005 10:00
Lab Sample ID:	G161-2183-2	Date Received:	10/6/2005
Lab Project ID:	G161-2183	Matrix:	SOIL
Batch ID:	3808 3802	Solids	90.83
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	**4.89**	1.06	1	MG/KG	6010B	10/12/2005
Barium	**133**	10.6	1	MG/KG	6010B	10/12/2005
Cadmium	BQL	1.06	1	MG/KG	6010B	10/12/2005
Chromium	**12.7**	1.06	1	MG/KG	6010B	10/12/2005
Lead	**198**	1.06	1	MG/KG	6010B	10/12/2005
Mercury	**0.215**	0.0202	1	MG/KG	7471	10/12/2005
Selenium	**2.68**	2.12	1	MG/KG	6010B	10/12/2005
Silver	BQL	1.06	1	MG/KG	6010B	10/12/2005

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > RL

Reviewed By: _____
MET_LIMS_3.3

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID:	HS-6	Analyzed By:	DCS
Client Project ID:	Harris Site	Date Collected:	10/5/05 10:05
Lab Sample ID:	G161-2183-3	Date Received:	10/6/05
Lab Project ID:	G161-2183	Matrix:	Soil
Report Basis:	Dry Weight	Solids	84.57

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7 09	5030	1	10/11/05

Comments:

Reviewed By: _____