

## Form1

## ORGANICS SEMIVOLATILE REPORT

0897

Sample Number: SMB2617  
 Client Id:  
 Data File: 4M05480.D  
 Analysis Date: 08/10/05 07:18  
 Date Rec/Extracted: NA-08/09/05

Matrix: Soil  
 Initial Vol: 30g  
 Final Vol: 1ml  
 Dilution: 1  
 Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0090	U	205-99-2	Benzo[b]fluoranthene	0.010	U
95-50-1	1,2-Dichlorobenzene	0.015	U	191-24-2	Benzo[g,h,i]perylene	0.0063	U
122-66-7	1,2-Diphenylhydrazine	0.0096	U	207-08-9	Benzo[k]fluoranthene	0.011	U
541-73-1	1,3-Dichlorobenzene	0.014	U	111-91-1	bis(2-Chloroethoxy)methan	0.0076	U
106-46-7	1,4-Dichlorobenzene	0.017	U	111-44-4	bis(2-Chloroethyl)ether	0.018	U
95-95-4	2,4,5-Trichlorophenol	0.45	U	108-60-1	bis(2-chloroisopropyl)ether	0.011	U
88-06-2	2,4,6-Trichlorophenol	0.81	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.030	U
120-83-2	2,4-Dichlorophenol	0.054	U	85-68-7	Butylbenzylphthalate	0.013	U
105-67-9	2,4-Dimethylphenol	0.046	U	86-74-8	Carbazole	0.0099	U
51-28-5	2,4-Dinitrophenol	0.23	U	218-01-9	Chrysene	0.0069	U
121-14-2	2,4-Dinitrotoluene	0.012	U	<b>84-74-2</b>	<b>Di-n-butylphthalate</b>	<b>0.0075</b>	<b>0.042</b>
606-20-2	2,6-Dinitrotoluene	0.014	U	117-84-0	Di-n-octylphthalate	0.0079	U
91-58-7	2-Chloronaphthalene	0.0092	U	53-70-3	Dibenzo[a,h]anthracene	0.012	U
95-57-8	2-Chlorophenol	0.068	U	132-64-9	Dibenzofuran	0.042	U
91-57-6	2-Methylnaphthalene	0.043	U	84-66-2	Diethylphthalate	0.0092	U
95-48-7	2-Methylphenol	0.16	U	131-11-3	Dimethylphthalate	0.0075	U
88-74-4	2-Nitroaniline	0.023	U	206-44-0	Fluoranthene	0.0096	U
88-75-5	2-Nitrophenol	0.039	U	86-73-7	Fluorene	0.0084	U
106-44-5	3&4-Methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.015	U
91-94-1	3,3'-Dichlorobenzidine	0.073	U	87-68-3	Hexachlorobutadiene	0.014	U
99-09-2	3-Nitroaniline	0.14	U	77-47-4	Hexachlorocyclopentadiene	0.089	U
534-52-1	4,6-Dinitro-2-methylphenol	0.063	U	67-72-1	Hexachloroethane	0.025	U
101-55-3	4-Bromophenyl-phenylether	0.013	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0046	U
59-50-7	4-Chloro-3-methylphenol	0.085	U	78-59-1	Isophorone	0.010	U
106-47-8	4-Chloroaniline	0.26	U	621-64-7	N-Nitroso-di-n-propylamine	0.016	U
7005-72-3	4-Chlorophenyl-phenylether	0.015	U	62-75-9	N-Nitrosodimethylamine	0.39	U
100-01-6	4-Nitroaniline	0.082	U	86-30-6	n-Nitrosodiphenylamine	0.016	U
100-02-7	4-Nitrophenol	0.059	U	91-20-3	Naphthalene	0.0078	U
83-32-9	Acenaphthene	0.014	U	98-95-3	Nitrobenzene	0.013	U
208-96-8	Acenaphthylene	0.0077	U	87-86-5	Pentachlorophenol	0.041	U
120-12-7	Anthracene	0.0087	U	85-01-8	Phenanthrene	0.0077	U
92-87-5	Benzidine	0.076	U	108-95-2	Phenol	0.051	U
56-55-3	Benzo[a]anthracene	0.0058	U	129-00-0	Pyrene	0.0078	U
50-32-8	Benzo[a]pyrene	0.0077	U				

Worksheet #: 18319

**Total Target Concentration 0.042**

*U* - Indicates the compound was analyzed but not detected.  
*B* - Indicates the analyte was found in the blank as well as in the sample.  
*E* - Indicates the analyte concentration exceeds the calibration range of the instrument.

*R* - Retention Time Out  
*J* - Indicates an estimated value when a compound is detected at less than the specified detection limit.

080909

Data File : G:\GcMsData\2005\Gcms\_4\Data\08-10-05\4M05480.D Vial: 330  
 Acq On : 10 Aug 2005 7:18 Operator: AHD  
 Sample : SMB2617 Inst : GCMS\_4  
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P  
 Quant Time: Aug 12 10:41 2005

Quant Results File: 4M\_0809.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_4\METHODS\4M\_0809.M (RTE Integrator)  
 Title : @GCMS\_4,mg,625,8270  
 Last Update : Tue Aug 09 15:25:10 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 4M\_0809

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.86	152	45827	40.00	ng	0.00
19) Naphthalene-d8	5.85	136	158144	40.00	ng	0.00
35) Acenaphthene-d10	7.42	164	81501	40.00	ng	0.00
59) Phenanthrene-d10	9.01	188	127167	40.00	ng	0.00
72) Chrysene-d12	12.20	240	98255	40.00	ng	0.00
81) Perylene-d12	14.04	264	72734	40.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.71	112	240355	188.61	ng	0.00
Spiked Amount	200.000		Recovery	=	94.31%	
7) Phenol-d5	4.57	99	302364	188.95	ng	0.00
Spiked Amount	200.000		Recovery	=	94.47%	
20) Nitrobenzene-d5	5.30	128	74100	96.91	ng	0.00
Spiked Amount	100.000		Recovery	=	96.91%	
40) 2-Fluorobiphenyl	6.77	172	231355	83.02	ng	0.00
Spiked Amount	100.000		Recovery	=	83.02%	
62) 2,4,6-Tribromophenol	8.24	332	116494	181.94	ng	0.00
Spiked Amount	200.000		Recovery	=	90.97%	
75) Terphenyl-d14	10.91	244	228045	81.90	ng	0.00
Spiked Amount	100.000		Recovery	=	81.90%	
Target Compounds						Qvalue
70) Di-n-butylphthalate	9.74	149	6297	1.25	ng	93

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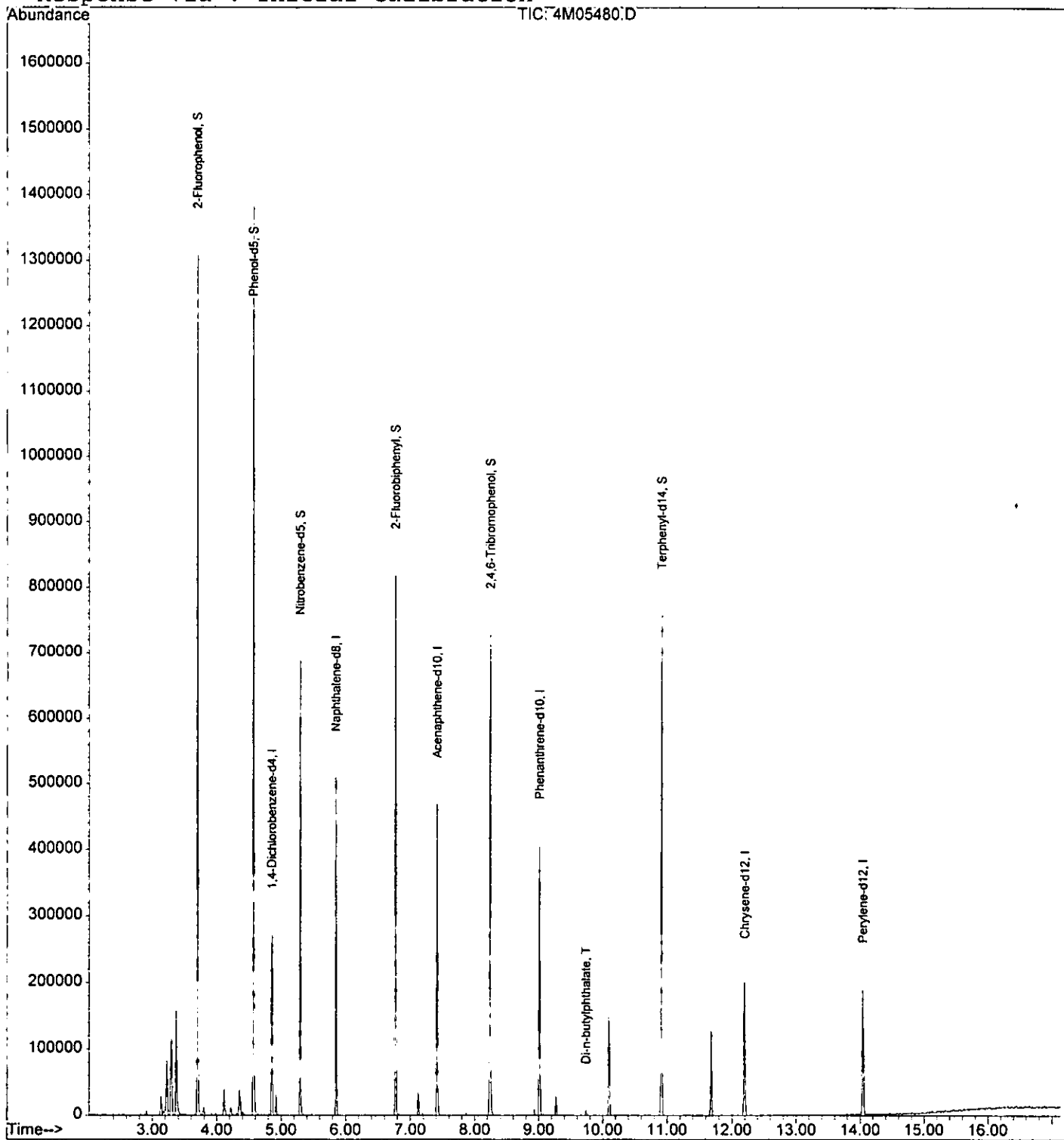
(#) = qualifier out of range (m) = manual integration

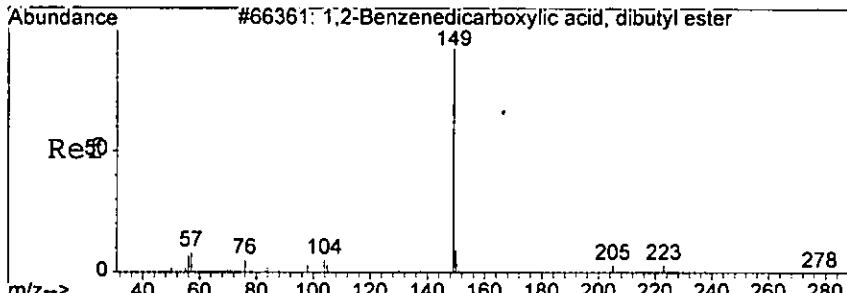
Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_4\Data\08-10-05\4M05480.D Vial: 130  
Acq On : 10 Aug 2005 7:18 Operator: AHD  
Sample : SMB2617 Inst : GCMS\_4  
Misc : S,BNA Multiplr: 1.00  
MS Integration Params: RTEINT.P  
Quant Time: Aug 12 10:41 2005

Quant Results File: 4M\_0809.RES

Method : G:\GCMSDATA\2005\GCMS\_4\METHODS\4M\_0809.M (RTE Integrator)  
Title : @GCMS\_4,mg,625,8270  
Last Update : Tue Aug 09 15:25:10 2005  
Response via : Initial Calibration



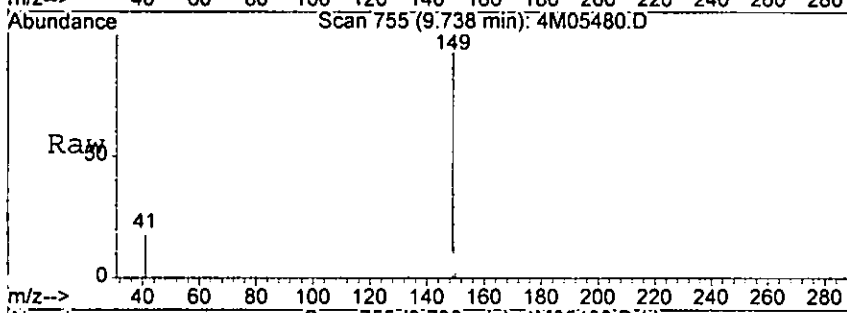


#70  
 Di-n-butylphthalate  
 Concen: 1.25 ng  
 RT: 9.74 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: 4M05480.D  
 Acq: 10 Aug 2005 7:18

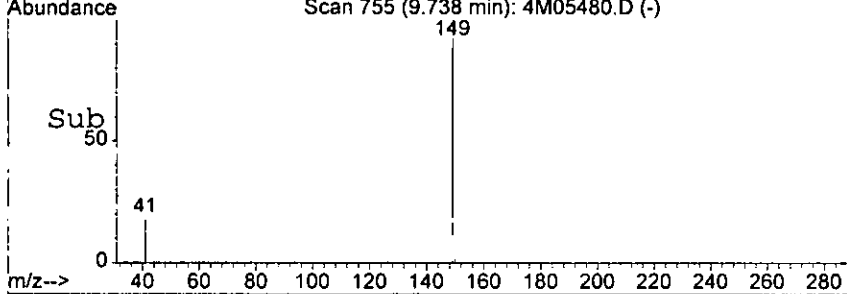
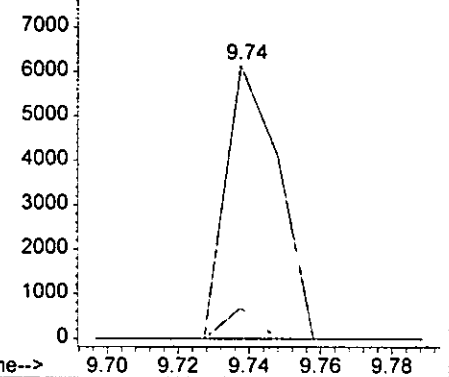
0060

Tgt Ion: 149 Resp: 6297

Ion	Ratio	Lower	Upper
149	100		
150	11.2	0.0	49.8
104	0.0	0.0	44.6



Abundance Ion 149.00 (148.70 to 149.70): 4M0548  
 Ion 150.00 (149.70 to 150.70): 4M0548  
 Ion 104.00 (103.70 to 104.70): 4M0548



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## Form1

## ORGANICS SEMIVOLATILE REPORT

0981

Sample Number: SMB2620  
 Client Id:  
 Data File: 5M09952.D  
 Analysis Date: 08/11/05 07:32  
 Date Rec/Extracted: NA-08/10/05

Matrix: Soil  
 Initial Vol: 30g  
 Final Vol: 1ml  
 Dilution: 1  
 Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
120-82-1	1,2,4-Trichlorobenzene	0.0058	U	205-99-2	Benzo[b]fluoranthene	0.0093	U
95-50-1	1,2-Dichlorobenzene	0.013	U	191-24-2	Benzo[g,h,i]perylene	0.0048	U
122-66-7	1,2-Diphenylhydrazine	0.011	U	207-08-9	Benzo[k]fluoranthene	0.012	U
541-73-1	1,3-Dichlorobenzene	0.0095	U	111-91-1	bis(2-Chloroethoxy)methan	0.0078	U
106-46-7	1,4-Dichlorobenzene	0.0058	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
95-95-4	2,4,5-Trichlorophenol	0.052	U	108-60-1	bis(2-chloroisopropyl)ether	0.0069	U
88-06-2	2,4,6-Trichlorophenol	0.025	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.021	U
120-83-2	2,4-Dichlorophenol	0.044	U	85-68-7	Butylbenzylphthalate	0.0090	U
105-67-9	2,4-Dimethylphenol	0.028	U	86-74-8	Carbazole	0.0064	U
51-28-5	2,4-Dinitrophenol	0.061	U	218-01-9	Chrysene	0.0095	U
121-14-2	2,4-Dinitrotoluene	0.012	U	84-74-2	Di-n-butylphthalate	0.0067	U
606-20-2	2,6-Dinitrotoluene	0.015	U	117-84-0	Di-n-octylphthalate	0.011	U
91-58-7	2-Chloronaphthalene	0.0038	U	53-70-3	Dibenzo[a,h]anthracene	0.0061	U
95-57-8	2-Chlorophenol	0.061	U	132-64-9	Dibenzofuran	0.043	U
91-57-6	2-Methylnaphthalene	0.057	U	84-66-2	Diethylphthalate	0.0078	U
95-48-7	2-Methylphenol	0.12	U	131-11-3	Dimethylphthalate	0.0057	U
88-74-4	2-Nitroaniline	0.043	U	206-44-0	Fluoranthene	0.0055	U
88-75-5	2-Nitrophenol	0.041	U	86-73-7	Fluorene	0.0080	U
106-44-5	3&4-Methylphenol	0.12	U	118-74-1	Hexachlorobenzene	0.014	U
91-94-1	3,3'-Dichlorobenzidine	0.058	U	87-68-3	Hexachlorobutadiene	0.0082	U
99-09-2	3-Nitroaniline	0.084	U	77-47-4	Hexachlorocyclopentadiene	0.090	U
534-52-1	4,6-Dinitro-2-methylphenol	0.063	U	67-72-1	Hexachloroethane	0.012	U
101-55-3	4-Bromophenyl-phenylether	0.014	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.0057	U
59-50-7	4-Chloro-3-methylphenol	0.067	U	78-59-1	Isophorone	0.18	U
106-47-8	4-Chloroaniline	0.23	U	621-64-7	N-Nitroso-di-n-propylamine	0.011	U
7005-72-3	4-Chlorophenyl-phenylether	0.0094	U	62-75-9	N-Nitrosodimethylamine	0.37	U
100-01-6	4-Nitroaniline	0.050	U	86-30-6	n-Nitrosodiphenylamine	0.0091	U
100-02-7	4-Nitrophenol	0.047	U	91-20-3	Naphthalene	0.0032	U
83-32-9	Acenaphthene	0.0055	U	98-95-3	Nitrobenzene	0.0094	U
208-96-8	Acenaphthylene	0.0050	U	87-86-5	Pentachlorophenol	0.032	U
120-12-7	Anthracene	0.0066	U	85-01-8	Phenanthrene	0.0074	U
92-87-5	Benzidine	0.34	U	108-95-2	Phenol	0.055	U
56-55-3	Benzo[a]anthracene	0.0046	U	129-00-0	Pyrene	0.0076	U
50-32-8	Benzo[a]pyrene	0.0055	U				

Worksheet #: 18319

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

8202  
2005

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09952.D Vial:  
 Acq On : 11 Aug 2005 7:32 Operator: AHD  
 Sample : SMB2620 Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P  
 Quant Time: Aug 16 15:28 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.07	152	27872	40.00	ng	-0.18
20) Naphthalene-d8	6.11	136	106577	40.00	ng	-0.18
36) Acenaphthene-d10	7.44	164	61321	40.00	ng	-0.20
61) Phenanthrene-d10	8.80	188	100197	40.00	ng	-0.22
77) Chrysene-d12	11.77	240	75950	40.00	ng	-0.26
88) Perylene-d12	13.36	264	56519	40.00	ng	-0.26
System Monitoring Compounds						
4) 2-Fluorophenol	3.74	112	161876	172.44	ng	-0.22
Spiked Amount	200.000		Recovery	=	86.22%	
8) Phenol-d5	4.78	99	202530	147.54	ng	-0.17
Spiked Amount	200.000		Recovery	=	73.77%	
21) Nitrobenzene-d5	5.54	128	39746	85.18	ng	-0.18
Spiked Amount	100.000		Recovery	=	85.18%	
41) 2-Fluorobiphenyl	6.92	172	170380	88.89	ng	-0.18
Spiked Amount	100.000		Recovery	=	88.89%	
64) 2,4,6-Tribromophenol	8.13	330	41717	194.54	ng	-0.21
Spiked Amount	200.000		Recovery	=	97.27%	
80) Terphenyl-d14	10.58	244	170864	95.23	ng	-0.23
Spiked Amount	100.000		Recovery	=	95.23%	

Target Compounds

Qvalue

*hgh*

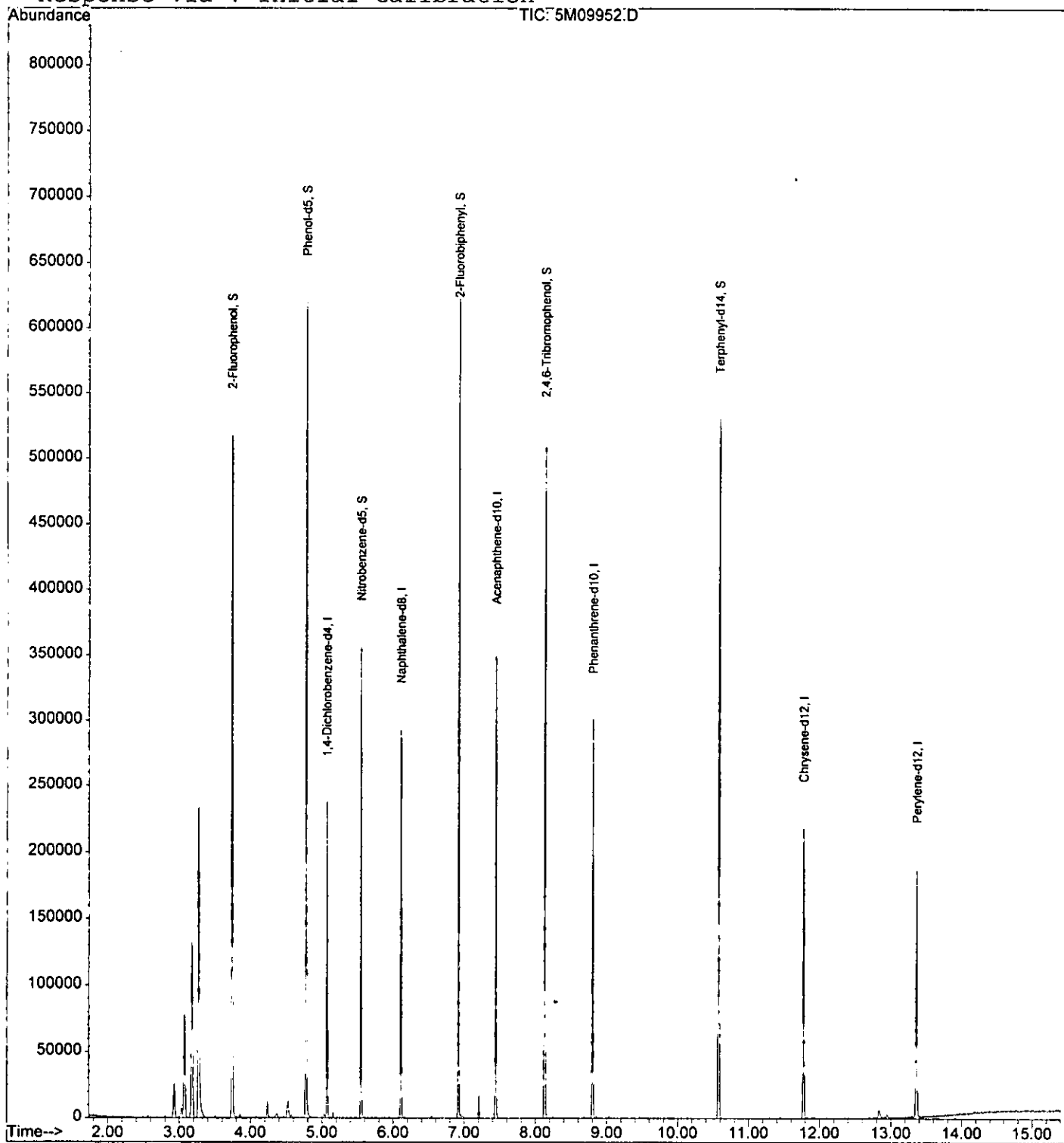
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 (#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09952.D Vial: 09952  
Acq On : 11 Aug 2005 7:32 Operator: AHD  
Sample : SMB2620 Inst : GCMS\_5  
Misc : S,BNA Multiplr: 1.00  
MS Integration Params: RTEINT.P  
Quant Time: Aug 16 15:28 2005

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
Title : @GCMS\_5,mg,625,8270  
Last Update : Fri Jul 22 11:19:45 2005  
Response via : Initial Calibration



Data File:====>  
Data/Batch/Sample ID:====>  
Date/Time:====>

Compound	Limit(s)		Col	Mr	Conc %			Conc %			Conc %			Conc %			Conc %		
	Soil	Aq			Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
1,2,4-Trichlorobenz	38-107	39-98	1	0	99.98	100	100	82.72	100	83									
1,4-Dichlorobenzen	28-104	36-97	1	0	93.44	100	93	66	100	66									
2,4-Dinitrotoluene	28-89	24-96	1	0	126.8	100	127*	91.5	100	92									
2-Chlorophenol	25-102	27-123	1	0	178.8	200	89	75.21	100	75									
4-Chloro-3-methylp	26-103	23-97	1	0	207.9	200	104*	88.1	100	88									
4-Nitrophenol	11-114	10-80	1	0	189.2	200	95	50.02	100	50									
Acenaphthene	31-137	46-118	1	0	97.97	100	98	92.15	100	92									
N-Nitroso-di-n-propy	41-126	41-116	1	0	105.9	100	106	86.13	100	86									
Pentachlorophenol	17-109	9-103	1	0	194	200	97	98.82	100	99									
Phenol	26-90	12-89	1	0	174.6	200	87	42.21	100	42									
Pyrene	35-142	26-127	1	0	93.1	100	93	101.7	100	102									



0950

Data File : G:\GcMsData\2005\Gcms\_6\Data\08-09-05\6M03626.D Vial:  
 Acq On : 9 Aug 2005 13:38 Operator: AHD  
 Sample : SMB2614 (MS) Inst : gcms\_6  
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 9 14:31 2005

Quant Results File: 6M\_0809.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_6\METHODS\6M\_0809.M (RTE Integrator)  
 Title : @GCMS\_6,mg,625,8270  
 Last Update : Tue Aug 09 14:21:58 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 6M\_0809

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	4.49	152	50196	40.00	ng	0.00
20) Naphthalene-d8	5.44	136	160814	40.00	ng	0.00
36) Acenaphthene-d10	7.00	164	96001	40.00	ng	0.00
61) Phenanthrene-d10	8.59	188	160260	40.00	ng	0.00
74) Chrysene-d12	11.78	240	105548	40.00	ng	0.00
83) Perylene-d12	13.63	264	61103	40.00	ng	0.00

## System Monitoring Compounds

4) 2-Fluorophenol	3.44	112	269544	183.37	ng	0.00
Spiked Amount	200.000		Recovery	=	91.69%	
8) Phenol-d5	4.20	99	361146	184.03	ng	0.00
Spiked Amount	200.000		Recovery	=	92.02%	
21) Nitrobenzene-d5	4.89	128	78682	96.97	ng	0.00
Spiked Amount	100.000		Recovery	=	96.97%	
41) 2-Fluorobiphenyl	6.35	172	263931	87.84	ng	0.00
Spiked Amount	100.000		Recovery	=	87.84%	
64) 2,4,6-Tribromophenol	7.82	332	55765	178.99	ng	0.00
Spiked Amount	200.000		Recovery	=	89.50%	
77) Terphenyl-d14	10.49	244	251208	90.64	ng	0.00
Spiked Amount	100.000		Recovery	=	90.64%	

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Aniline	4.32	93	6722	2.88	ng	# 1
6) Pentachloroethane	4.49	117	9844	15.63	ng	# 5
7) bis(2-Chloroethyl)ether	4.32	93	6722	3.90	ng	# 1
9) Phenol	4.22	94	384041	174.60	ng	99
10) 2-Chlorophenol	4.32	128	290873	178.81	ng	90
11) 1,3-Dichlorobenzene	4.50	146	163092	96.94	ng	96
12) 1,4-Dichlorobenzene	4.50	146	163092	93.44	ng	97
13) 1,2-Dichlorobenzene	4.50	146	163092	98.15	ng	98
14) Benzyl alcohol	4.50	108	1517	1.50	ng	# 1
16) 2-Methylphenol	4.50	108	1517	1.12	ng	# 52
18) N-Nitroso-di-n-propylamine	4.79	70	135952	105.91	ng	96
29) 1,2,4-Trichlorobenzene	5.40	180	138453	99.98	ng	96
33) 4-Chloro-3-methylphenol	5.89	107	269074	207.87	ng	97
34) 2-Methylnaphthalene	5.89	142	221972	92.60	ng	# 19
35) Methylnaphthalenes (Total)	5.89	142	221972	92.60	ng	# 19
44) Diphenyl Ether	6.35	170	62480	27.15	ng	32
45) Acenaphthylene	7.03	152	122957	29.23	ng	# 1
49) 2,6-Dinitrotoluene	7.00	165	12263	16.28	ng	# 29
50) Acenaphthene	7.03	153	249214	97.97	ng	97

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

6M03626.D 6M\_0809.M

Mon Aug 22 16:09:01 2005

RPT1

Page 1

118225

8958

Data File : G:\GcMsData\2005\Gcms\_6\Data\08-09-05\6M03626.D Vial:  
 Acq On : 9 Aug 2005 13:38 Operator: AHD  
 Sample : SMB2614 (MS) Inst : gcms\_6  
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 9 14:31 2005

Quant Results File: 6M\_0809.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_6\METHODS\6M\_0809.M (RTE Integrator)  
 Title : @GCMS\_6,mg,625,8270  
 Last Update : Tue Aug 09 14:21:58 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 6M\_0809

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
54) 2,4-Dinitrotoluene	7.20	165	127163	126.77	ng	83
55) 4-Nitrophenol	7.12	65	144248	189.22	ng	92
63) n-Nitrosodiphenylamine	7.82	169	3410	1.47	ng	# 11
68) Pentachlorophenol	8.38	266	82437	193.96	ng	83
75) Pyrene	10.27	202	487982	93.10	ng	94

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

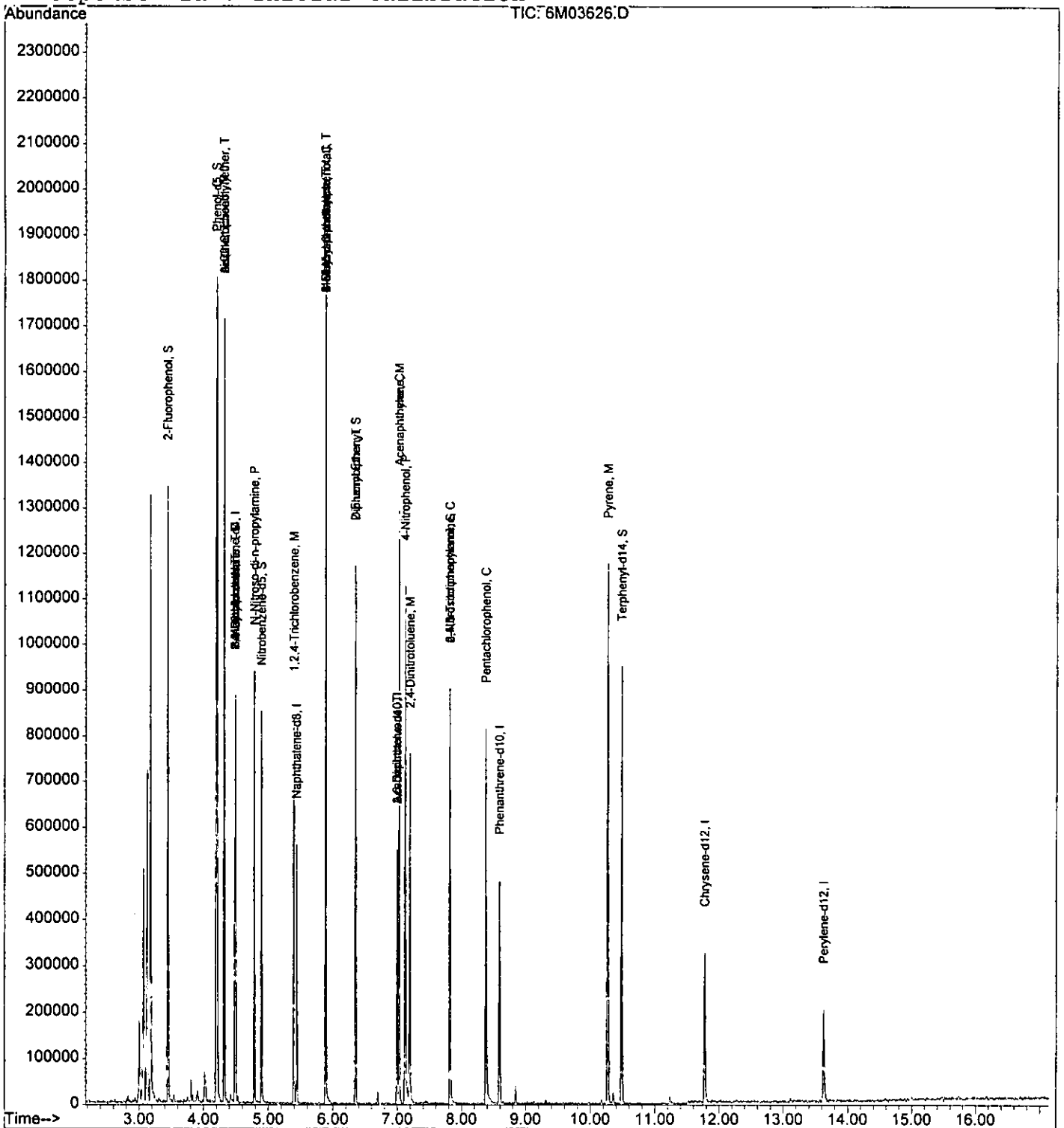
Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_6\Data\08-09-05\6M03626.D  
 Acq On : 9 Aug 2005 13:38  
 Sample : SMB2614 (MS)  
 Misc : S,BNA  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 9 14:31 2005

Vial: 7050  
 Operator: AHD  
 Inst : gcms\_6  
 Multiplr: 1.00

Quant Results File: 6M\_0809.RES

Method : G:\GCMSDATA\2005\GCMS\_6\METHODS\6M\_0809.M (RTE Integrator)  
 Title : @GCMS\_6,mg,625,8270  
 Last Update : Tue Aug 09 14:21:58 2005  
 Response via : Initial Calibration



50

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-08-05\5M09835.D Vial: 10  
 Acq On : 8 Aug 2005 9:46 Operator: AHD  
 Sample : WMB2634 (MS) Inst : GCMS\_5  
 Misc : A,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 8 11:10 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:58:10 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.10	152	27817	40.00	ng	-0.15
20) Naphthalene-d8	6.13	136	106597	40.00	ng	-0.15
36) Acenaphthene-d10	7.47	164	62674	40.00	ng	-0.17
61) Phenanthrene-d10	8.83	188	102710	40.00	ng	-0.20
77) Chrysene-d12	11.81	240	80333	40.00	ng	-0.22
88) Perylene-d12	13.39	264	62735	40.00	ng	-0.23

## System Monitoring Compounds

4) 2-Fluorophenol	3.77	112	108181	115.47	ng	-0.20
Spiked Amount	200.000		Recovery	=	57.74%	
8) Phenol-d5	4.80	99	110614	80.74	ng	-0.15
Spiked Amount	200.000		Recovery	=	40.37%	
21) Nitrobenzene-d5	5.57	128	38079	81.59	ng	-0.15
Spiked Amount	100.000		Recovery	=	81.59%	
41) 2-Fluorobiphenyl	6.94	172	114105	58.24	ng	-0.15
Spiked Amount	100.000		Recovery	=	58.24%	
64) 2,4,6-Tribromophenol	8.16	330	40167	182.73	ng	-0.19
Spiked Amount	200.000		Recovery	=	91.36%	
80) Terphenyl-d14	10.60	244	195621	103.08	ng	-0.21
Spiked Amount	100.000		Recovery	=	103.08%	

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) N-Nitrosodimethylamine	1.91	74	47005	66.63	ng	84
7) bis(2-Chloroethyl)ether	4.88	93	83416	84.75	ng	95
9) Phenol	4.81	94	61289	42.21	ng	97
10) 2-Chlorophenol	4.90	128	82886	75.21	ng	96
11) 1,3-Dichlorobenzene	5.04	146	66127	64.85	ng	100
12) 1,4-Dichlorobenzene	5.11	146	68874	66.00	ng	100
13) 1,2-Dichlorobenzene	5.23	146	69213	69.57	ng	98
15) bis(2-chloroisopropyl)ethe	5.35	45	137122	91.71	ng	97
16) 2-Methylphenol	5.34	108	77335	76.85	ng	99
17) Hexachloroethane	5.52	117	27523	63.59	ng	94
18) N-Nitroso-di-n-propylamine	5.46	70	68324	86.13	ng	97
19) 3&4-Methylphenol	5.47	108	79369	74.19	ng	99
22) Nitrobenzene	5.59	77	99203	94.76	ng	99
23) Isophorone	5.78	82	174589	89.60	ng	95
24) 2-Nitrophenol	5.84	139	48815	90.86	ng	91
25) 2,4-Dimethylphenol	5.89	107	89798	87.87	ng	95
26) Benzoic Acid	5.97	105	6931	11.81	ng	95
27) bis(2-Chloroethoxy)methane	5.97	93	108784	97.57	ng	99
28) 2,4-Dichlorophenol	6.03	162	72123	84.64	ng	97

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

5M09835.D 5M\_0722.M

Mon Aug 22 16:09:07 2005

RPT1

Page 1

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Data File : G:\GcMsData\2005\Gcms\_5\Data\08-08-05\5M09835.D Vial: 050  
 Acq On : 8 Aug 2005 9:46 Operator: AHD  
 Sample : WMB2634 (MS) Inst : GCMS\_5  
 Misc : A,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 8 11:10 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:58:10 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29) 1,2,4-Trichlorobenzene	6.09	180	72271	82.72	ng	98
30) Naphthalene	6.15	128	231870	83.01	ng	100
32) Hexachlorobutadiene	6.24	225	37106	77.02	ng	100
33) 4-Chloro-3-methylphenol	6.56	107	82899	88.10	ng	93
38) Hexachlorocyclopentadiene	6.78	237	38830	74.49	ng	97
39) 2,4,6-Trichlorophenol	6.87	196	53448	87.62	ng	99
40) 2,4,5-Trichlorophenol	6.90	196	56527	85.20	ng	97
42) 2-Chloronaphthalene	7.03	162	157305	88.79	ng	99
45) Diphenyl Ether	6.94	170	26206	22.39	ng	27
47) Acenaphthylene	7.35	152	249917	89.30	ng	100
48) Dimethylphthalate	7.26	163	190928	93.37	ng	99
49) 2,6-Dinitrotoluene	7.31	165	44235	93.92	ng	96
50) Acenaphthene	7.49	153	159522	92.15	ng	99
52) 2,4-Dinitrophenol	7.52	184	25223	87.04	ng	99
54) 2,4-Dinitrotoluene	7.63	165	59533	91.50	ng	97
55) 4-Nitrophenol	7.58	65	20473	50.02	ng	97
57) Fluorene	7.94	166	181770	89.54	ng	99
58) 4-Chlorophenyl-phenylether	7.94	204	86271	87.42	ng	98
59) Diethylphthalate	7.85	149	184689	88.13	ng	98
60) 4-Nitroaniline	7.94	138	2411	4.04	ng	33
62) 4,6-Dinitro-2-methylphenol	7.99	198	37407	94.73	ng	100
63) n-Nitrosodiphenylamine	8.05	169	128923	91.05	ng	99
65) 1,2-Diphenylhydrazine	8.09	77	207509	102.70	ng	99
66) 4-Bromophenyl-phenylether	8.40	248	48996	93.03	ng	95
67) Hexachlorobenzene	8.44	284	45477	91.47	ng	92
69) Pentachlorophenol	8.64	266	32208	98.82	ng	94
70) Phenanthrene	8.86	178	291563	98.43	ng	98
71) Anthracene	8.91	178	288615	95.87	ng	98
74) Di-n-butylphthalate	9.49	149	330428	99.28	ng	100
76) Fluoranthene	10.14	202	315701	97.76	ng	98
78) Pyrene	10.39	202	327236	101.71	ng	99
79) Benzidine	10.31	184	73143	61.57	ng	98
82) Butylbenzylphthalate	11.21	149	154783	109.31	ng	91
83) Methoxychlor	11.84	227	27971	18.94	ng	98
84) 3,3'-Dichlorobenzidine	11.80	252	94424	102.10	ng	98
85) Benzo[a]anthracene	11.80	228	279851	94.75	ng	99
86) Chrysene	11.84	228	252382	93.16	ng	99
87) bis(2-Ethylhexyl)phthalate	11.93	149	203689	104.10	ng	98
89) Di-n-octylphthalate	12.68	149	353682	102.96	ng	100
90) Benzo[b]fluoranthene	13.00	252	236755	95.58	ng	98
91) Benzo[k]fluoranthene	13.03	252	218675	87.22	ng	96

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

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-08-05\5M09835.D Vial: 10  
 Acq On : 8 Aug 2005 9:46 Operator: AHD  
 Sample : WMB2634 (MS) Inst : GCMS\_5  
 Misc : A,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P  
 Quant Time: Aug 8 11:10 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:58:10 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92) Benzo[a]pyrene	13.33	252	223500	95.88	ng	99
93) Indeno[1,2,3-cd]pyrene	14.42	276	245042	97.03	ng	93
94) Dibenzo[a,h]anthracene	14.44	278	197732	94.34	ng	97
95) Benzo[g,h,i]perylene	14.69	276	189275	89.61	ng	93

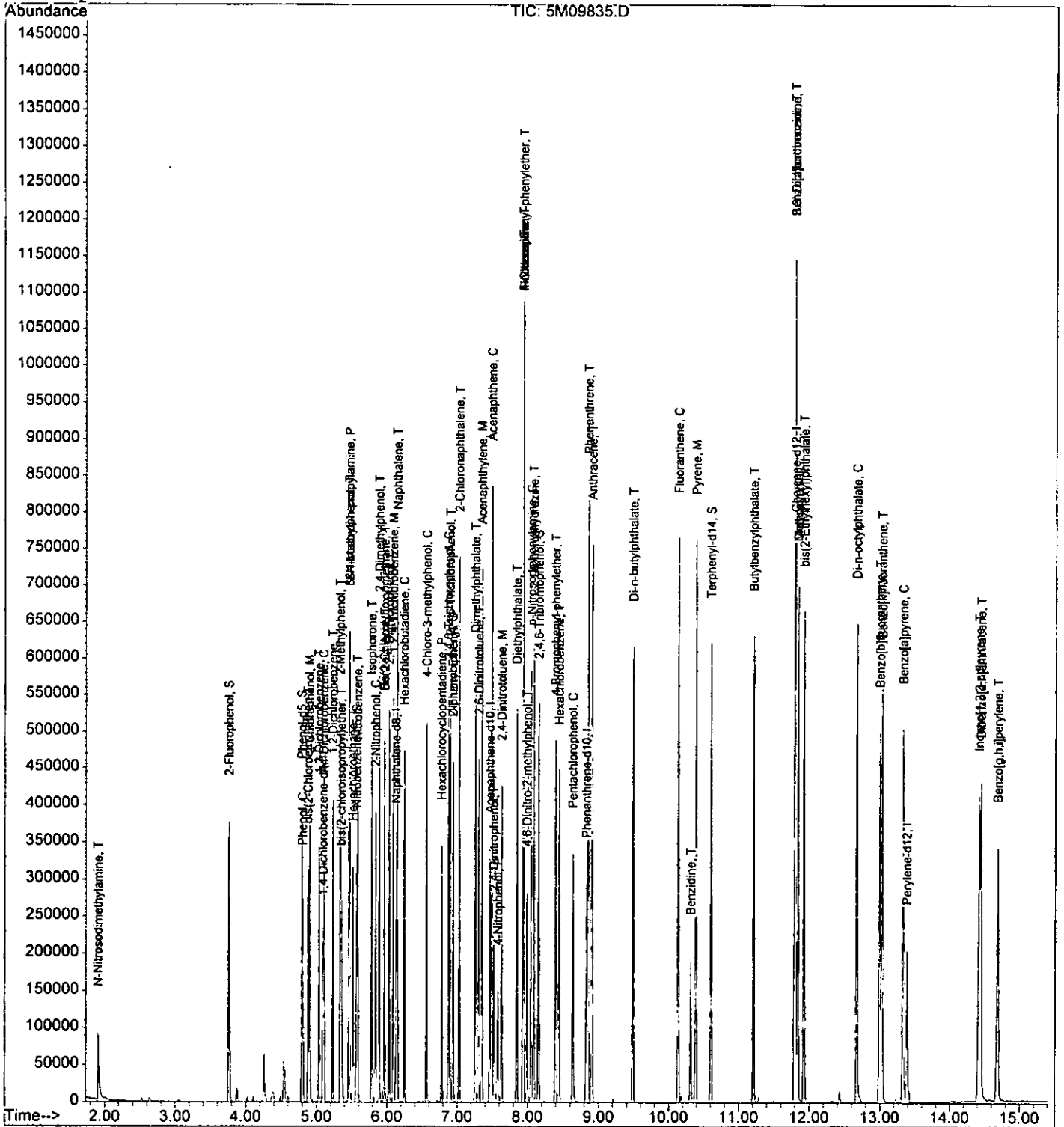
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Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-08-05\5M09835.D Vial: 150  
Acq On : 8 Aug 2005 9:46 Operator: AHD  
Sample : WMB2634 (MS) Inst : GCMS\_5  
Misc : A,BNA Multiplr: 1.00  
MS Integration Params: RTEINT.P  
Quant Time: Aug 8 11:10 2005

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
Title : @GCMS\_5,mg,625,8270  
Last Update : Fri Jul 22 11:19:45 2005  
Response via : Initial Calibration







Data File : G:\GcMsData\2005\Gcms\_5\Data\08-10-05\5M09916.D Vial: 1050  
 Acq On : 10 Aug 2005 8:47 Operator: AHD  
 Sample : SMB2617(MS) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 10 10:33 2005 Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	30752	40.00	ng	-0.17
20) Naphthalene-d8	6.12	136	120936	40.00	ng	-0.16
36) Acenaphthene-d10	7.45	164	66109	40.00	ng	-0.19
61) Phenanthrene-d10	8.81	188	114577	40.00	ng	-0.22
77) Chrysene-d12	11.78	240	89005	40.00	ng	-0.26
88) Perylene-d12	13.37	264	69379	40.00	ng	-0.25

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	3.75	112	190024	183.46	ng	-0.21
Spiked Amount				200.000		
Recovery						91.73%
8) Phenol-d5	4.79	99	247132	163.17	ng	-0.16
Spiked Amount				200.000		
Recovery						81.58%
21) Nitrobenzene-d5	5.55	128	44950	84.89	ng	-0.16
Spiked Amount				100.000		
Recovery						84.89%
41) 2-Fluorobiphenyl	6.93	172	195149	94.44	ng	-0.16
Spiked Amount				100.000		
Recovery						94.44%
64) 2,4,6-Tribromophenol	8.14	330	45229	184.45	ng	-0.21
Spiked Amount				200.000		
Recovery						92.22%
80) Terphenyl-d14	10.59	244	198250	94.28	ng	-0.22
Spiked Amount				100.000		
Recovery						94.28%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Phenol	4.80	94	256758	159.95	ng	96
10) 2-Chlorophenol	4.89	128	197151	161.81	ng	97
11) 1,3-Dichlorobenzene	5.10	146	101079	89.66	ng	99
12) 1,4-Dichlorobenzene	5.10	146	101079	87.62	ng	99
13) 1,2-Dichlorobenzene	5.10	146	101079	91.90	ng	98
18) N-Nitroso-di-n-propylamine	5.44	70	76703	87.46	ng	98
23) Isophorone	5.55	82	101552	45.94	ng	60
29) 1,2,4-Trichlorobenzene	6.07	180	85879	86.64	ng	98
33) 4-Chloro-3-methylphenol	6.55	107	177983	166.72	ng	98
45) Diphenyl Ether	6.93	170	44037	35.67	ng	26
49) 2,6-Dinitrotoluene	7.45	165	8606	17.32	ng	29
50) Acenaphthene	7.48	153	166659	91.27	ng	99
54) 2,4-Dinitrotoluene	7.62	165	65820	95.90	ng	92
55) 4-Nitrophenol	7.57	65	80852	187.26	ng	95
57) Fluorene	8.14	166	3617	1.69	ng	86
69) Pentachlorophenol	8.62	266	70899	194.99	ng	93
78) Pyrene	10.37	202	354020	99.31	ng	98

*MSB*

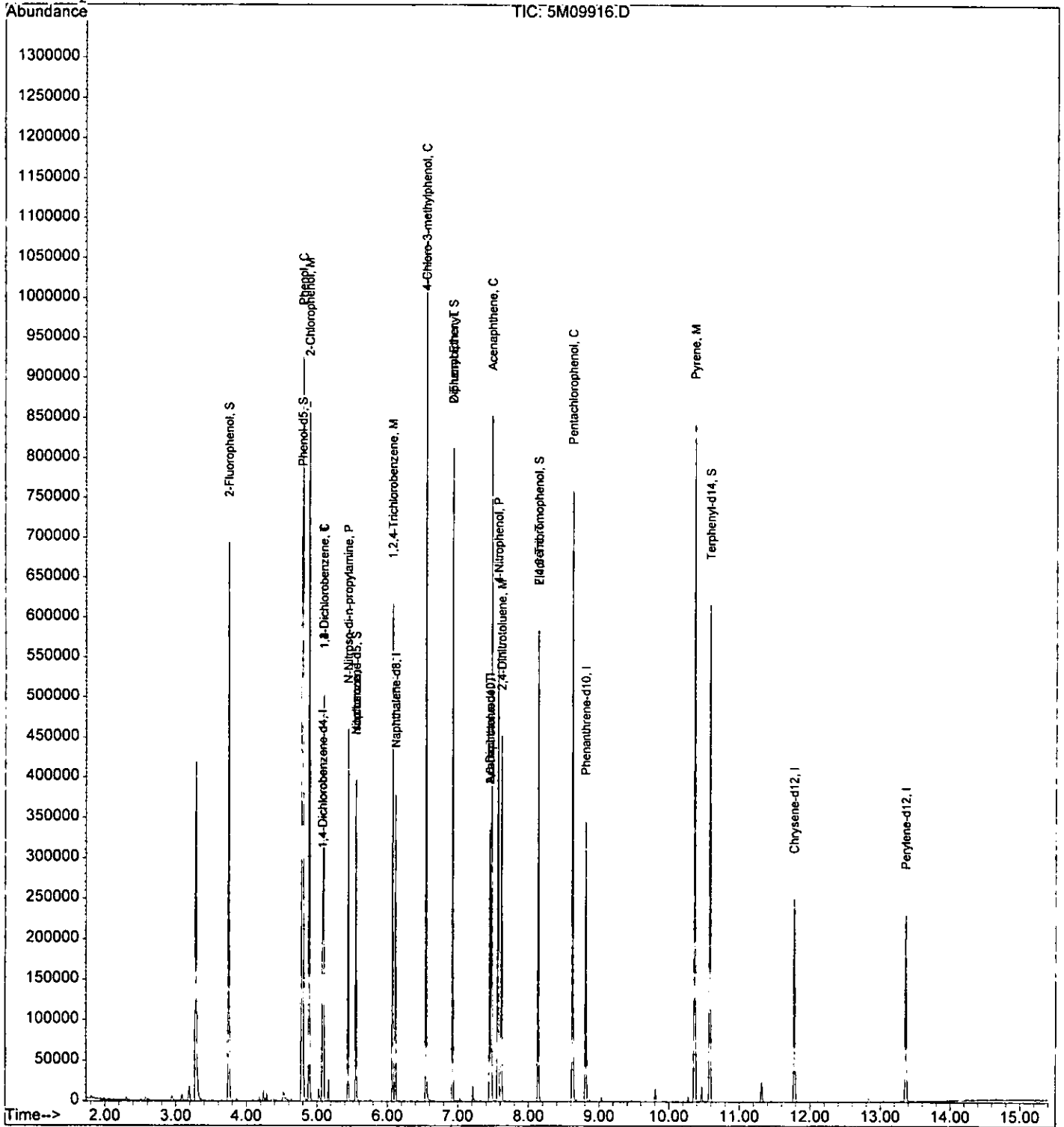
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-10-05\5M09916.D Vial: 168  
 Acq On : 10 Aug 2005 8:47 Operator: AHD  
 Sample : SMB2617(MS) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 10 10:33 2005

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration



Data File : G:\GcMsData\2005\Gcms\_5\Data\08-10-05\5M09918.D Vial: 0015  
 Acq On : 10 Aug 2005 9:30 Operator: AHD5  
 Sample : AC18955-003 (MS) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Aug 10 10:34 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	31075	40.00	ng	-0.17
20) Naphthalene-d8	6.12	136	119240	40.00	ng	-0.16
36) Acenaphthene-d10	7.45	164	66135	40.00	ng	-0.19
61) Phenanthrene-d10	8.81	188	108867	40.00	ng	-0.22
77) Chrysene-d12	11.78	240	83474	40.00	ng	-0.26
88) Perylene-d12	13.37	264	61961	40.00	ng	-0.25

## System Monitoring Compounds

4) 2-Fluorophenol	3.75	112	183591	175.41	ng	-0.21
Spiked Amount	200.000		Recovery	=	87.71%	
8) Phenol-d5	4.79	99	238090	155.57	ng	-0.16
Spiked Amount	200.000		Recovery	=	77.79%	
21) Nitrobenzene-d5	5.55	128	44453	85.15	ng	-0.16
Spiked Amount	100.000		Recovery	=	85.15%	
41) 2-Fluorobiphenyl	6.93	172	183077	88.56	ng	-0.16
Spiked Amount	100.000		Recovery	=	88.56%	
64) 2,4,6-Tribromophenol	8.14	330	41927	179.95	ng	-0.21
Spiked Amount	200.000		Recovery	=	89.97%	
80) Terphenyl-d14	10.58	244	175695	89.09	ng	-0.23
Spiked Amount	100.000		Recovery	=	89.09%	

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Phenol	4.80	94	263160	162.23	ng	96
10) 2-Chlorophenol	4.89	128	192326	156.21	ng	97
11) 1,3-Dichlorobenzene	5.10	146	105790	92.86	ng	98
12) 1,4-Dichlorobenzene	5.10	146	105790	90.75	ng	97
13) 1,2-Dichlorobenzene	5.10	146	105790	95.18	ng	99
18) N-Nitroso-di-n-propylamine	5.44	70	77936	87.94	ng	97
23) Isophorone	5.55	82	102230	46.90	ng	60
29) 1,2,4-Trichlorobenzene	6.07	180	91509	93.64	ng	97
33) 4-Chloro-3-methylphenol	6.55	107	173114	164.46	ng	98
45) Diphenyl Ether	6.93	170	41726	33.78	ng	27
49) 2,6-Dinitrotoluene	7.45	165	8464	17.03	ng	29
50) Acenaphthene	7.48	153	168842	92.43	ng	99
54) 2,4-Dinitrotoluene	7.62	165	62996	91.75	ng	94
55) 4-Nitrophenol	7.57	65	80994	187.51	ng	96
57) Fluorene	8.14	166	3486	1.63	ng	86
69) Pentachlorophenol	8.62	266	64881	187.80	ng	91
78) Pyrene	10.37	202	338621	101.29	ng	98

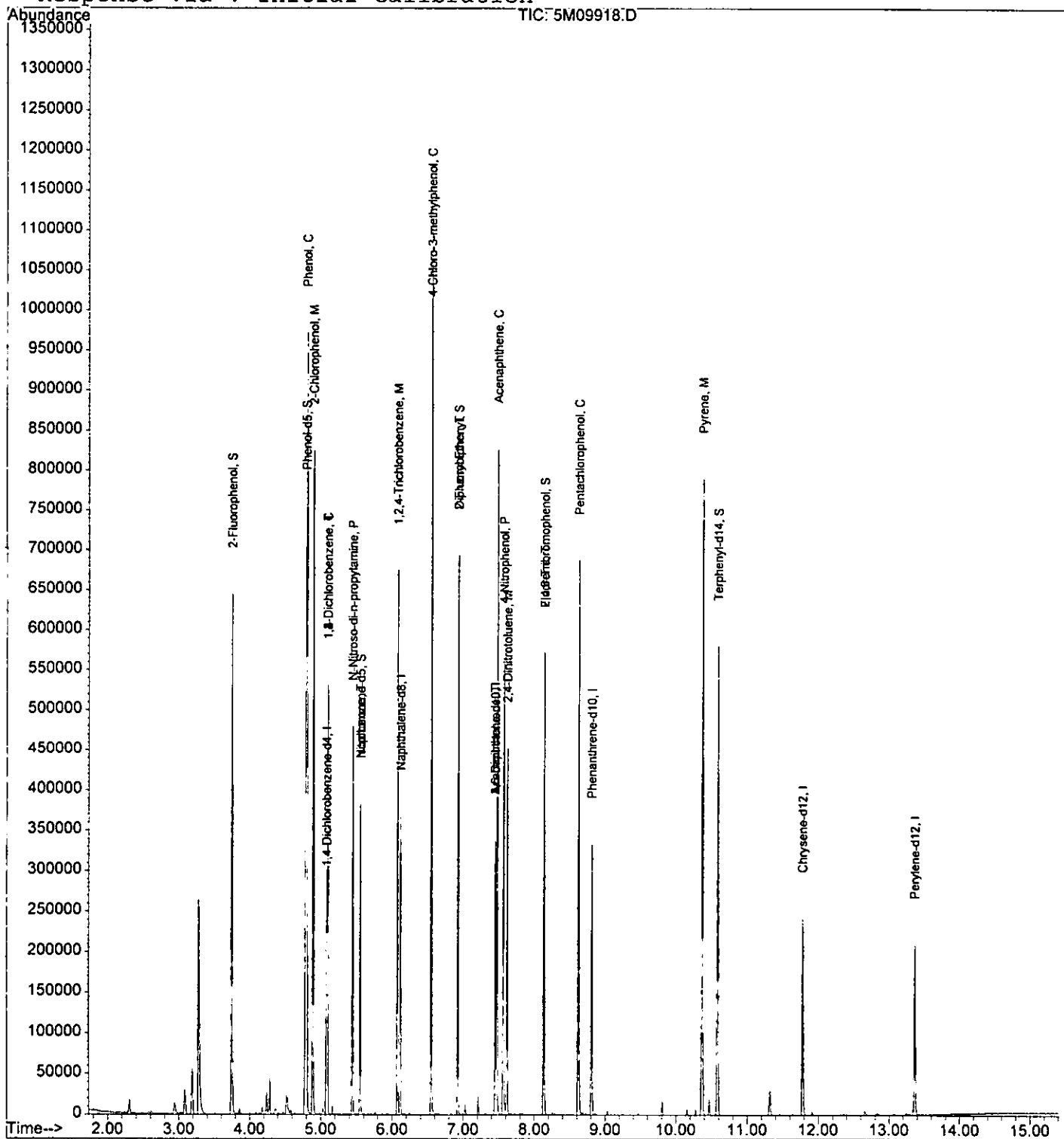
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-10-05\5M09918.D Vial: 5193  
 Acq On : 10 Aug 2005 9:30 Operator: AHD  
 Sample : AC18955-003 (MS) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 10 10:34 2005

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration



Data File : G:\GcMsData\2005\Gcms\_5\Data\08-10-05\5M09919.D Vial: 8517  
 Acq On : 10 Aug 2005 9:52 Operator: AHD  
 Sample : AC18955-003 (MSD) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 10 10:34 2005 Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	30290	40.00	ng	-0.17
20) Naphthalene-d8	6.12	136	113102	40.00	ng	-0.16
36) Acenaphthene-d10	7.45	164	60801	40.00	ng	-0.19
61) Phenanthrene-d10	8.81	188	104933	40.00	ng	-0.22
77) Chrysene-d12	11.78	240	79466	40.00	ng	-0.26
88) Perylene-d12	13.37	264	57472	40.00	ng	-0.25

## System Monitoring Compounds

4) 2-Fluorophenol	3.75	112	179924	176.36	ng	-0.21
Spiked Amount	200.000		Recovery	=	88.18%	
8) Phenol-d5	4.79	99	235162	157.64	ng	-0.16
Spiked Amount	200.000		Recovery	=	78.82%	
21) Nitrobenzene-d5	5.55	128	41974	84.76	ng	-0.16
Spiked Amount	100.000		Recovery	=	84.76%	
41) 2-Fluorobiphenyl	6.93	172	176002	92.61	ng	-0.16
Spiked Amount	100.000		Recovery	=	92.61%	
64) 2,4,6-Tribromophenol	8.14	330	39728	176.90	ng	-0.21
Spiked Amount	200.000		Recovery	=	88.45%	
80) Terphenyl-d14	10.59	244	165403	88.10	ng	-0.22
Spiked Amount	100.000		Recovery	=	88.10%	

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Phenol	4.80	94	250937	158.70	ng	96
10) 2-Chlorophenol	4.89	128	182981	152.47	ng	96
11) 1,3-Dichlorobenzene	5.10	146	103049	92.80	ng	99
12) 1,4-Dichlorobenzene	5.10	146	103049	90.69	ng	100
13) 1,2-Dichlorobenzene	5.10	146	103049	95.12	ng	98
18) N-Nitroso-di-n-propylamine	5.44	70	71532	82.81	ng	95
23) Isophorone	5.55	82	96038	46.45	ng	60
29) 1,2,4-Trichlorobenzene	6.07	180	84522	91.18	ng	97
33) 4-Chloro-3-methylphenol	6.55	107	165279	165.54	ng	99
45) Diphenyl Ether	6.93	170	39324	34.63	ng	26
49) 2,6-Dinitrotoluene	7.45	165	7780	17.03	ng	29
50) Acenaphthene	7.48	153	164604	98.02	ng	98
54) 2,4-Dinitrotoluene	7.62	165	61751	97.83	ng	91
55) 4-Nitrophenol	7.57	65	73905	186.11	ng	96
57) Fluorene	8.14	166	3156	1.60	ng	91
69) Pentachlorophenol	8.62	266	51984	156.11	ng	94
78) Pyrene	10.37	202	311326	97.82	ng	97

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





Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09962.D Vial: 148  
 Acq On : 11 Aug 2005 11:11 Operator: AHD  
 Sample : SMB2620(MS) Inst : GCMS  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 11 14:08 2005

Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.07	152	25016	40.00	ng	-0.18
20) Naphthalene-d8	6.11	136	94776	40.00	ng	-0.17
36) Acenaphthene-d10	7.44	164	53687	40.00	ng	-0.20
61) Phenanthrene-d10	8.80	188	89792	40.00	ng	-0.22
77) Chrysene-d12	11.77	240	61417	40.00	ng	-0.26
88) Perylene-d12	13.35	264	47844	40.00	ng	-0.26

## System Monitoring Compounds

4) 2-Fluorophenol	3.74	112	151131	179.37	ng	-0.22
Spiked Amount	200.000		Recovery	=	89.69%	
8) Phenol-d5	4.78	99	200936	163.09	ng	-0.17
Spiked Amount	200.000		Recovery	=	81.55%	
21) Nitrobenzene-d5	5.54	128	36754	88.57	ng	-0.18
Spiked Amount	100.000		Recovery	=	88.57%	
41) 2-Fluorobiphenyl	6.92	172	152355	90.79	ng	-0.18
Spiked Amount	100.000		Recovery	=	90.79%	
64) 2,4,6-Tribromophenol	8.13	330	35239	183.37	ng	-0.21
Spiked Amount	200.000		Recovery	=	91.69%	
80) Terphenyl-d14	10.58	244	144517	99.60	ng	-0.23
Spiked Amount	100.000		Recovery	=	99.60%	

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Phenol	4.80	94	215907	165.34	ng	97
10) 2-Chlorophenol	4.88	128	156639	158.04	ng	92
11) 1,3-Dichlorobenzene	5.08	146	84417	92.05	ng	98
12) 1,4-Dichlorobenzene	5.08	146	84417	89.95	ng	99
13) 1,2-Dichlorobenzene	5.08	146	84417	94.35	ng	97
18) N-Nitroso-di-n-propylamine	5.44	70	63687	89.27	ng	96
23) Isophorone	5.54	82	84639	48.85	ng	60
29) 1,2,4-Trichlorobenzene	6.07	180	70308	90.51	ng	98
33) 4-Chloro-3-methylphenol	6.54	107	145547	173.96	ng	97
45) Diphenyl Ether	6.92	170	34027	33.94	ng	27
49) 2,6-Dinitrotoluene	7.44	165	6979	17.30	ng	29
50) Acenaphthene	7.47	153	142129	95.85	ng	98
54) 2,4-Dinitrotoluene	7.61	165	53407	95.82	ng	92
55) 4-Nitrophenol	7.56	65	61912	176.57	ng	88
57) Fluorene	8.13	166	2719	1.56	ng	86
69) Pentachlorophenol	8.62	266	43241	151.75	ng	94
78) Pyrene	10.36	202	268351	109.10	ng	99

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



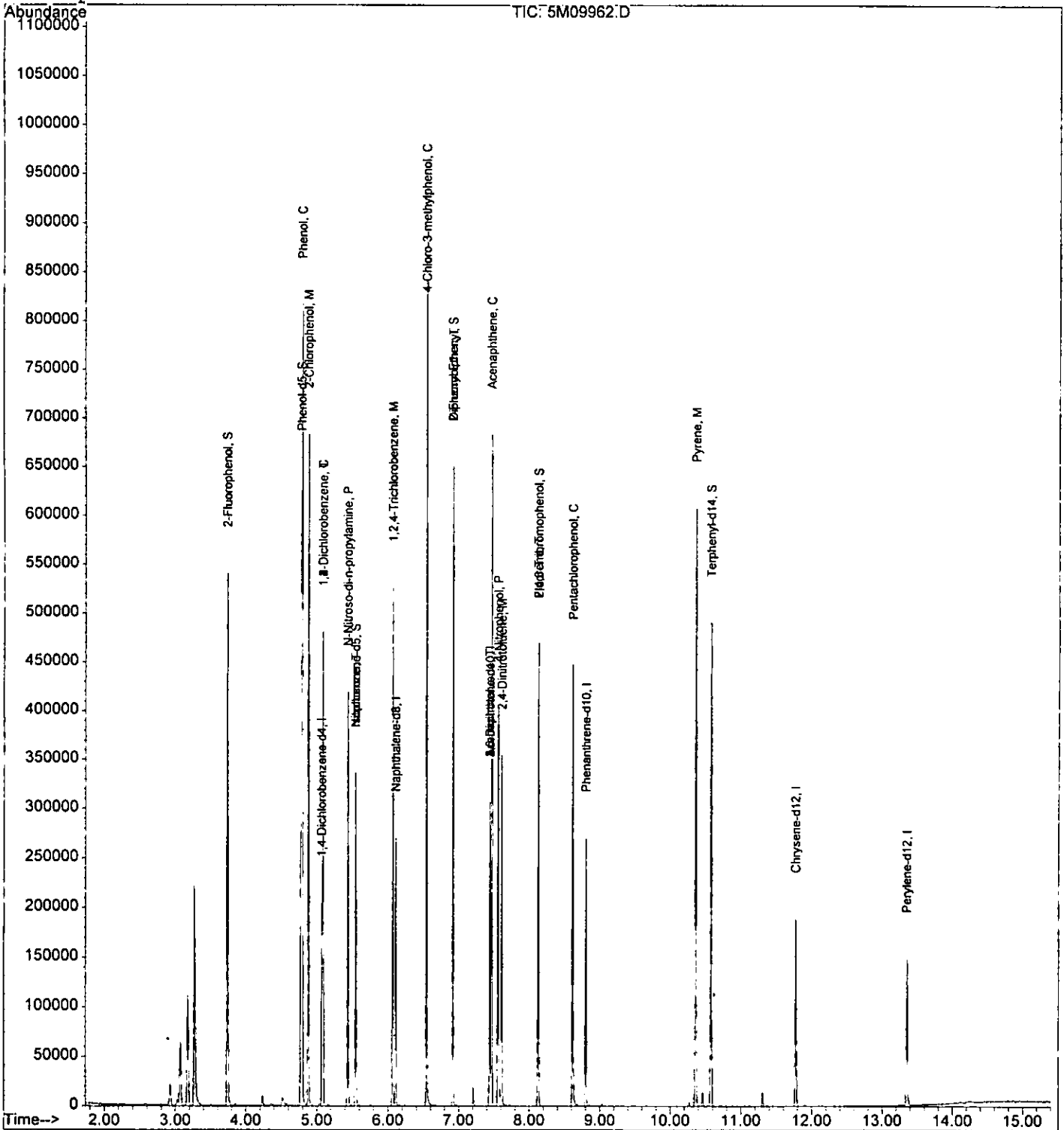
Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09962.D  
 Acq On : 11 Aug 2005 11:11  
 Sample : SMB2620 (MS)  
 Misc : S,BNA  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 11 14:08 2005

Vial: 1250  
 Operator: AHD  
 Inst : GCMS\_5  
 Multiplr: 1.00

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration



Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09963.D Vial: 18  
 Acq On : 11 Aug 2005 11:33 Operator: AHD  
 Sample : AC18873-011(MS:AC18873-012) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 16 15:39 2005 Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.07	152	9087	40.00	ng	-0.18
20) Naphthalene-d8	6.11	136	32543	40.00	ng	-0.18
36) Acenaphthene-d10	7.44	164	17972	40.00	ng	-0.20
61) Phenanthrene-d10	8.80	188	29583	40.00	ng	-0.22
77) Chrysene-d12	11.77	240	22757	40.00	ng	-0.26
88) Perylene-d12	13.35	264	16878	40.00	ng	-0.26

## System Monitoring Compounds

4) 2-Fluorophenol	3.74	112	46563	152.14	ng	-0.22	
Spiked Amount	200.000		Recovery	=	76.07%		
8) Phenol-d5	4.77	99	59541	133.04	ng	-0.18	
Spiked Amount	200.000		Recovery	=	66.52%		
21) Nitrobenzene-d5	5.54	128	11470	80.50	ng	-0.18	
Spiked Amount	100.000		Recovery	=	80.50%		
41) 2-Fluorobiphenyl	6.92	172	48441	86.23	ng	-0.18	
Spiked Amount	100.000		Recovery	=	86.23%		
64) 2,4,6-Tribromophenol	8.13	330	11175	176.50	ng	-0.21	
Spiked Amount	200.000		Recovery	=	88.25%		
80) Terphenyl-d14	10.58	244	46019	85.60	ng	-0.23	
Spiked Amount	100.000		Recovery	=	85.60%		

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Phenol	4.79	94	65174	137.40	ng	95
10) 2-Chlorophenol	4.88	128	48692	135.24	ng	93
12) 1,4-Dichlorobenzene	5.08	146	27216	79.84	ng	97
18) N-Nitroso-di-n-propylamine	5.43	70	18382	70.93	ng	96
29) 1,2,4-Trichlorobenzene	6.07	180	22637	84.87	ng	97
33) 4-Chloro-3-methylphenol	6.54	107	45543	158.53	ng	94
50) Acenaphthene	7.47	153	42772	86.17	ng	100
54) 2,4-Dinitrotoluene	7.61	165	15553	83.36	ng	96
55) 4-Nitrophenol	7.55	65	17957	152.98	ng	87
69) Pentachlorophenol	8.62	266	16722	178.12	ng	93
78) Pyrene	10.36	202	84035	92.20	ng	100
92) Benzo[a]pyrene	13.38	252	746	1.19	ng	87

*L918*

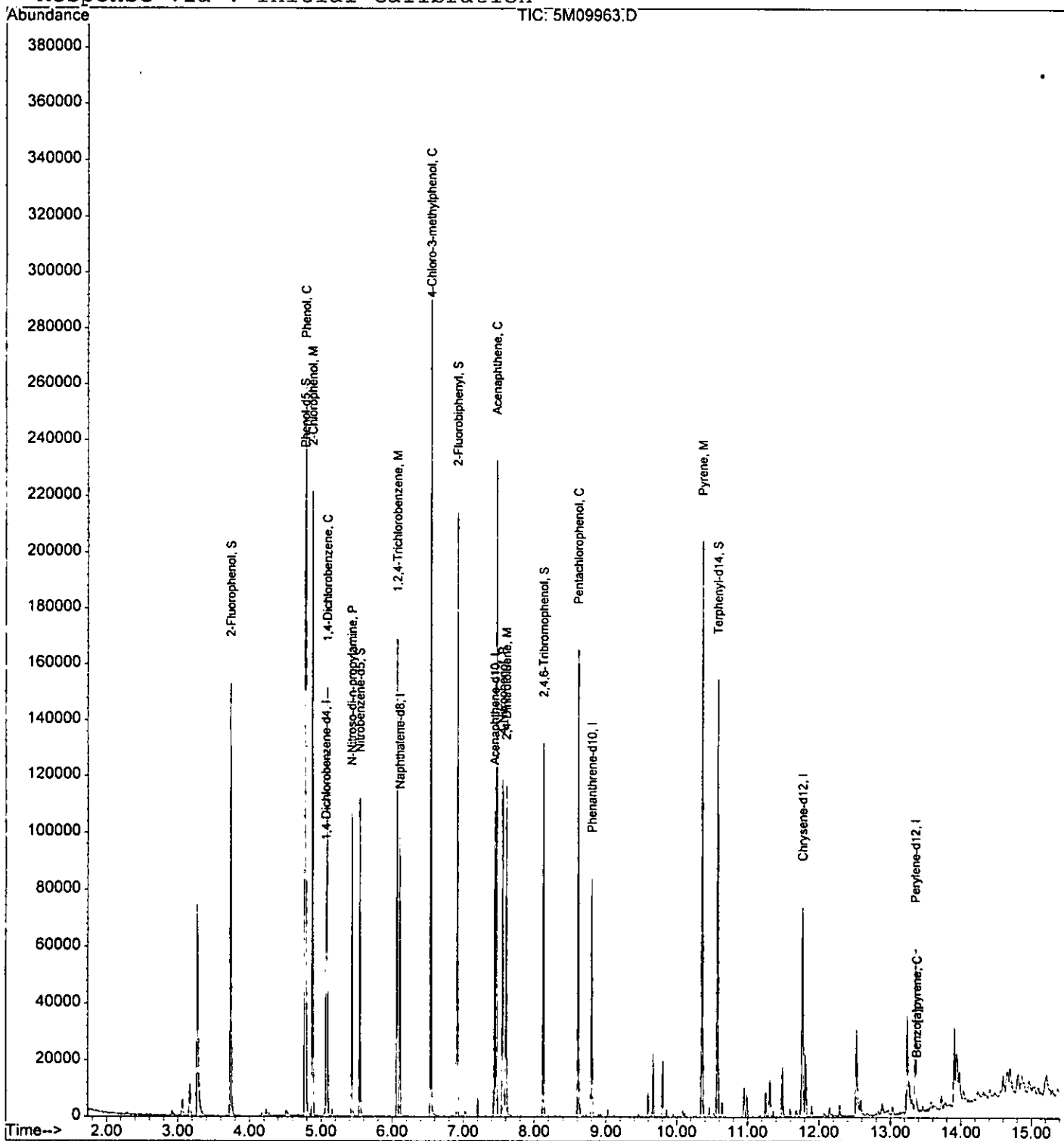
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09963.D Vial: 2750  
 Acq On : 11 Aug 2005 11:33 Operator: AHD  
 Sample : AC18873-011 (MS:AC18873-012) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 16 15:39 2005

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration



Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09964.D Vial: 16  
 Acq On : 11 Aug 2005 11:54 Operator: AHD  
 Sample : AC18873-013 (MSD:AC18873-012) Inst : GCMS\_5  
 Misc : S,BNA Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 16 15:40 2005 Quant Results File: 5M\_0722.RES

Quant Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5M\_RUN5

Internal Standards	R.T.	QI on	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	5.07	152	25596	40.00	ng	-0.18
20) Naphthalene-d8	6.11	136	100238	40.00	ng	-0.17
36) Acenaphthene-d10	7.44	164	53515	40.00	ng	-0.20
61) Phenanthrene-d10	8.80	188	86284	40.00	ng	-0.22
77) Chrysene-d12	11.77	240	69829	40.00	ng	-0.26
88) Perylene-d12	13.35	264	50501	40.00	ng	-0.26
System Monitoring Compounds						
4) 2-Fluorophenol	3.74	112	147836	171.48	ng	-0.22
Spiked Amount	200.000		Recovery	=	85.74%	
8) Phenol-d5	4.78	99	195817	155.34	ng	-0.17
Spiked Amount	200.000		Recovery	=	77.67%	
21) Nitrobenzene-d5	5.54	128	36284	82.67	ng	-0.18
Spiked Amount	100.000		Recovery	=	82.67%	
41) 2-Fluorobiphenyl	6.92	172	151641	90.65	ng	-0.18
Spiked Amount	100.000		Recovery	=	90.65%	
64) 2,4,6-Tribromophenol	8.13	330	34393	186.25	ng	-0.21
Spiked Amount	200.000		Recovery	=	93.13%	
80) Terphenyl-d14	10.58	244	138596	84.01	ng	-0.23
Spiked Amount	100.000		Recovery	=	84.01%	
Target Compounds						Qvalue
9) Phenol	4.80	94	206124	154.27	ng	93
10) 2-Chlorophenol	4.88	128	156679	154.50	ng	94
12) 1,4-Dichlorobenzene	5.08	146	79897	83.21	ng	99
18) N-Nitroso-di-n-propylamine	5.44	70	57450	78.70	ng	97
29) 1,2,4-Trichlorobenzene	6.07	180	68190	83.00	ng	100
33) 4-Chloro-3-methylphenol	6.54	107	135239	152.83	ng	97
50) Acenaphthene	7.47	153	136392	92.28	ng	99
54) 2,4-Dinitrotoluene	7.61	165	49338	88.81	ng	88
55) 4-Nitrophenol	7.56	65	60077	171.89	ng	88
69) Pentachlorophenol	8.62	266	52719	192.54	ng	95
78) Pyrene	10.36	202	242152	86.59	ng	99
87) bis(2-Ethylhexyl)phthalate	11.90	149	2697	1.59	ng	83
92) Benzo[a]pyrene	13.38	252	2244	1.20	ng	77

18185

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

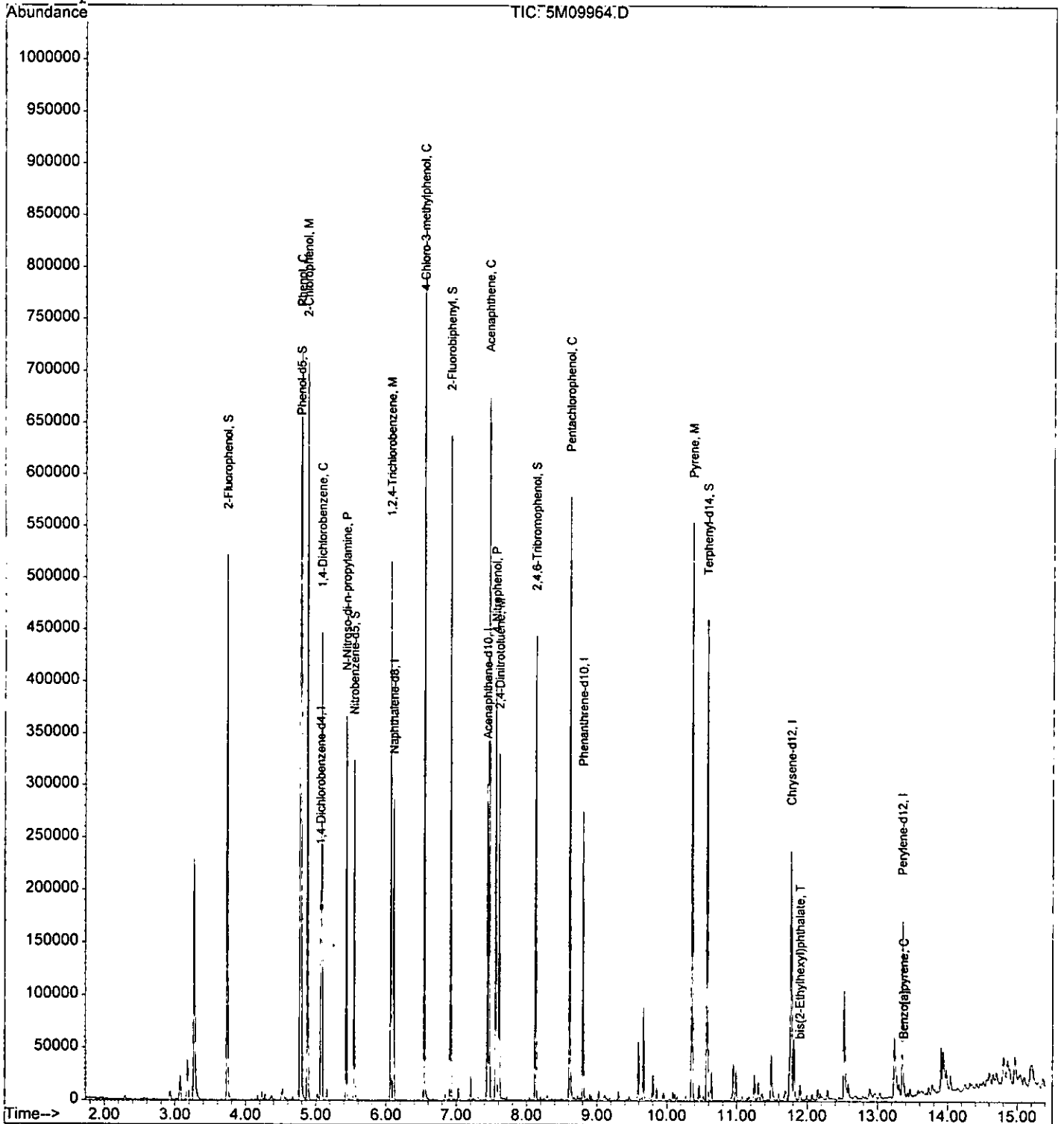
Quantitation Report

Data File : G:\GcMsData\2005\Gcms\_5\Data\08-11-05\5M09964.D  
 Acq On : 11 Aug 2005 11:54  
 Sample : AC18873-013 (MSD:AC18873-012)  
 Misc : S,BNA  
 MS Integration Params: RTEINT.P  
 Quant Time: Aug 16 15:40 2005

Vial: 1025  
 Operator: AHD  
 Inst : GCMS\_5  
 Multiplr: 1.00

Quant Results File: 5M\_0722.RES

Method : G:\GCMSDATA\2005\GCMS\_5\METHODS\5M\_0722.M (RTE Integrator)  
 Title : @GCMS\_5,mg,625,8270  
 Last Update : Fri Jul 22 11:19:45 2005  
 Response via : Initial Calibration



**GC/MS Semi-Volatile Data  
Extraction/Logbook Data**

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	LP End Cal	BlkFile
5M09384	CAL DFTPP								07/22 08:08					
5M09385	CAL BNA@50PPM				Aqueou	1	1	625 8270	07/22 08:30	5M09385				
09386	CAL BNA@10PPM				Aqueou	1	1	625 8270	07/22 08:53	5M09385				
09387	CAL BNA@25PPM				Aqueou	1	1	625 8270	07/22 09:16	5M09385				
5M09388	CAL BNA@80PPM				Aqueou	1	1	625 8270	07/22 09:39	5M09385				
5M09389	CAL BNA@120PPM				Aqueou	1	1	625 8270	07/22 10:01	5M09385				
5M09390	CAL BNA@160PPM	Oc			Aqueou	1	1	625 8270	07/22 10:24	5M09385				
5M09391	CAL BNA@200PPM	Oc			Aqueou	1	1	625 8270	07/22 10:47	5M09385				
5M09392	AC18716-003			BNPAH-8270	Aqueou	1	1	8270	07/22 11:29	5M09385		5M09385		
5M09393	AC18623-013(R)			BN15-625	Aqueou	1	1	625	07/22 11:52	5M09385	5M09385	5M09385		
5M09394	AC18669-004(T)			BNATCLP-82	Aqueou	1	1	8270	07/22 12:15	5M09385		5M09385		
5M09395	WMB2620				Aqueou	1	1	625 8270	07/22 12:38	5M09385	5M09385	5M09385		
5M09396	AC18716-001			BNPAH-8270	Soil	1	1	8270	07/22 13:00	5M09385		5M09385		
5M09397	AC18716-002			BNPAH-8270	Soil	1	1	8270	07/22 13:23	5M09385		5M09385		
5M09398	WMB2620(MS)	M18b	WMB2620		Aqueou	1	1	625 8270	07/22 13:46	5M09385	5M09385	5M09385		
5M09399	AC18623-007(R)	Sb6		BN15-625	Aqueou	1	1	625	07/22 14:09	5M09385	5M09385	5M09385		
5M09400	WMB2621				Aqueou	1	1	625 8270	07/22 14:32	5M09385	5M09385	5M09385		
5M09401	WMB2621(MS)	M18a	WMB2621		Aqueou	1	1	625 8270	07/22 14:55	5M09385	5M09385	5M09385		
5M09402	AC18667-001		WMB2620	BNA-625	Aqueou	1	1	625	07/22 15:18	5M09385	5M09385	5M09385		
5M09403	AC18667-001(MS)	M16bM18aM18b	WMB2620	BNA-625	Aqueou	1	1	625 8270	07/22 15:41	5M09385	5M09385	5M09385		
5M09404	AC18667-001(MSD)	M18aM18b	WMB2620	BNA-625	Aqueou	1	1	625 8270	07/22 16:04	5M09385	5M09385	5M09385		
5M09405	SMB2594				Soil	1	1	8270	07/22 16:27	5M09385		5M09385		
5M09406	SMB2594(MS)	OcM18aM18b	SMB2594		Soil	1	1	8270	07/22 16:50	5M09385		5M09385		
5M09407	AC18689-002		SMB2594	BNPAH-8270	Soil	1	1	8270	07/22 17:13	5M09385		5M09385		
5M09408	AC18689-002(MS)	OcM18aM18b	SMB2594	BNPAH-8270	Soil	1	1	8270	07/22 17:36	5M09385		5M09385		
5M09409	AC18689-002(MSD)	OcM18b	SMB2594	BNPAH-8270	Soil	1	1	8270	07/22 17:59	5M09385		5M09385		
5M09410	AC18689-007			BNA25-8270	Soil	1	1	8270	07/22 18:22	5M09385		5M09385		
5M09411	AC18475-001(T)	Oc	RESX	BNATCLP-82	Aqueou	1	1	8270	07/22 18:46	5M09385		5M09385		
5M09412	EF2V4993				Aqueou	1	1	8270	07/22 19:09	5M09385		5M09385		
5M09413	AC18681-001(5X)			BNSTAR2-82	Aqueou	5	5	8270	07/22 19:31	5M09385		5M09385		
5M09414	AC18657-001			BN15-625	Aqueou	1	1	625	07/22 19:54	5M09385	5M09385	5M09385		
5M09415	AC18666-001			BNA-625	Aqueou	1	1	625	07/22 20:17	5M09385	5M09385	5M09385		
5M09416	AC18691-001			BN15-625	Aqueou	1	1	625	07/22 20:40	5M09385	5M09385	5M09385		
5M09417	AC18698-005			BN15-625	Aqueou	1	1	625	07/22 21:03	5M09385	5M09385	5M09385		
5M09418	AC18661-001(R)			BN15-625	Aqueou	1	1	625	07/22 21:26	5M09385	5M09385	5M09385		
5M09419	AC18711-001			BN15-625	Aqueou	1	1	625	07/22 21:49	5M09385	5M09385	5M09385		

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Fm	Solvent Extraction Date Missing/Not check'd	R16 R26	Rnd Out on MSMSd (col1 and/or col2) 8000 series
R6m	Blank 8000 series missing	Ein	Trin/Solvent Extraction Date Missing/Not check'd	R18 R28	Rnd Out on MSMSd (col1 and/or col2) 8000 series
R8m	Blank 8000 series missing	Ein	Trin Extraction Performed Outside of Hold	Re	Retention Time Out Or %Diff Out
Rnf	Blank Not Found/Assumed	Ev	Eval Time Exceeded	Rtn	Can't Calculate Diff
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	S6	8000 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hc	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 8000 series failed Column 1 and/or 2	Sa6 Sb6	Acid and/or BN Surrogate Out (8000 series)
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	Sa8 Sb8	Surrogate Diluted Out
	8000 series sample/blank did not have passing cal	Ik	Initial Cal Not Checked	Sd	Surrogate Not Checked
C8f	8000 series sample/blank did not have passing cal	lv	Prmb with calcol csv for int calibration check rfs	Snc	Outside of 8000 series Tune time
Cma	Ending Cal missing for sample (8000 series)	lw	Initial cal warning: int cal file <> method	T15	Outside of 8000 series Tune time/Cal Time
Cn	Calibration Not Checked for sample/blank/eval	lx	Initial Cal Files Not Uploaded Properly for a sample	T6	Outside of 8000 series Tune time/Cal Time
D1n D2n	Out 1 Out Column 1 or Column 2 Cals or Init Cals	M16 M26	Strike Out Col 1 and/or Col 2 8000 series	T8	Too Many Samples for beginning Calibration
Dnc	Out 1 Not Checked	M16a M16b	Strike Out Col 1 8000 series Acid and/or BN	Tm	Tune File Failed
Dn	Out 2 Not Checked	M18 M28	Strike Out Col 1 and/or Col 2 8000 series	Tmw	Tune File Failed
Fba	An Extraction Before Collecting Date	M18a M18b	Strike Out Col 1 8000 series Acid and/or BN	Tn	Tune File Failed
Fm	Problem Checking Preinjection matchcheck/preinject	Mnc	Strike Not Checked for this method	Tp	Tune File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	W6	Warning: Instrument ID not in TstLoc field

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Dil	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	8000 End Cal	BlkFile
4M05295	CAL DFTPP									08/03 06:21					
4M05296	5297 CAL DFTPP		TnlsCnSnc Not Quant'd							08/03 08:09					
4M05298			TnlsCnSnc Not Quant'd												
4M05299	CAL BNA@50PPM				Soil	1	1		625 8270	08/03 08:52		4M05299			
4M05300	CAL BNA@10PPM				Soil	1	1		625 8270	08/03 09:19		4M05299			
4M05301	CAL BNA@25PPM				Soil	1	1		625 8270	08/03 09:43		4M05299			
4M05302	CAL BNA@80PPM				Soil	1	1		625 8270	08/03 10:07		4M05299			
4M05303	CAL BNA@120PPM				Soil	1	1		625 8270	08/03 10:31		4M05299			
4M05304	CAL BNA@160PPM	Oc			Soil	1	1		625 8270	08/03 10:55		4M05299			
4M05305	CAL BNA@200PPM	Oc			Soil	1	1		625 8270	08/03 11:19		4M05299			
4M05306	SMB2606	Ao	RR		Soil	1	1		8270	08/03 11:43		4M05299		4M05299	
4M05307	AC18819-004			BNA25-8270	Soil	1	1		8270	08/03 12:06		4M05299		4M05299	
4M05308	AC18819-006			BNA25-8270	Soil	1	1		8270	08/03 12:30		4M05299		4M05299	
4M05309	AC18819-012			BNA25-8270	Soil	1	1		8270	08/03 12:54		4M05299		4M05299	
4M05310	AC18819-018			BNA25-8270	Soil	1	1		8270	08/03 13:18		4M05299		4M05299	
4M05311	SMB2606		O.K.		Soil	1	1		8270	08/03 13:42		4M05299		4M05299	
4M05312	SMB2605(MS)	M18b	SMB2605		Soil	1	1		8270	08/03 14:06		4M05299		4M05299	
4M05313	AC18819-008(MS)	AoMnc	RR SMB2605	BNA25-8270	Soil	1	1		8270	08/03 14:30		4M05299		4M05299	
4M05314	AC18819-008(MSD)	Mnc	SMB2605	BNA25-8270	Soil	1	1		8270	08/03 14:54		4M05299		4M05299	
4M05315	AC18802-004			BNA25-8270	Soil	1	1		8270	08/03 15:18		4M05299		4M05299	
4M05316	AC18802-006			BNA25-8270	Soil	1	1		8270	08/03 15:41		4M05299		4M05299	
4M05317	AC18853-002			BNA25-8270	Soil	1	1		8270	08/03 16:05		4M05299		4M05299	
4M05318	AC18853-003			BNA25-8270	Soil	1	1		8270	08/03 16:29		4M05299		4M05299	
4M05319	AC18853-004			BNA25-8270	Soil	1	1		8270	08/03 16:53		4M05299		4M05299	
4M05320	AC18808-001	Ao	O.K.	BNA-8270	Soil	1	1		8270	08/03 17:17		4M05299		4M05299	
4M05321	AC18802-002	Ao	RR	BNA25-8270	Soil	1	1		8270	08/03 17:42		4M05299		4M05299	
4M05322	AC18802-005			BNA25-8270	Soil	1	1		8270	08/03 18:06		4M05299		4M05299	
4M05323	AC18852-001	Ao	O.K.	BNPAH-8270	Soil	1	1		8270	08/03 18:30		4M05299		4M05299	
4M05324	AC18853-001	Ao	RR	BNA25-8270	Soil	1	1		8270	08/03 18:54		4M05299		4M05299	
4M05325	AC18847-001			BN-8270	Soil	1	1		8270	08/03 19:18		4M05299		4M05299	
4M05326	AC18802-001	Ao	RR	BNA25-8270	Soil	1	1		8270	08/03 19:42		4M05299		4M05299	
4M05327	AC18786-013	Ao	O.K.	BNA25-8270	Soil	1	1		8270	08/03 20:06		4M05299		4M05299	
4M05328	AC18786-014	Ti8Ao	RR	BNA25-8270	Soil	1	1		8270	08/03 20:30		4M05299		4M05299	
4M05329	AC18796-007	Ti8	l	BNA-8270	Soil	1	1		8270	08/03 20:54		4M05299		4M05299	

Abc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Abn	Area Out	Escn	Solvent Extraction Date Missing/Not check'd	R18 R26	Ret Out on MsMsd (col1) and/or col2) 8000 series
B5m	Blank 8000 series missing	Fin	ToluSolvent Extraction Date Missing/Not check'd	R18 R28	Ret Out on MsMsd (col1) and/or col2) 8000 series
B5n	Blank Not Found/Assigned	Fv	Triu Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
C16	Calibration Column 1 Out (8000 Series)	Hb	Event Time Exceeded	Rtn	Can't Calculate DnH
	Calibration Column 2 Out (8000 Series)	Ho	Analysis Before Collection Date	SB	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I18 I28	Sample Analyzed outside of hold time	S6 S8	8000 series surrogate out
	8000 series sample/blank did not have passing cal	I5	Initial cal 600 series failed Column 1 and/or 2	S8 S18	Acid and/or BN Surrogate Out (8000 series)
	8000 series sample/blank did not have passing cal	Iv	Initial cal 8000 series failed Column 1 and/or 2	S8 S18	Acid and/or BN Surrogate Out (8000 series)
C8f	Initial Cal Not Checked	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
Cme	Print with calml csv for int calibration check rfs	Iv	Print with calml csv for int calibration check rfs	Snc	Surrogate Not Checked
Ca	Initial cal warning ini cal file <> method	Iw	Initial cal warning ini cal file <> method	T15	Outside of 500 series Tune time
D1a D2n	Calibration Not Checked for sample/blank/eval	Iz	Initial Cal Files Not Updated Properly for a sample	T16	Outside of 8000 series Tune time/Cal Time
Dnc	Drift Out Column 1 or Column 2 Calc or Init Calc	M18 M26	Spoke Out Col 1 and/or Col 2 600 series	T18	Outside of 8000 series Tune time/Cal Time
Do	Drift Out	M18a M16h	Spoke Out Col 1 8000 series Acid and/or BN	Tm	Too Many Samples for beginning Calibration
Eba	An Extraction Before Collection Date	M18 M28	Spoke Out Col 1 and/or Col 2 8000 series	Tmw	If for 600 ser. Too many samples begin Calibration
Ebn	Problem Checking Prep/updates mod/checks/ground	M18a M18b	Spoke Out Col 1 8000 series Acid and/or BN	Tn	Tune Not Checked
En	Eval Time Not Checked	Mnc	Spoke Not Checked for this ms/msd	Tn	Tune File Failed
		Oc	Warning Compound(s) Over Calibration	Wie	Warning... Instrument Id not in TxtLoc field



# RUN LOG

Instrument: GCMS\_5 Year: 2005  
Analyst: AHD

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	8000 End Cal	BlkFile
5M09826	CAL DFTPP								08/08 06:23					
5M09827	CAL BNA@50PPM				Aqueou	1	1	625 8270	08/08 06:40	5M09385				
	19828. WMB2633				Aqueou	1	1	625 8270	08/08 07:15	5M09385	5M09827	5M09827		
5M09829	WMB2634				Aqueou	1	1	625 8270	08/08 07:36	5M09385	5M09827	5M09827		
5M09830	SMB2613				Soil	1	1	8270	08/08 07:58	5M09385		5M09827		
5M09831	SMB2613(MS)		SMB2613		Soil	1	1	8270	08/08 08:19	5M09385		5M09827		
5M09832	AC18807-021		SMB2613	BNA-8270	Soil	1	1	8270	08/08 08:41	5M09385		5M09827		
5M09833	AC18807-021(MS)		SMB2613	BNA-8270	Soil	1	1	8270	08/08 09:02	5M09385		5M09827		
5M09834	AC18807-021(MSD)		SMB2613	BNA-8270	Soil	1	1	8270	08/08 09:24	5M09385		5M09827		
5M09835	WMB2634(MS)		WMB2634		Aqueou	1	1	625 8270	08/08 09:46	5M09385	5M09827	5M09827		
5M09836	AC18892-001		WMB2634	BN-8270	Aqueou	1	1	8270	08/08 10:07	5M09385		5M09827		
5M09837	AC18892-001(MS)		WMB2634	BN-8270	Aqueou	1	1	625 8270	08/08 10:29	5M09385	5M09827	5M09827		
5M09838	AC18892-001(MSD)		WMB2634	BN-8270	Aqueou	1	1	625 8270	08/08 10:51	5M09385	5M09827	5M09827		
5M09839	AC18778-017			BNA-8270	Soil	1	1	8270	08/08 11:12	5M09385		5M09827		
5M09840	AC18807-001			BNA-8270	Soil	1	1	8270	08/08 11:34	5M09385		5M09827		
5M09841	AC18888-001			BNA25-8270	Aqueou	1	1	8270	08/08 11:56	5M09385		5M09827		
5M09842	AC18892-002			BN-8270	Aqueou	1	1	8270	08/08 12:17	5M09385		5M09827		
5M09843	AC18892-003			BN-8270	Aqueou	1	1	8270	08/08 12:39	5M09385		5M09827		
5M09844	AC18873-014			BNA-8270	Aqueou	1	1	8270	08/08 13:01	5M09385		5M09827		
5M09845	AC18778-022			BNA-8270	Soil	1	1	8270	08/08 13:23	5M09385		5M09827		
5M09846	AC18778-023			BNA-8270	Soil	1	1	8270	08/08 13:44	5M09385		5M09827		
5M09847	AC18807-024			BNA-8270	Soil	1	1	8270	08/08 14:06	5M09385		5M09827		
5M09848	AC18807-025			BNA-8270	Soil	1	1	8270	08/08 14:28	5M09385		5M09827		
5M09849	AC18807-017			BNA-8270	Soil	1	1	8270	08/08 14:50	5M09385		5M09827		
5M09850	AC18807-018			BNA-8270	Soil	1	1	8270	08/08 15:11	5M09385		5M09827		
5M09851	AC18807-020			BNA-8270	Soil	1	1	8270	08/08 15:33	5M09385		5M09827		
5M09852	AC18778-018			BNA-8270	Soil	1	1	8270	08/08 15:55	5M09385		5M09827		
5M09853	AC18884-004	Sa6Sa8	ou hole	ERROR	Aqueou	1	1	625 8270	08/08 16:16	5M09385	5M09827	5M09827		
5M09854	SMB2614				Soil	1	1	8270	08/08 16:38	5M09385		5M09827		
5M09855	AC18873-017				Soil	1	1	8270	08/08 17:00	5M09385		5M09827		
5M09856	AC18830-001				Soil	1	1	8270	08/08 17:21	5M09385		5M09827		
5M09857	AC18845-002				Soil	1	1	8270	08/08 17:43	5M09385		5M09827		
5M09858	AC18939-001				Soil	1	1	8270	08/08 18:04	5M09385		5M09827		
5M09859	AC18845-004	Ti8	PR		Soil	1	1	8270	08/08 18:26	5M09385		5M09827		
5M09860	AC18882-001				Aqueou	1	1	625	08/08 18:47	5M09385	5M09827	5M09827		
5M09861	AC18882-002				Aqueou	1	1	625	08/08 19:09	5M09385	5M09827	5M09827		
5M09862	AC18884-001				Aqueou	1	1	625	08/08 19:30	5M09385	5M09827	5M09827		
5M09863	AC18884-002				Aqueou	1	1	625	08/08 19:51	5M09385	5M09827	5M09827		
5M09864	AC18884-003				Aqueou	1	1	625	08/08 20:13	5M09385	5M09827	5M09827		
5M09865	AC18866-001				Aqueou	1	1	625	08/08 20:34	5M09385	5M09827	5M09827		
5M09866	AC18866-002				Aqueou	1	1	625	08/08 20:55	5M09385	5M09827	5M09827		
5M09867	CH2CL2(#1)	Ti8			Aqueou	1	1	625 8270	08/08 21:17	5M09385	5M09827	5M09827		
5M09868	CH2CL2(#2)	Ti8			Aqueou	1	1	625 8270	08/08 21:38	5M09385	5M09827	5M09827		

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Estm	Solvent Extraction Date Missing/Not check'd	R18 R28	Ret Out on MsMst (col1) and/or col2) 8000 series
B6m	Blank 600 series missing	Ein	Totl/Solvent Extraction Date Missing/Not check'd	R18 R28	Ret Out on MsMst (col1) and/or col2) 8000 series
B8m	Blank 8000 series missing	Ein	Totl Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Actioned	Ev	Eval Time Expanded	Rtn	Can't Calculate DnH
C1A	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	S6	800 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (800 Series)	I18 I28	Initial cal 600 series failed Column 1 and/or 2	Sa6 Sb6	Acid and/or BN Surrogate Out (600 series)
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	Sa8 Sb8	Acid and/or BN Surrogate Out (8000 series)
	8000 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Srl	Surrogate Diluted Out
	8000 series sample/blank did not have passing cal	Iv	Pmb with calret csv for int calibration chck rfs	Snc	Surrogate Not Checked
Cme	Fortion Cal missing for sample (8000 series)	Iw	Initial cal warning: Ini cal file <> method	Ti5	Outside of 500 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	Iz	Initial Cal Files Not Unloaded Properly for a sample	Ti6	Outside of 600 series Tune time/Cal Time
D1n D2n	Diff Out Column 1 or Column 2 Cals or Int Cals	M16 M28	Spkz Out Col 1 and/or Col 2 600 series	Ti8	Outside of 8000 series Tune time/Cal Time
Der	Derf Not Checked	M16a M18b	Spkz Out Col 1 600 series Acid and/or BN	Tm	Too Many Samples for Injection Calibration
Di	Diff Out	M18 M28	Spkz Out Col 1 and/or Col 2 8000 series	Tmw	!!! for 800 ser. Too many samples begin Calibration
Ebs	Err Extraction Before Collection Date	M18a M18b	Spkz Out Col 1 8000 series Acid and/or BN	Tn	Tune Not Checked
Ems	Problem Checking Prep/instrates mod/check/reports	Mnc	Spkz Not Checked for this ms/mst	Tn	Tune File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Wie	Warning Instrument Id not in TxtLoc field

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	8000 End Cal	BlkFile
4M05425	CAL DFTPP								08/08 06:40					
4M05426	CAL BNA@50PPM	C16			Soil	1	1	625 8270	08/08 06:59	4M05299				
4M05427	J5427 SMB2613(MS)	M18b	O.K. SMB2613		Soil	1	1	8270	08/08 07:22	4M05299		4M05426		
4M05428	SMB2613				Soil	1	1	8270	08/08 07:49	4M05299		4M05426		
4M05429	AC18920-001			BNA25-8270	Soil	1	1	8270	08/08 08:13	4M05299		4M05426		
4M05430	AC18920-002			BNPAH-8270	Soil	1	1	8270	08/08 08:36	4M05299		4M05426		
4M05431	AC18920-003	Ao	O.K.	BNPAH-8270	Soil	1	1	8270	08/08 09:00	4M05299		4M05426		
4M05432	AC18778-024			BNA-8270	Soil	1	1	8270	08/08 09:24	4M05299		4M05426		
4M05433	AC18807-019			BNA-8270	Soil	1	1	8270	08/08 09:48	4M05299		4M05426		
4M05434	AC18820-001			BN-8270	Soil	1	1	8270	08/08 10:12	4M05299		4M05426		
4M05435	AC18807-023(5X)			BNA-8270	Soil	5	5	8270	08/08 10:36	4M05299		4M05426		
4M05436	AC18820-003(5X)			BN-8270	Soil	5	5	8270	08/08 11:00	4M05299		4M05426		
4M05437	AC18820-004(5X)			BN-8270	Soil	5	5	8270	08/08 11:24	4M05299		4M05426		
4M05438	AC18820-002(3X)			BN-8270	Soil	3	3	8270	08/08 11:47	4M05299		4M05426		
4M05439	AC18806-001(20X)	Sd		BNPAH-8270	Soil	60	20	8270	08/08 12:11	4M05299		4M05426		
4M05440	AC18778-021	Ao	O.K.	BNA-8270	Soil	1	1	8270	08/08 12:35	4M05299		4M05426		
4M05441	AC18807-015			BNA-8270	Soil	1	1	8270	08/08 12:59	4M05299		4M05426		
4M05442	AC18807-016			BNA-8270	Soil	1	1	8270	08/08 13:23	4M05299		4M05426		
4M05443	AC18778-004(5X)			BNA-8270	Soil	5	5	8270	08/08 13:47	4M05299		4M05426		
4M05444	AC18778-016(5X)			BNA-8270	Soil	5	5	8270	08/08 14:11	4M05299		4M05426		
4M05445	AC18778-019(5X)			BNA-8270	Soil	5	5	8270	08/08 14:35	4M05299		4M05426		
4M05446	AC18778-013			BNA-8270	Soil	1	1	8270	08/08 14:59	4M05299		4M05426		
4M05447	AC18778-001			BNA-8270	Soil	1	1	8270	08/08 15:23	4M05299		4M05426		
4M05448	AC18778-007			BNA-8270	Soil	1	1	8270	08/08 15:47	4M05299		4M05426		
4M05449	AC18807-022			BNA-8270	Soil	1	1	8270	08/08 16:11	4M05299		4M05426		
4M05450	AC18820-003			BN-8270	Soil	1	1	8270	08/08 16:35	4M05299		4M05426		
4M05451	AC18820-004	Ao	O.K.	BN-8270	Soil	1	1	8270	08/08 16:59	4M05299		4M05426		
4M05452	AC18820-002			BN-8270	Soil	1	1	8270	08/08 17:22	4M05299		4M05426		
4M05453	AC18806-001(10X)	Sd		BNPAH-8270	Soil	30	10	8270	08/08 17:46	4M05299		4M05426		
4M05454	AC18873-016	Ao	O.K.	BNA-8270	Soil	1	1	8270	08/08 18:10	4M05299		4M05426		
4M05455	TEST	Ao			Soil	1	1	8270	08/08 18:34	4M05299		4M05426		
4M05456	TEST	Ti8Ao			Soil	1	1	8270	08/08 18:58	4M05299		4M05426		
4M05457	TEST	Ti8Ao			Soil	1	1	8270	08/08 19:22	4M05299		4M05426		
4M05458	TEST	Ti8Ao			Soil	1	1	8270	08/08 19:45	4M05299		4M05426		
4M05459	TEST	Ti8Ao			Soil	1	1	8270	08/08 20:09	4M05299		4M05426		
4M05460	TEST	Ti8Ao			Soil	1	1	8270	08/08 20:33	4M05299		4M05426		

Ans	Area Not Checked	En	Extraction Performed Post Hold	Cn	Warning Possible Carry Over
As	Area Out	Estm	Solvent Extraction Date Missing/Not checked	R18 R26	Rnd Out on Method (col1 and/or col2) 800 series
B6m	Blank 600 series missing	Ein	Trin/Solvent Extraction Date Missing/Not checked	R18 R28	Rnd Out on Method (col1 and/or col2) 8000 series
B8m	Blank 8000 series missing	Eln	Trin Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate Drift
C16	Calibration Column 1 Out (8000 Series)	Hh	Analysis Before Collection Date	S6	600 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 800 series failed Column 1 and/or 2	Sa6 Sb6	Acid and/or BN Surrogate Out (800 series)
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	Sa8 Sb8	Acid and/or BN Surrogate Out (8000 series)
	800 series sample/blank did not have passin cal	Ik	Initial Cal Not Checked	Sr	Surrogate Diluted Out
	8000 series sample/blank did not have passin cal	lv	Prin with calnot csv for int calibration check rts	Snc	Surrogate Not Checked
Cm	Endion Cal missing for sample (8000 series)	lw	Initial cal warning. Ini cal file <= method	T15	Outside of 500 series Time time
Cn	Calibration Not Checked for sample/blank/eval	lx	Initial Cal Files Not Updated Properly for a sample	T16	Outside of 600 series Time time/Cal Time
D1n D2n	Drift Out Column 1 or Column 2 Cals or Int Cals	M16 M26	Spike Out Col 1 and/or Col 2 600 series	T18	Outside of 8000 series Time time/Cal Time
Dnr	Drift Not Checked	M16a M18b	Spoke Out Col 1 800 series Acid and/or BN	Tm	Too Many Samples for the beginning Calibration
Dn	Drift Out	M18 M28	Spoke Out Col 1 and/or Col 2 8000 series	Tmw	If for 600 see Too many samples begin Calibration
Fba	An Fractionation Before Collection Date	M18a M18b	Spoke Out Col 1 8000 series Acid and/or BN	Tn	Time Not Checked
Fbn	Problem Checking Precedentates method/checkground	Mnc	Spoke Not Checked for this method	Tp	Time File Failed
En	Eval Time Not Checked	OC	Warning Compound(s) Over Calibration	Wfe	Warning Instrument Id not in TxtLoc field

# RUN LOG

Instrument: gcms\_6 Year: 2005

Analysis: AHD

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	8000 End Cal	BlkFile
6M03615	CAL DFTPP	To							08/09 09:01					
6M03616	CAL DFTPP								08/09 09:41					
6M03617		TnlsCnSnc	Not Quant'd											
6M03618		TnlsCnSnc	Not Quant'd											
6M03619	CAL BNA@50PPM				Soil	1	1	625 8270	08/09 10:52		6M03619			
6M03620	CAL BNA@10PPM				Soil	1	1	625 8270	08/09 11:16		6M03619			
6M03621	CAL BNA@25PPM				Soil	1	1	625 8270	08/09 11:40		6M03619			
6M03622	CAL BNA@80PPM				Soil	1	1	625 8270	08/09 12:04		6M03619			
6M03623	CAL BNA@120PPM	Oc			Soil	1	1	625 8270	08/09 12:27		6M03619			
6M03624	CAL BNA@160PPM	Oc			Soil	1	1	625 8270	08/09 12:51		6M03619			
6M03625	CAL BNA@200PPM	Oc			Soil	1	1	625 8270	08/09 13:15		6M03619			
6M03626	SMB2614(MS)	OcM18aM18b	SMB2614		Soil	1	1	8270	08/09 13:38		6M03619	6M03619		
6M03627	SMB2615				Soil	1	1	8270	08/09 14:02		6M03619	6M03619		
6M03628	SMB2614				Soil	1	1	8270	08/09 14:26		6M03619	6M03619		
6M03629	SMB2617				Soil	1	1	8270	08/09 14:50		6M03619	6M03619		
6M03630	AC18873-012			BNA-8270	Soil	1	1	8270	08/09 15:13		6M03619	6M03619		
6M03631	AC18873-011(MS;AC Sb8AoOcMnc			BNA-8270	Soil	1	1	8270	08/09 15:37		6M03619	6M03619		
6M03632	AC18873-013(MSD;AQAoMnc			BNA-8270	Soil	1	1	8270	08/09 16:01		6M03619	6M03619		
6M03633	AC18873-007			BNA-8270	Soil	1	1	8270	08/09 16:24		6M03619	6M03619		
6M03634	AC18873-008	Ao	OK	BNA-8270	Soil	1	1	8270	08/09 16:48		6M03619	6M03619		
6M03635	AC18873-009	Ao		BNA-8270	Soil	1	1	8270	08/09 17:12		6M03619	6M03619		
6M03636	AC18873-003	Ao	↓	BNA-8270	Soil	1	1	8270	08/09 17:35		6M03619	6M03619		
6M03637	AC18830-015			BN15-8270	Soil	1	1	8270	08/09 17:59		6M03619	6M03619		
6M03638	AC18830-016			BN15-8270	Soil	1	1	8270	08/09 18:23		6M03619	6M03619		
6M03639	AC18825-004			BNA25-8270	Soil	1	1	8270	08/09 18:46		6M03619	6M03619		
6M03640	AC18845-007	Sb8AoOc	RR 10x	BN15-8270	Soil	1	1	8270	08/09 19:10		6M03619	6M03619		
6M03641	AC18845-010	Sb8AoOc	RR 90x	BN15-8270	Soil	1	1	8270	08/09 19:34		6M03619	6M03619		
6M03642	AC18845-012	Sb8AoOc	RR 10x	BN15-8270	Soil	1	1	8270	08/09 19:57		6M03619	6M03619		
6M03643	AC18825-003			BNPAH-8270	Soil	1	1	8270	08/09 20:21		6M03619	6M03619		
6M03644	AC18873-020			BNA-8270	Soil	1	1	8270	08/09 20:45		6M03619	6M03619		
6M03645	AC18955-001	Ao	LL	BNSTAR2-82	Soil	1	1	8270	08/09 21:08		6M03619	6M03619		
6M03646	AC18984-002			BNSTAR2-82	Soil	1	1	8270	08/09 21:32		6M03619	6M03619		
6M03647	AC18984-003	Ti8	LL	BNSTAR2-82	Soil	1	1	8270	08/09 21:56		6M03619	6M03619		
6M03648	AC18984-006	Ti8	↓	BNSTAR2-82	Soil	1	1	8270	08/09 22:19		6M03619	6M03619		
6M03649	AC18984-007	Ti8	↓	BNSTAR2-82	Soil	1	1	8270	08/09 22:43		6M03619	6M03619		

Ans	Area Not Checked	En	Extraction Performed Post Hold	Cn	Warmup Possible Carry Over
As	Area Out	Fsm	Solvent Extraction Date Missing/Not checked	R16 R26	Rnd Out on MSStd (col1 and/or col2) 8000 series
R6m	Blank 8000 series missing	Ftn	Totl/Solvent Extraction Date Missing/Not checked	R18 R28	Rnd Out on MSStd (col1 and/or col2) 8000 series
R8m	Blank 8000 series missing	Ftn	Totl Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
	Blank Not Found/Assigned	Fv	Eval Time Exceeded	Rtn	Can't Calculate Diff
	Calibration Column 1 Out (8000 Series)	Hh	Analysis Before Collection Date	S6	800 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 800 series failed Column 1 and/or 2	S86 S88	Acid and/or BN Surrogate Out (8000 series)
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	S88 S88	Acid and/or BN Surrogate Out (8000 series)
	800 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
	8000 series sample/blank did not have passing cal	Iv	Prob with calrol csv for int calibration check rts	Snc	Surrogate Not Checked
	Endline Cal missing for sample (8000 series)	Iw	Initial cal warning: ini cal file <= method	T15	Outside of 500 series Time time/Cal Time
	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sample	T16	Outside of 600 series Time time/Cal Time
	Diff Out Column 1 or Column 2 Cals or Line Cals	M16 M26	Snake Out Col 1 and/or Col 2 8000 series	T18	Outside of 8000 series Time time/Cal Time
	Diff Not Checked	M18a M18b	Snake Out Col 1 8000 series Acid and/or BN	Trm	Too Many Samples for beginning Calibration
	Diff Out	M18 M28	Snake Out Col 1 and/or Col 2 8000 series	Trw	II for 800 ser: Too many samples herein Calibration
	An Extraction Before Collection Date	M18a M18b	Snake Out Col 1 8000 series Acid and/or BN	Tn	Time Not Checked
	Problem Checking Preblunders mod/check/prep/unc	Mnc	Snake Not Checked for this method	To	Time File Failed
	Eval Time Not Checked	Or	Warning Compound(s) Over Calibration	Wn	Warning: Instrument Id not in TxtLoc field

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
4M05461	CAL DFTPP								08/09 06:10					
4M05463	CAL DFTPP								08/09 08:41					
	5464		TnIsCnSnc Not Quant'd											
4M05465	CAL DFTPP								08/09 11:07					
4M05466	CAL BNA@50PPM				Soil	1	1	625 8270	08/09 11:53		4M05466			
4M05467	CAL BNA@50PPM		IsC16C18		Soil	1	1	625 8270	08/09 12:17		4M05299			
4M05468	CAL BNA@10PPM				Soil	1	1	625 8270	08/09 12:40		4M05466			
4M05469	CAL BNA@25PPM				Soil	1	1	625 8270	08/09 13:04		4M05466			
4M05470	CAL BNA@80PPM				Soil	1	1	625 8270	08/09 13:28		4M05466			
4M05471	CAL BNA@120PPM				Soil	1	1	625 8270	08/09 13:52		4M05466			
4M05472	CAL BNA@160PPM	Oc			Soil	1	1	625 8270	08/09 14:16		4M05466			
4M05473	CAL BNA@200PPM	Oc			Soil	1	1	625 8270	08/09 14:40		4M05466			
4M05474	SMB2617(MS)	M18b	SMB2617		Soil	1	1	8270	08/09 15:03		4M05466	4M05466		
4M05475	SMB2617	Sa8Sb8AaRo			Soil	1	1	8270	08/09 15:27		4M05466	4M05466		
4M05476			TnIsCnSnc Not Quant'd											

Acc	Area Not Checked	Fa	Extraction Performed Past Hold	Ca	Warning Possible Carry Over
An	Area Out	Fem	Solvent Extraction Date Missing/Not check'd	R16 R26	Rnd Out on MeMet (col1 and or col2) 8000 series
ABM	Blank 8000 series missing	Ffn	Total/Solvent Extraction Date Missing/Not check'd	R18 R28	Rnd Out on MeMet (col1 and or col2) 8000 series
BBM	Blank 8000 series missing	Eto	Total Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate DRI
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	S8	8000 series surrogate out
C22	Calibration Column 2 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	S8	8000 series surrogate out
C23	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 8000 series failed Column 1 and or 2	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
C24	8000 series sample/blank did not have necessary cal	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
C25	8000 series sample/blank did not have necessary cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
C26	Function Cal missing for surrogate (8000 series)	Iv	Prere with calbrt rev for init calibration check rfs	Snc	Surrogate Not Checked
C27	Calibration Not Checked for sample/blank level	Iw	Initial cal warning Ini cal file <> method	T15	Outside of 500 series Time time
D1a D2a	DRI Out Column 1 or Column 2 Calc or Init Calc	Iz	Initial Cal Files Not Updated Properly for a sample	T18	Outside of 8000 series Time time/Cal Time
Dnc	DRI Not Checked	M18 M28	Spike Out Col 1 and or Col 2 8000 series	T1A	Too Many Samples for beginning Calibration
Dn	DRI Out	M18a M18b	Spoke Out Col 1 8000 series Acid and or RN	T1w	Time Not Checked
Dna	An Extraction Before Collection Date	M18a M28	Spoke Out Col 1 and or Col 2 8000 series	Tn	Time File Failed
Dna	An Extraction Before Collection Date	M18a M18b	Spoke Out Col 1 8000 series Acid and or RN	Tn	Time File Failed
Dnm	Problem Checking Pre/nurbates mod/check/retrounds	Mnc	Spoke Not Checked for this method	Wa	Warning Instrument Id not in Txt loc field
Dn	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration		

RUN LOG

Instrument: GCMS\_4 Year: 2005

Analyst: AHD

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
**05477	CAL DFTPP								08/10 05:22					
	J5478, CAL BNA@50PPM	C16C18			Soil	1	1	625 8270	08/10 06:01	4M05466				
**05479	CAL BNA@50PPM				Soil	1	1	625 8270	08/10 06:49	4M05466				
4M05480	SMB2617				Soil	1	1	8270	08/10 07:18	4M05466		4M05479		
4M05481	SMB2614				Soil	1	1	8270	08/10 07:42	4M05466		4M05479		
4M05482	SMB2615				Soil	1	1	8270	08/10 08:06	4M05466		4M05479		
4M05483	SMB2616				Soil	1	1	8270	08/10 08:30	4M05466		4M05479		
4M05484	AC18873-001(3X)	Ao	OK	BNA-8270	Soil	3	3	8270	08/10 08:57	4M05466		4M05479		
4M05485	AC18873-002(3X)	Ao	V	BNA-8270	Soil	3	3	8270	08/10 09:21	4M05466		4M05479		
4M05486	AC18873-005(3X)			BNA-8270	Soil	3	3	8270	08/10 09:45	4M05466		4M05479		
4M05487	AC18873-006(3X)	SdAo	OK	BNA-8270	Soil	3	3	8270	08/10 10:09	4M05466		4M05479		
4M05488	AC18873-018(3X)			BNA-8270	Soil	3	3	8270	08/10 10:32	4M05466		4M05479		
4M05489	AC18873-015(20X)		LL 3x See 4M05500	BNA-8270	Soil	20	20	8270	08/10 10:56	4M05466		4M05479		
4M05490	AC18820-005(20X)	Ao	5501	BN-8270	Soil	20	20	8270	08/10 11:20	4M05466		4M05479		
4M05491	AC18984-005(20X)		5502	BNSTAR2-82	Soil	20	20	8270	08/10 11:44	4M05466		4M05479		
4M05492	AC18873-010(10X)			BNA-8270	Soil	10	10	8270	08/10 12:08	4M05466		4M05479		
4M05493	AC18876-001			BNA25-8270	Soil	1	1	8270	08/10 12:32	4M05466		4M05479		
4M05494	AC18984-001	Ao	LL	BNSTAR2-82	Soil	1	1	8270	08/10 12:56	4M05466		4M05479		
4M05495	AC18873-019			BNA-8270	Soil	1	1	8270	08/10 13:20	4M05466		4M05479		
4M05496	AC18968-002	Ao	OK	BNPAH-8270	Soil	1	1	8270	08/10 13:44	4M05466		4M05479		
4M05497	AC18845-007(10X)	Sd		BN15-8270	Soil	10	10	8270	08/10 14:08	4M05466		4M05479		
4M05498	AC18845-012(10X)			BN15-8270	Soil	10	10	8270	08/10 14:32	4M05466		4M05479		
4M05499	AC18845-010(20X)	SdAo		BN15-8270	Soil	20	20	8270	08/10 14:56	4M05466		4M05479		
4M05500	AC18873-015(3X)	Ao	OK	BNA-8270	Soil	3	3	8270	08/10 15:20	4M05466		4M05479		
4M05501	AC18820-005(3X)	Ao		BN-8270	Soil	3	3	8270	08/10 15:44	4M05466		4M05479		
4M05502	AC18984-005(3X)	Ao	LL	BNSTAR2-82	Soil	3	3	8270	08/10 16:08	4M05466		4M05479		
4M05503	AC18916-001	Ao	OK	BNA-8270	Soil	1	1	8270	08/10 16:32	4M05466		4M05479		
4M05504	AC18916-004	Ao		BNA-8270	Soil	1	1	8270	08/10 16:56	4M05466		4M05479		
4M05505	AC18916-005	Ao		BNA-8270	Soil	1	1	8270	08/10 17:20	4M05466		4M05479		
4M05506	AC18916-007	Ti8Ao	LL	BNA-8270	Soil	1	1	8270	08/10 17:44	4M05466		4M05479		
4M05507	AC18916-017	Sa8Ti8AoOc	LL 20x	BNA-8270	Soil	1	1	8270	08/10 18:08	4M05466		4M05479		
4M05508	AC18916-020	Ti8Ao	LL 3x	BNA-8270	Soil	1	1	8270	08/10 18:32	4M05466		4M05479		
4M05509	AC18916-022	Ti8	LL	BNA-8270	Soil	1	1	8270	08/10 18:56	4M05466		4M05479		

Ans	Area Not Checked	Fn	Extraction Performed Past Hield	Cn	Warning Possible Carry Over
An	Area Out	Fxn	Solvent Extraction Date Missing/Not check'd	R18 R26	Rnd Out on MtsMtd (col1) and/or col2) 8000 series
R6m	Blank 600 series missing	Fin	Trn/Solvent Extraction Date Missing/Not check'd	R18 R26	Rnd Out on MtsMtd (col1) and/or col2) 8000 series
R8m	Blank 8000 series missing	Fio	Trn Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
	Blank Not Found/Assigned	Fv	Fval Time Exceeded	Rtn	Can't Calculate Drift
	Calibration Column 1 Out (8000 Series)	Hh	Analysis Before Collection Date	S6	8000 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I18 I26	Initial cal 8000 series failed Column 1 and/or 2	Sa6 Sh6	Acid and/or RN Surrogate Out (8000 series)
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and/or 2	Sa8 Sh8	Surrogate Diluted Out
C81	800 series sample/blank did not have extraction cal	lv	Initial Cal Not Checked	Snc	Surrogate Not Checked
C81	8000 series sample/blank did not have extraction cal	lv	Prsh with retnt rev for init calibration check rts	T15	Outside of 800 series Tune time
Cme	Endrim Cal missing for sample/blank/eval	lx	Initial Cal Files Not Updated Properly for a sample	Ta8	Outside of 8000 series Tune time/Cal Time
Cn	Calibration Not Checked for sample/blank/eval	M15a M26	Snake Out Col 1 and/or Col 2 8000 series	Ti8	Too Many Samples/ for beginning Calibration
D1n D2n	Drift Out Column 1 or Column 2 Cals or Init Cals	M15a M16b	Snake Out Col 1 8000 series Acid and/or RN	Tm	Tune Not Checked
Dnc	Drift Not Checked	M15a M28	Snake Out Col 1 and/or Col 2 8000 series	Tmw	Tune File Failed
Dn	Drift Out	M15a M15b	Snake Out Col 1 8000 series Acid and/or RN	Tn	Tune File Failed
Fha	An Extraction Before Collection Date	M15a M15b	Snake Out Col 1 8000 series Acid and/or RN	Tn	Tune File Failed
Fhm	Problem Checking Pre/Postdates matchcheck/pre/post	Mnc	Snake Not Checked for this method	Tn	Tune File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Twe	Warning Instrument Id not in TrxLoc field

# RUN LOG

Instrument: GCMS\_5 Year: 2005

Analyst: AHD

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
5M09911	CAL DFTPP								08/10 06:35					
5M09912	CAL BNA@50PPM				Aqueou	1	1	625 8270	08/10 06:55	5M09385				
5M09913	SMB2618				Soil	1	1	8270	08/10 07:35	5M09385		5M09912		
5M09914	SMB2618(MS)		SMB2618		Soil	1	1	8270	08/10 08:04	5M09385		5M09912		
5M09915	SMB2617				Soil	1	1	8270	08/10 08:26	5M09385		5M09912		
5M09916	SMB2617(MS)	M18b	SMB2617		Soil	1	1	8270	08/10 08:47	5M09385		5M09912		
5M09917	AC18955-003		SMB2617	BNSTAR2-82	Soil	1	1	8270	08/10 09:09	5M09385		5M09912		
5M09918	AC18955-003(MS)	M18b	SMB2617	BNSTAR2-82	Soil	1	1	8270	08/10 09:30	5M09385		5M09912		
5M09919	AC18955-003(MSD)	M18b	SMB2617	BNSTAR2-82	Soil	1	1	8270	08/10 09:52	5M09385		5M09912		
5M09920	AC18999-001			BNSTAR2-82	Soil	1	1	8270	08/10 10:13	5M09385		5M09912		
5M09921	AC18999-002			BNSTAR2-82	Soil	1	1	8270	08/10 10:35	5M09385		5M09912		
5M09922	AC18999-003			BNSTAR2-82	Soil	1	1	8270	08/10 10:57	5M09385		5M09912		
5M09923	AC18999-004	Oc	Cancelled	ERROR	Soil	1	1	8270	08/10 11:18	5M09385		5M09912		
5M09924	AC18955-002			BNSTAR2-82	Soil	1	1	8270	08/10 11:40	5M09385		5M09912		
5M09925	AC18830-021			BN15-8270	Soil	1	1	8270	08/10 12:02	5M09385		5M09912		
5M09926	AC18984-003			BNSTAR2-82	Soil	1	1	8270	08/10 12:23	5M09385		5M09912		
5M09927	AC18984-006			BNSTAR2-82	Soil	1	1	8270	08/10 12:45	5M09385		5M09912		
5M09928	AC18984-007			BNSTAR2-82	Soil	1	1	8270	08/10 13:07	5M09385		5M09912		
5M09929	AC18916-008		SMB2618	BNA-8270	Soil	1	1	8270	08/10 13:28	5M09385		5M09912		
5M09930	AC18916-009(MS;AC1		SMB2618	BNA-8270	Soil	1	1	8270	08/10 13:50	5M09385		5M09912		
5M09931	AC18916-010(MSD;AC		SMB2618	BNA-8270	Soil	1	1	8270	08/10 14:12	5M09385		5M09912		
5M09932	AC18916-003			BNA-8270	Soil	1	1	8270	08/10 14:34	5M09385		5M09912		
5M09933	AC18916-014	Oc	LL5x	BNA-8270	Soil	1	1	8270	08/10 14:56	5M09385		5M09912		
5M09934	AC18916-015			BNA-8270	Soil	1	1	8270	08/10 15:17	5M09385		5M09912		
5M09935	AC18916-021			BNA-8270	Soil	1	1	8270	08/10 15:39	5M09385		5M09912		
5M09936	AC18916-011	Sb8AoOc	LL 20x	BNA-8270	Soil	1	1	8270	08/10 16:01	5M09385		5M09912		
5M09937	AC18916-016			BNA-8270	Soil	1	1	8270	08/10 16:23	5M09385		5M09912		
5M09938	AC18916-019			BNA-8270	Soil	1	1	8270	08/10 16:45	5M09385		5M09912		
5M09939	AC18916-002	Oc	LL 10x	BNA-8270	Soil	1	1	8270	08/10 17:07	5M09385		5M09912		
5M09940	AC18916-006	Sb8Oc	v	BNA-8270	Soil	1	1	8270	08/10 17:29	5M09385		5M09912		
5M09941	AC18914-002	Sa6Sa8	O.K. ON HOLD	ERROR	Aqueou	1	1	625 8270	08/10 17:51	5M09385	5M09912	5M09912		
5M09942	AC18916-012			BNA-8270	Soil	1	1	8270	08/10 18:12	5M09385		5M09912		
5M09943	AC18916-018			BNA-8270	Soil	1	1	8270	08/10 18:34	5M09385		5M09912		
5M09944	AC18916-013	Ti8	LL	BNA-8270	Soil	1	1	8270	08/10 18:56	5M09385		5M09912		
5M09945	TEST	Ti8			Soil	1	1	8270	08/10 19:18	5M09385		5M09912		
5M09946	TEST	Ti8			Soil	1	1	8270	08/10 19:39	5M09385		5M09912		
5M09947	TEST	Ti8Oc			Soil	1	1	8270	08/10 20:01	5M09385		5M09912		
5M09948	TEST	Ti8Oc			Soil	1	1	8270	08/10 20:23	5M09385		5M09912		

Ans	Area Not Checked	Fn	Extraction Performed Post Hold	Cn	Warning Possible Carry Over
Ans	Area Out	Fm	Solvent Extraction Date Missing/Not checked	R16 R26	Rnd Out on MSMSd (col1 and or col2) 8000 series
R6m	Blank 8000 series missing	Fln	Tolu/Solvent Extraction Date Missing/Not checked	R18 R28	Rnd Out on MSMSd (col1 and or col2) 8000 series
R6m	Blank 8000 series missing	Fln	Tolu/Solvent Extraction Date Missing/Not checked	Rn	Retention Time Out Or %Diff Out
	Blank Not Found/Assigned	Fv	Eval Time Exceeded	Rln	Can't Calculate Drift
	Calibration Column 1 Out (8000 Series)	Hh	Analysis Before Collection Date	S6	8000 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	S6	8000 series surrogate out
	Calibration Column 2 Out (800 Series)	I16 I26	Initial cal 800 series failed Column 1 and or 2	Sa6 Sb6	Acid and or RN Surrogate Out (800 series)
	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Sa8 Sb8	Acid and or RN Surrogate Out (8000 series)
	800 series sample/blank did not have national cal	Iv	Initial Cal Not Checked	Sr	Surrogate Dated Out
	8000 series sample/blank did not have national cal	Iv	Prnh with calint csv for int calibration check rfs	Snc	Surrogate Not Checked
	Foreign Cal missing for sample (8000 series)	Iw	Initial cal warning for cal file <= method	T5	Outside of 500 series Tune time
	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal File Not Updated Properly for a sample	T6	Outside of 8000 series Tune time/Cal Time
D1n D2n	Drift Out Column 1 or Column 2 Cals or Int Cals	M16 M26	Snake Out Col 1 and or Col 2 8000 series	T8	Too Many Samples for beginning Calibration
Dnc	Drift Not Checked	M18a M18b	Snake Out Col 1 8000 series Acid and or RN	Tm	Time Not Checked
Dn	Drift Out	M18 M28	Snake Out Col 1 and or Col 2 8000 series	Tmw	Time Not Checked
Eha	An Extraction Before Collection Date	M18a M18b	Snake Out Col 1 8000 series Acid and or RN	Tn	Time File Failed
Ehm	Problem Checking Precursor/derivs/mods/checks/compound	Mnc	Snake Not Checked for this compound	Tn	Time File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	W6	Warning Instrument Id not in TstLoc field

RUN LOG

Instrument: GCMS\_5 Year: 2005  
Analyst: AHD

8000

15  
End  
Cal

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	Beg Cal	End Cal	BlkFile
5M09949	CAL DFTPP								08/11 06:15					
5M09950	CAL BNA@50PPM													
5M09951	WMB2638				Aqueou	1	1	625 8270	08/11 06:42	5M09385				
5M09952	SMB2620				Soil	1	1	8270	08/11 07:32	5M09385	5M09950	5M09950		
5M09953	SMB2621				Soil	1	1	8270	08/11 07:53	5M09385			5M09950	
5M09954	WMB2638(MS)		WMB2638		Aqueou	1	1	625 8270	08/11 08:19	5M09385	5M09950	5M09950		
5M09955	AC18968-001(T)		WMB2638	BNATCLP-82	Aqueou	1	1	8270	08/11 08:40	5M09385			5M09950	
5M09956	AC18968-001(T)(MS) M18aM18b		WMB2638	BNATCLP-82	Aqueou	1	1	625 8270	08/11 09:02	5M09385	5M09950	5M09950		
5M09957	AC18968-001(T)(MSD)		WMB2638	BNATCLP-82	Aqueou	1	1	625 8270	08/11 09:23	5M09385	5M09950	5M09950		
5M09958	SMB2621(MS)		SMB2621		Soil	1	1	8270	08/11 09:45	5M09385			5M09950	
5M09959	AC18872-008		SMB2621	BNA-8270	Soil	1	1	8270	08/11 10:06	5M09385			5M09950	
5M09960	AC18872-008(MS)		SMB2621	BNA-8270	Soil	1	1	8270	08/11 10:28	5M09385			5M09950	
5M09961	AC18872-008(MSD)		SMB2621	BNA-8270	Soil	1	1	8270	08/11 10:49	5M09385			5M09950	
5M09962	SMB2620(MS) M18b		SMB2620		Soil	1	1	8270	08/11 11:11	5M09385			5M09950	
5M09963	AC18873-011(MS;AC;Ao		SMB2620	BNA-8270	Soil	1	1	8270	08/11 11:33	5M09385			5M09950	
5M09964	AC18873-013(MSD;AC		SMB2620	BNA-8270	Soil	1	1	8270	08/11 11:54	5M09385			5M09950	
5M09965	AC18972-001			BNSTAR2-82	Aqueou	1	1	8270	08/11 12:16	5M09385			5M09950	
5M09966	AC18977-005			BNPAH-8270	Soil	1	1	8270	08/11 12:38	5M09385			5M09950	
5M09967	AC18955-001			BNSTAR2-82	Soil	1	1	8270	08/11 12:59	5M09385			5M09950	
5M09968	SMB2619				Soil	1	1	8270	08/11 13:21	5M09385			5M09950	
5M09969	AC18886-008			BN15-8270	Soil	1	1	8270	08/11 13:43	5M09385			5M09950	
5M09970	AC18872-002			BNA-8270	Soil	1	1	8270	08/11 14:05	5M09385			5M09950	
5M09971	AC18873-012		SMB2620	BNA-8270	Soil	1	1	8270	08/11 14:26	5M09385			5M09950	
5M09972	AC18872-001			BNA-8270	Soil	1	1	8270	08/11 14:48	5M09385			5M09950	
5M09973	AC18958-001			BNA-8270	Aqueou	1	1	8270	08/11 15:10	5M09385			5M09950	
5M09974	AC18958-002			BNA-8270	Aqueou	1	1	8270	08/11 15:32	5M09385			5M09950	
5M09975	AC18958-003			BNA-8270	Aqueou	1	1	8270	08/11 15:54	5M09385			5M09950	
5M09976	AC18916-014(5X)	SdAoOc	2 L	BNA-8270	Soil	5	5	8270	08/11 16:15	5M09385			5M09950	
5M09977	AC18916-011(20X)	SdAoRoOc	↓	BNA-8270	Soil	20	20	8270	08/11 16:37	5M09385			5M09950	
5M09978	AC18916-011(10X)	SdAoOc	↓	BNA-8270	Soil	10	10	8270	08/11 16:59	5M09385			5M09950	
5M09979	AC18916-006(10X)	SdAoOc	↓	BNA-8270	Soil	10	10	8270	08/11 17:21	5M09385			5M09950	
5M09980	AC18916-013			BNA-8270	Soil	1	1	8270	08/11 17:43	5M09385			5M09950	
5M09981	AC18873-011(MS;AC;AoMnc	OK		BNA-8270	Soil	1	1	8270	08/11 18:05	5M09385			5M09950	
5M09982	AC18888-007	Ti8	2 L	BNA25-8270	Soil	1	1	8270	08/11 18:26	5M09385			5M09950	
5M09983	AC18991-001			BNA25-625	Aqueou	1	1	625	08/11 18:48	5M09385	5M09950	5M09950		
5M09984	AC18991-002			BNA25-625	Aqueou	1	1	625	08/11 19:10	5M09385	5M09950	5M09950		
5M09985	AC18991-004			BNA25-625	Aqueou	1	1	625	08/11 19:31	5M09385	5M09950	5M09950		
5M09986	AC18969-002			BN15-625	Aqueou	1	1	625	08/11 19:53	5M09385	5M09950	5M09950		
5M09987	AC18975-001			BNPAH-625	Aqueou	1	1	625	08/11 20:15	5M09385	5M09950	5M09950		
5M09988	AC18997-001			BN15-625	Aqueou	1	1	625	08/11 20:36	5M09385	5M09950	5M09950		
5M09989	AC18997-002			BN15-625	Aqueou	1	1	625	08/11 20:58	5M09385	5M09950	5M09950		
5M09990	AC18997-003			BN15-625	Aqueou	1	1	625	08/11 21:20	5M09385	5M09950	5M09950		
5M09991	WMB2637	Ti8			Aqueou	1	1	625 8270	08/11 21:41	5M09385	5M09950	5M09950		
5M09992	MBS A	Ti8	MBS A		Aqueou	1	1	625 8270	08/11 22:03	5M09385	5M09950	5M09950		
5M09993	MBS B	Ti8	MBS B		Aqueou	1	1	625 8270	08/11 22:25	5M09385	5M09950	5M09950		
5M09994	MBS C	Ti8	MBS C		Aqueou	1	1	625 8270	08/11 22:46	5M09385	5M09950	5M09950		
5M09995	MBS D	Ti8M18b	MBS D		Aqueou	1	1	625 8270	08/11 23:08	5M09385	5M09950	5M09950		
5M09996		TnisCnSnc	Not Quant'd											

Am	Area Not Checked	Em	Extraction Performed Paid Hold	Ca	Warning Possible Carry Over
Am	Area Out	Em	Spiked Extraction Date Missing/Not check'd	R18 R26	Reti Out on M18d1 (ret1) and/or col21 8000 series
R6m	Blank 8000 series missing	Ein	Tot/Solvent Extraction Date Missing/Not check'd	R18 R78	Reti Out on M18d1 (ret1) and/or col21 8000 series
R8m	Blank 8000 series missing	Ein	Triu Extraction Performed Outside of Hold	Rn	Retention Time Out Or %Diff Out
Rn1	Blank Not Found/Assigned	Fv	Eval Time Exceeded	Rtn	Can't Calculate Drift
C16	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Data	S8	600 series surrogate out
	Calibration Column 1 Out (8000 Series)	Hc	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (800 Series)	116 126	Initial cal 8000 series failed Column 1 and/or 2	S46 Sh6	Arct and/or RN Surrogate Out (800 series)
	Calibration Column 2 Out (8000 Series)	118 128	Initial cal 8000 series failed Column 1 and/or 2	S48 Sh8	Arct and/or RN Surrogate Out (8000 series)
	8000 series sample/blank did not have passing cal	1k	Initial Cal Not Checked	S81	Surrogate Diluted Out
C81	8000 series sample/blank did not have passing cal	lv	Prmb with calmi row for int calibration check rfs	Snc	Surrogate Not Checked
C8e	Failing Cal missing for sample (8000 series)	lw	Initial cal warning: int cal file <- method	T15	Outside of 500 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	lx	Initial Cal Files Not Updated Property for a sampl	T18	Outside of 8000 series Tune time/Cal Time
D1n D2n	Drift Out Column 1 or Column 2 Calc or Int Calc	M16 M26	Snake Out Col 1 and/or Col 2 800 series	T18	Outside of 8000 series Tune time/Cal Time
Dnc	Drift Not Checked	M18a M18b	Snake Out Col 1 8000 series Arct and/or RN	Tm	Too Many Samples/ for beginning Calibration
Dn	Drift Out	M18 M28	Snake Out Col 1 and/or Col 2 8000 series	Tmw	If for 800 ser Too many samples begin Calibration
Fha	An Extraction Before Collection Data	M18a M18b	Snake Out Col 1 8000 series Arct and/or RN	Tn	Tune Not Checked
Fmn	Problem Checking Prependates matches/prependat	Mnc	Snake Not Checked for this method	To	Tune File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Wfa	Warning... Instrument Id not in TxtLoc field

Veritech Internally Prepared Standard Log

0936

**Veritech Lot Number: V-2111**

Prepared By: Hamid, Akmal		Department: Organics		
Description: DFTPP STOCK STD.		BatchNumber:		
Prep Date: 4/4/2005		Concentration: 2000 ppm		
Expiration Date: 4/3/2006		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1084	Methylene Chloride	10 ml	neat neat	
1082	DFTPP	.02 g	neat	

**Veritech Lot Number: V-4071**

Prepared By: Hamid, Akmal		Department: Organics		
Description: DFTPP Mix		BatchNumber:		
Prep Date: 6/14/2005		Concentration: 50 ppm		
Expiration Date: 12/13/2005		Final Volume: 2 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-2111	DFTPP STOCK STD.	50	2000 ppm	
850	DDT/Endrin Mix	400	500 ppm	
1085	TCLPhenols/benzidine Mix	100	2000 ppm	
1218	Methylene Chloride	1450	Neat l	



## Veritech Internally Prepared Standard Log

0937

## Veritech Lot Number: V-201

Prepared By: Akmal		Department: Organics		
Description: BNA Spike For Soil		BatchNumber:		
Prep Date: 9/2/2004		Concentration: 1000-2000 ppm		
Expiration Date: 1/1/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
770	Pyrene	.1 g	Neat g	1000ppm
772	Acetone	100 ml	Neat ml	ppm
765	Phenol	.2 g	Neat g	2000ppm
771	1,2,4-Trichlorobenzene	.1 g	Neat g	1000ppm
769	N-Nitrosodi-n-propylamine	.1 g	Neat g	1000ppm
762	Pentachlorophenol	.2 g	Neat g	2000ppm
761	2-Chlorophenol		Neat g	
763	4-Chloro-3-methylphenol	.2 g	Neat g	2000ppm
764	4-Nitrophenol	.2 g	Neat g	2000ppm
767	1,4-Dichlorobenzene	.1 g	Neat g	1000ppm
766	Acenaphthene	.1 g	Neat g	1000ppm
768	2,4-Dinitrotoluene	.1 g	Neat g	1000ppm

## Veritech Lot Number: V-204

Prepared By: Akmal		Department: Organics		
Description: BNA Surrog St		BatchNumber:		
Prep Date: 9/10/2004		Concentration: 1000-2000 ppm		
Expiration Date: 9/10/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
586	p-Terphenyl-d14	1 g	neat	1000 ppm
606	2-Fluorobiphenyl	1 g	Neat g	1000 ppm
605	2,4,6-Tribromophenol	2 g	Neat g	2000 ppm
584	2-Fluorophenol	1.6 ml	neat	2000 ppm
772	Acetone	1000 ml	Neat ml	neat
583	Phenol-d6	2 g	neat	2000 ppm
582	Nitrobenzene-d5	800 ul	Neat	1000 ppm

## Veritech Lot Number: V-295

Prepared By: Akmal		Department: Organics		
Description: 1,4-Dimethylnaphthalene		BatchNumber:		
Prep Date: 11/18/2004		Concentration: 10,000ppm		
Expiration Date: 11/17/2005		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
854	Methylene Chloride	990 ul	Neat	
866	1,4-Dimethylnaphthlene	10 ul	neat	10,000 ppm

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-498

Prepared By: Hamid, Akmal  
 Description: BNA Spike For Soil  
 Prep Date: 2/24/2005  
 Expiration Date: 2/23/2006

Department: Organics  
 BatchNumber:  
 Concentration: 1000-2000PPM  
 Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
948	Acenaphthene	.1 g	neat g	1000 ppm
761	2-Chlorophenol	.2 g	Neat g	2000 ppm
764	4-Nitrophenol	.2 g	Neat g	2000 ppm
762	Pentachlorophenol	.2 g	Neat g	2000 ppm
767	1,4-Dichlorobenzene	.1 g	Neat g	1000 ppm
768	2,4-Dinitrotoluene	.1 g	Neat g	1000 ppm
769	N-Nitrosodi-n-propylamine	.1 g	Neat g	1000 ppm
770	Pyrene	.1 g	Neat g	1000 ppm
771	1,2,4-Trichlorobenzene	.1 g	Neat g	1000 ppm
950	Acetone	100 ml	Neat ml	
947	4-Chloro-3-methylphenol	.2 g	neat g	2000 ppm
946	Phenol	.2 g	neat g	2000 ppm

## Veritech Lot Number: V-4045

Prepared By: Hamid, Akmal  
 Description: BNA Internal Std.  
 Prep Date: 6/13/2005  
 Expiration Date: 6/12/2006

Department: Organics  
 BatchNumber:  
 Concentration: 2000 ppm  
 Final Volume: 250 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
571	Acenaphthene-D10	.5 g	Neat g	2000
570	Chrysene-d12	.5 g	Neat g	2000
567	Perylene-d12	.5 g	Neat g	2000
565	Phenanthrene-d10	.5 g	Neat g	2000
564	Naphthlene-d8	.5 g	Neat g	2000
563	1,4 Dichlorobenzene-d4	.5 g	Neat g	2000
1218	Methylene Chloride	250 ml	Neat l	

## Veritech Lot Number: V-4046

Prepared By: Hamid, Akmal  
 Description: Pyridine Stock Std.  
 Prep Date: 6/13/2005  
 Expiration Date: 6/12/2006

Department: Organics  
 BatchNumber:  
 Concentration: 10,000 ppm  
 Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1218	Methylene Chloride	990 ul	Neat l	
1225	Pyridine	10 ul	Neat ml	10000 ppm

## Veritech Internally Prepared Standard Log

0939

## Veritech Lot Number: V-4604

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA STOCK Std.		BatchNumber:		
Prep Date: 7/1/2005		Concentration: 200 ppm		
Expiration Date: 9/10/2005		Final Volume: 1.5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1091	EPA TCLP Pesticides Mix	60 ul	1000 ppm	40 ppm
1090	1,2,4,5-Tetrachlorobenzene	300 ul	1000 ppm	200 ppm
1089	Diphenyl Ether	150 ul	2000 ppm	200 ppm
1218	Methylene Chloride	60 ul	Neat	
1087	TCL Base-Neutrals Mix	150 ul	2000 ppm	200 ppm
1086	TCL Polynuclear Aromatic Hydrocarbons mix	150 ul	2000 ppm	200 ppm
1085	TCLPhenols/benzidine Mix	150 ul	2000 ppm	200 ppm
V-4046	Pyridine Stock Std.	30 ul	10,000 ppm	200 ppm
V-295	1,4-Dimethylnaphthalene	30 ul	10,000ppm	200 ppm
V-204	BNA Surrog St	150 ul	1000-2000 pp	100-200 ppm
1235	Pentachloroethane	60 ul	5000 ppm	200 ppm
1234	2,3,4,6-Tetrachlorophenol	60 ul	5000 ppm	200 ppm
1088	TCL Hazardous substances Mix	150 ul	2000 ppm	200 ppm

## Veritech Lot Number: V-5045

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 10 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 10 ppm		
Expiration Date: 9/10/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	95	Neat	

## Veritech Lot Number: V-5047

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 50 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 50 ppm		
Expiration Date: 9/10/2005		Final Volume: 200 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	50 ul	200 ppm	50 ppm
V-4045	BNA Internal Std.	4 ul	2000 ppm	40 ppm
1218	Methylene Chloride	150	Neat	

## Veritech Lot Number: V-5048

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 80 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 80 ppm		
Expiration Date: 9/10/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	60	Neat	

## Veritech Internally Prepared Standard Log

0760

**Veritech Lot Number: V-5049**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 120 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 120 ppm		
Expiration Date: 9/10/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	40	Neat	

**Veritech Lot Number: V-5050**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 160 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 160 ppm		
Expiration Date: 9/10/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	20	Neat	

**Veritech Lot Number: V-5051**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: BNA 200 ppm curve		BatchNumber: B-532		
Prep Date: 7/21/2005		Concentration: 200 ppm		
Expiration Date: 9/10/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4604	BNA STOCK Std.	100 ul	200 ppm	200 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	0	Neat	

**Veritech Lot Number: V-5264**

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA Surrog.Std.		BatchNumber:		
Prep Date: 8/1/2005		Concentration: 1000-2000 ppm		
Expiration Date: 7/31/2006		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
585	2-fluorobiphenyl	1 g	neat	1000
788	p-Terphenyl-D14	1 g	Neat	1000
789	Phenol-d5	2 g	Neat	2000
790	2-Fluorophenol	1.6 ml	Neat	2000
605	2,4,6-Tribromophenol	2 g	Neat	2000
582	Nitrobenzene-d5	800 ul	Neat	1000
853	Acetone	1000 ml	Neat	neat

## Veritech Internally Prepared Standard Log

B941

## Veritech Lot Number: V-5267

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA STOCK Std.		BatchNumber:		
Prep Date: 8/2/2005		Concentration: 200 ppm		
Expiration Date: 11/17/2005		Final Volume: 1.5 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1091	EPA TCLP Pesticides Mix	60 ul	1000 ppm	40 ppm
1090	1,2,4,5-Tetrachlorobenzene	300 ul	1000 ppm	200 ppm
1089	Diphenyl Ether	150 ul	2000 ppm	200 ppm
1218	Methylene Chloride	60 ul	Neat	
1087	TCL Base-Neutrals Mix	150 ul	2000 ppm	200 ppm
1086	TCL Polynuclear Aromatic Hydrocarbons mix	150 ul	2000 ppm	200 ppm
1085	TCL Phenols/benzidine Mix	150 ul	2000 ppm	200 ppm
V-4046	Pyridine Stock Std.	30 ul	10,000 ppm	200 ppm
V-295	1,4-Dimethylnaphthalene	30 ul	10,000 ppm	200 ppm
1235	Pentachloroethane	60 ul	5000 ppm	200 ppm
1234	2,3,4,6-Tetrachlorophenol	60 ul	5000 ppm	200 ppm
V-5264	BNA Surrog. Std.	150	1000-2000 pp	200 ppm
1088	TCL Hazardous substances Mix	150 ul	2000 ppm	200 ppm

## Veritech Lot Number: V-5269

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 10 ppm curve		BatchNumber: B-584		
Prep Date: 8/2/2005		Concentration: 10 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	5 ul	200 ppm	10 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	95	Neat	

## Veritech Lot Number: V-5270

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 25 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 25 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	12.5 ul	200 ppm	25 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	87.5	Neat	

## Veritech Lot Number: V-5271

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 50 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 50 ppm		
Expiration Date: 11/17/2005		Final Volume: 200 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	50 ul	200 ppm	50 ppm
V-4045	BNA Internal Std.	4 ul	2000 ppm	40 ppm
1218	Methylene Chloride	150	Neat	

**Veritech Internally Prepared Standard Log**

8942

**Veritech Lot Number: V-5272**

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 80 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 80 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	40 ul	200 ppm	80 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	60	Neat	

**Veritech Lot Number: V-5273**

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 120 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 120 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	60 ul	200 ppm	120 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	40	Neat	

**Veritech Lot Number: V-5274**

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 160 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 160 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	80 ul	200 ppm	160 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	20	Neat	

**Veritech Lot Number: V-5275**

Prepared By: Hamid, Akmal		Department: Organics		
Description: BNA 200 ppm curve		BatchNumber: B-551		
Prep Date: 8/2/2005		Concentration: 200 ppm		
Expiration Date: 11/17/2005		Final Volume: 100 ul		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5267	BNA STOCK Std.	100 ul	200 ppm	200 ppm
V-4045	BNA Internal Std.	2 ul	2000 ppm	40 ppm
1218	Methylene Chloride	0	Neat	

## Veritech Standard Receipt Log

0943

**Veritech Control/Receipt Number: 563**

Description
1,4 Dichlorobenzene-d4

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC.	DLM-268	PR-11537	04/04/01	04/04/10	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 564**

Description
Naphthlene-d8

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC.	DLM-365	P-9785	04/04/01	04/04/10	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 565**

Description
Phenanthrene-d10

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC	DLM-371	PR-11746	02/07/02	02/07/10	Akmal	1	1g	Neat	

**Veritech Control/Receipt Number: 567**

Description
Perylene-d12

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC	DLM-366	PR-10838	02/07/02	02/07/10	Akmal	1	1g	Neat	

**Veritech Control/Receipt Number: 570**

Description
Chrysene-d12

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC	DLM-261	PR-13120	06/17/03	06/17/10	Akmal	1	1g	Neat	

**Veritech Control/Receipt Number: 571**

Description
Acenaphthene-D10

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CIL INC	DLM108-1	PR-11604	06/17/03	06/17/10	Akmal	2	2g	Neat	

**Veritech Control/Receipt Number: 582**

Description
Nitrobenzene-d5

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
ALDRICH	15195-5	09405MO	10/01/02	10/01/10	Akmal	1	5g	Neat	

## Veritech Standard Receipt Log

0976

## Veritech Control/Receipt Number: 583

Description

Phenol-d6

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Isotech	176060	07752cb	11/19/03	11/19/10	Akmal	1	1g	neat	

## Veritech Control/Receipt Number: 584

Description

2-Fluorophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	F1280-4	04515bu	02/07/02	02/07/10	Akmal	1	10g	neat	

## Veritech Control/Receipt Number: 585

Description

2-fluorobiphenyl

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	102741	06511cb	11/19/03	11/19/10	Akmal	1	2.5g	neat	

## Veritech Control/Receipt Number: 586

Description

p-Terphenyl-d14

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Isotech	364630	00551kb	11/19/03	11/19/10	Akmal	3	1.5g	neat	

## Veritech Control/Receipt Number: 605

Description

2,4,6-Tribromophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	13771-5	18324MR	11/23/03	03/10/10	Akmal	1	5g	Neat	

## Veritech Control/Receipt Number: 606

Description

2-Fluorobiphenyl

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	10274-1	02520TK	11/23/03	03/10/10	Akmal	1	2.5g	Neat	

## Veritech Control/Receipt Number: 761

Description

2-Chlorophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F24	274-13A	10/08/02	10/01/05	Akmal	1	5g	Neat	



Veritech Standard Receipt Log

5750

**Veritech Control/Receipt Number: 762**

Description
Pentachlorophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F64	293-1A	10/08/02	09/01/07	Akmal	1	1g	Neat	

**Veritech Control/Receipt Number: 763**

Description
4-Chloro-3-methylphenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F22	274-85B	10/08/02	01/01/05	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 764**

Description
4-Nitrophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F58	281-142A	10/08/02	05/01/06	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 765**

Description
Phenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F65	195-113B	10/08/02	10/01/05	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 766**

Description
Acenaphthene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	0-782	183-73A	10/08/02	11/01/05	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 767**

Description
1,4-Dichlorobenzene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F27	282-14B	10/08/02	03/01/07	Akmal	1	5g	Neat	

**Veritech Control/Receipt Number: 768**

Description
2,4-Dinitrotoluene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F35	270-148A	10/08/02	10/01/06	Akmal	1	1g	Neat	

## Veritech Standard Receipt Log

9768

## Veritech Control/Receipt Number: 769

Description

N-Nitrosodi-n-propylamine

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F63	290-2B	10/08/02	08/01/06	Akmal	1	1g	Neat	

## Veritech Control/Receipt Number: 770

Description

Pyrene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F84	266-23B	10/08/02	06/01/06	Akmal	1	1g	Neat	

## Veritech Control/Receipt Number: 771

Description

1,2,4-Trichlorobenzene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
CHEM SERVICE	F8	274-89B	10/08/02	01/01/07	Akmal	1	1g	Neat	

## Veritech Control/Receipt Number: 772

Description

Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Pharmaco	329000DIS	PL000071ACE	06/11/04	06/09/09	Akmal	1	4000	Neat	

## Veritech Control/Receipt Number: 788

Description

p-Terphenyl-D14

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Isotech	364630	10278AE	09/15/04	06/22/10	Akmal	5	2.5g	Neat	

## Veritech Control/Receipt Number: 789

Description

Phenol-d6

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	176060	02422JC	09/15/04	06/22/10	Akmal	1	5g	Neat	

## Veritech Control/Receipt Number: 790

Description

2-Fluorophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	F-12804	09006DO	09/15/04	06/22/10	Akmal	1	10g	Neat	

Veritech Standard Receipt Log

0947

**Veritech Control/Receipt Number: 853**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	A40-4	038622	08/24/04	08/18/10	Akmal	1	4000	Neat	

**Veritech Control/Receipt Number: 854**

Description
Methylene Chloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	D142-4	043063	11/02/04	08/18/10	Akmal	1	4000	Neat	

**Veritech Control/Receipt Number: 866**

Description
1,4-Dimethlnaphthlene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Aldrich	D17,030-5	14523CZ	11/18/97	11/25/10	Akmal	1	1ml	neat	

**Veritech Control/Receipt Number: 946**

Description
Phenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Chem Service	F65	328-88B	02/10/05	09/30/10	Akmal	1	5g	neat	

**Veritech Control/Receipt Number: 947**

Description
4-Chloro-3-methylphenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Chem Service	F22	326-123B	02/10/05	08/30/07	Akmal	1	5g	neat	

**Veritech Control/Receipt Number: 948**

Description
Acenaphthene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Chem Service	0-782	306-17B	02/10/05	06/30/09	Akmal	1	5g	neat	

**Veritech Control/Receipt Number: 950**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher Scientific	A40-4	043780	12/13/04	11/17/10	Akmal	1	4L	Neat	

## Veritech Standard Receipt Log

0948

## Veritech Control/Receipt Number: 1085

Description

TCLPhenols/benzidine Mix

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	47992-U	LB27910	04/07/05	03/31/08	Hamid, Akmal	1	1ml	2000	ppm

## Veritech Control/Receipt Number: 1086

Description

TCL Polynuclear Aromatic Hydrocarbons mix

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	48905-U	LB24244	04/07/05	12/31/07	Hamid, Akmal	1	1ml	2000	ppm

## Veritech Control/Receipt Number: 1087

Description

TCL Base-Neutrals Mix

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	47991-U	LB15949	04/07/05	11/30/06	Hamid, Akmal	1	1ml	2000	ppm

## Veritech Control/Receipt Number: 1088

Description

TCL Hazardous substances Mix

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	47990-U	LB10279	04/07/05	02/28/06	Hamid, Akmal	1	1ml	2000	ppm

## Veritech Control/Receipt Number: 1089

Description

Diphenyl Ether

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	4-8155	LB23430	04/07/05	09/30/07	Hamid, Akmal	1	1ml	2000	ppm

## Veritech Control/Receipt Number: 1090

Description

1,2,4,5-Tetrachlorobenzene

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	4-0177	LB25240	04/07/05	11/30/07	Hamid, Akmal	1	1ml	1000	ppm

## Veritech Control/Receipt Number: 1091

Description

EPA TCLP Pesticides Mix

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco	4-8139	LB09919	04/07/05	02/28/06	Hamid, Akmal	1	1ml	1000	ppm

Veritech Standard Receipt Log

6760

**Veritech Control/Receipt Number: 1218**

Description
Methylene Chloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	D151-4	050241	05/20/05	05/19/10	Hamid, Akmal	1	4L	Neat	

**Veritech Control/Receipt Number: 1225**

Description
Pyridine

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	P368-500	043764	12/16/04	12/16/08	Hamid, Akmal	1	500ml	Neat	

**Veritech Control/Receipt Number: 1234**

Description
2,3,4,6-Tetrachlorophenol

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	4-8264	1b26120	06/29/05	12/30/07	Hamid, Akmal	1	1ml	5000	ppm

**Veritech Control/Receipt Number: 1235**

Description
Pentachloroethane

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	40300-u	1b13126	06/29/05	07/30/06	Hamid, Akmal	1	1ml	5000	ppm

Veritech Standard Receipt Log

0550

**Veritech Control/Receipt Number: 1243**

Description
PHENOL MIX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	Z-014H-PAK	B5050097	07/06/05	06/05/08	Wickliffe, David	5	1 ML	2000	PPM

**Veritech Control/Receipt Number: 1245**

Description
B/N COMPOSITE MIX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	CLP-HC-PAK	B5050070	07/06/05	05/11/06	Wickliffe, David	5	1mL	2000	PPM

**Veritech Control/Receipt Number: 1246**

Description
TOXIC SUBSTANCES MIX 1

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	Z-014D-PAK	B5020076	07/06/05	07/05/08	Wickliffe, David	5	1mL	2000	PPM

Method Blank No. SMB- 2620  
Blank Spike (SMBS): 2620  
Blank Spike (SMBS): \_\_\_\_\_

Date: 08/10/05  
Matrix Spike: 18873-011; 18873-013  
Matrix Spike: \_\_\_\_\_

Analysis: BN/BNA/AE

Sample Number	# in Batch	Initial Volume	Final Volume	Fraction			Comments
				BN	BNA	AE	
MB 2620	X	30g ↓	1ml ↓		X ↓	Replacement for Batch 2614 QC.	
MBS 2620	X						
MS 18873-011	X						
MSD 18873-013	X						
<del>closed 8/10/05 RWA</del>							

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	V498	BNA SPIKE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	V204	BNA SURR

Reagent Lots: MeCl<sub>2</sub> 051907 Acetone 043785 Hexane \_\_\_\_\_ Na<sub>2</sub>SO<sub>4</sub> 052002 Ether \_\_\_\_\_  
MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: \_\_\_\_\_  
Received By: pm

Date: 08/10/05  
Date: \_\_\_\_\_

Method Blank No. WMB-2634  
 Blank Spike (MBS): 2631, 2634

Date: 8/7/05  
 Matrix Spike: 18882-004, 18892-001

Sample Number	Number in Batch	Initial Volume	Final Volume	Fraction			Comments	TCLP QC	Extract Fluid
				BN	BNA	AE			
MB 2634	X	1000ml 300ml total	1ml		X				
MB 2634	X	1000ml			↓				
18882-001	19	950ml		X					
18882-002	20	950ml		↓					
MS 18892-001	X	500ml			X				
MSD 18892-001	X				↓				
18892-001	1	↓	.5ml		↓				
18884-001	2	940ml	1ml						
18884-002	3	890ml		↑					
18884-003	4	900							
18884-004	5	850ml							
18866-001	6	1000ml							
18866-002	7	↓		↓					
18888-001	8	890ml			X				
18892-002	9	1000ml		X					
18892-003	10	860ml		↓					
18873-014	11	930ml			X				

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	2000	V1245	BN spike
↓	↓	1243	AE spike
↓	↓	V1246	AE Tox

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	V204	BNA surr

Reagent Lots: MeCl<sub>2</sub> 051907 Acetone \_\_\_\_\_ Hexane \_\_\_\_\_ Na<sub>2</sub>SO<sub>4</sub> 052002

Other \_\_\_\_\_

Relinquished By: MSA  
 Received By: \_\_\_\_\_

Date: 8/7/05  
 Date: 08/18/05



Method Blank No. SMB- 2614  
Blank Spike (SMBS): 2613, 2614  
Blank Spike (SMBS): \_\_\_\_\_

Date: 08/08/05  
Matrix Spike: 18807-021, 18873-011, 18873-013  
Matrix Spike: \_\_\_\_\_

Analysis: BN/ BNA / AE

Sample Number	# in Batch	Initial Volume	Final Volume	Fraction			Comments
				BN	BNA	AE	
MB 2614	1	30g	1ml		X		
MB 2614	1				X		
18939-001	16			X			
18845-002	17						
18845-004	18						
18870-005	19						
18830-001	20						
MS 18873-011	1						see batch 7 Wrong sample 2620 for QC / MS was initially chosen by the client.
MS 18873-013	2						
18873-012	1						
18873-001	2						
18873-002	3						
18873-003	4						
18873-015	5						
18873-005	6						
18873-006	7						
18873-007	8						
18873-008	9						
18873-009	10						
18873-010	11						
18873-016	12	30g	1ml		X		
18873-017	13						
18873-018	14						

CJC  
8/9/05

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	v-498	BNA spike

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	v 204	BNA surr

Reagent Lots: MeCL2 05907 Acetone 050776 Hexane \_\_\_\_\_ Na2SO4 052402 Ether \_\_\_\_\_

MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: CJC / PM  
Received By: \_\_\_\_\_

Date: 08/08/05  
Date: 08/09/05

Method Blank No. SMB- 2617  
 Blank Spike (SMBS): 2617  
 Blank Spike (SMBS): \_\_\_\_\_

Date: 08/09/05  
 Matrix Spike: 18955-003  
 Matrix Spike: \_\_\_\_\_

Analysis: BN/ BNA / AE

Sample Number	# in Batch	Initial Volume	Final Volume	Fraction			Comments	
				BN	BNA	AE		
MB 2617	X	30g	1ml					
MBS 2617	X						X	
MS 18955-003	X							
MSD 18955-003	X							
18955-003	1							
18873-019	2							
18873-020	3							
18955-001	4							
18955-002	5						X	
18968-002	6							
18984-001	7							
18984-002	8							
18984-003	9							
18984-005	10							
18984-006	11							
18984-007	12							
18999-001	13	30g	1ml					
18999-002	14						X	M&L
18999-003	15							
18999-004	16							

18955-001  
 18955-002  
 PM 08/11

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	V498	BNA SPIKE

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	1000/2000	V204	BNA SURR.

Reagent Lots: MeCl<sub>2</sub> 051907 Acetone 050776 Hexane \_\_\_\_\_ Na<sub>2</sub>SO<sub>4</sub> 052002 Ether \_\_\_\_\_  
 MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: PM / HSL  
 Received By: it

Date: 08/09/05  
 Date: 08/14/05

**GC PCB Data**

**GC PCB Data  
QC Summary**

FORM2  
Surrogate Recovery

Dfile	Sample#	Matrix	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2G10583.	WMB2310	Aqueous	1		80	69	44	38		
2G10647.	SMB733B	Soil	1		95	85	95	80		
2G10655.	AC18873-005	Soil	1		115	98	130	102		
2G10656.	AC18873-008	Soil	1		112	97	119	91		
2G10657.	AC18873-009	Soil	1		108	95	100	84		
2G10585.	AC18873-014	Aqueous	1		77	66	26	25		
2G10658.	AC18873-015	Soil	1		109	94	115	86		
2G10659.	AC18873-018	Soil	1		105	91	106	83		
2G10584.	WMB2310(MS)	Aqueous	1		81	69	38	39		
2G10648.	SMB733B(MS)	Soil	1		99	88	103	88		
2G10650.	AC18916-009(MS:AC	Soil	1		102	89	106	89		
2G10651.	AC18916-0010(MSD:	Soil	1		107	93	110	91		

Flags: SD=Surrogate diluted out

\*=Surrogate out

Method: 8082

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	60-150
S2=TCMX-Surrogate	100	60-150
S3=DCB-Surrogate	100	20-150
S4=DCB-Surrogate	100	20-150

Aqueous Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	60-150
S2=TCMX-Surrogate	100	60-150
S3=DCB-Surrogate	100	20-150
S4=DCB-Surrogate	100	20-150

		Data File:====>			2G10584.D											
		Data/Batch/Sample ID:====>			WMB2310(MS)											
		Date/Time:====>			08/08/05 09:10											
Compound	Limit(s)				Conc %			Conc %			Conc %			Conc %		
	Soil	Aq	Col	Mr	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
Aroclor-1016		29-131	1	0	989.8	1000	99									
Aroclor-1260		29-131	1	0	968.7	1000	97									

FORM 3  
Spike Recovery

6568

Batch Number: SMB733B

Mbs File: 2G10648.D

Mbs Name: SMB733B(MS)

Non Spk'd File: 2G10649.D

Ns Name: AC18916-008

Spike File: 2G10650.D

Ms Name: AC18916-009(MS)

Spike Dup File: 2G10651.D

Msd Name: AC18916-0010(MS)

Matrix: Soil

Method: 8082

Compound	Col	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Aroclor-1016	1	0	1000	29	131	40	1048.84	0.00	1022.59	1037.54	105	102	104	1.5
Aroclor-1260	1	0	1000	29	131	40	1044.55	0.00	1063.02	1127.07	104	106	113	5.8

**Note:**

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4  
Blank Summary

Blank Number: WMB2310  
Blank Data File: 2G10583.D  
Matrix: Aqueous

Blank Analysis Date: 08/08/05 08:56  
Blank Extraction Date: 08/05/05  
(If Applicable)

Sample Number	Data File	Analysis Date
AC18873-014	2G10585.D	08/08/05 09:25
WMB2310(MS)	2G10584.D	08/08/05 09:10



**FORM 4**  
Blank SummaryBlank Number: SMB733B  
Blank Data File: 2G10647.D  
Matrix: SoilBlank Analysis Date: 08/10/05 07:21  
Blank Extraction Date: 08/09/05  
(If Applicable)

Sample Number	Data File	Analysis Date
AC18873-005	2G10655.D	08/10/05 09:17
AC18873-008	2G10656.D	08/10/05 09:31
AC18873-009	2G10657.D	08/10/05 09:46
AC18873-015	2G10658.D	08/10/05 10:00
AC18873-018	2G10659.D	08/10/05 10:15
AC18916-0010(MS)	2G10651.D	08/10/05 08:19
AC18916-009(MS)	2G10650.D	08/10/05 08:05
SMB733B(MS)	2G10648.D	08/10/05 07:36

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G10502.	CAL 1660@50PPB	08/05/05 02:34	Soil		8.9710	0	9.2828	0
2G10503.	CAL 1660@50PPB	08/05/05 02:48	Soil		8.9584	0	9.2783	0
2G10504.	CAL 1660@200PPB	08/05/05 03:02	Soil	2G10503.	8.9572	0.0134	9.2794	0.0119
2G10505.	CAL 1660@500PPB	08/05/05 03:17	Soil	2G10503.	8.9575	0.01	9.2804	0.0226
2G10506.	CAL 1660@1000PPB	08/05/05 03:31	Soil	2G10503.	8.9577	0.0078	9.2819	0.0388
2G10507.	CAL 1660@2000PPB	08/05/05 03:46	Soil	2G10503.	8.9587	0.0034	9.2823	0.0431
2G10508.	CAL 1660@4000PPB	08/05/05 04:00	Soil	2G10503.	8.9589	0.0056	9.2830	0.0506
2G10509.	CAL 2154@500PPB	08/05/05 04:15	Soil	2G10503.	8.9595	0.0123	9.2837	0.0582
2G10510.	CAL 1248@500PPB	08/05/05 04:29	Soil	2G10503.	8.9596	0.0134	9.2843	0.0646
2G10511.	CAL 1242@500PPB	08/05/05 04:43	Soil	2G10503.	8.9603	0.0212	9.2848	0.07
2G10512.	CAL 1232@500PPB	08/05/05 04:58	Soil	2G10503.	8.9597	0.0145	9.2845	0.0668
2G10513.	SMB727B	08/05/05 06:11	Soil	2G10503.	8.9709	0.1394	9.2851	0.0733
2G10514.	SMB727B(MS)	08/05/05 06:25	Soil	2G10503.	8.9576	0.0089	9.2797	0.0151
2G10515.	AC18737-033	08/05/05 06:40	Soil	2G10503.	8.9556	0.0313	9.2795	0.0129
2G10516.	AC18919-001	08/05/05 06:54	Soil	2G10503.	8.9556	0.0313	9.2805	0.0237
2G10517.	AC18919-002	08/05/05 07:09	Soil	2G10503.	8.9571	0.0145	9.2812	0.0313
2G10518.	AC18919-003	08/05/05 07:23	Soil	2G10503.	8.9578	0.0067	9.2821	0.0409
2G10519.	SMB2405	08/05/05 07:37	Soil	2G10503.	8.9586	0.0022	9.2833	0.0539
2G10520.	SMB2405(MS)	08/05/05 07:52	Soil	2G10503.	8.9586	0.0022	9.2839	0.0603
2G10521.	AC18876-002(MS)	08/05/05 08:06	Soil	2G10503.	8.9581	0.0033	9.2834	0.0549
2G10522.	AC18876-002(MSD)	08/05/05 08:21	Soil	2G10503.	8.9590	0.0067	9.2836	0.0571
2G10523.	AC18876-002	08/05/05 08:35	Soil	2G10503.	8.9592	0.0089	9.2844	0.0657
2G10524.	AC18876-001	08/05/05 08:50	Soil	2G10503.	8.9591	0.0078	9.2859	0.0819
2G10525.	AC18778-020(MS)	08/05/05 09:04	Soil	2G10503.	8.9599	0.0167	9.2852	0.0743
2G10526.	AC18778-020(MSD)	08/05/05 09:18	Soil	2G10503.	8.9609	0.0279	9.2865	0.0883
2G10527.	AC18778-020	08/05/05 09:33	Soil	2G10503.	8.9614	0.0335	9.2866	0.0894
2G10528.	AC18737-033(10X)	08/05/05 09:47	Soil	2G10503.	8.9625	0.0458	9.2870	0.0937
2G10529.	AC18778-010	08/05/05 10:02	Soil	2G10503.	8.9604	0.0223	9.2870	0.0937
2G10530.	AC18778-011	08/05/05 10:16	Soil	2G10503.	8.9620	0.0402	9.2872	0.0959
2G10531.	AC18778-012	08/05/05 10:30	Soil	2G10503.	8.9621	0.0413	9.2877	0.1013
2G10532.	AC18778-013	08/05/05 10:45	Soil	2G10503.	8.9618	0.0379	9.2876	0.1002
2G10533.	CAL1660@1000PPB	08/05/05 10:59	Soil	2G10503.	8.9622	0.0424	9.2878	0.1023
2G10534.	AC18778-014	08/05/05 11:17	Soil	2G10533.	8.9686	0.0714	9.2911	0.0355
2G10535.	AC18778-003(R)	08/05/05 11:32	Soil	2G10533.	8.9631	0.01	9.2887	0.0097
2G10536.	TEST0805	08/05/05 11:46	Soil	2G10533.	8.9613	0.01	9.2863	0.0162
2G10537.	AC18778-024	08/05/05 12:01	Soil	2G10533.	8.9626	0.0045	9.2885	0.0075
2G10538.	AC18778-016	08/05/05 12:15	Soil	2G10533.	8.9618	0.0045	9.2873	0.0054
2G10539.	18786-009	08/05/05 12:30	Soil	2G10533.	8.9626	0.0045	9.2879	0.0011
2G10540.	AC18778-018	08/05/05 13:17	Soil	2G10533.	8.9628	0.0067	9.2880	0.0022
2G10541.	AC18778-019	08/05/05 13:46	Soil	2G10533.	8.9613	0.01	9.2870	0.0086
2G10541.	AC18919-001	08/05/05 14:00	Soil	2G10533.	8.9619	0.0034	9.2878	0
2G10541.	AC18919-002	08/05/05 14:14	Soil	2G10533.	8.9620	0.0022	9.2886	0.0086
2G10541.	AC18919-003	08/05/05 14:29	Soil	2G10533.	8.9624	0.0022	9.2884	0.0065
2G10542.	AC18778-021	08/05/05 14:43	Soil	2G10533.	8.9643	0.0234	9.2894	0.0172
2G10543.	AC18778-023	08/05/05 14:58	Soil	2G10533.	8.9640	0.0201	9.2895	0.0183
2G10544.	AC18778-022	08/05/05 15:12	Soil	2G10533.	8.9635	0.0145	9.2895	0.0183
2G10545.	AC18778-015	08/05/05 15:29	Soil	2G10533.	8.9677	0.0613	9.2906	0.0301
2G10546.	AC18778-017	08/05/05 15:43	Soil	2G10533.	8.9636	0.0156	9.2889	0.0118
2G10547.	CAL 1660@2000PPB	08/05/05 15:58	Soil	2G10533.	8.9640	0.0201	9.2896	0.0194
2G10548.	2000PPB	08/05/05 16:12	Soil	2G10547.	8.9643	0.0034	9.2897	0.0011
2G10549.	2000PPB	08/05/05 16:26	Soil	2G10547.	8.9635	0.0056	9.2893	0.0032
2G10550.	AC18778-014(R)	08/05/05 16:41	Soil	2G10547.	8.9631	0.01	9.2891	0.0054
2G10551.	AC18778-024(R)	08/05/05 16:55	Soil	2G10547.	8.9637	0.0033	9.2889	0.0075
2G10552.	test0805	08/05/05 17:10	Soil	2G10547.	8.9648	0.0089	9.2899	0.0032
2G10553.	AC18778-003(R)	08/05/05 17:24	Soil	2G10547.	8.9643	0.0034	9.2896	0
2G10554.	AC18778-010	08/05/05 17:39	Soil	2G10547.	8.9640	0	9.2899	0.0032
2G10555.	AC18778-011	08/05/05 17:53	Soil	2G10547.	8.9629	0.0123	9.2889	0.0075
2G10556.	AC18778-012	08/05/05 18:07	Soil	2G10547.	8.9634	0.0067	9.2891	0.0054
2G10557.	AC18778-013	08/05/05 18:22	Soil	2G10547.	8.9623	0.019	9.2882	0.0151
2G10558.	AC18778-014	08/05/05 18:36	Soil	2G10547.	8.9631	0.01	9.2886	0.0108
2G10559.	AC18778-015	08/05/05 18:51	Soil	2G10547.	8.9626	0.0156	9.2881	0.0161
2G10560.	AC18778-016	08/05/05 19:05	Soil	2G10547.	8.9606	0.0379	9.2868	0.0301

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/rt

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G10561.	AC18778-017	08/05/05 19:19	Soil	2G10547.	8.9614	0.029	9.2875	0.0226
2G10562.	AC18778-018	08/05/05 19:34	Soil	2G10547.	8.9629	0.0123	9.2884	0.0129
2G10563.	AC18778-019	08/05/05 19:48	Soil	2G10547.	8.9596	0.0491	9.2853	0.0463
2G10564.	AC18778-020	08/05/05 20:03	Soil	2G10547.	8.9603	0.0413	9.2859	0.0398
2G10565.	AC18778-021	08/05/05 20:17	Soil	2G10547.	8.9609	0.0346	9.2860	0.0388
2G10566.	AC18778-022	08/05/05 20:32	Soil	2G10547.	8.9598	0.0469	9.2854	0.0452
2G10567.	AC18778-023	08/05/05 20:46	Soil	2G10547.	8.9610	0.0335	9.2870	0.028
2G10568.	AC18778-024	08/05/05 21:01	Soil	2G10547.	8.9610	0.0335	9.2858	0.0409
2G10569.	CAL 1660@1000PPB	08/05/05 21:15	Soil	2G10547.	8.9610	0.0335	9.2861	0.0377
2G10570.	1000PPB	08/05/05 21:29	Soil	2G10569.	8.9596	0.0156	9.2855	0.0065
2G10571.	2000PPB	08/05/05 21:44	Soil	2G10569.	8.9592	0.0201	9.2842	0.0205
2G10572.	2000PPB	08/05/05 21:58	Soil	2G10569.	8.9601	0.01	9.2861	0

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/run

Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G10580.	CAL 1660@500PPB	08/08/05 08:12	Soil	2G10580.	8.9572	0	9.2805	0
2G10581.	AC18920-001	08/08/05 08:27	Soil	2G10580.	8.9522	0.0558	9.2782	0.0248
2G10582.	AC18907-005	08/08/05 08:41	Soil	2G10580.	8.9539	0.0368	9.2798	0.0075
2G10583.	WMB2310	08/08/05 08:56	Aqueous	2G10580.	8.9538	0.038	9.2791	0.0151
2G10584.	WMB2310(MS)	08/08/05 09:10	Aqueous	2G10580.	8.9550	0.0246	9.2806	0.0011
2G10585.	AC18873-014	08/08/05 09:25	Aqueous	2G10580.	8.9558	0.0156	9.2818	0.014
2G10586.	AC18886-009	08/08/05 09:39	Aqueous	2G10580.	8.9561	0.0123	9.2820	0.0162
2G10587.	AC18888-001	08/08/05 09:53	Aqueous	2G10580.	8.9564	0.0089	9.2826	0.0226
2G10588.	AC18916-025	08/08/05 10:08	Aqueous	2G10580.	8.9569	0.0034	9.2822	0.0183
2G10588.	test	08/08/05 10:22	Aqueous	2G10580.	8.9569	0.0034	9.2825	0.0215
2G10589.	SMB728B	08/08/05 10:37	Soil	2G10580.	8.9568	0.0045	9.2834	0.0312
2G10590.	SMB728B(MS)	08/08/05 10:51	Soil	2G10580.	8.9563	0.0101	9.2828	0.0248
2G10591.	SMB729B	08/08/05 11:06	Soil	2G10580.	8.9574	0.0022	9.2839	0.0366
2G10592.	SMB729B(MS)	08/08/05 11:20	Soil	2G10580.	8.9574	0.0022	9.2841	0.0388
2G10593.	AC18820-005	08/08/05 11:34	Soil	2G10580.	8.9567	0.0056	9.2835	0.0323
2G10594.	AC18820-005(MS)	08/08/05 11:49	Soil	2G10580.	8.9592	0.0223	9.2863	0.0625
2G10595.	AC18820-005(MSD)	08/08/05 12:03	Soil	2G10580.	8.9609	0.0413	9.2881	0.0819
2G10596.	AC18939-001	08/08/05 12:18	Soil	2G10580.	8.9615	0.048	9.2888	0.0894
2G10597.	AC18774-029	08/08/05 12:32	Soil	2G10580.	8.9630	0.0647	9.2891	0.0926
2G10598.	AC18807-001	08/08/05 12:47	Soil	2G10580.	8.9620	0.0536	9.2890	0.0915
2G10599.	AC18807-004	08/08/05 13:10	Soil	2G10580.	8.9669	0.1082	9.2897	0.0991
2G10600.	CAL 1660@1000PPB	08/08/05 13:25	Soil	2G10580.	8.9622	0.0558	9.2882	0.0829
2G10601.	SMB730B(MS)	08/08/05 13:39	Soil	2G10600.	8.9616	0.0067	9.2878	0.0043
2G10602.	SMB730B	08/08/05 13:54	Soil	2G10600.	8.9617	0.0056	9.2880	0.0022
2G10603.	AC18820-001	08/08/05 14:08	Soil	2G10600.	8.9620	0.0022	9.2890	0.0086
2G10604.	AC18820-002	08/08/05 14:22	Soil	2G10600.	8.9625	0.0033	9.2892	0.0108
2G10605.	AC18820-003	08/08/05 14:37	Soil	2G10600.	8.9644	0.0245	9.2913	0.0334
2G10606.	AC18820-004	08/08/05 14:51	Soil	2G10600.	8.9658	0.0402	9.2929	0.0506
2G10607.	AC18807-023	08/08/05 15:06	Soil	2G10600.	8.9653	0.0346	9.2923	0.0441
2G10608.	AC18807-014	08/08/05 15:20	Soil	2G10600.	8.9656	0.0379	9.2911	0.0312
2G10609.	AC18807-017	08/08/05 15:34	Soil	2G10600.	8.9647	0.0279	9.2911	0.0312
2G10610.	AC18807-020	08/08/05 15:49	Soil	2G10600.	8.9648	0.029	9.2914	0.0344
2G10611.	AC18807-008	08/08/05 16:03	Soil	2G10600.	8.9643	0.0234	9.2911	0.0312
2G10612.	AC18848-006	08/08/05 16:18	Soil	2G10600.	8.9633	0.0123	9.2898	0.0172
2G10613.	AC18848-007	08/08/05 16:32	Soil	2G10600.	8.9636	0.0156	9.2897	0.0161
2G10614.	AC18848-008	08/08/05 16:47	Soil	2G10600.	8.9623	0.0011	9.2892	0.0108
2G10615.	AC18845-002	08/08/05 17:01	Soil	2G10600.	8.9629	0.0078	9.2891	0.0097
2G10616.	AC18845-004	08/08/05 17:16	Soil	2G10600.	8.9628	0.0067	9.2890	0.0086
2G10617.	AC18845-007	08/08/05 17:30	Soil	2G10600.	8.9620	0.0022	9.2893	0.0118
2G10618.	AC18845-010	08/08/05 17:44	Soil	2G10600.	8.9614	0.0089	9.2875	0.0075
2G10619.	AC18845-012	08/08/05 17:59	Soil	2G10600.	8.9609	0.0145	9.2870	0.0129
2G10620.	500PPB	08/08/05 18:13	Soil	2G10600.	8.9611	0.0123	9.2872	0.0108
2G10621.	500PPB	08/08/05 18:28	Soil	2G10600.	8.9611	0.0123	9.2869	0.014
2G10622.	CAL 1660@2000PPB	08/08/05 18:42	Soil	2G10600.	8.9612	0.0112	9.2872	0.0108
2G10623.	2000PPB	08/08/05 18:56	Soil	2G10622.	8.9611	0.0011	9.2868	0.0043

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G10639.	CAL 1660@200PPB	08/10/05 05:15	Soil	2G10639.	8.9572	0	9.2740	0
2G10640.	SMB732B	08/10/05 05:32	Soil	2G10639.	8.9556	0.0179	9.2746	0.0065
2G10641.	SMB732B(MS)	08/10/05 05:46	Soil	2G10639.	8.9521	0.057	9.2741	0.0011
2G10642.	AC18825-004	08/10/05 06:01	Soil	2G10639.	8.9515	0.0637	9.2742	0.0022
2G10643.	AC18968-001	08/10/05 06:15	Soil	2G10639.	8.9528	0.0491	9.2747	0.0075
2G10644.	AC18968-002	08/10/05 06:38	Soil	2G10639.	8.9583	0.0123	9.2771	0.0334
2G10645.	AC18869-001	08/10/05 06:53	Soil	2G10639.	8.9545	0.0301	9.2761	0.0226
2G10646.	AC18848-009(R)	08/10/05 07:07	Soil	2G10639.	8.9540	0.0357	9.2764	0.0259
2G10647.	SMB733B	08/10/05 07:21	Soil	2G10639.	8.9546	0.029	9.2762	0.0237
2G10648.	SMB733B(MS)	08/10/05 07:36	Soil	2G10639.	8.9551	0.0234	9.2770	0.0323
2G10649.	AC18916-008	08/10/05 07:50	Soil	2G10639.	8.9543	0.0324	9.2765	0.0269
2G10650.	AC18916-009(MS:AC18	08/10/05 08:05	Soil	2G10639.	8.9548	0.0268	9.2772	0.0345
2G10651.	AC18916-0010(MSD:AC	08/10/05 08:19	Soil	2G10639.	8.9545	0.0301	9.2770	0.0323
2G10652.	AC18932-001	08/10/05 08:34	Soil	2G10639.	8.9553	0.0212	9.2777	0.0399
2G10653.	AC18937-001	08/10/05 08:48	Soil	2G10639.	8.9565	0.0078	9.2789	0.0528
2G10654.	AC18886-008	08/10/05 09:02	Soil	2G10639.	8.9561	0.0123	9.2787	0.0507
2G10655.	AC18873-005	08/10/05 09:17	Soil	2G10639.	8.9561	0.0123	9.2786	0.0496
2G10656.	AC18873-008	08/10/05 09:31	Soil	2G10639.	8.9557	0.0167	9.2783	0.0464
2G10657.	AC18873-009	08/10/05 09:46	Soil	2G10639.	8.9563	0.0101	9.2789	0.0528
2G10658.	AC18873-015	08/10/05 10:00	Soil	2G10639.	8.9576	0.0045	9.2804	0.069
2G10659.	AC18873-018	08/10/05 10:15	Soil	2G10639.	8.9595	0.0257	9.2822	0.0884
2G10660.	CAL 1660@500PPB	08/10/05 10:29	Soil	2G10639.	8.9591	0.0212	9.2825	0.0916
2G10661.	WMB2312	08/10/05 10:43	Aqueous	2G10660.	8.9591	0	9.2821	0.0043
2G10662.	WMB2312(MS)	08/10/05 10:58	Aqueous	2G10660.	8.9604	0.0145	9.2831	0.0065
2G10663.	AC18991-001(MS)	08/10/05 11:12	Aqueous	2G10660.	8.9604	0.0145	9.2817	0.0086
2G10664.	AC18991-001(MSD)	08/10/05 11:27	Aqueous	2G10660.	8.9603	0.0134	9.2817	0.0086
2G10665.	AC18991-001	08/10/05 11:41	Aqueous	2G10660.	8.9607	0.0179	9.2817	0.0086
2G10666.	AC18991-002	08/10/05 11:56	Aqueous	2G10660.	8.9597	0.0067	9.2826	0.0011
2G10667.	AC18991-003	08/10/05 12:10	Aqueous	2G10660.	8.9605	0.0156	9.2853	0.0302
2G10668.	AC18991-004	08/10/05 12:25	Aqueous	2G10660.	8.9611	0.0223	9.2828	0.0032
2G10669.	AC18940-005	08/10/05 12:39	Aqueous	2G10660.	8.9611	0.0223	9.2832	0.0075
2G10670.	AC18991-003(100X)	08/10/05 12:53	Aqueous	2G10660.	0.0000	200 *	9.2898	0.0786
2G10671.	AC18916-001	08/10/05 13:08	Soil	2G10660.	8.9605	0.0156	9.2826	0.0011
2G10672.	AC18916-004	08/10/05 13:22	Soil	2G10660.	8.9613	0.0246	9.2837	0.0129
2G10673.	AC18916-005	08/10/05 13:37	Soil	2G10660.	8.9611	0.0223	9.2835	0.0108
2G10674.	AC18916-013	08/10/05 13:51	Soil	2G10660.	8.9608	0.019	9.2838	0.014
2G10675.	AC18916-016	08/10/05 14:06	Soil	2G10660.	8.9608	0.019	9.2829	0.0043
2G10676.	AC18916-019	08/10/05 14:20	Soil	2G10660.	8.9609	0.0201	9.2823	0.0022
2G10677.	AC18916-022	08/10/05 14:35	Soil	2G10660.	8.9606	0.0167	9.2824	0.0011
2G10678.	AC18888-002	08/10/05 14:49	Soil	2G10660.	8.9615	0.0268	9.2837	0.0129
2G10681.	TEST	08/10/05 15:32	Soil	2G10660.	8.9618	0.0301	9.2836	0.0118
2G10683.	CAL 1660@2000PPB	08/10/05 16:01	Soil	2G10660.	8.9619	0.0312	9.2840	0.0162
2G10684.	AC18888-005	08/10/05 16:16	Soil	2G10683.	8.9626	0.0078	9.2846	0.0065
2G10685.	CAL 1660@2000PPB	08/10/05 16:30	Soil	2G10683.	8.9625	0.0067	9.2844	0.0043
2G10686.	CAL 1660@500PPB	08/10/05 16:44	Soil	2G10683.	8.9625	0.0067	9.2845	0.0054
2G10687.	CAL 1660@500PPB	08/10/05 16:59	Soil	2G10683.	8.9626	0.0078	9.2850	0.0108

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/run

**GC PCB Data**  
**Sample Data**

**Form1**  
ORGANICS PCB REPORT

Sample Number: AC18873-005	Matrix: Soil
Client Id: PCSB-43(0.5')	Initial Vol: 20g
Data File: 2G10655.D	Final Vol: 10ml
Analysis Date: 08/10/05 09:17	Dilution: 1
Date Rec/Extracted: 08/02/05-08/09/05	Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	12672-29-6	Aroclor-1248	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11141-16-5	Aroclor-1232	0.027	U	11096-82-5	Aroclor-1260	0.027	0.16
53469-21-9	Aroclor-1242	0.027	U				

Worksheet #: 18117

**Total Target Concentration 0.16**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

8858

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10655.D\ECD1A.CH Vial: 17  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10655.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:17 Operator: JK  
 Sample : AC18873-005 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 9:28 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	2253000	1428666	115.347	97.859
9) Aroclor-1260 {3}	7.10	7.39	345055	351565	385.820m	207.663 #
10) Aroclor-1260 {4}	7.42	7.93	501998	221648	227.753	264.598
11) Aroclor-1260 {5}	7.82	8.47	431596	130709	264.650	234.109
35) DCB-Surrogate	8.96	9.28	2787356	1535603	130.032	101.693

*08/11/05*

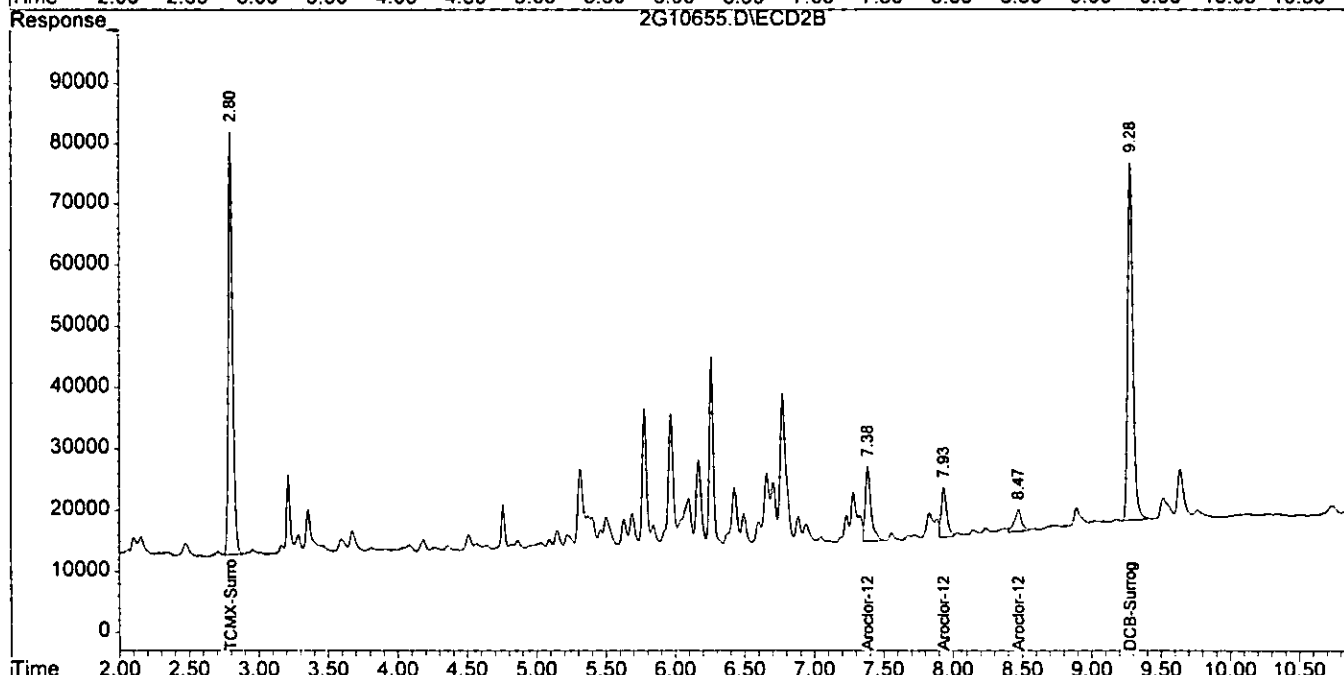
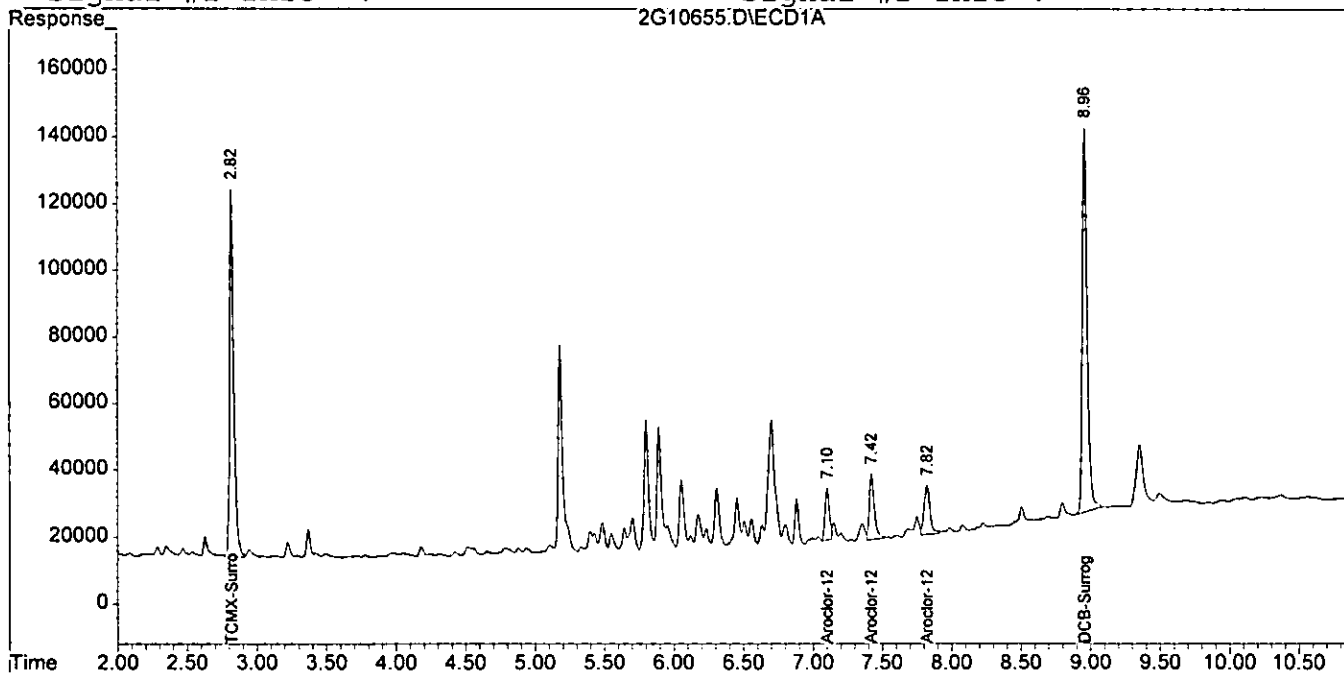


Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10655.D\ECD1A.CH Vial: 17  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10655.D\ECD2B.CH  
Acq On : 10 Aug 2005 9:17 Operator: JK  
Sample : AC18873-005 Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 10 9:28 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Aug 05 07:46:38 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**Form1**  
ORGANICS PCB REPORT

Sample Number: AC18873-008	Matrix: Soil
Client Id: PCSB-42(0.5')	Initial Vol: 20g
Data File: 2G10656.D	Final Vol: 10ml
Analysis Date: 08/10/05 09:31	Dilution: 1
Date Rec/Extracted: 08/02/05-08/09/05	Solids: 97

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.026	U	12672-29-6	Aroclor-1248	0.026	U
11104-28-2	Aroclor-1221	0.026	U	11097-69-1	Aroclor-1254	0.026	U
11141-16-5	Aroclor-1232	0.026	U	11096-82-5	Aroclor-1260	0.026	0.051
53469-21-9	Aroclor-1242	0.026	U				

Worksheet #: 18117

**Total Target Concentration 0.051**

U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

1750

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10656.D\ECD1A.CH Vial: 18  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10656.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:31 Operator: JK  
 Sample : AC18873-008 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 9:47 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	2189134	1413107	112.078	96.794
7) Aroclor-1260 {1}	6.05	6.17	120534	83247	119.609	107.424
9) Aroclor-1260 {3}	7.10	7.38	78273	147527	87.521	87.141
10) Aroclor-1260 {4}	7.42	7.93	171776	85790	77.934	102.414m#
11) Aroclor-1260 {5}	7.82	8.47	159727	56507	97.943	101.209m
35) DCB-Surrogate	8.96	9.28	2549242	1380840	118.515	91.444

08/11/05

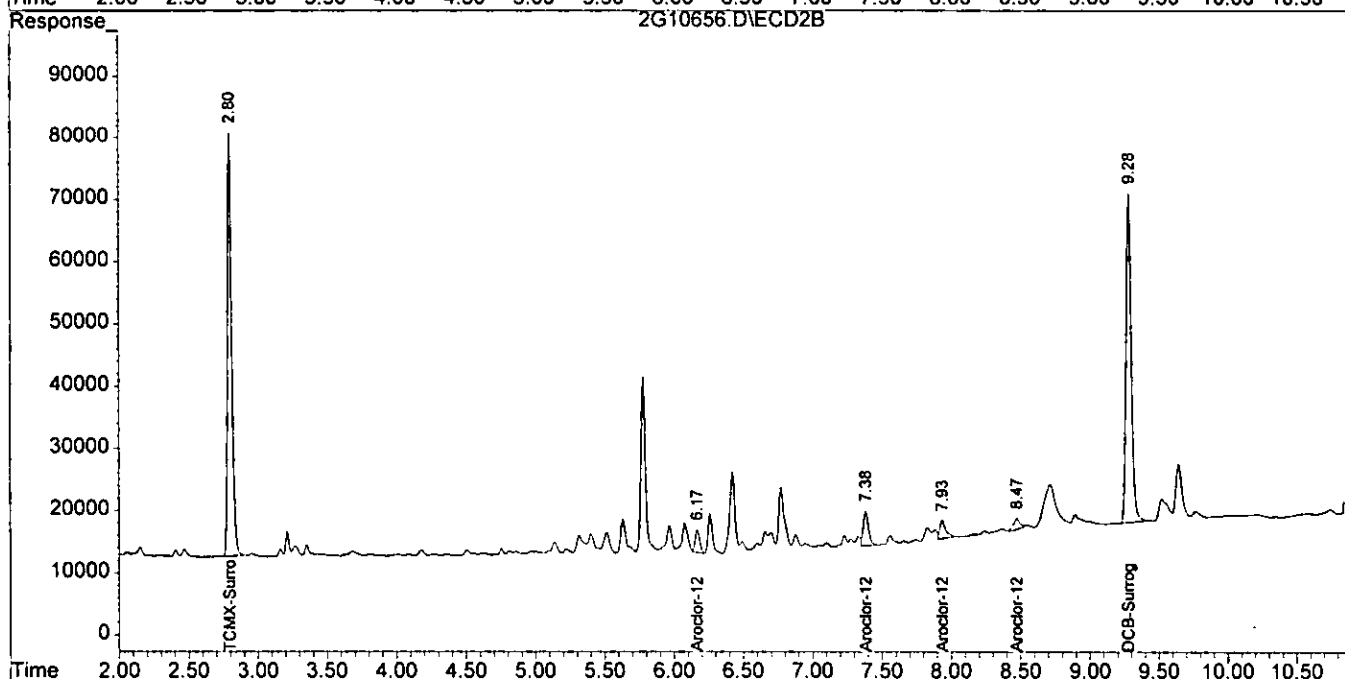
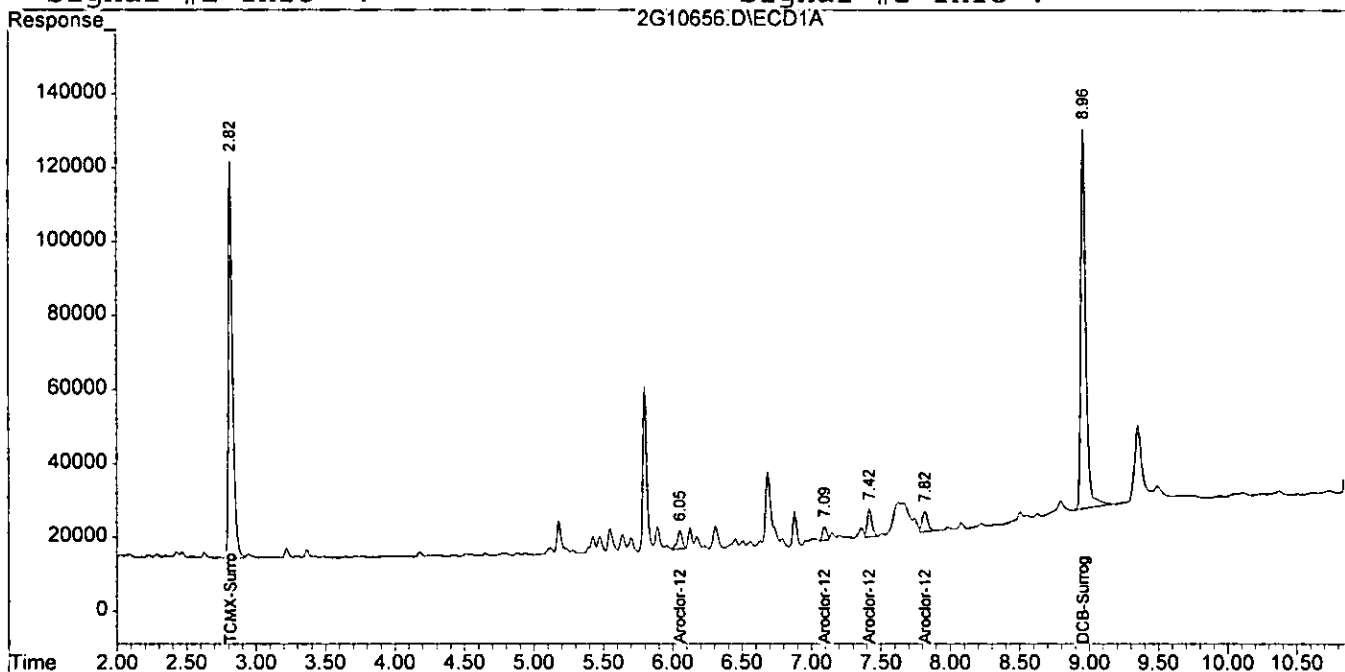
Quantitation Report

0972  
2750

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10656.D\ECD1A.CH Vial: 18  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10656.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:31 Operator: JK  
 Sample : AC18873-008 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 9:47 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**Form1**  
ORGANICS PCB REPORT

Sample Number: AC18873-009	Matrix: Soil
Client Id: PCSB-242(0.5')	Initial Vol: 20g
Data File: 2G10657.D	Final Vol: 10ml
Analysis Date: 08/10/05 09:46	Dilution: 1
Date Rec/Extracted: 08/02/05-08/09/05	Solids: 95

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.026	U	12672-29-6	Aroclor-1248	0.026	U
11104-28-2	Aroclor-1221	0.026	U	11097-69-1	Aroclor-1254	0.026	U
11141-16-5	Aroclor-1232	0.026	U	11096-82-5	Aroclor-1260	0.026	U
53469-21-9	Aroclor-1242	0.026	U				

Worksheet #: 18117

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

897758

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10657.D\ECD1A.CH Vial: 19  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10657.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:46 Operator: JK  
 Sample : AC18873-009 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 9:55 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	2102027	1385103	107.618	94.876
35) DCB-Surrogate	8.96	9.28	2163163	1275631	99.841	84.477

*08/11/05*

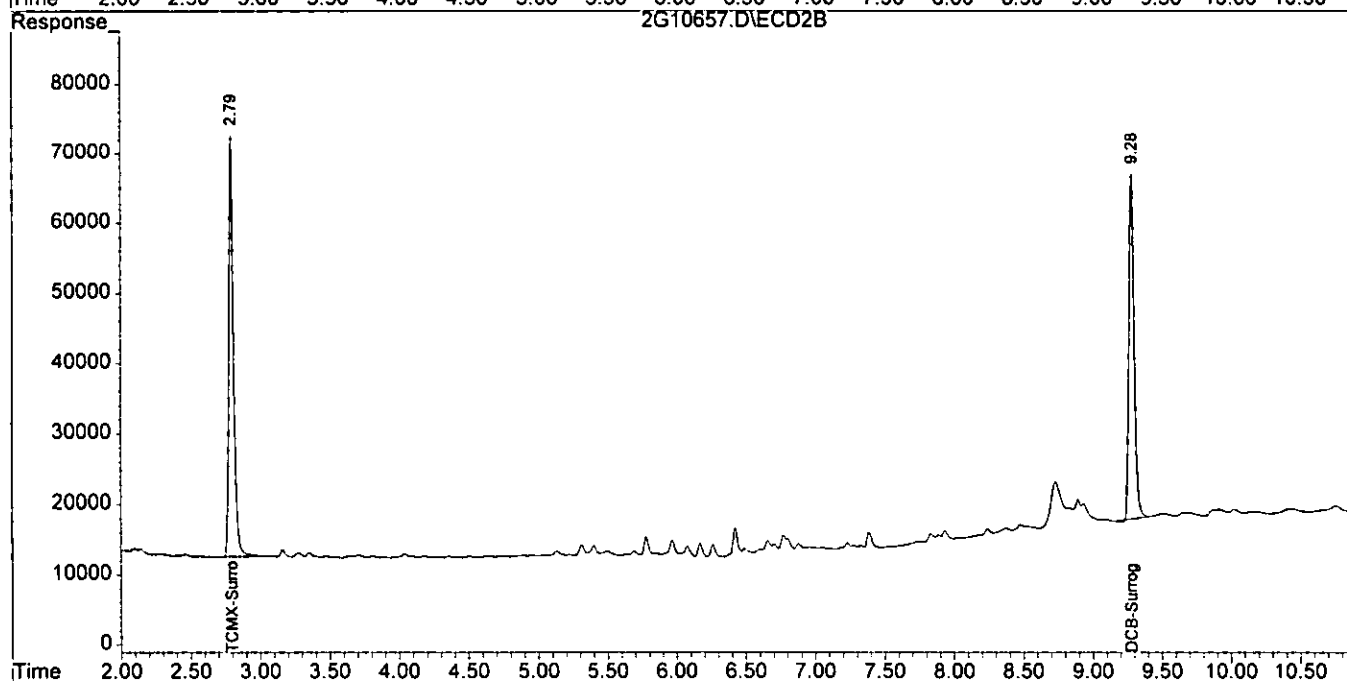
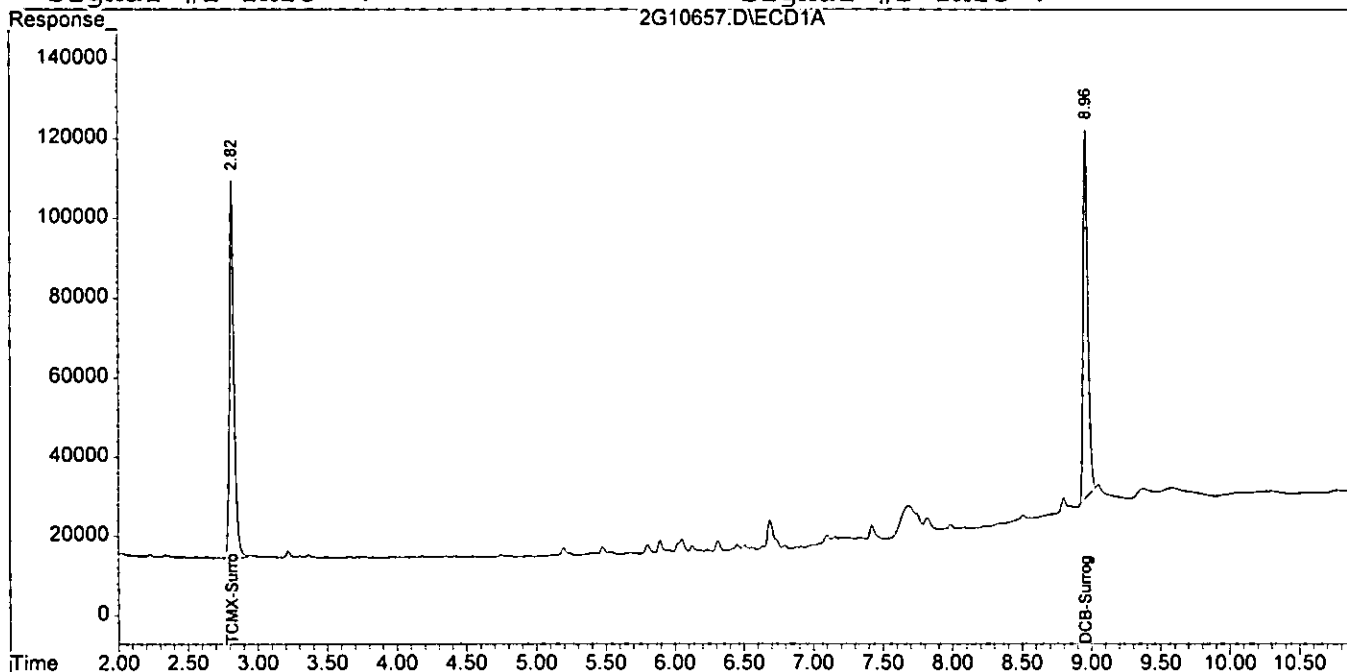
Quantitation Report

5260

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10657.D\ECD1A.CH Vial: 19  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10657.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:46 Operator: JK  
 Sample : AC18873-009 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 9:55 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**Form1**  
ORGANICS PCB REPORT

Sample Number: AC18873-014  
 Client Id: FB080105  
 Data File: 2G10585.D  
 Analysis Date: 08/08/05 09:25  
 Date Rec/Extracted: 08/02/05-08/05/05

Matrix: Aqueous  
 Initial Vol: 975ml  
 Final Vol: 5ml  
 Dilution: 1  
 Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.26	U	12672-29-6	Aroclor-1248	0.26	U
11104-28-2	Aroclor-1221	0.26	U	11097-69-1	Aroclor-1254	0.26	U
11141-16-5	Aroclor-1232	0.26	U	11096-82-5	Aroclor-1260	0.26	U
53469-21-9	Aroclor-1242	0.26	U				

Worksheet #: 18117

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*



09-17

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10585.D\ECD1A.CH Vial: 6  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10585.D\ECD2B.CH  
 Acq On : 8 Aug 2005 9:25 Operator: JK  
 Sample : AC18873-014 Inst : gc\_2  
 Misc : A,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 9:34 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	1496960	961902	76.640	65.887
35) DCB-Surrogate	8.96	9.28	635454	376030	25.947	24.902

*08/11/05*

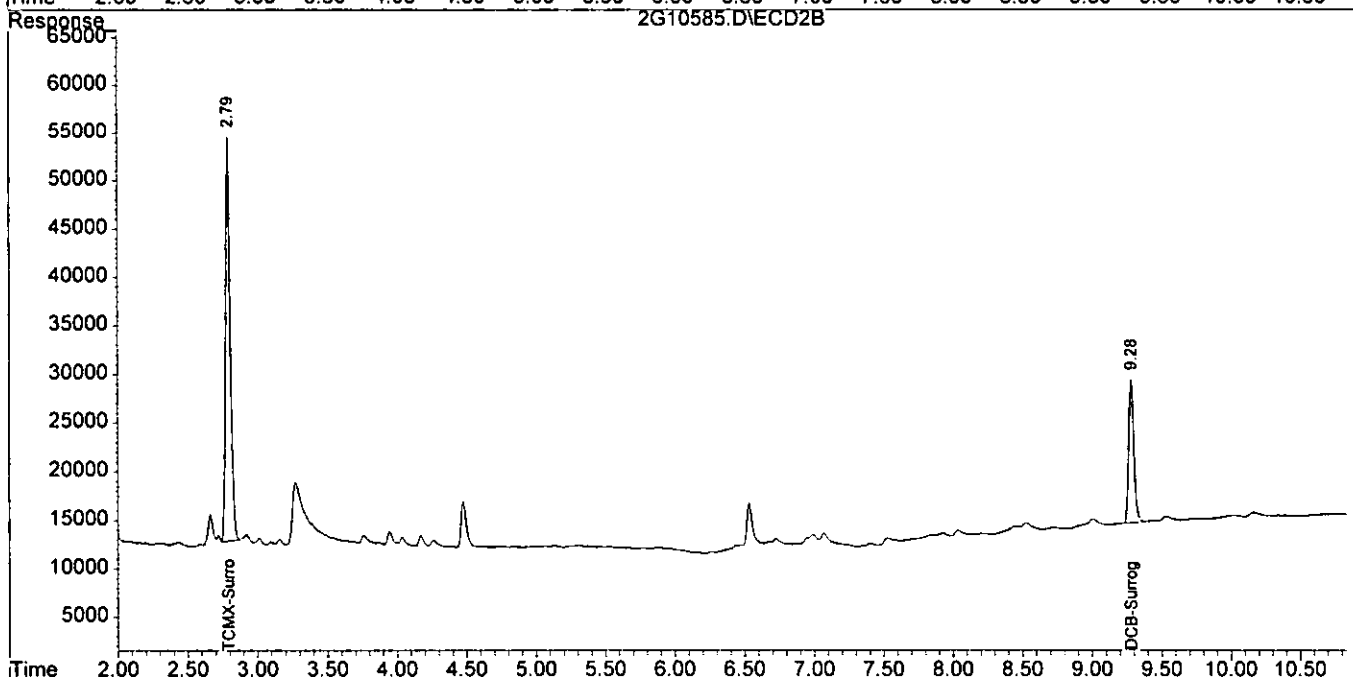
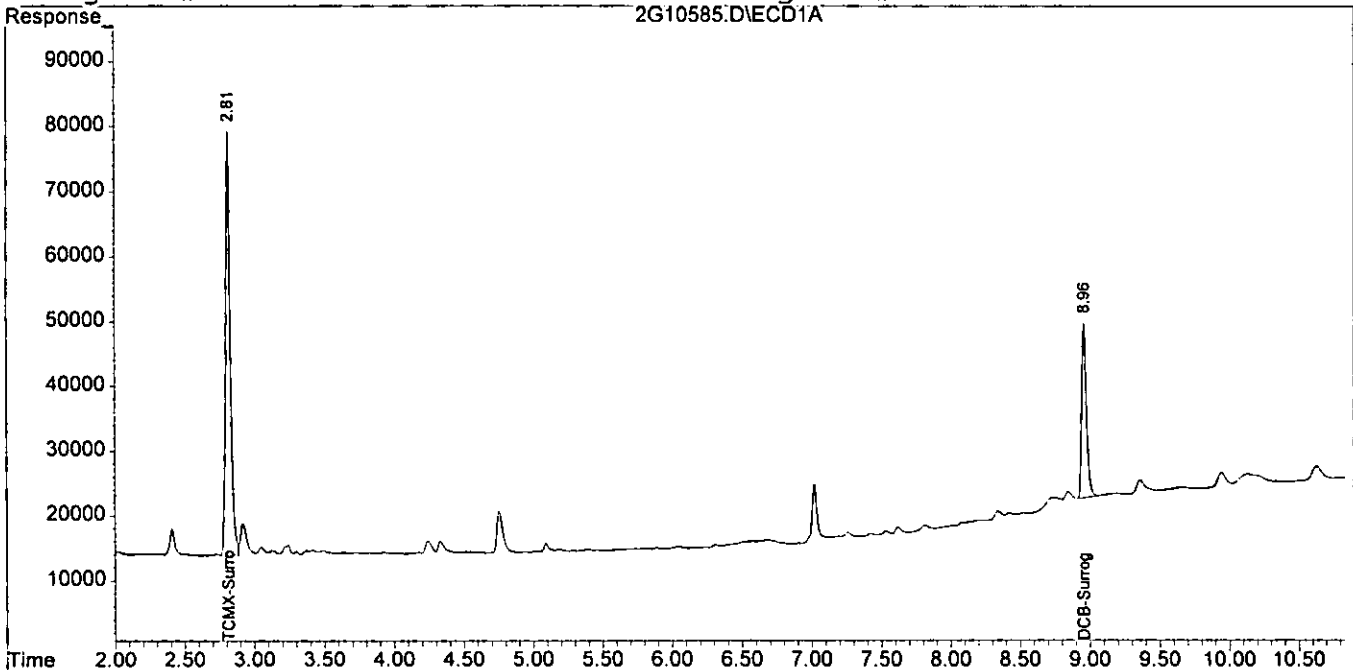
Quantitation Report

097-0750

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10585.D\ECD1A.CH Sial: 6  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10585.D\ECD2B.CH  
 Acq On : 8 Aug 2005 9:25 Operator: JK  
 Sample : AC18873-014 Inst : gc\_2  
 Misc : A,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 9:34 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**Form1**  
ORGANICS PCB REPORT

0979

Sample Number: AC18873-015  
Client Id: PCSB-35(0.5')  
Data File: 2G10658.D  
Analysis Date: 08/10/05 10:00  
Date Rec/Extracted: 08/02/05-08/09/05

Matrix: Soil  
Initial Vol: 20g  
Final Vol: 10ml  
Dilution: 1  
Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.026	U	12672-29-6	Aroclor-1248	0.026	U
11104-28-2	Aroclor-1221	0.026	U	11097-69-1	Aroclor-1254	0.026	U
11141-16-5	Aroclor-1232	0.026	U	11096-82-5	Aroclor-1260	0.026	0.066
53469-21-9	Aroclor-1242	0.026	U				

Worksheet #: 18117

**Total Target Concentration 0.066**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

0988

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10658.D\ECD1A.CH Vial: 20  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10658.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:00 Operator: JK  
 Sample : AC18873-015 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:11 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	2121884	1370480	108.635	93.874
7) Aroclor-1260 {1}	6.05	6.17	137187	101745	136.134m	131.294
9) Aroclor-1260 {3}	7.10	7.39	112189	193823	125.443	114.488
10) Aroclor-1260 {4}	7.42	7.93	277776	110906	126.025	132.397m
11) Aroclor-1260 {5}	7.82	8.47	197329	69403	121.000m	124.306m
35) DCB-Surrogate	8.96	9.28	2469203	1304386	114.644	86.381

08/11/05

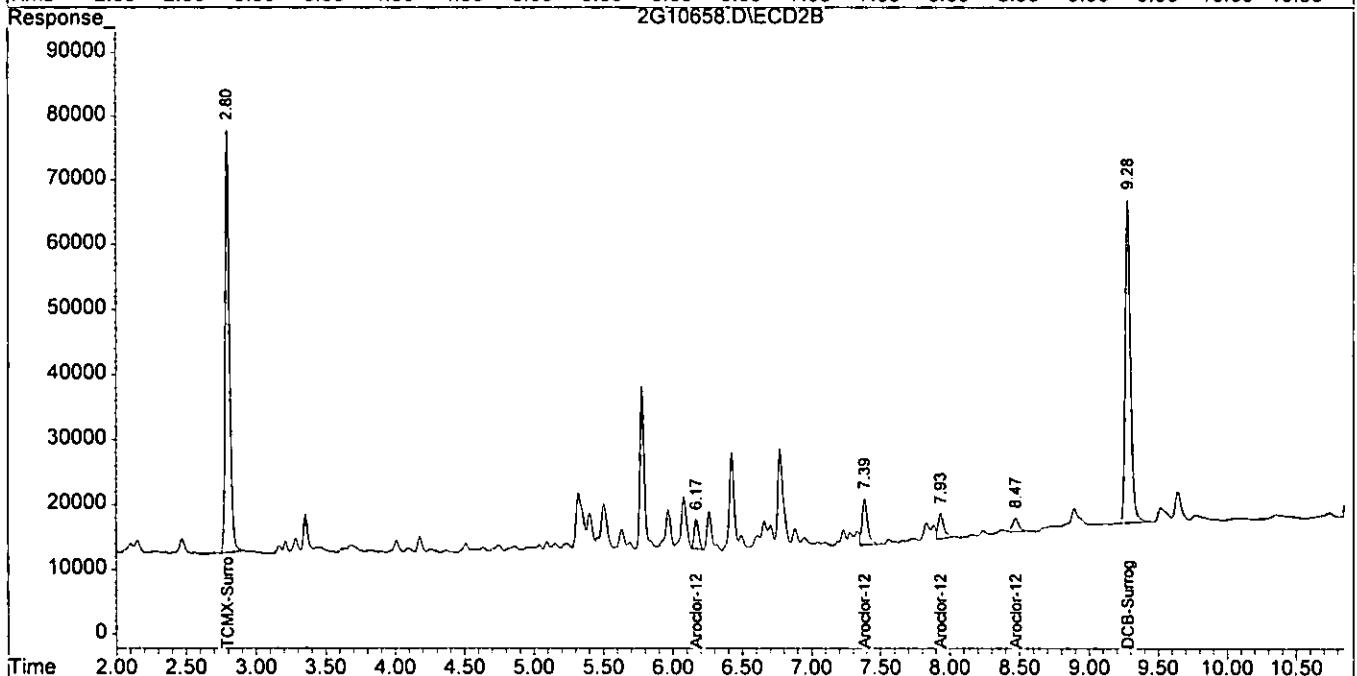
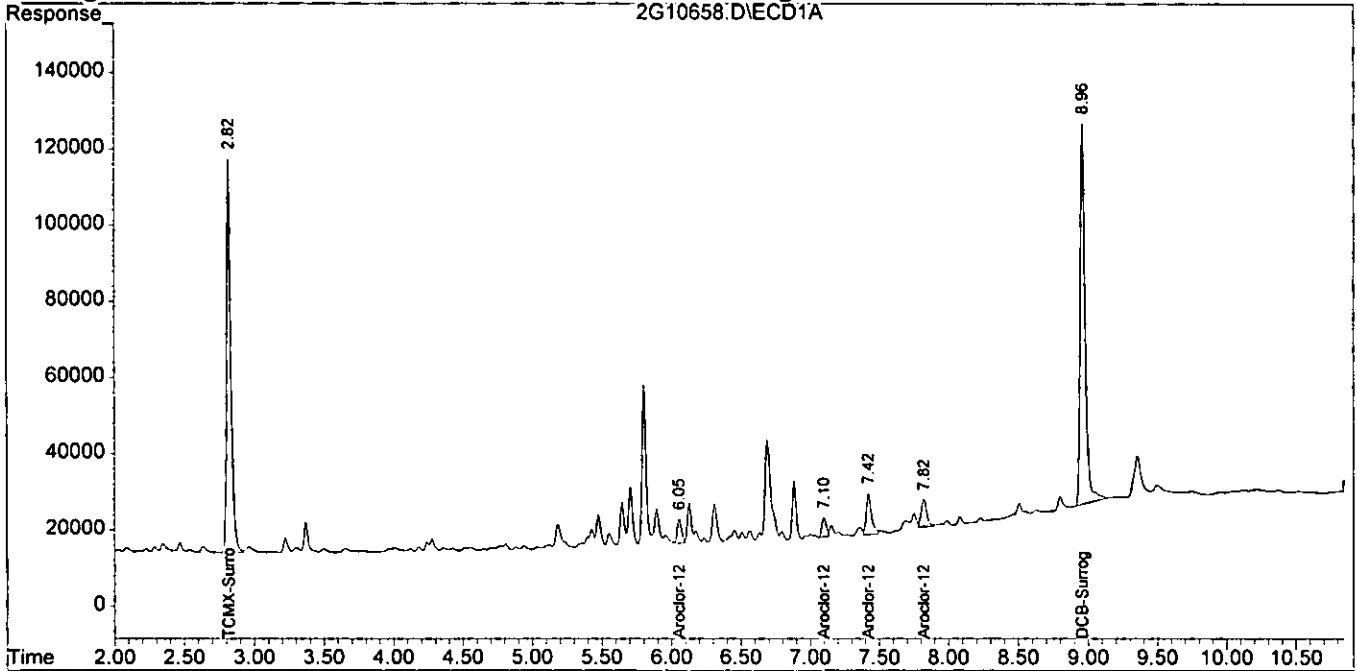
Quantitation Report

1958

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10658.D\ECD1A.CH Vial: 20  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10658.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:00 Operator: JK  
 Sample : AC18873-015 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:11 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**Form1**  
ORGANICS PCB REPORT

Sample Number: AC18873-018  
 Client Id: PCSB-52(0.5')  
 Data File: 2G10659.D  
 Analysis Date: 08/10/05 10:15  
 Date Rec/Extracted: 08/02/05-08/09/05

Matrix: Soil  
 Initial Vol: 20g  
 Final Vol: 10ml  
 Dilution: 1  
 Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	12672-29-6	Aroclor-1248	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11141-16-5	Aroclor-1232	0.027	U	11096-82-5	Aroclor-1260	0.027	0.12
53469-21-9	Aroclor-1242	0.027	U				

Worksheet #: 18117

**Total Target Concentration 0.12**

*U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

08/11/05

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10659.D\ECD1A.CH Vial: 21  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10659.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:15 Operator: JK  
 Sample : AC18873-018 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:30 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	2057649	1322771	105.346	90.606
7) Aroclor-1260 {1}	6.05	6.17	241069	184943	239.220m	238.653
9) Aroclor-1260 {3}	7.10	7.39	208922	306225	233.605m	180.881
10) Aroclor-1260 {4}	7.42	7.94	446065	179131	202.377	213.842
11) Aroclor-1260 {5}	7.82	8.48	365120	128887	223.888	230.846m
35) DCB-Surrogate	8.96	9.28	2294598	1260270	106.198	83.460

*08/11/05*

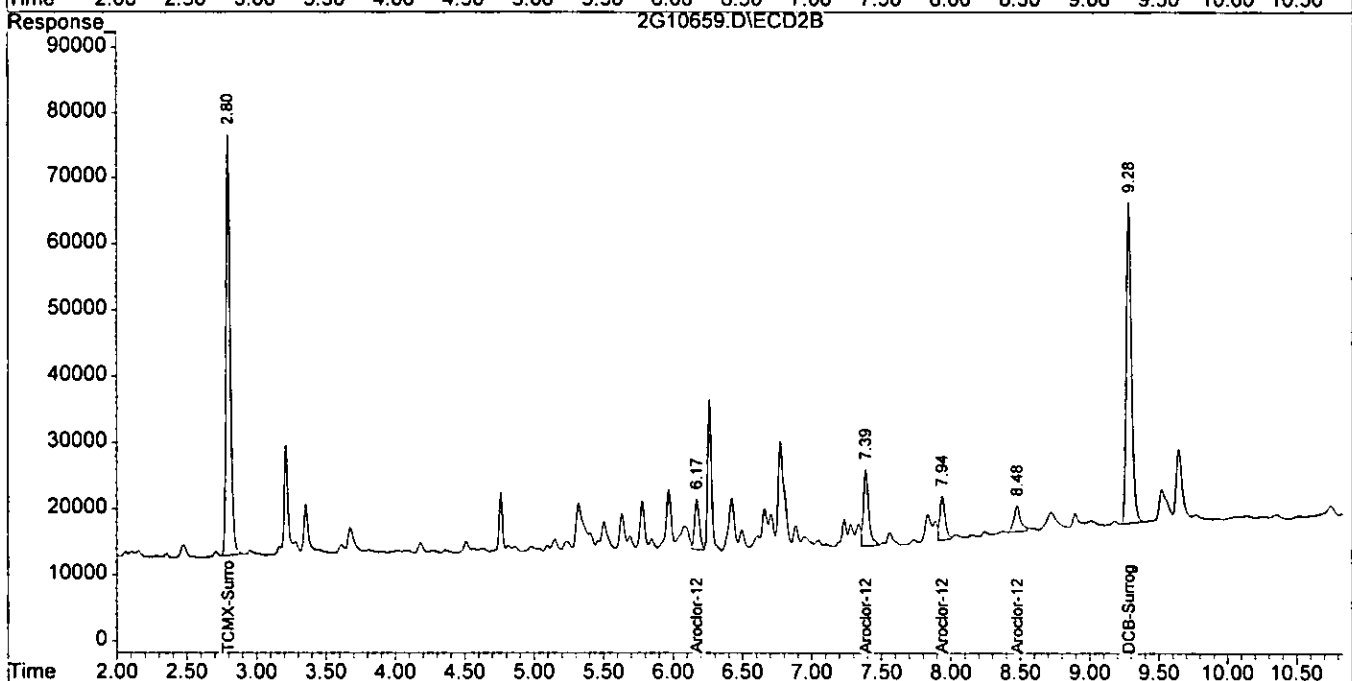
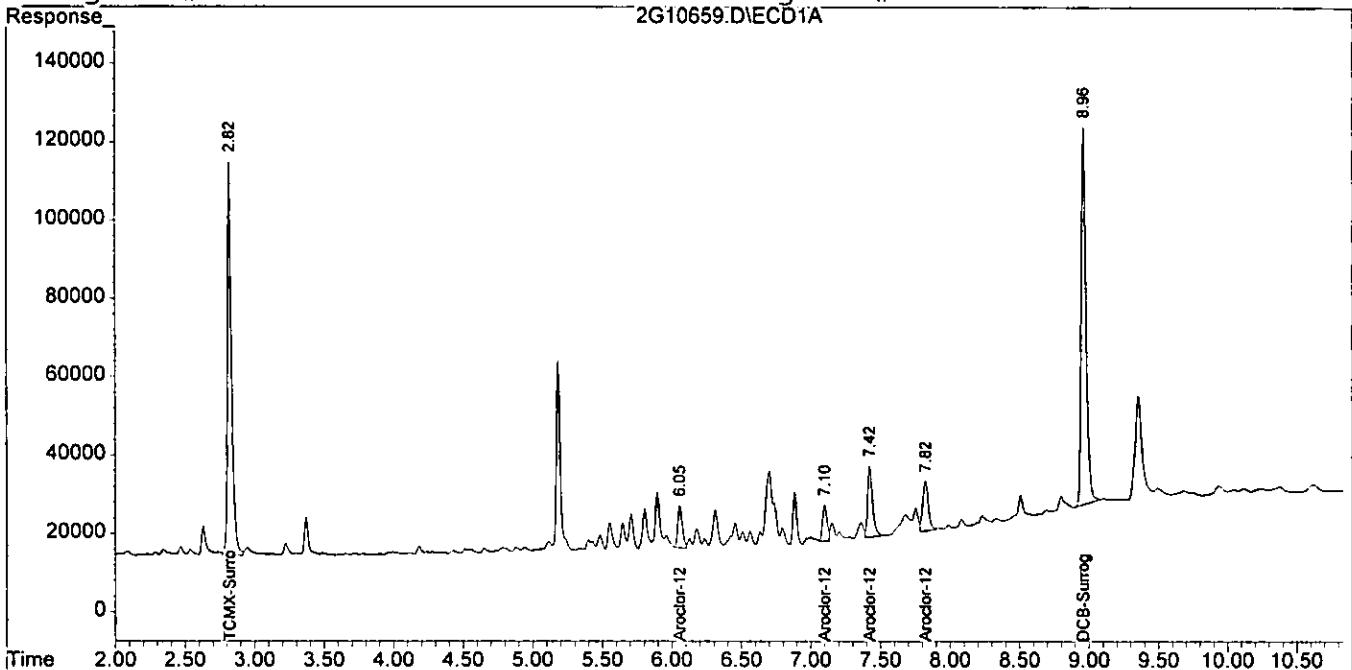
Quantitation Report

1858

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10659.D\ECD1A.CH Vial: 21  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10659.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:15 Operator: JK  
 Sample : AC18873-018 Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:30 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :





**GC PCB Data  
Standards Data**

# Form 6

## Initial Calibration

Instrument: GC\_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations									
								Lv1	Lv2	Lv3	Lv4	Lv5	Lv6	Lv7	Lv8		
1	2G10503.	CAL 1660@500PPB	08/05/05 02:48	2	2G10504.	CAL 1660@200PPB	08/05/05 03:02	5.00	20.00	50.00	100.00	200.00	400.00				
3	2G10505.	CAL 1660@500PPB	08/05/05 03:17	4	2G10506.	CAL 1660@1000PPB	08/05/05 03:31	50.00	200.00	500.00	1000.00	2000.00	4000.00				
5	2G10507.	CAL 1660@2000PPB	08/05/05 03:46	6	2G10508.	CAL 1660@4000PPB	08/05/05 04:00	50.00	200.00	500.00	1000.00	2000.00	4000.00				
7	2G10512.	CAL 1232@500PPB	08/05/05 04:58	8	2G10511.	CAL 1242@500PPB	08/05/05 04:43	50.00	200.00	500.00	1000.00	2000.00	4000.00				
9	2G10510.	CAL 1248@500PPB	08/05/05 04:29	10	2G10509.	CAL 2154@500PPB	08/05/05 04:15	50.00	200.00	500.00	1000.00	2000.00	4000.00				
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	
TCMX-Surrogate	1	0	Avg	1.7693	2.0031	2.0470	2.0681	1.9559	1.8757	---	---	1.95	2.81	0.999	1.00	5.8	
Aroclor-1016	1	1	Avg	0.0430	0.0476	0.0471	0.0459	0.0414	0.0379	---	---	0.0439	3.35	0.996	1.00	8.6	
Aroclor-1016	1	2	Avg	0.0851	0.0928	0.0885	0.0844	0.0757	0.0696	---	---	0.0827	3.71	0.997	1.00	10	
Aroclor-1016	1	3	Avg	0.1856	0.1932	0.1857	0.1779	0.1599	0.1489	---	---	0.175	4.17	0.997	1.00	9.8	
Aroclor-1016	1	4	Avg	0.1128	0.1269	0.1238	0.1182	0.1057	0.0970	---	---	0.114	4.53	0.996	1.00	9.9	
Aroclor-1016	1	5	Qua	0.1524	0.1096	0.0946	0.0834	0.0715	0.0661	---	---	0.0963	4.78	0.997	0.999	33	
Aroclor-1260	1	1	Avg	0.1087	0.1109	0.1069	0.1020	0.0907	0.0852	---	---	0.101	6.05	0.998	0.999	10	
Aroclor-1260	1	2	Avg	0.1224	0.1344	0.1290	0.1236	0.1117	0.1038	---	---	0.121	6.31	0.997	1.00	9.3	
Aroclor-1260	1	3	Avg	0.0994	0.0968	0.0869	0.0901	0.0839	0.0791	---	---	0.0894	7.09	0.999	1.00	8.6	
Aroclor-1260	1	4	Avg	0.1958	0.2271	0.2316	0.2336	0.2198	0.2143	---	---	0.220	7.42	0.999	1.00	6.4	
Aroclor-1260	1	5	Avg	0.1525	0.1722	0.1730	0.1664	0.1575	0.1567	---	---	0.163	7.82	1.00	1.00	5.3	
Aroclor-1221	1	1	Avg	---	---	---	---	---	---	---	---	0.0285	3.14	-1	-1	Lv=10	
Aroclor-1221	1	2	Avg	---	---	---	---	---	---	---	---	0.0180	3.29	-1	-1	Lv=10	
Aroclor-1221	1	3	Avg	---	---	---	---	---	---	---	---	0.0740	3.35	-1	-1	Lv=10	
Aroclor-1232	1	1	Avg	---	---	---	---	---	---	---	---	0.0547	3.35	-1	-1	Lv=7	
Aroclor-1232	1	2	Avg	---	---	---	---	---	---	---	---	0.0486	3.71	-1	-1	Lv=7	
Aroclor-1232	1	3	Avg	---	---	---	---	---	---	---	---	0.0950	4.18	-1	-1	Lv=7	
Aroclor-1232	1	4	Avg	---	---	---	---	---	---	---	---	0.0663	4.54	-1	-1	Lv=7	
Aroclor-1232	1	5	Avg	---	---	---	---	---	---	---	---	0.0602	4.78	-1	-1	Lv=7	
Aroclor-1242	1	1	Avg	---	---	---	---	---	---	---	---	0.0448	3.35	-1	-1	Lv=8	
Aroclor-1242	1	2	Avg	---	---	---	---	---	---	---	---	0.0755	3.71	-1	-1	Lv=8	
Aroclor-1242	1	3	Avg	---	---	---	---	---	---	---	---	0.0773	4.31	-1	-1	Lv=8	
Aroclor-1242	1	4	Avg	---	---	---	---	---	---	---	---	0.108	4.54	-1	-1	Lv=8	
Aroclor-1242	1	5	Avg	---	---	---	---	---	---	---	---	0.0553	4.88	-1	-1	Lv=8	
Aroclor-1248	1	1	Avg	---	---	---	---	---	---	---	---	0.0390	3.71	-1	-1	Lv=9	
Aroclor-1248	1	2	Avg	---	---	---	---	---	---	---	---	0.129	4.18	-1	-1	Lv=9	
Aroclor-1248	1	3	Avg	---	---	---	---	---	---	---	---	0.155	4.54	-1	-1	Lv=9	
Aroclor-1248	1	4	Avg	---	---	---	---	---	---	---	---	0.114	4.78	-1	-1	Lv=9	
Aroclor-1248	1	5	Avg	---	---	---	---	---	---	---	---	0.183	5.23	-1	-1	Lv=9	
Aroclor-1254	1	1	Avg	---	---	---	---	---	---	---	---	0.146	5.20	-1	-1	Lv=10	
Aroclor-1254	1	2	Avg	---	---	---	---	---	---	---	---	0.0959	5.78	-1	-1	Lv=10	
Aroclor-1254	1	3	Avg	---	---	---	---	---	---	---	---	0.168	5.89	-1	-1	Lv=10	
Aroclor-1254	1	4	Avg	---	---	---	---	---	---	---	---	0.121	6.18	-1	-1	Lv=10	
Aroclor-1254	1	5	Avg	---	---	---	---	---	---	---	---	0.165	6.70	-1	-1	Lv=10	
DCB-Surrogate	1	0	Lin	1.7848	2.3905	2.3532	2.3488	2.0861	2.0879	---	---	2.18	8.96	0.999	0.999	1.1	
TCMX-Surrogate	2	0	Avg	1.5077	1.5803	1.5204	1.4619	1.3573	1.3317	---	---	1.46	2.79	0.999	1.00	6.7	
Aroclor-1016	2	1	Avg	0.0304	0.0315	0.0312	0.0286	0.0245	0.0217	---	---	0.0280	3.39	0.992	0.999	14	
Avg Rsd Col 1: 10.7      Avg Rsd Col 2: 13.9																	

**Flags**  
 c - failed the initial calibration criteria (if applicable)

**Note:**  
 Col = Column Number  
 Mr = MultiPeak Analyte 0=single peak analyte, >0=multi peak analyte (i.e. pcb/chlordane etc.)  
 Fit = Indicates whether Avg Rf, Linear, or Quadratic Curve was used for compound.  
 Corr 1 = Correlation Coefficient for linear Eq.  
 Corr 2 = Correlation Coefficient for quad Eq.  
 ^Lv1: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000  
 Initial Calibration Criteria: either %RSD <=20 or Corr >= 0.995  
 Columns: Signal #1 db-1701 : Signal #2 db-608

# Form 6

## Initial Calibration

Instrument: GC\_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Calibration Level Concentrations								
								Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	
1	2G10503.	CAL 1660@500PPB	08/05/05 02:48	2	2G10504.	CAL 1660@200PPB	08/05/05 03:02	50.00	200.0	500.0	1000.	2000.	4000.			
3	2G10505.	CAL 1660@500PPB	08/05/05 03:17	4	2G10506.	CAL 1660@1000PPB	08/05/05 03:31	50.00	200.0	500.0	1000.	2000.	4000.			
5	2G10507.	CAL 1660@2000PPB	08/05/05 03:46	6	2G10508.	CAL 1660@4000PPB	08/05/05 04:00	50.00	200.0	500.0	1000.	2000.	4000.			
7	2G10512.	CAL 1232@500PPB	08/05/05 04:58	8	2G10511.	CAL 1242@500PPB	08/05/05 04:43	50.00	200.0	500.0	1000.	2000.	4000.			
9	2G10510.	CAL 1248@500PPB	08/05/05 04:29	10	2G10509.	CAL 2154@500PPB	08/05/05 04:15	50.00	200.0	500.0	1000.	2000.	4000.			
Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd
Aroclor-1016	2	2	Avg	0.0756	0.0727	0.0669	0.0612	0.0526	0.0469	---	---	0.0627	3.80	0.994	0.999	18
Aroclor-1016	2	3	Avg	0.1554	0.1510	0.1372	0.1268	0.1099	0.1009	---	---	0.130	4.18	0.996	0.999	17
Aroclor-1016	2	4	Qua	0.1097	0.0888	0.0749	0.0655	0.0541	0.0481	---	---	0.0735	4.50	0.993	0.998	31
Aroclor-1016	2	5	Avg	0.0485	0.0501	0.0455	0.0416	0.0353	0.0316	---	---	0.0421	4.86	0.993	0.999	18
Aroclor-1260	2	1	Avg	0.0879	0.0884	0.0832	0.0768	0.0661	0.0622	---	---	0.0775	6.17	0.997	0.999	14
Aroclor-1260	2	2	Avg	0.0986	0.0973	0.0923	0.0850	0.0736	0.0735	---	---	0.0867	6.26	0.998	0.999	13
Aroclor-1260	2	3	Avg	0.1549	0.1768	0.1799	0.1790	0.1649	0.1601	---	---	0.169	7.39	0.999	1.00	6.3
Aroclor-1260	2	4	Avg	0.0826	0.0898	0.0924	0.0867	0.0776	0.0732	---	---	0.0838	7.94	0.998	0.999	8.8
Aroclor-1260	2	5	Avg	0.0489	0.0533	0.0504	0.0462	0.0583	0.0518	---	---	0.0558	8.48	0.995	1.00	9.4
Aroclor-1221	2	1	Avg	---	---	---	---	---	---	---	---	0.0196	3.18	-1	-1	Lvl=10
Aroclor-1221	2	2	Avg	---	---	---	---	---	---	---	---	0.0146	3.33	-1	-1	Lvl=10
Aroclor-1221	2	3	Avg	---	---	---	---	---	---	---	---	0.0461	3.39	-1	-1	Lvl=10
Aroclor-1232	2	1	Avg	---	---	---	---	---	---	---	---	0.0317	3.39	-1	-1	Lvl=7
Aroclor-1232	2	2	Avg	---	---	---	---	---	---	---	---	0.0374	3.81	-1	-1	Lvl=7
Aroclor-1232	2	3	Avg	---	---	---	---	---	---	---	---	0.0716	4.18	-1	-1	Lvl=7
Aroclor-1232	2	4	Avg	---	---	---	---	---	---	---	---	0.0470	4.50	-1	-1	Lvl=7
Aroclor-1232	2	5	Avg	---	---	---	---	---	---	---	---	0.0295	4.86	-1	-1	Lvl=7
Aroclor-1242	2	1	Avg	---	---	---	---	---	---	---	---	0.0286	3.40	-1	-1	Lvl=8
Aroclor-1242	2	2	Avg	---	---	---	---	---	---	---	---	0.0584	3.81	-1	-1	Lvl=8
Aroclor-1242	2	3	Avg	---	---	---	---	---	---	---	---	0.121	4.18	-1	-1	Lvl=8
Aroclor-1242	2	4	Avg	---	---	---	---	---	---	---	---	0.0654	4.50	-1	-1	Lvl=8
Aroclor-1242	2	5	Avg	---	---	---	---	---	---	---	---	0.0536	5.22	-1	-1	Lvl=8
Aroclor-1248	2	1	Avg	---	---	---	---	---	---	---	---	0.0288	3.81	-1	-1	Lvl=9
Aroclor-1248	2	2	Avg	---	---	---	---	---	---	---	---	0.0947	4.18	-1	-1	Lvl=9
Aroclor-1248	2	3	Avg	---	---	---	---	---	---	---	---	0.0671	4.51	-1	-1	Lvl=9
Aroclor-1248	2	4	Avg	---	---	---	---	---	---	---	---	0.0529	4.87	-1	-1	Lvl=9
Aroclor-1248	2	5	Avg	---	---	---	---	---	---	---	---	0.0679	5.54	-1	-1	Lvl=9
Aroclor-1254	2	1	Avg	---	---	---	---	---	---	---	---	0.0697	5.31	-1	-1	Lvl=10
Aroclor-1254	2	2	Avg	---	---	---	---	---	---	---	---	0.112	5.97	-1	-1	Lvl=10
Aroclor-1254	2	3	Avg	---	---	---	---	---	---	---	---	0.0565	6.26	-1	-1	Lvl=10
Aroclor-1254	2	4	Avg	---	---	---	---	---	---	---	---	0.100	6.77	-1	-1	Lvl=10
Aroclor-1254	2	5	Avg	---	---	---	---	---	---	---	---	0.0424	7.29	-1	-1	Lvl=10
DCB-Surrogate	2	0	Avg	1.6701	1.6611	1.5902	1.4994	1.3495	1.2895	---	---	1.51	9.28	0.998	0.999	11

Avg Rsd Col 1: 10.7 Avg Rsd Col 2: 13.9

**Flags**  
 c - failed the initial calibration criteria (if applicable)

**Note:**  
 Col = Column Number  
 Mr = MultiPeak Analyte 0=single peak analyte, >0=multi peak analyte (i.e. pcb/chlordane etc.)  
 Fit = Indicates whether Avg Rf, Linear, or Quadratic Curve was used for compound.  
 Corr 1 = Correlation Coefficient for linear Eq.  
 Corr 2 = Correlation Coefficient for quad Eq.  
 ^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000  
 Initial Calibration Criteria: either %RSD <=20 or Corr >= 0.995  
 Columns: Signal #1 db-1701 : Signal #2 db-608

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10503.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10503.D\ECD2B.CH Vial: 2  
 Acq On : 5 Aug 2005 2:48 Operator: JK  
 Sample : CAL 1660@50PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:44 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*02/11/01*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	88466	75385	4.895	5.623
2) Aroclor-1016 1	3.35	3.39	21539	15232	53.325	59.289
3) Aroclor-1016 2	3.71	3.80	42548	37813	54.799	66.430m
4) Aroclor-1016 3	4.18	4.17	92812	77737	58.609	65.785m
5) Aroclor-1016 4	4.53	4.49	56400	54868	54.057	78.172m#
6) Aroclor-1016 5	4.77	4.86	76224	24263	82.529	62.450m
7) Aroclor-1260 1	6.05	6.16	54373	43985	59.216	64.646
8) Aroclor-1260 2	6.31	6.26	61214	49300	53.994	64.855
9) Aroclor-1260 3	7.09	7.38	49747	77459	65.311m	53.851m
10) Aroclor-1260 4	7.42	7.93	97932	41326	49.401	58.940m
11) Aroclor-1260 5	7.82	8.48	76258	24467	55.202	52.246m
12) Aroclor-1221 1	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221 2	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221 3	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232 1	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232 2	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232 3	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232 4	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232 5	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242 1	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242 2	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242 3	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242 4	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242 5	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248 1	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248 2	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248 3	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248 4	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248 5	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254 1	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254 2	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254 3	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254 4	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254 5	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	89242	83509	4.433	6.441m#

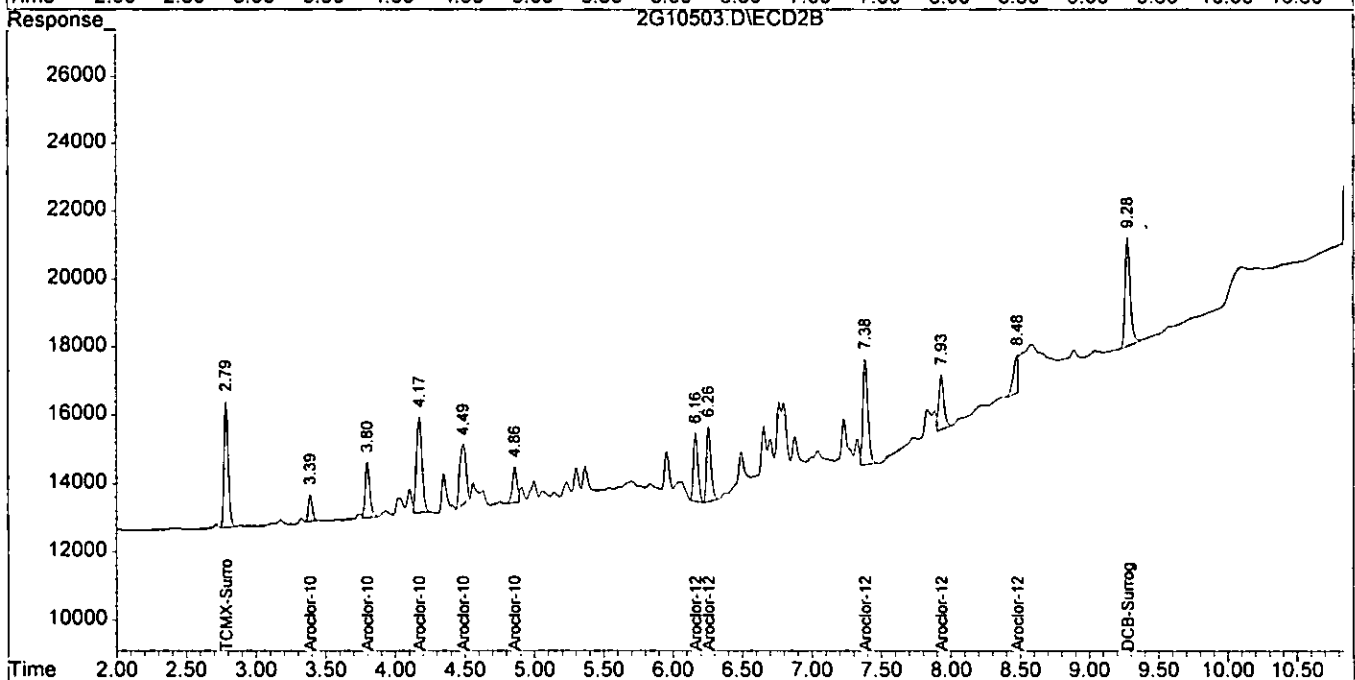
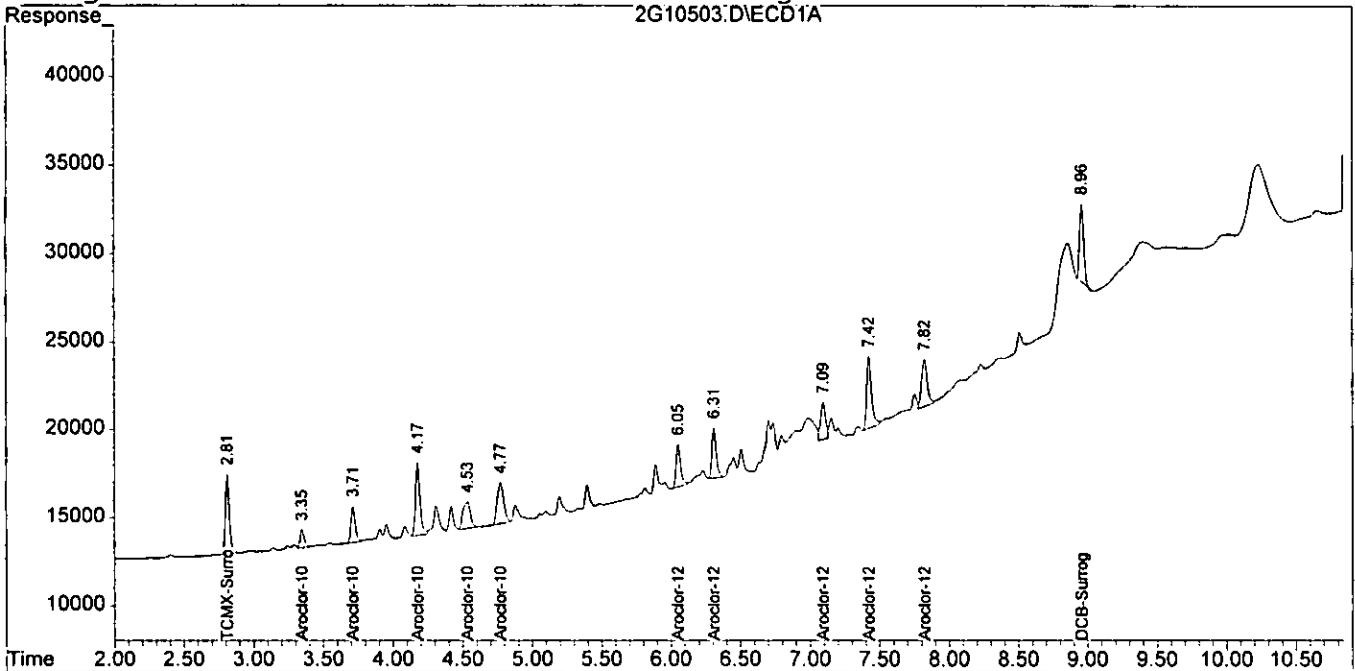
Quantitation Report

6368

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10503.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10503.D\ECD2B.CH  
 Acq On : 5 Aug 2005 2:48 Operator: JK  
 Sample : CAL 1660@50PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:44 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



8855

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10504.D\ECD1A.CH Signal: 2  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10504.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:02 Operator: JK  
 Sample : CAL 1660@200PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:29 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/05*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

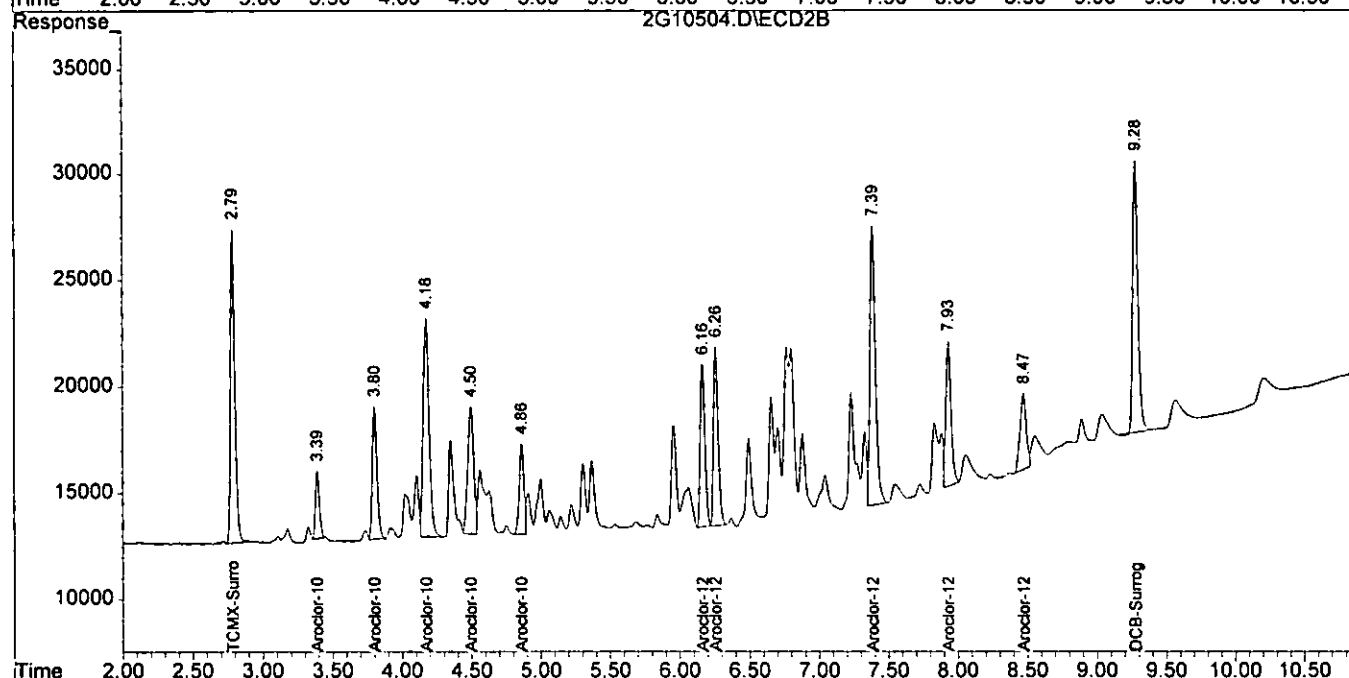
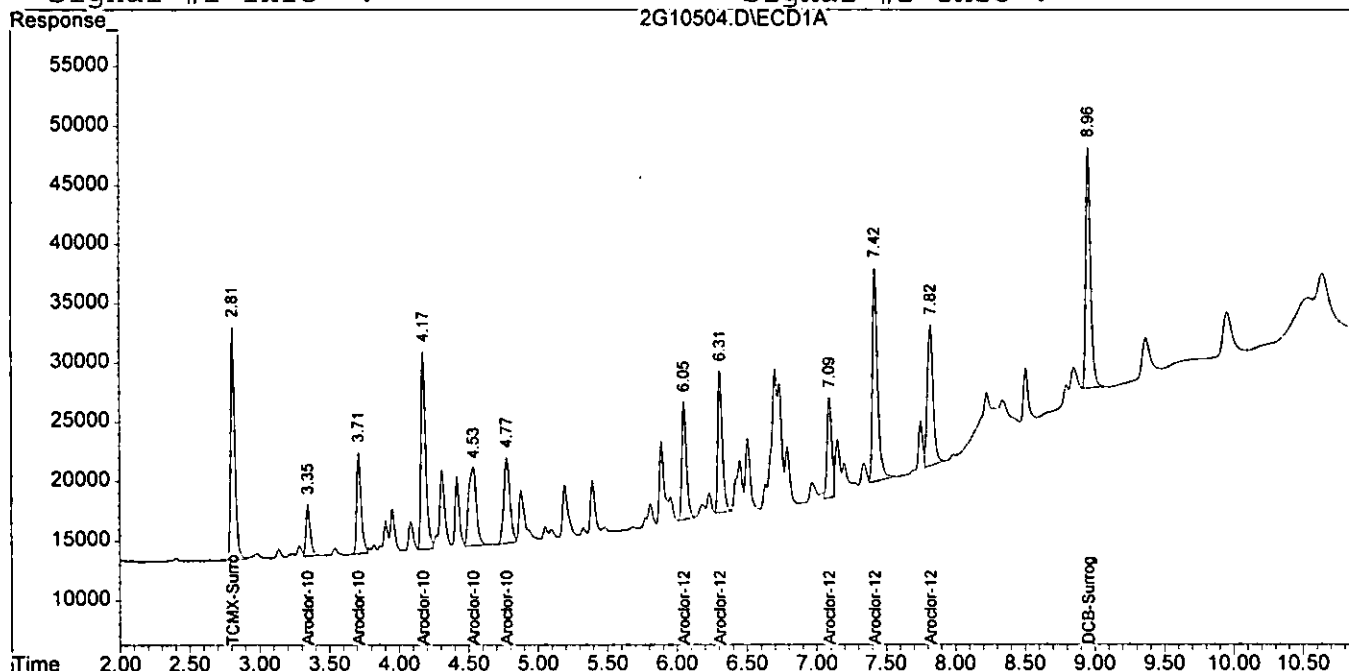
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	400628	316064	22.169	23.575
2) Aroclor-1016	3.35	3.39	95231	63077	235.769	245.521m
3) Aroclor-1016	3.71	3.80	185634	145451	239.081	255.527m
4) Aroclor-1016	4.17	4.18	386473	302110	244.049	255.659m
5) Aroclor-1016	4.53	4.50	253932	177599	243.385	253.029m
6) Aroclor-1016	4.77	4.86	219239	100330	237.375	258.241m
7) Aroclor-1260	6.05	6.16	221856	176861	241.618	259.937
8) Aroclor-1260	6.31	6.26	268892	194671	237.175	256.096
9) Aroclor-1260	7.09	7.39	193759	353615	254.378	245.838
10) Aroclor-1260	7.42	7.93	454220	179747	229.126	256.363m
11) Aroclor-1260	7.82	8.47	344436	106662	249.335	227.766
12) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	478104	332233	23.747	25.627

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10504.D\ECD1A.CH Vial: 2  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10504.D\ECD2B.CH  
Acq On : 5 Aug 2005 3:02 Operator: JK  
Sample : CAL 1660@200PPB Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 5 7:29 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Jul 22 08:05:17 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



0999

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10505.D\ECD1A.CH Vial: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10505.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:17 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:44 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*07/11/05*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	1023547	760239	56.637	56.707
2) Aroclor-1016	3.35	3.39	235649	156420	583.411	608.852
3) Aroclor-1016	3.71	3.80	442530	334842	569.940	588.249
4) Aroclor-1016	4.17	4.18	928646	686220	586.420	580.709
5) Aroclor-1016	4.53	4.50	619130	374590	593.414	533.686
6) Aroclor-1016	4.78	4.86	473041	227870	512.172	586.518m
7) Aroclor-1260	6.05	6.17	534771	416463	582.405	612.085
8) Aroclor-1260	6.31	6.26	645067	461648	568.979	607.311
9) Aroclor-1260	7.09	7.39	434727	899498	570.735	625.344
10) Aroclor-1260	7.42	7.94	1158203	462227	584.242	659.247
11) Aroclor-1260	7.82	8.48	865349	301977	626.421	644.844
12) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	1176610	795135	58.442	61.333m



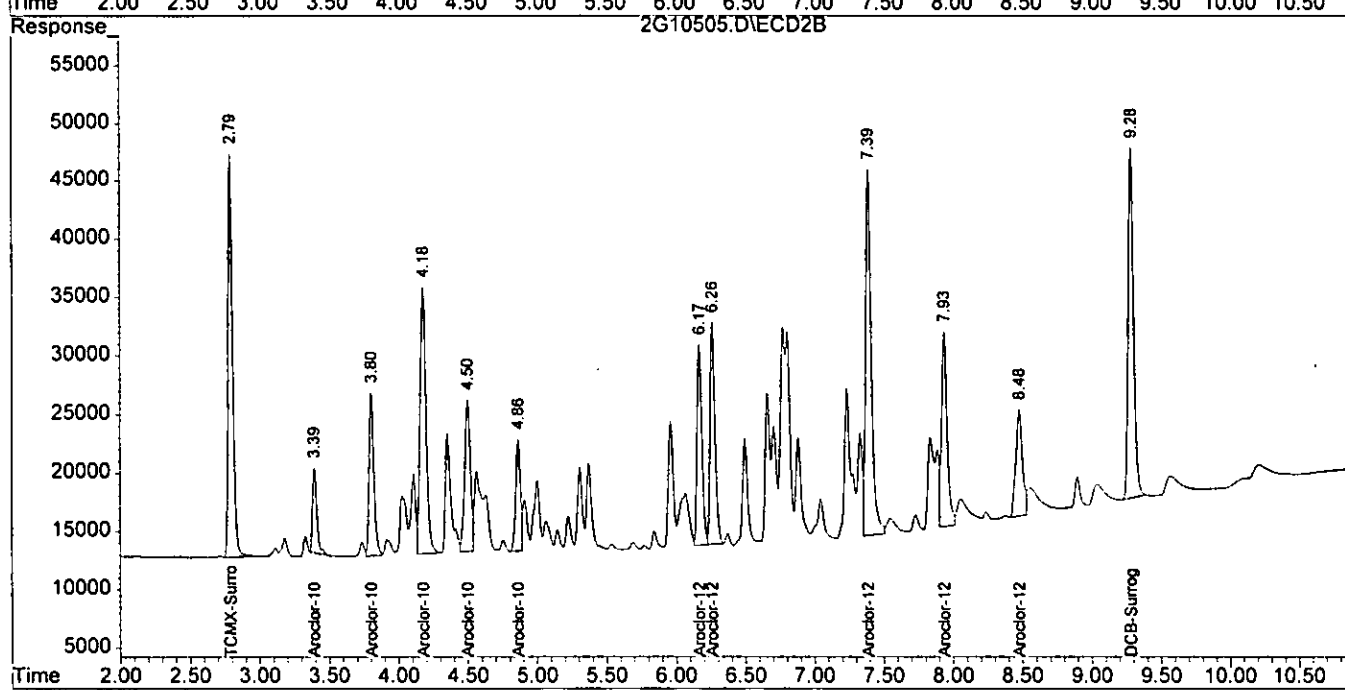
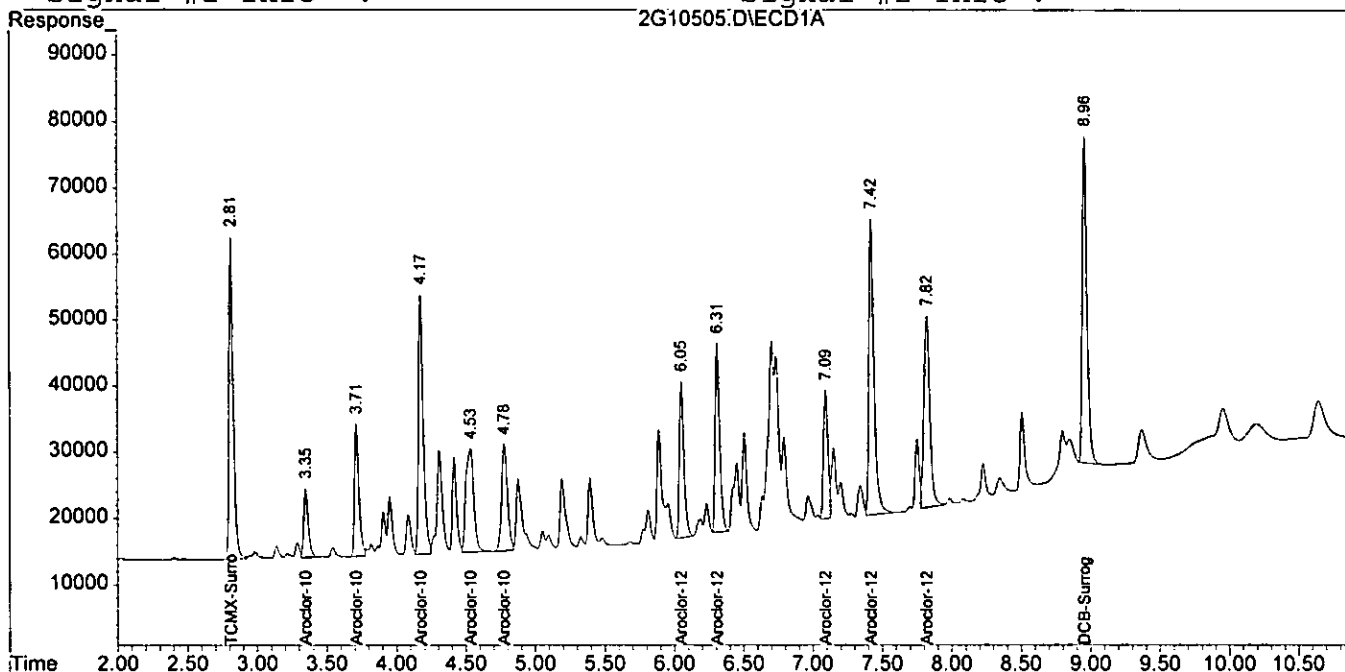
Quantitation Report

1650

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10505.D\ECD1A.CH Vial: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10505.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:17 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:44 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



09550

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10506.D\ECD1A.CH Vial: 4  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10506.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:31 Operator: JK  
 Sample : CAL 1660@1000PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:43 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*28/1/0*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	2068098	1461943	114.437	109.047
2) Aroclor-1016	3.35	3.39	459024	286799	1136.434	1116.345
3) Aroclor-1016	3.71	3.80	844073	612504	1087.093	1076.045
4) Aroclor-1016	4.18	4.18	1779339	1268838	1123.614	1073.745
5) Aroclor-1016	4.54	4.50	1182689	655086	1133.566	933.314
6) Aroclor-1016	4.78	4.86	834006	416639	902.996	1072.394m
7) Aroclor-1260	6.05	6.17	1020008	768784	1110.864	1129.900
8) Aroclor-1260	6.31	6.26	1236936	850794	1091.035	1119.245
9) Aroclor-1260	7.09	7.39	901419	1790164	1183.435	1244.548
10) Aroclor-1260	7.42	7.94	2336939	866983	1178.840	1236.525
11) Aroclor-1260	7.82	8.48	1664672	621168	1205.046	1326.446
12) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	2348809	1499448	116.666	115.660

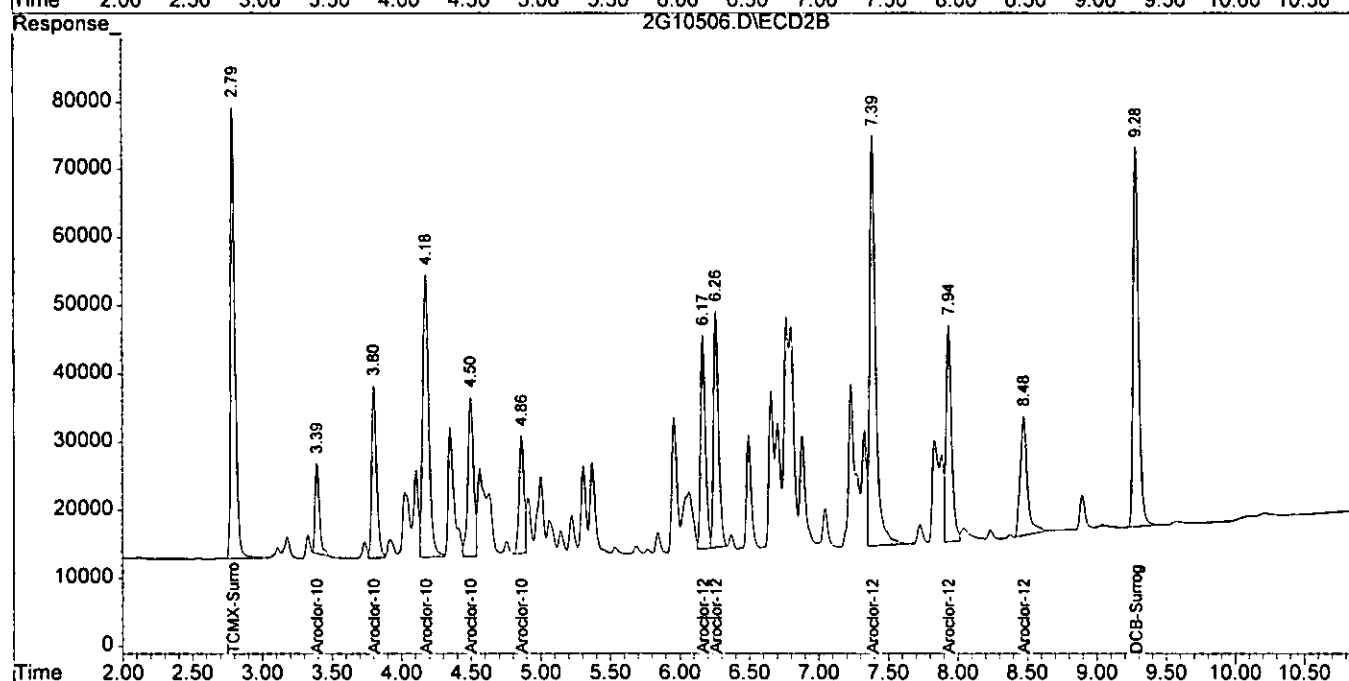
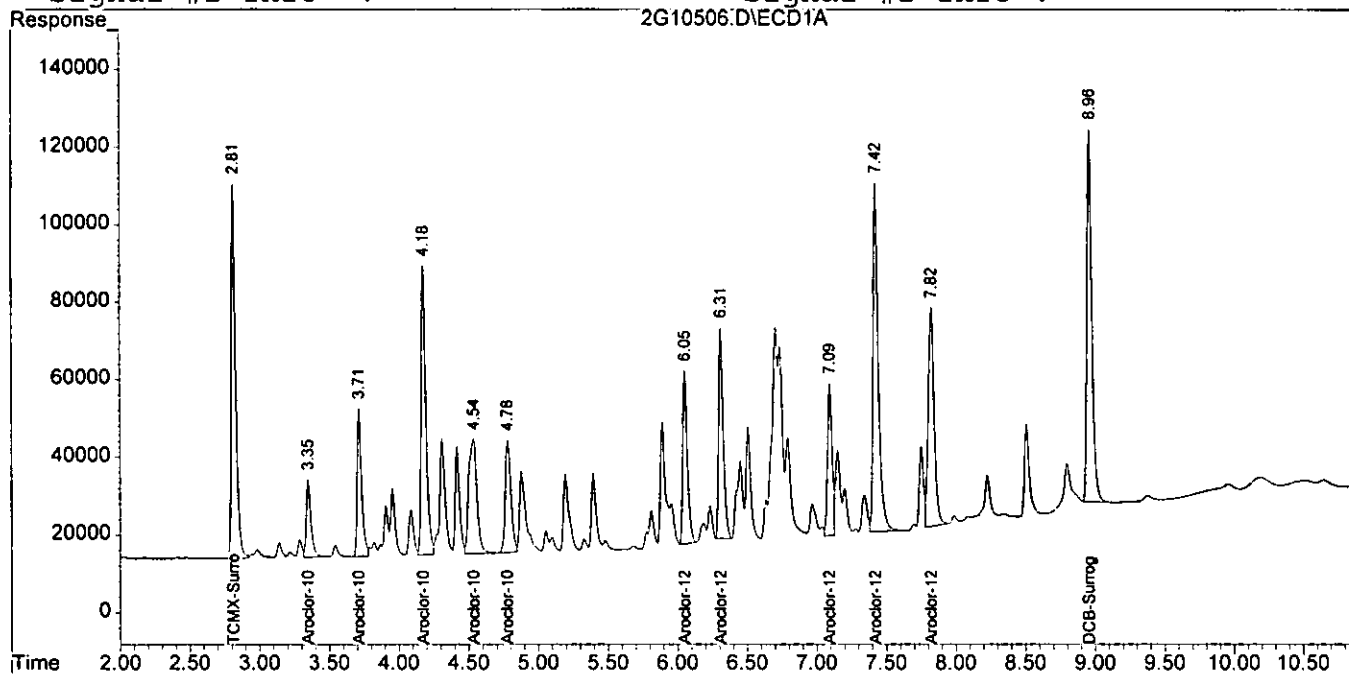
Quantitation Report

0950

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10506.D\ECD1A.CH Vial: 4  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10506.D\ECD2B.CH  
Acq On : 5 Aug 2005 3:31 Operator: JK  
Sample : CAL 1660@1000PPB Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 5 6:43 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Jul 22 08:05:17 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



0915

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10507.D\ECD1A.CH Vial: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10507.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:46 Operator: JK  
 Sample : CAL 1660@2000PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:45 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/01*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

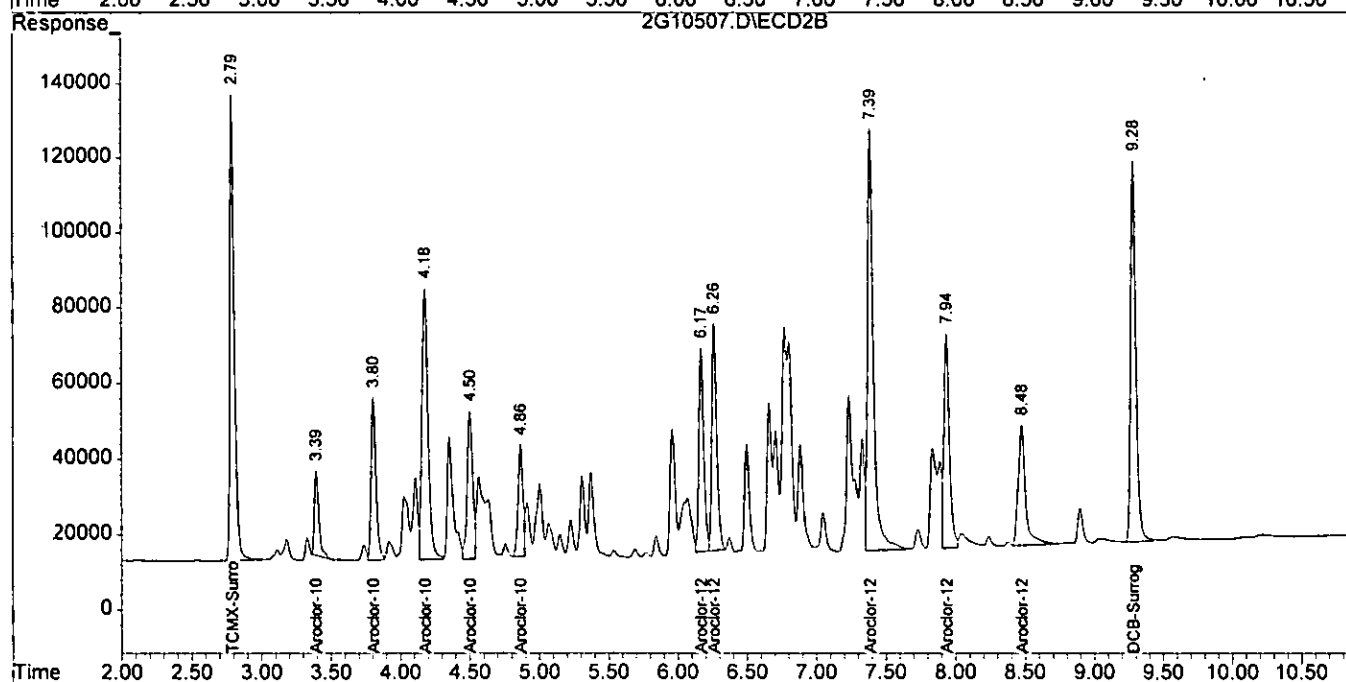
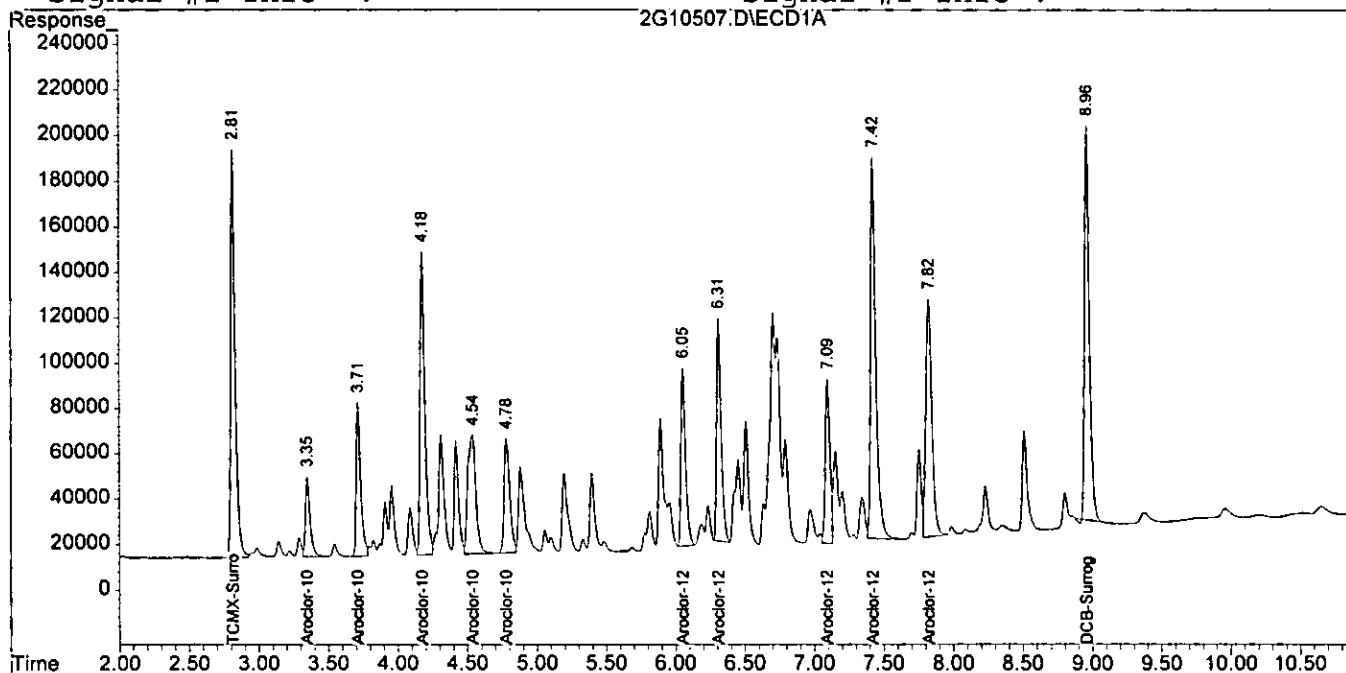
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	3911873	2714639	216.461	202.486
2) Aroclor-1016	3.35	3.39	828392	491354	2050.904	1912.560
3) Aroclor-1016	3.71	3.81	1514692	1052607	1950.793	1849.214
4) Aroclor-1016	4.18	4.18	3199834	2198953	2020.625	1860.848
5) Aroclor-1016	4.54	4.50	2114810	1082399	2026.971	1542.116
6) Aroclor-1016	4.78	4.86	1430841	707369	1549.203	1820.709m
7) Aroclor-1260	6.05	6.17	1814321	1322679	1975.930	1943.973
8) Aroclor-1260	6.31	6.26	2235502	1472104	1971.816	1936.596
9) Aroclor-1260	7.09	7.39	1679772	3299506	2205.303	2293.863
10) Aroclor-1260	7.42	7.94	4397510	1553699	2218.270	2215.947
11) Aroclor-1260	7.82	8.48	3149933	1167070	2280.218	2492.167
12) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	4172369	2699181	207.242	208.201m

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10507.D\ECD1A.CH Vial: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10507.D\ECD2B.CH  
 Acq On : 5 Aug 2005 3:46 Operator: JK  
 Sample : CAL 1660@2000PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:45 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



08/11/05

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10508.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10508.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:00 Operator: JK  
 Sample : CAL 1660@4000PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:02 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/05*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	7503126	5326951	415.181	397.340
2) Aroclor-1016	3.35	3.39	1517580	868690	3757.168	3381.310
3) Aroclor-1016	3.71	3.81	2784603	1876068	3586.328	3295.866
4) Aroclor-1016	4.18	4.18	5958515	4036906	3762.672	3416.203
5) Aroclor-1016	4.54	4.50	3883086	1923953	3721.801	2741.096 #
6) Aroclor-1016	4.78	4.86	2647417	1264584	2866.417	3254.931m
7) Aroclor-1260	6.05	6.17	3411714	2490447	3715.609m	3660.268m
8) Aroclor-1260	6.31	6.26	4153018	2940352	3663.154	3868.118m
9) Aroclor-1260	7.09	7.39	3166218	6406382	4156.797	4453.807
10) Aroclor-1260	7.42	7.94	8571854	2930093	4323.967	4179.016
11) Aroclor-1260	7.82	8.48	6268932	2074593	4538.043	4430.096
12) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	8351630	5158203	414.826	397.878

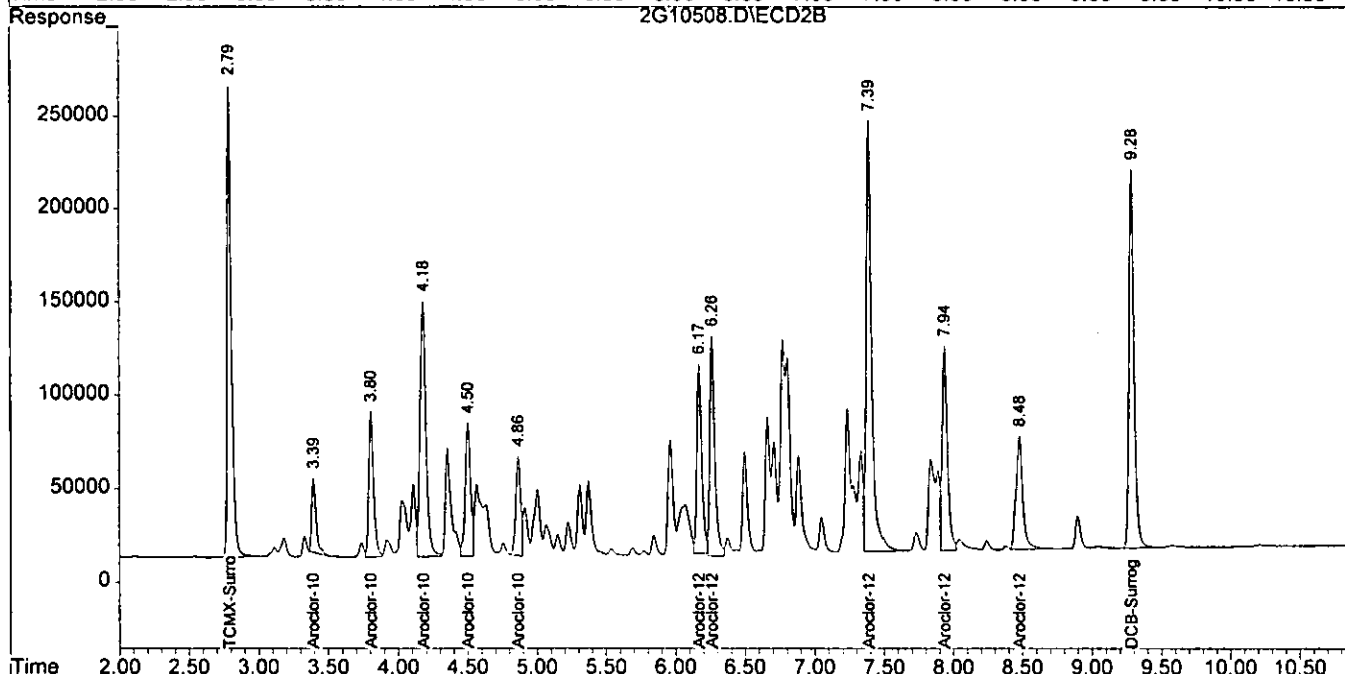
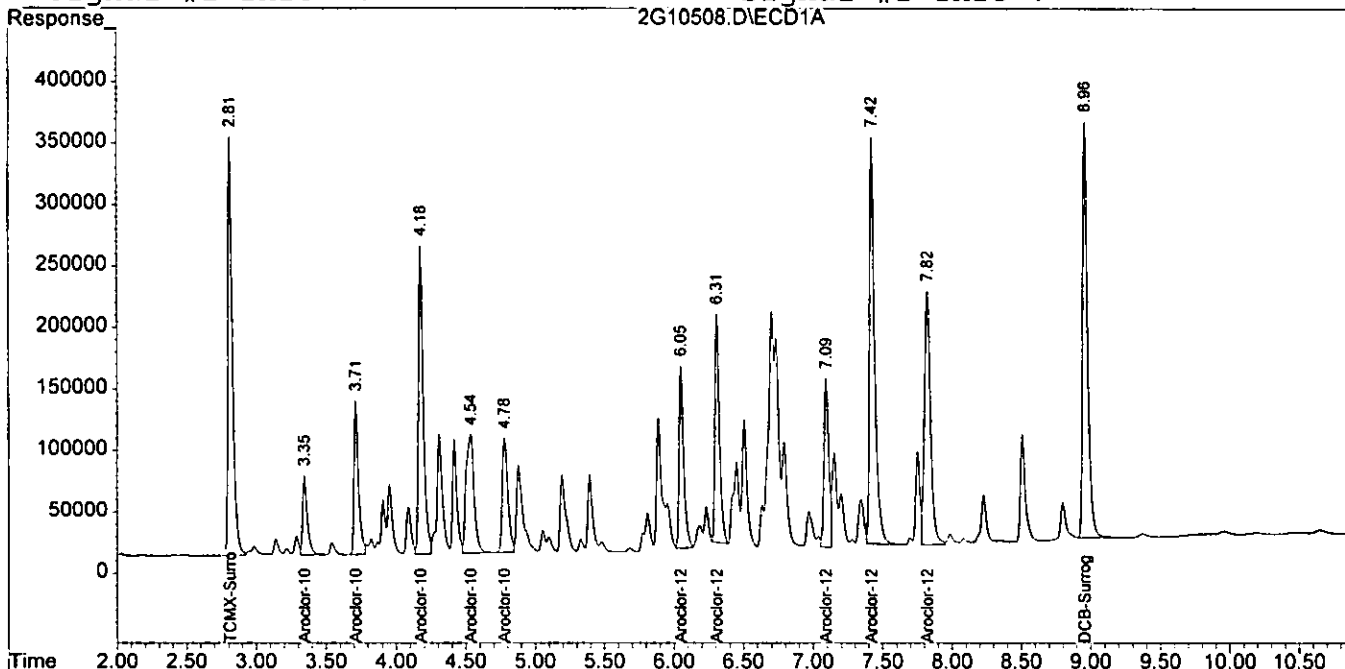
Quantitation Report

6160

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10508.D\ECD1A.CH Vial: 6  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10508.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:00 Operator: JK  
 Sample : CAL 1660@4000PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 7:02 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



1001

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10512.D\ECD1A.CH Vial: 10  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10512.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:58 Operator: JK  
 Sample : CAL 1232@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:56 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/0*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1188612	852532	65.771	63.591
2) Aroclor-1016	1 0.00	0.00	0	0	N.D. d	N.D. d
3) Aroclor-1016	2 0.00	0.00	0	0	N.D. d	N.D. d
4) Aroclor-1016	3 0.00	0.00	0	0	N.D. d	N.D. d
5) Aroclor-1016	4 0.00	0.00	0	0	N.D. d	N.D. d
6) Aroclor-1016	5 0.00	0.00	0	0	N.D. d	N.D. d
7) Aroclor-1260	1 0.00	0.00	0	0	N.D. d	N.D. d
8) Aroclor-1260	2 0.00	0.00	0	0	N.D. d	N.D. d
9) Aroclor-1260	3 0.00	0.00	0	0	N.D. d	N.D. d
10) Aroclor-1260	4 0.00	0.00	0	0	N.D. d	N.D. d
11) Aroclor-1260	5 0.00	0.00	0	0	N.D. d	N.D. d
12) Aroclor-1221	1 0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	2 0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	3 0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	1 3.35	3.39	273407	158520	552.897	655.790m
16) Aroclor-1232	2 3.71	3.81	242868	187082	561.539	577.282
17) Aroclor-1232	3 4.18	4.18	475031	358078	581.903	595.144
18) Aroclor-1232	4 4.54	4.50	331372	235186	566.210	574.826
19) Aroclor-1232	5 4.78	4.86	301271	147438	557.471	593.934m
20) Aroclor-1242	1 0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	2 0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	3 0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	4 0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	5 0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	1 0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	2 0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	3 0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	4 0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	5 0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	1 0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	2 0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	3 0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	4 0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	5 0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	1352374	860464	67.173	66.372

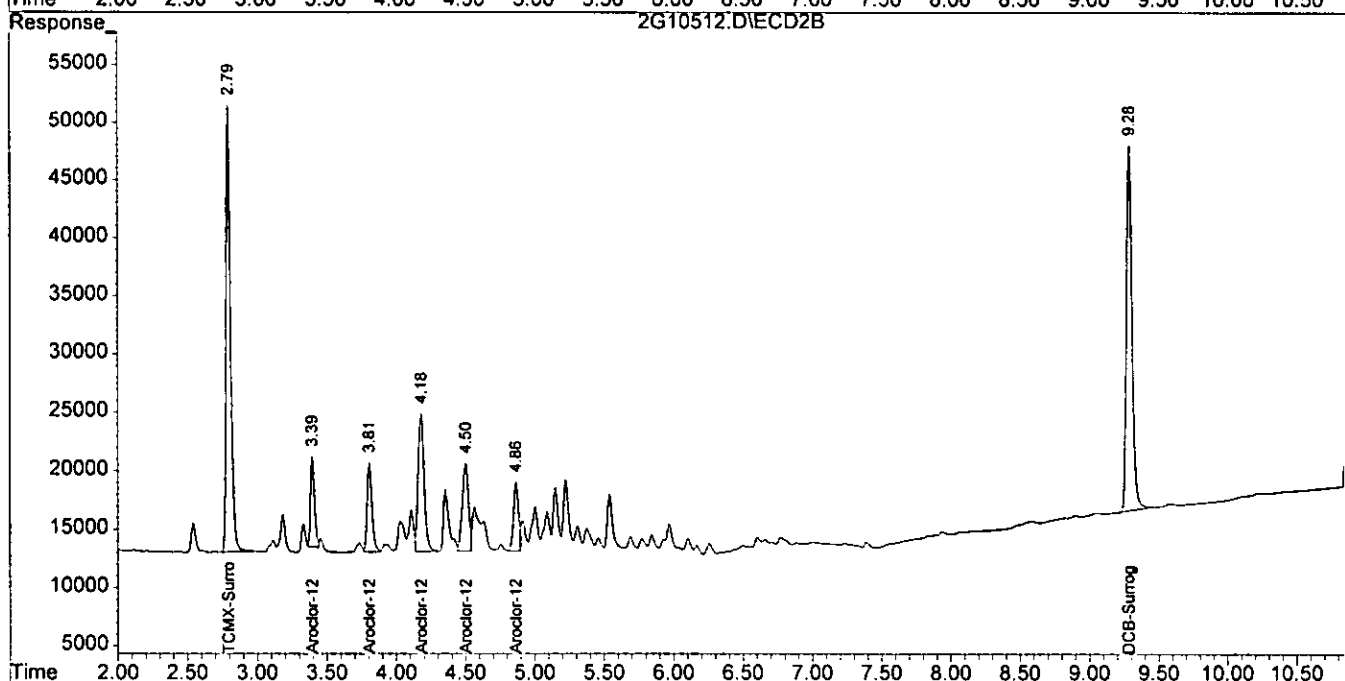
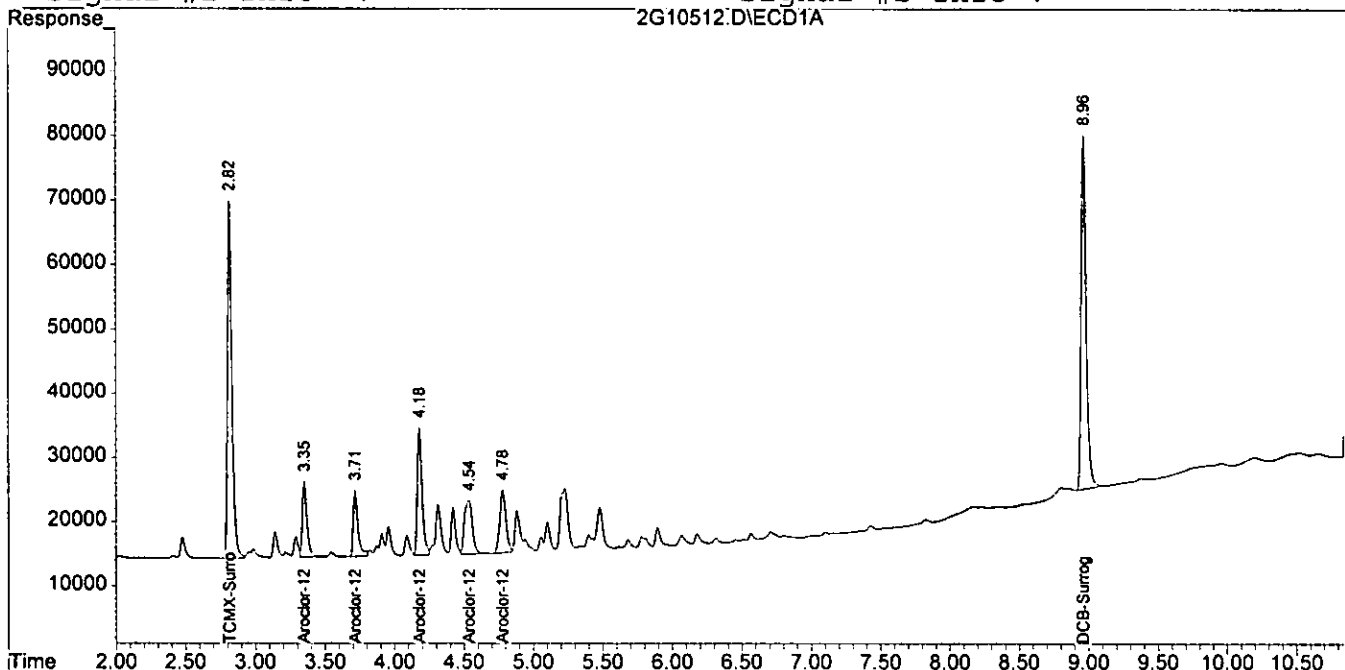


Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10512.D\ECD1A.CH  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10512.D\ECD2B.CH  
Acq On : 5 Aug 2005 4:58 Operator: JK  
Sample : CAL 1232@500PPB Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 5 6:56 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Jul 22 08:05:17 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



1001

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10511.D\ECD1A.CH Vial: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10511.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:43 Operator: JK  
 Sample : CAL 1242@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:55 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/05*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1134180	818918	62.759	61.083
2) Aroclor-1016	1) 0.00	0.00	0	0	N.D. d	N.D. d
3) Aroclor-1016	2) 0.00	0.00	0	0	N.D. d	N.D. d
4) Aroclor-1016	3) 0.00	0.00	0	0	N.D. d	N.D. d
5) Aroclor-1016	4) 0.00	0.00	0	0	N.D. d	N.D. d
6) Aroclor-1016	5) 0.00	0.00	0	0	N.D. d	N.D. d
7) Aroclor-1260	1) 0.00	0.00	0	0	N.D. d	N.D. d
8) Aroclor-1260	2) 0.00	0.00	0	0	N.D. d	N.D. d
9) Aroclor-1260	3) 0.00	0.00	0	0	N.D. d	N.D. d
10) Aroclor-1260	4) 0.00	0.00	0	0	N.D. d	N.D. d
11) Aroclor-1260	5) 0.00	0.00	0	0	N.D. d	N.D. d
12) Aroclor-1221	1) 0.00	0.00	0	0	N.D. d	N.D. d
13) Aroclor-1221	2) 0.00	0.00	0	0	N.D. d	N.D. d
14) Aroclor-1221	3) 0.00	0.00	0	0	N.D. d	N.D. d
15) Aroclor-1232	1) 0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	2) 0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	3) 0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	4) 0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	5) 0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	1) 3.35	3.40	224274	143157	530.686	579.799
21) Aroclor-1242	2) 3.71	3.81	377487	292006	514.661m	560.890
22) Aroclor-1242	3) 4.31	4.18	386631	603217	266.466	580.575 #
23) Aroclor-1242	4) 4.54	4.50	540268	331788	554.719	568.553m
24) Aroclor-1242	5) 4.88	5.22	276767	267919	358.743	715.430 #
25) Aroclor-1248	1) 0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	2) 0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	3) 0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	4) 0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	5) 0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	1) 0.00	0.00	0	0	N.D. d	N.D. d
31) Aroclor-1254	2) 0.00	0.00	0	0	N.D. d	N.D. d
32) Aroclor-1254	3) 0.00	0.00	0	0	N.D. d	N.D. d
33) Aroclor-1254	4) 0.00	0.00	0	0	N.D. d	N.D. d
34) Aroclor-1254	5) 0.00	0.00	0	0	N.D. d	N.D. d
35) DCB-Surrogate	8.96	9.28	1283612	823159	63.757	63.494

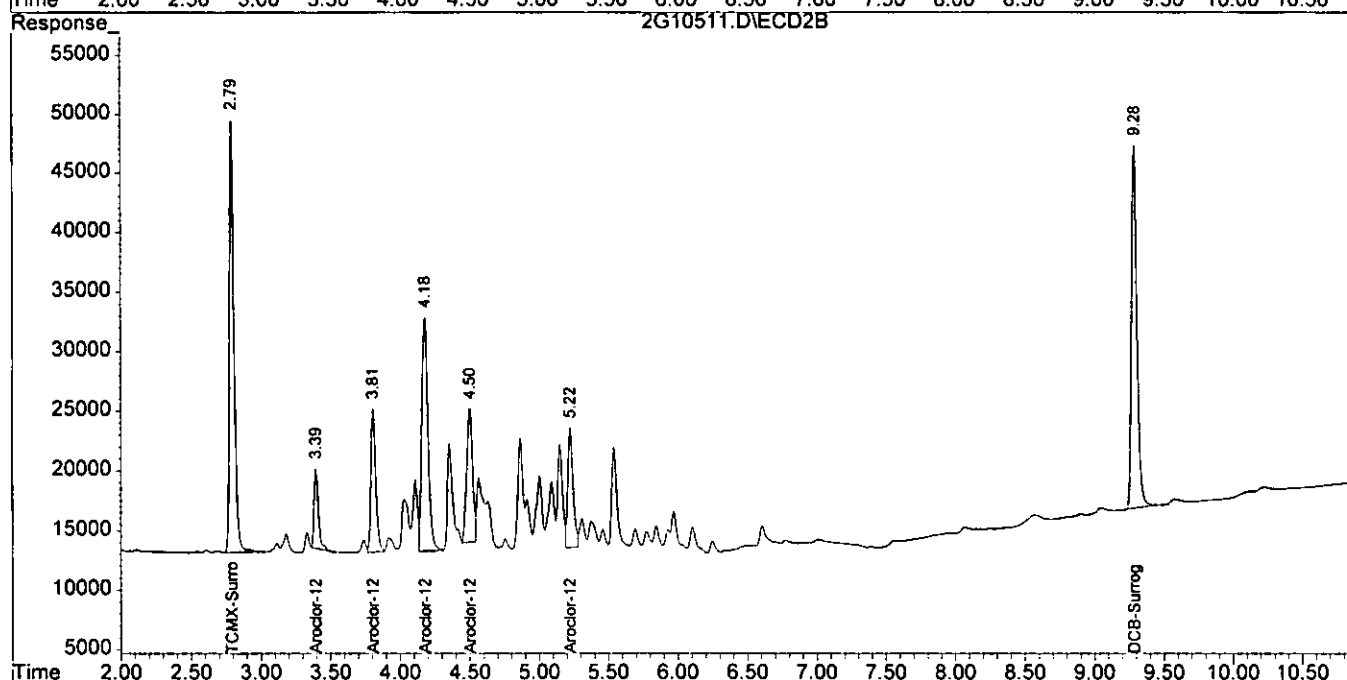
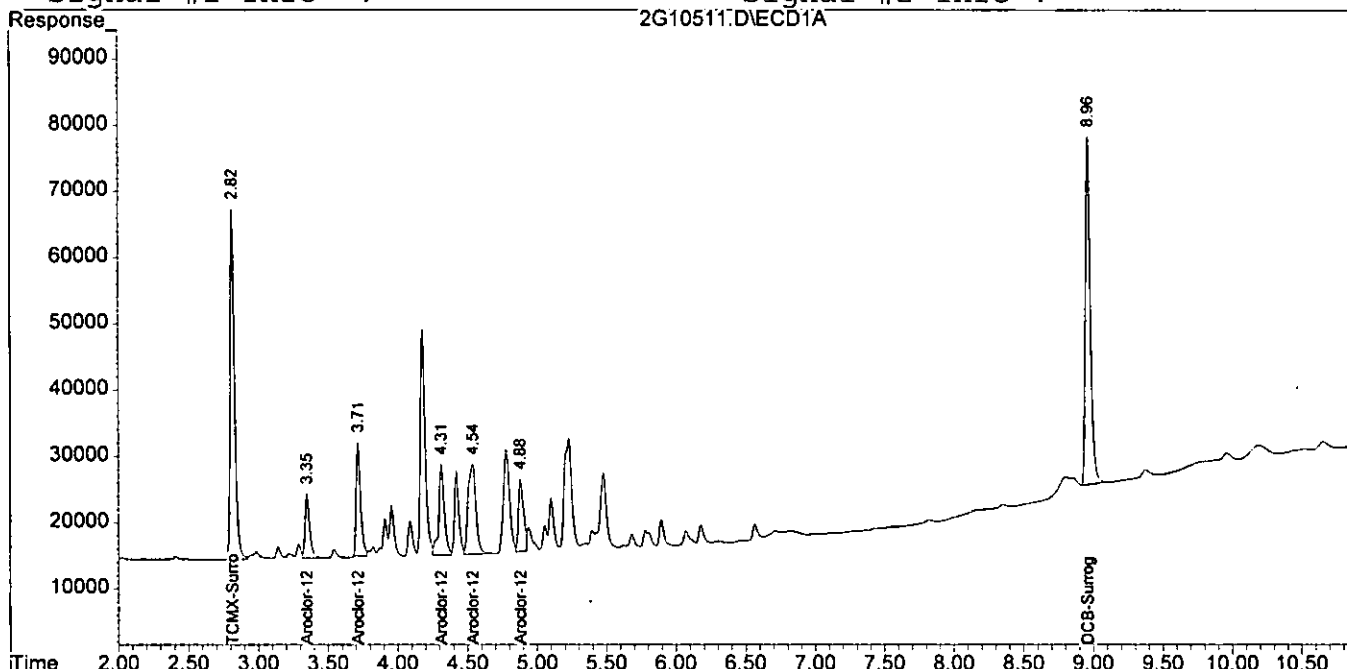
Quantitation Report

1001

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10511.D\ECD1A.CH Vial: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10511.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:43 Operator: JK  
 Sample : CAL 1242@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:55 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



1004

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10510.D\ECD1A.CH Vial: 8  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10510.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:29 Operator: JK  
 Sample : CAL 1248@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:54 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*08/11/05*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

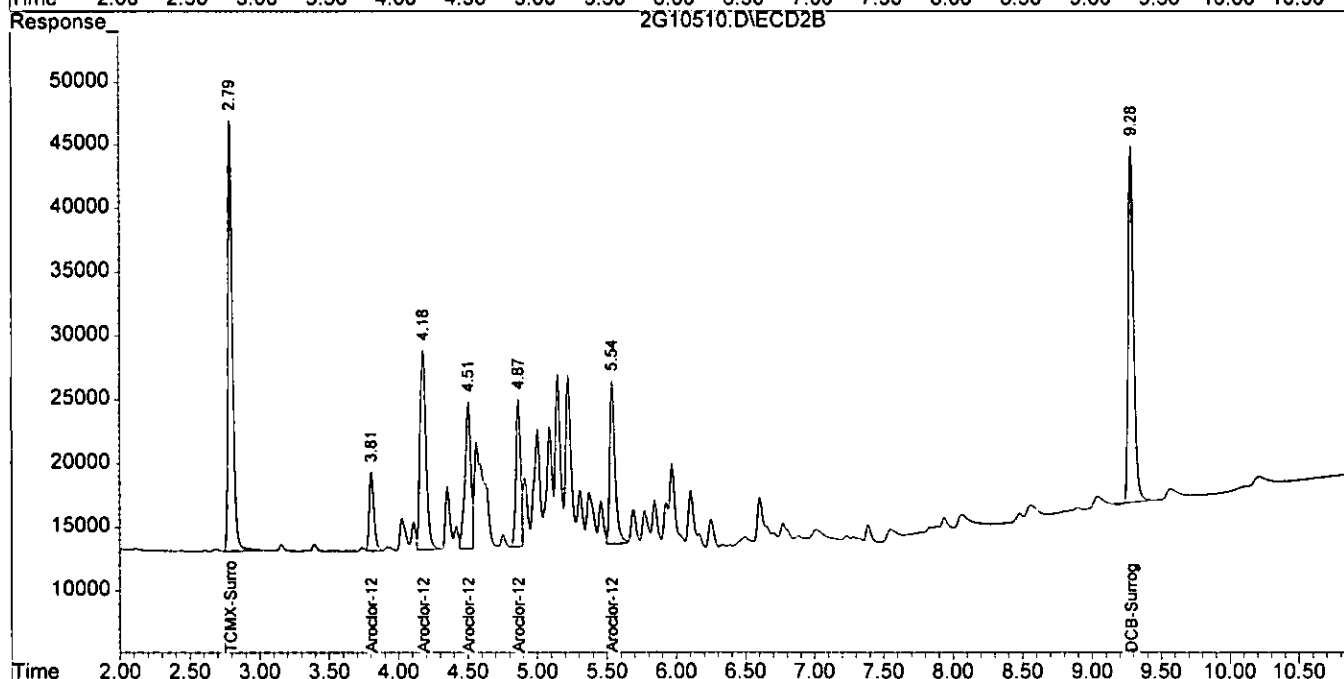
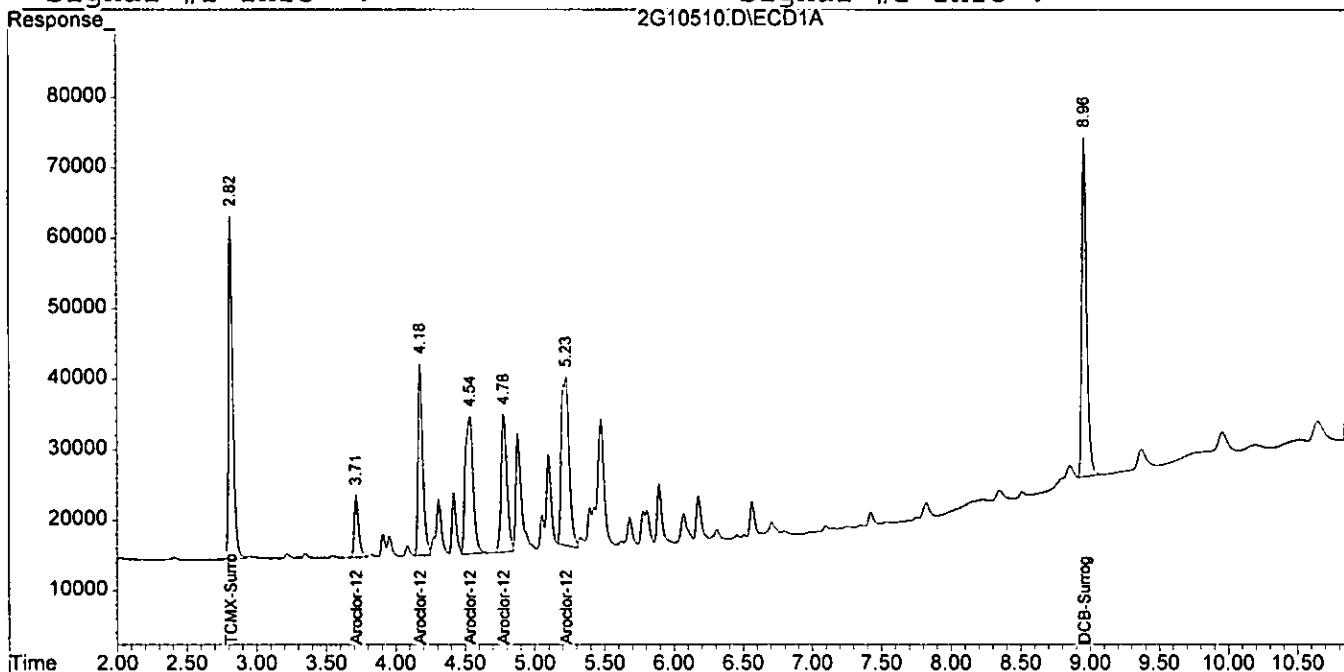
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1018596	752396	56.363	56.122
2) Aroclor-1016	1	0.00	0.00	0	0	N.D. d
3) Aroclor-1016	2	0.00	0.00	0	0	N.D. d
4) Aroclor-1016	3	0.00	0.00	0	0	N.D. d
5) Aroclor-1016	4	0.00	0.00	0	0	N.D. d
6) Aroclor-1016	5	0.00	0.00	0	0	N.D. d
7) Aroclor-1260	1	0.00	0.00	0	0	N.D. d
8) Aroclor-1260	2	0.00	0.00	0	0	N.D. d
9) Aroclor-1260	3	0.00	0.00	0	0	N.D. d
10) Aroclor-1260	4	0.00	0.00	0	0	N.D. d
11) Aroclor-1260	5	0.00	0.00	0	0	N.D. d
12) Aroclor-1221	1	0.00	0.00	0	0	N.D. d
13) Aroclor-1221	2	0.00	0.00	0	0	N.D. d
14) Aroclor-1221	3	0.00	0.00	0	0	N.D. d
15) Aroclor-1232	1	0.00	0.00	0	0	N.D. d
16) Aroclor-1232	2	0.00	0.00	0	0	N.D. d
17) Aroclor-1232	3	0.00	0.00	0	0	N.D. d
18) Aroclor-1232	4	0.00	0.00	0	0	N.D. d
19) Aroclor-1232	5	0.00	0.00	0	0	N.D. d
20) Aroclor-1242	1	0.00	0.00	0	0	N.D. d
21) Aroclor-1242	2	0.00	0.00	0	0	N.D. d
22) Aroclor-1242	3	0.00	0.00	0	0	N.D. d
23) Aroclor-1242	4	0.00	0.00	0	0	N.D. d
24) Aroclor-1242	5	0.00	0.00	0	0	N.D. d
25) Aroclor-1248	1	3.71	3.81	195115	143813	514.400
26) Aroclor-1248	2	4.18	4.18	645166	473566	526.261
27) Aroclor-1248	3	4.54	4.51	774276	335728	519.925
28) Aroclor-1248	4	4.78	4.87	568856	264234	454.640
29) Aroclor-1248	5	5.23	5.54	916025	339244	541.117
30) Aroclor-1254	1	0.00	0.00	0	0	N.D. d
31) Aroclor-1254	2	0.00	0.00	0	0	N.D. d
32) Aroclor-1254	3	0.00	0.00	0	0	N.D. d
33) Aroclor-1254	4	0.00	0.00	0	0	N.D. d
34) Aroclor-1254	5	0.00	0.00	0	0	N.D. d
35) DCB-Surrogate	8.96	9.28	1163484	754638	57.790	58.209

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10510.D\ECD1A.CH Vial: 8  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10510.D\ECD2B.CH  
Acq On : 5 Aug 2005 4:29 Operator: JK  
Sample : CAL 1248@500PPB Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 5 6:54 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Jul 22 08:05:17 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



100

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10509.D\ECD1A.CH Vial: 7  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10509.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:15 Operator: JK  
 Sample : CAL 2154@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:45 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

*VP/11/01*

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1093345	796785	60.500	59.433
2) Aroclor-1016	1 0.00	0.00	0	0	N.D. d	N.D. d
3) Aroclor-1016	2 0.00	0.00	0	0	N.D. d	N.D. d
4) Aroclor-1016	3 0.00	0.00	0	0	N.D. d	N.D. d
5) Aroclor-1016	4 0.00	0.00	0	0	N.D. d	N.D. d
6) Aroclor-1016	5 0.00	0.00	0	0	N.D. d	N.D. d
7) Aroclor-1260	1 0.00	0.00	0	0	N.D. d	N.D. d
8) Aroclor-1260	2 0.00	0.00	0	0	N.D. d	N.D. d
9) Aroclor-1260	3 0.00	0.00	0	0	N.D. d	N.D. d
10) Aroclor-1260	4 0.00	0.00	0	0	N.D. d	N.D. d
11) Aroclor-1260	5 0.00	0.00	0	0	N.D. d	N.D. d
12) Aroclor-1221	1 3.14	3.18	142349	98182	528.040m	559.302
13) Aroclor-1221	2 3.29	3.33	90182	73005	512.964m	763.393m#
14) Aroclor-1221	3 3.35	3.39	369875	230567	545.673	724.684m#
15) Aroclor-1232	1 0.00	0.00	0	0	N.D. d	N.D. d
16) Aroclor-1232	2 0.00	0.00	0	0	N.D. d	N.D. d
17) Aroclor-1232	3 0.00	0.00	0	0	N.D. d	N.D. d
18) Aroclor-1232	4 0.00	0.00	0	0	N.D. d	N.D. d
19) Aroclor-1232	5 0.00	0.00	0	0	N.D. d	N.D. d
20) Aroclor-1242	1 0.00	0.00	0	0	N.D. d	N.D. d
21) Aroclor-1242	2 0.00	0.00	0	0	N.D. d	N.D. d
22) Aroclor-1242	3 0.00	0.00	0	0	N.D. d	N.D. d
23) Aroclor-1242	4 0.00	0.00	0	0	N.D. d	N.D. d
24) Aroclor-1242	5 0.00	0.00	0	0	N.D. d	N.D. d
25) Aroclor-1248	1 0.00	0.00	0	0	N.D. d	N.D. d
26) Aroclor-1248	2 0.00	0.00	0	0	N.D. d	N.D. d
27) Aroclor-1248	3 0.00	0.00	0	0	N.D. d	N.D. d
28) Aroclor-1248	4 0.00	0.00	0	0	N.D. d	N.D. d
29) Aroclor-1248	5 0.00	0.00	0	0	N.D. d	N.D. d
30) Aroclor-1254	1 5.20	5.31	731638	348480	551.843	572.692
31) Aroclor-1254	2 5.78	5.97	479310	558827	558.974	578.747
32) Aroclor-1254	3 5.89	6.26	837784	282672	555.133	566.270
33) Aroclor-1254	4 6.18	6.77	603667	501776	592.784m	574.412
34) Aroclor-1254	5 6.70	7.29	824594	211975	567.306	576.001
35) DCB-Surrogate	8.96	9.28	1222387	782957	60.716	60.393

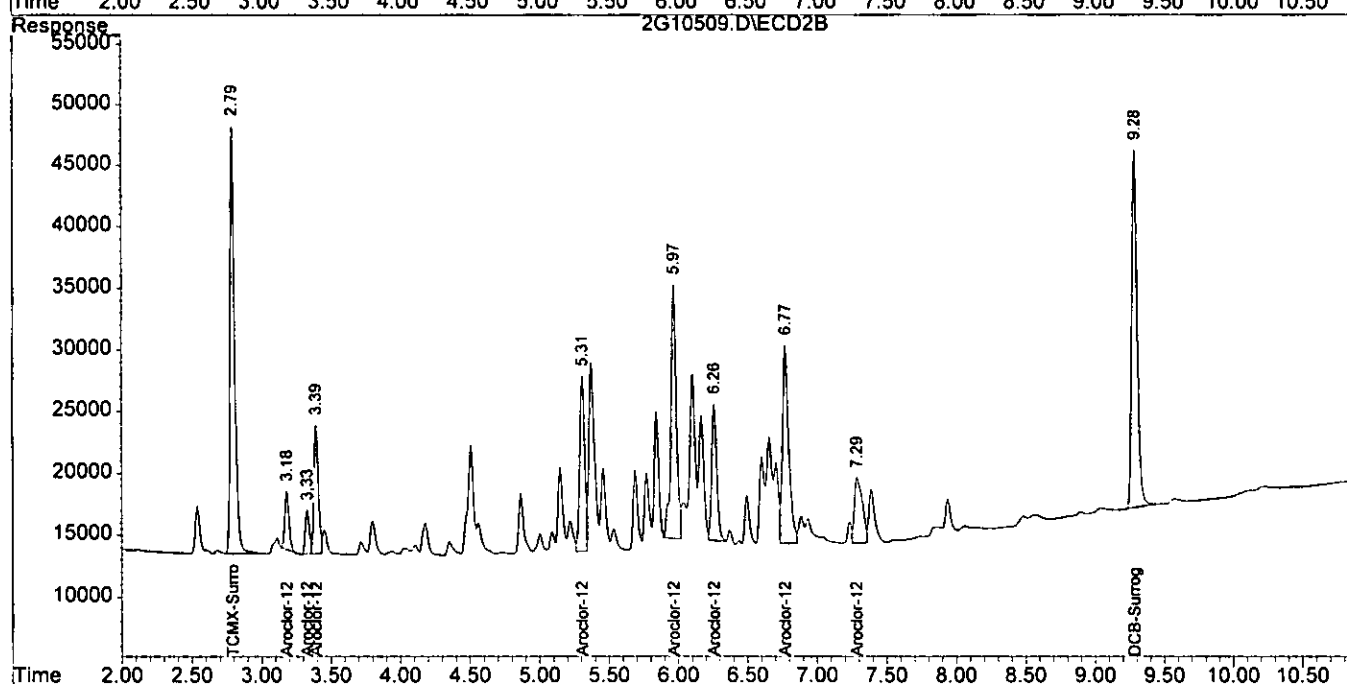
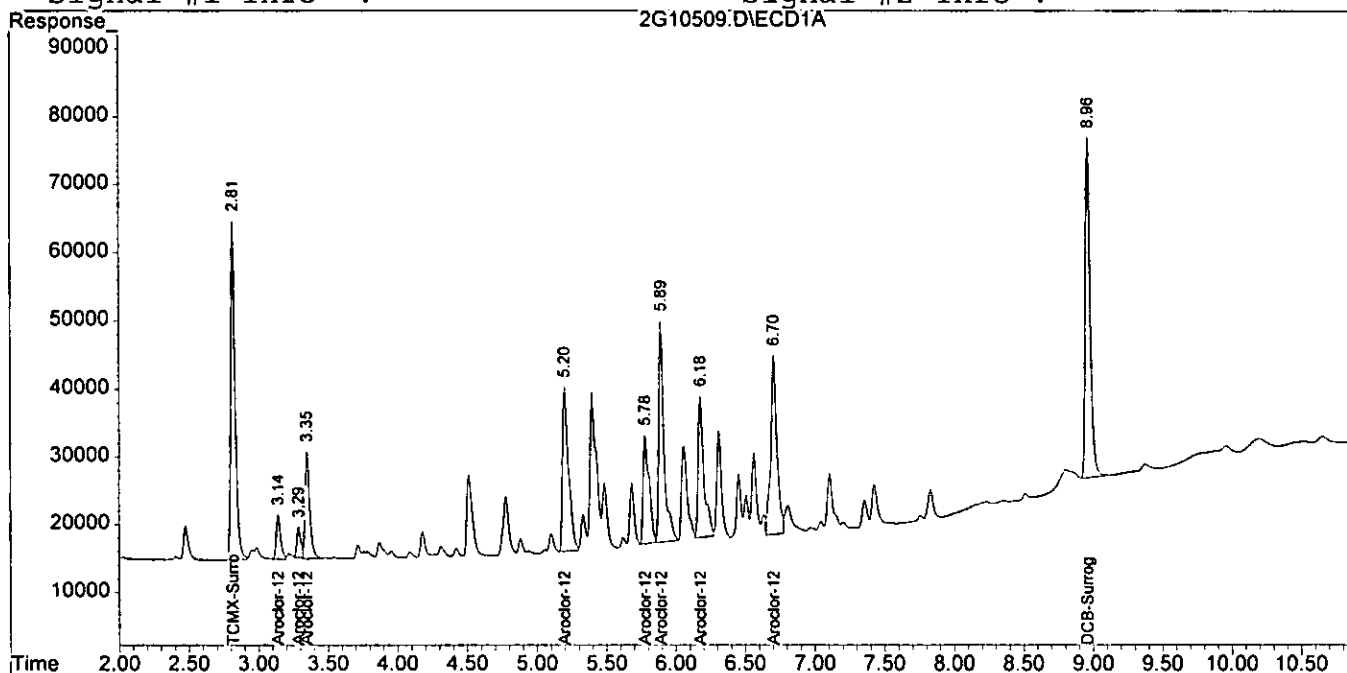
Quantitation Report

10001

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10509.D\ECD1A.CH Vial: 7  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-05-05\2G10509.D\ECD2B.CH  
 Acq On : 5 Aug 2005 4:15 Operator: JK  
 Sample : CAL 2154@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 5 6:45 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Jul 22 08:05:17 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Form7  
Continuing Calibration

1008

Data File:  
Method:  
Calibration Name:  
Calibration Date/Time

Compound	Limit	Col	Mr	2G10580.D 8082 CAL 1660@500PP 08/08/05 08:12			2G10600.D 8082 CAL 1660@1000PP 08/08/05 13:25			2G10639.D 8082 CAL 1660@200PP 08/10/05 05:15			2G10660.D 8082 CAL 1660@500PP 08/10/05 10:29			Conc		
				Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff
TCMX-Surrogate	15	1	0	50.51	50	1.0	109.3	100	9.3	17.63	20	11.9	57.02	50	14.0			
Aroclor-1016	15	1	1	534.1	500	6.8	1067	1000	6.7	207.4	200	3.7	567.4	500	13.5			
Aroclor-1016	15	1	2	523.1	500	4.6	1010	1000	1.0	205.5	200	2.8	569	500	13.8			
Aroclor-1016	15	1	3	510.5	500	2.1	984.3	1000	1.6	197	200	1.5	557.4	500	11.5			
Aroclor-1016	15	1	4	533.8	500	6.8	996.7	1000	0.3	205.3	200	2.6	564.5	500	12.9			
Aroclor-1016	15	1	5	491.3	500	1.7	1020	1000	2.0	184	200	8.0	522.9	500	4.6			
Aroclor-1260	15	1	1	523.4	500	4.7	947.3	1000	5.3	201.9	200	1.0	525.9	500	5.2			
Aroclor-1260	15	1	2	522.6	500	4.5	946.8	1000	5.3	198.4	200	0.8	528.1	500	5.6			
Aroclor-1260	15	1	3	522.3	500	4.5	935	1000	6.5	181.7	200	9.2	509	500	1.8			
Aroclor-1260	15	1	4	516	500	3.2	952.1	1000	4.8	173.3	200	13.3	503.6	500	0.7			
Aroclor-1260	15	1	5	498	500	0.4	1081	1000	8.1	163.5	200	18.3*	510.7	500	2.1			
DCB-Surrogate	15	1	0	51.66	50	3.3	95.47	100	4.5	14.72	20	26.4*	50.39	50	0.8			
Average Difference	15	1	0			3.6			4.6			8.3			7.2			
TCMX-Surrogate	15	2	0	47.59	50	4.8	96.54	100	3.5	20.95	20	4.8	52.56	50	5.1			
Aroclor-1016	15	2	1	489.2	500	2.2	944.1	1000	5.6	256.7	200	28.3*	544.8	500	9.0			
Aroclor-1016	15	2	2	502.7	500	0.5	930.4	1000	7.0	247.3	200	23.7*	542.9	500	8.6			
Aroclor-1016	15	2	3	488.7	500	2.3	911.5	1000	8.9	230.0	200	15.0	527.2	500	5.4			
Aroclor-1016	15	2	4	489.4	500	2.1	1013	1000	1.3	254.5	200	27.2*	530.3	500	6.1			
Aroclor-1016	15	2	5	507.7	500	1.5	945	1000	5.5	243.1	200	21.6*	542.8	500	8.6			
Aroclor-1260	15	2	1	475.4	500	4.9	862.3	1000	13.8	223.2	200	11.6	498.3	500	0.3			
Aroclor-1260	15	2	2	467.1	500	6.6	845.1	1000	15.5	217.4	200	8.7	492	500	1.6			
Aroclor-1260	15	2	3	491.6	500	1.7	833.3	1000	16.7*	183.0	200	8.5	470.2	500	6.0			
Aroclor-1260	15	2	4	489.4	500	2.1	808.5	1000	19.2*	190.1	200	4.9	448.6	500	10.3			
Aroclor-1260	15	2	5	505.4	500	1.1	1020	1000	2.0	192.0	200	4.0	499.0	500	0.2			
DCB-Surrogate	15	2	0	48.2	50	3.6	79.37	100	20.6*	18.68	20	6.6	44.21	50	11.6			
Average Difference	15	2	0			2.8			9.9			13.7			6.1			

Flags/Notes:

\* - Values outside of limits for this column/run

Columns: Col1 db-1701 : Col2 db-17



1009

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10580.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10580.D\ECD2B.CH  
 Acq On : 8 Aug 2005 8:12 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 8:20 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	986508	694718	50.507	47.586
2) Aroclor-1016 {1}	3.35	3.39	234180	137188	534.079	489.226
3) Aroclor-1016 {2}	3.71	3.80	432585	315082	523.101	502.653
4) Aroclor-1016 {3}	4.18	4.18	894698	636577	510.537	488.718
5) Aroclor-1016 {4}	4.54	4.50	609135	341761	533.800	489.377
6) Aroclor-1016 {5}	4.78	4.86	435755	214001	491.322	507.691
7) Aroclor-1260 {1}	6.05	6.17	527458	368422	523.412	475.417
8) Aroclor-1260 {2}	6.31	6.26	631644	405175	522.609	467.098
9) Aroclor-1260 {3}	7.09	7.39	467090	832177	522.273	491.551
10) Aroclor-1260 {4}	7.42	7.94	1137336	409966	516.001	489.409
11) Aroclor-1260 {5}	7.82	8.48	812101	282163	497.972	505.374
35) DCB-Surrogate	8.96	9.28	1166954	727865	51.655	48.202

*08/11/05*

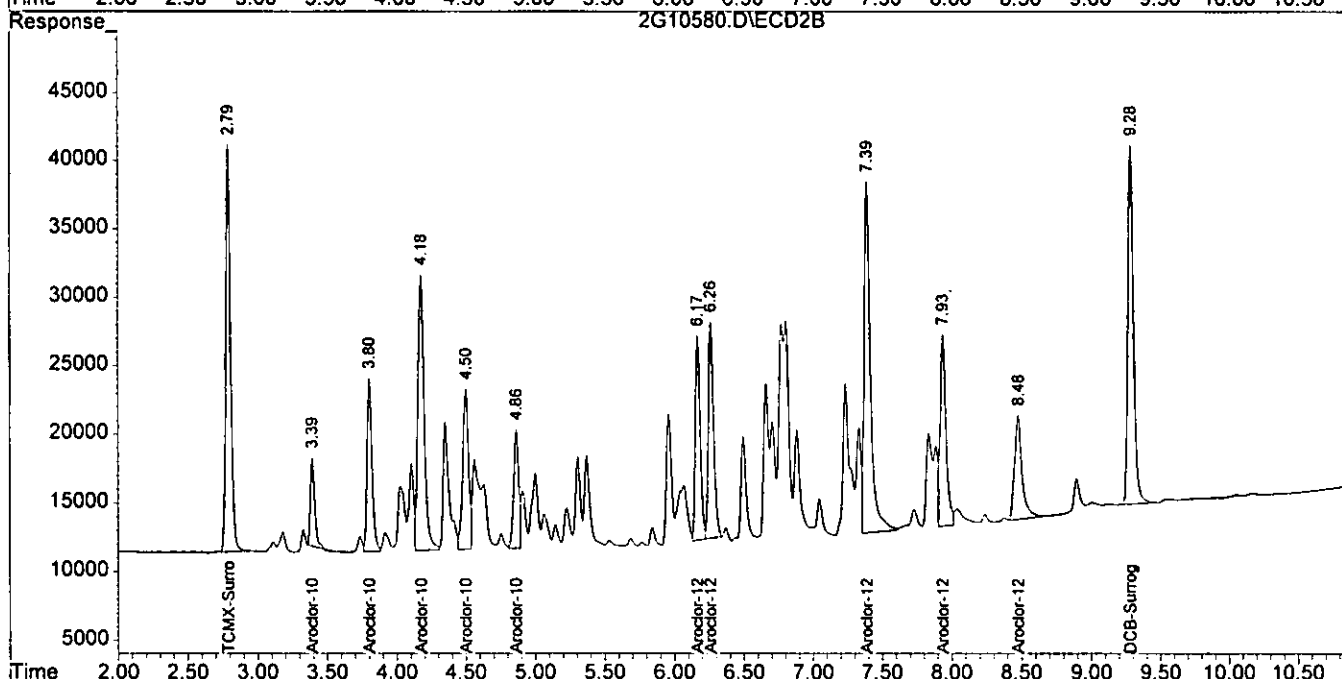
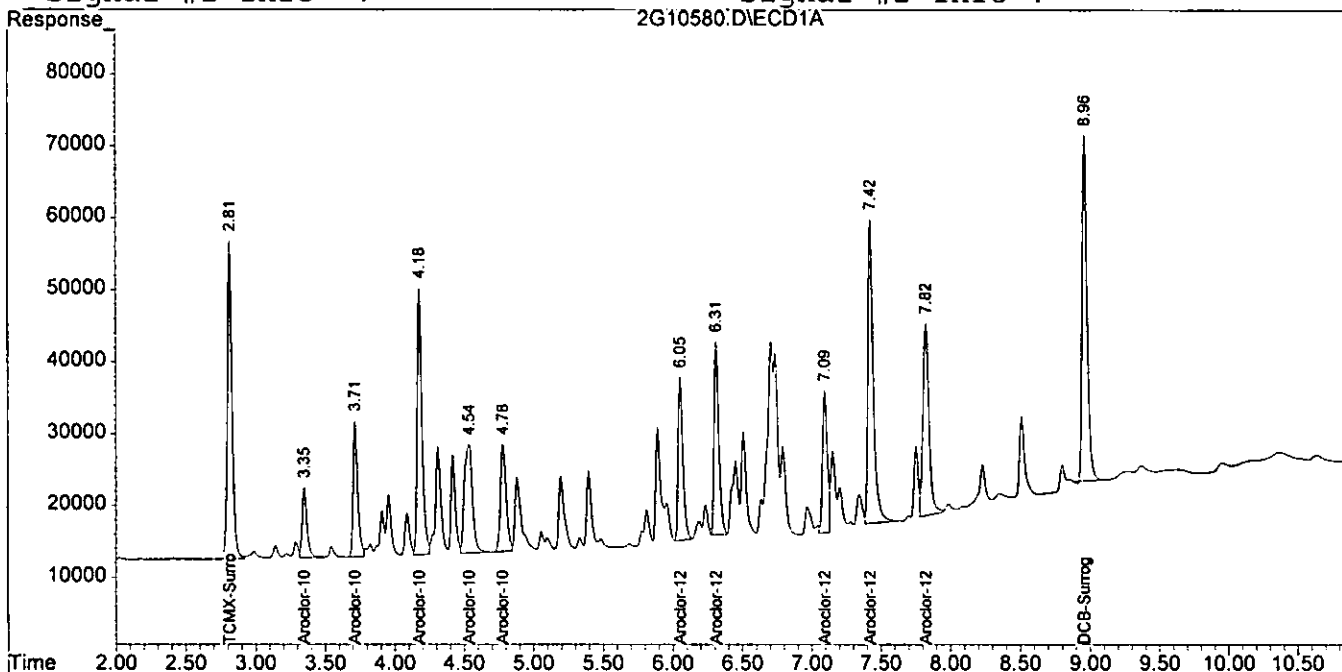
Quantitation Report

1111

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10580.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10580.D\ECD2B.CH  
 Acq On : 8 Aug 2005 8:12 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 8:20 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



101

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10600.D\ECD1A.CH Vial: 22  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10600.D\ECD2B.CH  
 Acq On : 8 Aug 2005 13:25 Operator: JK  
 Sample : CAL 1660@1000PPB Inst : gc\_2  
 Misc : S,PCB:0.5 Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 13:33 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	2135531	1409416	109.333	96.541
2) Aroclor-1016 {1}	3.36	3.40	467808	264741	1066.900	944.093
3) Aroclor-1016 {2}	3.72	3.81	835120	583176	1009.865	930.347
4) Aroclor-1016 {3}	4.18	4.19	1724915	1187242	984.280	911.478
5) Aroclor-1016 {4}	4.54	4.51	1137377	627979	996.712	1013.261
6) Aroclor-1016 {5}	4.79	4.87	812404	398333	1019.931	944.995
7) Aroclor-1260 {1}	6.06	6.18	954663	668252	947.340	862.323
8) Aroclor-1260 {2}	6.31	6.27	1144290	733068	946.762	845.103
9) Aroclor-1260 {3}	7.10	7.40	836173	1410734	934.960	833.294
10) Aroclor-1260 {4}	7.43	7.94	2098634	677240	952.134	808.475
11) Aroclor-1260 {5}	7.83	8.48	1763345	569231	1081.265	1019.535
35) DCB-Surrogate	8.96	9.29	2072699	1198590	95.465	79.375m

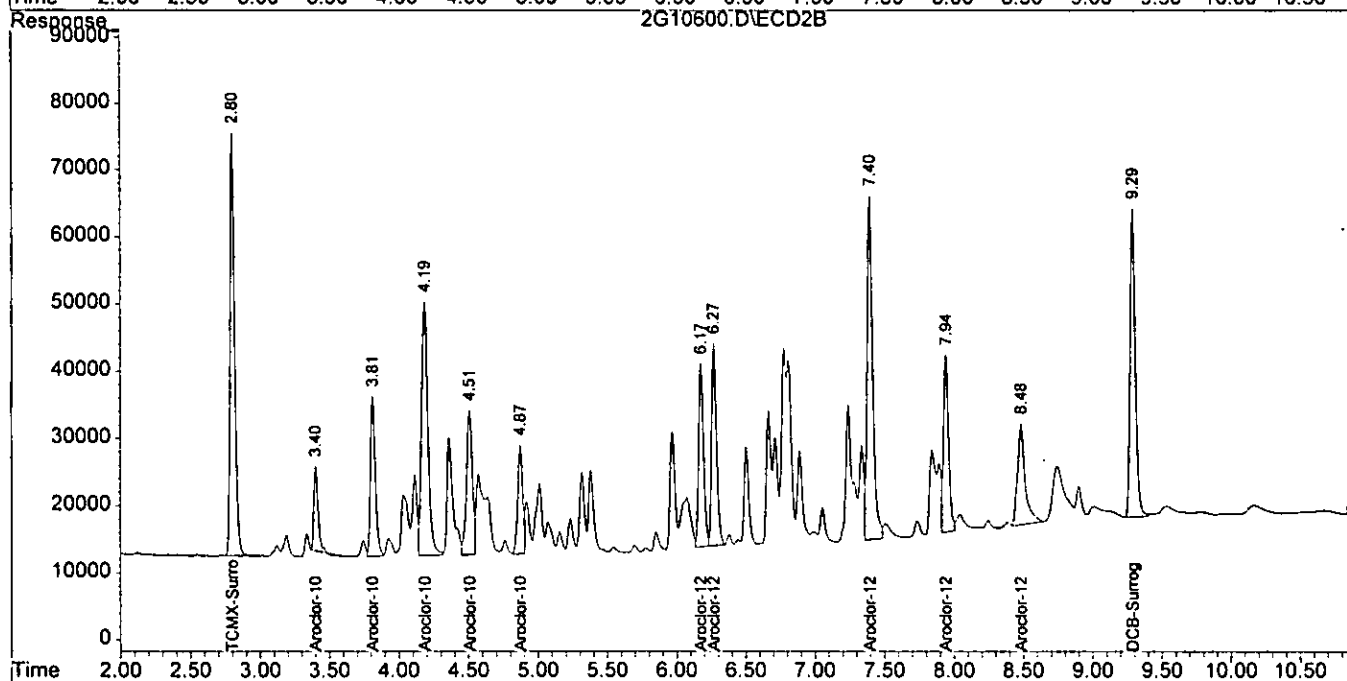
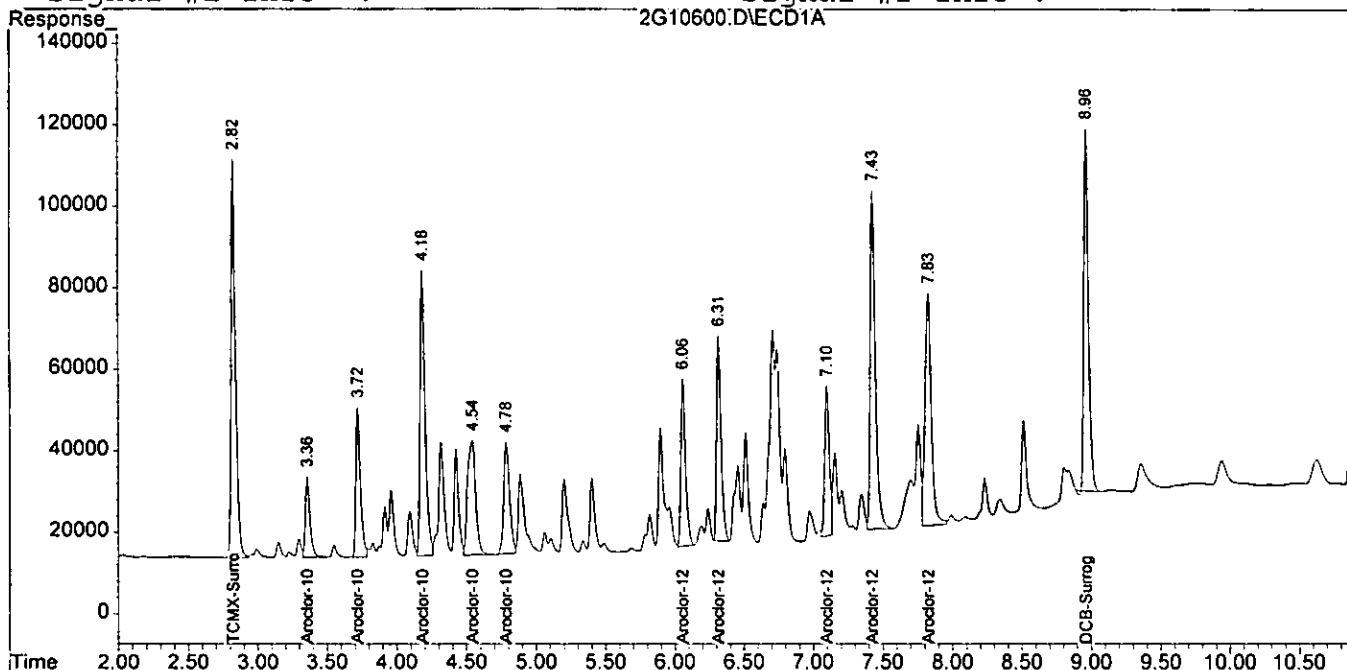
*08/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10600.D\ECD1A.CH Vial: 22  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10600.D\ECD2B.CH  
 Acq On : 8 Aug 2005 13:25 Operator: JK  
 Sample : CAL 1660@1000PPB Inst : gc\_2  
 Misc : S,PCB:0.5 Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 13:33 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GCDATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



101

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10639.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10639.D\ECD2B.CH  
 Acq On : 10 Aug 2005 5:15 Operator: JK  
 Sample : CAL 1660@200PPB Inst : gc\_2  
 Misc : S,PCB:2.5 Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 5:27 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Wed Aug 10 05:26:41 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	344366	305832	17.631	20.949
2) Aroclor-1016 {1}	3.35	3.39	90946	71971	207.415	256.657
3) Aroclor-1016 {2}	3.71	3.80	169963	155034	205.527	247.327
4) Aroclor-1016 {3}	4.18	4.17	345165	299642	196.960	230.043m
5) Aroclor-1016 {4}	4.54	4.49	234252	187124	205.281	254.486
6) Aroclor-1016 {5}	4.78	4.86	209527	102474	183.998	243.107 #
7) Aroclor-1260 {1}	6.05	6.16	203480	172984	201.919	223.221
8) Aroclor-1260 {2}	6.31	6.25	239803	188573	198.408	217.393
9) Aroclor-1260 {3}	7.09	7.38	162489	309867	181.685	183.033
10) Aroclor-1260 {4}	7.42	7.93	382043	159244	173.330	190.102
11) Aroclor-1260 {5}	7.82	8.47	266574	107212	163.460	192.024
35) DCB-Surrogate	8.96	9.27	403409	282010	14.724m	18.676 #

*08/11/05*

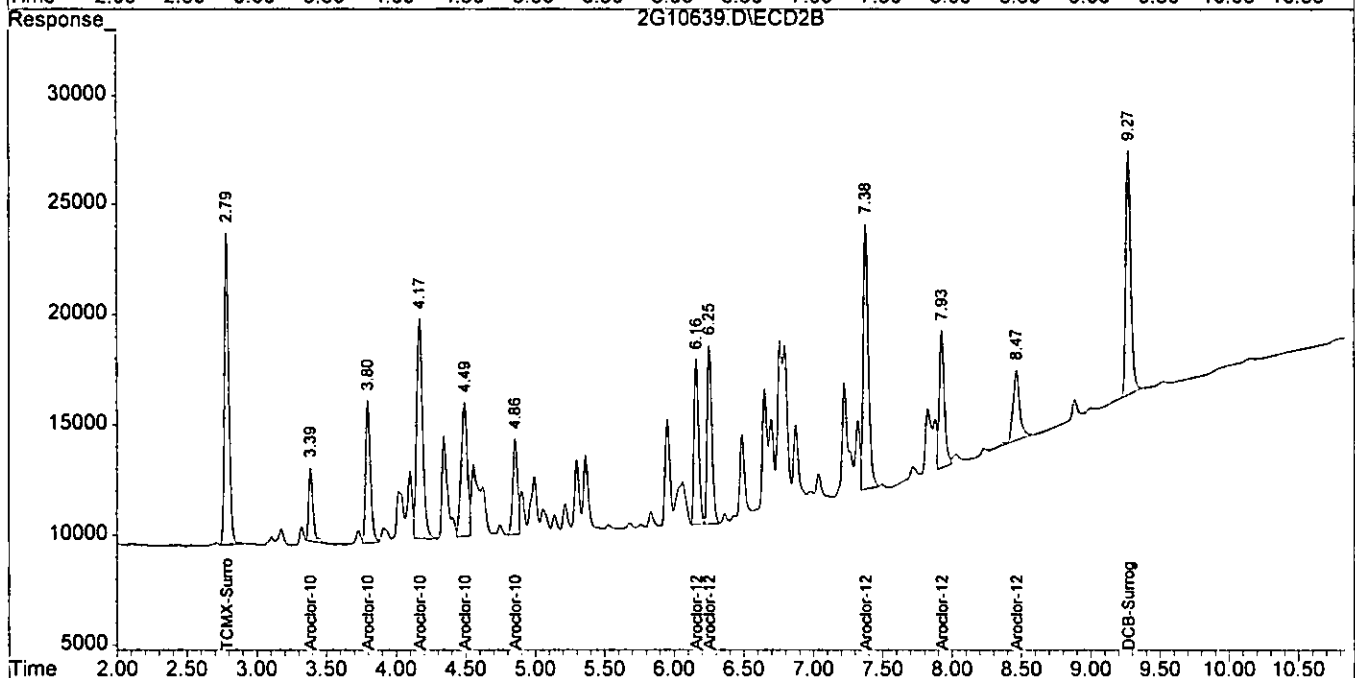
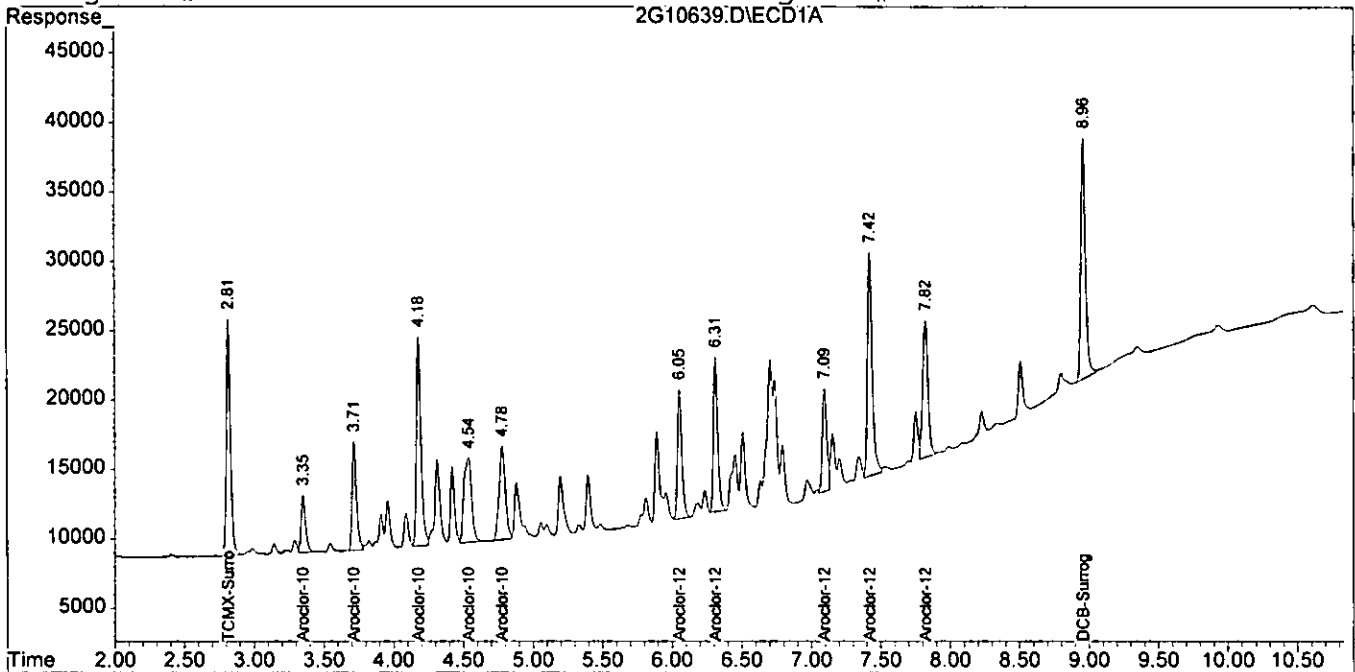
Quantitation Report

181

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10639.D\ECD1A.CH Vial: 1  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10639.D\ECD2B.CH  
 Acq On : 10 Aug 2005 5:15 Operator: JK  
 Sample : CAL 1660@200PPB Inst : gc\_2  
 Misc : S,PCB:2.5 Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 5:27 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Wed Aug 10 05:26:41 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



181

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10660.D\ECD1A.CH Vial: 22  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10660.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:29 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:36 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.80	1113750	767292	57.021	52.557
2) Aroclor-1016 (1)	3.35	3.40	248789	152774	567.397m	544.807
3) Aroclor-1016 (2)	3.72	3.81	470523	340320	568.978	542.916
4) Aroclor-1016 (3)	4.18	4.18	976871	686722	557.427	527.215
5) Aroclor-1016 (4)	4.54	4.50	644185	364773	564.515	530.317
6) Aroclor-1016 (5)	4.78	4.87	458691	228778	522.889	542.747
7) Aroclor-1260 (1)	6.05	6.17	529944	386158	525.879	498.304
8) Aroclor-1260 (2)	6.31	6.26	638262	426752	528.084	491.973
9) Aroclor-1260 (3)	7.09	7.39	455174	795948	508.949	470.151
10) Aroclor-1260 (4)	7.42	7.94	1110094	375759	503.641	448.573
11) Aroclor-1260 (5)	7.82	8.48	832914	278622	510.735	499.032
35) DCB-Surrogate	8.96	9.28	1140840	667630	50.392	44.213

*08/11/05*

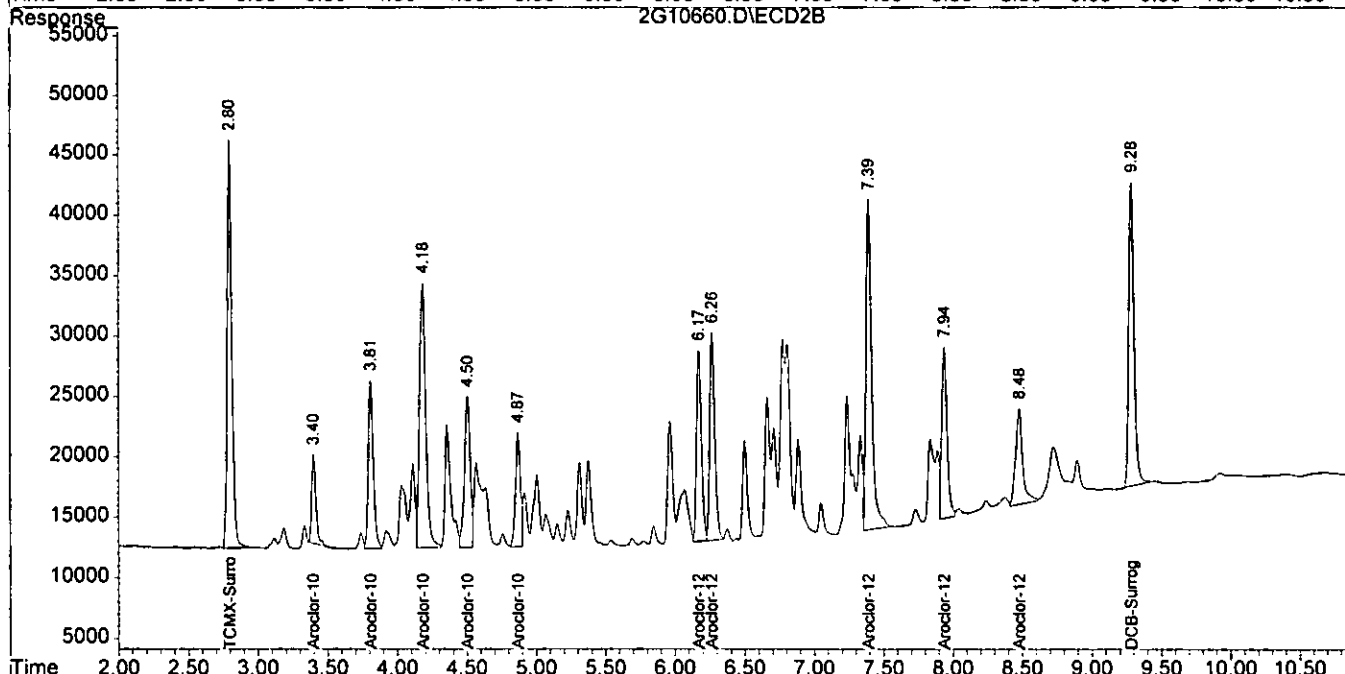
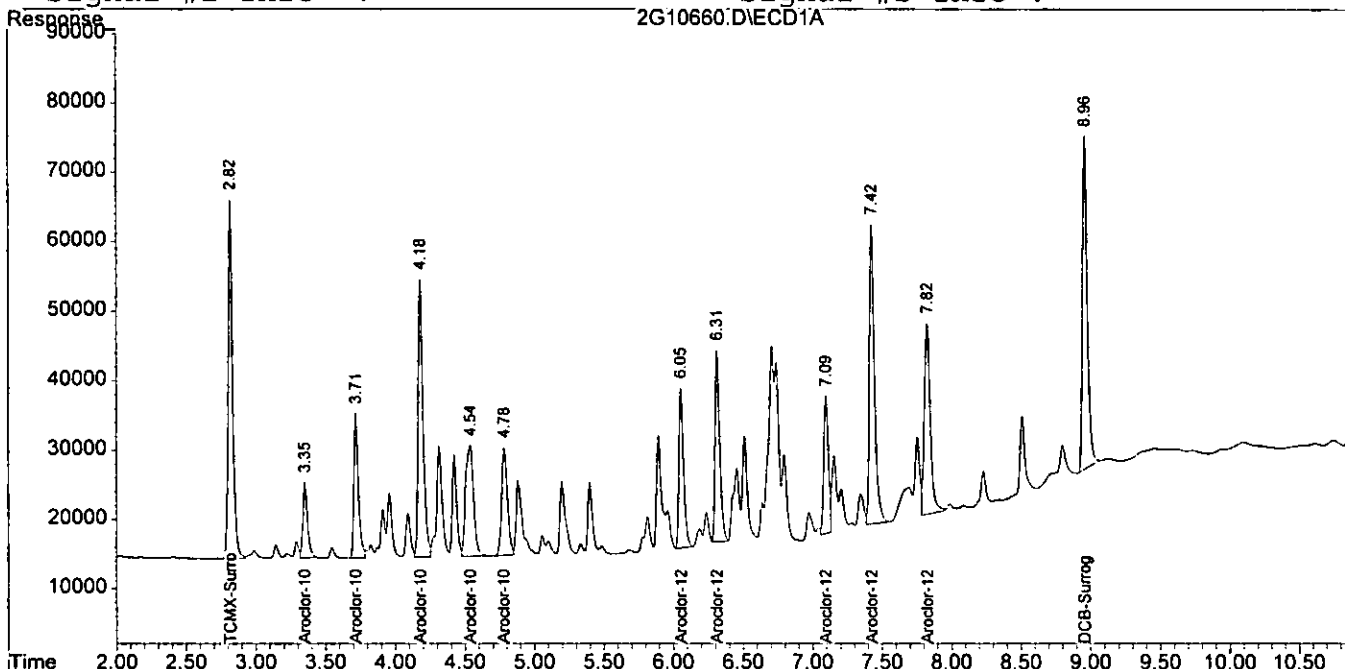
Quantitation Report

1101

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10660.D\ECD1A.CH Vial: 22  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10660.D\ECD2B.CH  
 Acq On : 10 Aug 2005 10:29 Operator: JK  
 Sample : CAL 1660@500PPB Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 10:36 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :





GC PCB Data  
Raw QC Data

**Form1**  
ORGANICS PCB REPORT

Sample Number: WMB2310  
Client Id:  
Data File: 2G10583.D  
Analysis Date: 08/08/05 08:56  
Date Rec/Extracted: NA-08/05/05

Matrix: Aqueous  
Initial Vol: 1000ml  
Final Vol: 5ml  
Dilution: 1  
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	12672-29-6	Aroclor-1248	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11141-16-5	Aroclor-1232	0.25	U	11096-82-5	Aroclor-1260	0.25	U
53469-21-9	Aroclor-1242	0.25	U				

Worksheet #: 18117

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

1019

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10583.D\ECD1A.CH Vial: 4  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10583.D\ECD2B.CH  
 Acq On : 8 Aug 2005 8:56 Operator: JK  
 Sample : WMB2310 Inst : gc\_2  
 Misc : A,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 9:21 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	1554104	1005225	79.566	68.855
35) DCB-Surrogate	8.95	9.28	1005332	579109	43.838	38.351m

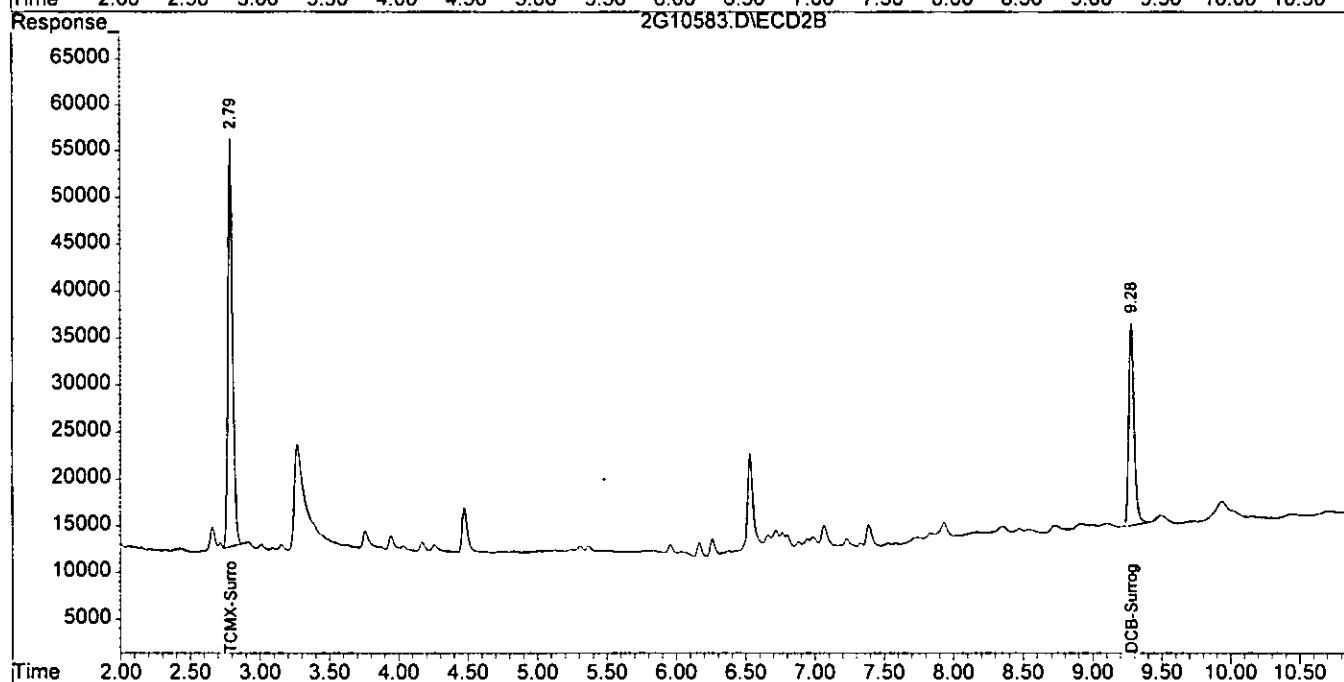
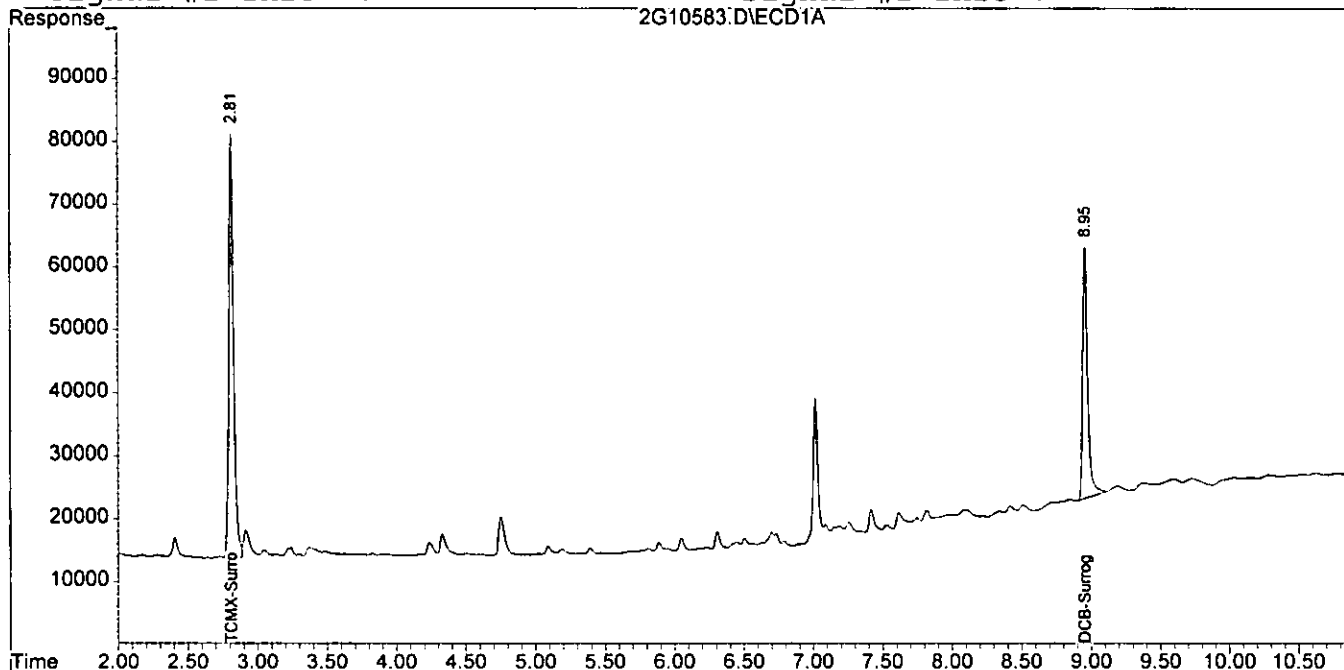
*08/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10583.D\ECD1A.CH Vial: 4  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10583.D\ECD2B.CH  
Acq On : 8 Aug 2005 8:56 Operator: JK  
Sample : WMB2310 Inst : gc\_2  
Misc : A,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 8 9:21 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Aug 05 07:46:38 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Form1

## ORGANICS PCB REPORT

Sample Number: SMB733B Matrix: Soil  
 Client Id: Initial Vol: 20g  
 Data File: 2G10647.D Final Vol: 10ml  
 Analysis Date: 08/10/05 07:21 Dilution: 1  
 Date Rec/Extracted: NA-08/09/05 Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	12672-29-6	Aroclor-1248	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11141-16-5	Aroclor-1232	0.025	U	11096-82-5	Aroclor-1260	0.025	U
53469-21-9	Aroclor-1242	0.025	U				

Worksheet #: 18117

**Total Target Concentration 0***U - Indicates the compound was analyzed but not detected.**B - Indicates the analyte was found in the blank as well as in the sample.**E - Indicates the analyte concentration exceeds the calibration range of the instrument.**R - Retention Time Out**J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

102

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10647.D\ECD1A.CHN Vial: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10647.D\ECD2B.CHN  
 Acq On : 10 Aug 2005 7:21 Operator: JK  
 Sample : SMB733B Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 7:40 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	1861015	1242088	95.279	85.079
35) DCB-Surrogate	8.95	9.28	2064928	1214962	95.089	80.459

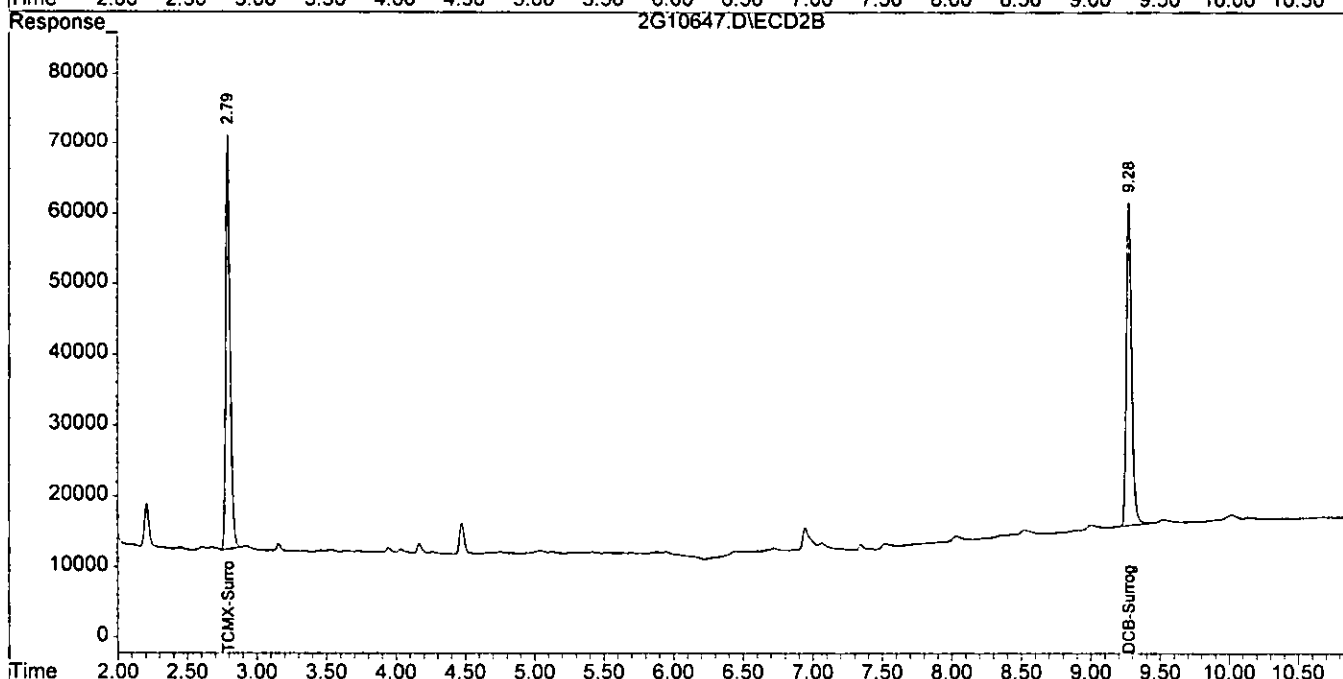
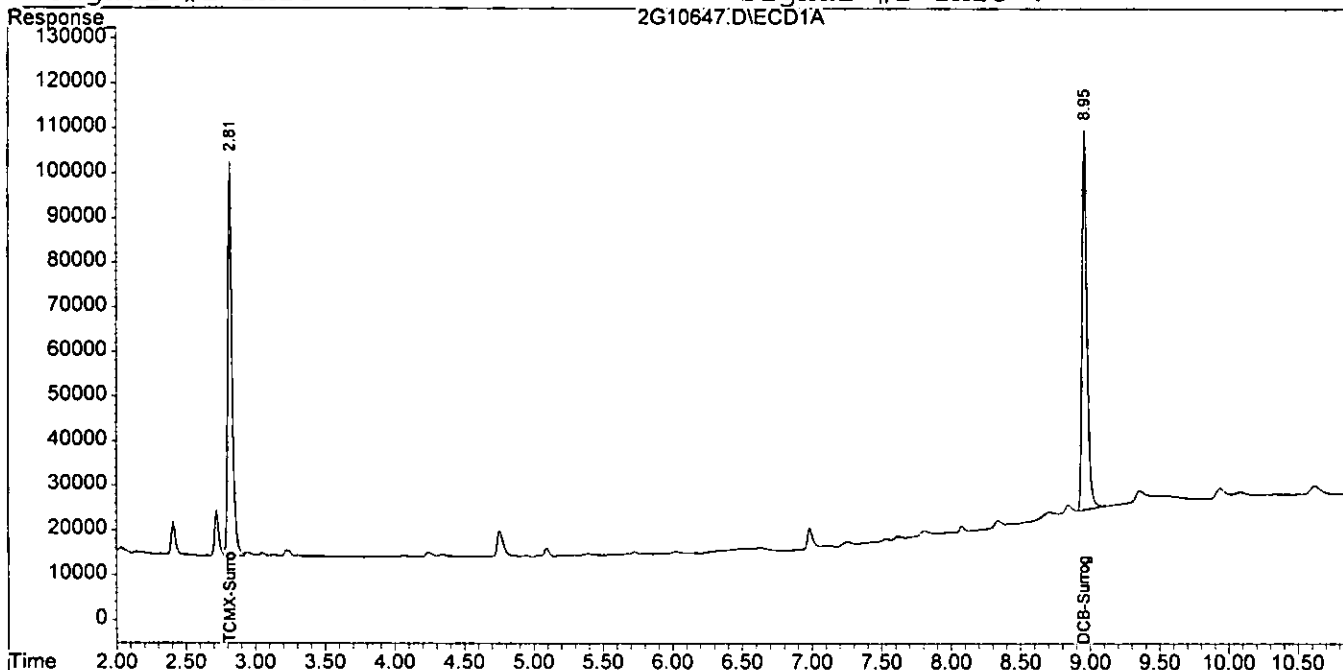
*02/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10647.D\ECD1A.CH Vial: 9  
Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10647.D\ECD2B.CH Vial: 9  
Acq On : 10 Aug 2005 7:21 Operator: JK  
Sample : SMB733B Inst : gc\_2  
Misc : S,PCB Multiplr: 1.00  
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
Quant Time: Aug 10 7:40 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
Title : @GC\_2,ug,608,8082  
Last Update : Fri Aug 05 07:46:38 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 2G\_8081.M

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data File: →		2G10584.D														
Data/Batch/Sample ID: →		WMB2310(MS)														
Date/Time: →		08/08/05 09:10														
Compound	Limit(s)				Conc %			Conc %			Conc %			Conc %		
	Soil	Aq	Col	Mr	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
Aroclor-1016		29-131	1	0	989.8	1000	99									
Aroclor-1260		29-131	1	0	968.7	1000	97									



1025

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10584.D\ECD1A.CH Vial: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10584.D\ECD2B.CH  
 Acq On : 8 Aug 2005 9:10 Operator: JK  
 Sample : WMB2310 (MS) Inst : gc\_2  
 Misc : A, PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 9:22 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.81	2.79	1588022	1014141	81.302	69.466
2) Aroclor-1016 {1}	3.35	3.39	449317	28872	1024.731	102.962 #
3) Aroclor-1016 {2}	3.71	3.80	763617	524300	923.401	836.421
4) Aroclor-1016 {3}	4.17	4.18	1637128	1078102	934.187	827.688
5) Aroclor-1016 {4}	4.53	4.50	1096252	625485	960.673	1008.549
6) Aroclor-1016 {5}	4.77	4.86	872165	363297	1105.897	861.875
7) Aroclor-1260 {1}	6.05	6.17	967124	671656	959.706	866.716
8) Aroclor-1260 {2}	6.31	6.26	1174336	744944	971.621	858.794
9) Aroclor-1260 {3}	7.09	7.39	865992	1519268	968.302	897.403
10) Aroclor-1260 {4}	7.42	7.94	2134665	757328	968.482	904.081
11) Aroclor-1260 {5}	7.82	8.48	1590431	539935	975.236	967.063
35) DCB-Surrogate	8.95	9.28	886672	590148	38.098	39.082

*CR/11/01*

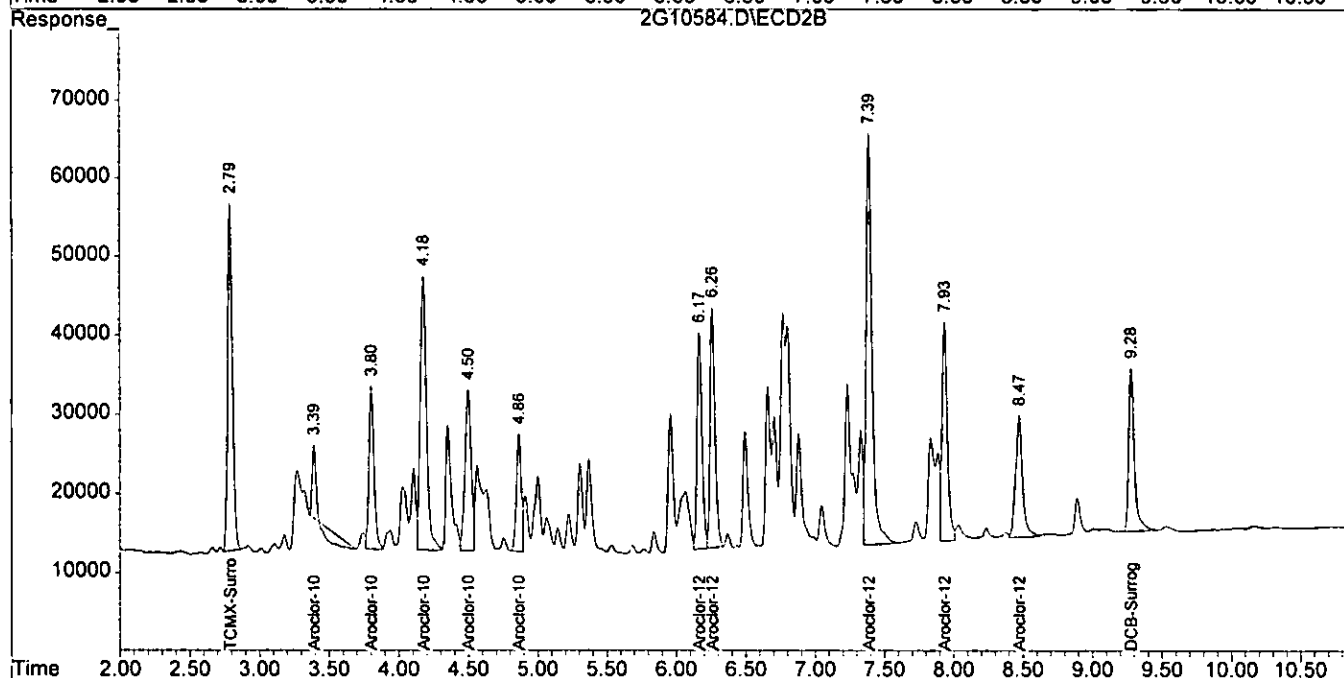
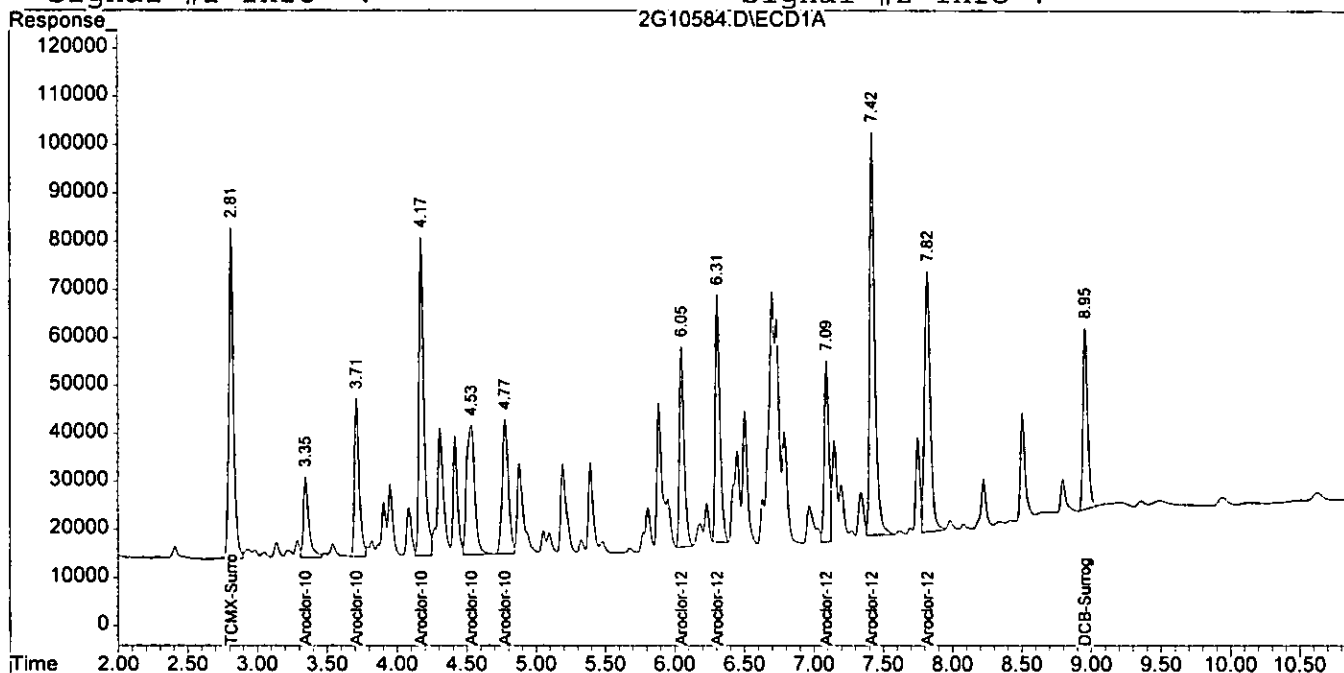
Quantitation Report

101  
9201

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10584.D\ECD1A.CH Vial: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-08-05\2G10584.D\ECD2B.CH  
 Acq On : 8 Aug 2005 9:10 Operator: JK  
 Sample : WMB2310 (MS) Inst : gc\_2  
 Misc : A,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 8 9:22 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



FORM 3  
Spike Recovery

1027

Batch Number: SMB733B

Mbs File: 2G10648.D

Mbs Name: SMB733B(MS)

Non Spk'd File: 2G10649.D

Ns Name: AC18916-008

Spike File: 2G10650.D

Ms Name: AC18916-009(MS)

Spike Dup File: 2G10651.D

Msd Name: AC18916-0010(MS)

Matrix: Soil

Method: 8082

Compound	Col	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Aroclor-1016	1	0	1000	29	131	40	1048.84	0.00	1022.59	1037.54	105	102	104	1.5
Aroclor-1260	1	0	1000	29	131	40	1044.55	0.00	1063.02	1127.07	104	106	113	5.8

Note:

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

10210

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10648.D\ECD1A.CH Vial: 10  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10648.D\ECD2B.CH  
 Acq On : 10 Aug 2005 7:36 Operator: JK  
 Sample : SMB733B(MS) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 7:46 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1931387	1280900	98.882	87.738
2) Aroclor-1016 {1}	3.35	3.39	460178	270906	1049.500	966.077
3) Aroclor-1016 {2}	3.71	3.80	838800	571744	1014.316	912.108
4) Aroclor-1016 {3}	4.18	4.18	1791386	1186984	1022.210	911.279
5) Aroclor-1016 {4}	4.54	4.50	1199983	627020	1051.574	1011.450
6) Aroclor-1016 {5}	4.78	4.86	872644	411085	1106.589	975.248
7) Aroclor-1260 {1}	6.05	6.17	1058539	733851	1050.420	946.972
8) Aroclor-1260 {2}	6.31	6.26	1272875	798398	1053.150	920.418
9) Aroclor-1260 {3}	7.09	7.39	910693	1623192	1018.284	958.789
10) Aroclor-1260 {4}	7.42	7.93	2285773	796199	1037.038	950.485
11) Aroclor-1260 {5}	7.82	8.47	1734937	623923	1063.846	1117.492
35) DCB-Surrogate	8.96	9.28	2237095	1322105	103.417	87.555

*08/11/05*

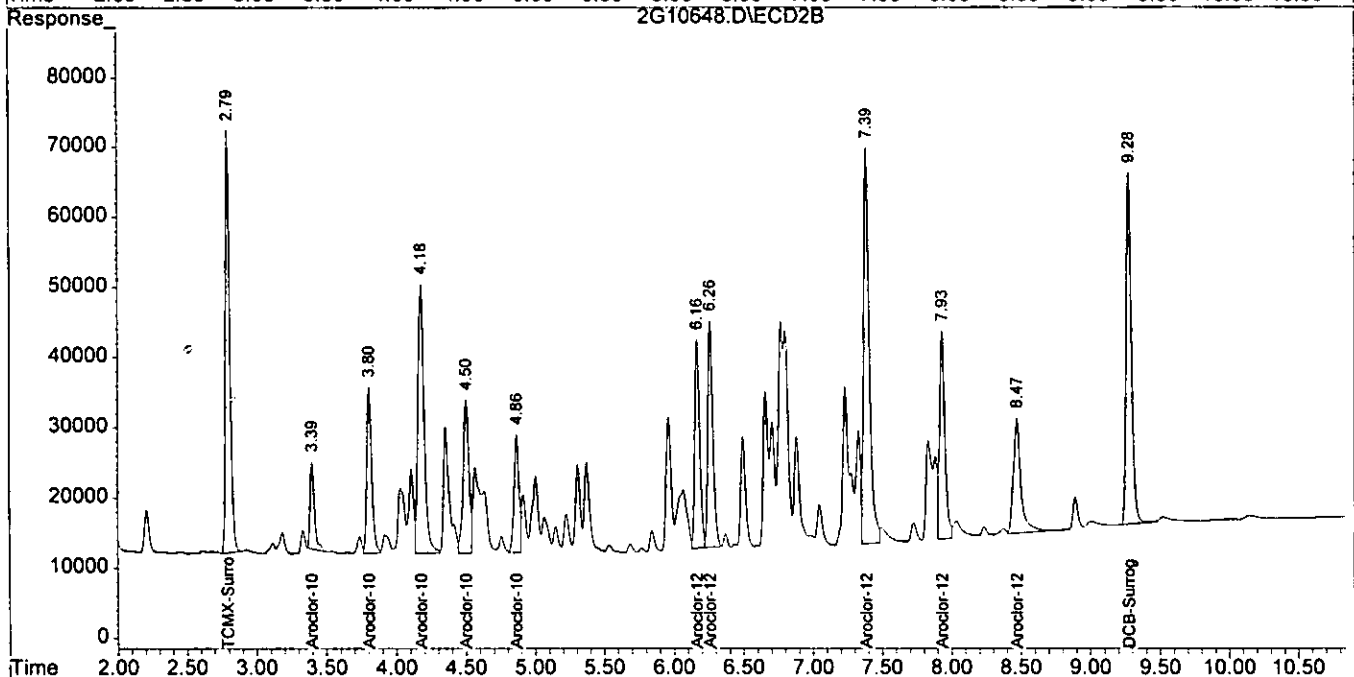
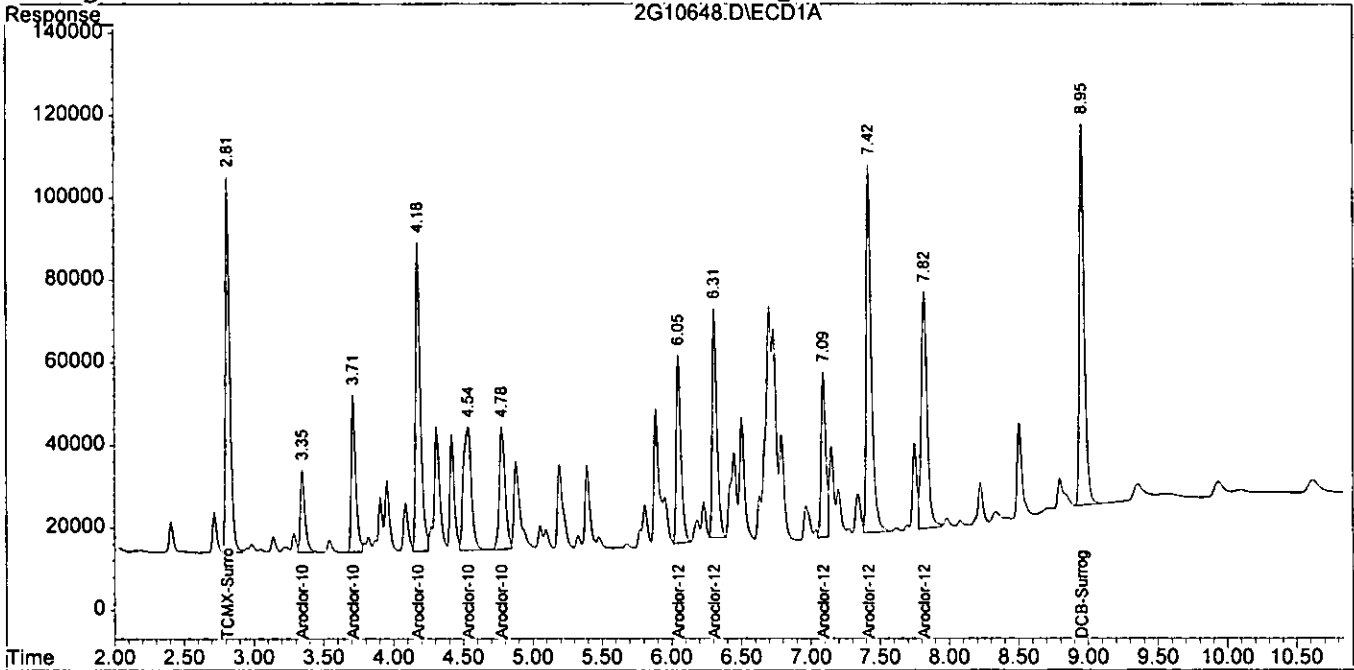
Quantitation Report

10201

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10648.D\ECD1A.CH Vial: 10  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10648.D\ECD2B.CH  
 Acq On : 10 Aug 2005 7:36 Operator: JK  
 Sample : SMB733B(MS) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 7:46 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10650.D\ECD1A.CH Vial: 12  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10650.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:05 Operator: JK  
 Sample : AC18916-009 (MS:AC18916-008) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 8:13 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	1996065	1293534	102.193	88.603
2) Aroclor-1016 {1}	3.35	3.39	455705	267781	1039.299	954.932
3) Aroclor-1016 {2}	3.71	3.81	838405	570976	1013.838	910.884
4) Aroclor-1016 {3}	4.18	4.18	1782170	1183931	1016.952	908.936
5) Aroclor-1016 {4}	4.54	4.50	1206407	573696	1057.204	911.334
6) Aroclor-1016 {5}	4.78	4.86	788465	412628	985.663	978.907
7) Aroclor-1260 {1}	6.05	6.17	1067600	743810	1059.411	959.824
8) Aroclor-1260 {2}	6.31	6.26	1282744	823843	1061.316	949.751
9) Aroclor-1260 {3}	7.09	7.39	950305	1664017	1062.576	982.903
10) Aroclor-1260 {4}	7.42	7.93	2296083	799780	1041.716	954.760
11) Aroclor-1260 {5}	7.82	8.47	1777726	593353	1090.083	1062.739
35) DCB-Surrogate	8.95	9.28	2290393	1342048	105.995	88.875

*08/11/05*

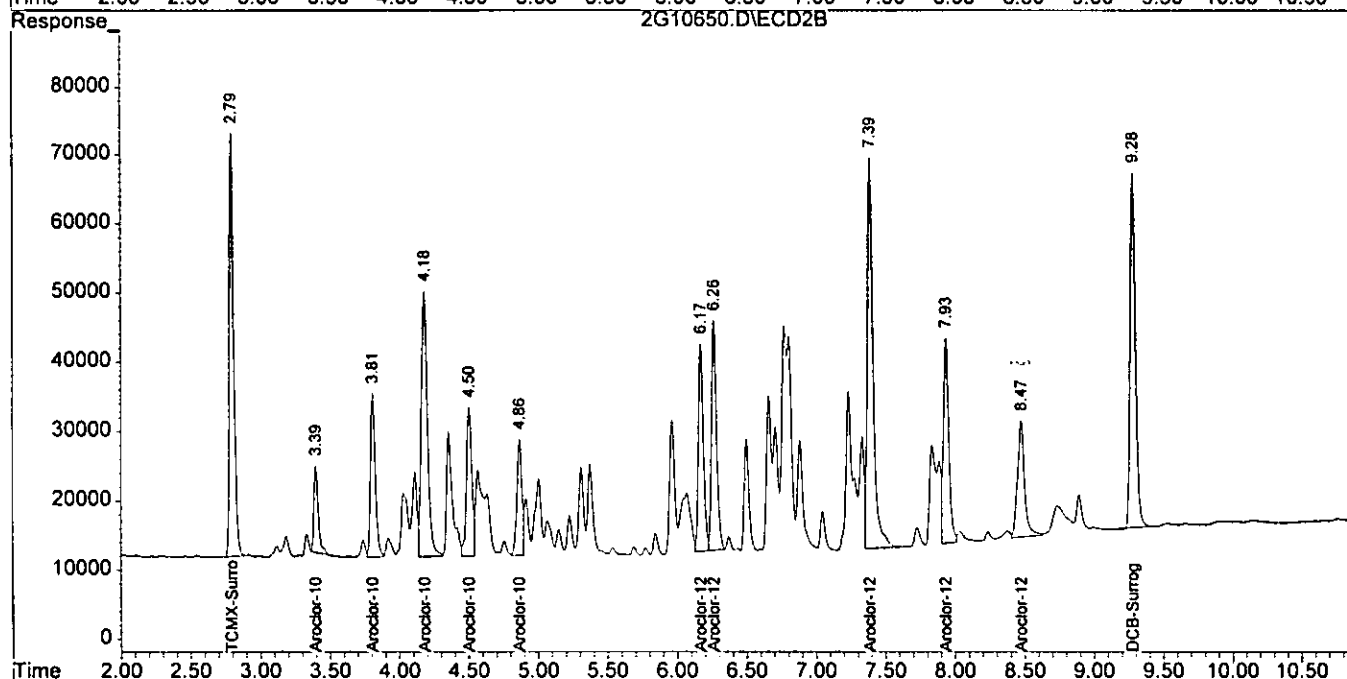
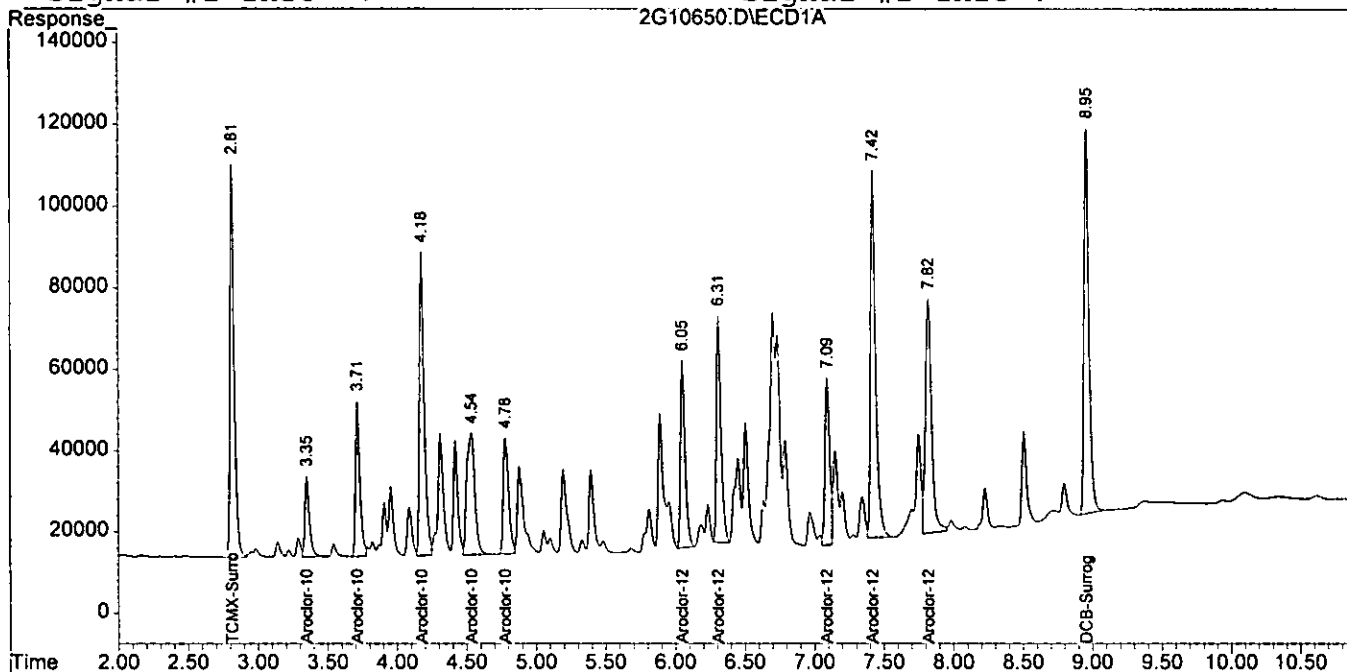
Quantitation Report

1501

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10650.D\ECD1A.CH Vial: 12  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10650.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:05 Operator: JK  
 Sample : AC18916-009 (MS:AC18916-008) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 8:13 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



183

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10651.D\ECD1A.CH Vial: 13  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10651.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:19 Operator: JK  
 Sample : AC18916-0010 (MSD:AC18916-008) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 8:28 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.82	2.79	2092430	1352484	107.127	92.641
2) Aroclor-1016 {1}	3.35	3.39	481453	281594	1098.020	1004.191
3) Aroclor-1016 {2}	3.71	3.81	880787	582629	1065.089	929.474
4) Aroclor-1016 {3}	4.18	4.18	1784950	1206047	1018.537	925.914
5) Aroclor-1016 {4}	4.54	4.50	1180409	588159	1034.421	938.366
6) Aroclor-1016 {5}	4.78	4.86	778636	443263	971.620	1051.586
7) Aroclor-1260 {1}	6.05	6.17	1107041	775771	1098.550	1001.068
8) Aroclor-1260 {2}	6.31	6.26	1346549	1017376	1114.106	1172.863
9) Aroclor-1260 {3}	7.09	7.39	1020627	1679384	1141.206	991.980
10) Aroclor-1260 {4}	7.42	7.93	2463255	828407	1117.560	988.934
11) Aroclor-1260 {5}	7.82	8.47	1898166	635210	1163.936	1137.708
35) DCB-Surrogate	8.95	9.28	2368333	1379720	109.765	91.370

*OP/1/01*



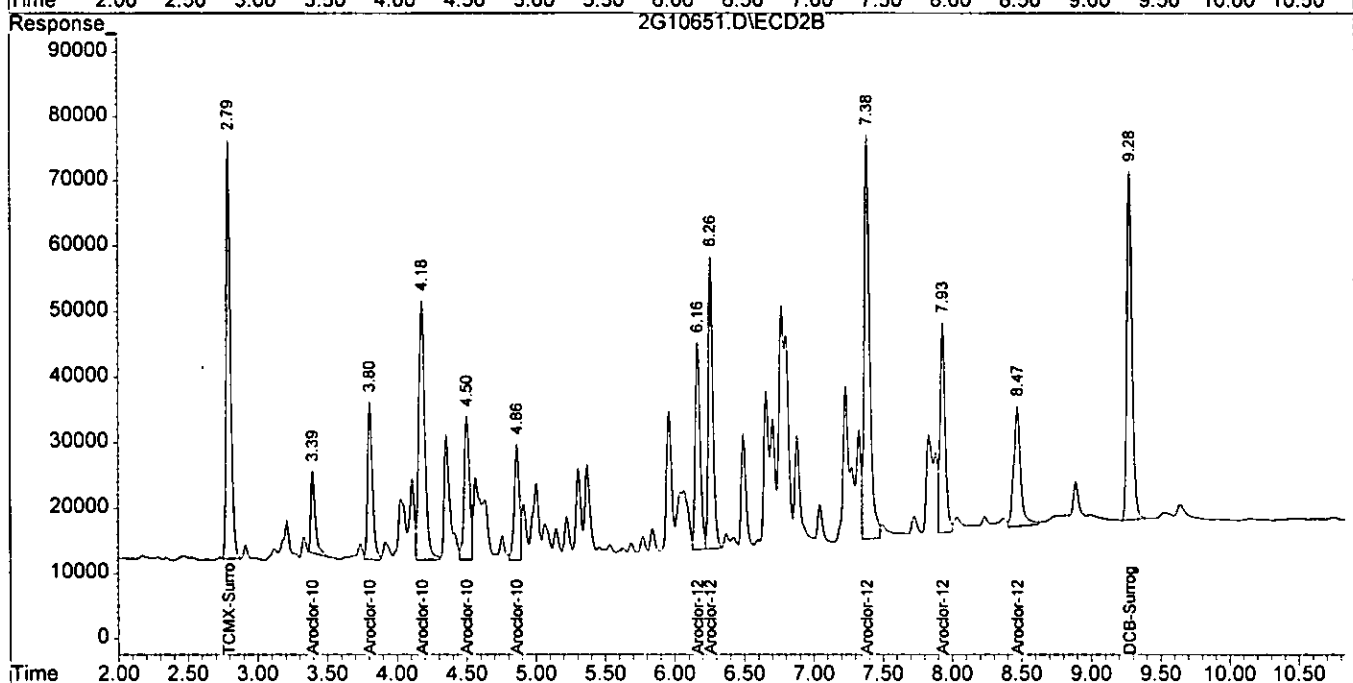
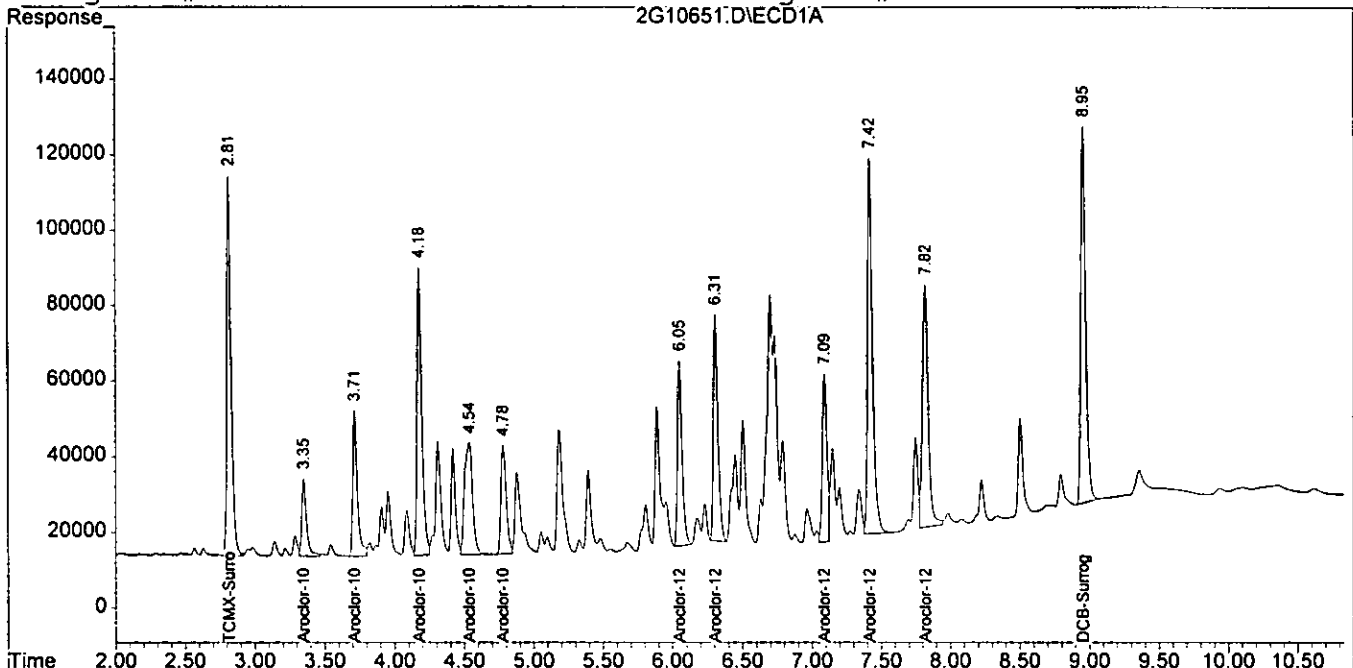
Quantitation Report

187  
801

Signal #1 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10651.D\ECD1A.CH Vial: 13  
 Signal #2 : G:\Gcdata\2005\Gc\_2\Data\08-10-05\2G10651.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:19 Operator: JK  
 Sample : AC18916-0010 (MSD:AC18916-008) Inst : gc\_2  
 Misc : S,PCB Multiplr: 1.00  
 IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E  
 Quant Time: Aug 10 8:28 2005 Quant Results File: 2G\_C0805.RES

Quant Method : G:\GC\DATA\2005\GC\_2\METHODS\2G\_C0805.M (Chemstation Integr  
 Title : @GC\_2,ug,608,8082  
 Last Update : Fri Aug 05 07:46:38 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 2G\_8081.M

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



**GC PCB Data**  
**Extraction/Logbook Data**



# RUN LOG

Instrument: GC\_2 Year: 2005

Analyst: JK

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
2G10565.	AC18778-021			PCB-8082	Soil	1	1	8082	08/05 20:17	2G10503		2G10547	2G10569	
10566.	AC18778-022			PCB-8082	Soil	1	1	8082	08/05 20:32	2G10503		2G10547	2G10569	
10567.	AC18778-023			PCB-8082	Soil	1	1	8082	08/05 20:46	2G10503		2G10547	2G10569	
2G10568.	AC18778-024	Tm		PCB-8082	Soil	1	1	8082	08/05 21:01	2G10503		2G10547	2G10569	
2G10569.	CAL. 1660 @ 1000PPB I26				Soil	0.5	1	608 8082	08/05 21:15	2G10503				
2G10570.	1000PPB	Cme			Soil	0.5	1	8082	08/05 21:29	2G10503		2G10569		
2G10571.	2000PPB	Cme			Soil	0.25	1	8082	08/05 21:44	2G10503		2G10569		
2G10572.	2000PPB	Cme			Soil	0.25	1	8082	08/05 21:58	2G10503		2G10569		

Ans	Area Not Checked	Fa	Extraction Performed Paid Hold	Cn	Warnin Possible Carry Over
An	Area Out	Fem	Solvent Extraction Date Missing/Not check'd	R1R R2R	Rnd Out on MxMed (col1 and or col2) 8000 series
Rm	Blank 8000 series missing	Ffn	Trit/Solvent Extraction Date Missing/Not check'd	R1A R2A	Rnd Out on MxMed (col1 and or col2) 8000 series
Bsm	Blank Not Found/Assigned	Eto	Totl Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Diff Out
Bof	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate Drift
C1A	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	S6	800 series surrogate out
	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I16 I26	Initial cal 8000 series failed Column 1 and or 2	Sa6 Sb6	Acid and or BN Surrogate Out (800 series)
	Calibration Column 2 Out (8000 Series)	I16 I28	Initial cal 8000 series failed Column 1 and or 2	Sa8 Sb8	Acid and or BN Surrogate Out (8000 series)
	8000 series sample/blank did not have passing cal	Ia	Initial Cal Not Checked	Sd	Surrogate Diluted Out
	8000 series sample/blank did not have passing cal	Iv	Prbh with calhd osv for init calibration check rts	Src	Surrogate Not Checked
	8000 series sample/blank did not have passing cal	Iw	Initial cal warnin: ini cal file < method	T15	Outside of 800 series Tune time
	8000 series sample/blank did not have passing cal	Iy	Initial Cal Files Not Updated Properly for a sample	T16	Outside of 800 series Tune time/Cal Time
	8000 series sample/blank did not have passing cal	M1A M2B	Spkz Out Col 1 and or Col 2 800 series	T1R	Outside of 8000 series Tune time/Cal Time
	8000 series sample/blank did not have passing cal	M1A M1B	Spkz Out Col 1 800 series And and or RN	Tm	Tro Many Samples for beginning Calibration
	8000 series sample/blank did not have passing cal	M1A M2R	Spkz Out Col 1 and or Col 2 8000 series	Tmw	If for 800 ser Troo many samples begin Calibration
	8000 series sample/blank did not have passing cal	M1A M1A	Spkz Out Col 1 8000 series Acid and or RN	Tn	Time Not Checked
	8000 series sample/blank did not have passing cal	Mnc	Spkz Not Checked for this method	To	Time File Failed
	8000 series sample/blank did not have passing cal	Or	Warnin Compound(s) Over Calibration	Wa	Warnin Instrument Id not in Txt Loc field



RUN LOG

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	Beg Cal	End Cal	BlkFile
2G10639	CAL 1660@200PPB	C26			Soil	2.5	1	608 8082	08/10 05:15	2G10503				
2G10640	SMB732B				Soil	1	1		08/10 05:32	2G10503		2G10639	2G10660	
2G10641	SMB732B(MS)		SMB732B		Soil	1	1		08/10 05:46	2G10503		2G10639	2G10660	
2G10642	AC18825-004			PCB-8082	Soil	1	1		08/10 06:01	2G10503		2G10639	2G10660	
2G10643	AC18968-001			PCB-8082	Soil	1	1		08/10 06:15	2G10503		2G10639	2G10660	
2G10644	AC18968-002			PCB-8082	Soil	1	1		08/10 06:38	2G10503		2G10639	2G10660	
2G10645	AC18869-001			PCB-8082	Soil	1	1		08/10 06:53	2G10503		2G10639	2G10660	
2G10646	AC18848-009(R)			PCB-8082	Soil	1	1		08/10 07:07	2G10503		2G10639	2G10660	
2G10647	SMB733B				Soil	1	1		08/10 07:21	2G10503		2G10639	2G10660	
2G10648	SMB733B(MS)		SMB733B		Soil	1	1		08/10 07:36	2G10503		2G10639	2G10660	
2G10649	AC18916-008		SMB733B	PCB-8082	Soil	1	1		08/10 07:50	2G10503		2G10639	2G10660	
2G10650	AC18916-009(MS:AC1		SMB733B	PCB-8082	Soil	1	1		08/10 08:05	2G10503		2G10639	2G10660	
2G10651	AC18916-0010(MSD:A		SMB733B		Soil	1	1		08/10 08:19	2G10503		2G10639	2G10660	
2G10652	AC18932-001			PCB-8082	Soil	1	1		08/10 08:34	2G10503		2G10639	2G10660	
2G10653	AC18937-001			PCB-8082	Soil	1	1		08/10 08:48	2G10503		2G10639	2G10660	
2G10654	AC18886-008			PCB-8082	Soil	1	1		08/10 09:02	2G10503		2G10639	2G10660	
2G10655	AC18873-005			PCB-8082	Soil	1	1		08/10 09:17	2G10503		2G10639	2G10660	
2G10656	AC18873-008			PCB-8082	Soil	1	1		08/10 09:31	2G10503		2G10639	2G10660	
2G10657	AC18873-009			PCB-8082	Soil	1	1		08/10 09:46	2G10503		2G10639	2G10660	
2G10658	AC18873-015			PCB-8082	Soil	1	1		08/10 10:00	2G10503		2G10639	2G10660	
2G10659	AC18873-018			PCB-8082	Soil	1	1		08/10 10:15	2G10503		2G10639	2G10660	
2G10660	CAL 1660@500PPB				Soil	1	1	608 8082	08/10 10:29	2G10503				
2G10661	WMB2312				Aqueou	1	1	608 8082	08/10 10:43	2G10503	2G10660	2G10660	2G10683	
2G10662	WMB2312(MS)		WMB2312		Aqueou	1	1	608 8082	08/10 10:58	2G10503	2G10660	2G10660	2G10683	
2G10663	AC18991-001(MS)		WMB2312	PCB-608	Aqueou	1	1	608 8082	08/10 11:12	2G10503	2G10660	2G10660	2G10683	
2G10664	AC18991-001(MSD) M16		WMB2312	PCB-608	Aqueou	1	1	608 8082	08/10 11:27	2G10503	2G10660	2G10660	2G10683	
2G10665	AC18991-001		WMB2312	PCB-608	Aqueou	1	1	608	08/10 11:41	2G10503	2G10660	2G10660	2G10683	
2G10666	AC18991-002			PCB-608	Aqueou	1	1	608	08/10 11:56	2G10503	2G10660	2G10660	2G10683	
2G10667	AC18991-003			PCB-608	Aqueou	1	1	608	08/10 12:10	2G10503	2G10660	2G10660	2G10683	
2G10668	AC18991-004			PCB-608	Aqueou	1	1	608	08/10 12:25	2G10503	2G10660	2G10660	2G10683	
2G10669	AC18940-005			PCB-8082	Aqueou	1	1	8082	08/10 12:39	2G10503		2G10660	2G10683	
2G10670	AC18991-003(100X)			PCB-608	Aqueou	100	100	608	08/10 12:53	2G10503	2G10660	2G10660	2G10683	
2G10671	AC18916-001			PCB-8082	Soil	1	1	8082	08/10 13:08	2G10503		2G10660	2G10683	
2G10672	AC18916-004			PCB-8082	Soil	1	1	8082	08/10 13:22	2G10503		2G10660	2G10683	
2G10673	AC18916-005			PCB-8082	Soil	1	1	8082	08/10 13:37	2G10503		2G10660	2G10683	
2G10674	AC18916-013			PCB-8082	Soil	1	1	8082	08/10 13:51	2G10503		2G10660	2G10683	
2G10675	AC18916-016			PCB-8082	Soil	1	1	8082	08/10 14:06	2G10503		2G10660	2G10683	
2G10676	AC18916-019			PCB-8082	Soil	1	1	8082	08/10 14:20	2G10503		2G10660	2G10683	
2G10677	AC18916-022			PCB-8082	Soil	1	1	8082	08/10 14:35	2G10503		2G10660	2G10683	
2G10678	AC18888-002			PCB-8082	Soil	1	1	8082	08/10 14:49	2G10503		2G10660	2G10683	
2G10679	AC18888-003			PCB-8082	Soil	1	1	8082	08/10 15:03	2G10503		2G10660	2G10683	
2G10680	AC18888-004			PCB-8082	Soil	1	1	8082	08/10 15:18	2G10503		2G10660	2G10683	
2G10681	TEST	Tm			Soil	0.5	1	8082	08/10 15:32	2G10503		2G10660	2G10683	
2G10682		IsCnSnc	Not Quant'd											
2G10683	CAL 1660@2000PPB				Soil	0.25	1	608 8082	08/10 16:01	2G10503				
2G10684	AC18888-005			PCB-8082	Soil	1	1	8082	08/10 16:16	2G10503		2G10683	2G10685	
2G10685	CAL 1660@2000PPB				Soil	0.25	1	608 8082	08/10 16:30	2G10503				
2G10686	CAL 1660@500PPB			C16C26C18C28	Soil	1	1	608 8082	08/10 16:44	2G10503				
2G10687	CAL 1660@500PPB			C16C26C18C28	Soil	1	1	608 8082	08/10 16:59	2G10503				

Anc	Area Not Checked	Ep	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	R16,R26	Rpd Out on MsMsd (col1 and or col2) 8000 series
B0m	Blank 8000 series missing	Eln	Tcp/Solvent Extraction Date Missing/Not check'd	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
B8m	Blank 8000 series missing	Elo	Tcp/Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate Drft
C16	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	S6	600 series surrogate out
C18	Calibration Column 1 Out (8000 Series)	Hc	Sample Analyzed outside of hold time	S8	8000 series surrogate out
C26	Calibration Column 2 Out (800 Series)	H16,H26	Initial cal 800 series failed Column 1 and or 2	Sa6,Sb6	Acid and or BN Surrogate Out (800 series)
C28	Calibration Column 2 Out (8000 Series)	H18,H28	Initial cal 8000 series failed Column 1 and or 2	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
C8f	8000 series sample/blank did not have passing cal	lv	Prob with calrpt.csv for int calibration check rts	Snc	Surrogate Not Checked
Cme	Ending Cal missing for sample (8000 series)	lw	Initial cal warning..Ini cal file <- method..	T5	Outside of 500 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	lx	Initial Cal Files Not Updated Property for a samp	T6	Outside of 8000 series Tune time/Cal Time
D1o,D2o	Drift Out Column 1 or Column 2 Cals or Inif Cals	M16,M26	Spike Out Col 1 and or Col 2 800 series	T8	Outside of 8000 series Tune time/Cal Time
Dnc	Drift Not Checked	M18a,M18b	Spike Out Col 1 800 series Acid and or BN	Tm	Too Many Samples/ for beginning Calibration
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Tm	If for 800 ser Too many samples begin Calibration
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Tn	Tune Not Checked
Emp	Problem Checking Prep/rundates modcheckpreprunda	Mnc	Spike Not Checked for this ms/msd	To	Tune File Failed
En	Eval Time Not Checked	Loc	Warning Compound(s) Over Calibration	Wie	Warning... Instrument Id not in TxtLoc field

## Veritech Internally Prepared Standard Log

1039

## Veritech Lot Number: V-210

Prepared By: Yarka		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 9/20/04		Concentration: 200 ppm		
Expiration Date: 9/30/05		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
480	TCMX	20 mg	neat	200 ppm
481	DCB	20 mg	neat	200 ppm
485	Acetone Neat	100 ml		

## Veritech Lot Number: V-2874

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1232 INTERM		BatchNumber: B-331		
Prep Date: 5/3/05		Concentration: 100 ppm		
Expiration Date: 9/30/05		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
813	Aroclor 1232	100 ul	1000 ppm	100 ppm
V-210	PEST/PCB SURR	50 ul	200 ppm	10 ppm
478	HEXANE	850 ul	NEAT	

## Veritech Lot Number: V-2875

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1242 inter		BatchNumber:		
Prep Date: 5/3/05		Concentration: 100 ppm		
Expiration Date: 9/30/05		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
814	Aroclor 1242	100 ul	1000 ppm	100 ppm
V-210	PEST/PCB SURR	50 ul	200 ppm	10 ppm
478	HEXANE	850 ul	NEAT	

## Veritech Lot Number: V-2876

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1248 inter		BatchNumber:		
Prep Date: 5/3/05		Concentration: 100 ppm		
Expiration Date: 9/30/05		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
815	Aroclor 1248	100 ul	1000 ppm	100 ppm
478	HEXANE	850 ul	NEAT	
V-210	PEST/PCB SURR	50 ul	200 ppm	10 ppm

## Veritech Lot Number: V-2877

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 2154 inter		BatchNumber:		
Prep Date: 5/3/05		Concentration: 100 ppm		
Expiration Date: 9/30/05		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
816	Aroclor 1254	100 ul	1000 ppm	100 ppm
833	Aroclor 1221	100 ul	1000 ppm	100 ppm
478	HEXANE	750 ul	NEAT	
V-210	PEST/PCB SURR	50 ul	200 ppm	10 ppm

Veritech Internally Prepared Standard Log

1040

**Veritech Lot Number: V-2878**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1232 ws		BatchNumber:		
Prep Date: 5/3/05		Concentration: 500 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
478	HEXANE	9900 ul	NEAT	
V-2874	1232 INTERM	100 ul	100 ppm	500 ppb

**Veritech Lot Number: V-2879**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1242 ws		BatchNumber:		
Prep Date: 5/3/05		Concentration: 500 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
478	HEXANE	9900 ul	NEAT	
V-2875	1242 inter	100 ul	100 ppm	500 ppb

**Veritech Lot Number: V-2880**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 1248 ws		BatchNumber:		
Prep Date: 5/3/05		Concentration: 500 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
478	HEXANE	9950 ul	NEAT	
V-2876	1248 inter	50 ul	100 ppm	500 ppb

**Veritech Lot Number: V-2882**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: 2154 ws		BatchNumber:		
Prep Date: 5/3/05		Concentration: 500 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
478	HEXANE	9950 ul	NEAT	
V-2877	2154 inter	50 ul	100 ppm	500 ppb

**Veritech Lot Number: V-3166**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: TCMX/DCB SGT		BatchNumber:		
Prep Date: 5/12/05		Concentration: 10 ppm		
Expiration Date: 9/30/05		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat ml	
V-210	PEST/PCB SURR	10 ml	200 ppm	



## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-4707

Prepared By: Quimby, Richard		Department: Organics		
Description: PCB Spike		BatchNumber:		
Prep Date: 7/8/05		Concentration: 100 ppm		
Expiration Date: 1/7/06		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	8 ml	Neat	
1074	AROCLOR 1016	1 ml	1000 ppm	100 ppm
1075	AROCLOR 1260	1 ml	1000 ppm	100 ppm

## Veritech Lot Number: V-4986

Prepared By: Desai, Kinjal		Department: Organics		
Description: 1660-INTERMEDIATE		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 100PPM		
Expiration Date: 9/30/05		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
817	Aroclor 1260	100 ul	1000 ppm	100 ppm
V-210	PEST/PCB SURR	50 ul	200PPM	100 ppm
802	n-Hexane	750 ul		neat
855	Aroclor 1016	100 ul	1000 ppm	100 ppm

## Veritech Lot Number: V-4987

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@4000PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 4000 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	400 ul	100PPM	4000 ppb
802	n-Hexane	9600 ul		neat

## Veritech Lot Number: V-4988

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@2000PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 2000 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	200 ul	100PPM	2000 ppb
802	n-Hexane	9800 ul		neat

## Veritech Lot Number: V-4989

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@1000PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 1000 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	100 ul	100PPM	1000 ppb
802	n-Hexane	9900 ul		neat

Veritech Internally Prepared Standard Log

1042

**Veritech Lot Number: V-4990**

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@500PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 500 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	50 ul	100PPM	500 ppb
802	n-Hexane	9950 ul		neat

**Veritech Lot Number: V-4991**

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@200PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 200 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	20 ul	100PPM	200 ppb
802	n-Hexane	9980 ul		neat

**Veritech Lot Number: V-4992**

Prepared By: Desai, Kinjal		Department: Organics		
Description: CAL 1660@50PPB		BatchNumber: B-527		
Prep Date: 7/20/05		Concentration: 50 ppb		
Expiration Date: 9/30/05		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-4986	1660-INTERMEDIATE	5 ul	100PPM	50 ppb
802	n-Hexane	9995 ul		neat

Veritech Standard Receipt Log

1843

**Veritech Control/Receipt Number: 478**

Description
HEXANE

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	H300-4	023660	07/14/03	01/04/07	Yarka	1	4L	NEAT	

**Veritech Control/Receipt Number: 480**

Description
TCMX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2298	LB07127	10/24/02	09/30/05	Yarka	1	1g	neat	

**Veritech Control/Receipt Number: 481**

Description
DCB

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2537	LB07636	10/24/02	10/31/05	Yarka	1	0.1g	neat	

**Veritech Control/Receipt Number: 485**

Description
Acetone Neat

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	a40-4	038587	04/14/04	01/19/10	richq	1	4L	neat	

**Veritech Control/Receipt Number: 802**

Description
n-Hexane

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Pharmco	35900HPLC	3002069	05/20/04	10/13/10	Yarka	1	4L	neat	

**Veritech Control/Receipt Number: 813**

Description
Aroclor 1232

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-4805	lb21183	10/15/04	03/31/07	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 814**

Description
Aroclor 1242

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-4806	lb18566	10/15/04	03/31/07	jean	1	1ml	1000	ppm

Veritech Standard Receipt Log

1074

**Veritech Control/Receipt Number: 815**

Description
Aroclor 1248

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-4807	lb14850	10/15/04	09/30/06	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 816**

Description
Aroclor 1254

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-4808	lb19887	10/15/04	04/30/07	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 817**

Description
Aroclor 1260

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-4809	lb20748	10/15/04	06/30/07	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 833**

Description
Aroclor 1221

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-8098	lb19357	10/20/04	03/31/07	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 855**

Description
Aroclor 1016

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	4-8097	lb20874	11/11/04	06/30/07	jean	1	1ml	1000	ppm

**Veritech Control/Receipt Number: 950**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	A40-4	043780	12/13/04	11/17/10	Akmal	1	4L	Neat	

**Veritech Control/Receipt Number: 1074**

Description
AROCLOR 1016

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	C-216S-H-10X-PAK	B3100245	03/29/05	03/28/08	Revolus, Jean	5	1ml	1000	PPM

Veritech Standard Receipt Log

1075

**Veritech Control/Receipt Number: 1075**

Description
AROCLOR 1260

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	C-260S-H-10X-PAK	B3060001	03/29/05	03/28/08	Revolus, Jean	5	1ml	1000	PPM

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-210

Prepared By: Yarka		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 9/20/04		Concentration: 200 ppm		
Expiration Date: 9/30/05		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
480	TCMX	20 mg	neat	200 ppm
481	DCB	20 mg	neat	200 ppm
485	Acetone Neat	100 ml		

## Veritech Lot Number: V-3166

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: TCMX/DCB SGT		BatchNumber:		
Prep Date: 5/12/05		Concentration: 10 ppm		
Expiration Date: 9/30/05		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat ml	
V-210	PEST/PCB SURR	10 ml	200 ppm	

## Veritech Lot Number: V-4707

Prepared By: Quimby, Richard		Department: Organics		
Description: PCB Spike		BatchNumber:		
Prep Date: 7/8/05		Concentration: 100 ppm		
Expiration Date: 1/7/06		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	8 ml	Neat	
1074	AROCLOR 1016	1 ml	1000 ppm	100 ppm
1075	AROCLOR 1260	1 ml	1000 ppm	100 ppm

## Veritech Lot Number: V-5154

Prepared By: Quimby, Richard		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 7/26/05		Concentration: 10 ppm		
Expiration Date: 9/30/05		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat	
V-210	PEST/PCB SURR	10 ml	200 ppm	10 ppm

## Veritech Lot Number: V-5452

Prepared By: Quimby, Richard		Department: Organics		
Description: PCB SPK		BatchNumber:		
Prep Date: 8/1/05		Concentration: 100 ppm		
Expiration Date: 1/31/06		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1074	AROCLOR 1016	1 ml	1000 ppm	100 ppm
1075	AROCLOR 1260	1 ml	1000 ppm	100 ppm
950	Acetone	8 ml	Neat	

Veritech Standard Receipt Log

1847

**Veritech Control/Receipt Number: 480**

Description
TCMX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2298	LB07127	10/24/02	09/30/05	Yarka	1	1g	neat	

**Veritech Control/Receipt Number: 481**

Description
DCB

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2537	LB07636	10/24/02	10/31/05	Yarka	1	0.1g	neat	

**Veritech Control/Receipt Number: 485**

Description
Acetone Neat

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	a40-4	038587	04/14/04	01/19/10	richq	1	4L	neat	

**Veritech Control/Receipt Number: 950**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	A40-4	043780	12/13/04	11/17/10	Akmal	1	4L	Neat	

**Veritech Control/Receipt Number: 1074**

Description
AROCLOR 1016

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	C-216S-H-10X-PAK	B3100245	03/29/05	03/28/08	Revolus, Jean	5	1ml	1000	PPM

**Veritech Control/Receipt Number: 1075**

Description
AROCLOR 1260

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
ACCUSTANDAR	C-260S-H-10X-PAK	B3060001	03/29/05	03/28/08	Revolus, Jean	5	1ml	1000	PPM

Method Blank No. WMB- 2310  
Blank Spike (WMBS): 2305 Pest  
Blank Spike (WMBS): 2310 PCB

Date: 8/5/05  
Matrix Spike: 18808-001  
Matrix Spike: \_\_\_\_\_

Analysis: Pest / PCB / Herb / Other(list):

Sample Number	No. in batch				Initial Vol	Final Vol	Comments	TCLP QC	Extraction Fluid
	Pest	PCB	Herb	Other					
MB 2310	X	X			1000ml	5ml		18808-001	EF2-V4993
MB 2310	X	X			↓				
<del>MS</del>		X							
<del>MS</del>		X							
18737-022	14				1000ml	5ml	Due to PCB		
18737-025	15				1000ml		SAMPLES ARE		
18737-027	16				1000ml		ALL FIELD		
18737-014	17	1			975ml		BLANKS.		
18886-009		2			650ml				
18888-001	18	3			1000ml		RACK		
18916-025	19	4			↓		19	5	5
18907-005	20				100ml	↓			

Cleanup: Acid \_\_\_ TBA \_\_\_ Copper \_\_\_ Florisil \_\_\_ Other \_\_\_

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	10	Y4044	Pest / PCB / Herb / Other
↓	100	Y4707	Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	10	V5154	Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other

Reagent Lots: MeCL2 051907 Acetone \_\_\_\_\_ Hexane 044526 Na2SO4 052002 Ether \_\_\_\_\_  
MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: Alex [Signature]  
Received By: Kosui [Signature]

Date: 8/5/05  
Date: 8/8/05



Method Blank No. WMB- 2288  
 Blank Spike (WMBS): 2287 Pest  
 Blank Spike (WMBS): 2280, 2288 PCB

Date: 07/15/05  
 Matrix Spike: 18499-008 Pest  
 Matrix Spike: 18392-004, 18550-001

Analysis: Pest / PCB / Herb / Other(list):

Sample Number	No. in batch				Initial Vol	Final Vol	Comments	TCLP QC	Extraction Fluid
	Pest	PCB	Herb	Other					
MB 2288	X	X			1000ml	5ml	Rack 21A	18499-008	SEI-V4579
MBS 2288	X	X			↓	↓			
18539-001		18			1000ml	1ml		18499-008	
18540-001		19			980ml	↓			
18541-001		20			500ml	5ml			
MS 18550-001		X			460ml	↓			
MBS 18550-001		X			↓	↓			
18550-001	2	1			980ml	↓			
18541-002		2			900ml	↓			
18490-002	3				100ml	↓		7/2	3
								7/21	

Cleanup: Acid \_\_\_ TBA \_\_\_ Copper \_\_\_ Florisil \_\_\_ Other \_\_\_

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	1.00	V4215	(Pest) (PCB) Herb/ Other
	1.00	V4044	Pest / PCB / Herb/ Other
	Am 07/21		Pest / PCB / Herb/ Other
			Pest / PCB / Herb/ Other
			Pest / PCB / Herb/ Other

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50 to 100	10	V3166	(Pest) (PCB) Herb/ Other
Am 07/21			Pest / PCB / Herb/ Other
			Pest / PCB / Herb/ Other
			Pest / PCB / Herb/ Other
			Pest / PCB / Herb/ Other

Reagent Lots: MeCL<sub>2</sub> 05024 Acetone \_\_\_ Hexane 04452 Na<sub>2</sub>SO<sub>4</sub> 046076 Ether \_\_\_  
 MTBE \_\_\_ Other \_\_\_

Relinquished By: PM  
 Received By: Kereci

Date: 07/15/05  
 Date: 7/18/05

Method Blank No. SMB- 733B  
Blank Spike (SMBS): 7298, 733B PEST  
Blank Spike (SMBS): 7318, 733B PCA

Date: 8/9/05  
Matrix Spike: 18830-011, 18916-009, 18916-010  
Matrix Spike: 18848-012, 18916-009, 18916-010

Analysis Pest / PCB Herb / Other

Sample Number	No. in batch				Initial Volume	Final Volume	Extracted By/Position/ Comments
	Pest	PCB	Herb	Other			
MB 733B	x	x			20g	10.0ml	GN / 1,1/ Rack #26921
MBS 733B	x	x					12,3 /
18888-002	18	7					17,17
18888-003	19	8					18,18
18888-004	20	9					19,19
18916-009ms	x	x					14,6 /
18916-010ms	x	x					15,7 /
18916-008	1	1					18,8 /
18916-001	2	2					19,9 /
18916-004	3	3					10,10 /
18916-005	4	4					11,11 /
18916-013	5	5					12,12 /
18916-016	6	6					13,13 /
18916-019	7	7					14,14 /
18916-022	8	8					15,15 /
18888-005	9	9					16,16 /
18873-005	10	10					20,20 /
18873-008	11	11					18,11,1 /
18873-009	12	12					24,2,2 /
18873-015	13	13					3,3 /
18873-018	14	14					4,4 /
188937-001		15					5,5 /
18932-001		16					6 /
18886-008		17					17 /

Cleanup: Acid  TBA  Copper  Florisil  Other

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	100	V-5152	Pest <u>PCB</u> Herb / Other
100	10	V-4044	PEST

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
100	10	V-5154	<u>PCB</u> Herb / Other

Reagent Lots: MeCL2 \_\_\_\_\_ Acetone 050776 Hexane 044526 Na2SO4 \_\_\_\_\_ Ether \_\_\_\_\_  
MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: GN  
Received By: Kesli

Date: 8/9/05  
Date: 8/10/05

**GC Pesticide Data**

**GC Pesticide Data  
QC Summary**

FORM2  
Surrogate Recovery

1053

Dfile	Sample#	Matrix	Surr Dil	Dilute Out Flag	Column1	Column2	Column1	Column2	Column0	Column0
					S1 Recov	S2 Recov	S3 Recov	S4 Recov	S5 Recov	S6 Recov
3G08511.	SMB733B	Soil	1		81	78	76	74		
5G03478.	WMB2310	Aqueous	1		83	81	47	44		
3G08517.	AC18873-005	Soil	1		84	78	66	123		
3G08518.	AC18873-008	Soil	1		93	89	78	115		
3G08519.	AC18873-009	Soil	1		91	90	73	112		
5G03489.	AC18873-014	Aqueous	1		78	76	29	27		
3G08520.	AC18873-015	Soil	1		99	101	63	68		
3G08521.	AC18873-018	Soil	1		94	92	58	75		
3G08512.	SMB733B(MS)	Soil	1		79	77	82	78		
3G08514.	AC18916-009(MS:AC	Soil	1		80	77	81	96		
3G08515.	AC18916-010(MSD:A	Soil	1		72	66	69	71		
5G03479.	WMB2310(MS)	Aqueous	1		83	81	53	50		

Flags: SD=Surrogate diluted out  
\*=Surrogate out

Method: 8081

**Soil Limits**

**Aqueous Limits**

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	60-150
S2=TCMX-Surrogate	100	60-150
S3=DCB-Surrogate	100	20-150
S4=DCB-Surrogate	100	20-150

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	60-150
S2=TCMX-Surrogate	100	60-150
S3=DCB-Surrogate	100	20-150
S4=DCB-Surrogate	100	20-150

Data File: 5G03479.D  
Data/Batch/Sample ID: WMB2310(MS)  
Date/Time: 08/08/05 10:20

Compound	Limit(s)		Col	Mr	Conc			Conc			Conc			Conc		
	Soil	Aq			Conc	Exp	%	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
Aldrin	40-120		1	0	102.5	100	102									
Dieldrin	52-126		1	0	117.2	100	117									
Endrin	56-121		1	0	117	100	117									
gamma-BHC	56-123		1	0	103.4	100	103									
Heptachlor	40-131		1	0	101.1	100	101									
p,p'-DDT	38-127		1	0	116.1	100	116									

**FORM 3**  
Spike Recovery

1055

Batch Number: SMB733B

Mbs File: 3G08512.D

Mbs Name: SMB733B(MS)

Non Spk'd File: 3G08513.D

Ns Name: AC18916-008

Spike File: 3G08514.D

Ms Name: AC18916-009(MS)

Spike Dup File: 3G08515.D

Msd Name: AC18916-010(MSD)

Matrix: Soil

Method: 8081

Compound	Col	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
gamma-BHC	1	0	100	46	127	50	88.57	0.00	91.04	84.37	89	91	84	7.6
Heptachlor	1	0	100	35	130	31	95.87	0.00	98.36	90.03	96	98	90	8.8
Aldrin	1	0	100	34	132	43	89.86	0.00	93.63	83.83	90	94	84	11
Dieldrin	1	0	100	31	134	38	91.54	0.00	100.01	77.70	92	100	78	25
Endrin	1	0	100	42	139	45	91.42	0.00	106.50	117.53	91	107	118	9.8
p,p'-DDT	1	0	100	23	134	50	91.83	0.00	93.74	82.21	92	94	82	13

**Note:**

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4  
Blank Summary

Blank Number: WMB2310  
Blank Data File: 5G03478.D  
Matrix: Aqueous

Blank Analysis Date: 08/08/05 10:01  
Blank Extraction Date: 08/05/05  
(If Applicable)

Sample Number	Data File	Analysis Date
AC18873-014	5G03489.D	08/08/05 13:28
WMB2310(MS)	5G03479.D	08/08/05 10:20



**FORM 4**  
Blank SummaryBlank Number: SMB733B  
Blank Data File: 3G08511.D  
Matrix: SoilBlank Analysis Date: 08/10/05 07:19  
Blank Extraction Date: 08/09/05  
(If Applicable)

Sample Number	Data File	Analysis Date
AC18873-005	3G08517.D	08/10/05 08:57
AC18873-008	3G08518.D	08/10/05 09:14
AC18873-009	3G08519.D	08/10/05 09:30
AC18873-015	3G08520.D	08/10/05 09:47
AC18873-018	3G08521.D	08/10/05 10:03
AC18916-010(MSD)	3G08515.D	08/10/05 08:25
AC18916-009(MS)	3G08514.D	08/10/05 08:08
SMB733B(MS)	3G08512.D	08/10/05 07:36

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G08327.	CAL EVAL	08/03/05 10:00	Soil					
3G08328.	CAL PEST@2PPB	08/03/05 10:16	Soil		0.0000	0	0.0000	0
3G08329.	CAL PEST@10PPB	08/03/05 10:33	Soil		10.0926	0.0129	10.6465	0
3G08330.	CAL PEST@50PPB	08/03/05 10:53	Soil	3G08334.	10.0943	0.0297	10.6471	0.0188
3G08331.	CAL PEST@100PPB	08/03/05_11:09	Soil	3G08334.	10.0924	0.0109	10.6463	0.0113
3G08332.	CAL PEST@200PPB	08/03/05 11:25	Soil	3G08334.	10.0899	0.0139	10.6449	0.0019
3G08333.	CAL PEST@400PPB	08/03/05 11:42	Soil	3G08334.	10.0907	0.0059	10.6455	0.0038
3G08334.	CAL PEST@2PPB	08/03/05 11:58	Soil	3G08334.	10.0913	0	10.6451	0
3G08335.	CAL CHLOR@100PPB	08/03/05 12:15	Soil	3G08334.	10.0917	0.004	10.6463	0.0113
3G08336.	CAL_TOXAPH@500PPB	08/03/05_12:31	Soil	3G08334.	10.0910	0.003	10.6459	0.0075
3G08337.	test	08/03/05 12:48	Aqueous	3G08334.	10.0919	0.0059	10.6459	0.0075
3G08338.	2305(MS)	08/03/05 13:04	Aqueous	3G08334.	10.0908	0.005	10.6465	0.0132
3G08339.	18808-001(MS)(T)	08/03/05 13:21	Aqueous	3G08334.	10.0922	0.0089	10.6466	0.0141
3G08340.	18808-001(MSD)(T)	08/03/05 13:37	Aqueous	3G08334.	10.0905	0.0079	10.6459	0.0075
3G08341.	PEST_SPK	08/03/05_13:53	Aqueous	3G08334.	0.0000	200 *	10.6886	0.4078
3G08342.	WMB2305(MS)	08/03/05 14:27	Aqueous	3G08334.	10.0966	0.0525	10.6456	0.0047
3G08343.	AC18808-001(MS)(T)	08/03/05 14:43	Aqueous	3G08334.	10.0918	0.005	10.6442	0.0084
3G08344.	AC18808-001(MSD)(T)	08/03/05 14:59	Aqueous	3G08334.	10.0912	0.001	10.6461	0.0094
3G08345.	CAL PEST@100PPB	08/03/05 15:16	Aqueous	3G08334.	10.0912	0.001	10.6466	0.0141

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/run

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G08504.	CAL EVAL	08/10/05 05:14	Soil					
3G08505.	CALPEST@100PPB	08/10/05 05:31	Soil	3G08505.	10.0886	0	10.6462	0
3G08506.	SMB732B	08/10/05 05:58	Soil	3G08505.	10.0927	0.0406	10.6462	0
3G08507.	SMB732B(MS)	08/10/05 06:14	Soil	3G08505.	10.0879	0.0069	10.6468	0.0056
3G08508.	AC18825-004	08/10/05 06:30	Soil	3G08505.	10.0854	0.0317	10.6476	0.0131
3G08509.	AC18830-018	08/10/05 06:46	Soil	3G08505.	10.0868	0.0178	10.6467	0.0047
3G08510.	AC18830-021	08/10/05 07:03	Soil	3G08505.	10.0868	0.0178	10.6467	0.0047
3G08511.	SMB733B	08/10/05 07:19	Soil	3G08505.	10.0878	0.0079	10.6469	0.0066
3G08512.	SMB733B(MS)	08/10/05 07:36	Soil	3G08505.	10.0871	0.0149	10.6459	0.0028
3G08513.	AC18916-008	08/10/05 07:52	Soil	3G08505.	10.0861	0.0248	10.6460	0.0019
3G08514.	AC18916-009(MS:AC18	08/10/05 08:08	Soil	3G08505.	10.0882	0.004	10.6452	0.0094
3G08515.	AC18916-010(MSD:AC1	08/10/05 08:25	Soil	3G08505.	10.0853	0.0327	10.6452	0.0094
3G08516.	AC18916-022	08/10/05 08:41	Soil	3G08505.	10.0864	0.0218	10.6456	0.0056
3G08517.	AC18873-005	08/10/05 08:57	Soil	3G08505.	10.0909	0.0228	10.6482	0.0188
3G08518.	AC18873-008	08/10/05 09:14	Soil	3G08505.	10.0894	0.0079	10.6480	0.0169
3G08519.	AC18873-009	08/10/05 09:30	Soil	3G08505.	10.0898	0.0119	10.6467	0.0047
3G08520.	AC18873-015	08/10/05 09:47	Soil	3G08505.	10.0942	0.0555	10.6535	0.0685
3G08521.	AC18873-018	08/10/05 10:03	Soil	3G08505.	10.0945	0.0585	10.6537	0.0704
3G08522.	AC18888-002	08/10/05 10:19	Soil	3G08505.	10.0936	0.0495	10.6500	0.0357
3G08523.	AC18888-003	08/10/05 10:36	Soil	3G08505.	10.0930	0.0436	10.6530	0.0638
3G08524.	AC18888-004	08/10/05 10:52	Soil	3G08505.	10.0964	0.0773	10.6558	0.0901
3G08525.	AC18888-005	08/10/05 11:09	Soil	3G08505.	10.0947	0.0604	10.6545	0.0779
3G08526.	50PPB	08/10/05 11:49	Soil	3G08505.	10.0899	0.0129	10.6467	0.0047
3G08527.	CAL PEST@50PPB	08/10/05 12:05	Soil	3G08505.	10.0895	0.0089	10.6466	0.0038

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/run

## Form 5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G03467.	CAL EVAL	08/08/05 05:43	Soil					
5G03468.	CAL PEST@50PPB	08/08/05 06:51	Soil		13.9037	0	14.3106	0
5G03469.	CAL PEST@2PPB	08/08/05 07:12	Soil		13.8978	0	14.3100	0
5G03470.	CAL PEST@10PPB	08/08/05 07:30	Soil	5G03469.	13.8954	0.0173	14.3100	0
5G03471.	CAL PEST@50PPB	08/08/05 07:49	Soil	5G03469.	13.8940	0.0273	14.3082	0.0126
5G03472.	CAL PEST@100PPB	08/08/05 08:08	Soil	5G03469.	13.8944	0.0245	14.3091	0.0063
5G03473.	CAL PEST@200PPB	08/08/05 08:27	Soil	5G03469.	13.8950	0.0201	14.3085	0.0105
5G03474.	CAL PEST@400PPB	08/08/05 08:46	Soil	5G03469.	13.8940	0.0273	14.3096	0.0028
5G03475.	CAL CHLOR@100PPB	08/08/05 09:05	Soil	5G03469.	13.8940	0.0273	14.3083	0.0119
5G03476.	CAL_TOXAPH@500PPB	08/08/05 09:23	Soil	5G03469.	13.8942	0.0259	14.3085	0.0105
5G03477.	AC18907-005(T)	08/08/05 09:42	Aqueous	5G03469.	13.8944	0.0245	14.3089	0.0077
5G03478.	WMB2310	08/08/05 10:01	Aqueous	5G03469.	13.8941	0.0266	14.3093	0.0049
5G03479.	WMB2310(MS)	08/08/05 10:20	Aqueous	5G03469.	13.8944	0.0245	14.3081	0.0133
5G03480.	AC18737-027	08/08/05 10:39	Aqueous	5G03469.	13.8925	0.0381	14.3068	0.0224
5G03481.	AC18737-025	08/08/05 10:58	Aqueous	5G03469.	13.8937	0.0295	14.3069	0.0217
5G03482.	AC18737-022	08/08/05 11:16	Aqueous	5G03469.	13.8930	0.0345	14.3082	0.0126
5G03483.	AC18778-024(R)	08/08/05 11:35	Soil	5G03469.	13.8932	0.0331	14.3073	0.0189
5G03484.	AC18737-027(50X)	08/08/05 11:54	Aqueous	5G03469.	13.8969	0.0065	14.3103	0.0021
5G03485.	AC18737-025(10X)	08/08/05 12:13	Aqueous	5G03469.	13.8943	0.0252	14.3084	0.0112
5G03486.	AC18737-034(5X)	08/08/05 12:31	Soil	5G03469.	13.8950	0.0201	14.3080	0.014
5G03487.	AC18888-001	08/08/05 12:50	Aqueous	5G03469.	13.8956	0.0158	14.3105	0.0035
5G03488.	AC18916-025	08/08/05 13:09	Aqueous	5G03469.	13.8951	0.0194	14.3086	0.0098
5G03489.	AC18873-014	08/08/05 13:28	Aqueous	5G03469.	13.8932	0.0331	14.3075	0.0175
5G03490.	100PPB	08/08/05 13:47	Aqueous	5G03469.	13.8946	0.023	14.3085	0.0105
5G03491.	CAL PEST@100PPB	08/08/05 14:15	Aqueous	5G03469.	13.8955	0.0166	14.3080	0.014

Drift Compound: DCB-Surrogate

Drift Limit(s): 0.5 (Pest/Pcb) 1.5(Herb/Tph)

\* - Values outside of limits for this column/run

**GC Pesticide Data  
Sample Data**

## Form1

## ORGANICS PESTICIDE REPORT

Sample Number: AC18873-005      Matrix: Soil  
 Client Id: PCSB-43(0.5')      Initial Vol: 20g  
 Data File: 3G08517.D      Final Vol: 10ml  
 Analysis Date: 08/10/05 08:57      Dilution: 1  
 Date Rec/Extracted: 08/02/05-08/09/05      Solids: 94

## Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0053	U	7421-93-4	Endrin Aldehyde	0.0053	U
319-84-6	alpha-BHC	0.0053	U	53494-70-5	Endrin Ketone	0.0053	U
319-85-7	beta-BHC	0.0053	U	58-89-9	gamma-BHC	0.0053	U
57-74-9	Chlordane	0.011	U	76-44-8	Heptachlor	0.0053	U
319-86-8	delta-BHC	0.0053	U	1024-57-3	Heptachlor Epoxide	0.0053	U
60-57-1	Dieldrin	0.0053	U	72-43-5	Methoxychlor	0.0053	U
959-98-8	Endosulfan I	0.0053	U	72-54-8	p,p'-DDD	0.0053	U
33213-65-9	Endosulfan II	0.0053	U	72-55-9	p,p'-DDE	0.0053	0.012
1031-07-8	Endosulfan Sulfate	0.0053	U	50-29-3	p,p'-DDT	0.0053	U
72-20-8	Endrin	0.0053	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 18123

**Total Target Concentration 0.012**

*U* - Indicates the compound was analyzed but not detected.  
*B* - Indicates the analyte was found in the blank as well as in the sample.  
*E* - Indicates the analyte concentration exceeds the calibration range of the instrument.

*R* - Retention Time Out  
*J* - Indicates an estimated value when a compound is detected at less than the specified detection limit.

11/13

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08517.D\ECD1A.CH View: 14  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08517.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:57 Operator: JK  
 Sample : AC18873-005 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 9:20 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	553667	1284085	84.042	78.330
12) p,p'-DDE	6.42	6.47	151378	294134	22.137m	16.156 #
22) DCB-Surrogate	10.09	10.65	548422	3030508	66.244m	123.028m#

*08/11/05*

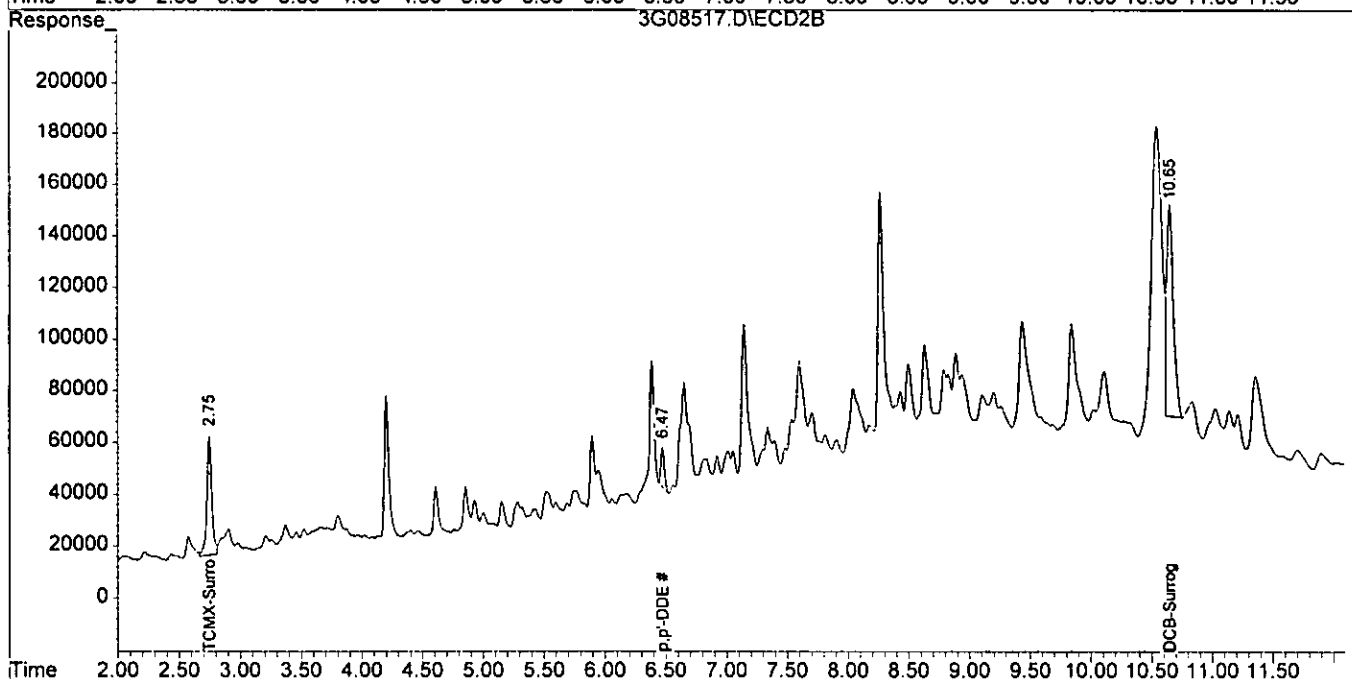
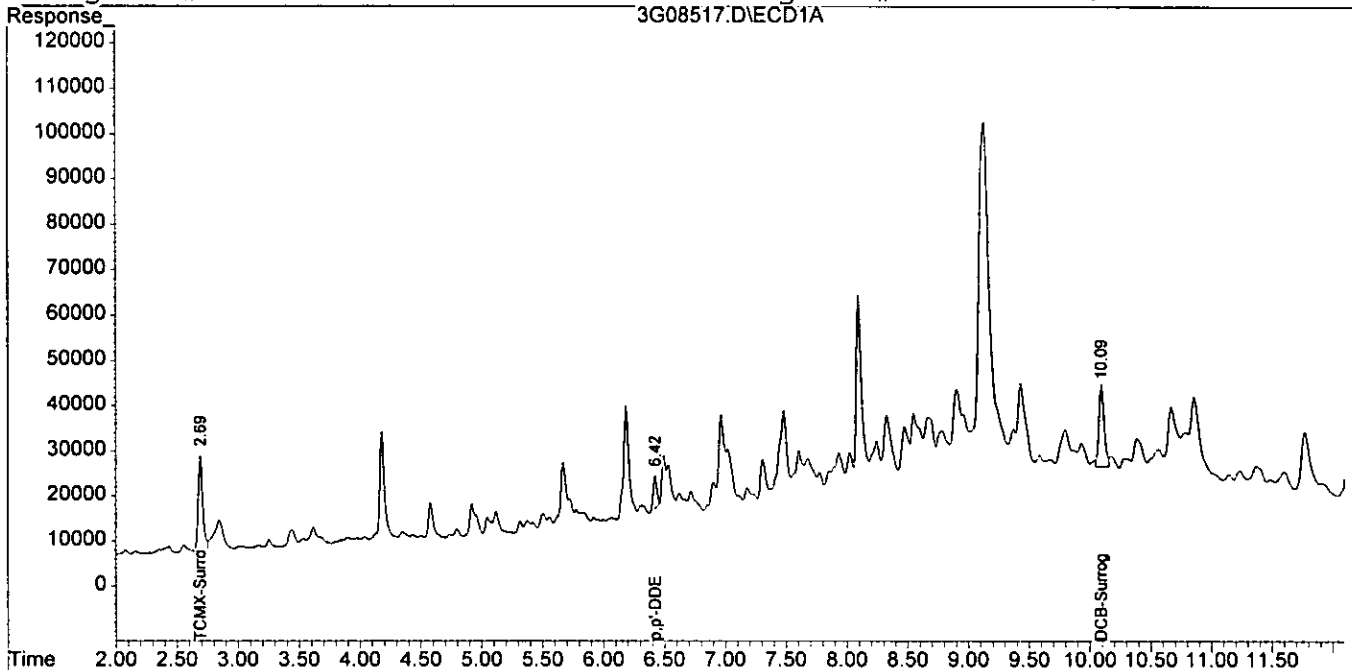
Quantitation Report

101  
757

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08517.D\ECD1A.CH Vol: 14  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08517.D\ECD2B.CH  
Acq On : 10 Aug 2005 8:57 Operator: JK  
Sample : AC18873-005 Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 10 9:20 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 13:24:25 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32





**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: AC18873-008  
Client Id: PCSB-42(0.5')  
Data File: 3G08518.D  
Analysis Date: 08/10/05 09:14  
Date Rec/Extracted: 08/02/05-08/09/05

Matrix: Soil  
Initial Vol: 20g  
Final Vol: 10ml  
Dilution: 1  
Solids: 97

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0052	U	7421-93-4	Endrin Aldehyde	0.0052	U
319-84-6	alpha-BHC	0.0052	U	53494-70-5	Endrin Ketone	0.0052	U
319-85-7	beta-BHC	0.0052	U	58-89-9	gamma-BHC	0.0052	U
57-74-9	Chlordane	0.010	U	76-44-8	Heptachlor	0.0052	U
319-86-8	delta-BHC	0.0052	U	1024-57-3	Heptachlor Epoxide	0.0052	U
60-57-1	Dieldrin	0.0052	U	72-43-5	Methoxychlor	0.0052	U
959-98-8	Endosulfan I	0.0052	U	72-54-8	p,p'-DDD	0.0052	0.0091
33213-65-9	Endosulfan II	0.0052	U	72-55-9	p,p'-DDE	0.0052	0.015
1031-07-8	Endosulfan Sulfate	0.0052	U	50-29-3	p,p'-DDT	0.0052	U
72-20-8	Endrin	0.0052	U	8001-35-2	Toxaphene	0.026	U

Worksheet #: 18123

**Total Target Concentration 0.0241**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08518.D\ECD1A.CH Vial: 15  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08518.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:14 Operator: JK  
 Sample : AC18873-008 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 9:34 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	608604	1440623	93.119	89.266
12) p,p'-DDE	6.42	6.47	204621	480270	29.923m	26.379
15) p,p'-DDD	7.41	7.20	79150	291960	15.081m	17.615
22) DCB-Surrogate	10.09	10.65	649498	2836649	78.454m	115.158m#

*08/11/05*

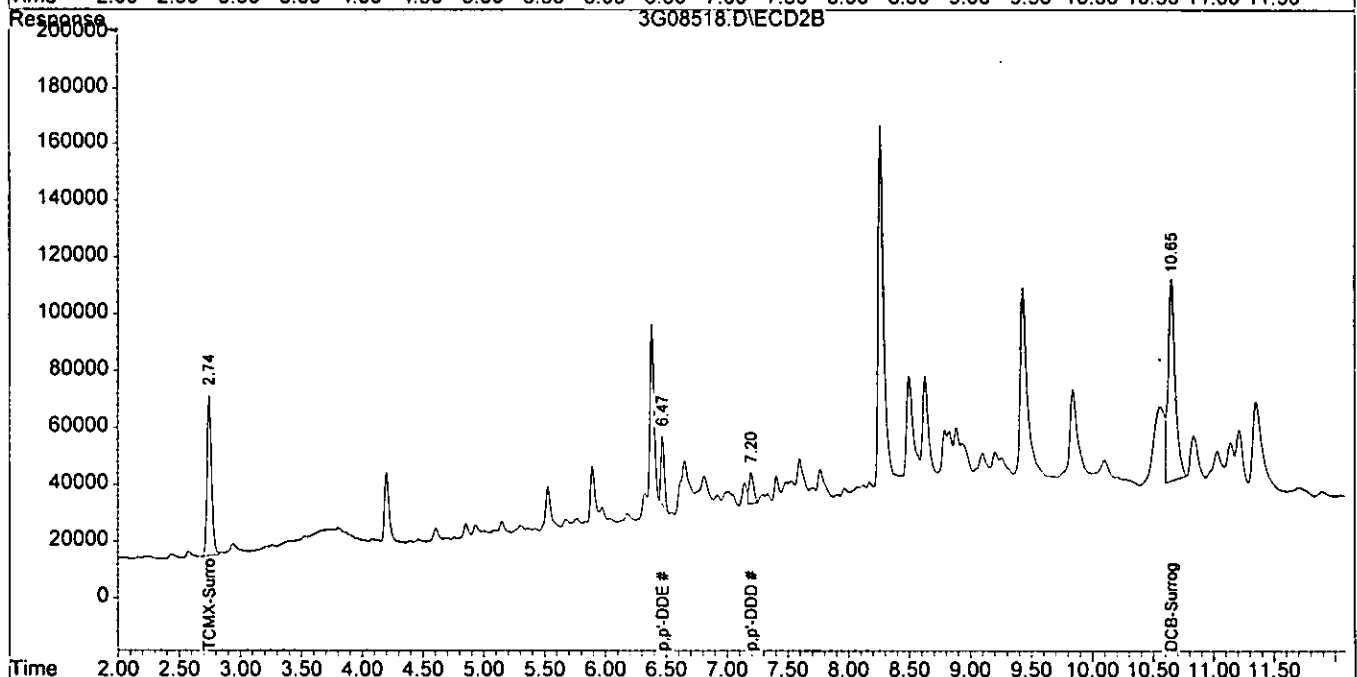
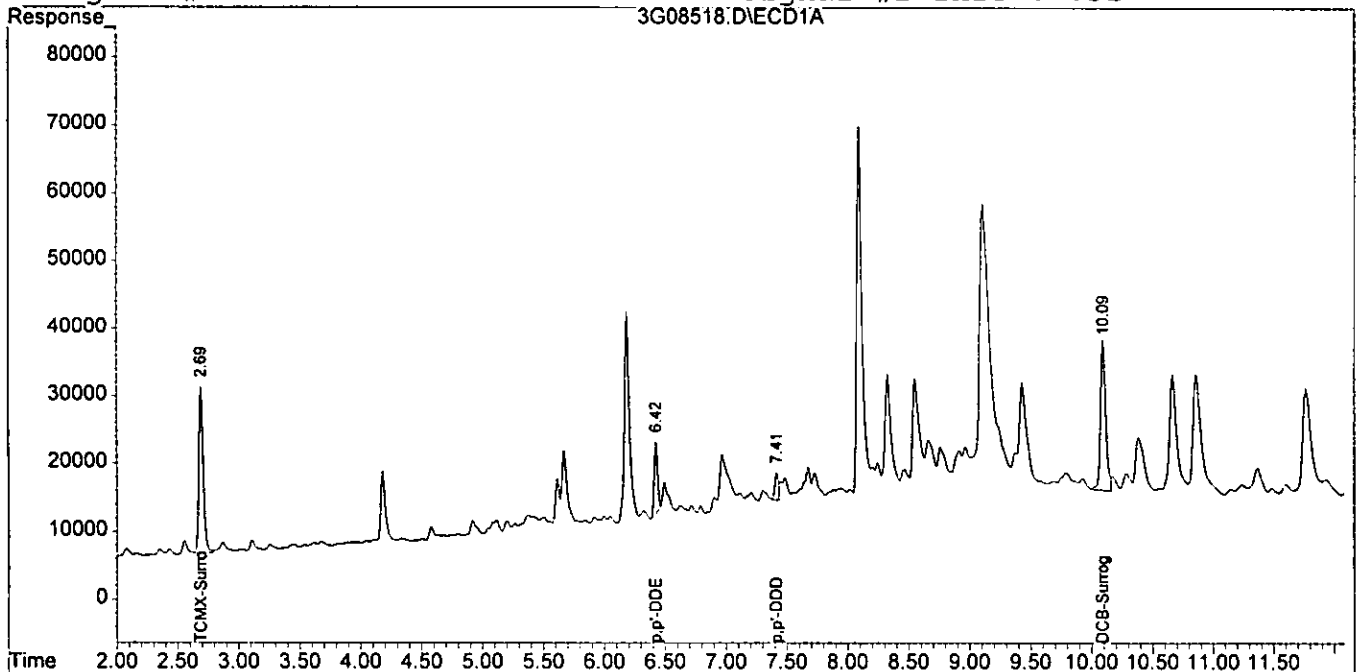
Quantitation Report

1007

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08518.D\ECD1A.CH Vol: 15  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08518.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:14 Operator: JK  
 Sample : AC18873-008 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 9:34 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: AC18873-009	Matrix: Soil
Client Id: PCSB-242(0.5')	Initial Vol: 20g
Data File: 3G08519.D	Final Vol: 10ml
Analysis Date: 08/10/05 09:30	Dilution: 1
Date Rec/Extracted: 08/02/05-08/09/05	Solids: 95

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0053	U	7421-93-4	Endrin Aldehyde	0.0053	U
319-84-6	alpha-BHC	0.0053	U	53494-70-5	Endrin Ketone	0.0053	U
319-85-7	beta-BHC	0.0053	U	58-89-9	gamma-BHC	0.0053	U
57-74-9	Chlordane	0.011	U	76-44-8	Heptachlor	0.0053	U
319-86-8	delta-BHC	0.0053	U	1024-57-3	Heptachlor Epoxide	0.0053	U
60-57-1	Dieldrin	0.0053	U	72-43-5	Methoxychlor	0.0053	U
959-98-8	Endosulfan I	0.0053	U	72-54-8	p,p'-DDD	0.0053	U
33213-65-9	Endosulfan II	0.0053	U	72-55-9	p,p'-DDE	0.0053	U
1031-07-8	Endosulfan Sulfate	0.0053	U	50-29-3	p,p'-DDT	0.0053	U
72-20-8	Endrin	0.0053	U	8001-35-2	Toxaphene	0.026	U

Worksheet #: 18123

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

10/11/05

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08519.D\ECD1A.CH V1: 16  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08519.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:30 Operator: JK  
 Sample : AC18873-009 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 10:13 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	595964	1452674	91.025	90.108
22) DCB-Surrogate	10.09	10.65	602775	2771059	72.810m	112.495m#

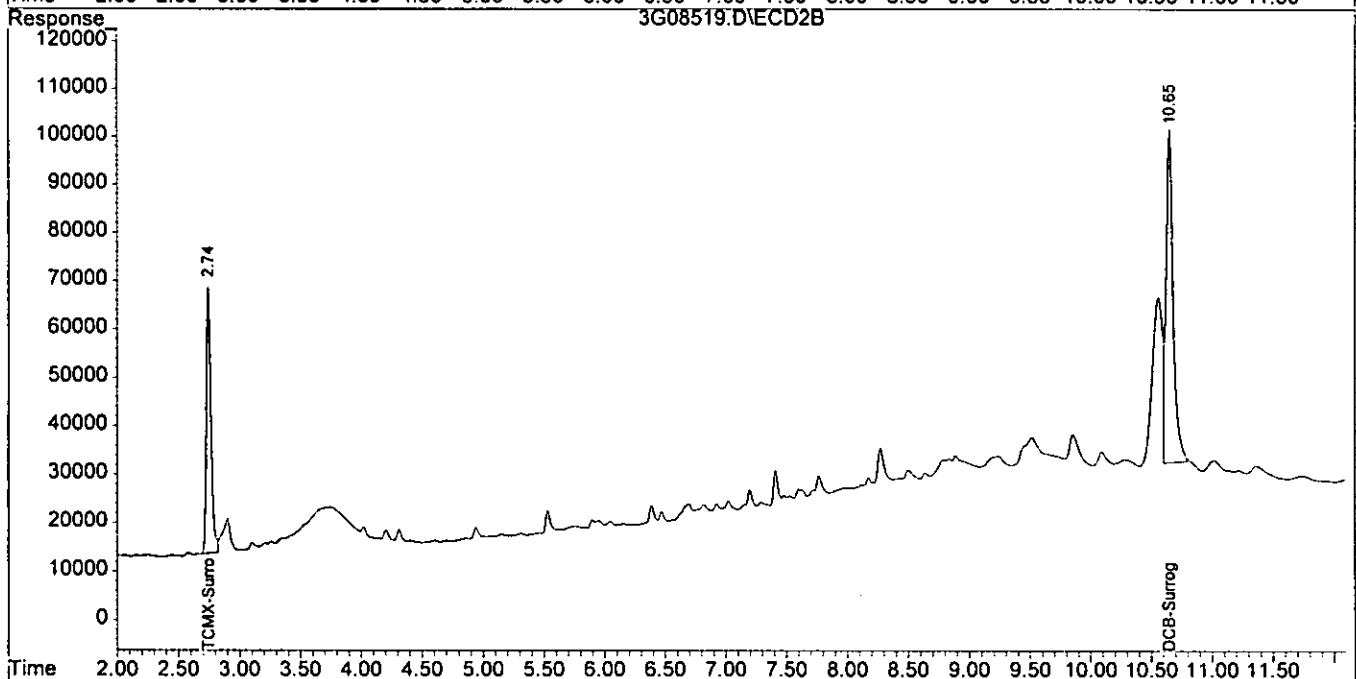
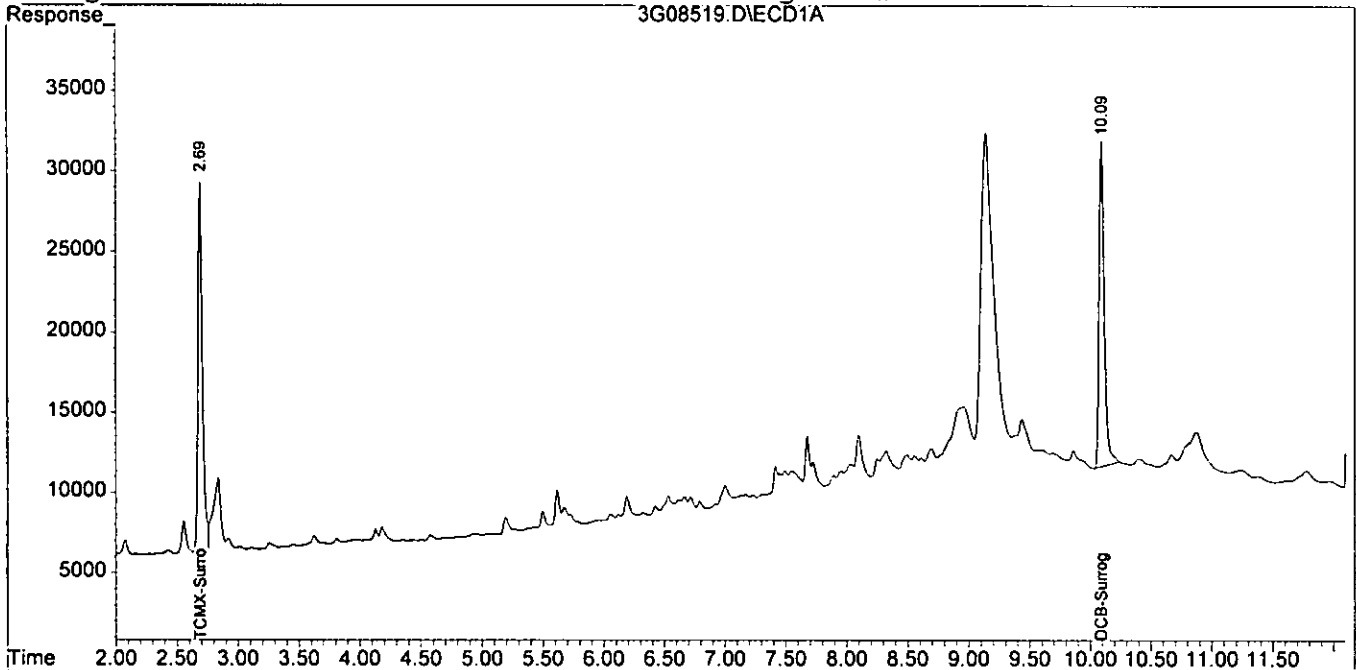
08/11/05

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08519.D\ECD1A.CH Vol: 16  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08519.D\ECD2B.CH  
Acq On : 10 Aug 2005 9:30 Operator: JK  
Sample : AC18873-009 Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 10 10:13 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 13:24:25 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: AC18873-014	Matrix: Aqueous
Client Id: FB080105	Initial Vol: 975ml
Data File: 5G03489.D	Final Vol: 5ml
Analysis Date: 08/08/05 13:28	Dilution: 1
Date Rec/Extracted: 08/02/05-08/05/05	Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.051	U	7421-93-4	Endrin Aldehyde	0.051	U
319-84-6	alpha-BHC	0.051	U	53494-70-5	Endrin Ketone	0.051	U
319-85-7	beta-BHC	0.051	U	58-89-9	gamma-BHC	0.051	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.051	U
319-86-8	delta-BHC	0.051	U	1024-57-3	Heptachlor Epoxide	0.051	U
60-57-1	Dieldrin	0.051	U	72-43-5	Methoxychlor	0.051	U
959-98-8	Endosulfan I	0.051	U	72-54-8	p,p'-DDD	0.051	U
33213-65-9	Endosulfan II	0.051	U	72-55-9	p,p'-DDE	0.051	U
1031-07-8	Endosulfan Sulfate	0.051	U	50-29-3	p,p'-DDT	0.051	U
72-20-8	Endrin	0.051	U	8001-35-2	Toxaphene	0.26	U

Worksheet #: 18123

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

1072

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03489.D\ECD1A.CH Vial: 23  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03489.D\ECD2B.CH  
 Acq On : 8-8-05 13:28:29 Operator: JK  
 Sample : AC18873-014 Inst : GC\_5  
 Misc : A,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 13:49 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	602.1E6	518.9E6	78.346	76.113
22) DCB-Surrogate	13.89	14.31	199.6E6	170.2E6	28.979	27.479

*08/11/05*



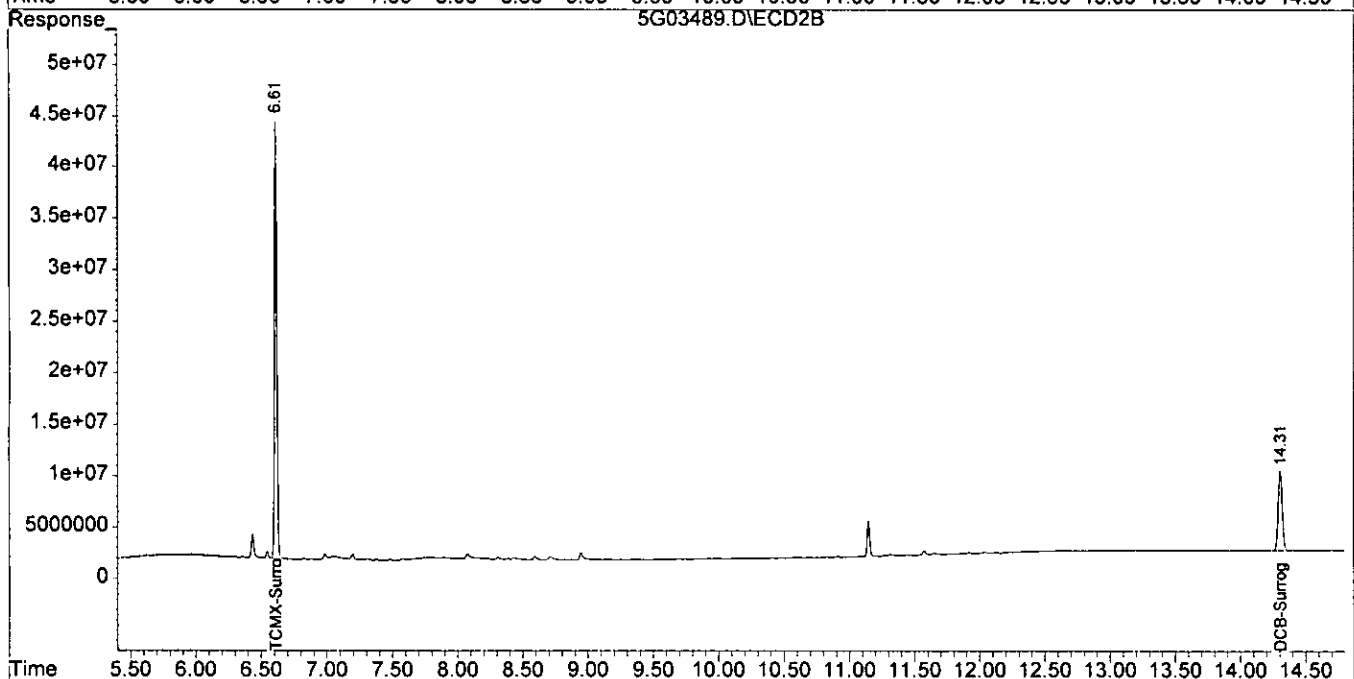
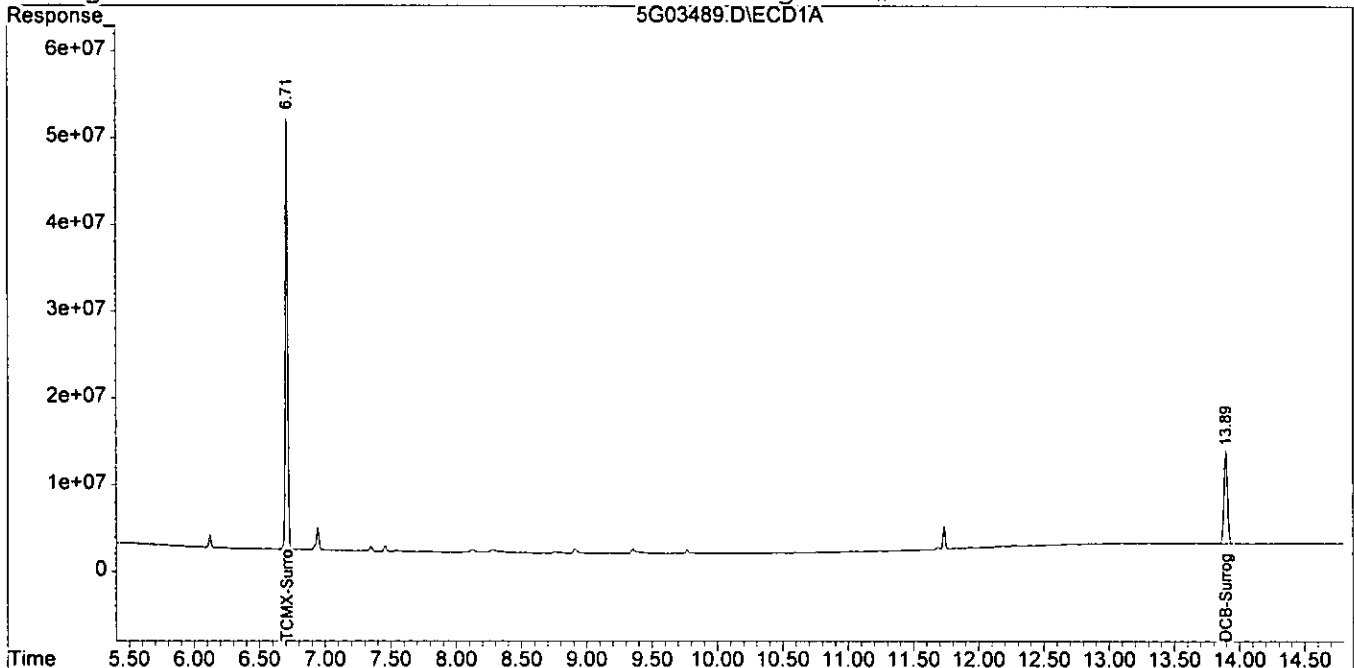
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03489.D\ECD1A.CH Vol: 23  
Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03489.D\ECD2B.CH  
Acq On : 8-8-05 13:28:29 Operator: JK  
Sample : AC18873-014 Inst : GC\_5  
Misc : A,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 8 13:49 2005 Quant Results File: 5G\_P0808.RES

18873

Quant Method : G:\GC\DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
Title : @GC\_5,ug,608,8081  
Last Update : Mon Aug 08 09:57:52 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: AC18873-015  
 Client Id: PCSB-35(0.5')  
 Data File: 3G08520.D  
 Analysis Date: 08/10/05 09:47  
 Date Rec/Extracted: 08/02/05-08/09/05

Matrix: Soil  
 Initial Vol: 20g  
 Final Vol: 10ml  
 Dilution: 1  
 Solids: 96

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0052	U	7421-93-4	Endrin Aldehyde	0.0052	U
319-84-6	alpha-BHC	0.0052	U	53494-70-5	Endrin Ketone	0.0052	U
319-85-7	beta-BHC	0.0052	U	58-89-9	gamma-BHC	0.0052	U
57-74-9	Chlordane	0.010	U	76-44-8	Heptachlor	0.0052	U
319-86-8	delta-BHC	0.0052	U	1024-57-3	Heptachlor Epoxide	0.0052	U
60-57-1	Dieldrin	0.0052	U	72-43-5	Methoxychlor	0.0052	U
959-98-8	Endosulfan I	0.0052	U	72-54-8	p,p'-DDD	0.0052	0.012
33213-65-9	Endosulfan II	0.0052	U	72-55-9	p,p'-DDE	0.0052	0.017
1031-07-8	Endosulfan Sulfate	0.0052	U	50-29-3	p,p'-DDT	0.0052	U
72-20-8	Endrin	0.0052	U	8001-35-2	Toxaphene	0.026	U

Worksheet #: 18123

**Total Target Concentration 0.029**

*U - Indicates the compound was analyzed but not detected.  
 B - Indicates the analyte was found in the blank as well as in the sample.  
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

1015

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08520.D\ECD1A.CH Vial: 17  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08520.D\ECD2B.CH  
 Acq On : 10 Aug 2005 9:47 Operator: JK  
 Sample : AC18873-015 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 10:17 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	646951	1609352	99.494	101.054
12) p,p'-DDE	6.43	6.47	217177	526752	31.759m	28.932m
15) p,p'-DDD	7.42	7.20	98166	359493	18.704m	22.502m
22) DCB-Surrogate	10.09	10.65	518856	1687238	62.673m	68.496

*08/11/05*

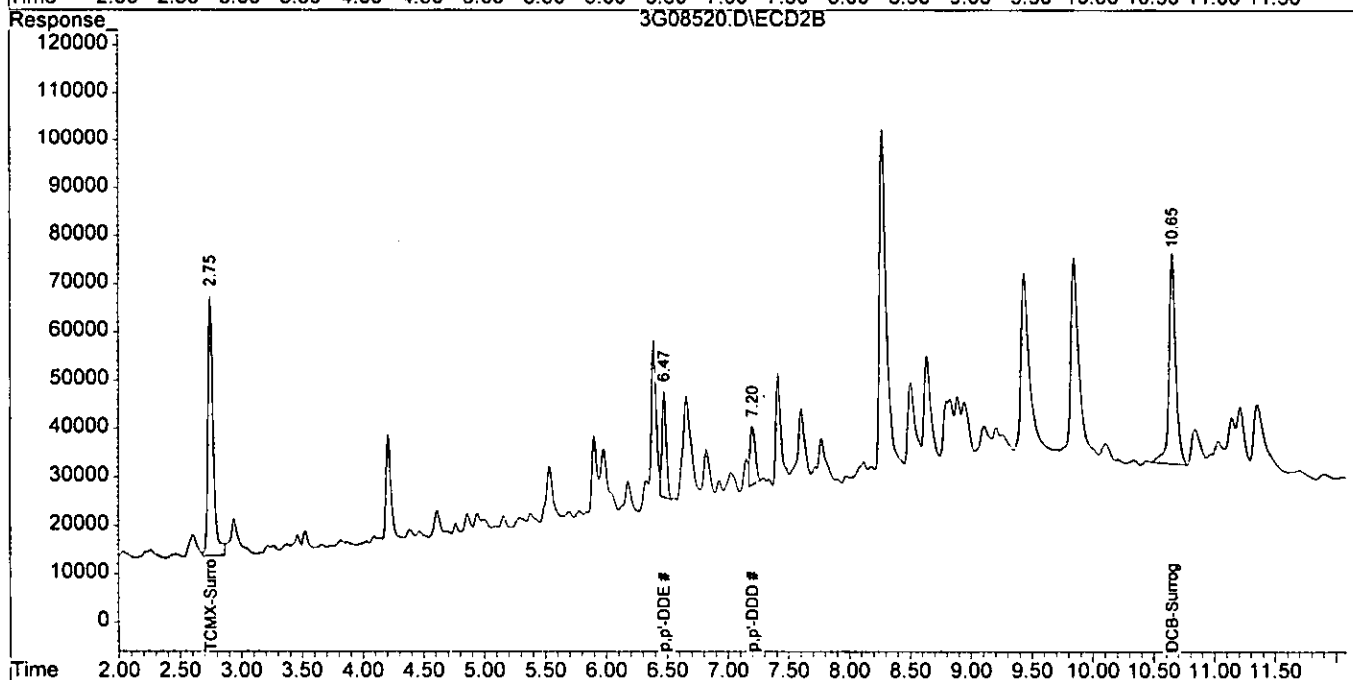
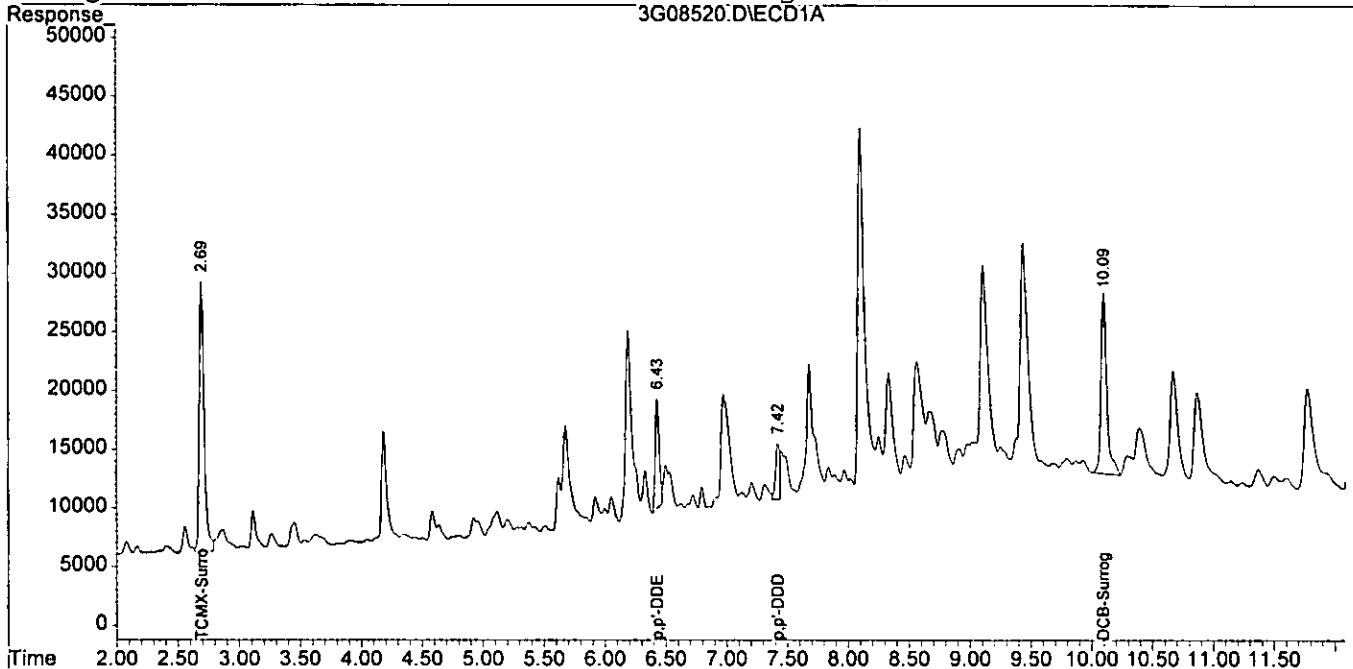
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08520.D\ECD1A.CH Val: 17  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08520.D\ECD2B.CH  
Acq On : 10 Aug 2005 9:47 Operator: JK  
Sample : AC18873-015 Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 10 10:17 2005 Quant Results File: 3G\_P0803.RES

1076

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 13:24:25 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: AC18873-018  
Client Id: PCSB-52(0.5')  
Data File: 3G08521.D  
Analysis Date: 08/10/05 10:03  
Date Rec/Extracted: 08/02/05-08/09/05

Matrix: Soil  
Initial Vol: 20g  
Final Vol: 10ml  
Dilution: 1  
Solids: 93

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0054	U	7421-93-4	Endrin Aldehyde	0.0054	U
319-84-6	alpha-BHC	0.0054	U	53494-70-5	Endrin Ketone	0.0054	U
319-85-7	beta-BHC	0.0054	U	58-89-9	gamma-BHC	0.0054	U
57-74-9	Chlordane	0.011	U	76-44-8	Heptachlor	0.0054	U
319-86-8	delta-BHC	0.0054	U	1024-57-3	Heptachlor Epoxide	0.0054	U
60-57-1	Dieldrin	0.0054	U	72-43-5	Methoxychlor	0.0054	U
959-98-8	Endosulfan I	0.0054	U	72-54-8	p,p'-DDD	0.0054	U
33213-65-9	Endosulfan II	0.0054	U	72-55-9	p,p'-DDE	0.0054	U
1031-07-8	Endosulfan Sulfate	0.0054	U	50-29-3	p,p'-DDT	0.0054	U
72-20-8	Endrin	0.0054	U	8001-35-2	Toxaphene	0.027	U

Worksheet #: 18123

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08521.D\ECD1A.CH <sup>18</sup>Vial: 18  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08521.D\ECD2B.CH <sup>00</sup>  
 Acq On : 10 Aug 2005 10:03 Operator: JK  
 Sample : AC18873-018 Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 10:19 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	612395	1479962	93.748m	92.014
22) DCB-Surrogate	10.09	10.65	477434	1842371	57.670m	74.794m#

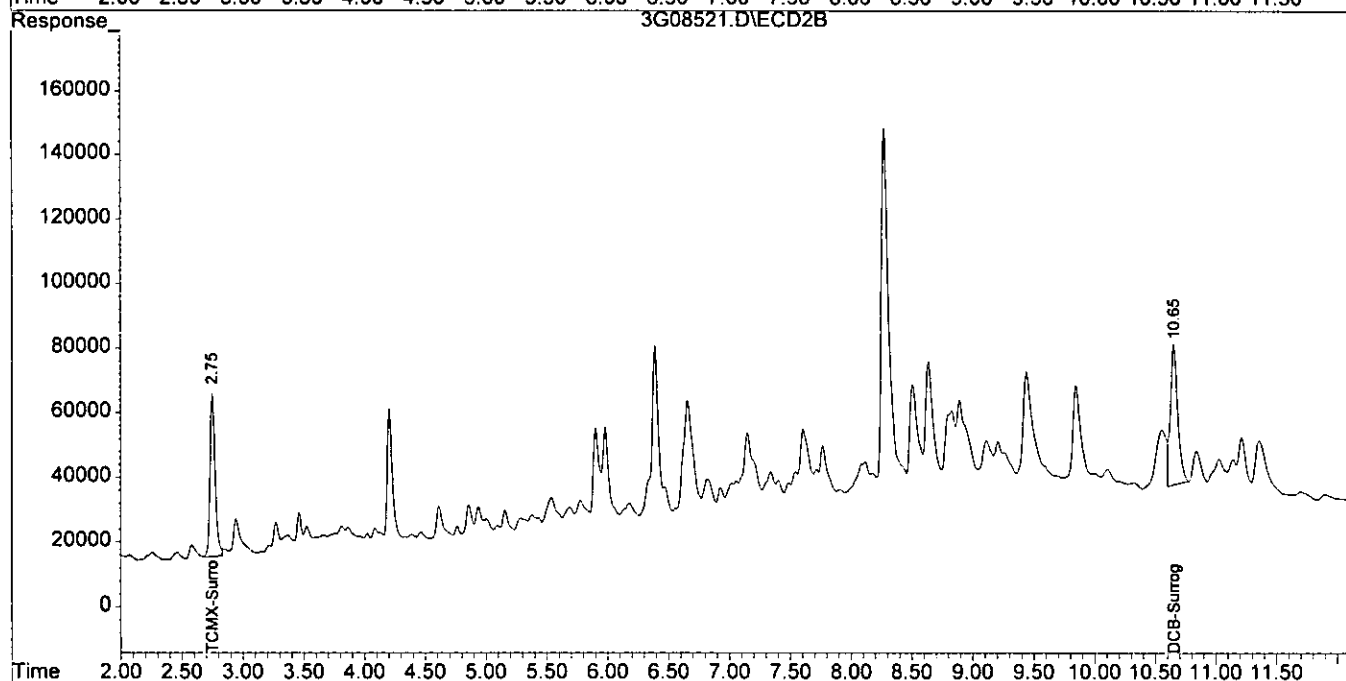
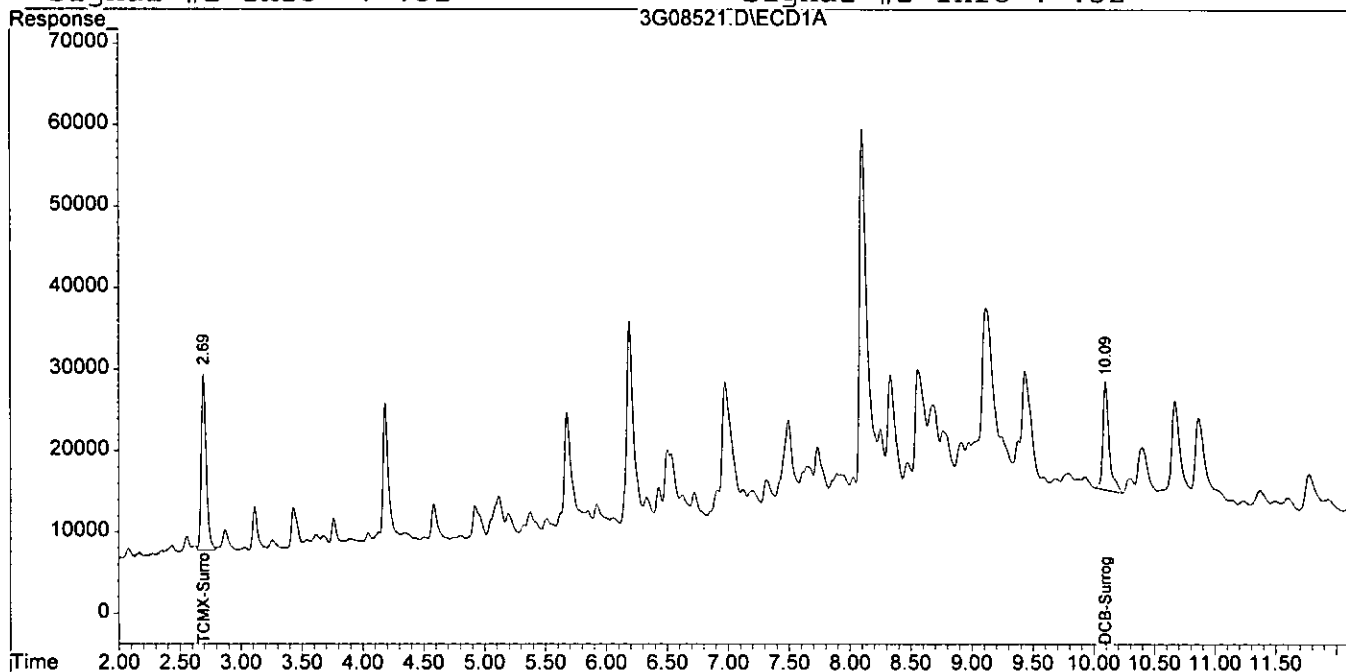
*08/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08521.D\ECD1A.CH Vol: 18  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08521.D\ECD2B.CH  
Acq On : 10 Aug 2005 10:03 Operator: JK  
Sample : AC18873-018 Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 10 10:19 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 13:24:25 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



**GC Pesticide Data  
Standards Data**



# Form 6

Initial Calibration

Instrument: GC\_3

Compound	Col	Mr	Fit	Analysis Date/Time															Calibration Level Concentrations							
				RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8		
TCMX-Surrogate	1	0	Q	0.7346	0.7043	0.8147	0.6537	0.5988	0.5596	---	---	0.678	2.67	0.996	0.998	14	2.00	10.00	50.00	100.00	200.00	400.00				
alpha-BHC	1	0	L	0.5499	0.5652	0.8296	0.7324	0.7191	0.7051	---	---	0.684	3.82	0.999	1.00	16	2.00	10.00	50.00	100.00	200.00	400.00				
gamma-BHC	1	0	L	0.5650	0.5890	0.8240	0.7091	0.6851	0.6608	---	---	0.672	4.34	0.999	0.999	14	2.00	10.00	50.00	100.00	200.00	400.00				
beta-BHC	1	0	Q	1.0737	0.5944	0.5633	0.4313	0.3888	0.3428	---	---	0.566	5.23	0.992	0.998	47	2.00	10.00	50.00	100.00	200.00	400.00				
Heptachlor	1	0	L	0.7322	0.6560	0.7156	0.5888	0.5625	0.5420	---	---	0.633	4.63	0.998	0.999	13	2.00	10.00	50.00	100.00	200.00	400.00				
delta-BHC	1	0	L	0.9832	0.8199	0.8218	0.7147	0.6904	0.6668	---	---	0.783	5.57	0.999	1.00	15	2.00	10.00	50.00	100.00	200.00	400.00				
Aldrin	1	0	L	0.5371	0.5804	0.7549	0.6577	0.6458	0.6303	---	---	0.634	5.00	0.999	1.00	12	2.00	10.00	50.00	100.00	200.00	400.00				
Heptachlor Epoxide	1	0	A	0.5962	0.5948	0.7256	0.6278	0.6095	0.5896	---	---	0.624	5.84	0.999	1.00	8.3	2.00	10.00	50.00	100.00	200.00	400.00				
γ-chlordane	1	0	A	0.7041	0.6959	0.8423	0.7418	0.7315	0.7117	---	---	0.738	6.25	0.999	1.00	7.3	2.00	10.00	50.00	100.00	200.00	400.00				
α-chlordane	1	0	A	0.6772	0.6781	0.7985	0.6795	0.6521	0.6298	---	---	0.686	6.33	0.999	0.999	8.5	2.00	10.00	50.00	100.00	200.00	400.00				
Endosulfan I	1	0	L	0.5466	0.5003	0.6089	0.5154	0.4815	0.4471	---	---	0.517	6.22	0.997	0.999	11	2.00	10.00	50.00	100.00	200.00	400.00				
p,p'-DDE	1	0	A	0.6310	0.6788	0.8114	0.6925	0.6609	0.6280	---	---	0.684	6.42	0.998	0.999	9.9	2.00	10.00	50.00	100.00	200.00	400.00				
Dieldrin	1	0	A	0.5354	0.5324	0.6850	0.6038	0.5939	0.5799	---	---	0.588	6.68	0.999	1.00	9.5	2.00	10.00	50.00	100.00	200.00	400.00				
Endrin	1	0	A	0.4981	0.5060	0.6386	0.5558	0.5407	0.5191	---	---	0.543	6.95	0.999	1.00	9.5	2.00	10.00	50.00	100.00	200.00	400.00				
p,p'-DDD	1	0	A	0.5481	0.5108	0.5979	0.5157	0.5010	0.4754	---	---	0.525	7.42	0.999	1.00	8.2	2.00	10.00	50.00	100.00	200.00	400.00				
Endosulfan II	1	0	A	0.6222	0.5751	0.6995	0.6050	0.5855	0.5610	---	---	0.608	7.54	0.999	1.00	8.2	2.00	10.00	50.00	100.00	200.00	400.00				
p,p'-DDT	1	0	L	0.1732	0.2409	0.3767	0.3444	0.3617	0.3738	---	---	0.312	7.64	0.999	1.00	27	2.00	10.00	50.00	100.00	200.00	400.00				
Endrin Alderhyde	1	0	A	0.4995	0.4511	0.5802	0.4917	0.4683	0.4522	---	---	0.491	8.06	0.999	0.999	9.8	2.00	10.00	50.00	100.00	200.00	400.00				
Endrinulfan Sulfate	1	0	A	0.5093	0.4724	0.5840	0.5105	0.5011	0.4842	---	---	0.510	8.45	0.999	1.00	7.7	2.00	10.00	50.00	100.00	200.00	400.00				
Methoxychlor	1	0	L	0.1590	0.1453	0.2196	0.1934	0.2010	0.1877	---	---	0.184	8.38	0.998	1.00	15	2.00	10.00	50.00	100.00	200.00	400.00				
Endrin Ketone	1	0	L	0.4975	0.5394	0.6913	0.6068	0.5898	0.5631	---	---	0.581	9.01	0.999	1.00	11	2.00	10.00	50.00	100.00	200.00	400.00				
DCB-Surrogate	1	0	Q	0.9512	0.8163	0.9420	0.8166	0.7547	0.6861	---	---	0.828	10.09	0.996	0.999	13	2.00	10.00	50.00	100.00	200.00	400.00				
Chlordane	1	1	A	---	---	---	---	---	---	---	---	0.0334	4.69	-1	-1	Lvl=7	100.0									
Chlordane	1	2	A	---	---	---	---	---	---	---	---	0.0629	6.32	-1	-1	Lvl=7	100.0									
Chlordane	1	3	A	---	---	---	---	---	---	---	---	0.110	6.39	-1	-1	Lvl=7	100.0									
Toxaphene	1	1	A	---	---	---	---	---	---	---	---	0.00440	7.15	-1	-1	Lvl=8	500.0									
Toxaphene	1	2	A	---	---	---	---	---	---	---	---	0.00225	7.39	-1	-1	Lvl=8	500.0									
Toxaphene	1	3	A	---	---	---	---	---	---	---	---	0.00250	7.67	-1	-1	Lvl=8	500.0									
Toxaphene	1	4	A	---	---	---	---	---	---	---	---	0.00249	8.02	-1	-1	Lvl=8	500.0									
Toxaphene	1	5	A	---	---	---	---	---	---	---	---	0.00280	8.49	-1	-1	Lvl=8	500.0									
TCMX-Surrogate	2	0	L	2.2304	2.0572	2.1141	1.6862	1.5316	1.4568	---	---	1.85	2.73	0.997	0.998	18	2.00	10.00	50.00	100.00	200.00	400.00				
alpha-BHC	2	0	L	1.7843	1.8395	2.4086	2.1094	2.0507	2.0517	---	---	2.04	3.63	0.999	0.999	11	2.00	10.00	50.00	100.00	200.00	400.00				
gamma-BHC	2	0	A	2.1396	1.8996	2.3296	1.9671	1.8776	1.8496	---	---	2.01	4.14	0.999	0.999	9.3	2.00	10.00	50.00	100.00	200.00	400.00				
beta-BHC	2	0	L	1.4187	1.3063	1.2502	1.0301	0.9429	0.8871	---	---	1.14	4.22	0.997	0.999	19	2.00	10.00	50.00	100.00	200.00	400.00				
Heptachlor	2	0	A	2.1824	1.9596	2.1897	1.8593	1.7874	1.7752	---	---	1.96	4.58	0.999	0.999	9.6	2.00	10.00	50.00	100.00	200.00	400.00				
delta-BHC	2	0	A	1.8957	1.8736	2.4039	2.0925	2.0255	2.0050	---	---	2.05	4.71	0.999	0.999	9.4	2.00	10.00	50.00	100.00	200.00	400.00				
Aldrin	2	0	A	2.2046	1.8915	2.2097	1.8783	1.8116	1.7878	---	---	1.96	5.02	0.999	0.999	9.8	2.00	10.00	50.00	100.00	200.00	400.00				

Avg Rsd Col 1: 13.4      Avg Rsd Col 2: 11.7

**Flags**  
c - failed the initial calibration criteria(if applicable)

**Note:**  
Col = Column Number  
Mr = MultiPeak Analyte 0=single peak analyte.>0=multi peak analyte (i.e. pcb/chlordane etc.)  
Fit = Indicates whether Avg Rf, Linear, or Quadratic Curve was used for compound.  
Corr 1 = Correlation Coefficient for linear Eq.  
Corr 2 = Correlation Coefficient for quad Eq.  
^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000  
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995  
Columns: Signal #1 db-1701 : Signal #2 db-608  
**1801**

# Form 6

## Initial Calibration

Instrument: GC\_3

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	3G08334	CAL PEST@2PPB	08/03/05 11:58	2	3G08329	CAL PEST@10PPB	08/03/05 10:33
3	3G08330	CAL PEST@50PPB	08/03/05 10:53	4	3G08331	CAL PEST@100PPB	08/03/05 11:09
5	3G08332	CAL PEST@200PPB	08/03/05 11:25	6	3G08333	CAL PEST@400PPB	08/03/05 11:42
7	3G08335	CAL CHLOR@100PP	08/03/05 12:15	8	3G08336	CAL TOXAPH@500P	08/03/05 12:31

Compound	Col	Mr	Fit	Calibration Level Concentrations																					
				RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	
Heptachlor Epoxide	2	0	Avg	1.8359	1.8207	2.1261	1.7988	1.7148	1.6769	---	---	---	---	---	1.83	5.75	0.999	0.999	8.7	2.00	10.00	50.00	100.00	200.00	400.00
γ-chlordane	2	0	Avg	1.9147	1.8612	2.1530	1.8121	1.7288	1.6917	---	---	---	---	---	1.86	5.96	0.999	0.999	8.9	2.00	10.00	50.00	100.00	200.00	400.00
α-chlordane	2	0	Lin	1.9306	1.7903	1.9910	1.6554	1.5512	1.4942	---	---	---	---	---	1.74	6.17	0.998	0.999	12	2.00	10.00	50.00	100.00	200.00	400.00
Endosulfan I	2	0	Avg	1.9681	1.8778	2.2505	1.9282	1.8593	1.8244	---	---	---	---	---	1.95	6.22	0.999	0.999	7.9	2.00	10.00	50.00	100.00	200.00	400.00
p,p'-DDE	2	0	Avg	1.7425	1.7924	2.1288	1.8125	1.7446	1.7027	---	---	---	---	---	1.82	6.47	0.999	0.999	8.6	2.00	10.00	50.00	100.00	200.00	400.00
Dieldrin	2	0	Avg	1.8253	1.6165	2.0295	1.7561	1.7162	1.7002	---	---	---	---	---	1.77	6.62	0.999	0.999	8.0	2.00	10.00	50.00	100.00	200.00	400.00
Endrin	2	0	Avg	1.4727	1.4569	1.7983	1.5264	1.4743	1.4440	---	---	---	---	---	1.53	7.11	0.999	0.999	8.8	2.00	10.00	50.00	100.00	200.00	400.00
p,p'-DDD	2	0	Lin	1.7295	1.3331	1.6605	1.4403	1.4128	1.3893	---	---	---	---	---	1.49	7.19	0.999	1.00	11	2.00	10.00	50.00	100.00	200.00	400.00
Endosulfan II	2	0	Avg	1.7696	1.6617	1.9666	1.6645	1.5968	1.5612	---	---	---	---	---	1.70	7.34	0.999	0.999	8.6	2.00	10.00	50.00	100.00	200.00	400.00
p,p'-DDT	2	0	Lin	0.8318	0.9523	1.3981	1.2435	1.2720	1.2935	---	---	---	---	---	1.17	7.59	1.00	1.00	19	2.00	10.00	50.00	100.00	200.00	400.00
Endrin Aldehyde	2	0	Lin	2.4500	1.5490	1.5936	1.3331	1.2643	1.2048	---	---	---	---	---	1.57	7.76	0.998	0.999	29	2.00	10.00	50.00	100.00	200.00	400.00
Endosulfan Sulfate	2	0	Avg	1.5781	1.4852	1.7345	1.4833	1.4275	1.4052	---	---	---	---	---	1.52	7.92	0.999	0.999	8.0	2.00	10.00	50.00	100.00	200.00	400.00
Methoxychlor	2	0	Avg	0.6926	0.6017	0.8062	0.6970	0.6868	0.6634	---	---	---	---	---	0.691	8.71	0.999	1.00	9.6	2.00	10.00	50.00	100.00	200.00	400.00
Endrin Ketone	2	0	Avg	1.9341	1.8162	2.1519	1.8502	1.7841	1.7165	---	---	---	---	---	1.88	8.96	0.999	0.999	8.2	2.00	10.00	50.00	100.00	200.00	400.00
DCB-Surrogate	2	0	Qua	2.8505	2.6760	2.8017	2.3250	2.1827	1.9434	---	---	---	---	---	2.46	10.65	0.994	0.999	15	2.00	10.00	50.00	100.00	200.00	400.00
Chlordane	2	1	Avg	---	---	---	---	---	---	---	---	---	---	---	0.104	4.59	-1	-1	Lvl=7	100.0					
Chlordane	2	2	Avg	---	---	---	---	---	---	---	---	---	---	---	0.378	6.00	-1	-1	Lvl=7	100.0					
Chlordane	2	3	Avg	---	---	---	---	---	---	---	---	---	---	---	0.156	6.18	-1	-1	Lvl=7	100.0					
Toxaphene	2	1	Avg	---	---	---	---	---	---	---	---	---	---	---	0.0476	7.24	-1	-1	Lvl=8	500.0					
Toxaphene	2	2	Avg	---	---	---	---	---	---	---	---	---	---	---	0.0194	7.14	-1	-1	Lvl=8	500.0					
Toxaphene	2	3	Avg	---	---	---	---	---	---	---	---	---	---	---	0.0175	7.65	-1	-1	Lvl=8	500.0					
Toxaphene	2	4	Avg	---	---	---	---	---	---	---	---	---	---	---	0.0191	8.44	-1	-1	Lvl=8	500.0					
Toxaphene	2	5	Avg	---	---	---	---	---	---	---	---	---	---	---	0.0133	8.52	-1	-1	Lvl=8	500.0					

Avg Rsd Col 1: 13.4      Avg Rsd Col 2: 11.7

### Flags

c - failed the initial calibration criteria(if applicable)

### Note:

Col = Column Number  
 Mir = MultiPeak Analyte 0=single peak analyte, >0=multi peak analyte (i.e. pcb/chlordane etc...)  
 Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.  
 Corr 1 = Correlation Coefficient for linear Eq.  
 Corr 2 = Correlation Coefficient for quad Eq.

All Response Factors = Response Factors / 10000  
 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995  
 Columns: Signal #1 db-1701 ; Signal #2 db-608      **288**

\*Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

1083

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08334.D\ECD1A.CH Vid: 10  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08334.D\ECD2B.CH  
 Acq On : 3 Aug 2005 11:58 Operator: JK  
 Sample : CAL PEST@2PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 4 6:37 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 11:34:48 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

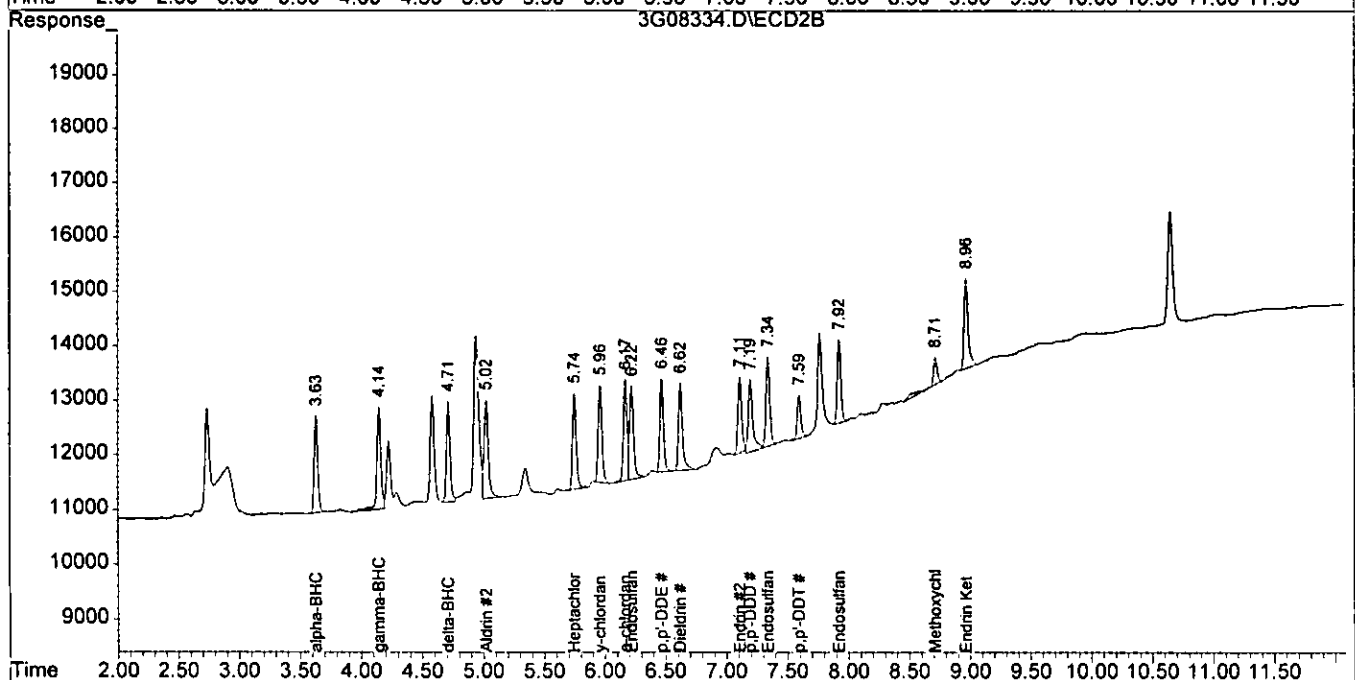
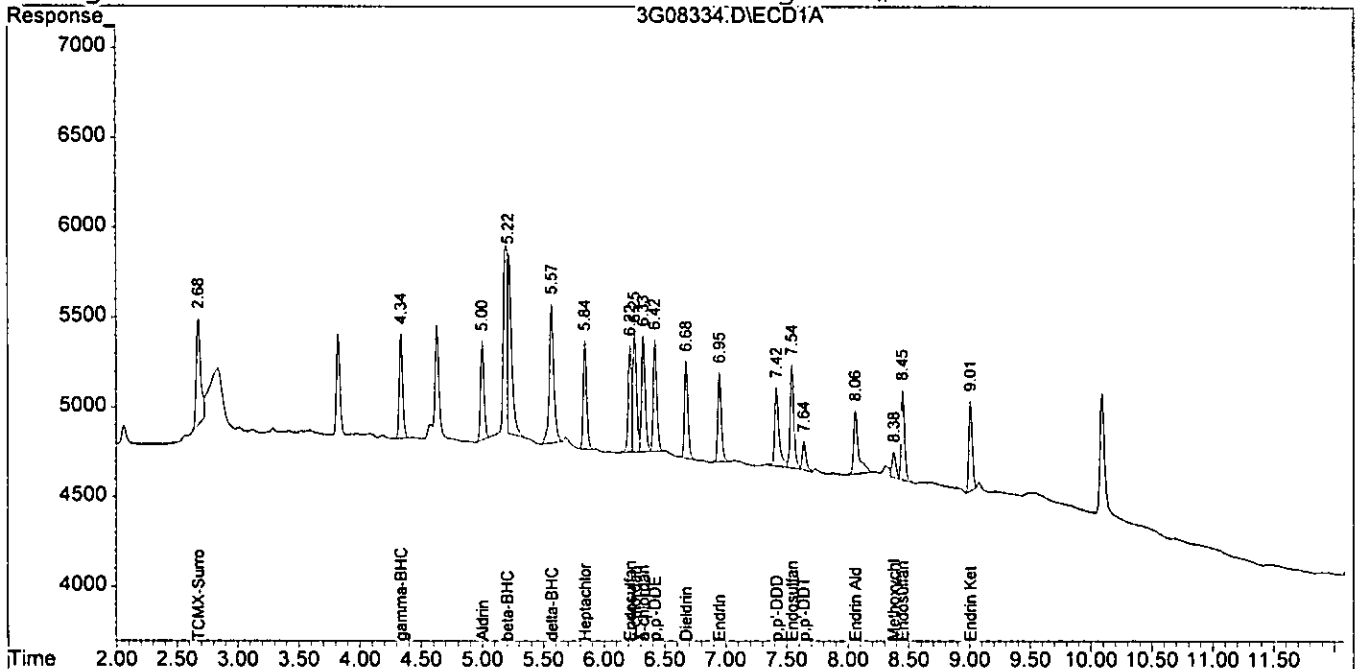
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	14694	44609	2.011m	N.D. m#
2) alpha-BHC	3.82	3.63	10998	35688	N.D.	1.749
3) gamma-BHC	4.34	4.14	11300	42792	1.681	2.187 #
4) beta-BHC	5.22	4.22	21475	28375	1820.716m	N.D. #
5) Heptachlor	4.63	4.58	14646	43648	N.D. m	N.D. m
6) delta-BHC	5.57	4.71	19665	37914	2.512	1.850 #
7) Aldrin	5.00	5.02	10744	44093	1.693	2.245 #
8) Heptachlor Epoxi	5.85	5.75	11926	36719	1.911	2.008
9) y-chlordane	6.26	5.96	14083	38294	1.908	2.059
10) a-chlordane	6.33	6.17	13544	38613	1.975	2.225
11) Endosulfan I	6.22	6.22	10932	39363	2.116	2.017
12) p,p'-DDE	6.42	6.47	12621	34851	1.846	1.914
13) Dieldrin	6.68	6.62	10709	36506	1.820	2.058
14) Endrin	6.95	7.11	9964	29455	1.835	1.946m
15) p,p'-DDD	7.42	7.19	10963	34590	2.109	2.332
16) Endosulfan II	7.54	7.34	12444	35392	2.075	2.078
17) p,p'-DDT	7.64	7.59	3465	16637	1.117m	1.427m#
18) Endrin Aldehyde	8.06	7.76	9992	49001	2.103	N.D. #
19) Endosulfan Sulfa	8.45	7.92	10187	31564	1.996	2.078
20) Methoxychlor	8.38	8.71	3180	13853	1.725	2.097
21) Endrin Ketone	9.01	8.96	9950	38684	1.715m	2.066m
22) DCB-Surrogate	10.09	10.65	19020	56937	N.D. m	N.D. m
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08334.D\ECD1A.CH Vial: 10  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08334.D\ECD2B.CH 7  
 Acq On : 3 Aug 2005 11:58 Operator: JK  
 Sample : CAL PEST@2PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 4 6:37 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 11:34:48 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



1085

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08329.D\ECD1A.CH View: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08329.D\ECD2B.CH  
 Acq On : 3 Aug 2005 10:33 Operator: JK  
 Sample : CAL PEST@10PPB Inst : GC\_3  
 Misc : .S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 10:49 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	70436	205728	11.959	9.384
2) alpha-BHC	3.83	3.63	56523	183959	8.543	11.411 #
3) gamma-BHC	4.34	4.15	58903	189962	9.895	12.313
4) beta-BHC	5.23	4.22	59449	130637	10.160m	10.436
5) Heptachlor	4.63	4.58	65605	195969	4.928	11.418 #
6) delta-BHC	5.57	4.71	81994	187363	13.707	11.895
7) Aldrin	5.00	5.02	58041	189154	10.177	12.428
8) Heptachlor Epoxi	5.85	5.75	59481	182075	10.629	12.254
9) y-chlordane	6.26	5.96	69592	186120	10.387	11.897
10) a-chlordane	6.33	6.17	67814	179033	10.793	12.589
11) Endosulfan I	6.22	6.22	50038	187786	10.653	11.839
12) p,p'-DDE	6.42	6.47	67882	179246	11.045	12.022
13) Dieldrin	6.68	6.62	53240	161658	10.787	11.463
14) Endrin	6.95	7.11	50604	145692	11.111	12.388
15) p,p'-DDD	7.42	7.19	51081	133311	12.112	11.830
16) Endosulfan II	7.54	7.34	57511	166176	10.289	11.711
17) p,p'-DDT	7.64	7.59	24092	95231	7.203	9.772 #
18) Endrin Aldehyde	8.06	7.76	45114	154909	10.581	10.141
19) Endosulfan Sulfa	8.45	7.92	47243	148525	10.641	11.718
20) Methoxychlor	8.38	8.71	14537	60174	9.559	11.768
21) Endrin Ketone	9.01	8.97	53940	181628	10.341m	11.152
22) DCB-Surrogate	10.09	10.65	81635	267604	5.578	7.978 #
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

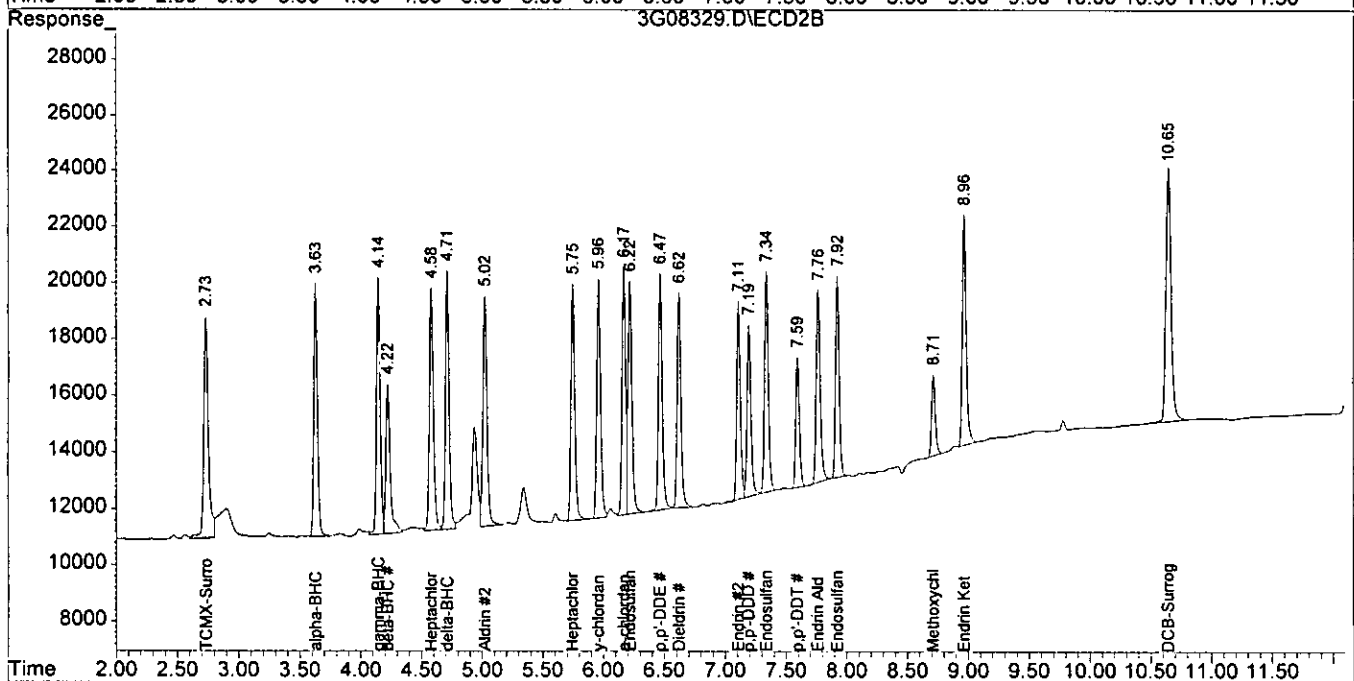
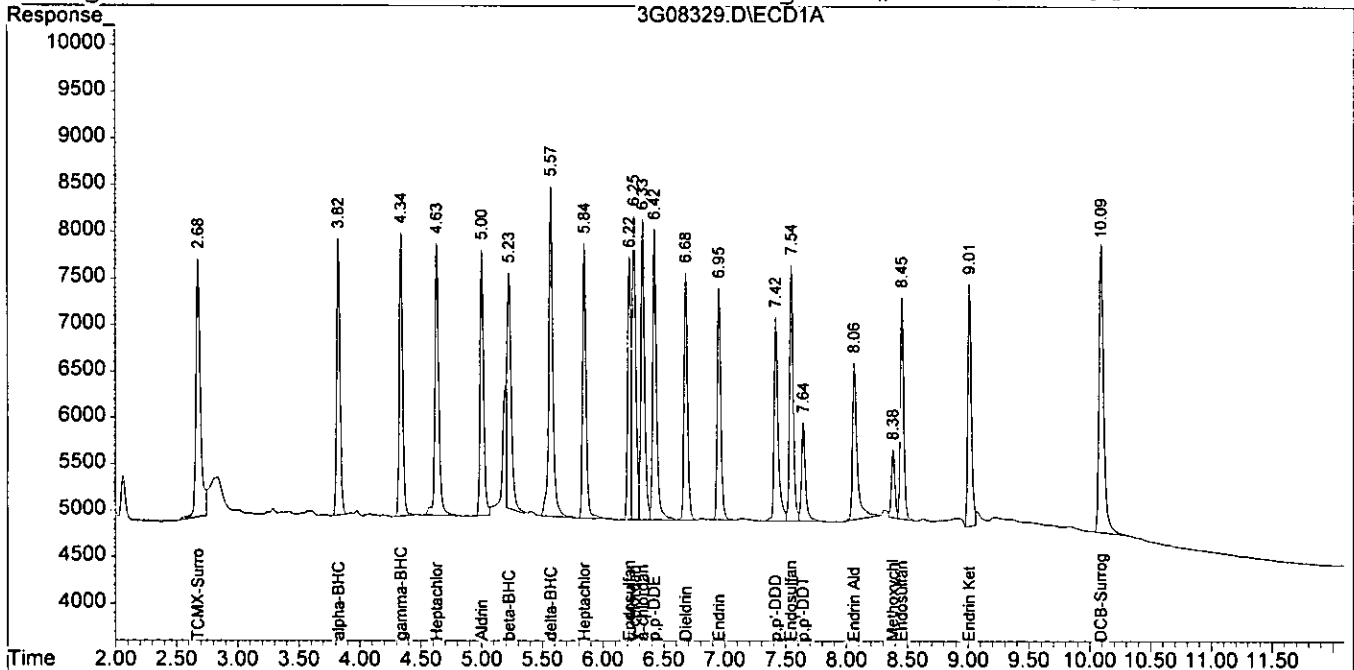
Quantitation Report

1086

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08329.D\ECD1A.CH Vi: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08329.D\ECD2B.CH  
 Acq On : 3 Aug 2005 10:33 Operator: JK  
 Sample : CAL PEST@10PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 10:49 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



1057

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08330.D\ECD1A.CH View: 4  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08330.D\ECD2B.CH  
 Acq On : 3 Aug 2005 10:53 Operator: JK  
 Sample : CAL PEST@50PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:03 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/07*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	407396	1057077	69.171	77.384
2) alpha-BHC	3.83	3.63	414836	1204326	64.725	74.705
3) gamma-BHC	4.34	4.14	412026	1164818	69.218	75.503
4) beta-BHC	5.23	4.22	281656	625131	74.659	75.970
5) Heptachlor	4.63	4.58	357846	1094875	71.334	77.917
6) delta-BHC	5.57	4.71	410902	1201987	68.690	76.308
7) Aldrin	5.01	5.02	377497	1104879	66.189	72.593
8) Heptachlor Epoxi	5.85	5.75	362822	1063066	64.837	71.549
9) y-chlordane	6.26	5.96	421150	1076542	62.861	68.815
10) a-chlordane	6.33	6.17	399261	995498	63.547	70.002
11) Endosulfan I	6.22	6.22	304481	1125293	64.821	70.942
12) p,p'-DDE	6.43	6.47	405744	1064404	66.018	71.387
13) Dieldrin	6.68	6.62	342501	1014787	69.394	71.957
14) Endrin	6.95	7.11	319341	899195	70.113	76.457
15) p,p'-DDD	7.42	7.19	298963	830297	70.890	73.678
16) Endosulfan II	7.55	7.34	349769	983314	62.577	69.298
17) p,p'-DDT	7.65	7.59	188363	699091	56.320	71.738 #
18) Endrin Aldehyde	8.07	7.76	290134	796818	68.046	73.975
19) Endosulfan Sulfa	8.46	7.92	292043	867264	65.776	68.421
20) Methoxychlor	8.38	8.71	109804	403102	72.198	78.831
21) Endrin Ketone	9.01	8.97	345659	1075965	66.269	66.066
22) DCB-Surrogate	10.09	10.65	471034	1400890	67.505	70.602
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

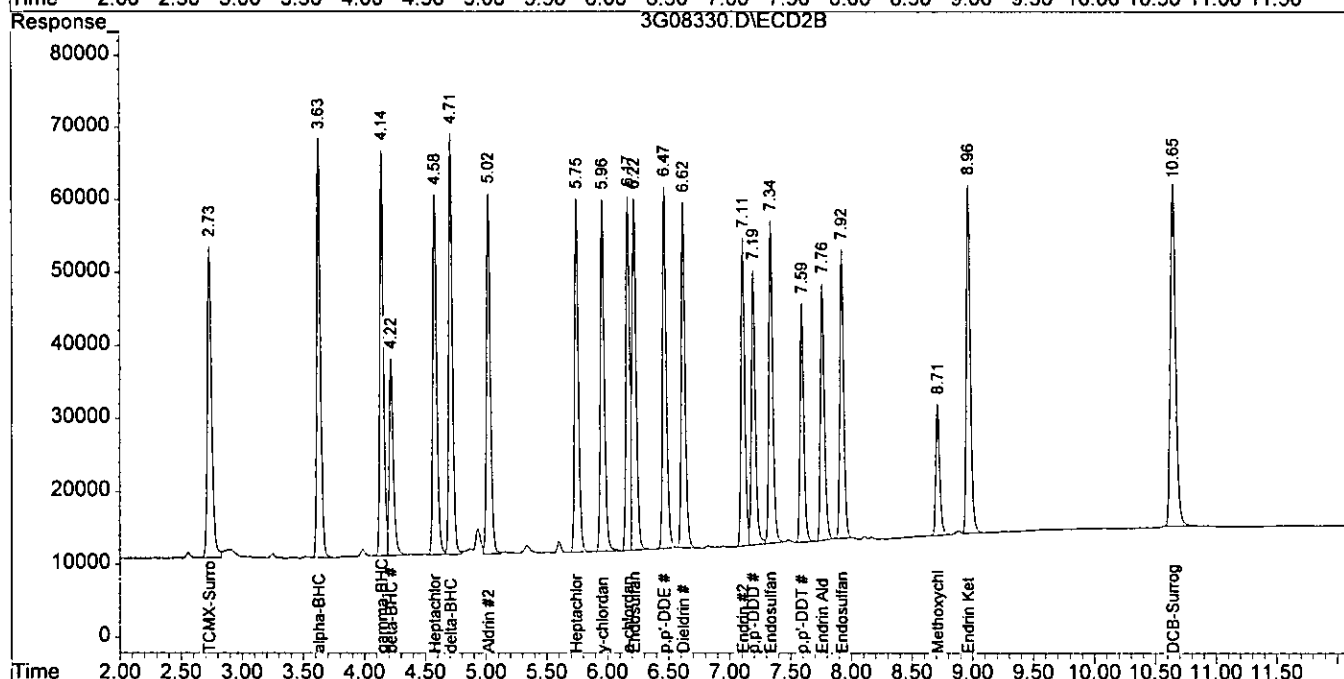
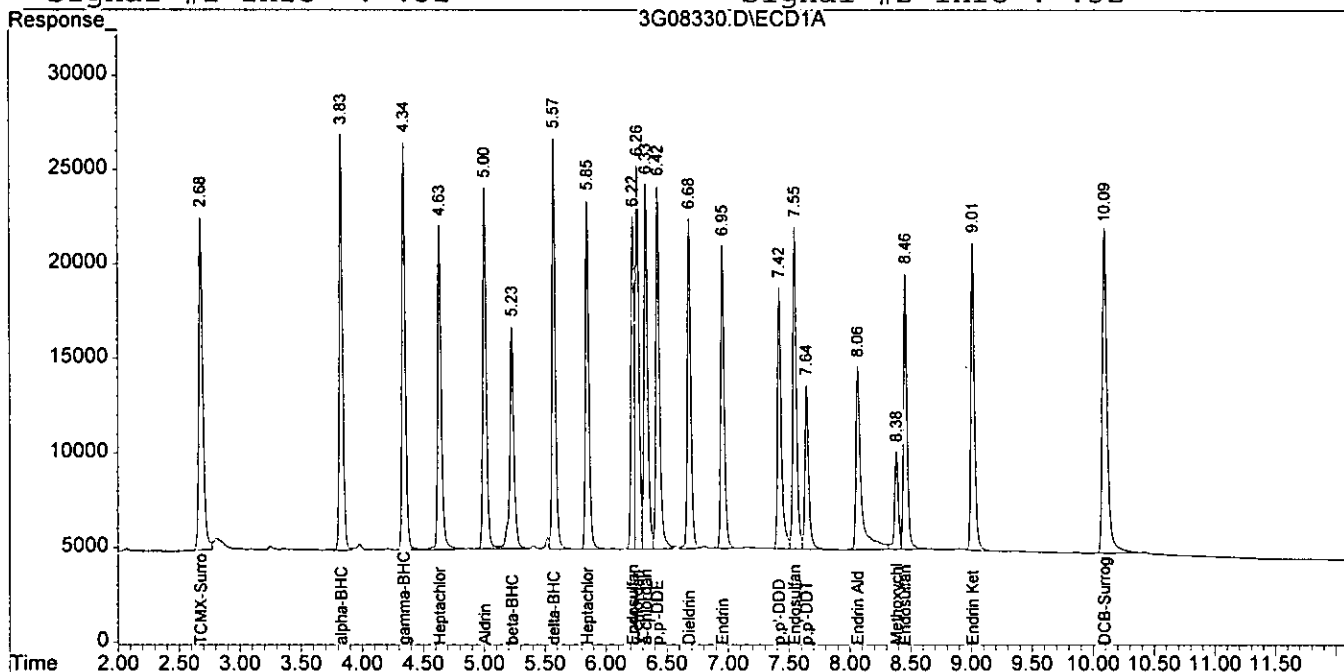
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08330.D\ECD1A.CH Via: 4  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08330.D\ECD2B.CH  
 Acq On : 3 Aug 2005 10:53 Operator: JK  
 Sample : CAL PEST@50PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:03 2005 Quant Results File: 3G\_P0803.RES

1083

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32





Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08331.D\ECD1A.CH View: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08331.D\ECD2B.CH  
 Acq On : 3 Aug 2005 11:09 Operator: JK  
 Sample : CAL PEST@100PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:23 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GCDATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

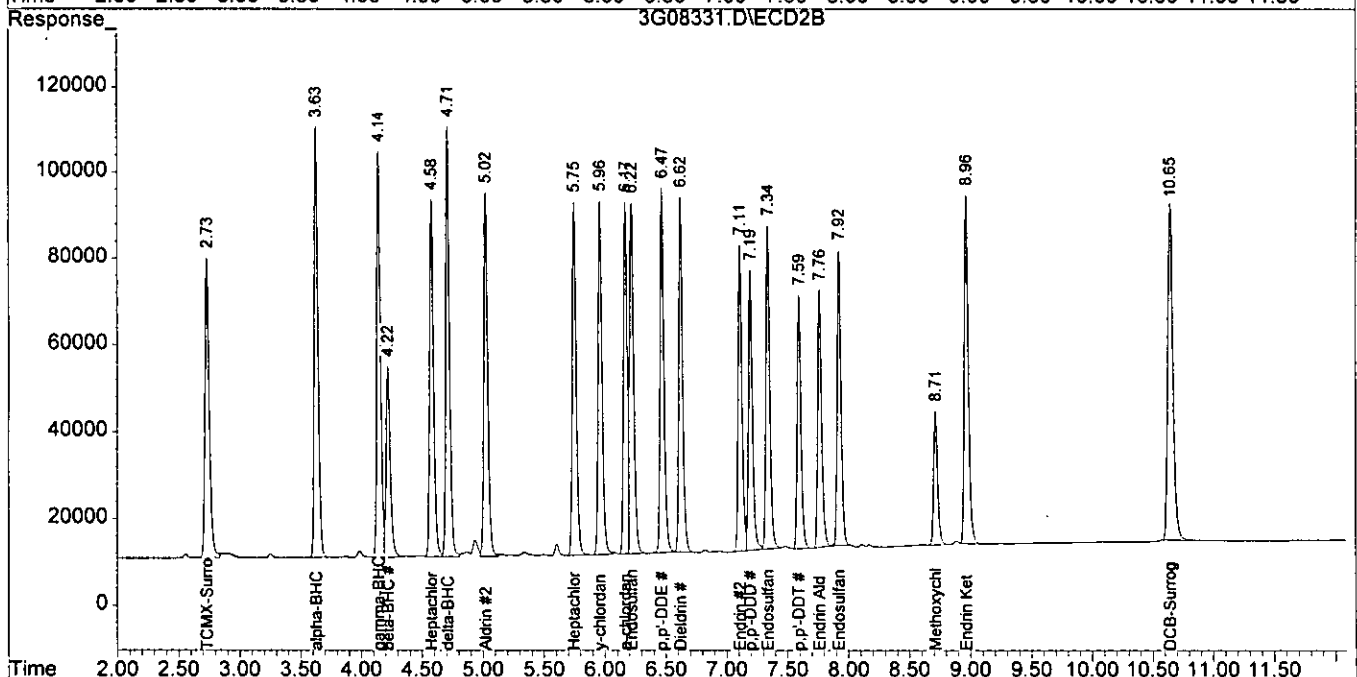
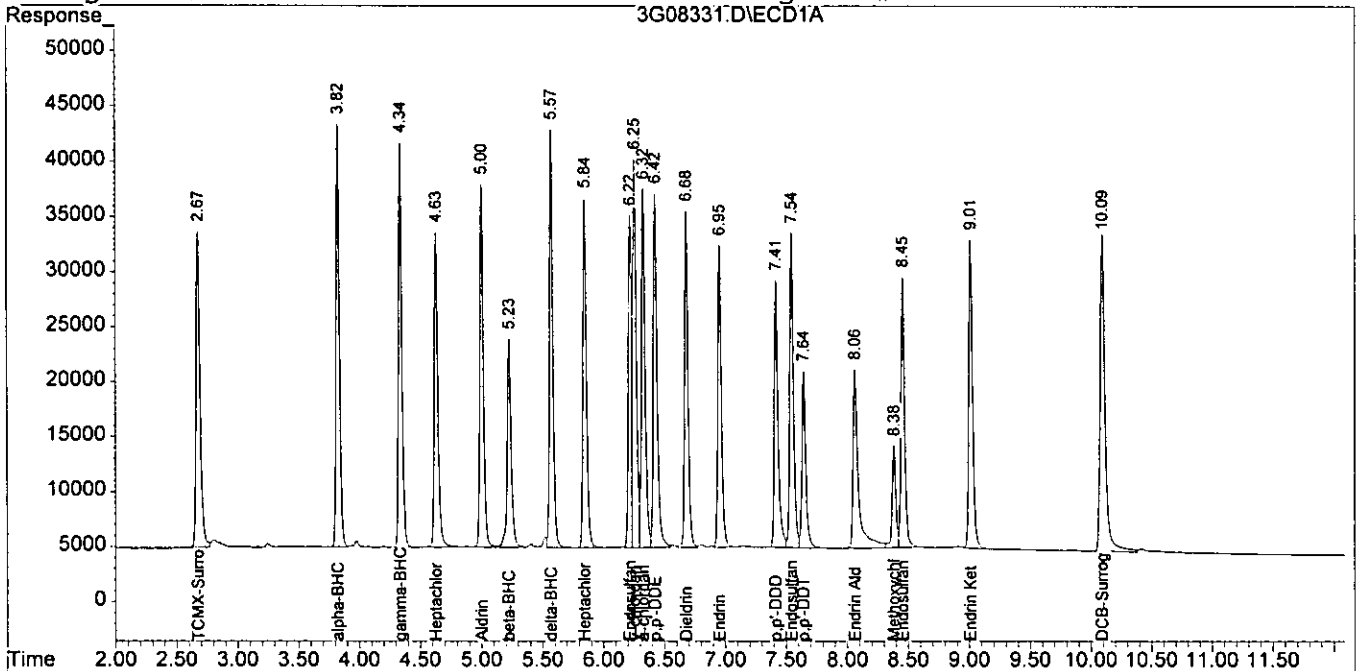
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	653706	1686195	110.991	127.634
2) alpha-BHC	3.82	3.63	732418	2109397	114.520	130.847
3) gamma-BHC	4.34	4.14	709114	1967181	119.126	127.512
4) beta-BHC	5.23	4.22	431296	1030188	120.166	129.651
5) Heptachlor	4.63	4.58	588834	1859351	123.821	134.472
6) delta-BHC	5.57	4.71	714745	2092527	119.483	132.844
7) Aldrin	5.00	5.02	657737	1878347	115.326	123.412
8) Heptachlor Epoxi	5.84	5.75	627849	1798810	112.197	121.068
9) y-chlordane	6.25	5.96	741870	1812163	110.732	115.838
10) a-chlordane	6.33	6.17	679610	1655398	108.167	116.406
11) Endosulfan I	6.22	6.22	515483	1928257	109.742	121.563
12) p,p'-DDE	6.42	6.47	692497	1812591	112.674	121.567
13) Dieldrin	6.68	6.62	603893	1756102	122.355	124.522
14) Endrin	6.95	7.11	555885	1526409	122.048	129.789
15) p,p'-DDD	7.42	7.19	515715	1440361	122.287	127.812
16) Endosulfan II	7.54	7.34	605009	1664592	108.242	117.311
17) p,p'-DDT	7.64	7.59	344433	1243579	102.985	127.612
18) Endrin Aldehyde	8.06	7.76	491792	1333156	115.341	127.311
19) Endosulfan Sulfa	8.45	7.92	510520	1483362	114.984	117.026
20) Methoxychlor	8.38	8.71	193425	697053	127.181	136.316
21) Endrin Ketone	9.01	8.96	606799	1850214	116.335	113.606
22) DCB-Surrogate	10.09	10.65	816678	2325065	122.473	121.671
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08331.D\ECD1A.CH View: 5  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08331.D\ECD2B.CH  
Acq On : 3 Aug 2005 11:09 Operator: JK  
Sample : CAL PEST@100PPB Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 3 11:23 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Mon Jul 11 09:18:47 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08332.D\ECD1A.CH Via : 6  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08332.D\ECD2B.CH  
 Acq On : 3 Aug 2005 11:25 Operator: JK  
 Sample : CAL PEST@200PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:33 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Mon Jul 11 09:18:47 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	1197694	3063353	203.354	237.632
2) alpha-BHC	3.82	3.63	1438207	4101400	225.184	254.412
3) gamma-BHC	4.34	4.14	1370385	3755327	230.216	243.419
4) beta-BHC	5.23	4.22	777732	1885827	233.303	243.046
5) Heptachlor	4.63	4.58	1125036	3574979	245.661	261.391
6) delta-BHC	5.57	4.71	1380890	4051081	230.841	257.182
7) Aldrin	5.00	5.02	1291651	3623237	226.475	238.056
8) Heptachlor Epoxi	5.84	5.75	1218998	3429633	217.836	230.829
9) y-chlordane	6.25	5.96	1463169	3457682	218.393	221.024
10) a-chlordane	6.32	6.17	1304338	3102475	207.599	218.163
11) Endosulfan I	6.22	6.22	963129	3718719	205.041	234.440
12) p,p'-DDE	6.42	6.47	1321981	3489264	215.096	234.018
13) Dieldrin	6.68	6.62	1187872	3432533	240.675	243.395
14) Endrin	6.95	7.11	1081475	2948648	237.445	250.720
15) p,p'-DDD	7.41	7.19	1002067	2825724	237.612	250.744
16) Endosulfan II	7.54	7.34	1171123	3193684	209.526	225.073
17) p,p'-DDT	7.64	7.59	723447	2544007	216.309	261.057
18) Endrin Aldehyde	8.06	7.76	936645	2528591	219.673	246.191
19) Endosulfan Sulfa	8.45	7.92	1002354	2855142	225.759	225.250
20) Methoxychlor	8.38	8.71	402068	1373660	264.368	268.634
21) Endrin Ketone	9.01	8.96	1179703	3568264	226.172	219.096
22) DCB-Surrogate	10.09	10.64	1509465	4365406	232.647	234.418
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

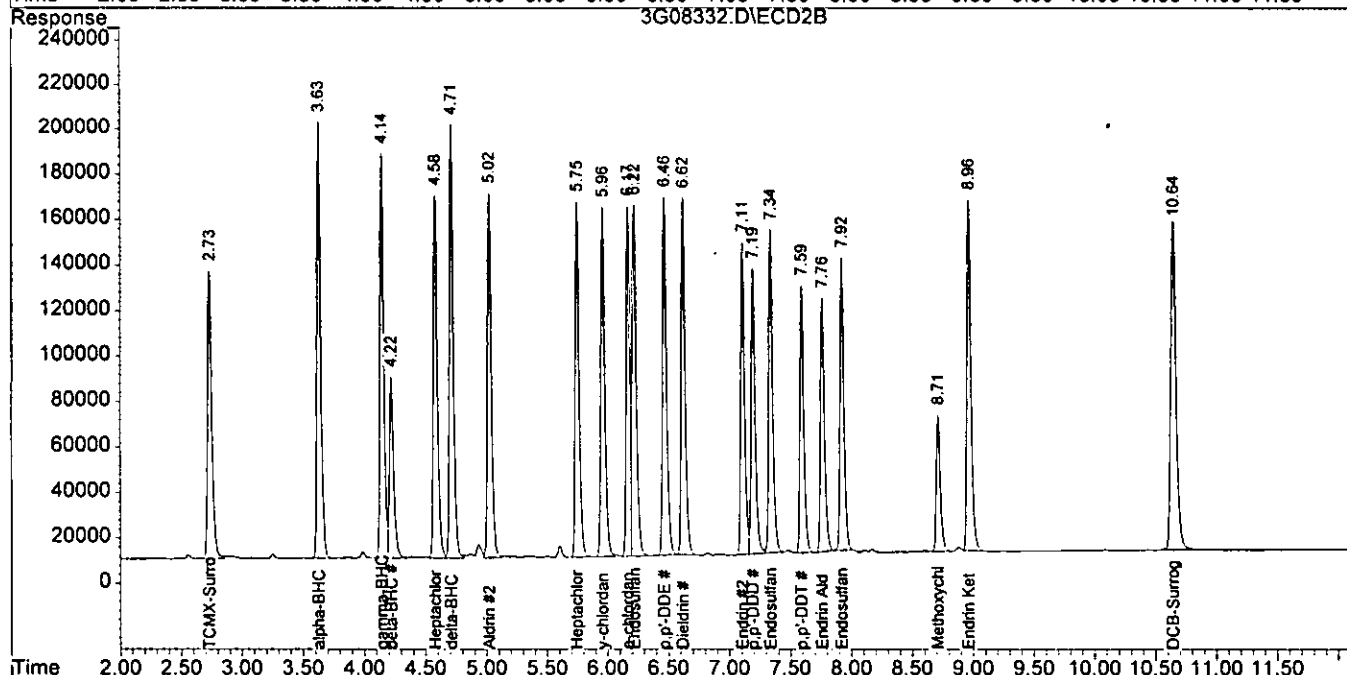
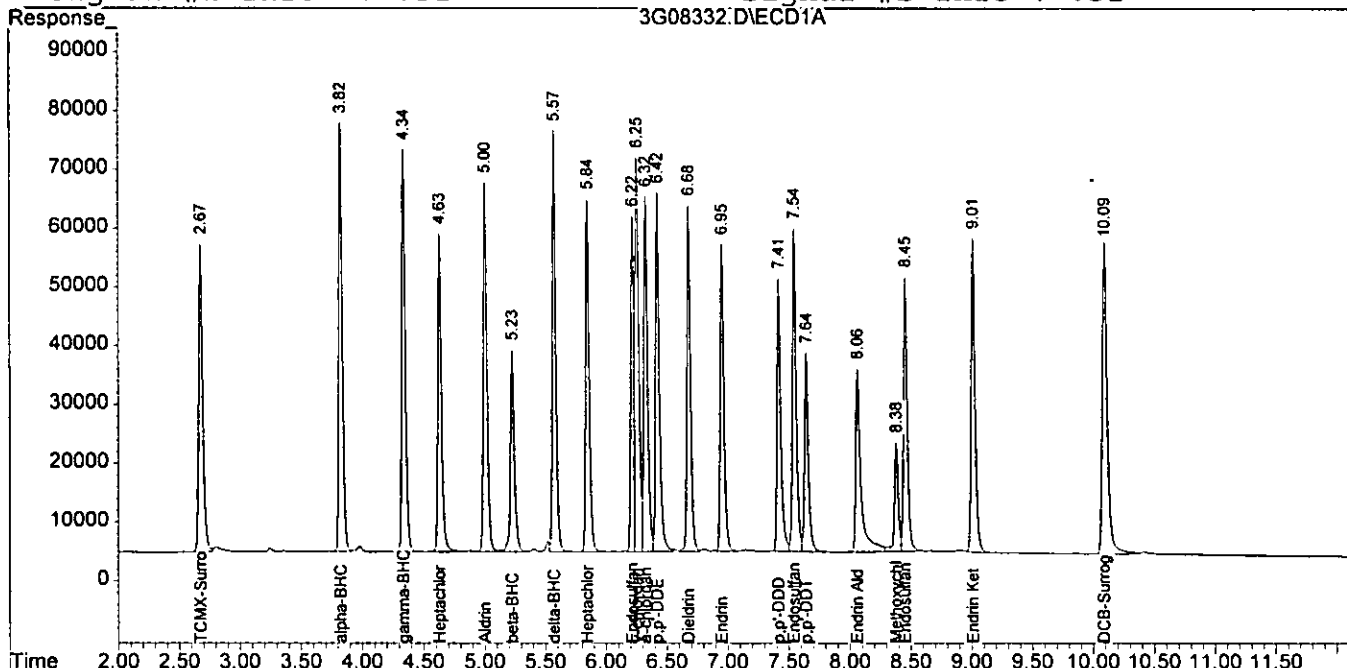
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08332.D\ECD1A.CH View: 6  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08332.D\ECD2B.CH  
Acq On : 3 Aug 2005 11:25 Operator: JK  
Sample : CAL PEST@200PPB Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 3 11:33 2005 Quant Results File: 3G\_P0803.RES

1092  
2692

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Mon Jul 11 09:18:47 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08333.D\ECD1A.CH Vid: 7  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08333.D\ECD2B.CH  
 Acq On : 3 Aug 2005 11:42 Operator: JK  
 Sample : CAL PEST@400PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:51 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 11:34:48 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

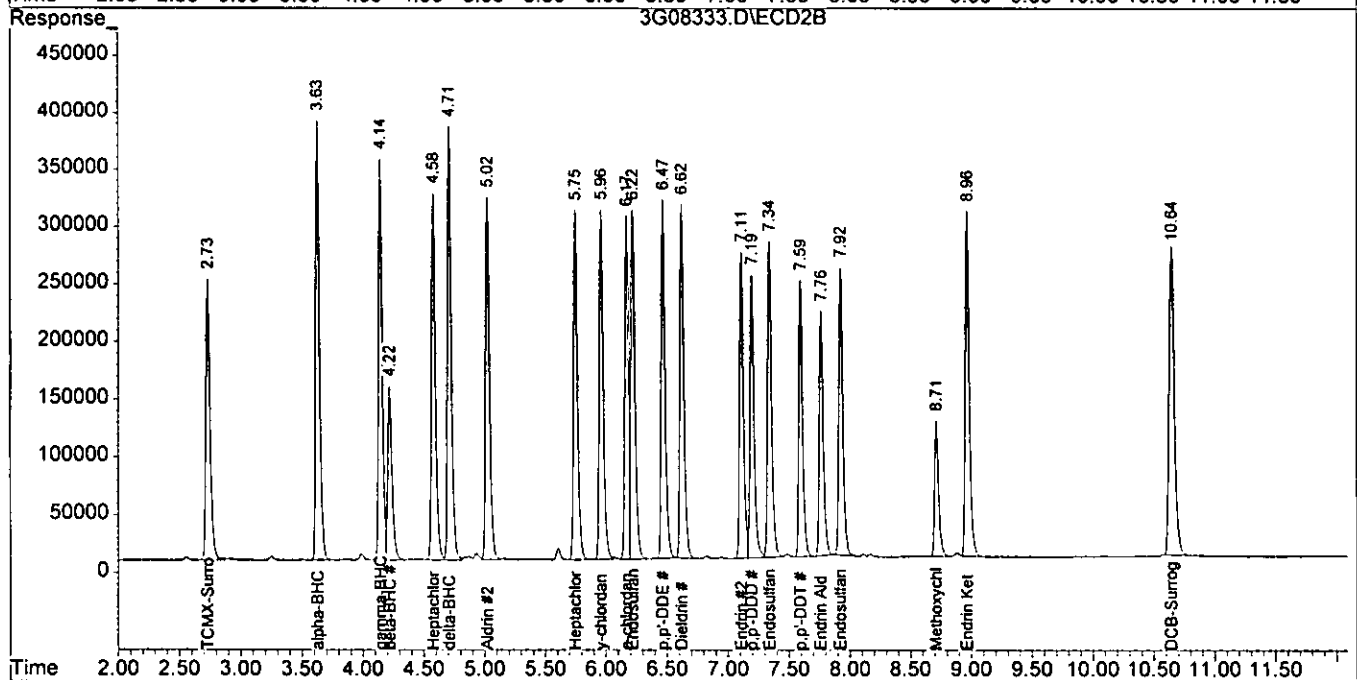
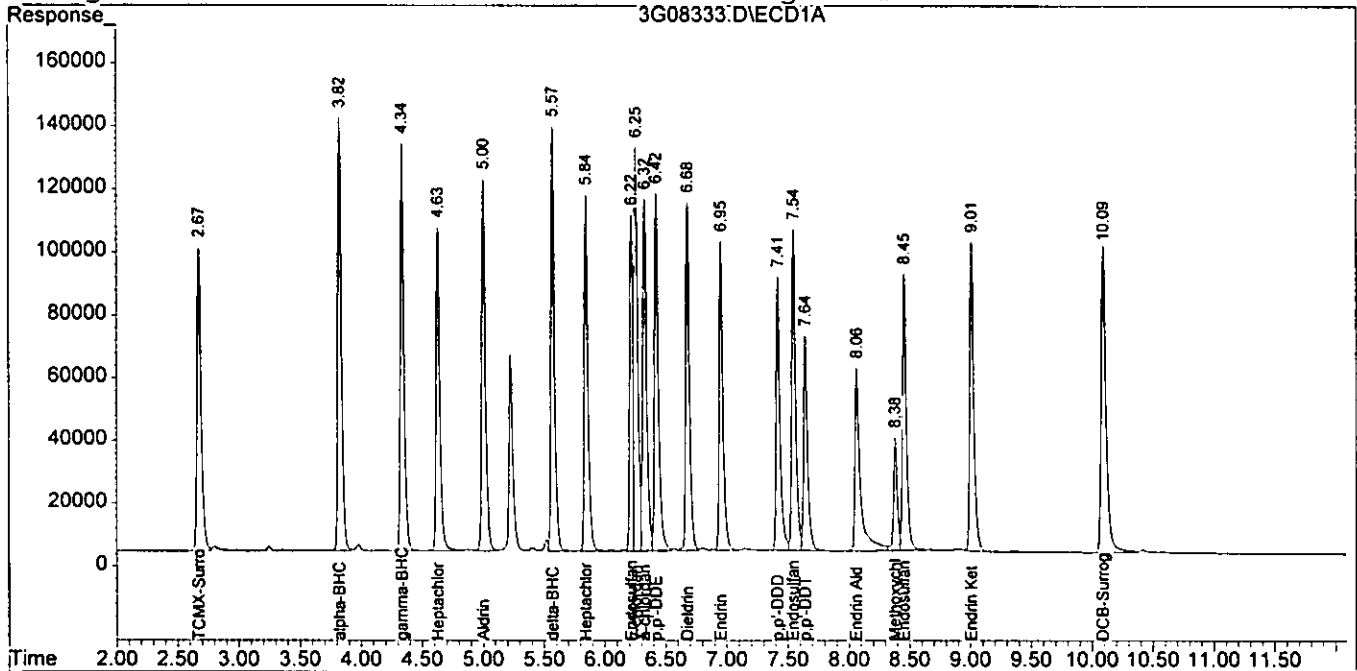
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
<b>Target Compounds</b>						
1) TCMX-Surrogate	2.67	2.73	2238768	5827420	306.996	379.150
2) alpha-BHC	3.82	3.63	2820633	8207103	390.252	403.879
3) gamma-BHC	4.34	4.14	2643240	7398614	396.506	377.072
4) beta-BHC	5.23	4.22	1371510	3548453	NoQuad	375.111
5) Heptachlor	4.63	4.58	2168163	7100804	385.010	396.873
6) delta-BHC	5.57	4.71	2667349	8020206	275.293	393.530 #
7) Aldrin	5.00	5.02	2521516	7151522	386.542	357.855
8) Heptachlor Epoxi	5.84	5.75	2358739	6707975	377.984	365.900
9) y-chlordane	6.25	5.96	2847112	6767132	386.359	362.286
10) a-chlordane	6.32	6.17	2519287	5977073	364.192	339.856
11) Endosulfan I	6.22	6.22	1788690	7297912	337.643	374.266
12) p,p'-DDE	6.42	6.47	2512162	6810873	365.685	375.212
13) Dieldrin	6.68	6.62	2319750	6801094	394.507	384.477
14) Endrin	6.95	7.11	2076624	5776275	379.468	373.198
15) p,p'-DDD	7.42	7.19	1901741	5557564	363.281	386.969
16) Endosulfan II	7.54	7.34	2244103	6244860	373.835	365.794
17) p,p'-DDT	7.64	7.59	1495197	5174199	504.684	461.102
18) Endrin Aldehyde	8.06	7.76	1808878	4819511	369.213	381.141
19) Endosulfan Sulfa	8.45	7.92	1936851	5620876	383.459	370.442
20) Methoxychlor	8.38	8.71	750878	2653619	416.981	402.481
21) Endrin Ketone	9.01	8.96	2252729	6866166	384.598	366.626
22) DCB-Surrogate	10.09	10.65	2744570	7773699	360.575	354.778
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08333.D\ECD1A.CH View: 7  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08333.D\ECD2B.CH  
 Acq On : 3 Aug 2005 11:42 Operator: JK  
 Sample : CAL PEST@400PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 11:51 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 11:34:48 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



1005  
5005

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08335.D\ECD1A.CH View : 8  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08335.D\ECD2B.CH  
 Acq On : 3 Aug 2005 12:15 Operator: JK  
 Sample : CAL CHLOR@100PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 3 12:35 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 11:34:48 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*CP/11/02*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

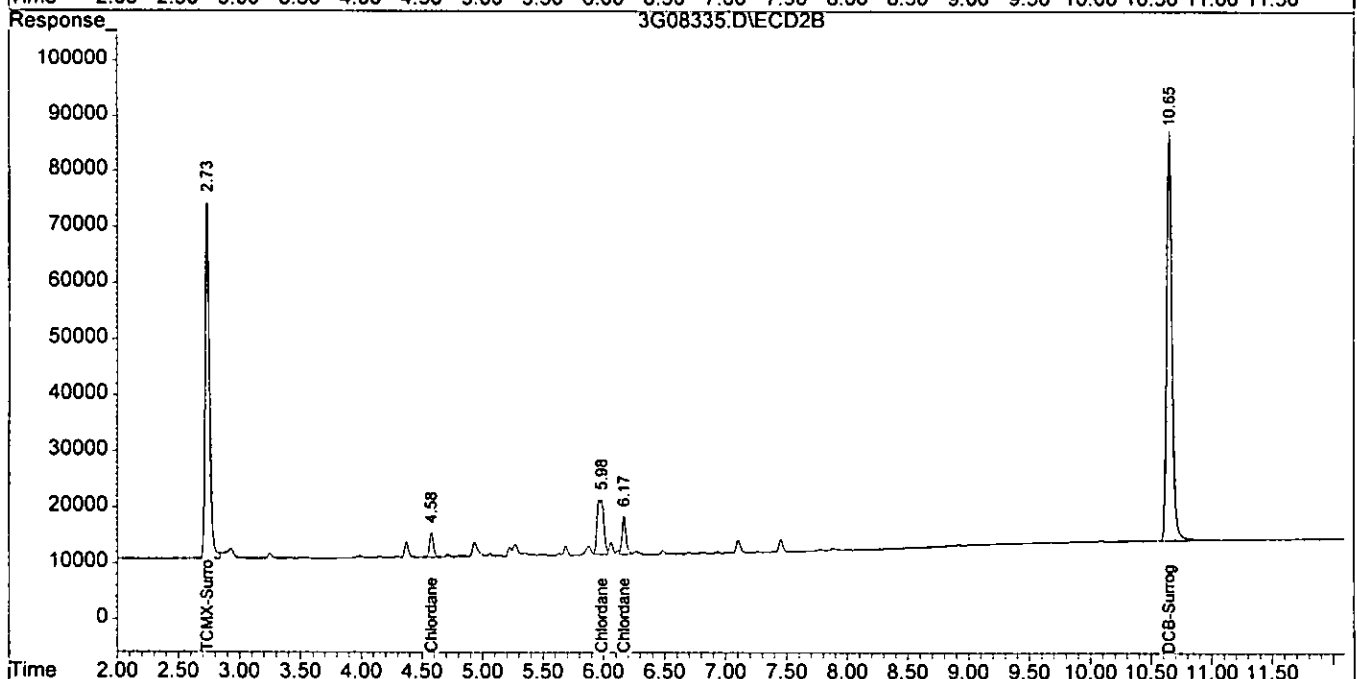
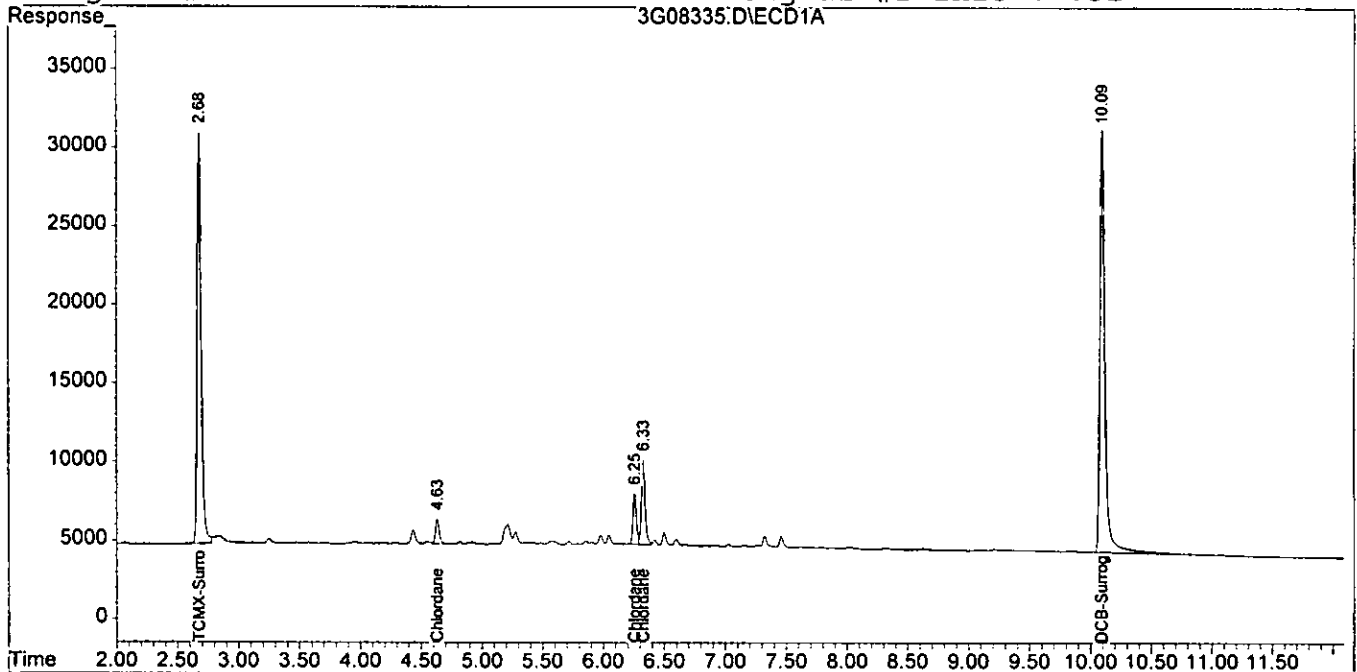
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	594352	1536738	83.587	96.397
2) alpha-BHC	0.00	0.00	0	0	N.D. d	N.D. d
3) gamma-BHC	0.00	0.00	0	0	N.D. d	N.D. d
4) beta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
5) Heptachlor	0.00	0.00	0	0	N.D. d	N.D. d
6) delta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
7) Aldrin	0.00	0.00	0	0	N.D. d	N.D. d
8) Heptachlor Epoxi	0.00	0.00	0	0	N.D. d	N.D. d
9) y-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
10) a-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
11) Endosulfan I	0.00	0.00	0	0	N.D. d	N.D. d
12) p,p'-DDE	0.00	0.00	0	0	N.D. d	N.D. d
13) Dieldrin	0.00	0.00	0	0	N.D. d	N.D. d
14) Endrin	0.00	0.00	0	0	N.D. d	N.D. d
15) p,p'-DDD	0.00	0.00	0	0	N.D. d	N.D. d
16) Endosulfan II	0.00	0.00	0	0	N.D. d	N.D. d
17) p,p'-DDT	0.00	0.00	0	0	N.D. d	N.D. d
18) Endrin Aldehyde	0.00	0.00	0	0	N.D. d	N.D. d
19) Endosulfan Sulfa	0.00	0.00	0	0	N.D. d	N.D. d
20) Methoxychlor	0.00	0.00	0	0	N.D. d	N.D. d
21) Endrin Ketone	0.00	0.00	0	0	N.D. d	N.D. d
22) DCB-Surrogate	10.09	10.65	776983	2209547	102.572	101.394
23) Chlordane {1}	4.63	4.58	33455	103613	99.663	101.421
24) Chlordane {2}	6.25	5.98	62898	378283	100.339m	100.431m
25) Chlordane {3}	6.33	6.17	110300	155870	99.387m	100.000
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08335.D\ECD1A.CH View: 8  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08335.D\ECD2B.CH  
Acq On : 3 Aug 2005 12:15 Operator: JK  
Sample : CAL CHLOR@100PPB Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 3 12:35 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 11:34:48 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32





Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08336.D\ECD1A.CH Vi: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08336.D\ECD2B.CH  
 Acq On : 3 Aug 2005 12:31 Operator: JK  
 Sample : CAL TOXAPH@500PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 4 6:36 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 12:53:04 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

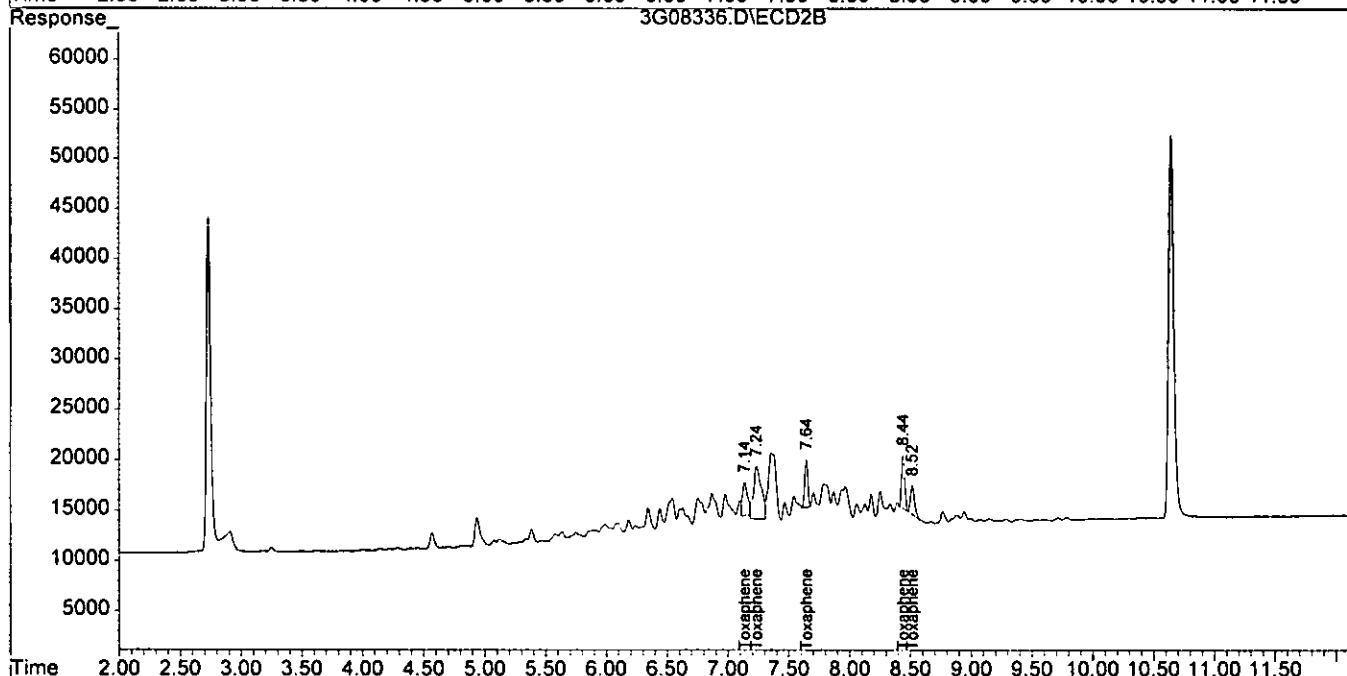
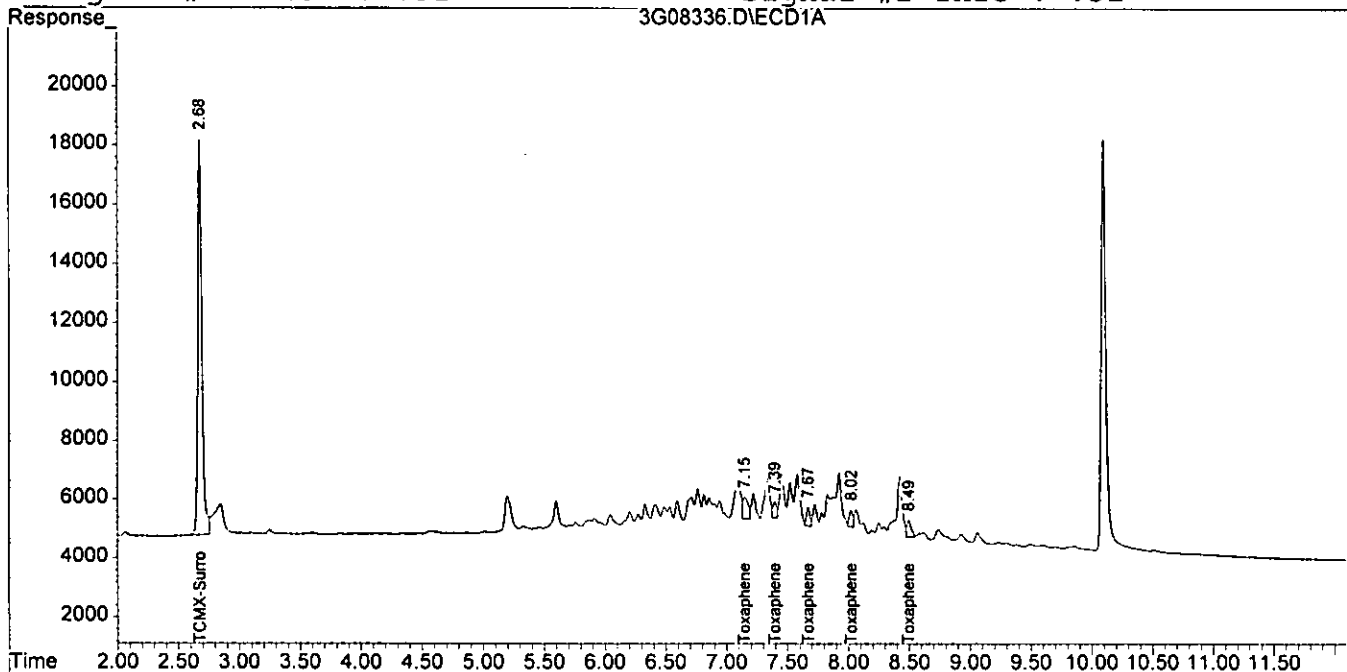
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.73	311162	828380	49.394	N.D. #
2) alpha-BHC	0.00	0.00	0	0	N.D. d	N.D. d
3) gamma-BHC	0.00	0.00	0	0	N.D. d	N.D. d
4) beta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
5) Heptachlor	0.00	0.00	0	0	N.D. d	N.D. d
6) delta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
7) Aldrin	0.00	0.00	0	0	N.D. d	N.D. d
8) Heptachlor Epoxi	0.00	0.00	0	0	N.D. d	N.D. d
9) y-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
10) a-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
11) Endosulfan I	0.00	0.00	0	0	N.D. d	N.D. d
12) p,p'-DDE	0.00	0.00	0	0	N.D. d	N.D. d
13) Dieldrin	0.00	0.00	0	0	N.D. d	N.D. d
14) Endrin	0.00	0.00	0	0	N.D. d	N.D. d
15) p,p'-DDD	0.00	0.00	0	0	N.D. d	N.D. d
16) Endosulfan II	0.00	0.00	0	0	N.D. d	N.D. d
17) p,p'-DDT	0.00	0.00	0	0	N.D. d	N.D. d
18) Endrin Aldehyde	0.00	0.00	0	0	N.D. d	N.D. d
19) Endosulfan Sulfa	0.00	0.00	0	0	N.D. d	N.D. d
20) Methoxychlor	0.00	0.00	0	0	N.D. d	N.D. d
21) Endrin Ketone	0.00	0.00	0	0	N.D. d	N.D. d
22) DCB-Surrogate	10.09	10.65	385514	1150981	N.D. m	N.D. m
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	7.15	7.24	22000	237958	453.677m	500.000
27) Toxaphene {2}	7.39	7.14	11258	97020	497.821m	488.251m
28) Toxaphene {3}	7.67	7.65	12482	87333	368.363m	500.000 #
29) Toxaphene {4}	8.02	8.44	12460	95637	367.888m	500.000 #
30) Toxaphene {5}	8.49	8.52	13995	66700	449.760m	500.000

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08336.D\ECD1A.CH 1008  
9  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-0305\3G08336.D\ECD2B.CH  
Acq On : 3 Aug 2005 12:31 Operator: JK  
Sample : CAL TOXAPH@500PPB Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 4 6:36 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GCDATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 12:53:04 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



# Form 6

Initial Calibration

Instrument: GC\_5

Level #:	Data File:		Analysis Date/Time			Level #:	Data File:		Analysis Date/Time			Calibration Level Concentrations													
	Col	Mr	Fit	RF1	RF2		RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Lv1	Lv2	Lv3	Lv4	Lv5	Lv6	Lv7	Lv8
1	0	0	Avg	733.23	709.73	887.12	800.81	743.47	736.33	---	---	768.671	0.999	0.999	8.5	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
3	0	0	Avg	798.12	784.65	940.58	915.53	877.00	887.08	---	---	867.800	1.00	1.00	7.3	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
5	0	0	Avg	743.26	722.95	829.96	771.28	731.83	739.35	---	---	756.853	1.00	1.00	5.2	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
7	0	0	Avg	395.79	373.15	386.63	346.25	326.65	327.49	---	---	359.942	0.999	0.999	8.4	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	631.98	605.34	678.69	611.05	568.44	560.27	---	---	609.880	0.999	0.999	7.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	690.03	690.25	806.35	741.51	710.85	717.82	---	---	726.975	1.00	1.00	6.0	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	682.82	706.43	849.27	779.37	738.60	740.50	---	---	750.916	1.00	1.00	7.9	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	620.78	600.43	671.96	610.66	579.10	571.72	---	---	609.998	0.999	1.00	5.9	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	587.32	667.74	757.42	694.34	664.42	668.00	---	---	673.106	1.00	1.00	8.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	602.18	652.50	745.88	679.29	646.77	647.91	---	---	662.1043	1.00	1.00	7.2	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	564.79	576.57	657.97	597.72	568.42	566.40	---	---	589.1033	0.999	1.00	6.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	629.63	668.32	795.98	726.90	696.67	696.05	---	---	702.1050	1.00	1.00	8.0	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	438.12	499.47	566.09	513.37	488.59	486.02	---	---	499.1075	0.999	1.00	8.4	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	434.65	460.16	499.13	450.11	426.78	427.81	---	---	450.1100	0.999	1.00	6.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	398.61	472.60	476.05	424.16	405.17	397.91	---	---	429.1141	0.999	1.00	8.5	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	477.31	508.63	569.45	515.23	497.03	499.40	---	---	511.1155	1.00	1.00	6.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	330.85	358.85	429.62	403.68	405.90	431.22	---	---	393.1161	0.999	1.00	10	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	317.47	257.19	340.86	315.71	304.89	301.02	---	---	306.1202	1.00	1.00	9.1	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	481.23	433.55	494.51	448.79	437.45	438.09	---	---	456.1237	1.00	1.00	5.7	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	170.44	151.55	180.68	165.07	160.06	163.27	---	---	165.1226	1.00	1.00	6.0	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	414.87	413.22	465.45	416.32	403.24	400.93	---	---	419.1290	1.00	1.00	5.6	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	0	Avg	692.82	649.14	777.29	693.88	662.19	657.60	---	---	689.1389	0.999	1.00	6.8	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	1	1	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	2	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	3	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	1	1	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
	1	2	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
	1	3	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
	1	4	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
	1	5	Avg	---	---	---	---	---	---	---	---	---	---	---	---	---	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
	2	0	Avg	637.63	640.47	785.83	717.35	659.98	649.35	---	---	682.661	0.999	0.999	8.6	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	
	2	0	Avg	755.19	840.55	1005.7	946.42	888.28	881.53	---	---	886.762	0.999	1.00	9.7	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	2	0	Avg	731.05	748.63	877.60	802.16	754.81	751.44	---	---	778.816	0.999	1.00	7.0	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	2	0	Avg	396.66	363.22	382.82	341.71	318.58	315.16	---	---	353.824	0.999	0.999	9.5	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	2	0	Avg	607.09	584.77	641.26	580.01	540.15	533.94	---	---	581.861	0.999	0.999	7.0	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	2	0	Avg	771.27	760.31	889.48	808.85	767.69	764.60	---	---	794.874	0.999	1.00	6.3	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00
	2	0	Avg	622.39	663.49	787.78	717.69	675.45	671.06	---	---	690.905	0.999	0.999	8.2	2.00	10.00	50.00	100.00	200.00	400.00	400.00	400.00	400.00	400.00

**Flags**  
c - failed the initial calibration criteria (if applicable)

**Note:**  
Col = Column Number  
Mr = MultiPeak Analyte 0=single peak analyte, >0=multi peak analyte (i.e. pcb/chlordane etc.)  
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.  
Corr 1 = Correlation Coefficient for linear Eq.  
Corr 2 = Correlation Coefficient for quad Eq.  
^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000  
Initial Calibration Criteria: either %RSD <=20 or Corr >= 0.995  
Columns: Signal #1 db-1701 ; Signal #2 db-608  
**560**

Avg Rsd Col 1: 7.2 Avg Rsd Col 2: 7.17

# Form 6

## Initial Calibration

Instrument: GC\_5

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	5G03469.	CAL PEST@2PPB	08/08/05 07:12	2	5G03470.	CAL PEST@10PPB	08/08/05 07:30
3	5G03471.	CAL PEST@50PPB	08/08/05 07:49	4	5G03472.	CAL PEST@100PPB	08/08/05 08:08
5	5G03473.	CAL PEST@200PPB	08/08/05 08:27	6	5G03474.	CAL PEST@400PPB	08/08/05 08:46
7	5G03475.	CAL CHLOR@100PP	08/08/05 09:05	8	5G03476.	CAL TOXAPH@500P	08/08/05 09:23

Compound	Col	Mr	Fit:	Calibration Level Concentrations																
				RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	
Heptachlor Epoxide	2	0	Avg	596.41	603.79	689.65	625.98	593.97	585.84	---	616.975	0.999	1.00	6.3	2.00	10.00	50.00	100.0	200.0	400.0
γ-chlordane	2	0	Avg	623.91	612.79	698.45	632.36	600.81	599.70	---	628.994	0.999	1.00	5.9	2.00	10.00	50.00	100.0	200.0	400.0
α-chlordane	2	0	Avg	661.10	616.61	680.99	615.04	582.48	580.26	---	623.104	0.999	1.00	6.6	2.00	10.00	50.00	100.0	200.0	400.0
Endosulfan I	2	0	Avg	599.76	583.13	656.50	594.82	561.86	557.93	---	592.1019	0.999	1.00	6.0	2.00	10.00	50.00	100.0	200.0	400.0
p,p'-DDE	2	0	Avg	569.32	584.99	690.61	628.21	599.27	597.07	---	612.1041	1.00	1.00	7.1	2.00	10.00	50.00	100.0	200.0	400.0
Dieldrin	2	0	Avg	476.86	500.81	584.71	536.34	516.03	521.94	---	523.1056	1.00	1.00	7.0	2.00	10.00	50.00	100.0	200.0	400.0
Endrin	2	0	Avg	419.97	413.82	468.54	428.33	409.30	416.46	---	426.1102	1.00	1.00	5.1	2.00	10.00	50.00	100.0	200.0	400.0
p,p'-DDD	2	0	Avg	337.68	370.04	417.72	379.28	366.14	365.94	---	373.1107	1.00	1.00	7.0	2.00	10.00	50.00	100.0	200.0	400.0
Endosulfan II	2	0	Avg	432.81	497.64	574.56	518.12	498.79	499.61	---	504.1122	1.00	1.00	9.0	2.00	10.00	50.00	100.0	200.0	400.0
p,p'-DDT	2	0	Avg	368.85	382.42	456.32	420.68	413.78	423.52	---	411.1143	1.00	1.00	7.6	2.00	10.00	50.00	100.0	200.0	400.0
Endrin Aldehyde	2	0	Avg	418.25	414.83	430.32	387.72	376.08	374.18	---	400.1160	1.00	1.00	6.0	2.00	10.00	50.00	100.0	200.0	400.0
Endosulfan Sulfate	2	0	Avg	425.98	431.41	498.18	452.30	441.16	444.02	---	449.1174	1.00	1.00	5.8	2.00	10.00	50.00	100.0	200.0	400.0
Methoxychlor	2	0	Avg	156.30	149.64	171.49	156.09	151.51	154.40	---	157.1243	1.00	1.00	5.0	2.00	10.00	50.00	100.0	200.0	400.0
Endrin Ketone	2	0	Avg	461.61	485.71	564.15	513.45	502.04	505.39	---	505.1270	1.00	1.00	6.8	2.00	10.00	50.00	100.0	200.0	400.0
DCB-Surrogate	2	0	Avg	718.35	600.94	677.46	597.39	565.00	556.97	---	619.1431	0.999	0.999	10	2.00	10.00	50.00	100.0	200.0	400.0
Chlordane	2	1	Avg	---	---	---	---	---	---	---	32.3	8.61	-1	Lvl=7	100.0	---	---	---	---	---
Chlordane	2	2	Avg	---	---	---	---	---	---	---	133	9.94	-1	Lvl=7	100.0	---	---	---	---	---
Chlordane	2	3	Avg	---	---	---	---	---	---	---	52.8	10.14	-1	Lvl=7	100.0	---	---	---	---	---
Toxaphene	2	1	Avg	---	---	---	---	---	---	---	4.40	10.68	-1	Lvl=8	500.0	---	---	---	---	---
Toxaphene	2	2	Avg	---	---	---	---	---	---	---	2.76	11.34	-1	Lvl=8	500.0	---	---	---	---	---
Toxaphene	2	3	Avg	---	---	---	---	---	---	---	6.78	11.49	-1	Lvl=8	500.0	---	---	---	---	---
Toxaphene	2	4	Avg	---	---	---	---	---	---	---	7.02	12.21	-1	Lvl=8	500.0	---	---	---	---	---
Toxaphene	2	5	Avg	---	---	---	---	---	---	---	6.66	12.28	-1	Lvl=8	500.0	---	---	---	---	---

Avg Rsd Col 1: 7.2      Avg Rsd Col 2: 7.17

**Flags**  
c - failed the initial calibration criteria(if applicable)

**Note:**  
Col = Column Number  
Mr = MultiPeak Analyte 0=single peak analyte.>0=multi peak analyte (i.e. pcb/chlordane etc.)  
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.  
Corr 1 = Correlation Coefficient for linear Eq.  
Corr 2 = Correlation Coefficient for quad Eq.  
^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000  
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995  
Columns: Signal #1 db-1701 : Signal #2 db-608

0011

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03469.D\ECD1A.CH <sup>1</sup>Signal: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03469.D\ECD2B.CH <sup>1</sup>  
 Acq On : 8-8-05 7:12:09 Operator: JK  
 Sample : CAL PEST@2PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 9:16 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

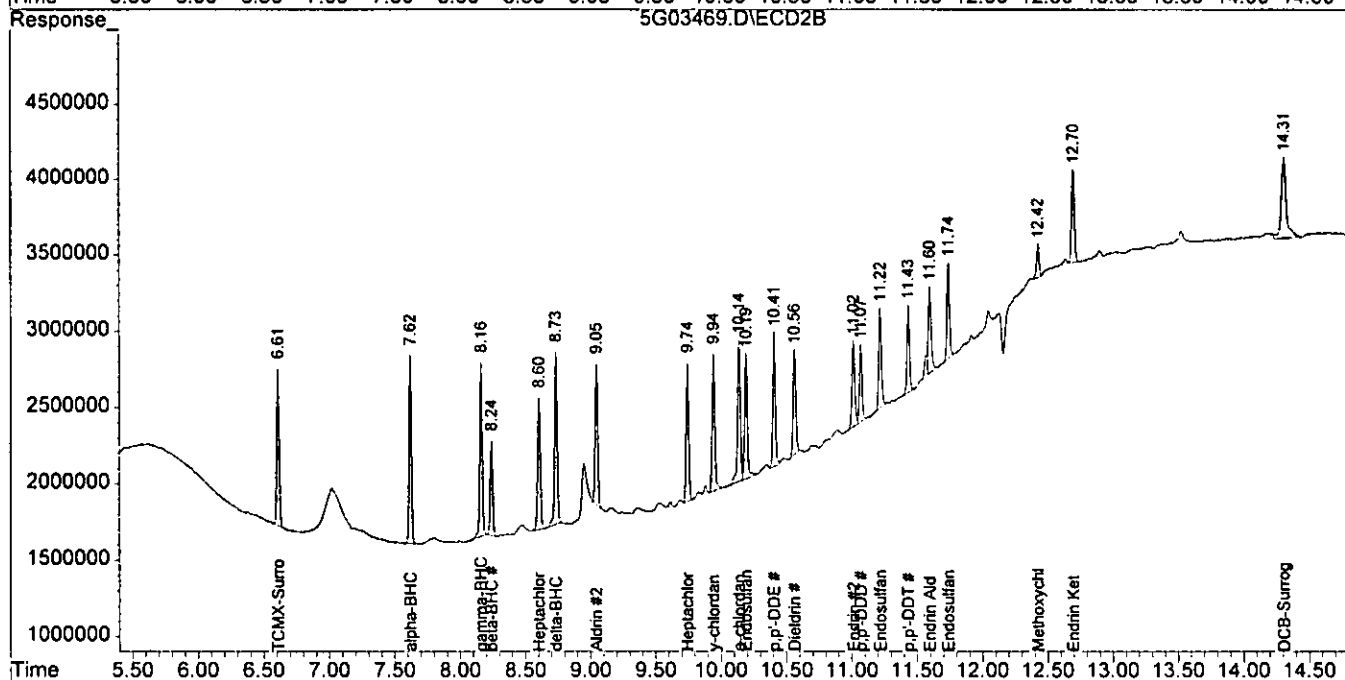
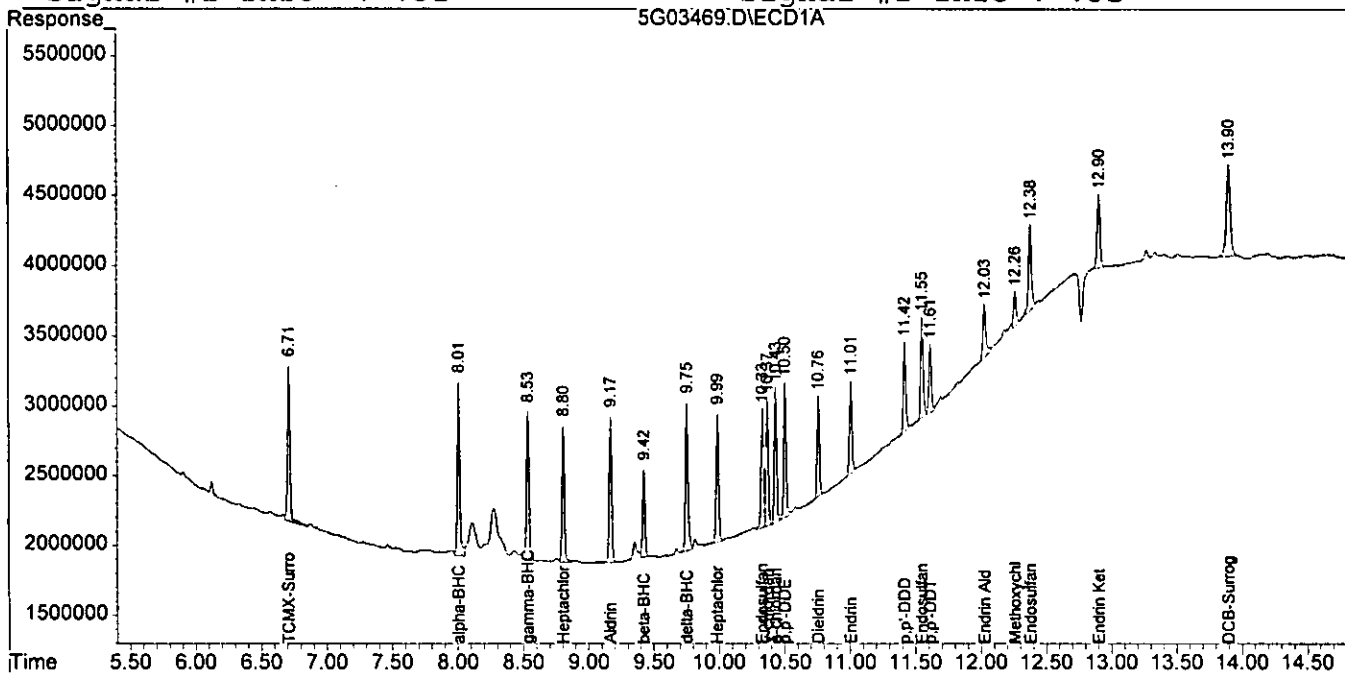
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	14664700	12752721	2.369	1.976
2) alpha-BHC	8.01	7.62	15962425	15103829	2.358	1.870
3) gamma-BHC	8.53	8.16	14865218	14621180	2.605	2.177
4) beta-BHC	9.42	8.24	7915876	7933248	3.002m	2.605
5) Heptachlor	8.80	8.60	12639670	12141822	2.616	2.578
6) delta-BHC	9.75	8.73	13800668	15425440	2.686	2.305
7) Aldrin	9.17	9.05	13656584	12447931	2.356	2.116
8) Heptachlor Epoxi	9.99	9.74	12415742	11928250	2.654	2.440
9) y-chlordane	10.37	9.94	11746562	12478284	2.238	2.359
10) a-chlordane	10.43	10.14	12043738	13222124	2.262	2.562
11) Endosulfan I	10.33	10.19	11295879	11995337	2.533	2.513
12) p,p'-DDE	10.50	10.41	12592671	11386425	2.190	2.212
13) Dieldrin	10.76	10.56	8762552	9537352	2.055	2.502
14) Endrin	11.01	11.02	8693199	8399537	2.663m	3.072
15) p,p'-DDD	11.42	11.07	7972328	6753632	2.254m	2.270
16) Endosulfan II	11.55	11.22	9546380	8656328	2.347	2.062
17) p,p'-DDT	11.61	11.43	6617021	7377056	2.126m	2.218
18) Endrin Aldehyde	12.03	11.60	6349543	8365171	2.583m	2.969m
19) Endosulfan Sulfa	12.38	11.74	9624732	8519777	2.484m	2.429
20) Methoxychlor	12.26	12.42	3408923	3126122	2.336m	2.499m
21) Endrin Ketone	12.90	12.70	8297563	9232368	2.451m	2.357
22) DCB-Surrogate	13.90	14.31	13856412	14367040	2.280	2.477
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03469.D\ECD1A.CH Total: 3  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03469.D\ECD2B.CH  
 Acq On : 8-8-05 7:12:09 Operator: JK  
 Sample : CAL PEST@2PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 9:16 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GCDATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03470.D\ECD1A.CH 1103  
3  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03470.D\ECD2B.CH  
 Acq On : 8-8-05 7:30:57 Operator: JK  
 Sample : CAL PEST@10PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:07 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC\DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*28/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

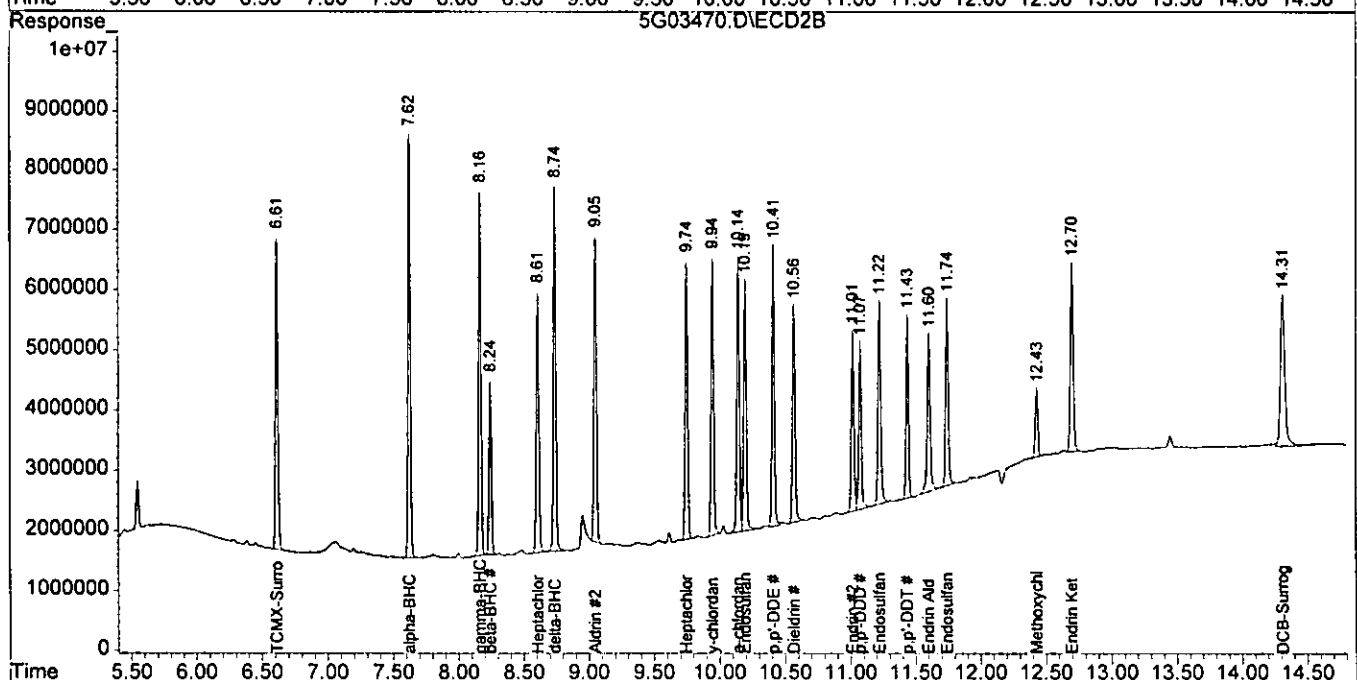
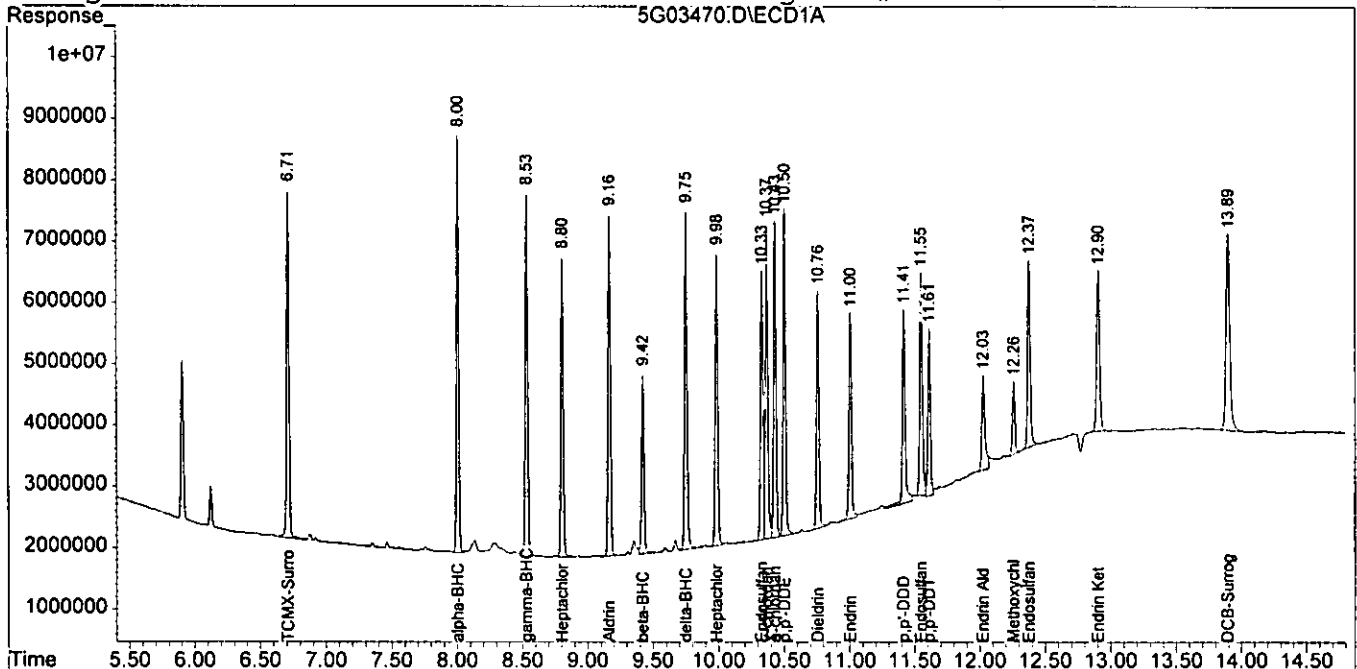
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	70973650	64047008	11.468	9.924
2) alpha-BHC	8.00	7.62	78465196	84055992	11.592	10.405
3) gamma-BHC	8.53	8.16	72295529	74863051	12.671	11.148
4) beta-BHC	9.42	8.24	37315773	36322297	14.150	11.925
5) Heptachlor	8.80	8.61	60534139	58477103	12.527	12.414
6) delta-BHC	9.75	8.74	69025388	76031892	13.433	11.360
7) Aldrin	9.16	9.05	70643576	66349753	12.188	11.281
8) Heptachlor Epoxi	9.98	9.75	60043039	60379200	12.836	12.352
9) y-chlordane	10.37	9.94	66774836	61279476	12.723	11.587
10) a-chlordane	10.43	10.14	65250262	61661396	12.257	11.947
11) Endosulfan I	10.33	10.19	57657000	58313372	12.929	12.219
12) p,p'-DDE	10.50	10.41	66832299	58499772	11.625	11.363
13) Dieldrin	10.76	10.57	49947043	50081800	11.712	13.138
14) Endrin	11.00	11.02	46016494	41382075	14.094	15.133
15) p,p'-DDD	11.42	11.07	47260372	37004077	13.364	12.438
16) Endosulfan II	11.55	11.22	50863435	49764827	12.507m	11.855
17) p,p'-DDT	11.61	11.43	35885155	38242616	11.532	11.496
18) Endrin Aldehyde	12.03	11.60	25719204	41483600	10.462m	14.721m#
19) Endosulfan Sulfa	12.37	11.74	43355103	43141480	11.187m	12.302
20) Methoxychlor	12.26	12.43	15155323	14964204	10.386m	11.962
21) Endrin Ketone	12.90	12.70	41322326	48571304	12.204m	12.399
22) DCB-Surrogate	13.90	14.31	64914900	60094045	10.681	10.362
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03470.D\ECD1A.CH Val: 4  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03470.D\ECD2B.CH  
 Acq On : 8-8-05 7:30:57 Operator: JK  
 Sample : CAL PEST@10PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:07 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GCData\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32





11:15

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03471.D\ECD1A.CH Vial: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03471.D\ECD2B.CH  
 Acq On : 8-8-05 7:49:48 Operator: JK  
 Sample : CAL PEST@50PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:08 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	443.6E6	392.9E6	71.669	60.880
2) alpha-BHC	8.00	7.62	470.3E6	502.9E6	69.478	62.252
3) gamma-BHC	8.53	8.16	415.0E6	438.8E6	72.732	65.341
4) beta-BHC	9.42	8.24	193.3E6	191.3E6	73.306	62.794
5) Heptachlor	8.80	8.61	339.3E6	320.6E6	70.225	68.065
6) delta-BHC	9.75	8.74	403.2E6	444.7E6	78.461	66.450
7) Aldrin	9.16	9.05	424.6E6	393.9E6	73.261	66.972
8) Heptachlor Epoxi	9.98	9.74	336.0E6	344.8E6	71.827	70.543
9) gamma-chlordane	10.36	9.94	378.7E6	349.2E6	72.160	66.034
10) alpha-chlordane	10.43	10.14	372.9E6	340.5E6	70.053	65.971
11) Endosulfan I	10.33	10.19	329.0E6	328.3E6	73.772	68.780
12) p,p'-DDE	10.50	10.41	398.0E6	345.3E6	69.228	67.072
13) Dieldrin	10.75	10.56	283.0E6	292.4E6	66.373	76.695
14) Endrin	11.00	11.02	249.6E6	234.3E6	76.441	85.670
15) p,p'-DDD	11.41	11.07	238.0E6	208.9E6	67.308	70.204
16) Endosulfan II	11.55	11.22	284.7E6	287.3E6	70.012	68.434
17) p,p'-DDT	11.61	11.43	214.8E6	228.2E6	69.031	68.588
18) Endrin Aldehyde	12.02	11.60	170.4E6	215.2E6	69.327	76.356
19) Endosulfan Sulfa	12.37	11.74	247.3E6	249.1E6	63.802	71.029
20) Methoxychlor	12.26	12.42	90343455	85745084	61.911	68.544
21) Endrin Ketone	12.90	12.70	232.7E6	282.1E6	68.735	72.005
22) DCB-Surrogate	13.89	14.31	388.6E6	338.7E6	63.949	58.407
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

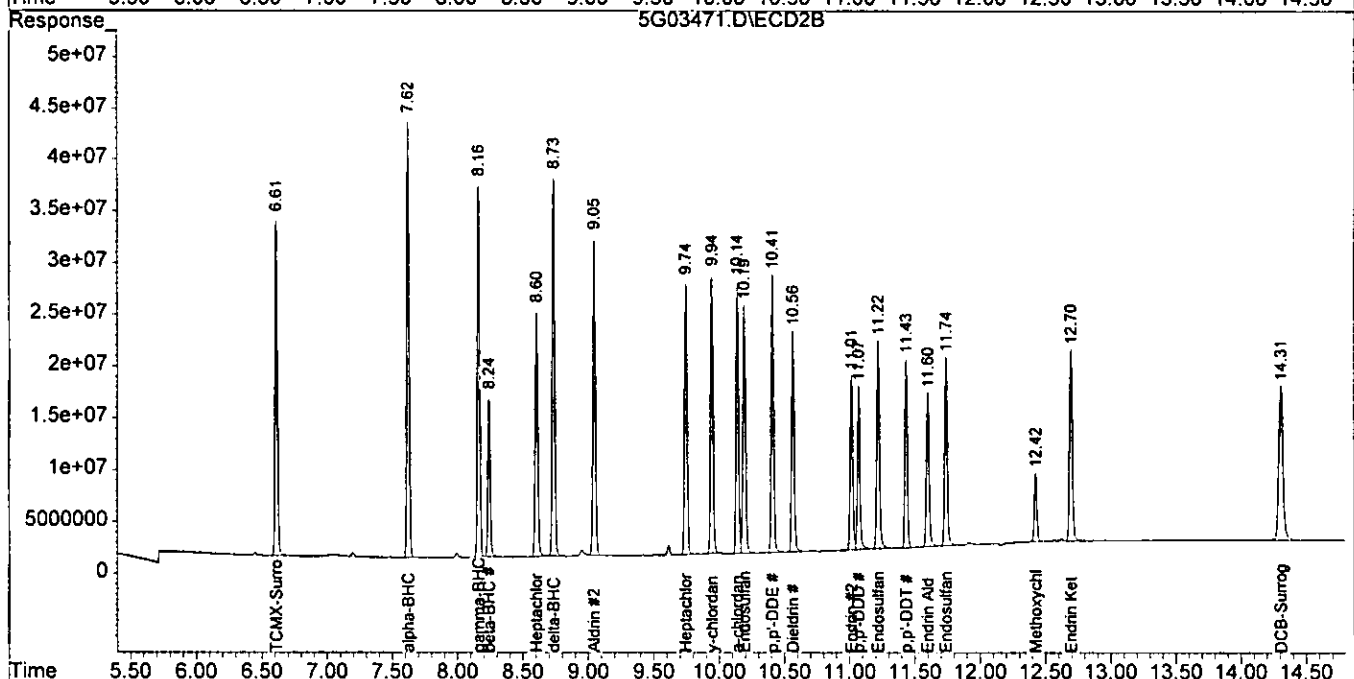
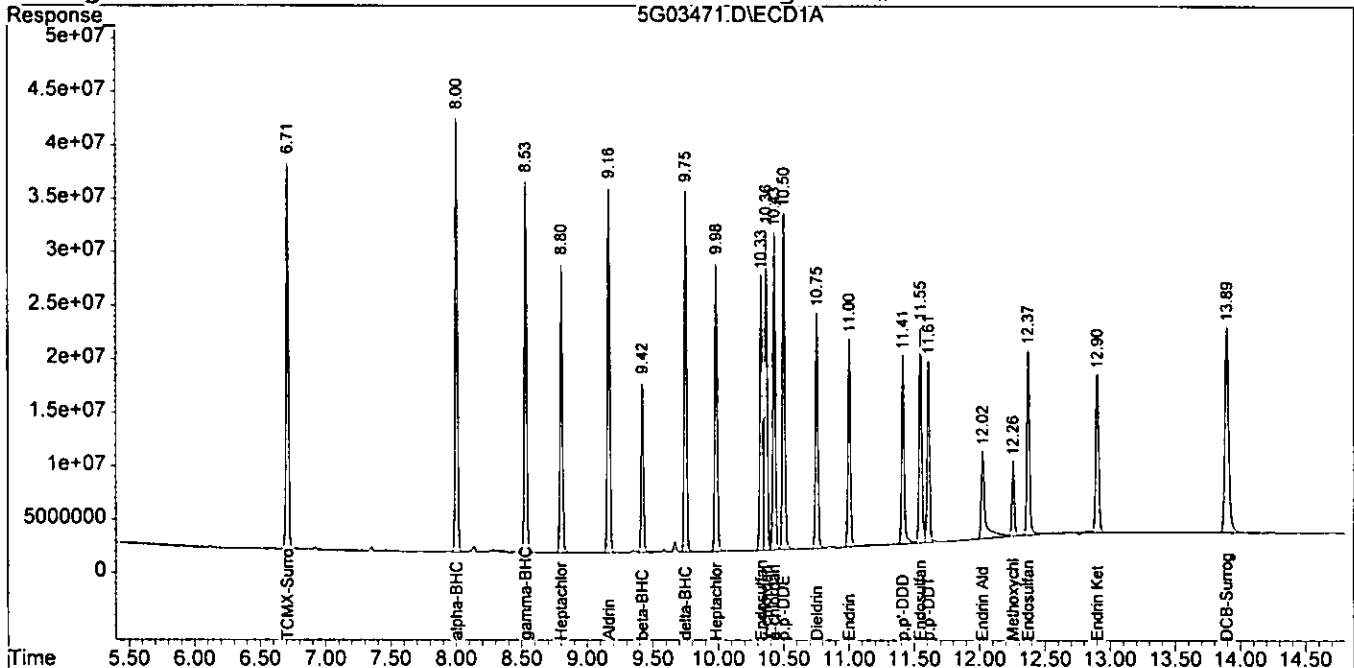
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03471.D\ECD1A.CH Val: 5  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03471.D\ECD2B.CH  
 Acq On : 8-8-05 7:49:48 Operator: JK  
 Sample : CAL PEST@50PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:08 2005 Quant Results File: 5G\_P0808.RES

9671

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03472.D\ECD1A.CH Val: 6  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03472.D\ECD2B.CH  
 Acq On : 8-8-05 8:08:35 Operator: JK  
 Sample : CAL PEST@100PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:35 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/0*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

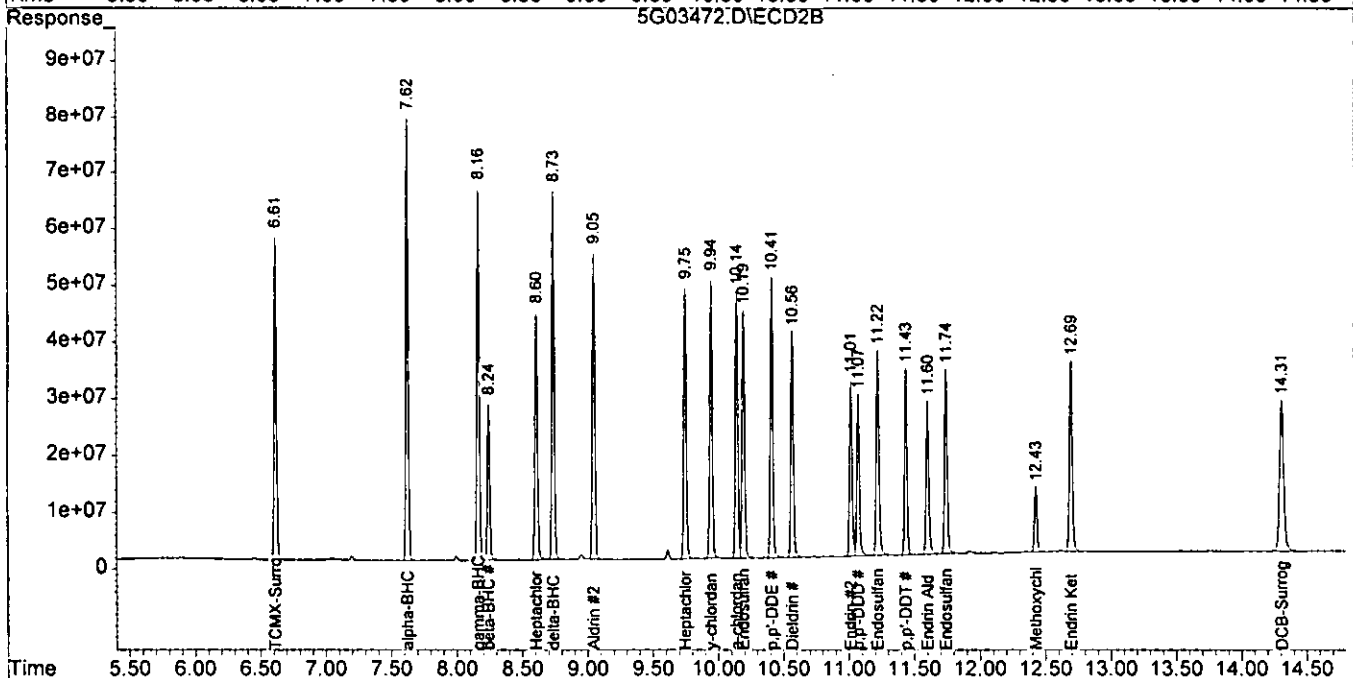
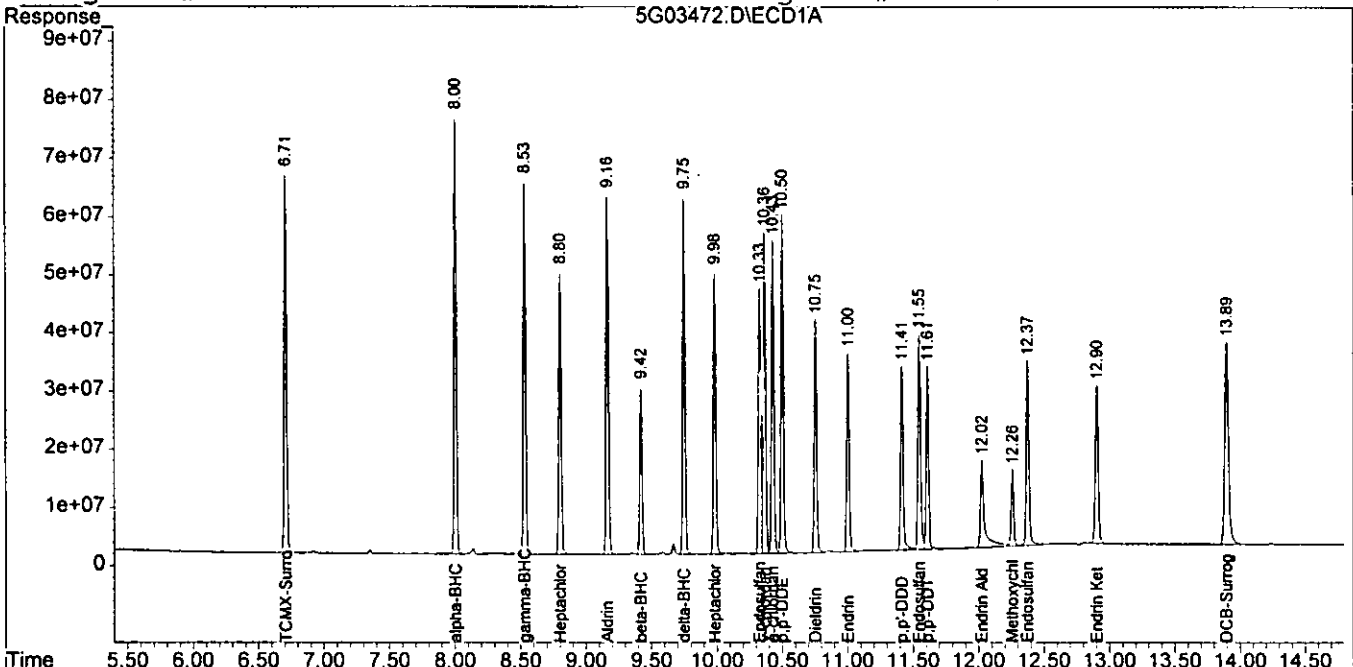
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	800.8E6	717.4E6	129.392	111.150
2) alpha-BHC	8.00	7.62	915.5E6	946.4E6	135.256	117.158
3) gamma-BHC	8.53	8.16	771.3E6	802.2E6	135.180	119.449
4) beta-BHC	9.42	8.24	346.3E6	341.7E6	131.300	112.188
5) Heptachlor	8.80	8.61	611.1E6	580.0E6	126.453	123.129
6) delta-BHC	9.75	8.74	741.5E6	808.9E6	144.303	120.853
7) Aldrin	9.16	9.05	779.4E6	717.7E6	134.462	122.027
8) Heptachlor Epoxi	9.98	9.75	610.7E6	626.0E6	130.548	128.059
9) y-chlordane	10.36	9.94	694.3E6	632.4E6	132.300	119.573
10) a-chlordane	10.43	10.14	679.3E6	615.0E6	127.599	119.163
11) Endosulfan I	10.33	10.19	597.7E6	594.8E6	134.033	124.637
12) p,p'-DDE	10.50	10.41	726.9E6	628.2E6	126.440	122.025
13) Dieldrin	10.75	10.56	513.4E6	536.3E6	120.382	140.701
14) Endrin	11.00	11.02	450.1E6	428.3E6	137.865	156.633
15) p,p'-DDD	11.41	11.07	424.2E6	379.3E6	119.939	127.488
16) Endosulfan II	11.55	11.22	515.2E6	518.1E6	126.692	123.424
17) p,p'-DDT	11.61	11.43	403.7E6	420.7E6	129.726	126.461
18) Endrin Aldehyde	12.02	11.60	315.7E6	387.7E6	128.423	137.594
19) Endosulfan Sulfa	12.37	11.74	448.8E6	452.3E6	115.806	128.974
20) Methoxychlor	12.26	12.43	165.1E6	156.1E6	113.124	124.785
21) Endrin Ketone	12.90	12.70	416.3E6	513.5E6	122.961	131.069
22) DCB-Surrogate	13.89	14.31	693.9E6	597.4E6	114.174	103.007
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03472.D\ECD1A.CH Val: 6  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03472.D\ECD2B.CH  
 Acq On : 8-8-05 8:08:35 Operator: JK  
 Sample : CAL PEST@100PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:35 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Fri Jul 29 11:15:46 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03473.D\ECD1A.CH <sup>1</sup> 7  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03473.D\ECD2B.CH <sup>509</sup>  
 Acq On : 8-8-05 8:27:20 Operator: JK  
 Sample : CAL PEST@200PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:43 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 08:35:37 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/05*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

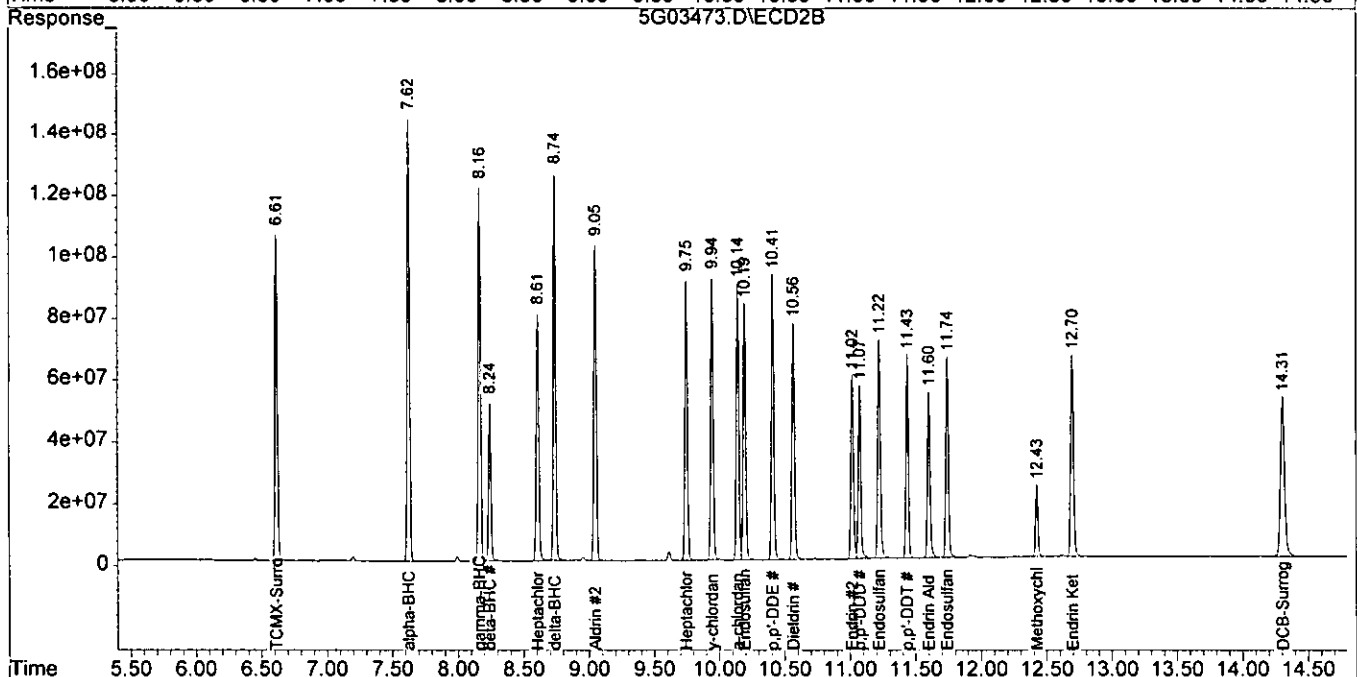
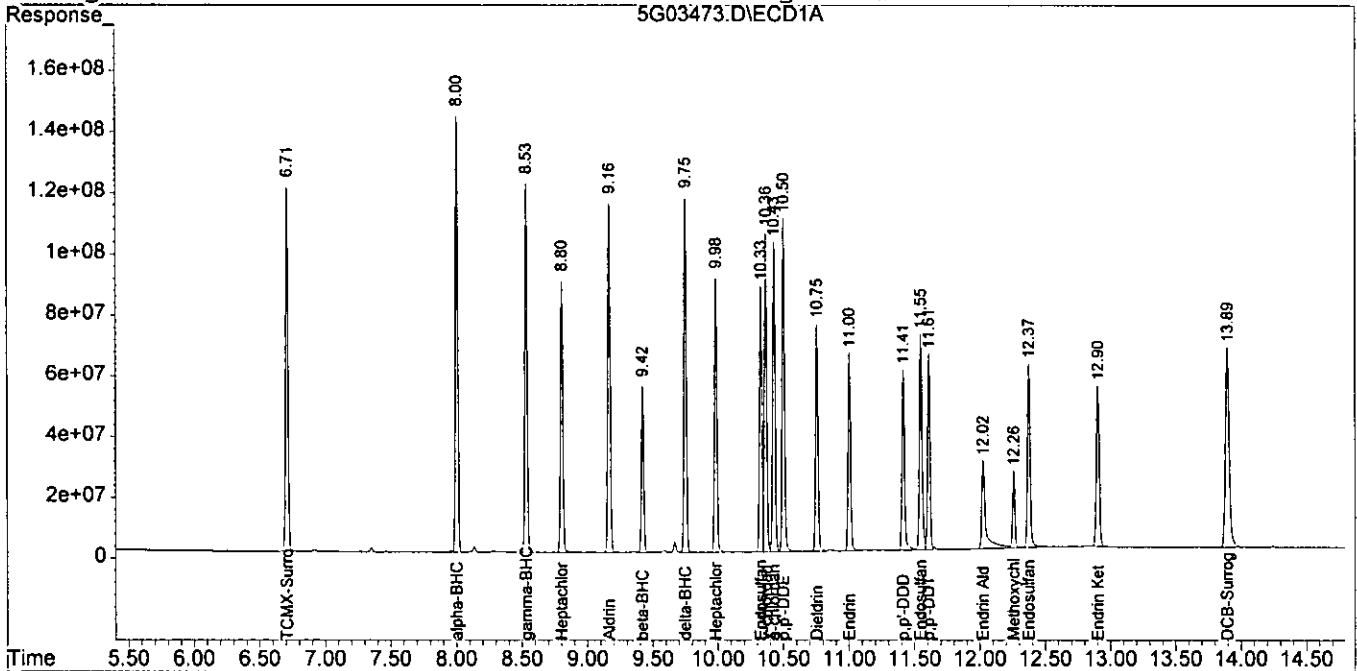
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	1486.9E6	1320.0E6	240.254	204.523
2) alpha-BHC	8.00	7.62	1754.0E6	1776.6E6	259.126	219.921
3) gamma-BHC	8.53	8.16	1463.7E6	1509.6E6	256.531	224.795
4) beta-BHC	9.42	8.24	653.3E6	637.2E6	247.735	209.185
5) Heptachlor	8.80	8.61	1136.9E6	1080.3E6	235.269	229.334
6) delta-BHC	9.75	8.74	1421.7E6	1535.4E6	276.674	229.408
7) Aldrin	9.16	9.05	1477.2E6	1350.9E6	254.860	229.691
8) Heptachlor Epoxi	9.98	9.75	1158.2E6	1187.9E6	247.603	243.021
9) y-chlordane	10.37	9.94	1328.9E6	1201.6E6	253.199	227.213
10) a-chlordane	10.43	10.14	1293.5E6	1165.0E6	242.977	225.709
11) Endosulfan I	10.33	10.19	1136.8E6	1123.7E6	254.926	235.459
12) p,p'-DDE	10.50	10.41	1393.3E6	1198.6E6	242.361	232.806
13) Dieldrin	10.75	10.56	977.2E6	1032.1E6	229.144	270.743
14) Endrin	11.00	11.02	853.6E6	818.6E6	261.439	299.348
15) p,p'-DDD	11.41	11.07	810.3E6	732.3E6	229.140	246.144
16) Endosulfan II	11.55	11.22	994.1E6	997.6E6	244.431	237.638
17) p,p'-DDT	11.61	11.43	811.8E6	827.6E6	260.881	248.779
18) Endrin Aldehyde	12.02	11.60	609.8E6	752.2E6	248.051	266.925
19) Endosulfan Sulfa	12.37	11.74	874.9E6	882.3E6	225.762	251.597
20) Methoxychlor	12.26	12.43	320.1E6	303.0E6	219.377	242.236
21) Endrin Ketone	12.90	12.70	806.5E6	1004.1E6	238.195	256.311
22) DCB-Surrogate	13.90	14.31	1324.4E6	1130.0E6	217.920	194.845
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03473.D\ECD1A.CH Vial: 7  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03473.D\ECD2B.CH Vial: 8  
 Acq On : 8-8-05 8:27:20 Operator: JK  
 Sample : CAL PEST@200PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 8:43 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC\DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 08:35:37 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03474.D\ECD1A.CH Vial: 8  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03474.D\ECD2B.CH  
 Acq On : 8-8-05 8:46:10 Operator: JK  
 Sample : CAL PEST@400PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 9:04 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC\DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 08:35:37 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/07*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	2945.4E6	2597.4E6	475.896	402.453
2) alpha-BHC	8.00	7.62	3548.3E6	3526.1E6	524.209	436.502
3) gamma-BHC	8.53	8.16	2957.4E6	3005.8E6	518.335	447.585
4) beta-BHC	9.42	8.24	1310.0E6	1260.7E6	496.750	413.887
5) Heptachlor	8.80	8.61	2241.1E6	2135.8E6	463.774	453.394
6) delta-BHC	9.75	8.74	2871.3E6	3058.4E6	558.771	456.971
7) Aldrin	9.16	9.05	2962.0E6	2684.2E6	511.026	456.392
8) Heptachlor Epoxi	9.98	9.75	2286.9E6	2343.4E6	488.896	479.396
9) y-chlordane	10.37	9.94	2672.0E6	2398.8E6	509.126	453.584
10) a-chlordane	10.43	10.14	2591.6E6	2321.1E6	486.812	449.699
11) Endosulfan I	10.33	10.19	2265.6E6	2231.8E6	508.043	467.627
12) p,p'-DDE	10.50	10.41	2784.2E6	2388.3E6	484.291	463.898
13) Dieldrin	10.75	10.57	1944.1E6	2087.8E6	455.874	547.687
14) Endrin	11.00	11.02	1711.2E6	1665.9E6	524.140	609.179
15) p,p'-DDD	11.41	11.07	1591.7E6	1463.8E6	450.071	492.014
16) Endosulfan II	11.55	11.22	1997.6E6	1998.5E6	491.197	476.053
17) p,p'-DDT	11.61	11.43	1724.9E6	1694.1E6	554.303	509.259
18) Endrin Aldehyde	12.02	11.60	1204.1E6	1496.8E6	489.788	531.159
19) Endosulfan Sulfa	12.37	11.74	1752.4E6	1776.1E6	452.181	506.447
20) Methoxychlor	12.26	12.43	653.1E6	617.6E6	447.549	493.738
21) Endrin Ketone	12.90	12.70	1603.7E6	2021.6E6	473.658	516.043
22) DCB-Surrogate	13.89	14.31	2630.4E6	2227.9E6	432.822	384.155
23) Chlordane (1)	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane (2)	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane (3)	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene (1)	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene (2)	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene (3)	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene (4)	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene (5)	0.00	0.00	0	0	N.D. d	N.D. d

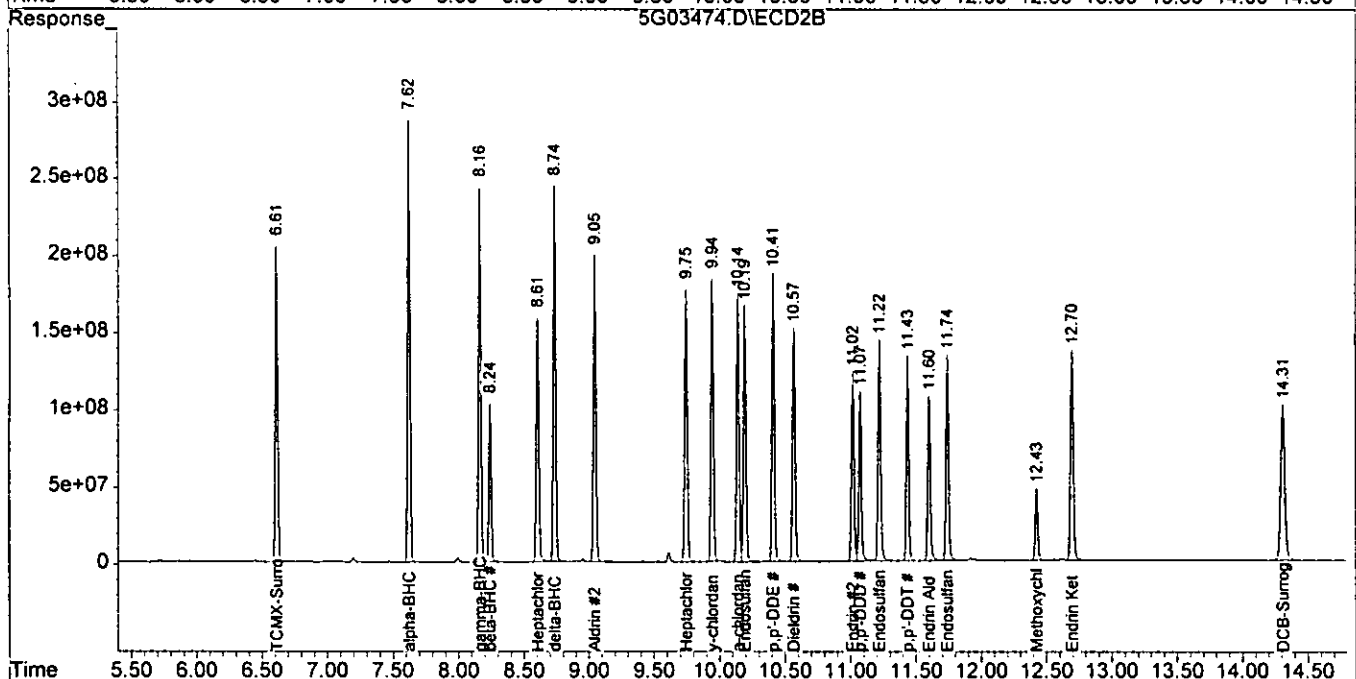
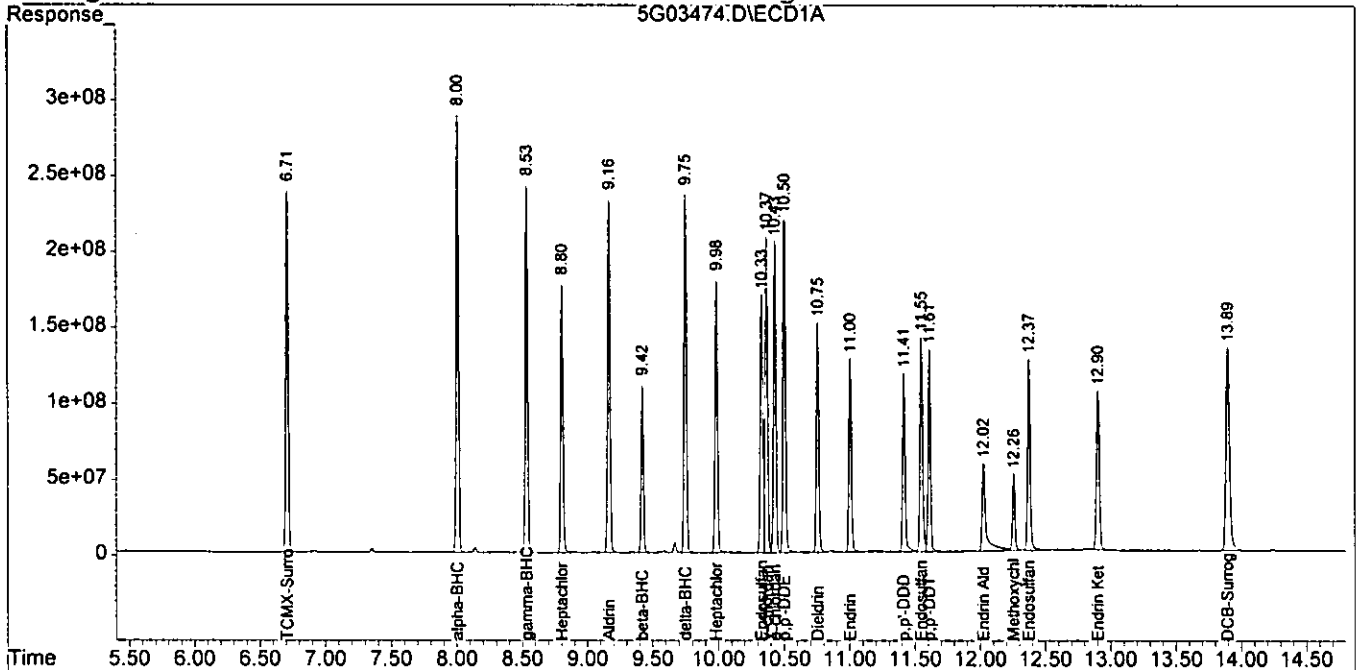
Quantitation Report

111

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03474.D\ECD1A.CH Val: 8  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03474.D\ECD2B.CH  
 Acq On : 8-8-05 8:46:10 Operator: JK  
 Sample : CAL PEST@400PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 9:04 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 08:35:37 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32





Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03475.D\ECD1A.CH Vital: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03475.D\ECD2B.CH  
 Acq On : 8-8-05 9:05:03 Operator: JK  
 Sample : CAL CHLOR@100PPB Inst : GC\_5  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 9:30 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:08:42 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

*08/11/05*

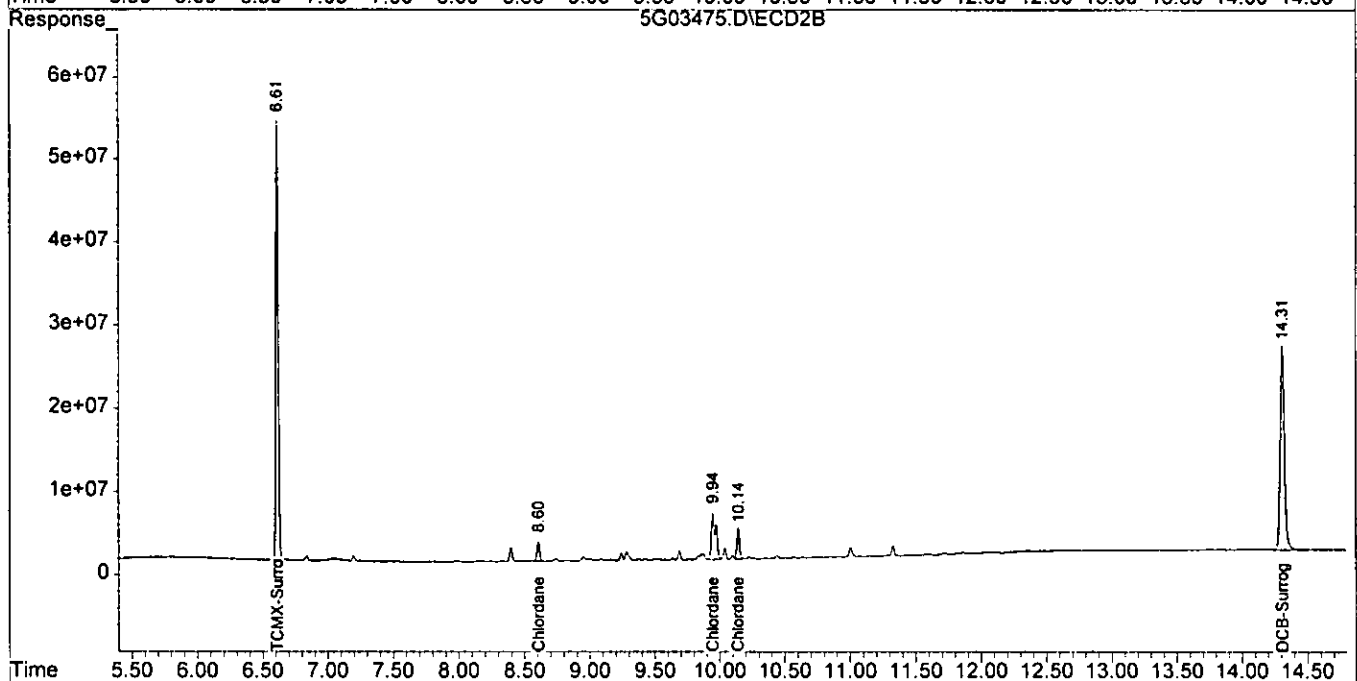
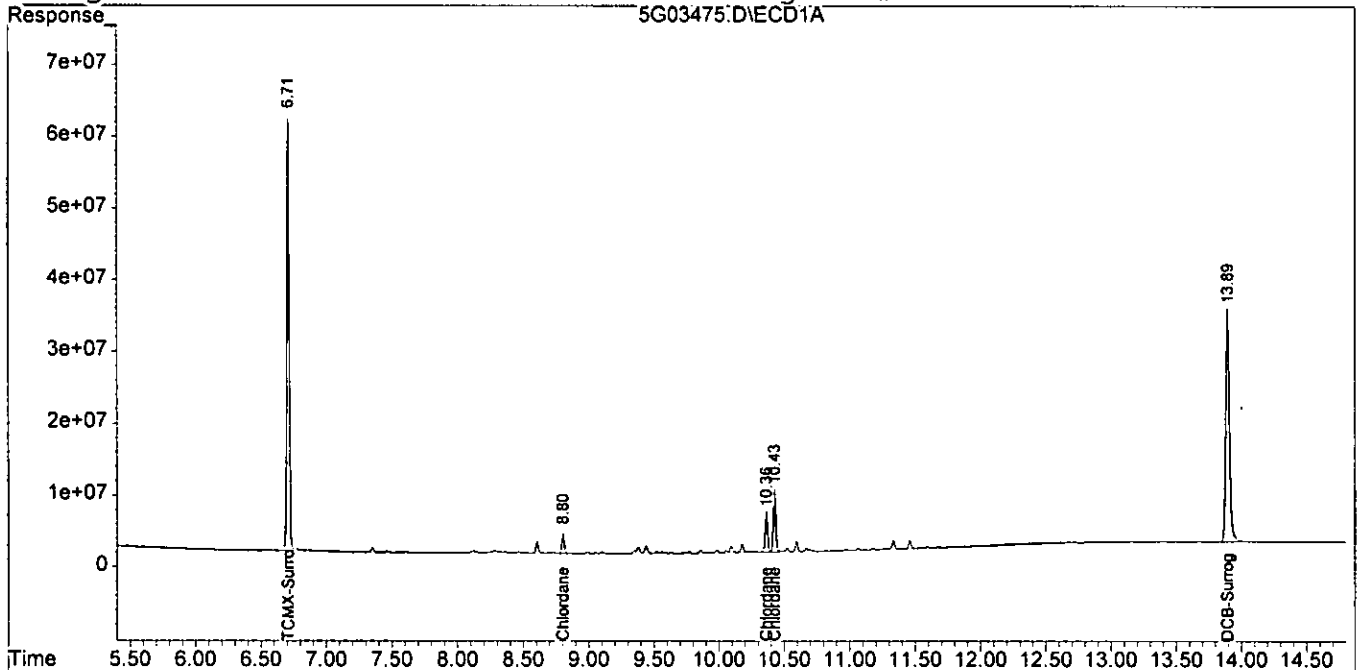
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	735.6E6	661.9E6	96.318	97.492
2) alpha-BHC	0.00	0.00	0	0	N.D. d	N.D. d
3) gamma-BHC	0.00	0.00	0	0	N.D. d	N.D. d
4) beta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
5) Heptachlor	0.00	0.00	0	0	N.D. d	N.D. d
6) delta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
7) Aldrin	0.00	0.00	0	0	N.D. d	N.D. d
8) Heptachlor Epoxi	0.00	0.00	0	0	N.D. d	N.D. d
9) y-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
10) a-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
11) Endosulfan I	0.00	0.00	0	0	N.D. d	N.D. d
12) p,p'-DDE	0.00	0.00	0	0	N.D. d	N.D. d
13) Dieldrin	0.00	0.00	0	0	N.D. d	N.D. d
14) Endrin	0.00	0.00	0	0	N.D. d	N.D. d
15) p,p'-DDD	0.00	0.00	0	0	N.D. d	N.D. d
16) Endosulfan II	0.00	0.00	0	0	N.D. d	N.D. d
17) p,p'-DDT	0.00	0.00	0	0	N.D. d	N.D. d
18) Endrin Aldehyde	0.00	0.00	0	0	N.D. d	N.D. d
19) Endosulfan Sulfa	0.00	0.00	0	0	N.D. d	N.D. d
20) Methoxychlor	0.00	0.00	0	0	N.D. d	N.D. d
21) Endrin Ketone	0.00	0.00	0	0	N.D. d	N.D. d
22) DCB-Surrogate	13.89	14.31	640.8E6	549.3E6	93.962	90.147
23) Chlordane {1}	8.80	8.61	34518988	32264719	101.941	100.076
24) Chlordane {2}	10.36	9.94	74020822	133.4E6	96.104	98.598m
25) Chlordane {3}	10.43	10.14	113.5E6	52753833	99.601	99.193
26) Toxaphene {1}	0.00	0.00	0	0	N.D. d	N.D. d
27) Toxaphene {2}	0.00	0.00	0	0	N.D. d	N.D. d
28) Toxaphene {3}	0.00	0.00	0	0	N.D. d	N.D. d
29) Toxaphene {4}	0.00	0.00	0	0	N.D. d	N.D. d
30) Toxaphene {5}	0.00	0.00	0	0	N.D. d	N.D. d

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03475.D\ECD1A.CH Vial: 9  
Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03475.D\ECD2B.CH Vial: 9  
Acq On : 8-8-05 9:05:03 Operator: JK  
Sample : CAL CHLOR@100PPB Inst : GC\_5  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 8 9:30 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GCDATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
Title : @GC\_5,ug,608,8081  
Last Update : Mon Aug 08 09:08:42 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



Data File : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03476.D\ECD1A.CH Vial: 10  
 Acq On : 8-8-05 9:23:53 Operator: JK  
 Sample : CAL TOXAPH@500PPB Inst : GC\_5  
 Misc : S, PEST Multiplr: 1.00  
 IntFile : PEST1.E

Data File : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03476.D\ECD2B.CH Vial: 10  
 Acq On : 8-8-05 9:23:52 Operator: JK  
 Sample : CAL TOXAPH@500PPB Inst : GC\_5  
 Misc : S, PEST Multiplr: 1.00  
 IntFile : Pest2.e

Quant Time: Aug 8 9:56 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:55:48 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

*08/11/01*

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	374.7E6	329.1E6	55.975	55.429
2) alpha-BHC	0.00	0.00	0	0	N.D. d	N.D. d
3) gamma-BHC	0.00	0.00	0	0	N.D. d	N.D. d
4) beta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
5) Heptachlor	0.00	0.00	0	0	N.D. d	N.D. d
6) delta-BHC	0.00	0.00	0	0	N.D. d	N.D. d
7) Aldrin	0.00	0.00	0	0	N.D. d	N.D. d
8) Heptachlor Epoxi	0.00	0.00	0	0	N.D. d	N.D. d
9) y-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
10) a-chlordane	0.00	0.00	0	0	N.D. d	N.D. d
11) Endosulfan I	0.00	0.00	0	0	N.D. d	N.D. d
12) p,p'-DDE	0.00	0.00	0	0	N.D. d	N.D. d
13) Dieldrin	0.00	0.00	0	0	N.D. d	N.D. d
14) Endrin	0.00	0.00	0	0	N.D. d	N.D. d
15) p,p'-DDD	0.00	0.00	0	0	N.D. d	N.D. d
16) Endosulfan II	0.00	0.00	0	0	N.D. d	N.D. d
17) p,p'-DDT	0.00	0.00	0	0	N.D. d	N.D. d
18) Endrin Aldehyde	0.00	0.00	0	0	N.D. d	N.D. d
19) Endosulfan Sulfa	0.00	0.00	0	0	N.D. d	N.D. d
20) Methoxychlor	0.00	0.00	0	0	N.D. d	N.D. d
21) Endrin Ketone	0.00	0.00	0	0	N.D. d	N.D. d
22) DCB-Surrogate	13.89	14.31	323.5E6	279.1E6	53.953	51.792
23) Chlordane {1}	0.00	0.00	0	0	N.D. d	N.D. d
24) Chlordane {2}	0.00	0.00	0	0	N.D. d	N.D. d
25) Chlordane {3}	0.00	0.00	0	0	N.D. d	N.D. d
26) Toxaphene {1}	10.44	10.68	16058475	22002623	500.000	491.259m
27) Toxaphene {2}	11.45	11.34	42366676	13801540	500.000	488.363m
28) Toxaphene {3}	11.58	11.49	52050144	33885544	500.000	422.762
29) Toxaphene {4}	11.87	12.21	37893869	35080266	572.355m	500.000
30) Toxaphene {5}	12.32	12.28	45095246	33315735	525.567m	500.000

Quantitation Report

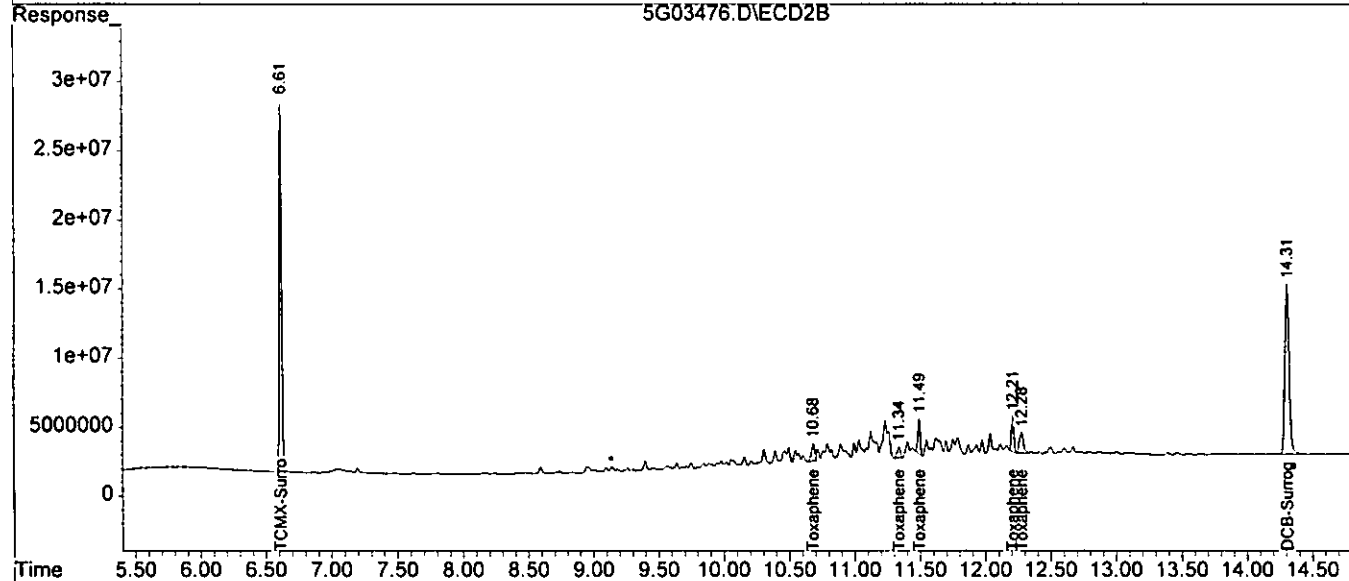
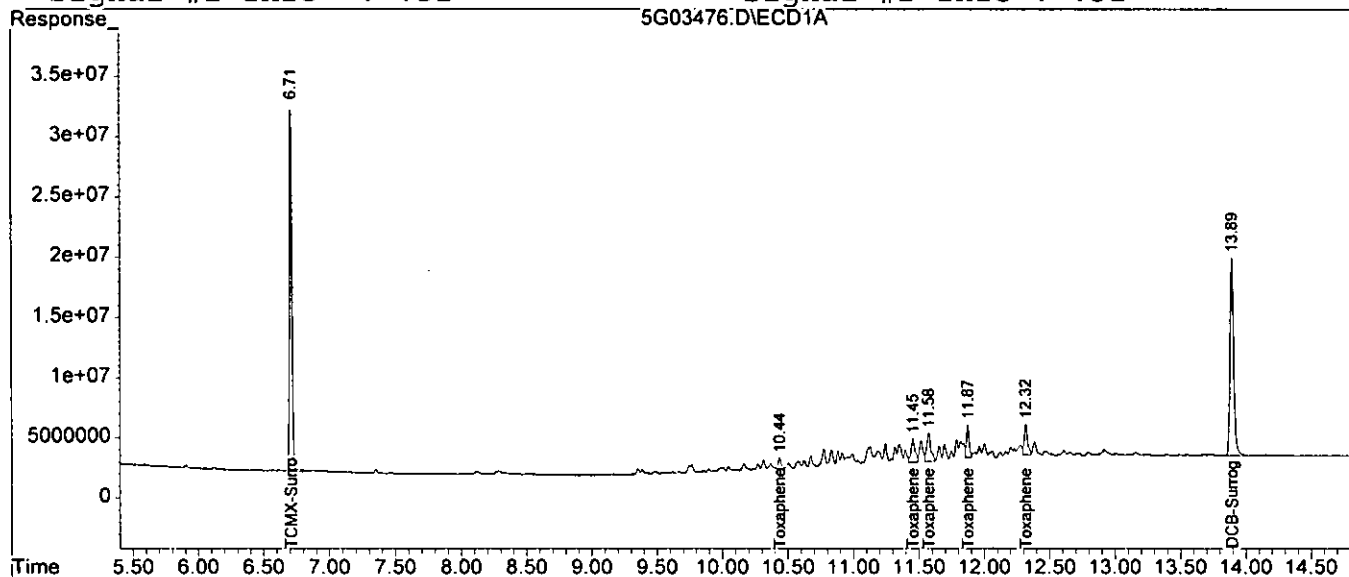
Data File : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03476.D\ECD1A.CH Vial: 10  
Acq On : 8-8-05 9:23:53 Operator: JK  
Sample : CAL TOXAPH@500PPB Inst : GC\_5  
Misc : S, PEST Multiplr: 1.00  
IntFile : PEST1.E

Data File : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03476.D\ECD2B.CH Vial: 10  
Acq On : 8-8-05 9:23:52 Operator: JK  
Sample : CAL TOXAPH@500PPB Inst : GC\_5  
Misc : S, PEST Multiplr: 1.00  
IntFile : Pest2.e

Quant Time: Aug 8 9:56 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
Title : @GC\_5,ug,608,8081  
Last Update : Mon Aug 08 09:55:48 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



Form7  
Continuing Calibration

1117

Data File:  
Method:  
Calibration Name:  
Calibration Date/Time

Compound	Limit	Col	Mr	3G08505.D 8081 CALPEST@100PP 08/10/05 05:31			3G08527.D 8081 CAL PEST@50PPB 08/10/05 12:05			5G03491.D 8081 CAL PEST@100PP 08/08/05 14:15			Conc			Conc		
				Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff	Conc	Exp	%Diff
TCMX-Surrogate	15	1	0	107.7	100	7.7	46.76	50	6.5	107.3	100	7.3						
alpha-BHC	15	1	0	107.6	100	7.6	43.53	50	12.9	113.0	100	13.0						
gamma-BHC	15	1	0	109.2	100	9.2	45.6	50	8.8	111.5	100	11.5						
beta-BHC	15	1	0	106.8	100	6.8	46.6	50	6.8	103.7	100	3.7						
Heptachlor	15	1	0	106	100	6.0	48.68	50	2.6	105.1	100	5.1						
delta-BHC	15	1	0	102.8	100	2.8	43.81	50	12.4	113.4	100	13.4						
Aldrin	15	1	0	112.0	100	12.0	45.42	50	9.2	106.1	100	6.1						
Heptachlor Epoxide	15	1	0	110.7	100	10.7	47.83	50	4.3	110.1	100	10.1						
gamma-chlordane	15	1	0	114.7	100	14.7	46.73	50	6.5	111.3	100	11.3						
alpha-chlordane	15	1	0	111.5	100	11.5	48.36	50	3.3	109	100	9.0						
Endosulfan I	15	1	0	115.8	100	15.8*	46.94	50	6.1	111.6	100	11.6						
p,p'-DDE	15	1	0	113.3	100	13.3	49.27	50	1.5	109.5	100	9.5						
Dieldrin	15	1	0	97.65	100	2.3	47.66	50	4.7	114.6	100	14.6						
Endrin	15	1	0	97.36	100	2.6	48.51	50	3.0	116.1	100	16.1*						
p,p'-DDD	15	1	0	90.93	100	9.1	47.56	50	4.9	112.3	100	12.3						
Endosulfan II	15	1	0	107.1	100	7.1	46.27	50	7.5	112.1	100	12.1						
p,p'-DDT	15	1	0	104.9	100	4.9	40.23	50	19.5*	114.0	100	14.0						
Endrin Aldehyde	15	1	0	96.7	100	3.3	46.18	50	7.6	110.2	100	10.2						
Endosulfan Sulfate	15	1	0	98.3	100	1.7	46.39	50	7.2	111.4	100	11.4						
Methoxychlor	15	1	0	80.59	100	19.4*	43.25	50	13.5	109.6	100	9.6						
Endrin Ketone	15	1	0	93.87	100	6.1	43.19	50	13.6	112.1	100	12.1						
DCB-Surrogate	15	1	0	98.7	100	1.3	46.53	50	6.9	102	100	2.0						
Average Difference	15	1	0			8.0			7.7			10.3						
TCMX-Surrogate	15	2	0	104.7	100	4.7	48.11	50	3.8	104.9	100	4.9						
alpha-BHC	15	2	0	97.97	100	2.0	44.8	50	10.4	106.5	100	6.5						
gamma-BHC	15	2	0	94.59	100	5.4	47.12	50	5.8	105.7	100	5.7						
beta-BHC	15	2	0	105.8	100	5.8	50.5	50	1.0	96.59	100	3.4						
Heptachlor	15	2	0	81.54	100	18.5*	46.11	50	7.8	98.3	100	1.7						
delta-BHC	15	2	0	95.41	100	4.6	48.96	50	2.1	103.9	100	3.9						
Aldrin	15	2	0	99.87	100	0.1	45.7	50	8.6	104.6	100	4.6						
Heptachlor Epoxide	15	2	0	99.57	100	0.4	47.82	50	4.4	104.2	100	4.2						
gamma-chlordane	15	2	0	101.2	100	1.2	47.95	50	4.1	102.7	100	2.7						
alpha-chlordane	15	2	0	108.7	100	8.7	47.76	50	4.5	94.8	100	5.2						
Endosulfan I	15	2	0	101.4	100	1.3	47.29	50	5.4	100.4	100	0.4						
p,p'-DDE	15	2	0	101.8	100	1.8	47.5	50	5.0	104	100	3.9						
Dieldrin	15	2	0	93.41	100	6.6	46.38	50	7.2	114.0	100	14.0						
Endrin	15	2	0	87.84	100	12.2	47.8	50	4.4	117.7	100	17.7*						
p,p'-DDD	15	2	0	84.96	100	15.0	45.1	50	9.8	114.4	100	14.4						
Endosulfan II	15	2	0	99.24	100	0.8	46.25	50	7.5	107.1	100	7.1						
p,p'-DDT	15	2	0	85.85	100	14.2	42.96	50	14.1	105.7	100	5.7						
Endrin Aldehyde	15	2	0	98.17	100	1.8	44.59	50	10.8	102.0	100	2.0						
Endosulfan Sulfate	15	2	0	97.84	100	2.2	46.26	50	7.5	109.1	100	9.1						
Methoxychlor	15	2	0	65.57	100	34.4*	50.2	50	0.4	113.3	100	13.3						
Endrin Ketone	15	2	0	90.92	100	9.1	44.78	50	10.4	108.7	100	8.7						
DCB-Surrogate	15	2	0	94.92	100	5.1	46.12	50	7.8	95.62	100	4.4						
Average Difference	15	2	0			7.1			6.5			6.5						

Flags/Notes:

\* - Values outside of limits for this column/run

Columns: Col1 db-1701 : Col2 db-17

1118

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03491.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03491.D\ECD2B.CH  
 Acq On : 8-8-05 14:15:33 Operator: JK  
 Sample : CAL PEST@100PPB Inst : GC\_5  
 Misc : A,PEST:0.5 Multiplr: 1:00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 14:32 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	824.2E6	715.0E6	107.259	104.869
2) alpha-BHC	8.00	7.62	980.0E6	944.2E6	113.013	106.533
3) gamma-BHC	8.53	8.16	843.7E6	821.9E6	111.539	105.696
4) beta-BHC	9.42	8.24	372.5E6	341.0E6	103.669	96.594
5) Heptachlor	8.80	8.61	640.6E6	571.3E6	105.133	98.297
6) delta-BHC	9.75	8.74	823.5E6	824.9E6	113.409	103.929
7) Aldrin	9.16	9.05	794.9E6	721.6E6	106.061	104.638
8) Heptachlor Epoxi	9.98	9.74	670.6E6	642.0E6	110.101	104.232
9) y-chlordane	10.37	9.94	749.3E6	644.7E6	111.297	102.655
10) a-chlordane	10.43	10.14	721.8E6	590.3E6	108.970	94.796
11) Endosulfan I	10.33	10.19	656.7E6	594.9E6	111.563	100.440
12) p,p'-DDE	10.50	10.41	768.8E6	635.7E6	109.482	103.951
13) Dieldrin	10.76	10.57	571.6E6	596.1E6	114.631m	114.025
14) Endrin	11.00	11.01	522.1E6	501.3E6	116.088m	117.646m
15) p,p'-DDD	11.41	11.07	481.8E6	426.6E6	112.285	114.423
16) Endosulfan II	11.55	11.22	573.2E6	539.2E6	112.136	107.069
17) p,p'-DDT	11.61	11.43	448.5E6	434.2E6	114.026	105.666
18) Endrin Aldehyde	12.03	11.60	337.4E6	408.3E6	110.182	102.011
19) Endosulfan Sulfa	12.37	11.74	507.4E6	489.5E6	111.374	109.049
20) Methoxychlor	12.26	12.42	181.0E6	177.3E6	109.554m	113.265m
21) Endrin Ketone	12.90	12.70	469.5E6	549.1E6	112.055m	108.657
22) DCB-Surrogate	13.90	14.31	702.4E6	592.2E6	101.967	95.622

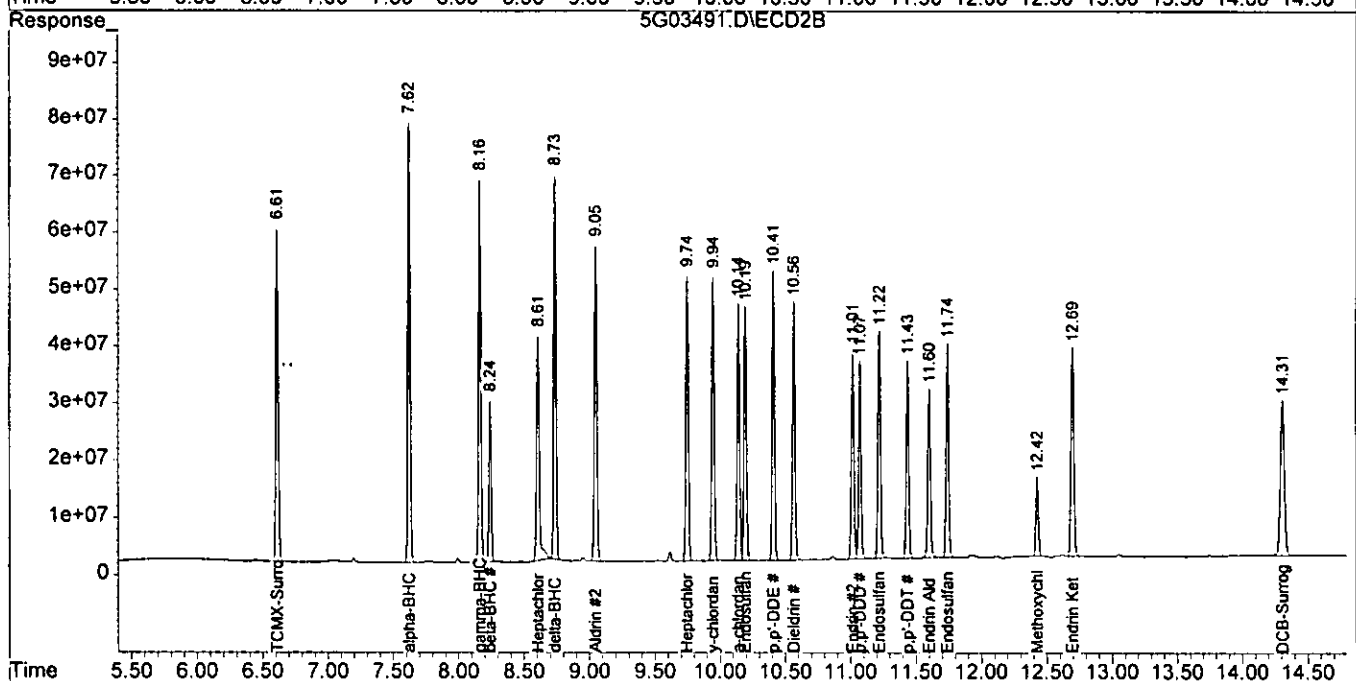
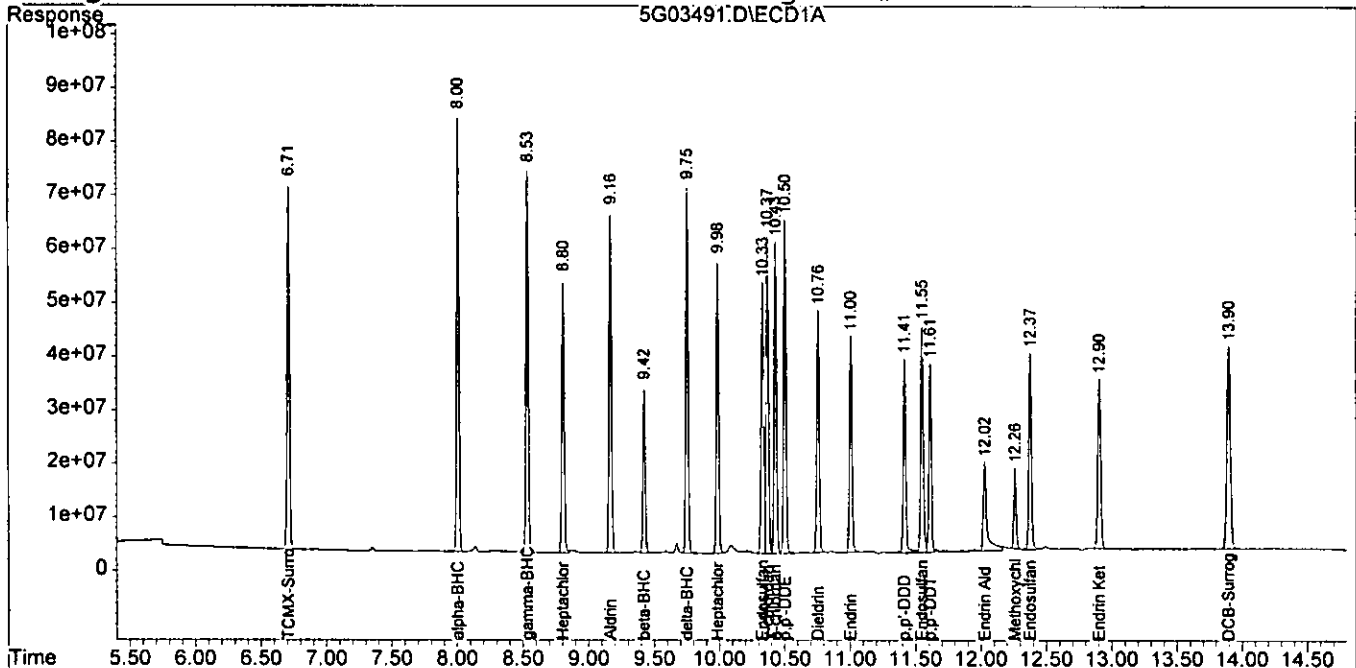
*8/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03491.D\ECD1A.CH Vial: 24  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03491.D\ECD2B.CH 611  
 Acq On : 8-8-05 14:15:33 Operator: JK  
 Sample : CAL PEST@100PPB Inst : GC\_5  
 Misc : A, PEST:0.5 Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 14:32 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08505.D\ECD1A.CH 111  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08505.D\ECD2B.CH 111  
 Acq On : 10 Aug 2005 5:31 Operator: JK  
 Sample : CALPEST@100PPB Inst : GC\_3  
 Misc : S,PEST:0.5 Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 7:21 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.70	2.75	696035	1661388	107.702	104.690
2) alpha-BHC	3.83	3.64	775790	2047671	107.611	97.965
3) gamma-BHC	4.34	4.15	749995	1901858	109.150	94.593
4) beta-BHC	5.23	4.23	460464	1023203	106.800	105.829
5) Heptachlor	4.63	4.58	607328	1597380	105.983	81.541
6) delta-BHC	5.57	4.71	719180	1955410	102.794	95.414
7) Aldrin	5.01	5.03	725407	1961456	112.018	99.872
8) Heptachlor Epoxi	5.85	5.75	690860	1821108	110.721	99.574
9) gamma-chlordane	6.25	5.96	846400	1882718	114.698	101.205
10) alpha-chlordane	6.32	6.17	764908	1721171	111.517	108.711
11) Endosulfan I	6.22	6.22	555910	1977784	115.835	101.349
12) p,p'-DDE	6.42	6.47	774676	1852984	113.287	101.777
13) Dieldrin	6.68	6.62	574624	1657169	97.653	93.413
14) Endrin	6.95	7.11	528767	1342972	97.358	87.844
15) p,p'-DDD	7.41	7.19	477233	1222634	90.928	84.958
16) Endosulfan II	7.54	7.34	651354	1690486	107.117	99.239
17) p,p'-DDT	7.64	7.59	380243	1096692	104.866	85.847
18) Endrin Aldehyde	8.06	7.76	474351	1270516	96.697	98.171
19) Endosulfan Sulfa	8.45	7.92	501632	1486259	98.302	97.843
20) Methoxychlor	8.38	8.71	158080	453271	80.592	65.567
21) Endrin Ketone	9.01	8.97	555369	1705177	93.867	90.916
22) DCB-Surrogate	10.09	10.65	817097	2338193	98.698	94.923

*08/11/05*



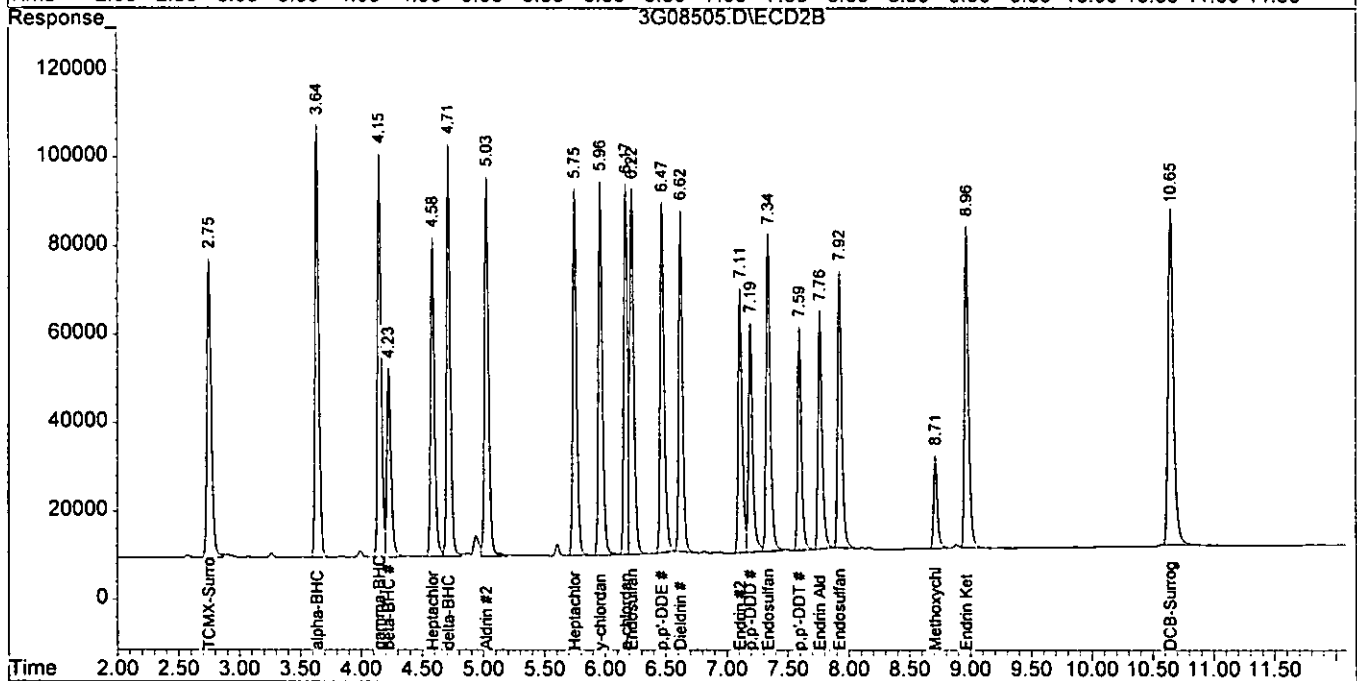
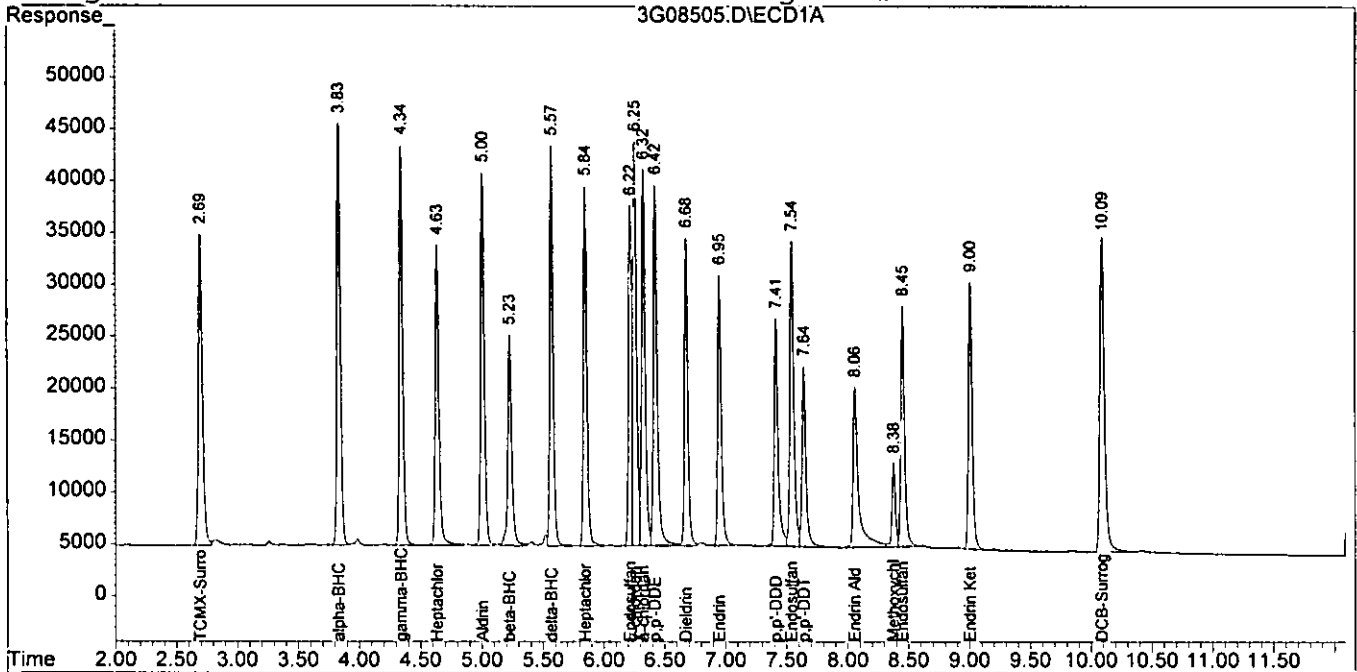
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08505.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08505.D\ECD2B.CH  
 Acq On : 10 Aug 2005 5:31  
 Sample : CALPEST@100PPB  
 Misc : S,PEST:0.5  
 IntFile Signal #1: PEST1.E  
 IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 7:21 2005  
 Quant Results File: 3G\_P0803.RES

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Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701  
 Signal #1 Info : .32  
 Signal #2 Phase : db-608  
 Signal #2 Info : .32



1112

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08527.D\ECD1A.CH Vial: 23  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08527.D\ECD2B.CH  
 Acq On : 10 Aug 2005 12:05 Operator: JK  
 Sample : CAL PEST@50PPB Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 12:41 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.68	2.74	323849	851519	46.756	48.109
2) alpha-BHC	3.83	3.63	324757	962554	43.534	44.803
3) gamma-BHC	4.34	4.15	331681	947295	45.602	47.116
4) beta-BHC	5.22	4.23	223978	539962	46.599	50.498
5) Heptachlor	4.63	4.58	300077	903256	48.681	46.108
6) delta-BHC	5.57	4.71	329138	1003312	43.814	48.956
7) Aldrin	5.00	5.02	306995	897446	45.419	45.696
8) Heptachlor Epoxi	5.84	5.75	298435	874643	47.829	47.823
9) y-chlordane	6.25	5.96	344854	892089	46.732	47.954
10) a-chlordane	6.32	6.17	331738	820775	48.364	47.760
11) Endosulfan I	6.22	6.22	250143	922879	46.935	47.292
12) p,p'-DDE	6.42	6.47	336927	864852	49.271	47.503
13) Dieldrin	6.68	6.62	280453	822762	47.661	46.378
14) Endrin	6.95	7.11	263439	730726	48.505	47.797
15) p,p'-DDD	7.41	7.19	249600	671743	47.557	45.096
16) Endosulfan II	7.54	7.34	281326	787801	46.265	46.248
17) p,p'-DDT	7.64	7.59	138102	542212	40.233	42.962
18) Endrin Aldehyde	8.06	7.76	226536	632780	46.180	44.593
19) Endosulfan Sulfa	8.45	7.92	236704	702677	46.386	46.259
20) Methoxychlor	8.38	8.71	87609	347044	43.246	50.201
21) Endrin Ketone	9.01	8.97	270717	839907	43.185	44.782
22) DCB-Surrogate	10.09	10.65	385176	1136143	46.526	46.123

*08/11/05*

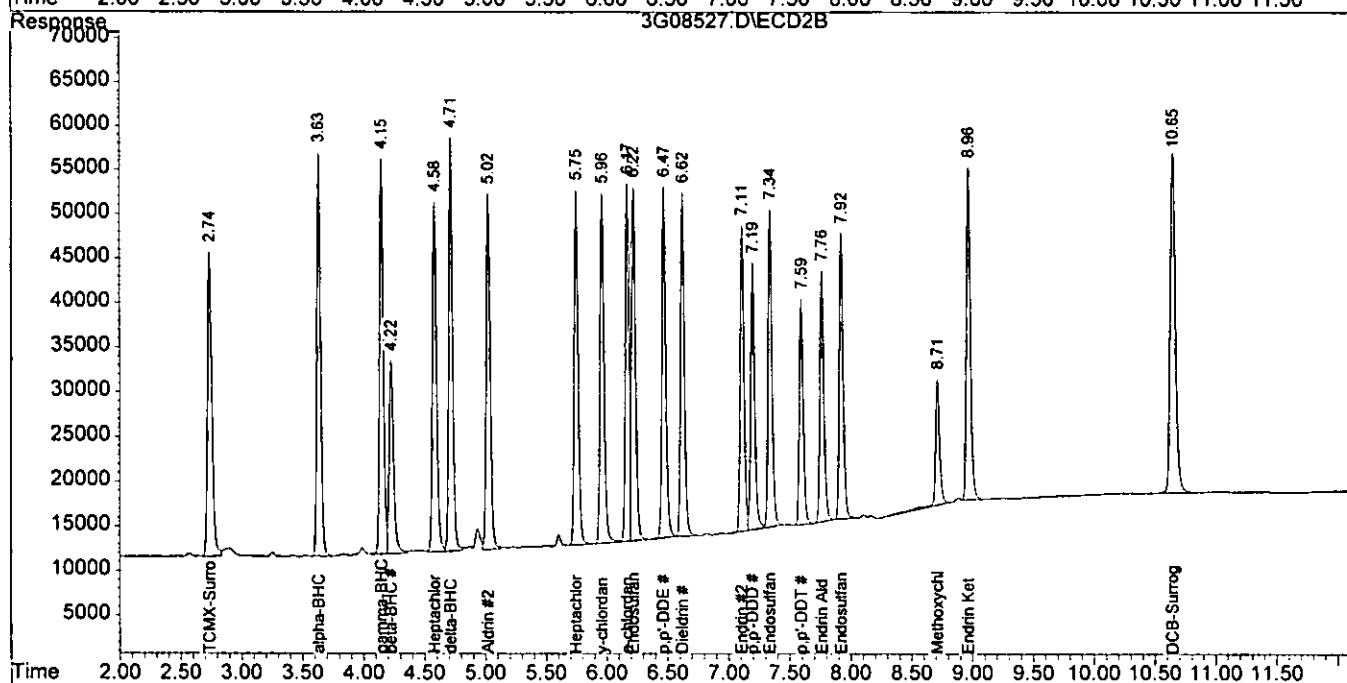
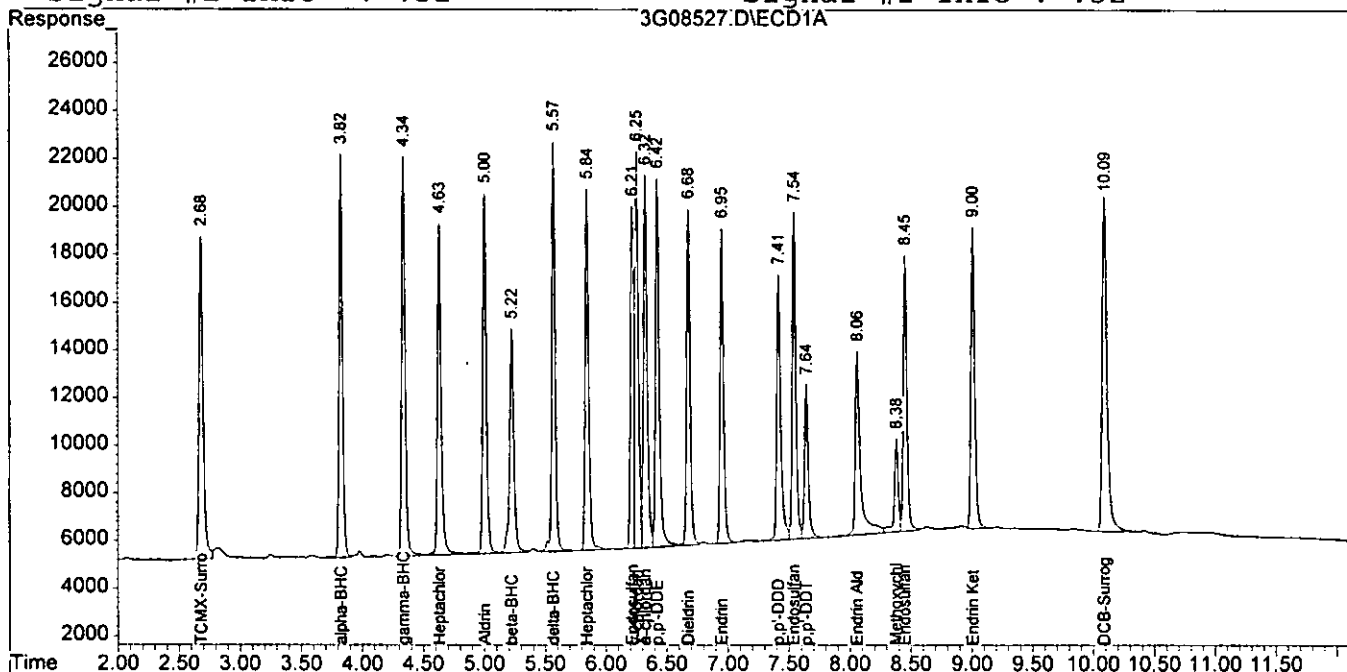
Quantitation Report

111

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08527.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08527.D\ECD2B.CH  
 Acq On : 10 Aug 2005 12:05  
 Sample : CAL PEST@50PPB  
 Misc : S,PEST  
 Operator: JK  
 Inst : GC\_3  
 Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 12:41 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701  
 Signal #1 Info : .32  
 Signal #2 Phase : db-608  
 Signal #2 Info : .32



**GC Pesticide Data**  
**Raw QC Data**

**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: SMB733B  
Client Id:  
Data File: 3G08511.D  
Analysis Date: 08/10/05 07:19  
Date Rec/Extracted: NA-08/09/05

Matrix: Soil  
Initial Vol: 20g  
Final Vol: 10ml  
Dilution: 1  
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.0050	U	7421-93-4	Endrin Aldehyde	0.0050	U
319-84-6	alpha-BHC	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
319-85-7	beta-BHC	0.0050	U	58-89-9	gamma-BHC	0.0050	U
57-74-9	Chlordane	0.010	U	76-44-8	Heptachlor	0.0050	U
319-86-8	delta-BHC	0.0050	U	1024-57-3	Heptachlor Epoxide	0.0050	U
60-57-1	Dieldrin	0.0050	U	72-43-5	Methoxychlor	0.0050	U
959-98-8	Endosulfan I	0.0050	U	72-54-8	p,p'-DDD	0.0050	U
33213-65-9	Endosulfan II	0.0050	U	72-55-9	p,p'-DDE	0.0050	U
1031-07-8	Endosulfan Sulfate	0.0050	U	50-29-3	p,p'-DDT	0.0050	U
72-20-8	Endrin	0.0050	U	8001-35-2	Toxaphene	0.025	U

Worksheet #: 18123

**Total Target Concentration 0**

*U - Indicates the compound was analyzed but not detected.  
B - Indicates the analyte was found in the blank as well as in the sample.  
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out  
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.*

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08511.D\ECD1A.CH 1  
8  
7  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08511.D\ECD2B.CH  
 Acq On : 10 Aug 2005 7:19 Operator: JK  
 Sample : SMB733B Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 7:30 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	534226	1282581	80.845	78.225
22) DCB-Surrogate	10.09	10.65	629206	1822214	76.002	73.976

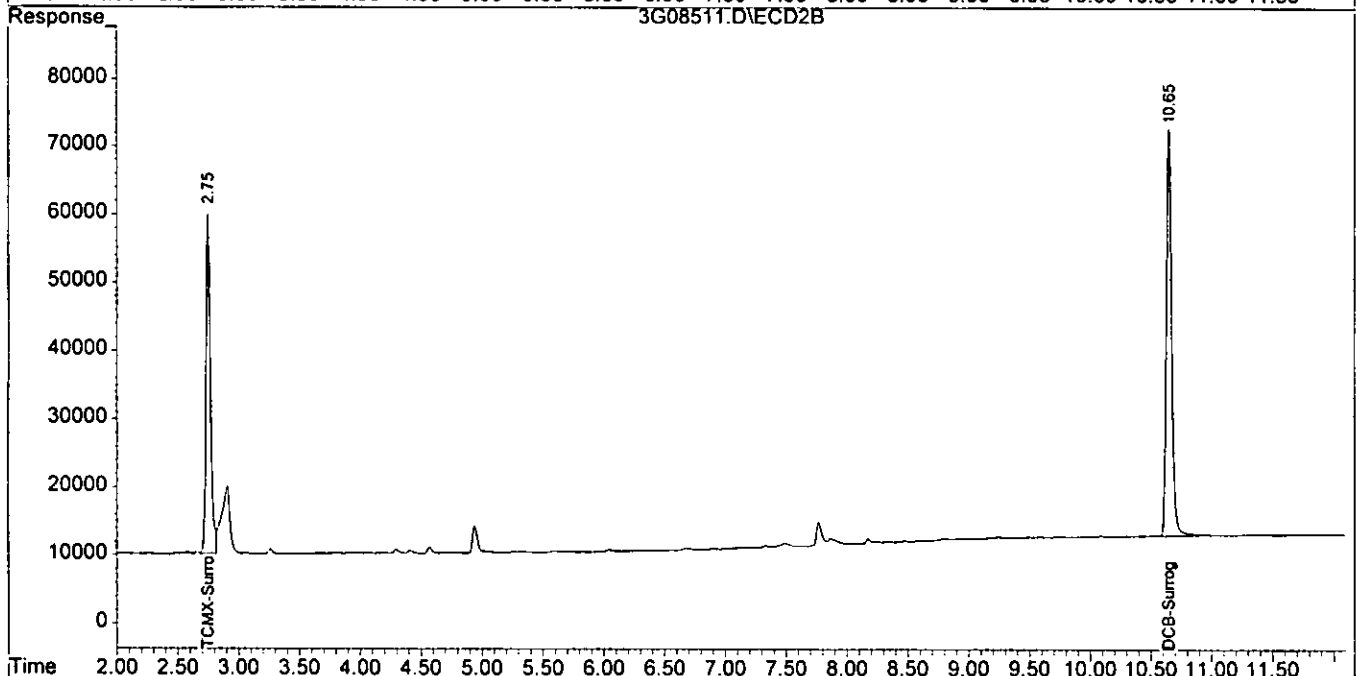
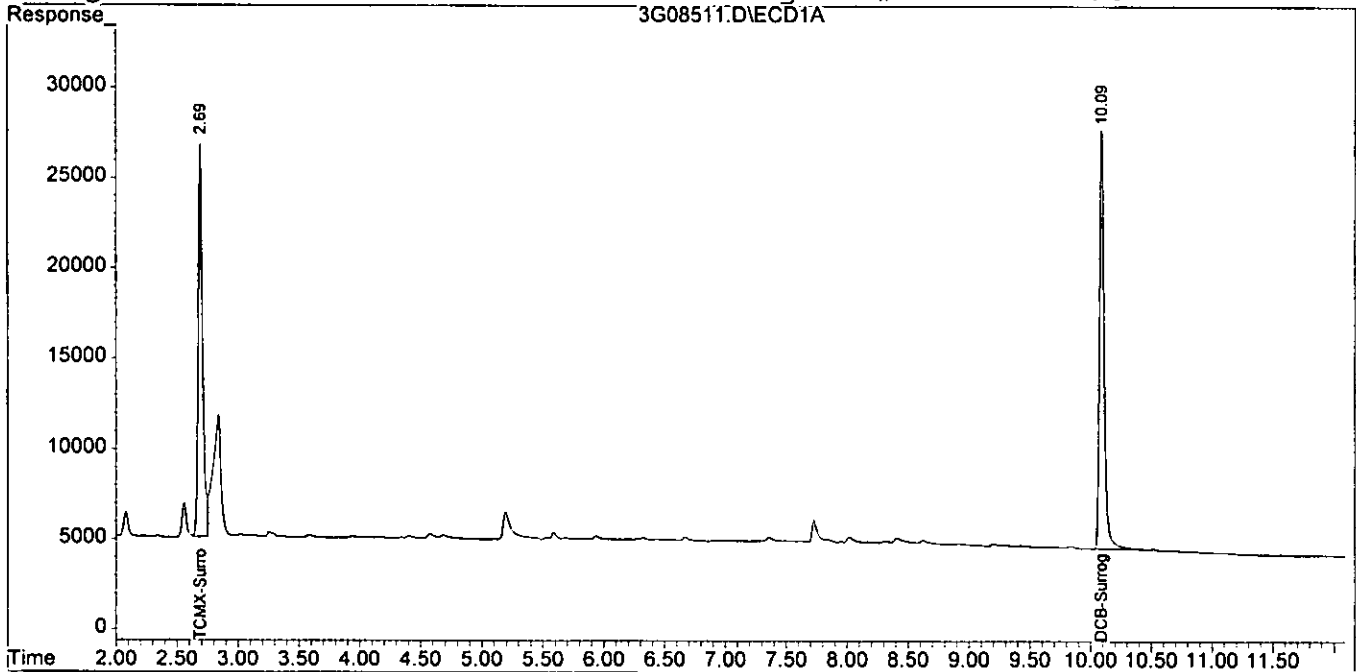
*OP/11/06*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08511.D\ECD1A.CH 1117  
1127 Val: 8  
Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08511.D\ECD2B.CH  
Acq On : 10 Aug 2005 7:19 Operator: JK  
Sample : SMB733B Inst : GC\_3  
Misc : S,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 10 7:30 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC\DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
Title : @GC\_3,ug,608,8081  
Last Update : Wed Aug 03 13:24:25 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



**Form1**  
ORGANICS PESTICIDE REPORT

Sample Number: WMB2310  
Client Id:  
Data File: 5G03478.D  
Analysis Date: 08/08/05 10:01  
Date Rec/Extracted: NA-08/05/05

Matrix: Aqueous  
Initial Vol: 1000ml  
Final Vol: 5ml  
Dilution: 1  
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
309-00-2	Aldrin	0.050	U	7421-93-4	Endrin Aldehyde	0.050	U
319-84-6	alpha-BHC	0.050	U	53494-70-5	Endrin Ketone	0.050	U
319-85-7	beta-BHC	0.050	U	58-89-9	gamma-BHC	0.050	U
57-74-9	Chlordane	0.10	U	76-44-8	Heptachlor	0.050	U
319-86-8	delta-BHC	0.050	U	1024-57-3	Heptachlor Epoxide	0.050	U
60-57-1	Dieldrin	0.050	U	72-43-5	Methoxychlor	0.050	U
959-98-8	Endosulfan I	0.050	U	72-54-8	p,p'-DDD	0.050	U
33213-65-9	Endosulfan II	0.050	U	72-55-9	p,p'-DDE	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U	50-29-3	p,p'-DDT	0.050	U
72-20-8	Endrin	0.050	U	8001-35-2	Toxaphene	0.25	U

Worksheet #: 18123

**Total Target Concentration 0**

*U* - Indicates the compound was analyzed but not detected.  
*B* - Indicates the analyte was found in the blank as well as in the sample.  
*E* - Indicates the analyte concentration exceeds the calibration range of the instrument.

*R* - Retention Time Out  
*J* - Indicates an estimated value when a compound is detected at less than the specified detection limit.



111  
4

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03478.D\ECD1A.CH Vial: 12  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03478.D\ECD2B.CH  
 Acq On : 8-8-05 10:01:30 Operator: JK  
 Sample : WMB2310 Inst : GC\_5  
 Misc : A,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 10:20 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	639.2E6	549.5E6	83.178	80.596
22) DCB-Surrogate	13.89	14.31	320.4E6	269.8E6	46.515	43.565

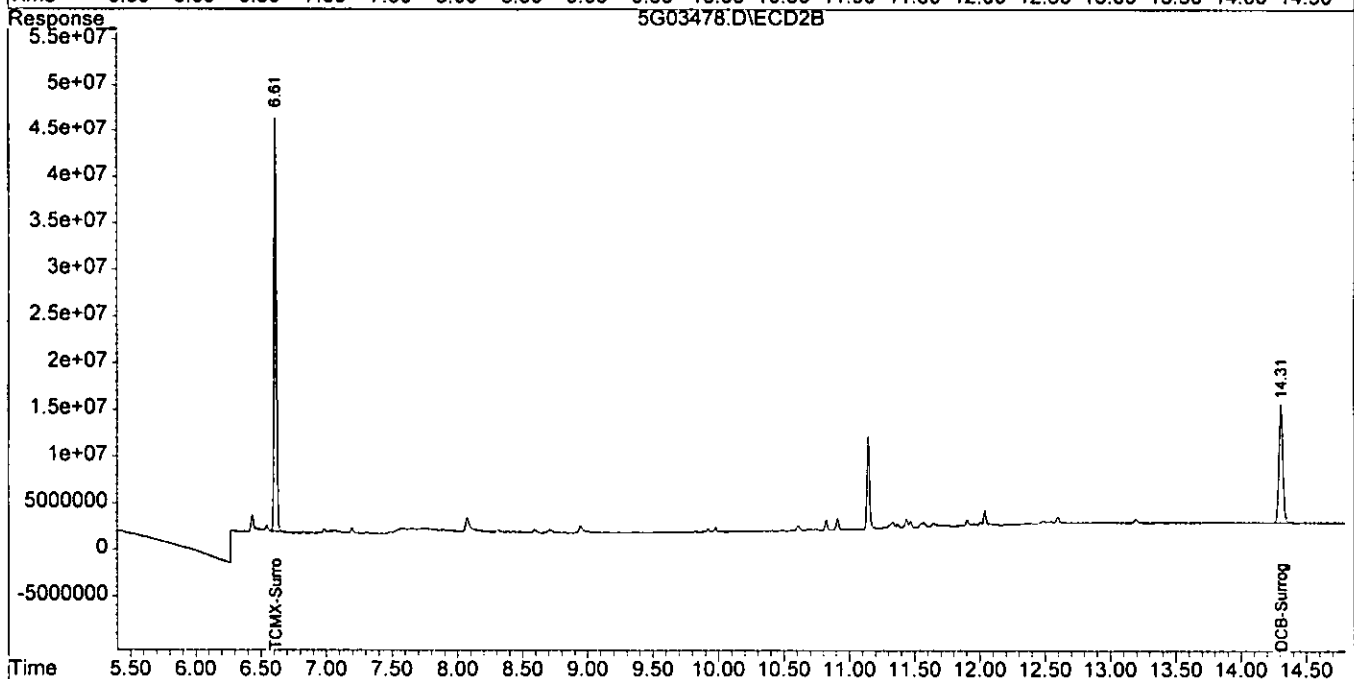
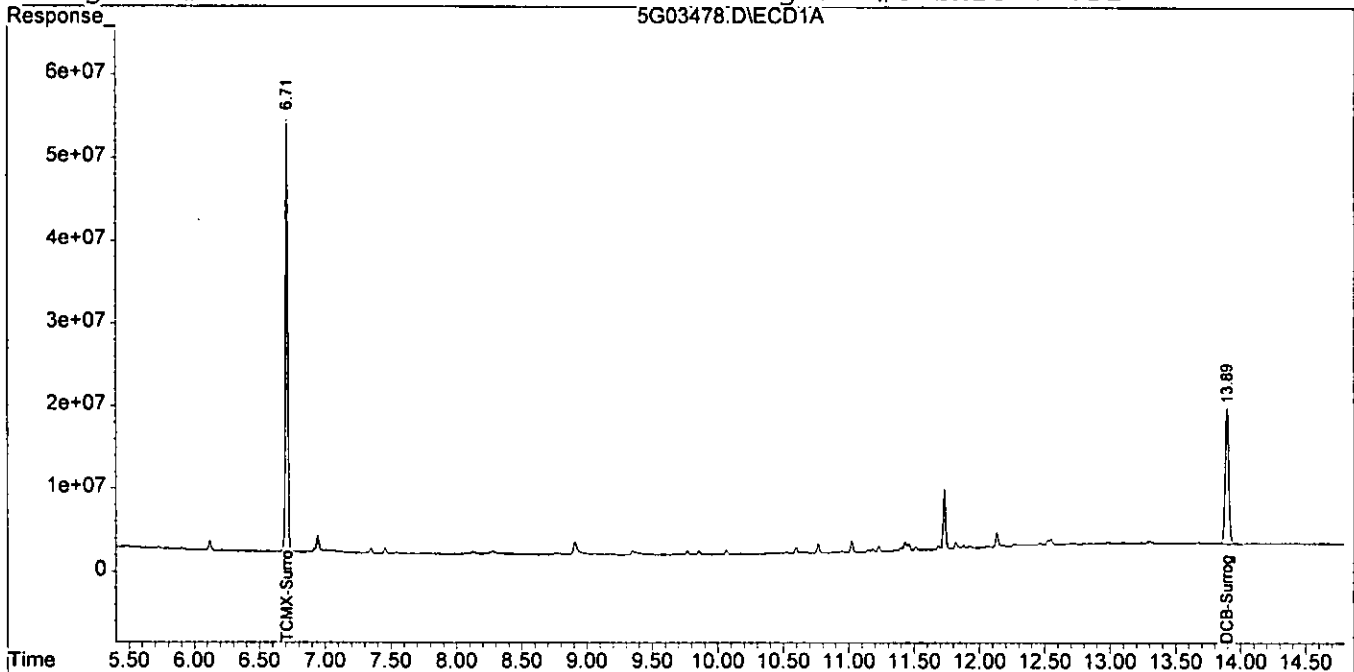
*08/11/05*

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03478.D\ECD1A.CH Vial: 12  
Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03478.D\ECD2B.CH Vial: 0  
Acq On : 8-8-05 10:01:30 Operator: JK  
Sample : WMB2310 Inst : GC\_5  
Misc : A,PEST Multiplr: 1.00  
IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
Quant Time: Aug 8 10:20 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GCDATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
Title : @GC\_5,ug,608,8081  
Last Update : Mon Aug 08 09:57:52 2005  
Response via : Multiple Level Calibration  
DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
Signal #1 Info : .32 Signal #2 Info : .32



Data File:  $\Rightarrow$   
Data/Batch/Sample ID:  $\Rightarrow$   
Date/Time:  $\Rightarrow$

Compound	Limit(s)				Conc %			Conc %			Conc %			Conc %		
	Soil		Col	Mr	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec	Conc	Exp	Rec
	Aq															
Aldrin	40-120		1	0	102.5	100	102									
Dieldrin	52-126		1	0	117.2	100	117									
Endrin	56-121		1	0	117	100	117									
gamma-BHC	56-123		1	0	103.4	100	103									
Heptachlor	40-131		1	0	101.1	100	101									
p,p'-DDT	38-127		1	0	116.1	100	116									

111  
2

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03479.D\ECD1A.CH Mial: 13  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03479.D\ECD2B.CH  
 Acq On : 8-8-05 10:20:26 Operator: JK  
 Sample : WMB2310(MS) Inst : GC\_5  
 Misc : A,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 11:02 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	6.71	6.61	636.8E6	550.1E6	82.871	80.692
2) alpha-BHC	8.00	7.62	883.5E6	872.3E6	101.881	98.418
3) gamma-BHC	8.53	8.16	781.8E6	774.1E6	103.357	99.552
4) beta-BHC	9.42	8.24	366.7E6	337.2E6	102.039	95.536
5) Heptachlor	8.80	8.61	615.8E6	549.3E6	101.074	94.517
6) delta-BHC	9.75	8.74	586.1E6	620.8E6	80.715	78.214
7) Aldrin	9.16	9.05	768.0E6	686.0E6	102.463	99.466
8) Heptachlor Epoxi	9.98	9.75	656.4E6	648.7E6	107.767	105.319
11) Endosulfan I	10.33	10.19	653.4E6	605.5E6	111.007	102.229
12) p,p'-DDE	10.50	10.41	752.9E6	641.4E6	107.208	104.871
13) Dieldrin	10.76	10.57	584.3E6	572.4E6	117.187	109.499
14) Endrin	11.00	11.02	526.0E6	483.0E6	116.957	113.363
15) p,p'-DDD	11.41	11.07	460.5E6	410.0E6	107.318	109.978
16) Endosulfan II	11.55	11.22	573.4E6	541.9E6	112.177	107.610
17) p,p'-DDT	11.61	11.43	456.6E6	481.2E6	116.084	117.108
18) Endrin Aldehyde	12.02	11.60	302.8E6	421.7E6	98.899	105.359
19) Endosulfan Sulfa	12.37	11.74	468.1E6	466.6E6	102.733	103.966
20) Methoxychlor	12.26	12.43	206.1E6	181.8E6	124.767	116.130
21) Endrin Ketone	12.90	12.70	446.2E6	546.8E6	106.492	108.201
22) DCB-Surrogate	13.89	14.31	366.0E6	311.1E6	53.136	50.230

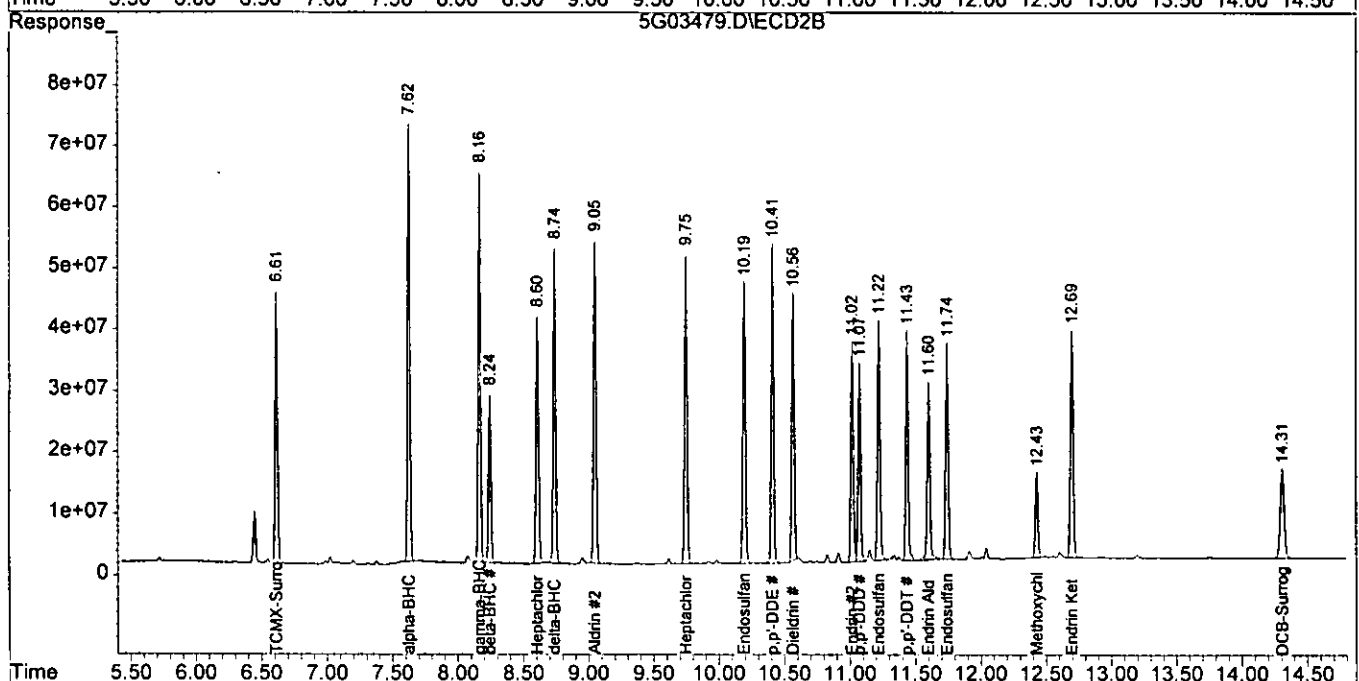
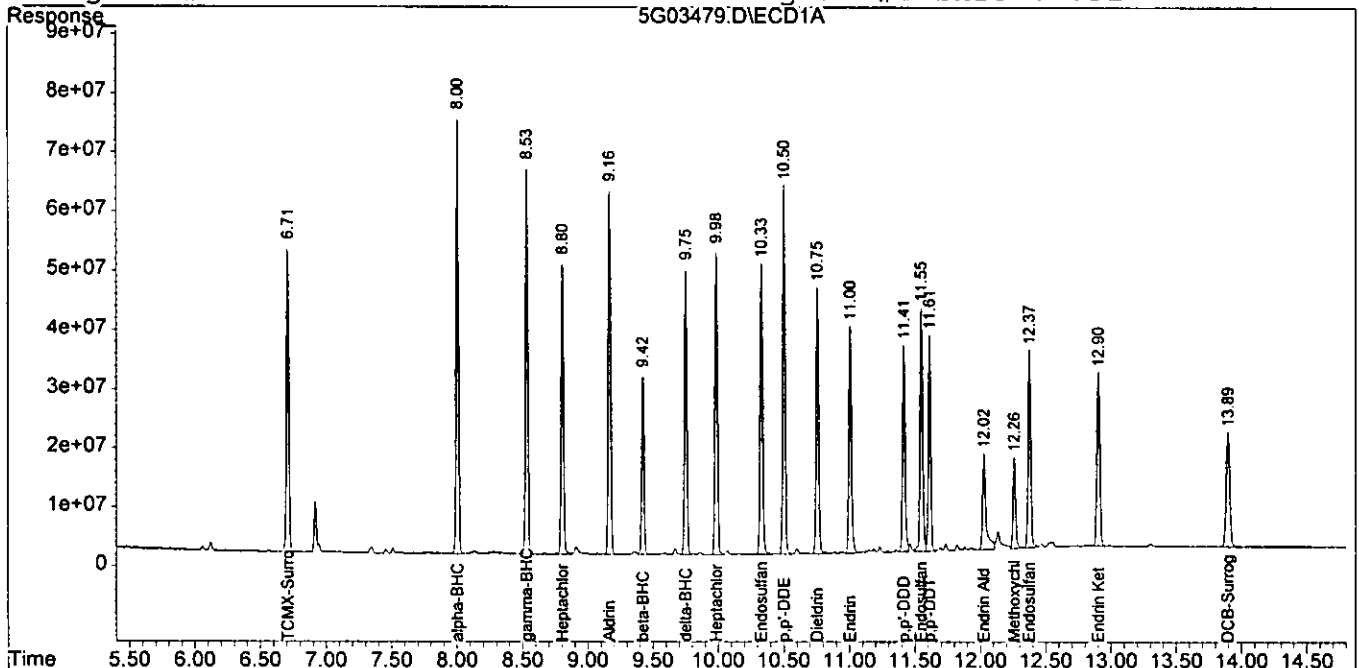
08/11/05

Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03479.D\ECD1A.CH Signal: 13  
 Signal #2 : G:\Gcdata\2005\Gc\_5\Data\08-08-05\5G03479.D\ECD2B.CH Signal: 13  
 Acq On : 8-8-05 10:20:26 Operator: JK  
 Sample : WMB2310(MS) Inst : GC\_5  
 Misc : A,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 8 11:02 2005 Quant Results File: 5G\_P0808.RES

Quant Method : G:\GC DATA\2005\GC\_5\METHODS\5G\_P0808.M (Chemstation Integr  
 Title : @GC\_5,ug,608,8081  
 Last Update : Mon Aug 08 09:57:52 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 5G\_8081.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32



**FORM 3**  
Spike Recovery

1134

Batch Number: SMB733B

Mbs File: 3G08512.D

Mbs Name: SMB733B(MS)

Non Spk'd File: 3G08513.D

Ns Name: AC18916-008

Spike File: 3G08514.D

Ms Name: AC18916-009(MS)

Spike Dup File: 3G08515.D

Msd Name: AC18916-010(MSD)

Matrix: Soil

Method: 8081

Compound	Col	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
gamma-BHC	1	0	100	46	127	50	88.57	0.00	91.04	84.37	89	91	84	7.6
Heptachlor	1	0	100	35	130	31	95.87	0.00	98.36	90.03	96	98	90	8.8
Aldrin	1	0	100	34	132	43	89.86	0.00	93.63	83.83	90	94	84	11
Dieldrin	1	0	100	31	134	38	91.54	0.00	100.01	77.70	92	100	78	25
Endrin	1	0	100	42	139	45	91.42	0.00	106.50	117.53	91	107	118	9.8
p,p'-DDT	1	0	100	23	134	50	91.83	0.00	93.74	82.21	92	94	82	13

**Note:**

Rp = Failed Rpd Criteria

Mo = Failed Recovery Criteria

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

115

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08512.D\ECD1A.CH Mial: 9  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08512.D\ECD2B.CH  
 Acq On : 10 Aug 2005 7:36 Operator: JK  
 Sample : SMB733B(MS) Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 7:46 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	522313	1267251	78.890	77.154
2) alpha-BHC	3.83	3.64	602516	1629585	82.994	77.483
3) gamma-BHC	4.34	4.15	614534	1588172	88.572	78.991
4) beta-BHC	5.22	4.23	403180	890942	91.812	90.685
5) Heptachlor	4.63	4.58	553121	1507949	95.873	76.976
6) delta-BHC	5.57	4.71	435452	1228835	59.891	59.961
7) Aldrin	5.00	5.02	586191	1572131	89.859	80.049
8) Heptachlor Epoxi	5.84	5.75	577925	1541629	92.622	84.292
11) Endosulfan I	6.21	6.22	551918	1474689	114.936	75.569 #
12) p,p'-DDE	6.42	6.47	637206	1556542	93.184	85.495
13) Dieldrin	6.67	6.62	538659	1496682	91.541	84.367
14) Endrin	6.95	7.11	496505	1256223	91.418	82.170
15) p,p'-DDD	7.41	7.19	447384	1188553	85.241	82.492
16) Endosulfan II	7.54	7.34	545681	1398098	89.739	82.075
17) p,p'-DDT	7.64	7.59	331410	1030077	91.831	80.695
18) Endrin Aldehyde	8.06	7.76	403753	1063759	82.305	80.801
19) Endosulfan Sulfa	8.45	7.92	420409	1181866	82.385	77.805
20) Methoxychlor	8.38	8.71	161057	520147	82.170	75.241
21) Endrin Ketone	9.00	8.96	514938	1496255	86.668	79.777
22) DCB-Surrogate	10.09	10.65	677275	1917493	81.809	77.844

08/11/05

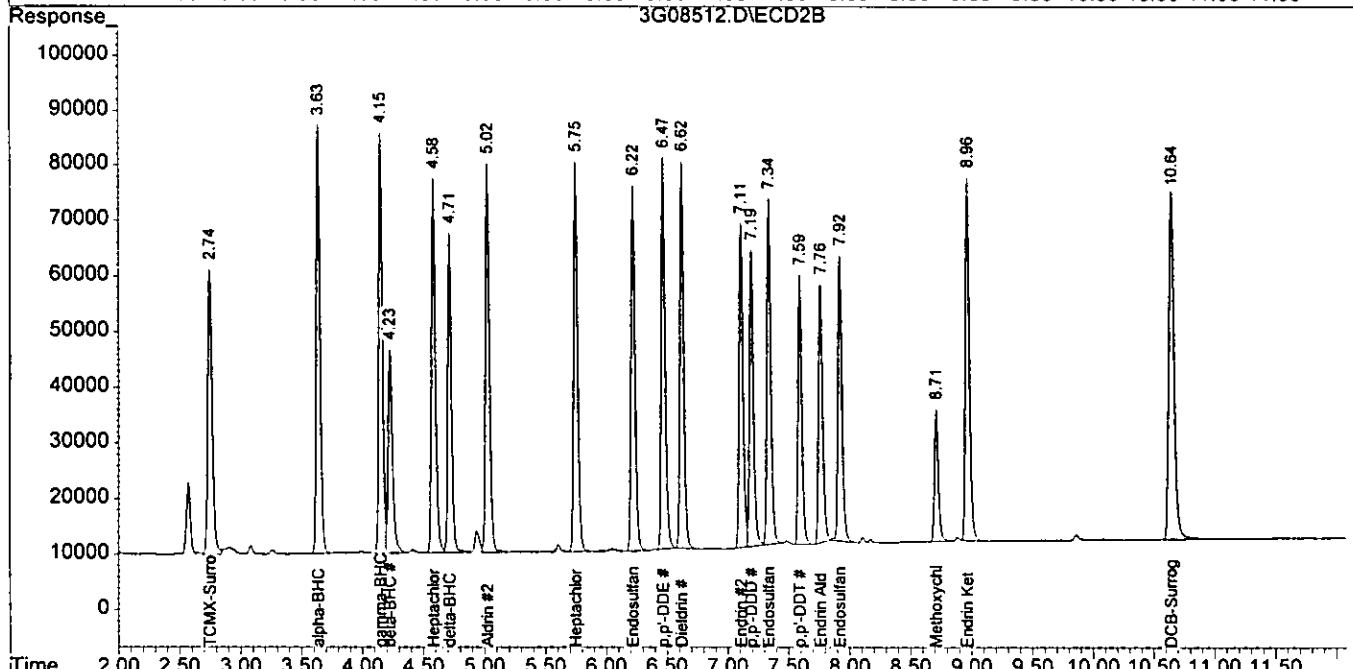
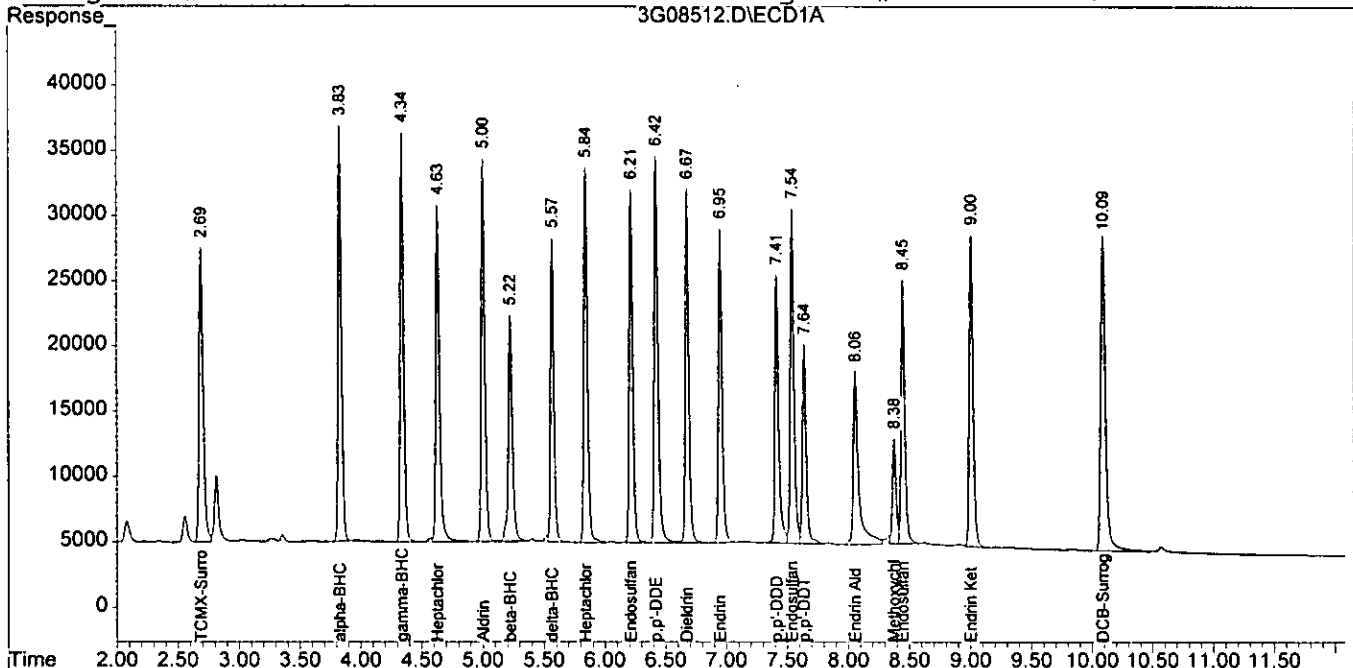
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08512.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08512.D\ECD2B.CH  
 Acq On : 10 Aug 2005 7:36  
 Sample : SMB733B(MS)  
 Misc : S,PEST  
 IntFile Signal #1: PEST1.E  
 IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 7:46 2005  
 Quant Results File: 3G\_P0803.RES

1  
3  
5

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701  
 Signal #1 Info : .32  
 Signal #2 Phase: db-608  
 Signal #2 Info : .32





1127

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08514.D\ECD1A.CH Signal: 11  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08514.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:08 Operator: JK  
 Sample : AC18916-009 (MS:AC18916-008) Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 8:18 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
-----						
Target Compounds						
1) TCMX-Surrogate	2.69	2.75	529846	1264514	80.126	76.962
2) alpha-BHC	3.83	3.64	632033	1682701	87.187	80.085
3) gamma-BHC	4.34	4.15	630804	1633507	91.043	81.246
4) beta-BHC	5.22	4.23	409877	924654	93.550	94.545
5) Heptachlor	4.63	4.58	566454	1555145	98.360	79.385
6) delta-BHC	5.57	4.71	452380	1261794	62.450	61.569
7) Aldrin	5.00	5.03	609898	1568668	93.632	79.872
8) Heptachlor Epoxi	5.84	5.75	601061	1572368	96.330	85.973
11) Endosulfan I	6.22	6.22	592914	1494397	124.173	76.579 #
12) p,p'-DDE	6.42	6.47	683414	1611575	99.941	88.517
13) Dieldrin	6.68	6.62	588478	1620069	100.007	91.322
14) Endrin	6.95	7.11	578408	1333889	106.498	87.250
15) p,p'-DDD	7.41	7.19	501433	1276076	95.539	88.825
16) Endosulfan II	7.54	7.34	584621	1447833	96.143	84.995
17) p,p'-DDT	7.64	7.59	338560	1124158	93.740	87.971
18) Endrin Aldehyde	8.06	7.76	407869	998966	83.145	75.357
19) Endosulfan Sulfa	8.45	7.92	435254	1191734	85.294	78.454
20) Methoxychlor	8.38	8.71	165353	535009	84.447	77.391
21) Endrin Ketone	9.00	8.97	570325	1523160	96.529	81.212
22) DCB-Surrogate	10.09	10.65	670840	2364630	81.031	95.996

08/11/01

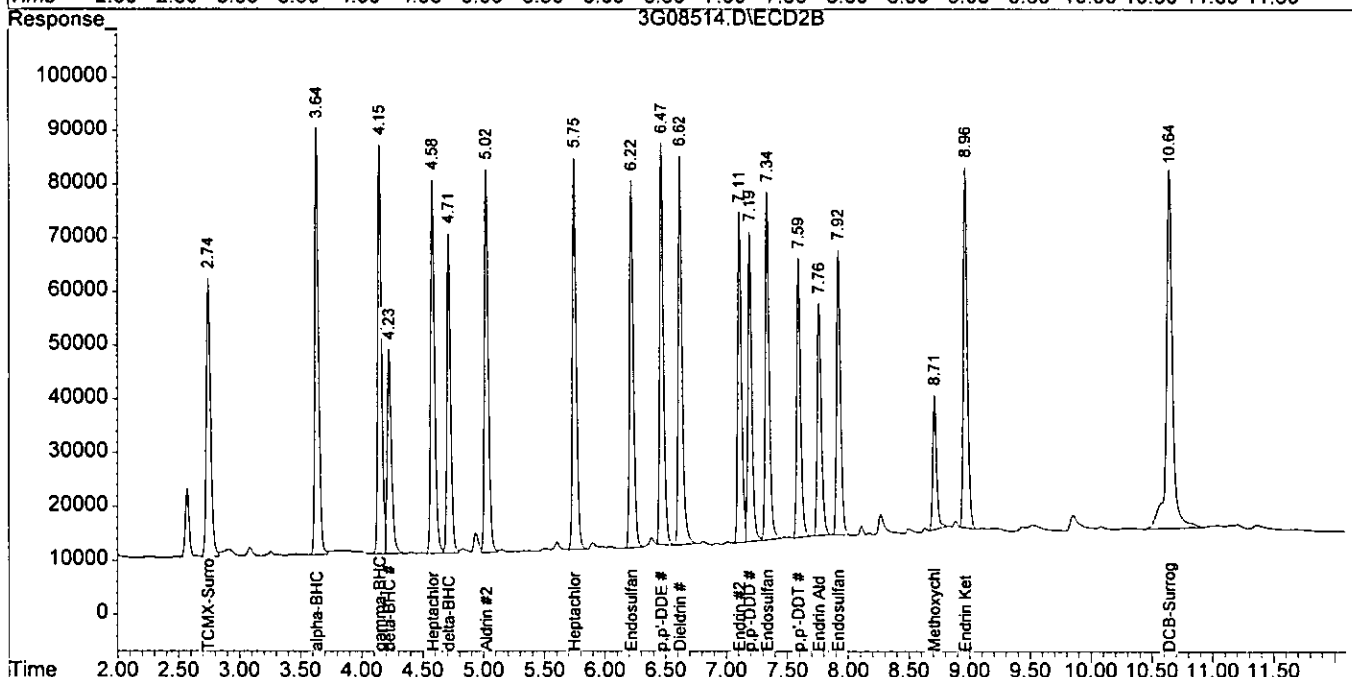
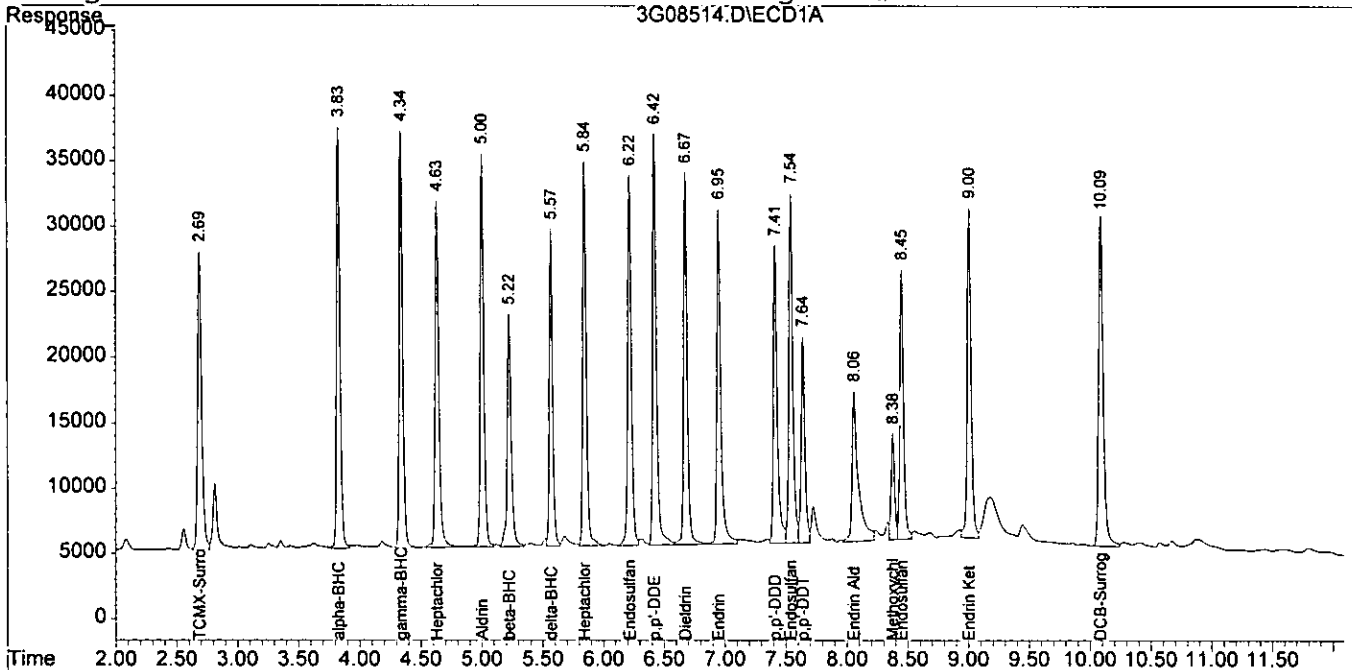
Quantitation Report

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08514.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08514.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:08  
 Sample : AC18916-009 (MS:AC18916-008)  
 Misc : S,PEST  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 8:18 2005 Quant Results File: 3G\_P0803.RES

111  
8

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701  
 Signal #1 Info : .32  
 Signal #2 Phase : db-608  
 Signal #2 Info : .32



111  
619

Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08515.D\ECD1A.CH Mial: 12  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08515.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:25 Operator: JK  
 Sample : AC18916-010 (MSD:AC18916-008) Inst : GC\_3  
 Misc : S,PEST Multiplr: 1.00  
 IntFile Signal #1: PEST1.E IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 8:48 2005 Quant Results File: 3G\_P0803.RES

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Initial Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701 Signal #2 Phase: db-608  
 Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1) TCMX-Surrogate	2.69	2.74	480692	1109548	72.084	66.136
2) alpha-BHC	3.83	3.63	594965	1437199	81.921	68.057
3) gamma-BHC	4.34	4.15	586897	1418510	84.373	70.553
4) beta-BHC	5.22	4.22	414176	997198	94.667	102.851
5) Heptachlor	4.63	4.58	521791	1435286	90.030	73.267
6) delta-BHC	5.57	4.71	417027	1040374	57.104m	50.765
7) Aldrin	5.00	5.02	548322	1625605	83.831m	82.771
8) Heptachlor Epoxi	5.84	5.75	558469	1406309	89.503m	76.893
11) Endosulfan I	6.21	6.22	501843	1226205	103.652m	62.836 #
12) p,p'-DDE	6.42	6.47	821236	1379567	120.096m	75.774 #
13) Dieldrin	6.67	6.62	457215	1118708	77.700m	63.061
14) Endrin	6.95	7.11	638327	1338175	117.530m	87.531 #
15) p,p'-DDD	7.41	7.19	467200	1067651	89.017m	73.744
16) Endosulfan II	7.54	7.34	513182	1164489	84.395m	68.361
17) p,p'-DDT	7.64	7.59	295383	1960199	82.215m	152.632 #
18) Endrin Aldehyde	8.09	7.76	512508	930178	104.475m	69.578m#
19) Endosulfan Sulfa	8.45	7.92	410573	930875	80.458m	61.281
20) Methoxychlor	8.37	8.71	146438	412522	74.422m	59.672
21) Endrin Ketone	9.00	8.96	532528	1276051	89.800m	68.036
22) DCB-Surrogate	10.09	10.65	573563	1748084	69.281m	70.966

*08/11/05*

Quantitation Report

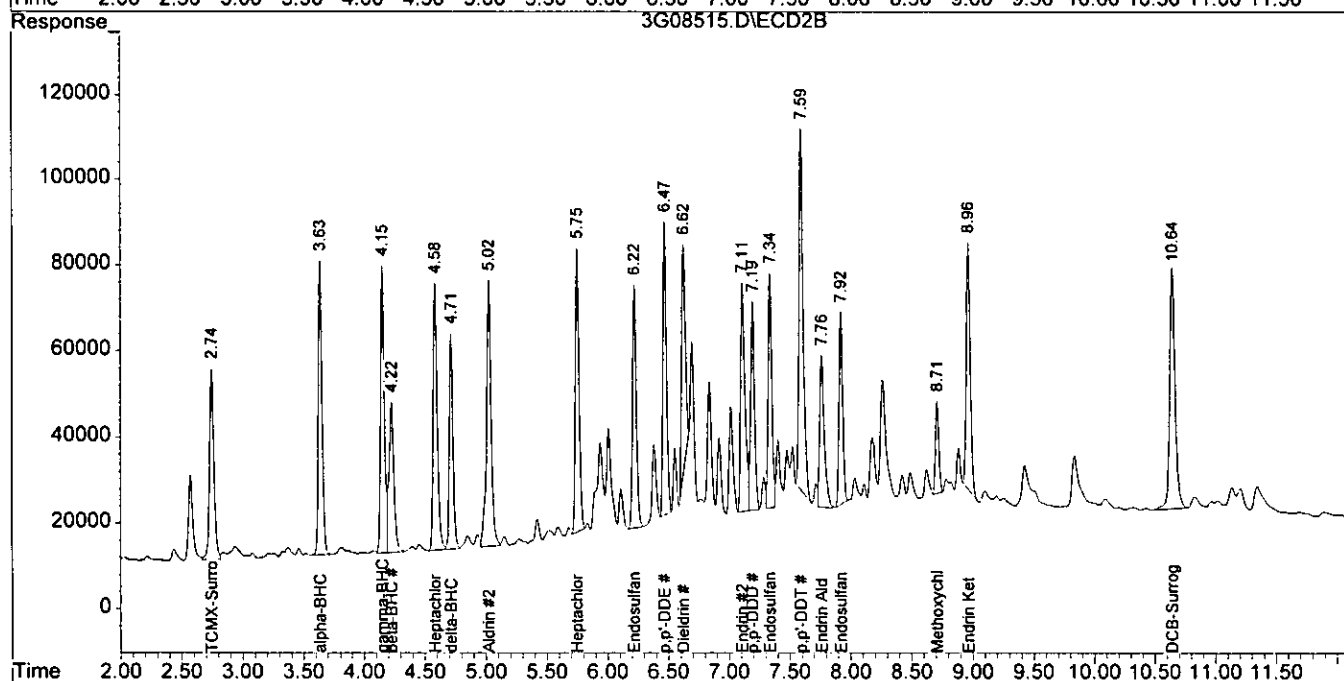
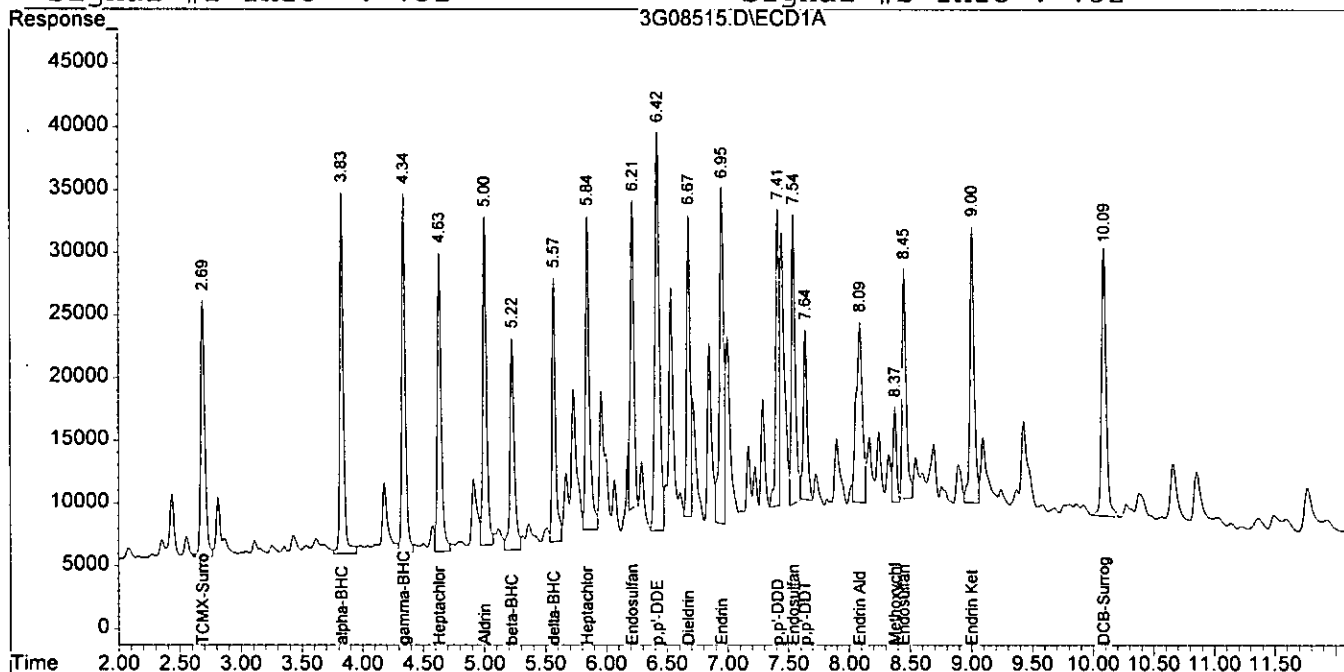
Signal #1 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08515.D\ECD1A.CH  
 Signal #2 : G:\Gcdata\2005\Gc\_3\Data\08-10-05\3G08515.D\ECD2B.CH  
 Acq On : 10 Aug 2005 8:25  
 Sample : AC18916-010 (MSD:AC18916-008)  
 Misc : S,PEST  
 IntFile Signal #1: PEST1.E  
 IntFile Signal #2: Pest2.e  
 Quant Time: Aug 10 8:48 2005  
 Quant Results File: 3G\_P0803.RES

Serial: 12

Operator: JK  
 Inst : GC\_3  
 Multiplr: 1.00

Quant Method : G:\GC DATA\2005\GC\_3\METHODS\3G\_P0803.M (Chemstation Integr  
 Title : @GC\_3,ug,608,8081  
 Last Update : Wed Aug 03 13:24:25 2005  
 Response via : Multiple Level Calibration  
 DataAcq Meth : 3G\_808R.M

Volume Inj. : 1ul  
 Signal #1 Phase : db-1701  
 Signal #1 Info : .32  
 Signal #2 Phase: db-608  
 Signal #2 Info : .32



**GC Pesticide Data  
Extraction/Logbook Data**

# RUN LOG

Instrument: GC\_3 Year: 2005

Analyst: JK

8000

Beg

Cal

End

Cal

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
3G08327	CAL EVAL	Is			Soil	1	1	8081	08/03 10:00	3G08334				
3G08328	CAL PEST@2PPB		IsC16C26C18C28		Soil	1	1	608 8081	08/03 10:16	3G08036				
3G08329	CAL PEST@10PPB				Soil	1	1	608 8081	08/03 10:33	3G08334				
3G08330	CAL PEST@50PPB				Soil	1	1	608 8081	08/03 10:53	3G08334				
3G08331	CAL PEST@100PPB				Soil	1	1	608 8081	08/03 11:09	3G08334				
3G08332	CAL PEST@200PPB				Soil	1	1	608 8081	08/03 11:25	3G08334				
3G08333	CAL PEST@400PPB				Soil	1	1	608 8081	08/03 11:42	3G08334				
3G08334	CAL PEST@2PPB				Soil	1	1	608 8081	08/03 11:58	3G08334				
3G08335	CAL CHLOR@100PPB				Soil	1	1	608 8081	08/03 12:15	3G08334				
3G08336	CAL TOXAPH@500PP				Soil	1	1	608 8081	08/03 12:31	3G08334				
3G08337	test	S6S8			Aqueou	1	1	608 8081	08/03 12:48	3G08334	3G08334	3G08334	3G08345	
3G08338	2305(MS)				Aqueou	1	1	608 8081	08/03 13:04	3G08334	3G08334	3G08334	3G08345	
3G08339	18808-001(MS)(T)				Aqueou	1	1	608 8081	08/03 13:21	3G08334	3G08334	3G08334	3G08345	
3G08340	18808-001(MSD)(T)				Aqueou	1	1	608 8081	08/03 13:37	3G08334	3G08334	3G08334	3G08345	
3G08341	PEST SPK	S6S8			Aqueou	1	1	608 8081	08/03 13:53	3G08334	3G08334	3G08334	3G08345	
3G08342	WMB2305(MS)		WMB2305		Aqueou	1	1	608 8081	08/03 14:27	3G08334	3G08334	3G08334	3G08345	
3G08343	AC18808-001(MS)(T)		WMB2305	PETCLP-808	Aqueou	1	1	608 8081	08/03 14:43	3G08334	3G08334	3G08334	3G08345	
3G08344	AC18808-001(MSD)(TM)16		WMB2305	PETCLP-808	Aqueou	1	1	608 8081	08/03 14:59	3G08334	3G08334	3G08334	3G08345	
3G08345	CAL PEST@100PPB				Aqueou	0.5	1	608 8081	08/03 15:16	3G08334				

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	R16,R26	Rpd Out on MsMsd (col1 and or col2) 600 series
B6m	Blank 8000 series missing	Etn	Tolp/Solvent Extraction Date Missing/Not check'd	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
B8m	Blank 8000 series missing	Eto	Tolp Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate Drift
C16	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	S6	600 series surrogate out
	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	I16,I28	Initial cal 600 series failed Column 1 and or 2	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	Snc	Surrogate Not Checked
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning .Ini cal file <- method..	T15	Outside of 600 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	T16	Outside of 600 series Tune time/Cal Time
D1a,D2a	Drift Out Column 1 or Column 2 Cals or Ini Cals	M16,M26	Spike Out Col 1 and or Col 2 600 series	T18	Outside of 8000 series Tune time/Cal Time
Dnc	Drift Not Checked	M16a,M16b	Spike Out Col 1 600 series Acid and or BN	Tm	Too Many Samples/ for beginning Calibration
Do	Drift Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Tmw	If for 600 ser Too many samples begin Calibration
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Tn	Tune Not Checked
Emp	Problem Checking Prep/rundates modcheckpreprund	Mnc	Spike Not Checked for this ms/msd	To	Tune File Failed
En	Eval Time Not Checked	Loc	Warning Compound(s) Over Calibration	Wie	Warning Instrument Id not in TxtLoc field

# RUN LOG

Instrument: GC\_5 Year: 2005

Analyst: JK

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	End Cal	BlkFile
5G03467	CAL EVAL				Soil	1	1	8081	08/08 05:43	5G03376				
5G03468	CAL PEST@50PPB	C16C26C18C28			Soil	1	1	608 8081	08/08 06:51	5G03376				
5G03469	CAL PEST@2PPB				Soil	1	1	608 8081	08/08 07:12	5G03469				
5G03470	CAL PEST@10PPB				Soil	1	1	608 8081	08/08 07:30	5G03469				
5G03471	CAL PEST@50PPB				Soil	1	1	608 8081	08/08 07:49	5G03469				
5G03472	CAL PEST@100PPB				Soil	1	1	608 8081	08/08 08:08	5G03469				
5G03473	CAL PEST@200PPB				Soil	1	1	608 8081	08/08 08:27	5G03469				
5G03474	CAL PEST@400PPB				Soil	1	1	608 8081	08/08 08:46	5G03469				
5G03475	CAL CHLOR@100PPB				Soil	1	1	608 8081	08/08 09:05	5G03469				
5G03476	CAL TOXAPH@500PP				Soil	1	1	608 8081	08/08 09:23	5G03469				
5G03477	AC18907-005(T)			PETCLP-808	Aqueou	1	1	8081	08/08 09:42	5G03469		5G03469	5G03491	
5G03478	WMB2310				Aqueou	1	1	608 8081	08/08 10:01	5G03469	5G03469	5G03469	5G03491	
5G03479	WMB2310(MS)		WMB2310		Aqueou	1	1	608 8081	08/08 10:20	5G03469	5G03469	5G03469	5G03491	
5G03480	AC18737-027	Eo		PE-608	Aqueou	1	1	608	08/08 10:39	5G03469	5G03469	5G03469	5G03491	
5G03481	AC18737-025	Eo		PE-608	Aqueou	1	1	608	08/08 10:58	5G03469	5G03469	5G03469	5G03491	
5G03482	AC18737-022	Eo		PE-608	Aqueou	1	1	608	08/08 11:16	5G03469	5G03469	5G03469	5G03491	
5G03483	AC18778-024(R)			PE-8081	Soil	1	1	8081	08/08 11:35	5G03469				
5G03484	AC18737-027(50X)	DoEo		PE-608	Aqueou	50	50	608	08/08 11:54	5G03469	5G03469	5G03469	5G03491	
5G03485	AC18737-025(10X)	Eo		PE-608	Aqueou	10	10	608	08/08 12:13	5G03469	5G03469	5G03469	5G03491	
5G03486	AC18737-034(5X)			PE-8081	Soil	5	5	8081	08/08 12:31	5G03469				
5G03487	AC18888-001			PE-8081	Aqueou	1	1	8081	08/08 12:50	5G03469				
5G03488	AC18916-025			PE-8081	Aqueou	1	1	8081	08/08 13:09	5G03469				
5G03489	AC18873-014			PE-8081	Aqueou	1	1	8081	08/08 13:28	5G03469				
5G03490	100PPB	Tmw			Aqueou	0.5	1	608 8081	08/08 13:47	5G03469	5G03469	5G03469	5G03491	
5G03491	CAL PEST@100PPB	C16C26			Aqueou	0.5	1	608 8081	08/08 14:15	5G03469				

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ac	Area Out	EsM	Solvent Extraction Date Missing/Not check'd	R16,R26	Rpd Out on MsMsd (col1 and or col2) 8000 series
B6m	Blank 8000 series missing	EtM	Tcp/Solvent Extraction Date Missing/Not check'd	R18,R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
B8m	Blank 8000 series missing	Eto	Tcp Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Diff Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can1 Calculate Drift
C16	Calibration Column 1 Out (800 Series)	Hb	Analysis Before Collection Date	S6	800 series surrogate out
	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (800 Series)	I18,I28	Initial cal 800 series failed Column 1 and or 2	Sa8,Sb8	Acid and or BN Surrogate Out (800 series)
	Calibration Column 2 Out (8000 Series)	I18,I28	Initial cal 8000 series failed Column 1 and or 2	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
	800 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for int calibration chek rfs	Snc	Surrogate Not Checked
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <- method..	T5	Outside of 800 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	T6	Outside of 800 series Tune time/Cal Time
D1o,D2o	Drft Out Column 1 or Column 2 Cals or Init Cals	M16,M26	Spike Out Col 1 and or Col 2 800 series	T8	Outside of 8000 series Tune time/Cal Time
Dnc	Drft Not Checked	M16a,M16b	Spike Out Col 1 800 series Acid and or BN	Tm	Too Many Samples/ for beginning Calibration
Do	Drft Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Tmw	If for 800 ser Too many samples begin Calibration
Eba	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Tn	Tune Not Checked
Ebp	Problem Checking Prep/rundates modcheck/preprund	Mnc	Spike Not Checked for this ms/msd	To	Tune File Failed
En	Eval Time Not Checked	Oc	Warning Compound(s) Over Calibration	Wie	Warning Instrument Id not in TxtLoc field

# RUN LOG

Instrument: GC\_3 Year: 2005

Analyst: JK

Data File	Sample Number	Flags	Comments	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date	IniCal	Cal 600	8000 Beg Cal	8000 End Cal	BikFile
3G08504	CAL EVAL				Soil	1	1	8081	08/10 05:14	3G08334				
3G08505	CALPEST@100PPB	C16C26			Soil	0.5	1	608 8081	08/10 05:31	3G08334				
3G08506	SMB732B				Soil	1	1	8081	08/10 05:58	3G08334		3G08505	3G08527	
3G08507	SMB732B(MS)		SMB732B		Soil	1	1	8081	08/10 06:14	3G08334		3G08505	3G08527	
3G08508	AC18825-004			PE-8081	Soil	1	1	8081	08/10 06:30	3G08334		3G08505	3G08527	
3G08509	AC18830-018			PE-8081	Soil	1	1	8081	08/10 06:46	3G08334		3G08505	3G08527	
3G08510	AC18830-021			PE-8081	Soil	1	1	8081	08/10 07:03	3G08334		3G08505	3G08527	
3G08511	SMB733B				Soil	1	1	8081	08/10 07:19	3G08334		3G08505	3G08527	
3G08512	SMB733B(MS)		SMB733B		Soil	1	1	8081	08/10 07:36	3G08334		3G08505	3G08527	
3G08513	AC18916-008		SMB733B	PE-8081	Soil	1	1	8081	08/10 07:52	3G08334		3G08505	3G08527	
3G08514	AC18916-009(MS:AC1		SMB733B	PE-8081	Soil	1	1	8081	08/10 08:08	3G08334		3G08505	3G08527	
3G08515	AC18916-010(MSD:AQM28R28		SMB733B	PE-8081	Soil	1	1	8081	08/10 08:25	3G08334		3G08505	3G08527	
3G08516	AC18916-022			PE-8081	Soil	1	1	8081	08/10 08:41	3G08334		3G08505	3G08527	
3G08517	AC18873-005			PE-8081	Soil	1	1	8081	08/10 08:57	3G08334		3G08505	3G08527	
3G08518	AC18873-008			PE-8081	Soil	1	1	8081	08/10 09:14	3G08334		3G08505	3G08527	
3G08519	AC18873-009			PE-8081	Soil	1	1	8081	08/10 09:30	3G08334		3G08505	3G08527	
3G08520	AC18873-015			PE-8081	Soil	1	1	8081	08/10 09:47	3G08334		3G08505	3G08527	
3G08521	AC18873-018			PE-8081	Soil	1	1	8081	08/10 10:03	3G08334		3G08505	3G08527	
3G08522	AC18888-002			PE-8081	Soil	1	1	8081	08/10 10:19	3G08334		3G08505	3G08527	
3G08523	AC18888-003			PE-8081	Soil	1	1	8081	08/10 10:36	3G08334		3G08505	3G08527	
3G08524	AC18888-004			PE-8081	Soil	1	1	8081	08/10 10:52	3G08334		3G08505	3G08527	
3G08525	AC18888-005			PE-8081	Soil	1	1	8081	08/10 11:09	3G08334		3G08505	3G08527	
3G08526	50PPB	Tm			Soil	1	1	8081	08/10 11:49	3G08334		3G08505	3G08527	
3G08527	CAL PEST@50PPB	C16			Soil	1	1	608 8081	08/10 12:05	3G08334				

Anc	Area Not Checked	Ev	Extraction Performed Past Hold	Co	Warning Possible Carry Over
As	Area Out	EsM	Solvent Extraction Date Missing/Not check'd	R16,R26	Rpd Out on MSMSd (col1 and or col2) 600 series
B6m	Blank 600 series missing	EtM	Tcp/Solvent Extraction Date Missing/Not check'd	R18,R28	Rpd Out on MSMSd (col1 and or col2) 8000 series
B8m	Blank 8000 series missing	Eto	Tcp Extraction Performed Outside of Hold	Ro	Retention Time Out Or %Dil Out
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Rtn	Can't Calculate Dnt
C1A	Calibration Column 1 Out (8000 Series)	Hb	Analysis Before Collection Date	S6	600 series surrogate out
	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	S8	8000 series surrogate out
	Calibration Column 2 Out (8000 Series)	H16,I26	Initial cal 600 series failed Column 1 and or 2	Sa6,Sb6	Acid and or BN Surrogate Out (600 series)
	Calibration Column 2 Out (8000 Series)	H18,I28	Initial cal 8000 series failed Column 1 and or 2	Sa8,Sb8	Acid and or BN Surrogate Out (8000 series)
LoI	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Sd	Surrogate Diluted Out
CBf	8000 series sample/blank did not have passing cal	Iv	Prob with calpt csv for ini calibration check ris	Snc	Surrogate Not Checked
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning..ini cal file <- method..	Ti5	Outside of 500 series Tune time
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Property for a sample	Ti6	Outside of 600 series Tune time/Cal Time
D1o,Q2o	Dnt Out Column 1 or Column 2 Cats or Int Cats	M16,M26	Spike Out Col 1 and or Col 2 600 series	Ti8	Outside of 8000 series Tune time/Cal Time
Dnc	Dnt Not Checked	M18a,M18b	Spike Out Col 1 600 series Acid and or BN	Tm	Too Many Samples/ for beginning Calibration
Do	Dnt Out	M18,M28	Spike Out Col 1 and or Col 2 8000 series	Tmw	If for 500 ser Too many samples begin Calibration
E6e	An Extraction Before Collection Date	M18a,M18b	Spike Out Col 1 8000 series Acid and or BN	Tn	Tune Not Checked
Emp	Problem Checking Prep/run dates modcheck/preprund	Mnc	Spike Not Checked for this ms/msd	To	Tune File Failed
En	Eval Time Not Checked	LOc	Warning Compound(s) Over Calibration	Wfe	Warning... Instrument Id not in TxtLoc field



Veritech Internally Prepared Standard Log

1145

**Veritech Lot Number: V-210**

Prepared By: Yarka		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 9/20/2004		Concentration: 200 ppm		
Expiration Date: 9/30/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
480	TCMX	20 mg	neat	200 ppm
481	DCB	20 mg	neat	200 ppm
485	Acetone Neat	100 ml		

**Veritech Lot Number: V-1583**

Prepared By: Revolus, Jean		Department: Organics		
Description: TOXAPHENE- INTERMEDIATE		BatchNumber: B-207		
Prep Date: 3/11/2005		Concentration: 50 ppm		
Expiration Date: 9/11/2005		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1061	TOXAPHENE	50 ul	1000 ppm	50 ppm
V-210	PEST/PCB SURR	25 ul	200PPM	50 ppm
802	n-Hexane	925 ul		neat

**Veritech Lot Number: V-1584**

Prepared By: Revolus, Jean		Department: Organics		
Description: TOXAPHENE- WS		BatchNumber: B-207		
Prep Date: 3/11/2005		Concentration: 500 ppb		
Expiration Date: 9/11/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9900 ul		neat
V-1583	TOXAPHENE- INTERMEDIATE	100 ul	50 ppm	500 ppb

**Veritech Lot Number: V-2336**

Prepared By: Desai, Kinjal		Department: Organics		
Description: CHLORDANE-INTERMEDIATE		BatchNumber: B-279		
Prep Date: 4/12/2005		Concentration: 10 ppm		
Expiration Date: 9/20/2005		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	940 ul		neat
V-210	PEST/PCB SURR	50 ul	200 ppm	
809	Chlordane	10 ul	1000 ppm	

**Veritech Lot Number: V-2337**

Prepared By: Desai, Kinjal		Department: Organics		
Description: CHLORDANE-WS		BatchNumber: B-279		
Prep Date: 4/12/2005		Concentration: 100 ppb		
Expiration Date: 9/20/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9900 ul		neat
V-2336	CHLORDANE-INTERMEDIATE	100 ul	10 ppm	100 ppb

## Veritech Internally Prepared Standard Log

1146

## Veritech Lot Number: V-3815

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: PEST-INTERM.		BatchNumber:		
Prep Date: 6/3/2005		Concentration: 10 ppm		
Expiration Date: 9/30/2005		Final Volume: 1 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
837	Single-Column Analytes	10 ul	1000 ppm	10 ppm
802	n-Hexane	940 ul	neat neat	
V-210	PEST/PCB SURR	50 ul	200 ppm	10 ppm

## Veritech Lot Number: V-3816

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: EVAL MIX		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 100 ppb		
Expiration Date: 9/30/2005		Final Volume: 25 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	24982.5 ul	neat neat	
V-210	PEST/PCB SURR	12.5 ul	200 ppm	100 ppb
850	DDT/Endrin Mix	5 ul	500 ppm	100 ppb

## Veritech Lot Number: V-3817

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 400 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9600 ul	neat neat	
V-3815	PEST-INTERM.	400 ul	10 ppm	400 ppb

## Veritech Lot Number: V-3818

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 200 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9800 ul	neat neat	
V-3815	PEST-INTERM.	200 ul	10 ppm	400 ppb

## Veritech Lot Number: V-3819

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 100 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9900 ul	neat neat	
V-3815	PEST-INTERM.	100 ul	10 ppm	400 ppb

Veritech Internally Prepared Standard Log

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**Veritech Lot Number: V-3820**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 50 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9950 ul	neat neat	
V-3815	PEST-INTERM.	50 ul	10 ppm	400 ppb

**Veritech Lot Number: V-3821**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 10 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9990 ul	neat neat	
V-3815	PEST-INTERM.	10 ul	10 ppm	400 ppb

**Veritech Lot Number: V-3822**

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: pest WS		BatchNumber: B-421		
Prep Date: 6/3/2005		Concentration: 2 ppb		
Expiration Date: 9/30/2005		Final Volume: 10 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
802	n-Hexane	9998 ul	neat neat	
V-3815	PEST-INTERM.	2 ul	10 ppm	400 ppb

Veritech Standard Receipt Log

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<b>Veritech Control/Receipt Number: 480</b>									
Description									
TCMX									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	44-2298	LB07127	10/24/02	09/30/05	Yarka	1	1g	neat	

<b>Veritech Control/Receipt Number: 481</b>									
Description									
DCB									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	44-2537	LB07636	10/24/02	10/31/05	Yarka	1	0.1g	neat	

<b>Veritech Control/Receipt Number: 485</b>									
Description									
Acetone Neat									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	a40-4	038587	04/14/04	01/19/10	richq	1	4L	neat	

<b>Veritech Control/Receipt Number: 802</b>									
Description									
n-Hexane									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Pharmco	35900HPLC	3002069	05/20/04	10/13/10	Yarka	1	4L	neat	

<b>Veritech Control/Receipt Number: 809</b>									
Description									
Chlordane									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	48065-u	lb23203	10/14/04	08/31/07	jean	1	1ml	1000	ppm

<b>Veritech Control/Receipt Number: 837</b>									
Description									
Single-Column Analytes									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
ACCUSTANDAR	M-8081-SC	B4100011	10/29/04	10/04/06	jean	1	1ml	1000	ppm

<b>Veritech Control/Receipt Number: 850</b>									
Description									
DDT/Endrin Mix									

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Supelco	4-8282	LB22488	11/10/04	08/17/07	Akmal	1	1ml	500	ppm

Veritech Standard Receipt Log

1149

**Veritech Control/Receipt Number: 1061**

Description
TOXAPHENE

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERV	F106BS	320-108A	03/11/05	07/31/06	Revolus, Jean	1	4ml	1000	PPM

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-210

Prepared By: Yarka		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 9/20/2004		Concentration: 200 ppm		
Expiration Date: 9/30/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
480	TCMX	20 mg	neat	200 ppm
481	DCB	20 mg	neat	200 ppm
485	Acetone Neat	100 ml		

## Veritech Lot Number: V-3166

Prepared By: Korytova, Jaroslava		Department: Organics		
Description: TCMX/DCB SGT		BatchNumber:		
Prep Date: 5/12/2005		Concentration: 10 ppm		
Expiration Date: 9/30/2005		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat ml	
V-210	PEST/PCB SURR	10 ml	200 ppm	

## Veritech Lot Number: V-4044

Prepared By: Quimby, Richard		Department: Organics		
Description: Pest Spk		BatchNumber:		
Prep Date: 6/9/2005		Concentration: 10 ppm		
Expiration Date: 12/8/2005		Final Volume: 20 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1032	SS TCL PESTICIDES MIX	100 ul	2000 ppm	10 ppm
950	Acetone	19900 ul	Neat ml	

## Veritech Lot Number: V-5154

Prepared By: Quimby, Richard		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 7/26/2005		Concentration: 10 ppm		
Expiration Date: 9/30/2005		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat	
V-210	PEST/PCB SURR	10 ml	200 ppm	10 ppm

Veritech Standard Receipt Log

1151

**Veritech Control/Receipt Number: 480**

Description
TCMX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	44-2298	LB07127	10/24/02	09/30/05	Yarka	1	1g	neat	

**Veritech Control/Receipt Number: 481**

Description
DCB

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
supelco	44-2537	LB07636	10/24/02	10/31/05	Yarka	1	0.1g	neat	

**Veritech Control/Receipt Number: 485**

Description
Acetone Neat

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher	a40-4	038587	04/14/04	01/19/10	richq	1	4L	neat	

**Veritech Control/Receipt Number: 950**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
Fisher Scientific	A40-4	043780	12/13/04	11/17/10	Akmal	1	4L	Neat	

**Veritech Control/Receipt Number: 1032**

Description
SS TCL PESTICIDES MIX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/Cont	Conc:	Units:
SUPELCO	4S-8913	LB20744	03/02/05	05/31/07	Revolus, Jean	1	1ml	2000	PPM

Veritech Internally Prepared Standard Log

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**Veritech Lot Number: V-210**

Prepared By: Yarka		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 9/20/04		Concentration: 200 ppm		
Expiration Date: 9/30/05		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
480	TCMX	20 mg	neat	200 ppm
481	DCB	20 mg	neat	200 ppm
485	Acetone Neat	100 ml		

**Veritech Lot Number: V-4044**

Prepared By: Quimby, Richard		Department: Organics		
Description: Pest Spk		BatchNumber:		
Prep Date: 6/9/05		Concentration: 10 ppm		
Expiration Date: 12/8/05		Final Volume: 20 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1032	SS TCL PESTICIDES MIX	100 ul	2000 ppm	10 ppm
950	Acetone	19900 ul	Neat ml	

**Veritech Lot Number: V-5154**

Prepared By: Quimby, Richard		Department: Organics		
Description: PEST/PCB SURR		BatchNumber:		
Prep Date: 7/26/05		Concentration: 10 ppm		
Expiration Date: 9/30/05		Final Volume: 200 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
950	Acetone	190 ml	Neat	
V-210	PEST/PCB SURR	10 ml	200 ppm	10 ppm



Veritech Standard Receipt Log

1  
2  
3

**Veritech Control/Receipt Number: 480**

Description
TCMX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2298	LB07127	10/24/02	09/30/05	Yarka	1	1g	neat	

**Veritech Control/Receipt Number: 481**

Description
DCB

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
supelco	44-2537	LB07636	10/24/02	10/31/05	Yarka	1	0.1g	neat	

**Veritech Control/Receipt Number: 485**

Description
Acetone Neat

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	a40-4	038587	04/14/04	01/19/10	richq	1	4L	neat	

**Veritech Control/Receipt Number: 950**

Description
Acetone

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher Scientific	A40-4	043780	12/13/04	11/17/10	Akmal	1	4L	Neat	

**Veritech Control/Receipt Number: 1032**

Description
SS TCL PESTICIDES MIX

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
SUPELCO	4S-8913	LB20744	03/02/05	05/31/07	Revolus, Jean	1	1ml	2000	PPM

Method Blank No. WMB- 2310  
 Blank Spike (WMBS): 2305 Pest  
 Blank Spike (WMBS): 2310 PCB

Date: 8/5/05  
 Matrix Spike: 18808-001  
 Matrix Spike: \_\_\_\_\_

**Analysis: Pest / PCB / Herb / Other(list):**

Sample Number	No. in batch				Initial Vol	Final Vol	Comments	TCLP QC	Extraction Fluid
	Pest	PCB	Herb	Other					
MB 2310	X	X			1000ml	5ml		18808-001	EF-2-V4993
MBS 2310	X	X			↓				
<del>MS</del>		X							
<del>MSP</del>		X							
18737-022	14				1000ml	5ml	Due to PCB		
18737-025	15				1000ml		SAMPLES ARE		
18737-027	16				1000ml		ALL FIELD		
18737-014	17	1			975ml		BLANKS.		
18886-009		2			650ml				
18888-001	18	3			1000ml				
18916-025	19	4			↓		RACK		
18907-005	20				100ml	↓	19	5	5

Cleanup: Acid \_\_\_ TBA \_\_\_ Copper \_\_\_ Florisil \_\_\_ Other \_\_\_

**Spike Standard**

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	10	V4044	Pest / PCB / Herb / Other
↓	100	V4707	Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other

**Surrogate Standard**

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	
50	10	V5154	Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other
			Pest / PCB / Herb / Other

Reagent Lots: MeCL<sub>2</sub> 051907 Acetone \_\_\_\_\_ Hexane 044526 Na<sub>2</sub>SO<sub>4</sub> 052002 Ether \_\_\_\_\_  
 MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: Alex [Signature]  
 Received By: Kesui [Signature]

Date: 8/5/05  
 Date: 8/8/05

Method Blank No. SMB- 733B  
Blank Spike (SMBS): 7290, 733B PEST  
Blank Spike (SMBS): 731B, 733B PCB

Date: 8/9/05  
Matrix Spike: 18830-011, 18916-009, 18916-010  
Matrix Spike: 18848-012, 18916-009, 18916-010

Analysis: Pest / PCB / Herb / Other

Sample Number	No. in batch				Initial Volume	Final Volume	Extracted By/Position/ Comments
	Pest	PCB	Herb	Other			
MB 733B	x	x			20g	10.0ml	GR / 1,1 / Rack # 26921
MBS 733B	x	x					/ 2,3 /
18888-002	18	7					/ 17,17 /
18888-003	19	8					/ 18,18 /
18888-004	20	9					/ 19,19 /
18916-009ms	x	x					/ 4,6 /
18916-010msD	x	x					/ 5,7 /
18916-008	1	1					/ 8,8 /
18916-001	2	2					/ 9,9 /
18916-004	3	3					/ 10,10 /
18916-005	4	4					/ 11,11 /
18916-013	5	5					/ 12,12 /
18916-016	6	6					/ 13,13 /
18916-019	7	7					/ 14,14 /
18916-022	8	8					/ 15,15 /
18888-005	9	9					/ 16,16 /
18873-005	10	10					/ 20,20 /
18873-008	11	11					/ 18,18 /
18873-009	12	12					/ 24,24 /
18873-015	13	13					/ 3,3 /
18873-018	14	14					/ 4,4 /
188937-001		15					/ 5,5 /
18932-001		16					/ 6 /
18886-008		17					/ 7 /

Cleanup: Acid  TBA  Copper  Florisil  Other

Spike Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	Pest / PCB / Herb / Other
100	100	V-5452	Pest / PCB / Herb / Other
100	10	V-4044	PEST

Surrogate Standard

Vol (ul's)	Conc. (ppm/ppb)	Lot No.	Pest / PCB / Herb / Other
100	10	V-5454	Pest / PCB / Herb / Other

Reagent Lots: MeCl2 \_\_\_\_\_ Acetone 00776 Hexane 044526 Na2SO4 \_\_\_\_\_ Ether \_\_\_\_\_  
MTBE \_\_\_\_\_ Other \_\_\_\_\_

Relinquished By: GRN  
Received By: Kesell

Date: 8/9/05  
Date: 8/10/05

**Metal Data**

**Metal Data**  
**Sample Data**

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-001  
Client Id: PCSB-53(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 93  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.2	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-38-2	Arsenic	2.2	22	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-39-3	Barium	11	130	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-41-7	Beryllium	0.65	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-43-9	Cadmium	0.65	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-47-3	Chromium	5.4	25	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-50-8	Copper	5.4	58	100	08/10/05	6240	S6240A	20	P	PEICP1
7439-92-1	Lead	5.4	650	100	08/10/05	6240	S6240A	20	P	PEICP1
7439-97-6	Mercury	0.090	0.28	167	08/10/05	6240	H6240S	23	CV	HGCV1
7440-02-0	Nickel	5.4	22	100	08/10/05	6240	S6240A	20	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-22-4	Silver	2.7	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	20	P	PEICP1
7440-66-6	Zinc	11	340	100	08/10/05	6240	S6240A	20	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-002  
Client Id: PCSB-53(3.5')  
Matrix: SOIL  
Level: LOW

% Solid: 89  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.2	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-38-2	Arsenic	2.2	37	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-39-3	Barium	11	27	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-41-7	Beryllium	0.67	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-43-9	Cadmium	0.67	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-47-3	Chromium	5.6	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-50-8	Copper	5.6	19	100	08/10/05	6240	S6240A	22	P	PEICP1
7439-92-1	Lead	5.6	42	100	08/10/05	6240	S6240A	22	P	PEICP1
7439-97-6	Mercury	0.094	ND	167	08/10/05	6240	H6240S	24	CV	HGCV1
7440-02-0	Nickel	5.6	7.6	100	08/10/05	6240	S6240A	22	P	PEICP1
7782-49-2	Selenium	2.0	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-22-4	Silver	2.8	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	22	P	PEICP1
7440-66-6	Zinc	11	45	100	08/10/05	6240	S6240A	22	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form 1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-003  
Client Id: PCSB-53(16.5')  
Matrix: SOIL  
Level: LOW

% Solid: 73  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.7	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-38-2	Arsenic	2.7	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-39-3	Barium	14	110	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-41-7	Beryllium	0.82	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-43-9	Cadmium	0.82	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-47-3	Chromium	6.8	20	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-50-8	Copper	6.8	10	100	08/10/05	6240	S6240A	23	P	PEICP1
7439-92-1	Lead	6.8	15	100	08/10/05	6240	S6240A	23	P	PEICP1
7439-97-6	Mercury	0.11	ND	167	08/10/05	6240	H6240S	25	CV	HGCV1
7440-02-0	Nickel	6.8	19	100	08/10/05	6240	S6240A	23	P	PEICP1
7782-49-2	Selenium	2.5	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-22-4	Silver	3.4	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-28-0	Thallium	1.6	ND	100	08/10/05	6240	S6240A	23	P	PEICP1
7440-66-6	Zinc	14	37	100	08/10/05	6240	S6240A	23	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit



Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-005  
Client Id: PCSB-43(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 94  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.1	ND	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-38-2	Arsenic	2.1	57	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-39-3	Barium	11	390	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-41-7	Beryllium	0.64	ND	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-43-9	Cadmium	0.64	1.4	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-47-3	Chromium	5.3	25	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-50-8	Copper	5.3	100	100	08/10/05	6240	S6240A	24	P	PEICP1
7439-92-1	Lead	5.3	1900	100	08/10/05	6240	S6240A	24	P	PEICP1
7439-97-6	Mercury	0.089	0.64	167	08/10/05	6240	H6240S	28	CV	HGCV1
7440-02-0	Nickel	5.3	87	100	08/10/05	6240	S6240A	24	P	PEICP1
7782-49-2	Selenium	1.9	2.1	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-22-4	Silver	2.7	ND	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	24	P	PEICP1
7440-66-6	Zinc	11	1300	100	08/10/05	6240	S6240A	24	P	PEICP1

Comments: \_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form 1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-006  
Client Id: PCSB-43(3.5)  
Matrix: SOIL  
Level: LOW

% Solid: 84  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.4	ND	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-38-2	Arsenic	2.4	54	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-39-3	Barium	12	310	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-41-7	Beryllium	0.71	ND	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-43-9	Cadmium	0.71	1.3	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-47-3	Chromium	6.0	21	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-50-8	Copper	6.0	88	100	08/10/05	6240	S6240A	25	P	PEICP1
7439-92-1	Lead	6.0	2600	100	08/10/05	6240	S6240A	25	P	PEICP1
7439-97-6	Mercury	0.099	0.99	167	08/10/05	6240	H6240S	29	CV	HGCV1
7440-02-0	Nickel	6.0	56	100	08/10/05	6240	S6240A	25	P	PEICP1
7782-49-2	Selenium	2.1	2.2	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-22-4	Silver	3.0	ND	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-28-0	Thallium	1.4	ND	100	08/10/05	6240	S6240A	25	P	PEICP1
7440-66-6	Zinc	12	910	100	08/10/05	6240	S6240A	25	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-007  
Client Id: PCSB-43(9.5')  
Matrix: SOIL  
Level: LOW

% Solid: 72  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.8	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-38-2	Arsenic	2.8	3.6	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-39-3	Barium	14	130	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-41-7	Beryllium	0.83	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-43-9	Cadmium	0.83	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-47-3	Chromium	6.9	34	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-50-8	Copper	6.9	9.4	100	08/10/05	6240	S6240A	26	P	PEICP1
7439-92-1	Lead	6.9	17	100	08/10/05	6240	S6240A	26	P	PEICP1
7439-97-6	Mercury	0.12	ND	167	08/10/05	6240	H6240S	30	CV	HGCV1
7440-02-0	Nickel	6.9	26	100	08/10/05	6240	S6240A	26	P	PEICP1
7782-49-2	Selenium	2.5	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-22-4	Silver	3.5	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-28-0	Thallium	1.7	ND	100	08/10/05	6240	S6240A	26	P	PEICP1
7440-66-6	Zinc	14	64	100	08/10/05	6240	S6240A	26	P	PEICP1

Comments: \_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-008  
Client Id: PCSB-42(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 97  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.1	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-38-2	Arsenic	2.1	5.2	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-39-3	Barium	10	37	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-41-7	Beryllium	0.62	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-43-9	Cadmium	0.62	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-47-3	Chromium	5.2	16	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-50-8	Copper	5.2	21	100	08/10/05	6240	S6240A	29	P	PEICP1
7439-92-1	Lead	5.2	160	100	08/10/05	6240	S6240A	29	P	PEICP1
7439-97-6	Mercury	0.086	0.15	167	08/10/05	6240	H6240S	31	CV	HGCV1
7440-02-0	Nickel	5.2	16	100	08/10/05	6240	S6240A	29	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-22-4	Silver	2.6	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-28-0	Thallium	1.2	ND	100	08/10/05	6240	S6240A	29	P	PEICP1
7440-66-6	Zinc	10	85	100	08/10/05	6240	S6240A	29	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-009  
Client Id: PCSB-242(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 95  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.1	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-38-2	Arsenic	2.1	10	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-39-3	Barium	11	49	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-41-7	Beryllium	0.63	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-43-9	Cadmium	0.63	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-47-3	Chromium	5.3	22	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-50-8	Copper	5.3	25	100	08/10/05	6240	S6240A	30	P	PEICP1
7439-92-1	Lead	5.3	88	100	08/10/05	6240	S6240A	30	P	PEICP1
7439-97-6	Mercury	0.088	0.14	167	08/10/05	6240	H6240S	32	CV	HGCV1
7440-02-0	Nickel	5.3	18	100	08/10/05	6240	S6240A	30	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-22-4	Silver	2.6	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	30	P	PEICP1
7440-66-6	Zinc	11	95	100	08/10/05	6240	S6240A	30	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-010  
Client Id: PCSB-42(2.5')  
Matrix: SOIL  
Level: LOW

% Solid: 94  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.1	4.0	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-38-2	Arsenic	2.1	24	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-39-3	Barium	11	120	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-41-7	Beryllium	0.64	ND	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-43-9	Cadmium	0.64	ND	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-47-3	Chromium	5.3	7.9	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-50-8	Copper	5.3	64	100	08/10/05	6240	S6240A	31	P	PEICP1
7439-92-1	Lead	5.3	2500	100	08/10/05	6240	S6240A	31	P	PEICP1
7439-97-6	Mercury	0.089	0.63	167	08/10/05	6240	H6240S	33	CV	HGCV1
7440-02-0	Nickel	5.3	32	100	08/10/05	6240	S6240A	31	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-22-4	Silver	2.7	ND	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	31	P	PEICP1
7440-66-6	Zinc	11	530	100	08/10/05	6240	S6240A	31	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-011  
Client Id: PCSB-42(13')MS  
Matrix: SOIL  
Level: LOW

% Solid: 55  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.6	36	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-38-2	Arsenic	3.6	76	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-39-3	Barium	18	220	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-41-7	Beryllium	1.1	73	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-43-9	Cadmium	1.1	73	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-47-3	Chromium	9.1	120	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-50-8	Copper	9.1	87	100	08/10/05	6240	S6240B	15	P	PEICP1
7439-92-1	Lead	9.1	83	100	08/10/05	6240	S6240B	15	P	PEICP1
7439-97-6	Mercury	0.15	3.3	167	08/12/05	6240	H6240SB	15	CV	HGCV1
7440-02-0	Nickel	9.1	100	100	08/10/05	6240	S6240B	15	P	PEICP1
7782-49-2	Selenium	3.3	73	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-22-4	Silver	4.5	73	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-28-0	Thallium	2.2	73	100	08/10/05	6240	S6240B	15	P	PEICP1
7440-66-6	Zinc	18	140	100	08/10/05	6240	S6240B	15	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-012  
Client Id: PCSB-42(13')  
Matrix: SOIL  
Level: LOW

% Solid: 53  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.8	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-38-2	Arsenic	3.8	5.2	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-39-3	Barium	19	140	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-41-7	Beryllium	1.1	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-43-9	Cadmium	1.1	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-47-3	Chromium	9.4	35	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-50-8	Copper	9.4	14	100	08/10/05	6240	S6240B	13	P	PEICP1
7439-92-1	Lead	9.4	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7439-97-6	Mercury	0.16	ND	167	08/12/05	6240	H6240SB	13	CV	HGCV1
7440-02-0	Nickel	9.4	30	100	08/10/05	6240	S6240B	13	P	PEICP1
7782-49-2	Selenium	3.4	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-22-4	Silver	4.7	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-28-0	Thallium	2.3	ND	100	08/10/05	6240	S6240B	13	P	PEICP1
7440-66-6	Zinc	19	60	100	08/10/05	6240	S6240B	13	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit



Form 1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-013	% Solid: 50	Lab Name: Veritech	Nras No:
Client Id: PCSB-42(13')MSD	Units: MG/KG	Lab Code:	Sdg No:
Matrix: SOIL	Date Rec: 8/3/2005	Contract:	Case No:
Level: LOW			

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	4.0	38	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-38-2	Arsenic	4.0	85	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-39-3	Barium	20	250	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-41-7	Beryllium	1.2	82	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-43-9	Cadmium	1.2	82	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-47-3	Chromium	10	130	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-50-8	Copper	10	98	100	08/10/05	6240	S6240B	16	P	PEICP1
7439-92-1	Lead	10	94	100	08/10/05	6240	S6240B	16	P	PEICP1
7439-97-6	Mercury	0.17	3.6	167	08/12/05	6240	H6240SB	16	CV	HGCV1
7440-02-0	Nickel	10	120	100	08/10/05	6240	S6240B	16	P	PEICP1
7782-49-2	Selenium	3.6	82	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-22-4	Silver	5.0	81	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-28-0	Thallium	2.4	80	100	08/10/05	6240	S6240B	16	P	PEICP1
7440-66-6	Zinc	20	160	100	08/10/05	6240	S6240B	16	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form 1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-014  
Client Id: FB080105  
Matrix: AQUEOUS  
Level: LOW

% Solid: 0  
Units: UG/L  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	20	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-38-2	Arsenic	20	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-39-3	Barium	100	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-41-7	Beryllium	6.0	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-43-9	Cadmium	6.0	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-47-3	Chromium	50	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-50-8	Copper	50	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7439-92-1	Lead	50	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7439-97-6	Mercury	0.50	ND	1	08/10/05	6240	H6240S	34	CV	HGCV1
7440-02-0	Nickel	50	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7782-49-2	Selenium	18	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-22-4	Silver	25	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-28-0	Thallium	12	ND	1	08/10/05	6240	S6240A	32	P	PEICP1
7440-66-6	Zinc	100	ND	1	08/10/05	6240	S6240A	32	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Flag Codes:**

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-015  
Client Id: PCSB-35(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 96  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.1	ND	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-38-2	Arsenic	2.1	13	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-39-3	Barium	10	63	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-41-7	Beryllium	0.62	ND	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-43-9	Cadmium	0.62	0.92	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-47-3	Chromium	5.2	24	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-50-8	Copper	5.2	51	100	08/10/05	6240	S6240A	33	P	PEICP1
7439-92-1	Lead	5.2	130	100	08/10/05	6240	S6240A	33	P	PEICP1
7439-97-6	Mercury	0.087	0.27	167	08/10/05	6240	H6240S	35	CV	HGCV1
7440-02-0	Nickel	5.2	18	100	08/10/05	6240	S6240A	33	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-22-4	Silver	2.6	ND	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-28-0	Thallium	1.2	ND	100	08/10/05	6240	S6240A	33	P	PEICP1
7440-66-6	Zinc	10	140	100	08/10/05	6240	S6240A	33	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-016  
Client Id: PCSB-35(2.5')  
Matrix: SOIL  
Level: LOW

% Solid: 77  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.6	ND	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-38-2	Arsenic	2.6	11	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-39-3	Barium	13	120	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-41-7	Beryllium	0.78	ND	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-43-9	Cadmium	0.78	ND	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-47-3	Chromium	6.5	9.6	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-50-8	Copper	6.5	56	100	08/10/05	6240	S6240A	34	P	PEICP1
7439-92-1	Lead	6.5	190	100	08/10/05	6240	S6240A	34	P	PEICP1
7439-97-6	Mercury	0.11	ND	167	08/10/05	6240	H6240S	36	CV	HGCV1
7440-02-0	Nickel	6.5	130	100	08/10/05	6240	S6240A	34	P	PEICP1
7782-49-2	Selenium	2.3	2.7	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-22-4	Silver	3.2	ND	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-28-0	Thallium	1.6	ND	100	08/10/05	6240	S6240A	34	P	PEICP1
7440-66-6	Zinc	13	290	100	08/10/05	6240	S6240A	34	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-017  
Client Id: PCSB-35(15.5')  
Matrix: SOIL  
Level: LOW

% Solid: 86  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.3	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-38-2	Arsenic	2.3	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-39-3	Barium	12	63	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-41-7	Beryllium	0.70	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-43-9	Cadmium	0.70	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-47-3	Chromium	5.8	14	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-50-8	Copper	5.8	9.6	100	08/10/05	6240	S6240A	35	P	PEICP1
7439-92-1	Lead	5.8	40	100	08/10/05	6240	S6240A	35	P	PEICP1
7439-97-6	Mercury	0.097	ND	167	08/10/05	6240	H6240S	37	CV	HGCV1
7440-02-0	Nickel	5.8	13	100	08/10/05	6240	S6240A	35	P	PEICP1
7782-49-2	Selenium	2.1	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-22-4	Silver	2.9	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-28-0	Thallium	1.4	ND	100	08/10/05	6240	S6240A	35	P	PEICP1
7440-66-6	Zinc	12	28	100	08/10/05	6240	S6240A	35	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Flag Codes:**

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-018  
Client Id: PCSB-52(0.5')  
Matrix: SOIL  
Level: LOW

% Solid: 93  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.2	ND	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-38-2	Arsenic	2.2	18	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-39-3	Barium	11	140	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-41-7	Beryllium	0.65	ND	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-43-9	Cadmium	0.65	0.71	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-47-3	Chromium	5.4	39	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-50-8	Copper	5.4	73	100	08/10/05	6240	S6240A	36	P	PEICP1
7439-92-1	Lead	5.4	470	100	08/10/05	6240	S6240A	36	P	PEICP1
7439-97-6	Mercury	0.090	0.69	167	08/10/05	6240	H6240S	40	CV	HGCV1
7440-02-0	Nickel	5.4	23	100	08/10/05	6240	S6240A	36	P	PEICP1
7782-49-2	Selenium	1.9	ND	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-22-4	Silver	2.7	ND	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-28-0	Thallium	1.3	ND	100	08/10/05	6240	S6240A	36	P	PEICP1
7440-66-6	Zinc	11	420	100	08/10/05	6240	S6240A	36	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

Form1  
Inorganic Analysis Data Sheet

Sample ID: AC18873-019  
Client Id: PCSB-52(5.5')  
Matrix: SOIL  
Level: LOW

% Solid: 83  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.4	ND	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-38-2	Arsenic	2.4	7.5	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-39-3	Barium	12	160	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-41-7	Beryllium	0.72	1.1	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-43-9	Cadmium	0.72	1.8	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-47-3	Chromium	6.0	63	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-50-8	Copper	6.0	170	100	08/10/05	6240	S6240A	39	P	PEICP1
7439-92-1	Lead	6.0	130	100	08/10/05	6240	S6240A	39	P	PEICP1
7439-97-6	Mercury	0.10	0.21	167	08/10/05	6240	H6240S	41	CV	HGCV1
7440-02-0	Nickel	6.0	32	100	08/10/05	6240	S6240A	39	P	PEICP1
7782-49-2	Selenium	2.2	2.6	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-22-4	Silver	3.0	ND	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-28-0	Thallium	1.4	ND	100	08/10/05	6240	S6240A	39	P	PEICP1
7440-66-6	Zinc	12	370	100	08/10/05	6240	S6240A	39	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

**Form1**  
**Inorganic Analysis Data Sheet**

Sample ID: AC18873-020  
Client Id: PCSB-52(15.5')  
Matrix: SOIL  
Level: LOW

% Solid: 55  
Units: MG/KG  
Date Rec: 8/3/2005

Lab Name: Veritech  
Lab Code:  
Contract:

Nras No:  
Sdg No:  
Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	3.6	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-38-2	Arsenic	3.6	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-39-3	Barium	18	110	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-41-7	Beryllium	1.1	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-43-9	Cadmium	1.1	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-47-3	Chromium	9.1	35	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-50-8	Copper	9.1	76	100	08/10/05	6240	S6240A	40	P	PEICP1
7439-92-1	Lead	9.1	18	100	08/10/05	6240	S6240A	40	P	PEICP1
7439-97-6	Mercury	0.15	ND	167	08/10/05	6240	H6240S	42	CV	HGCV1
7440-02-0	Nickel	9.1	25	100	08/10/05	6240	S6240A	40	P	PEICP1
7782-49-2	Selenium	3.3	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-22-4	Silver	4.5	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-28-0	Thallium	2.2	ND	100	08/10/05	6240	S6240A	40	P	PEICP1
7440-66-6	Zinc	18	130	100	08/10/05	6240	S6240A	40	P	PEICP1

Comments: \_\_\_\_\_  
\_\_\_\_\_

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit



**Metal Data**  
**QC Data**







## FORM 2 (ICV/CCV Summary)

Date Analyzed: 08/12/05  
 Data File: H6240SB  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 ICV/CCV SOURCE: VHG LABS

Analyte	Spk Amt	ICV		CCV-17													
		1183 (2)- 8	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec	Rec			
Mercury	10	19.9314	100	10.2535	103												

**Notes:**  
 a-indicates analyte failed the ICV limits for EPA SW846  
 b-indicates analyte failed the ICV limits for EPA 600  
 c-indicates analyte failed the CCV limits for EPA600/SW846 (Except HG SW846)  
 d-indicates analyte failed the CCV limits for SW846 (HG SW846)  
 ICV- Concentration is 2x the CCV concentration except CLP (1.5x).

**Qc Limits:**  
 ICV - EPA600 : 95-105  
 CCV - EPA600/SW846 : 90-110 (Except Hg SW846=80-120)  
 ICV - SW846 : 90-110  
 CLP ICP ICV/CCV: 90-110  
 CLP Hg ICV/CCV: 80-120

### FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 08/10/05  
 Data File: S6240A  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL, SW846  
 Instrument: PEICP1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	ICB V-5157-7	CCB-19	CCB-28	CCB-38	CCB-46	MB 6240 (100)- 10	MB FB (1)-41
Antimony	.02 U	.02 U	.02 U	.02 U	.02 U	2 U	.02 U
Arsenic	.02 U	.02 U	.02 U	.02 U	.02 U	2 U	.02 U
Barium	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U
Beryllium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U	.006 U
Cadmium	.006 U	.006 U	.006 U	.006 U	.006 U	.6 U	.006 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Lead	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Nickel	.05 U	.05 U	.05 U	.05 U	.05 U	5 U	.05 U
Selenium	.018 U	.018 U	.018 U	.018 U	.018 U	1.8 U	.018 U
Silver	.025 U	.025 U	.025 U	.025 U	.025 U	2.5 U	.025 U
Thallium	.012 U	.012 U	.012 U	.012 U	.012 U	1.2 U	.012 U
Zinc	.1 U	.1 U	.1 U	.1 U	.1 U	10 U	.1 U

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB  
 u-indicates result below reporting limit

### FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 08/10/05  
 Data File: S6240B  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL, SW846  
 Instrument: PEICP1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	ICB V-5157-7	CCB-18	CCB-24	MB 6240 (100)- 10				
Antimony	.02 U	.02 U	.02 U	2 U				
Arsenic	.02 U	.02 U	.02 U	2 U				
Barium	.1 U	.1 U	.1 U	10 U				
Beryllium	.006 U	.006 U	.006 U	.6 U				
Cadmium	.006 U	.006 U	.006 U	.6 U				
Chromium	.05 U	.05 U	.05 U	5 U				
Copper	.05 U	.05 U	.05 U	5 U				
Lead	.05 U	.05 U	.05 U	5 U				
Nickel	.05 U	.05 U	.05 U	5 U				
Selenium	.018 U	.018 U	.018 U	1.8 U				
Silver	.025 U	.025 U	.025 U	2.5 U				
Thallium	.012 U	.012 U	.012 U	1.2 U				
Zinc	.1 U	.1 U	.1 U	10 U				

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB  
 u-indicates result below reporting limit

### FORM 3 (ICB/CCB/MB Summary)

Date Analyzed: 08/10/05  
 Data File: H6240S  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL, SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	ICB-15	CCB-27	CCB-39	CCB-46	MB 6240 (167)- 16	MB FB-43		
Mercury	.5 U	.5 U	.5 U	.5 U	84 U	.5 U		

**Notes:** a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB  
 u-indicates result below reporting limit



FORM 3  
(ICB/CCB/MB Summary)

Date Analyzed: 08/12/05  
 Data File: H6240SB  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL,SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	ICB-9	CCB-16	MB 6240 (167)- 10					
Mercury	.5 U	.5 U	84 U					

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB  
 u-indicates result below reporting limit

## FORM 4 (ICSA/ICSAB Summary)

Date Analyzed: 08/10/05  
 Data File: S6240A  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL, SW846  
 Instrument: PEICP1  
 Units: ppm  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-4505-8		ICSAB V-4506-9		ICSA V-4505-43		ICSAB V-4506-44		Rec	Rec	Rec	Rec
		Rec	Rec	Rec	Rec	Rec	Rec						
Aluminum	500	450.3747	90	452.68450	91	436.8498	87	439.73930	88				
Antimony	1	U		0.98770	99	U		0.96116	98				
Arsenic	1	U		1.00373	100	U		1.00264	100				
Barium	.5	U		0.47316	95	U		0.46622	93				
Beryllium	.5	U		0.48243	96	U		0.48132	96				
Cadmium	1	U		0.91542	92	U		0.90640	91				
Calcium	500	439.3661	88	439.78450	88	429.9266	86	432.31000	86				
Chromium	.5	U		0.47404	95	U		0.46530	93				
Copper	.5	U		0.51373	103	U		0.49548	99				
Iron	200	174.8557	87	175.77800	88	173.6072	87	173.67150	87				
Lead	1	U		0.94546	95	U		0.92298	92				
Magnesium	500	497.241	99	498.92580	100	490.0169	98	493.68310	99				
Nickel	1	U		0.93481	93	U		0.92409	92				
Selenium	1	U		0.93897	94	U		0.94304	94				
Silver	1	U		1.02551	103	U		0.99087	99				
Thallium	1	U		0.95488	95	U		0.92330	92				
Zinc	1	U		0.87303	87	U		0.88632	89				

**Notes:** a-indicates absolute value of the concentration > 2 \* Reporting Limits In the ICSA  
 b-indicates absolute value of the concentration above Reporting Limits but < 2 \* Reporting Limits in the ICSA  
 c-indicates the recovery failed the Qc Criteria in the ICSAB  
 u-indicates the absolute value of the concentration was below the reporting limit

## FORM 4 (ICSA/ICSAB Summary)

Date Analyzed: 08/10/05  
 Data File: S6240B  
 Prep Batch: 6240  
 Reporting Limits Used: SOIL, SW846  
 Instrument: PEICP1  
 Units: ppm  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 ICSA/ICSAB: SOURCE: VHG LABS

Analyte	Spk Amt	ICSA V-4505-8		ICSA V-4506-9		ICSA V-4505-21		ICSA V-4506-22		Rec	Rec	Rec	Rec
		Rec	Rec	Rec	Rec	Rec	Rec						
Aluminum	500	442.8658	89	443.23480	89	441.7529	88	441.86780	88				
Antimony	1	U		0.97839	98	U		0.97787	98				
Arsenic	1	U		0.99718	100	U		0.99826	100				
Barium	.5	U		0.47150	94	U		0.47103	94				
Beryllium	.5	U		0.48022	96	U		0.47837	96				
Cadmium	1	U		0.92295	92	U		0.91747	92				
Calcium	500	444.9323	89	444.62430	89	440.9268	88	441.14790	88				
Chromium	.5	U		0.47164	94	U		0.47197	94				
Copper	.5	U		0.50810	102	U		0.50824	102				
Iron	200	175.7237	88	175.71370	88	175.3571	88	176.09270	88				
Lead	1	U		0.94569	95	U		0.94041	94				
Magnesium	500	499.2852	100	499.31210	100	495.2975	99	495.67130	99				
Nickel	1	U		0.93228	93	U		0.93488	93				
Selenium	1	U		0.93966	94	U		0.93943	94				
Silver	1	U		1.02747	103	U		1.01918	102				
Thallium	1	U		0.94894	95	U		0.95701	96				
Zinc	1	U		0.88167	88	U		0.87595	88				

**Notes:** a-indicates absolute value of the concentration > 2 \* Reporting Limits in the ICSA  
 b-indicates absolute value of the concentration above Reporting Limits but < 2 \* Reporting Limits in the ICSA  
 c-indicates the recovery failed the Qc Criteria in the ICSAB  
 u-indicates the absolute value of the concentration was below the reporting limit

## FORM 5/FORM 7 SPIKE/LCS RECOVERY

Date Analyzed: 08/10/05  
 Data File: S6240A  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: PEICP1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214  
 MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 Matrix: SOIL  
 Level: Low

Analyte	Spike Amt		LCS Soil/Aqueous Rec Limits	Non Spike Conc AC18873- 012-13		AC18873- 011-15-1X	%REC OR Conc	AC18873- 013-16-1X	%REC OR Conc	LCS 100- 11-1X	%REC OR Conc	LCS 100 MR-12-1X	%REC OR Conc	LCSW-42- 1X	%REC OR Conc
	MS-Tclp MS-Aq MS-soil	LCS Soil Aq													
Antimony	.5000	0.500	75 - 125	0.02	U	0.5001518	100	0.1757951	35 a	0.4475096	.448	0.4395424	.44	0.4826099	97
Arsenic	.5000	0.500	75 - 125	0.02669439		0.6179671	118	0.4682719	88	0.4506649	.451	0.4451934	.445	0.4954070	99
Barium	.5000	0.500	75 - 125	0.82661644		2.8205783	399 a	1.3382952	102	0.4638226	.464	0.4582166	.458	0.4986198	100
Beryllium	.5000	0.500	75 - 125	0.006	U	0.4476508	90	0.4467719	89	0.4440384	.444	0.4390670	.439	0.4871792	97
Cadmium	.5000	0.500	75 - 125	0.006	U	0.4542169	91	0.448414	90	0.4537257	.454	0.4501764	.45	0.490445	98
Chromium	.5000	0.500	75 - 125	0.22536556		0.5388277	63 a	0.7151070	98	0.4805116	.481	0.4822651	.482	0.4983184	100
Copper	.5000	0.500	75 - 125	0.08659149		1.2011846	223 a	0.5466311	92	0.4817162	.482	0.4851647	.485	0.4896877	98
Lead	.5000	0.500	75 - 125	0.16401933		96.677332	19300 a	0.5665617	81	0.4545572	.455	0.4540184	.454	0.4882367	98
Nickel	.5000	0.500	75 - 125	0.16998538		1.1145023	189 a	0.6360302	93	0.4865859	.487	0.4825763	.483	0.4954844	99
Selenium	.5000	0.500	75 - 125	0.018	U	0.4566663	91	0.4373971	87	0.4345188	.435	0.4242551	.424	0.4708353	94
Silver	.5000	0.500	75 - 125	0.025	U	0.4580730	92	0.4604067	92	0.4268606	.427	0.4210674	.421	0.4675314	94
Thallium	.5000	0.500	75 - 125	0.012	U	0.4200508	84	0.4422145	88	0.4410501	.441	0.4329339	.433	0.4624456	92
Zinc	.5000	0.500	75 - 125	0.4004452		21.220345	4160 a	0.8869886	97	0.4768886	.477	0.4896991	.49	0.5184067	104

**MS Qc Limits:**

MS Qc Limits:		
EPA600:	SW846	CLP
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

**Flags:**

- U: Conc < Reporting Limit
- a: Recovery Failed Specified Limit
- b: Recovery Failed Specified Limit but Non Spike concentration > 4\* spike amount

Note: All Elements analyzed by ICP(P) except Mercury(CV)

## FORM 5/FORM 7 SPIKE/LCS RECOVERY

Date Analyzed: 08/10/05  
 Data File: S6240B  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: PEICP1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214  
 MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 Matrix: SOIL  
 Level: Low

Analyte	Spike Amts		LCS Soil/Aqueous Rec Limits	Non Spike Conc AC18873- 012-13		AC18873- 011-15-1X	%REC OR Conc	AC18873- 013-16-1X	%REC OR Conc	LCS 100- 11-1X	%REC OR Conc	LCS 100 MR-12-1X	%REC OR Conc	%REC OR Conc
	MS-Tclp MS-Aq MS-soil	LCS Soil Aq												
Antimony	.5000	.500	.3726 - .6274	0.02	U	0.1959842	39 a	0.1922164	38 a	0.4051474	.405	0.4106656	.411	
Arsenic	.5000	.500	.3726 - .6274	0.02733699		0.4175079	78	0.4228905	79	0.4203497	.42	0.4229544	.423	
Barium	.5000	.500	.3726 - .6274	0.72550081		1.2029226	95	1.2593527	107	0.4284318	.428	0.4311908	.431	
Beryllium	.5000	.500	.3726 - .6274	0.006	U	0.4024672	80	0.4082338	82	0.4183191	.418	0.4213772	.421	
Cadmium	.5000	.500	.3726 - .6274	0.006	U	0.4026103	81	0.4075499	82	0.4253720	.425	0.428379	.428	
Chromium	.5000	.500	.3726 - .6274	0.18723069		0.6360115	90	0.6562539	94	0.4396667	.44	0.4422389	.442	
Copper	.5000	.500	.3726 - .6274	0.07519925		0.4770652	80	0.4889168	83	0.4351742	.435	0.4477701	.448	
Lead	.5000	.500	.3726 - .6274	0.05	U	0.4585940	92	0.4716964	94	0.4219207	.422	0.4243813	.424	
Nickel	.5000	.500	.3726 - .6274	0.15974997		0.5583553	80	0.5789934	84	0.4361387	.436	0.4590575	.459	
Selenium	.5000	.500	.3726 - .6274	0.018	U	0.4014878	80	0.4087461	82	0.4090625	.409	0.4102219	.41	
Silver	.5000	.500	.3726 - .6274	0.025	U	0.4026655	81	0.4074701	81	0.4199881	.42	0.4222630	.422	
Thallium	.5000	.500	.3726 - .6274	0.012	U	0.3999750	80	0.4014078	80	0.4148589	.415	0.4210404	.421	
Zinc	.5000	.500	.3726 - .6274	0.3171839		0.7691351	90	0.8163239	100	0.4347499	.435	0.4388825	.439	

**MS Qc Limits:**

EPA600:	SW846	CLP
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

**Flags:**

- U: Conc < Reporting Limit
- a: Recovery Failed Specified Limit
- b: Recovery Failed Specified Limit but Non Spike concentration > 4\* spike amount

Note: All Elements analyzed by ICP(P) except Mercury(CV)

## FORM 5/FORM 7 SPIKE/LCS RECOVERY

Date Analyzed: 08/10/05  
 Data File: H6240S  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214  
 MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 Matrix: SOIL  
 Level: Low

Analyte	Spike Amts		LCS Soil/Aqueous Rec Limits	Non Spike Conc	LCS-17-1X		LCS MR- 18-1X		LCSW-44- 1X		%REC OR Conc	%REC OR Conc	%REC OR Conc
	MS-Tdp MS-Aq MS-soil	LCS Soil Aq			%REC OR Conc	%REC OR Conc	%REC OR Conc	%REC OR Conc					
Mercury		10	75 - 125		11.425273	11.4	11.414901	11.4	10.233103	102			

**MS Qc Limits:**

EPA600:	SW846	CLP
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

**Flags:**

- U: Conc < Reporting Limit
- a: Recovery Failed Specified Limit
- b: Recovery Failed Specified Limit but Non Spike concentration > 4\* spike amount

Note: All Elements analyzed by ICP(P) except Mercury(CV)

## FORM 5/FORM 7 SPIKE/LCS RECOVERY

Date Analyzed: 08/12/05  
 Data File: H6240SB  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214  
 MATRIX SPIKE SOURCE: VHG LABS

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:  
 Matrix: SOIL  
 Level: Low

Analyte	Spike Amts		LCS Soil/Aqueous Rec Limits	Non Spike Conc AC18873- 012-13		%REC OR Conc	AC18873- 011-15-1X	%REC OR Conc	AC18873- 013-16-1X	%REC OR Conc	LCS-11-1X	%REC OR Conc	LCS MR- 12-1X	%REC OR Conc	%REC OR Conc
	MS-Tdp MS-Aq MS-soil	LCS Soil Aq													
Mercury	10	10.00	7.50 - 12.5	0.5	U	108	10.799652	107	10.701501	107	10.902099	10.9	10.924554	10.9	

### MS Qc Limits:

MS Qc Limits:		
EPA600:	SW846	CLP
MS: 70-130	MS TCLP: >50% MS soil/aqueous:75-125	MS:75-125

### Flags:

- U: Conc < Reporting Limit
- a: Recovery Failed Specified Limit
- b: Recovery Failed Specified Limit but Non Spike concentration > 4\* spike amount

Note: All Elements analyzed by ICP(P) except Mercury(CV)

# FORM6/FORM9 RPDS

Date Analyzed: 08/10/05  
 Data File: S6240B  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: PEICP1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	Qc Limits		Sample			LCS			Serial Dil		
	LCS/MR	SD	AC18873-012-13	AC18873-012-14	RPD	LCS 100-11	LCS 100 MR-12	RPD	AC18873-012-13	AC18873-012-20	%Diff
Antimony	<=20	<=10	0.02 U	0.02 U	---				0.00447606	0.01005 U	---
Arsenic	<=20	<=10	0.02733699	0.02714211	0.72				0.02733699	0.0173177	37 Sb
Barium	<=20	<=10	0.72550081	0.67039213	7.9				0.72550081	0.71614735	1.3
Beryllium	<=20	<=10	0.006 U	0.006 U	---				0.00328871	0.0002395 U	---
Cadmium	<=20	<=10	0.006 U	0.006 U	---				0.000118 U	0.00059 U	---
Chromium	<=20	<=10	0.18723069	0.17837382	4.8				0.18723069	0.182087	2.7
Copper	<=20	<=10	0.07519925	0.07778765	3.4				0.07519925	0.08534835	13 Sa
Lead	<=20	<=10	0.050 U	0.050 U	---				0.04940640	0.0413848	16 Sb
Nickel	<=20	<=10	0.15974997	0.16259886	1.8				0.15974997	0.17055055	6.8
Selenium	<=20	<=10	0.018 U	0.018 U	---				0.01201615	0.0164368	37 Sb
Silver	<=20	<=10	0.025 U	0.025 U	---				0.000480 U	0.0024 U	---
Thallium	<=20	<=10	0.012 U	0.012 U	---				0.00258 U	0.0129 U	---
Zinc	<=20	<=10	0.31718390	0.28998468	9				0.31718390	0.32654265	3

### Flags:

Na: Method Rep outside of Qc Limits  
 Nb: Method Rep out but concentrations < 5\* Reporting Limits  
 U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)  
 Lm: Lcs Rpd Out

Sa: Serial Dilution outside of qc limits  
 Sb: Serial dilution out but concentration < 10 \* IDL  
 E: Serial Dilution outside of qc limits CLP



FORM6/FORM9  
RPDS

Date Analyzed: 08/12/05  
 Data File: H6240SB  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	Qc Limits		Sample	Method Rep	RPD	LCS	LCS MR	RPD	Sample	Serial Dil	%Diff
	LCS/MR	SD	AC18873-012-13	AC18873-012-14		LCS-11	LCS MR-12				
Mercury	<=20	<=10	.5 U	.5 U	—						

Flags:

Na::Method Rep outside of Qc Limits  
 Nb :Method Rep out but concentrations < 5\* Reporting Limits  
 U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)  
 Lm:Lcs Rpd Out  
 Sa:Serial Dilution outside of qc limits  
 Sb: Serial dilution out but concentration < 10 \* IDL  
 E: Serial Dilution outside of qc limits CLP

## FORM6/FORM9 RPDS

Date Analyzed: 08/10/05  
 Data File: H6240S  
 Prep Batch: 6240  
 Analytical Method: SW846  
 Instrument: HGCV1  
 Units: All units in ppm except Hg in ppb  
 Project Number: 5080214

Lab Name: Veritech  
 Lab Code:  
 Contract:  
 Nras No:  
 Sdg No:  
 Case No:

Analyte	Qc Limits		Sample	Method Rep	RPD	LCS	LCS MR	RPD	Sample	Serial Dil	%Diff
	LCS/MR	SD				LCS-17	LCS MR-18				
Mercury	<=20	<=10				11.4252731	11.4149015	.091			

**Flags:**

Na: Method Rep outside of Qc Limits  
 Nb: Method Rep out but concentrations < 5\* Reporting Limits  
 U: Conc < Reporting Limit (Method Rep) or < IDL (serial Dilution)  
 Lm: Lcs Rpd Out

Sa: Serial Dilution outside of qc limits  
 Sb: Serial dilution out but concentration < 10 \* IDL  
 E: Serial Dilution outside of qc limits CLP

**Metal Data**  
**Verification of Instrument Parameters**

## MDL / RL SUMMARY

SOIL  
PE ICP 1

ELEMENT	MDL	Reporting Limits (Mg/Kg)
Al	0.0546	200
Sb	0.00237	2
As	0.00454	2
Ba	0.00531	10
Be	0.000557	0.6
Cd	0.000898	0.6
Ca	0.279	1000
Cr	0.00488	5
Co	0.00218	2.5
Cu	0.00369	5
Fe	0.0771	200
Pb	0.00279	5
Mg	0.0563	500
Mn	0.0151	10
Mo	0.00166	2.5
Ni	0.00643	5
Se	0.00496	1.8
Ag	0.00148	2.5
Tl	0.00363	1.2
Sn	0.0101	5.7
Ti	0.0725	35
V	0.00164	10
Zn	0.0139	10

**HGCV1  
IDL / MDL / RL  
SUMMARY**

1197

Element: Mercury  
Instrument: PE FIMS 100  
Technique: CV

MDL Source: 671  
Instrument ID: HgCV 1  
Analyst John L. Soules

<u>Bath IDL/MDL</u>		IDL	Date	MDL	Date	RL
600 Series	METHOD	(ppb)	Completed	(ppb)	Completed	(ppb)
<u>H2O</u>	245.1	0.091	3/14/2005	0.16	3/17/2005	0.20
<u>H2O CLP</u>	245.1	0.091	3/14/2005	0.105	3/18/2005	0.200
<b>SW846</b>						
<u>H2O</u>	7470A	0.079	3/14/2005	0.15	3/17/2005	0.70
<u>SOIL</u>	7471 A	0.079	3/14/2005	0.20	3/17/2005	0.50
<u>SOIL CLP</u>	7471A	0.079	3/14/2005	0.166	3/16/2005	0.20
<u>TCLP</u>	7470A	0.079	3/14/2005	0.14	3/17/2005	0.70
<u>SPLP</u>	7470A	0.079	3/14/2005	0.34	3/17/2005	0.70
<u>TOTAL LAMP</u>	7471A	1.94	3/14/2005	2.09	5/17/2002	10
<b>Block IDL/MDL</b>						
600 Series	METHOD	(ppb)	Completed	(ppb)	Completed	(ppb)
<u>H2O</u>	245.1	0.091	3/14/2005	0.12	3/16/2005	0.20
<u>H2O CLP</u>	245.1	0.091	3/14/2005	0.133	3/15/2005	0.200
<b>SW846</b>						
<u>H2O</u>	7470A	0.079	3/14/2005	0.13	3/16/2005	0.70
<u>SOIL</u>	7471 A	0.079	3/14/2005	0.087	3/14/2005	0.50
<u>SOIL CLP</u>	7471A	0.079	3/14/2005	0.117	3/15/2005	0.200
<u>TCLP</u>	7470A	0.079	3/14/2005	0.32	3/15/2005	0.70
<u>SPLP</u>	7470A	0.079	3/14/2005	0.42	3/15/2005	0.70

**INTERELEMENT CORRECTION SUMMARY  
PEICP1**

**Interfering Elements**

Interfered Elements	Al	Ca	Fe	Mg	Mn	Zn	Ti	Mo
Al	N/A	0.132	0	0.1	8.74	1.86	2.55	11.9
Sb	0.293	0	0	0	0	0	-1.04	-6.44
As	0	-0.01	-0.0509	0	0	0	-2.44	1.655
Ba	0	0	0	0	0	0	0	0
Be	0	0	-0.198	0	0	0	0	-0.273
Cd	0	0	0.0855	0	0	0	0	0
Ca	0	N/A	0	0	13.2	1.51	0	1
Cr	0	0	0	0	0	-7.65	0	-0.471
Co	0	0	0	0	0	0	1.83	-0.695
Cu	0.00413	0.0165	-0.0821	0	0.5	0	0	0
Fe	0	0	N/A	0	4.39	0	0	0
Pb	-0.08	-0.01	0.0355	0	0	0	-0.337	-1.26
Mg	0	0	0	N/A	7.44	0	0	-8.01
Mn	0	0	0	0	N/A	0	0	0
Mo	-0.00648	0	-0.0299	0	0	0	0	N/A
Ni	0.0234	0	0.138	0	0	0	0	-0.318
Se	0.0155	0	-0.32	0	0	0	0	0
Ag	0	0.00655	-0.0151	0	0	0	-8.87	-0.864
Tl	0	0	-0.0601	0	0.961	0	-8.6	-1.8
Sn	0.02	-0.07	0	0.05	0	-0.269	-3.58	-0.503
Ti	0	0	0	0	0	0	N/A	0
V	0	0	0.136	0.264	0	0	1.2	-6.09
Zn	0	0	0	0	0.4	0	0	0

LINEAR RANGES  
PE ICP 1  
AXIAL

<u>ELEMENT</u>	<u>LINEAR RANGE</u> (PPM)
Al	500
Sb	50
As	50
Ba	40
Be	20
Cd	50
Ca	500
Cr	50
Co	50
Cu	50
Fe	400
Pb	50
Mg	600
Mn	30
Mo	50
Ni	50
Se	50
Ag	2
Tl	50
Sn	50
Ti	30
V	50
Zn	40

**Metal Data**  
**Raw Data**



# Run Log

Data File: W\METALS.FRM\ICPDATA\PeIcp\US6240A.TXT

Instrument: PEICP1

Analysis Date: 08/10/05

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blank 1	1	CAL	10:19	1						
Calib Std 1	1	CAL	10:22	2						
Calib Std 2	1	CAL	10:25	3						
Calib Std 3	1	CAL	10:27	4						
ICS V-4509	1	ICS	10:30	5						
ICV V-4847 (2)	1	ICV	10:33	6						
ICB V-5157	1	ICB	10:36	7						
ICSA V-4505	1	ICSA	10:39	8						
ICSAB V-4506	1	ICSAB	10:42	9						
MB 6240 (100)	1	MB	10:45	10		SOIL	SOIL	SW846	6240	
LCS 100	1	LCS	10:48	11		SOIL	SOIL	SW846	6240	
LCS 100 MR	1	LCS	10:51	12		SOIL	SOIL	SW846	6240	
AC18873-012	1	SMP	10:55	13	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-012	1	MR	10:58	14	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-011	1	MS	11:01	15	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-013	1	MS	11:05	16	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-012	1	PS	11:09	17	PPMETALS-S	SOIL	SOIL	SW846	6240	
CCV V-4510	1	CCV	11:13	18						
CCB	1	CCB	11:16	19						
AC18873-001	1	SMP	11:19	20	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-001	5	SD	11:22	21	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-002	1	SMP	11:24	22	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-003	1	SMP	11:27	23	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-005	1	SMP	11:30	24	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-006	1	SMP	11:34	25	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-007	1	SMP	11:38	26	PPMETALS-S	SOIL	SOIL	SW846	6240	
CCV V-4510	1	CCV	11:41	27						
CCB	1	CCB	11:44	28						
AC18873-008	1	SMP	11:47	29	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-009	1	SMP	11:50	30	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-010	1	SMP	11:53	31	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-014	1	SMP	11:56	32	PPMETALS-S	SOIL	AQUEO	SW846	6240	
AC18873-015	1	SMP	12:00	33	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-016	1	SMP	12:02	34	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-017	1	SMP	12:05	35	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-018	1	SMP	12:09	36	PPMETALS-S	SOIL	SOIL	SW846	6240	
CCV V-4510	1	CCV	12:11	37						
CCB	1	CCB	12:14	38						
AC18873-019	1	SMP	12:17	39	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-020	1	SMP	12:21	40	PPMETALS-S	SOIL	SOIL	SW846	6240	
MB.FB.(1)	1	MB	12:24	41		SOIL	AQUEO	SW846	6240	
LCSW	1	LCS	12:27	42		SOIL	AQUEO	SW846	6240	
ICSA V-4505	1	ICSA	12:31	43						
ICSAB V-4506	1	ICSAB	12:34	44						
CCV V-4510	1	CCV	12:37	45						
CCB	1	CCB	12:40	46						

*ABell 8/10/05*

*Shiamal Paul - 8/10/05*

*Shiamal Paul*

# Run Log

Data File: W:\METALS.FRM\ICPDATA\PeIcp1\56240B.TXT

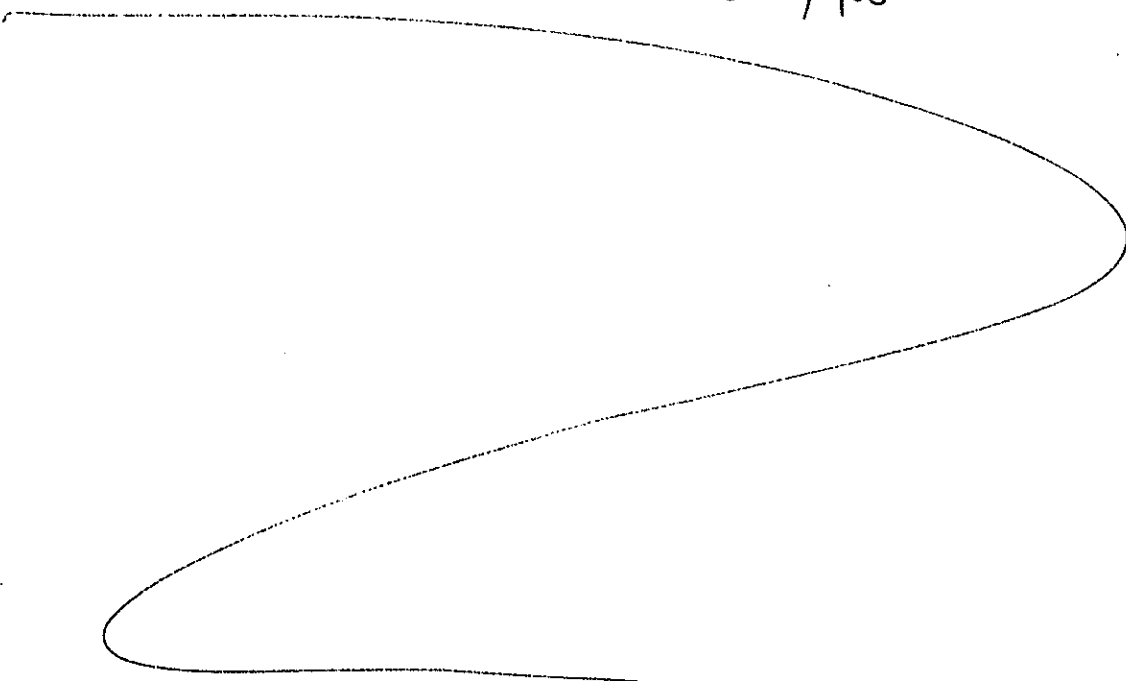
Instrument: PEICPI

Analysis Date: 08/10/05

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blank 1	1	CAL	17:37	1						
Calib Std 1	1	CAL	17:40	2						
Calib Std 2	1	CAL	17:43	3						
Calib Std 3	1	CAL	17:45	4						
ICS V-4509	1	ICS	17:48	5						
ICV V-4847 (2)	1	ICV	17:51	6						
ICB V-5157	1	ICB	17:54	7						
ICSA V-4505	1	ICSA	17:58	8						
ICSAB V-4506	1	ICSAB	18:01	9						
MB 6240 (100)	1	MB	18:03	10		SOIL	SOIL	SW846	6240	
LCS 100	1	LCS	18:06	11		SOIL	SOIL	SW846	6240	
LCS 100 MR	1	LCS	18:10	12		SOIL	SOIL	SW846	6240	
AC18873-012	1	SMP	18:13	13	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-012	1	MR	18:16	14	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-011	1	MS	18:19	15	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-013	1	MS	18:22	16	PPMETALS-S	SOIL	SOIL	SW846	6240	
CCV V-4510	1	CCV	18:26	17						
CCB	1	CCB	18:29	18						
AC18873-012	1	PS	18:32	19	PPMETALS-S	SOIL	SOIL	SW846	6240	
AC18873-012	5	SD	18:35	20	PPMETALS-S	SOIL	SOIL	SW846	6240	
ICSA V-4505	1	ICSA	18:39	21						
ICSAB V-4506	1	ICSAB	18:42	22						
CCV V-4510	1	CCV	18:45	23						
CCB	1	CCB	18:47	24						

*Shiannal Bal 8/11/05*

*Case 8/11/05*



*Shiannal Bal 8/11/05*

Veritech Standard Receipt Log

1203

**Veritech Control/Receipt Number: 704**

Description
3001 Silica Gel

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
EM	7734-7	TA1228634	06/28/04	06/27/07	dave	1	2500		

**Veritech Control/Receipt Number: 796**

Description
2110 Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK-212	1104050	09/16/04	09/15/05	dave	60	2.5		

**Veritech Control/Receipt Number: 1134**

Description
Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK-212	1105010	05/06/05	05/05/06	Balashanthan, Shi	60	2.5L	NEAT	NEAT

**Veritech Control/Receipt Number: 1141**

Description
Hydrogen Peroxide 30%

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	H325-4	043205	05/24/05	05/23/06	Miller,Gael E.	2	4 liter	neat	neat

**Veritech Control/Receipt Number: 1142**

Description
Hydrochloric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4104120	05/19/05	05/18/06	Miller,Gael E.	18	2.5 lit	neat	neat

**Veritech Control/Receipt Number: 1237**

Description
ICV1

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG	ZHAMPCLK#5	011000A	06/30/05	06/29/06	Miller,Gael E.	2	500	VARIOU	UG/ML

**Veritech Control/Receipt Number: 1238**

Description
ICV2

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG	ZHAMPCLK#6	011000B	06/30/05	06/29/06	Miller,Gael E.	2	500	VARIOU	UG/ML

Veritech Internally Prepared Standard Log

1204

**Veritech Lot Number: V-1613**

Prepared By: Soules, John		Department: Metals		
Description: Hydroxylamine Hydrochloride		BatchNumber:		
Prep Date: 3/14/2005		Concentration: reagent		
Expiration Date: 9/10/2005		Final Volume: 10 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
555	2029 NaCl	1200 g		
784	2108 Hydroxylamine Hydrochloride	1200 g		

**Veritech Lot Number: V-2627**

Prepared By: Soules, John		Department: Metals		
Description: 5% Potassium Permanganate		BatchNumber:		
Prep Date: 4/22/2005		Concentration: reagent		
Expiration Date: 1/6/2008		Final Volume: 20 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
918	2121 Potassium Permanganate	1000		

**Veritech Lot Number: V-2628**

Prepared By: Soules, John		Department: Metals		
Description: 5% Potassium Persulfate		BatchNumber:		
Prep Date: 4/22/2005		Concentration: reagent		
Expiration Date: 10/19/2005		Final Volume: 10 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
713	2097 Potassium Persulfate	500 g		

**Veritech Lot Number: V-5595**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate standard		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: 10 ppm		
Expiration Date: 8/9/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2 ml		
1166	Mercury	.1 ml	1000 mg/l	

**Veritech Lot Number: V-5596**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate control		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: 10 ppm		
Expiration Date: 8/9/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1183	Mercury	.1 ml	1000 mg/l	
796	2110 Nitric Acid	2 ml		

Veritech Internally Prepared Standard Log

1205

**Veritech Lot Number: V-5597**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: reagent		
Expiration Date: 8/9/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
1142	Hydrochloric Acid	30 ml	neat neat	

**Veritech Lot Number: V-5598**

Prepared By: Soules, John		Department: Metals		
Description: SnCl2		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: reagent reagent		
Expiration Date: 8/9/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
924	2122 SnCL2	13.2 g		

**Veritech Lot Number: V-5599**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous ICV 20ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 20 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5596	Hg intermediate control	2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5600**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous CCV 10ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5596	Hg intermediate control	1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-5601

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

## Veritech Lot Number: V-5602

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.05 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

## Veritech Lot Number: V-5603

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

## Veritech Lot Number: V-5604

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-5605

Prepared By: Soules, John Description: Hg aqueous standard 5ppb Prep Date: 8/9/2005 Expiration Date: 8/9/2005					Department: Metals BatchNumber: B-575 Concentration: 5 ppb Final Volume: 136 ml				
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc					
1014	DI water (fill to volume)								
796	2110 Nitric Acid	2.5 ml							
V-5595	Hg intermediate standard	.5 ml	10 ppm						
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent						
V-2628	5% Potassium Persulfate	8 ml	reagent						
V-2627	5% Potassium Permanganate	15 ml	reagent						
884	2118 Sulfuric Acid	5 ml							

## Veritech Lot Number: V-5606

Prepared By: Soules, John Description: Hg aqueous standard 10 ppb Prep Date: 8/9/2005 Expiration Date: 8/9/2005					Department: Metals BatchNumber: B-575 Concentration: 10 ppb Final Volume: 136 ml				
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc					
1014	DI water (fill to volume)								
796	2110 Nitric Acid	2.5 ml							
V-5595	Hg intermediate standard	1 ml	10 ppm						
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent						
V-2628	5% Potassium Persulfate	8 ml	reagent						
884	2118 Sulfuric Acid	5 ml							
V-2627	5% Potassium Permanganate	15 ml	reagent						

## Veritech Lot Number: V-5607

Prepared By: Soules, John Description: Hg aqueous standard 25 ppb Prep Date: 8/9/2005 Expiration Date: 8/9/2005					Department: Metals BatchNumber: B-575 Concentration: 25 ppb Final Volume: 136 ml				
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc					
1014	DI water (fill to volume)								
796	2110 Nitric Acid	2.5 ml							
V-5595	Hg intermediate standard	2.5 ml	10 ppm						
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent						
V-2628	5% Potassium Persulfate	8 ml	reagent						
V-2627	5% Potassium Permanganate	15 ml	reagent						
884	2118 Sulfuric Acid	5 ml							

## Veritech Lot Number: V-5608

Prepared By: Soules, John Description: Hg soil ICV 20ppb Prep Date: 8/9/2005 Expiration Date: 8/9/2005					Department: Metals BatchNumber: B-575 Concentration: 20 ppb Final Volume: 136 ml				
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc					
1014	DI water (fill to volume)								
V-5596	Hg intermediate control	2 ml	10 ppm						
V-5597	Auqaregia	5 ml	reagent						
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent						
V-2627	5% Potassium Permanganate	15 ml	reagent						

Veritech Internally Prepared Standard Log

1208

**Veritech Lot Number: V-5609**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil CCV 10ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5596	Hg intermediate control	1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5610**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: reagent reagent		
Expiration Date: 8/9/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
884	2118 Sulfuric Acid	30 ml		

**Veritech Lot Number: V-5611**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard blk		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 0		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5612**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard .5 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: .5 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5595	Hg intermediate standard	.05 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	



Veritech Internally Prepared Standard Log

1209

**Veritech Lot Number: V-5613**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 1 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 1 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5614**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 2 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 2 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.2 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5615**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 5 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 5 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.5 ml	10 ppm	

**Veritech Lot Number: V-5616**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 10 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

Veritech Internally Prepared Standard Log

1210

**Veritech Lot Number: V-5617**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 25 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 25 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	2.5 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

Veritech Standard Receipt Log

1211

**Veritech Control/Receipt Number: 555**

Description
2029 NaCl

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	s271-10	037713	04/27/04	04/26/07	dave	2	1000		

**Veritech Control/Receipt Number: 713**

Description
2097 Potassium Persulfate

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	035701	07/09/04	07/08/07	dave	4	500		

**Veritech Control/Receipt Number: 784**

Description
2108 Hydroxylamine Hydrochloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	H330-1	041927	09/13/04	09/12/07	dave	3	0		

**Veritech Control/Receipt Number: 796**

Description
2110 Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK-212	1104050	09/16/04	09/15/05	dave	60	2.5		

**Veritech Control/Receipt Number: 884**

Description
2118 Sulfuric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3103091	12/14/04	12/13/05	dave	12	2500		

**Veritech Control/Receipt Number: 918**

Description
2121 Potassium Permanganate

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	040846	01/07/05	01/06/08	dave	1	0		

**Veritech Control/Receipt Number: 924**

Description
2122 SnCL2

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	T142-3	045380	01/10/05	01/09/08	dave	1	0		

Veritech Standard Receipt Log

1212

**Veritech Control/Receipt Number: 1014**

Description
DI water (fill to volume)

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

**Veritech Control/Receipt Number: 1142**

Description
Hydrochloric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4104120	05/19/05	05/18/06	Miller,Gael E.	18	2.5 lit	neat	neat

**Veritech Control/Receipt Number: 1166**

Description
Mercury

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Spex	PLHG4-2Y	11-118HG	06/01/05	05/31/06	Miller,Gael E.	1	100	1000	mg/L

**Veritech Control/Receipt Number: 1183**

Description
Mercury

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Labs	HGP1-1-X	HGP1G	06/02/05	06/01/06	Miller,Gael E.	1	100	1000	mg/L

Veritech Internally Prepared Standard Log

1213

**Veritech Lot Number: V-1613**

Prepared By: Soules, John		Department: Metals		
Description: Hydroxylamine Hydrochloride		BatchNumber:		
Prep Date: 3/14/2005		Concentration: reagent		
Expiration Date: 9/10/2005		Final Volume: 10 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
555	2029 NaCl	1200 g		
784	2108 Hydroxylamine Hydrochloride	1200 g		

**Veritech Lot Number: V-2627**

Prepared By: Soules, John		Department: Metals		
Description: 5% Potassium Permanganate		BatchNumber:		
Prep Date: 4/22/2005		Concentration: reagent		
Expiration Date: 1/6/2008		Final Volume: 20 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
918	2121 Potassium Permanganate	1000		

**Veritech Lot Number: V-2628**

Prepared By: Soules, John		Department: Metals		
Description: 5% Potassium Persulfate		BatchNumber:		
Prep Date: 4/22/2005		Concentration: reagent		
Expiration Date: 10/19/2005		Final Volume: 10 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
713	2097 Potassium Persulfate	500 g		

**Veritech Lot Number: V-5595**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate standard		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: 10 ppm		
Expiration Date: 8/9/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2 ml		
1166	Mercury	.1 ml	1000 mg/l	

**Veritech Lot Number: V-5596**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate control		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: 10 ppm		
Expiration Date: 8/9/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1183	Mercury	.1 ml	1000 mg/l	
796	2110 Nitric Acid	2 ml		

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**Veritech Lot Number: V-5597**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: reagent		
Expiration Date: 8/9/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
1142	Hydrochloric Acid	30 ml	neat neat	

**Veritech Lot Number: V-5598**

Prepared By: Soules, John		Department: Metals		
Description: SnCl2		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: reagent reagent		
Expiration Date: 8/9/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
924	2122 SnCL2	13.2 g		

**Veritech Lot Number: V-5599**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous ICV 20ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 20 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5596	Hg intermediate control	2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5600**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous CCV 10ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5596	Hg intermediate control	1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

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**Veritech Lot Number: V-5601**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard blk		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 0		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5602**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard .5ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: .5 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.05 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5603**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 1ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 1 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5604**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 2 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 2 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

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## Veritech Lot Number: V-5605

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	.5 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

## Veritech Lot Number: V-5606

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

## Veritech Lot Number: V-5607

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5595	Hg intermediate standard	2.5 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

## Veritech Lot Number: V-5608

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5596	Hg intermediate control	2 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	



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**Veritech Lot Number: V-5609**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil CCV 10ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5596	Hg intermediate control	1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5610**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: reagent reagent		
Expiration Date: 8/9/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
884	2118 Sulfuric Acid	30 ml		

**Veritech Lot Number: V-5611**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard blk		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 0		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5612**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard .5 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: .5 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5595	Hg intermediate standard	.05 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

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**Veritech Lot Number: V-5613**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 1 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 1 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5614**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 2 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 2 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.2 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5615**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 5 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 5 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	.5 ml	10 ppm	

**Veritech Lot Number: V-5616**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 10 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 10 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	1 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

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**Veritech Lot Number: V-5617**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 25 ppb		BatchNumber: B-575		
Prep Date: 8/9/2005		Concentration: 25 ppb		
Expiration Date: 8/9/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5595	Hg intermediate standard	2.5 ml	10 ppm	
V-5597	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5628**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate standard		BatchNumber: B-577		
Prep Date: 8/10/2005		Concentration: 10 ppm		
Expiration Date: 8/10/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2 ml		
1166	Mercury	.1 ml	1000 mg/l	

**Veritech Lot Number: V-5629**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate control		BatchNumber: B-577		
Prep Date: 8/10/2005		Concentration: 10 ppm		
Expiration Date: 8/10/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1183	Mercury	.1 ml	1000 mg/l	
796	2110 Nitric Acid	2 ml		

**Veritech Lot Number: V-5630**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-577		
Prep Date: 8/10/2005		Concentration: reagent		
Expiration Date: 8/10/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
1142	Hydrochloric Acid	30 ml	neat neat	

**Veritech Lot Number: V-5631**

Prepared By: Soules, John		Department: Metals		
Description: SnCl2		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: reagent reagent		
Expiration Date: 8/10/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
924	2122 SnCL2	13.2 g		

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**Veritech Lot Number: V-5632**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous ICV 20ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 20 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5629	Hg intermediate control	2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5633**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous CCV 10ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 10 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5629	Hg intermediate control	1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5634**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard blk		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 0		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5635**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard .5ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: .5 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	.05 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

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**Veritech Lot Number: V-5636**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 1ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 1 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	.1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5637**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 2 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 2 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	.2 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5638**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 5ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 5 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	.5 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5639**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 10 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 10 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	1 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
884	2118 Sulfuric Acid	5 ml		
V-2627	5% Potassium Permanganate	15 ml	reagent	

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**Veritech Lot Number: V-5640**

Prepared By: Soules, John		Department: Metals		
Description: Hg aqueous standard 25 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 25 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	2.5 ml		
V-5628	Hg intermediate standard	2.5 ml	10 ppm	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2628	5% Potassium Persulfate	8 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
884	2118 Sulfuric Acid	5 ml		

**Veritech Lot Number: V-5641**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil ICV 20ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 20 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5629	Hg intermediate control	2 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5642**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil CCV 10ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 10 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5629	Hg intermediate control	1 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5643**

Prepared By: Soules, John		Department: Metals		
Description: Auqaregia		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: reagent reagent		
Expiration Date: 8/10/2005		Final Volume: 40 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	10 ml		
884	2118 Sulfuric Acid	30 ml		

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**Veritech Lot Number: V-5644**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard blk		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 0		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5645**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard .5 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: .5 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
V-5628	Hg intermediate standard	.05 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5646**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 1 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 1 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5628	Hg intermediate standard	.1 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5647**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 2 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 2 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5628	Hg intermediate standard	.2 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

Veritech Internally Prepared Standard Log

1224

**Veritech Lot Number: V-5648**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 5 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 5 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	
1014	DI water (fill to volume)	110 ml		
V-5628	Hg intermediate standard	.5 ml	10 ppm	

**Veritech Lot Number: V-5649**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 10 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 10 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5628	Hg intermediate standard	1 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	

**Veritech Lot Number: V-5650**

Prepared By: Soules, John		Department: Metals		
Description: Hg soil standard 25 ppb		BatchNumber: B-578		
Prep Date: 8/10/2005		Concentration: 25 ppb		
Expiration Date: 8/10/2005		Final Volume: 136 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)	110 ml		
V-5628	Hg intermediate standard	2.5 ml	10 ppm	
V-5630	Auqaregia	5 ml	reagent	
V-1613	Hydroxylamine Hydrochloride	6 ml	reagent	
V-2627	5% Potassium Permanganate	15 ml	reagent	



## Veritech Standard Receipt Log

1225

**Veritech Control/Receipt Number: 555**

Description

2029 NaCl

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	s271-10	037713	04/27/04	04/26/07	dave	2	1000		

**Veritech Control/Receipt Number: 713**

Description

2097 Potassium Persulfate

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	P282-500	035701	07/09/04	07/08/07	dave	4	500		

**Veritech Control/Receipt Number: 784**

Description

2108 Hydroxylamine Hydrochloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	H330-1	041927	09/13/04	09/12/07	dave	3	0		

**Veritech Control/Receipt Number: 796**

Description

2110 Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK-212	1104050	09/16/04	09/15/05	dave	60	2.5		

**Veritech Control/Receipt Number: 884**

Description

2118 Sulfuric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A510SK-212	3103091	12/14/04	12/13/05	dave	12	2500		

**Veritech Control/Receipt Number: 918**

Description

2121 Potassium Permanganate

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	040846	01/07/05	01/06/08	dave	1	0		

**Veritech Control/Receipt Number: 924**

Description

2122 SnCL2

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	T142-3	045380	01/10/05	01/09/08	dave	1	0		

Veritech Standard Receipt Log

1226

**Veritech Control/Receipt Number: 1014**

Description
DI water (fill to volume)

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

**Veritech Control/Receipt Number: 1142**

Description
Hydrochloric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4104120	05/19/05	05/18/06	Miller, Gael E.	18	2.5 lit	neat	neat

**Veritech Control/Receipt Number: 1166**

Description
Mercury

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Spex	PLHG4-2Y	11-118HG	06/01/05	05/31/06	Miller, Gael E.	1	100	1000	mg/L

**Veritech Control/Receipt Number: 1183**

Description
Mercury

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Labs	HGP1-1-X	HGP1G	06/02/05	06/01/06	Miller, Gael E.	1	100	1000	mg/L

## Veritech Internally Prepared Standard Log

## Veritech Lot Number: V-2627

Prepared By: Soules, John		Department: Metals		
Description: 5% Potassium Permanganate		BatchNumber:		
Prep Date: 4/22/2005		Concentration: reagent		
Expiration Date: 1/6/2008		Final Volume: 20 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
918	2121 Potassium Permanganate	1000		

## Veritech Lot Number: V-4503

Prepared By: Soules, John		Department: Metals		
Description: 1:1 HNO3		BatchNumber:		
Prep Date: 6/30/2005		Concentration: Reagent		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	500 ml		

## Veritech Lot Number: V-4505

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: ICSA		BatchNumber:		
Prep Date: 6/30/2005		Concentration: MULTI mg/l		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
796	2110 Nitric Acid	50 ml		
1035	ICSA	50 ml	multi	
1014	DI water (fill to volume)			
1103	Hydrochloric Acid	50 ml	NEAT neat	

## Veritech Lot Number: V-4506

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: ICSAB		BatchNumber:		
Prep Date: 6/30/2005		Concentration: MULTI multi		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1114	ICSAB	10 ml	ml	
796	2110 Nitric Acid	50 ml		
1035	ICSA	50 ml	multi	
1103	Hydrochloric Acid	50 ml	NEAT neat	

## Veritech Lot Number: V-4509

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: ICS3 - High std		BatchNumber:		
Prep Date: 6/30/2005		Concentration: MULTI multi		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	50 ml		
933	2125 ICS1 standards	10 ml		
934	2126 ICS2 standards	10 ml		
1103	Hydrochloric Acid	50 ml	NEAT neat	

Veritech Internally Prepared Standard Log

1228

**Veritech Lot Number: V-4510**

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: CCV		BatchNumber:		
Prep Date: 6/30/2005		Concentration: MULTI multi		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	50 ml		
1237	ICV1	10 ml	VARIOUS ug	
1103	Hydrochloric Acid	50 ml	NEAT neat	
1238	ICV2	10 ml	VARIOUS ug	

**Veritech Lot Number: V-4514**

Prepared By: Soules, John		Department: Metals		
Description: Hydroxylamine Hydrochloride		BatchNumber:		
Prep Date: 7/5/2005		Concentration: reagent		
Expiration Date: 9/10/2005		Final Volume: 10 l		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
555	2029 NaCl	1200 g		
784	2108 Hydroxylamine Hydrochloride	200 g		
916	2120 Hydroxylamine Hydrochloride	1000 g		

**Veritech Lot Number: V-4847**

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: ICV		BatchNumber:		
Prep Date: 7/14/2005		Concentration: MULTI multi		
Expiration Date: 9/15/2005		Final Volume: 500 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	25 ml		
1103	Hydrochloric Acid	25 ml	NEAT neat	
1237	ICV1	10 ml	VARIOUS ug	
1238	ICV2	10 ml	VARIOUS ug	

**Veritech Lot Number: V-5157**

Prepared By: Balashanthan, Shiamala		Department: Metals		
Description: ICB/CCB		BatchNumber:		
Prep Date: 7/27/2005		Concentration: 0 mg/l		
Expiration Date: 9/15/2005		Final Volume: 1000 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
796	2110 Nitric Acid	50 ml		
1142	Hydrochloric Acid	50 ml	neat neat	

**Veritech Lot Number: V-5596**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate control		BatchNumber: B-574		
Prep Date: 8/9/2005		Concentration: 10 ppm		
Expiration Date: 8/9/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1183	Mercury	.1 ml	1000 mg/l	
796	2110 Nitric Acid	2 ml		

Veritech Internally Prepared Standard Log

1229

**Veritech Lot Number: V-5629**

Prepared By: Soules, John		Department: Metals		
Description: Hg intermediate control		BatchNumber: B-577		
Prep Date: 8/10/2005		Concentration: 10 ppm		
Expiration Date: 8/10/2005		Final Volume: 100 ml		
Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
1014	DI water (fill to volume)			
1183	Mercury	.1 ml	1000 mg/l	
796	2110 Nitric Acid	2 ml		

Veritech Standard Receipt Log

1230

**Veritech Control/Receipt Number: 555**

Description
2029 NaCl

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	s271-10	037713	04/27/04	04/26/07	dave	2	1000		

**Veritech Control/Receipt Number: 784**

Description
2108 Hydroxylamine Hydrochloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	H330-1	041927	09/13/04	09/12/07	dave	3	0		

**Veritech Control/Receipt Number: 796**

Description
2110 Nitric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A509SK-212	1104050	09/16/04	09/15/05	dave	60	2.5		

**Veritech Control/Receipt Number: 916**

Description
2120 Hydroxylamine Hydrochloride

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	H330-1	041927	01/06/05	01/05/08	dave	2	1000		

**Veritech Control/Receipt Number: 918**

Description
2121 Potassium Permanganate

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
FISHER	P279-212	040846	01/07/05	01/06/08	dave	1	0		

**Veritech Control/Receipt Number: 933**

Description
2125 ICS1 standards

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	ICS1	05A050	01/20/05	01/19/06	dave	1	0		

**Veritech Control/Receipt Number: 934**

Description
2126 ICS2 standards

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	ICS2	05A050	01/20/05	01/19/06	dave	1	0		

Veritech Standard Receipt Log

1231

**Veritech Control/Receipt Number: 1014**

Description
DI water (fill to volume)

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
US Filter	NA	NA			Mathews, Dave	1	0		

**Veritech Control/Receipt Number: 1035**

Description
ICSA

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
CPI	4400-050105JC03	05C029	03/04/05	03/03/06	Mathews, Dave	2	500	multi	

**Veritech Control/Receipt Number: 1103**

Description
Hydrochloric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK212	4104090	04/21/05	04/20/06	Smith, Greg	12	2.5L	NEAT	NEAT

**Veritech Control/Receipt Number: 1114**

Description
ICSAB

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG Labs	ZHAMPTON#2	0099940B	05/02/05	04/01/06	Mathews, Dave	1	500		ml

**Veritech Control/Receipt Number: 1142**

Description
Hydrochloric Acid

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
Fisher	A508SK-212	4104120	05/19/05	05/18/06	Miller, Gael E.	18	2.5 lit	neat	neat

**Veritech Control/Receipt Number: 1183**

Description
Mercury

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
MV Labs	HGP1-1-X	HGP1G	06/02/05	06/01/06	Miller, Gael E.	1	100	1000	mg/L

**Veritech Control/Receipt Number: 1237**

Description
ICV1

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG	ZHAMPCCLK#5	011000A	06/30/05	06/29/06	Miller, Gael E.	2	500	VARIOU	UG/ML

Veritech Standard Receipt Log

1232

Veritech Control/Receipt Number: 1238

Description
ICV2

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume /Cont	Conc:	Units:
VHG	ZHAMPCLK#6	011000B	06/30/05	06/29/06	Miller,Gael E.	2	500	VARIOU	UG/ML



VJ

Date file: S6240A

Bakh (6240 (2011))

MS  
W

Method: PE1 Axial

Page 1

Date: 8/10/05 10:25:09 AM

Analysis: Perm. Shianalant 8/10/05

Method: PE1 Axial

IEC: 121704.IEC

MSF:

Results: S6240A

Spectra Stored: Yes

Method Stored: Yes

Sample Info: s6240a

User: User1

Date: 8/10/05 10:17:38 AM

Method Description: 200.7/SW846

2nd Rev: Ball 8/15/05

Mean Data

ID: Calib Blank 1

Seq. No.: 1

A/S Pos: 1

Data: Original

Date: 8/10/05 10:19:02 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-314.4	48.67	15.48%	0	mg/L
Al 308.215	5857.8	37.23	0.64%	0	mg/L
Ba 233.527	-4.4	2.83	63.99%	0	mg/L
Ca 315.887	-14287.3	189.50	1.33%	0	mg/L
Cd 226.502	-186.1	2.48	1.33%	0	mg/L
Co 228.616	-85.9	3.00	3.49%	0	mg/L
Cu 324.754	8217.2	24.61	0.30%	0	mg/L
Fe 273.955	1118.7	11.89	1.06%	0	mg/L
Mg 279.079	1033.4	3.77	0.37%	0	mg/L
Mn 257.610	729.0	0.73	0.10%	0	mg/L
Se 196.026	51.9	4.99	9.62%	0	mg/L
V 292.402	-179.8	54.06	30.08%	0	mg/L
Zn 206.200	534.6	7.08	1.33%	0	mg/L
Na 330.237	931.9	43.97	4.72%	0	mg/L
Ti 334.941	-246.7	12.46	5.05%	0	mg/L
Mo 202.030	-102.0	0.17	0.16%	0	mg/L
Sn 189.933	-10.0	3.34	33.43%	0	mg/L
Be 234.861	-336.2	8.60	2.56%	0	mg/L
As 188.979	-35.7	5.80	16.26%	0	mg/L
Sb 206.833	67.7	3.42	5.05%	0	mg/L
Cr 206.158	152.3	2.98	1.95%	0	mg/L
Pb 220.353	18.5	3.54	19.13%	0	mg/L
Ni 231.604	5.2	6.02	116.64%	0	mg/L
Tl 190.800	-62.8	0.95	1.52%	0	mg/L

Mean Data

ID: Calib Std 1

Seq. No.: 2

A/S Pos: 160

Data: Original

Date: 8/10/05 10:21:46 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	1181.7	18.84	1.59%	0.010	mg/L
Al 308.215	7021.5	76.98	1.10%	0.10	mg/L
Ba 233.527	506.3	2.21	0.44%	0.010	mg/L
Ca 315.887	23731.0	491.91	2.07%	1.0	mg/L
Cd 226.502	928.0	5.43	0.58%	0.010	mg/L
Co 228.616	257.9	2.02	0.78%	0.010	mg/L
Cu 324.754	9329.6	17.51	0.19%	0.010	mg/L
Fe 273.955	2500.6	82.90	3.32%	0.10	mg/L
Mg 279.079	13876.6	34.30	0.25%	1.0	mg/L
Mn 257.610	6231.9	7.97	0.13%	0.010	mg/L
Se 196.026	108.9	3.06	2.81%	0.010	mg/L
V 292.402	1606.5	72.90	4.54%	0.010	mg/L
Zn 206.200	767.3	7.51	0.98%	0.010	mg/L
Na 330.237	1458.0	50.98	3.50%	1.0	mg/L
Ti 334.941	5255.3	27.89	0.53%	0.010	mg/L
Mo 202.030	80.6	1.50	1.86%	0.010	mg/L
Sn 189.933	73.2	4.98	6.81%	0.010	mg/L
Be 234.861	5147.1	26.36	0.51%	0.010	mg/L
As 188.979	-5.8	1.32	22.50%	0.010	mg/L
Sb 206.833	106.6	0.68	0.64%	0.010	mg/L
Cr 206.158	412.4	1.17	0.28%	0.010	mg/L
Pb 220.353	68.5	5.87	8.57%	0.010	mg/L
Ni 231.604	223.4	0.54	0.24%	0.010	mg/L
Tl 190.800	-43.6	0.21	0.48%	0.010	mg/L

6240

Except 18873-012, mR }  
(cumg sample) 18873-001 (msr) }  
18873-013 (msr) }  
all the others were  
repon.

Mean Data

ID: Calib Std 2

Seq. No.: 3

A/S Pos: 3

Data: Original

Date: 8/10/05 10:24:39 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	74936.5	568.34	0.76%	0.50	mg/L
Al 308.215	95260.5	1217.43	1.28%	5.0	mg/L
Ba 233.527	25515.1	424.89	1.67%	0.50	mg/L
Ca 315.887	2043396.5	20875.08	1.02%	50	mg/L
Cd 226.502	54511.6	619.11	1.14%	0.50	mg/L
Co 228.616	15818.7	15.04	0.10%	0.50	mg/L
Cu 324.754	78628.2	1204.50	1.53%	0.50	mg/L
Fe 273.955	80190.3	1172.00	1.46%	5.0	mg/L
Mg 279.079	672245.6	6366.11	0.95%	50	mg/L
Mn 257.610	279771.4	3403.97	1.22%	0.50	mg/L
Se 196.026	3360.3	0.06	0.00%	0.50	mg/L
V 292.402	88340.0	1001.92	1.13%	0.50	mg/L
Zn 206.200	24393.2	380.70	1.56%	0.50	mg/L
Na 330.237	38522.3	519.69	1.35%	50	mg/L
Pb 220.353	2475.7	3.46	0.14%	0.50	mg/L
Ni 231.604	10794.8	3.13	0.03%	0.50	mg/L
Tl 190.800	815.1	6.25	0.77%	0.50	mg/L

Mean Data

ID: Calib Std 3

Seq. No.: 4

A/S Pos: 2

Data: Original

Date: 8/10/05

10:27:25 AM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	154027.9	518.27	0.34%	1.0	mg/L
Al 308.215	179439.9	529.69	0.30%	10	mg/L
Ba 233.527	48417.3	26.78	0.06%	1.0	mg/L
Ca 315.887	3985172.3	8452.93	0.21%	100	mg/L
Cd 226.502	106695.6	321.11	0.30%	1.0	mg/L
Co 228.616	31203.8	27.80	0.09%	1.0	mg/L
Cu 324.754	149963.2	321.54	0.21%	1.0	mg/L
Fe 273.955	154923.7	355.07	0.23%	10	mg/L
Mg 279.079	1324385.5	4463.51	0.34%	100	mg/L
Mn 257.610	538583.3	864.31	0.16%	1.0	mg/L
Se 196.026	6607.6	30.77	0.47%	1.0	mg/L
V 292.402	171414.2	567.39	0.33%	1.0	mg/L
Zn 206.200	45899.0	78.43	0.17%	1.0	mg/L
Na 330.237	80740.2	245.32	0.30%	100	mg/L
Ti 334.941	540754.6	1704.60	0.32%	1.0	mg/L
Mo 202.030	17408.0	38.58	0.22%	1.0	mg/L
Sn 189.933	9593.6	15.62	0.16%	1.0	mg/L
Be 234.861	544529.0	840.07	0.15%	1.0	mg/L
As 188.979	2706.5	5.44	0.20%	1.0	mg/L
Sb 206.833	3902.9	14.36	0.37%	1.0	mg/L
Cr 206.158	25574.3	93.11	0.36%	1.0	mg/L
Pb 220.353	4838.6	20.85	0.43%	1.0	mg/L
Ni 231.604	20969.5	63.69	0.30%	1.0	mg/L
Tl 190.800	1679.6	8.38	0.50%	1.0	mg/L

Calibration Summary

Method: PE1 Axial

Date: 8/10/05

10:27:52 AM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	153194.1	0.00000	0.999888
Al 308.215	3	Linear	6073.4	17436.2	0.00000	0.999862
Ba 233.527	3	Linear-thru-Zero	0.0	48940.0	0.00000	0.999581
Ca 315.887	3	Linear-thru-Zero	0.0	40053.7	0.00000	0.999893
Cd 226.502	3	Linear-thru-Zero	0.0	107159.9	0.00000	0.999929
Co 228.616	3	Linear-thru-Zero	0.0	31290.1	0.00000	0.999969
Cu 324.754	3	Linear	7994.7	141827.6	0.00000	0.999994

Table with 7 columns: Element, Multiplier, Method, Mean, Std. Dev., Conc., and Recovery. Lists elements from Fe to Tl with their respective values.

Mean Data ID: ICS V-4509 Seq. No.: 5 Sample No.: 7 A/S Pos: 2 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 10:29:56 AM

Table with 9 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Calib Units, Mean Conc., Std. Dev., Sample Units, and RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: ICV V-4847 (2) Seq. No.: 6 Sample No.: 1 A/S Pos: 159 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 10:32:46 AM

Table with 9 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Calib Units, Mean Conc., Std. Dev., Sample Units, and RSD. Lists elements from Ag to Ti with their respective values.

Mo 202.030	17580.0	1.00911	0.001991	mg/L	0.20%
Sn 189.933	9670.6	1.00379	0.003494	mg/L	0.35%
Be 234.861	550687.4	1.00849	0.009461	mg/L	0.94%
As 188.979	2765.8	1.01331	0.003233	mg/L	0.32%
Sb 206.833	3961.5	1.01131	0.002381	mg/L	0.24%
Cr 206.158	26512.8	1.03485	0.005596	mg/L	0.54%
Pb 220.353	4898.4	1.00889	0.001229	mg/L	0.12%
Ni 231.604	21494.6	1.01972	0.002786	mg/L	0.27%
Pt 190.800	1706.0	1.02265	0.000777	mg/L	0.08%

Mean Data

ID: ICB V-5157      Seq. No.: 7      Sample No.: 2      A/S Pos: 1  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      10:35:39 AM

Element	Mean Intensity	Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-236.9	-0.0015464	0.00022943	0.00022943	mg/L				14.84%
Al 308.215	5812.2	-0.0149783	0.00090085	0.00090085	mg/L				6.01%
Ba 233.527	6.1	0.0001240	0.00002626	0.00002626	mg/L				21.17%
Ca 315.887	-13945.9	-0.348180	0.0105950	0.0105950	mg/L				3.04%
Cd 226.502	-167.2	-0.0015604	0.00004968	0.00004968	mg/L				3.18%
Co 228.616	-76.8	-0.0024540	0.00002722	0.00002722	mg/L				1.11%
Cu 324.754	8484.4	0.0034528	0.00000144	0.00000144	mg/L				0.04%
Fe 273.955	1108.3	-0.0216705	0.00017064	0.00017064	mg/L				0.79%
Mg 279.079	1342.7	0.101078	0.0013102	0.0013102	mg/L				1.30%
Mn 257.610	787.5	0.0014508	0.00002403	0.00002403	mg/L				1.66%
Se 196.026	58.1	0.0006908	0.00149458	0.00149458	mg/L				216.34%
V 292.402	-206.0	-0.0011943	0.00009074	0.00009074	mg/L				7.60%
Zn 206.200	547.9	-0.0021996	0.00014708	0.00014708	mg/L				6.69%
Na 330.237	1009.8	1.26209	0.058991	0.058991	mg/L				4.67%
*QC exceeds upper limit for Na 330.237 Action = Continue									
Ti 334.941	-230.1	-0.0004235	0.00001642	0.00001642	mg/L				3.88%
Mo 202.030	-99.0	-0.0056855	0.00004609	0.00004609	mg/L				0.81%
Sn 189.933	25.5	0.0022282	0.00104847	0.00104847	mg/L				47.05%
Be 234.861	-287.2	-0.0005260	0.00002646	0.00002646	mg/L				5.03%
As 188.979	-35.2	-0.0043999	0.00063775	0.00063775	mg/L				14.49%
Sb 206.833	73.1	-0.0004523	0.00006423	0.00006423	mg/L				14.20%
Cr 206.158	158.4	-0.0042027	0.00014450	0.00014450	mg/L				3.44%
Pb 220.353	14.5	-0.0027656	0.00022924	0.00022924	mg/L				8.29%
Ni 231.604	15.5	-0.0023532	0.00047548	0.00047548	mg/L				20.21%
Pt 190.800	-58.9	0.0010316	0.00084444	0.00084444	mg/L				81.86%

Mean Data

ID: ICSA V-4505      Seq. No.: 8      Sample No.: 3      A/S Pos: 5  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      10:38:50 AM

Element	Mean Intensity	Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-202.0	-0.0013188	0.00038015	0.00038015	mg/L				28.83%
Al 308.215	7859895.9	450.375	2.6558	2.6558	mg/L				0.59%
Ba 233.527	-93.7	-0.0019146	0.00032201	0.00032201	mg/L				16.82%
Ca 315.887	17598221.8	439.366	1.5892	1.5892	mg/L				0.36%
Cd 226.502	1479.3	-0.0001859	0.00002244	0.00002244	mg/L				12.07%
Co 228.616	73.0	0.0023319	0.00017643	0.00017643	mg/L				7.57%
Cu 324.754	7562.9	0.0039723	0.00004260	0.00004260	mg/L				1.07%
Fe 273.955	2699117.7	174.856	0.4601	0.4601	mg/L				0.26%
Mg 279.079	6605405.4	497.241	1.6375	1.6375	mg/L				0.33%
Mn 257.610	-2298.2	-0.0042342	0.00002731	0.00002731	mg/L				0.64%
Se 196.026	-274.3	-0.0044614	0.00388762	0.00388762	mg/L				87.14%
V 292.402	7105.6	0.0001037	0.00002159	0.00002159	mg/L				20.82%
Zn 206.200	127.8	-0.0113924	0.00007363	0.00007363	mg/L				0.65%
Na 330.237	764.3	-5.02936	0.045478	0.045478	mg/L				0.90%
*QC exceeds lower limit for Na 330.237 Action = Continue									
Ti 334.941	-1812.7	-0.0033355	0.00005783	0.00005783	mg/L				1.73%
Mo 202.030	-193.2	-0.0040954	0.00078871	0.00078871	mg/L				19.26%
Sn 189.933	46.9	0.0044508	0.00004832	0.00004832	mg/L				1.09%
Be 234.861	-6512.7	0.0003172	0.00031290	0.00031290	mg/L				98.64%
As 188.979	-58.4	-0.0023180	0.00197382	0.00197382	mg/L				85.15%
Sb 206.833	118.0	-0.0017958	0.00165245	0.00165245	mg/L				92.02%
Cr 206.158	863.4	0.0008802	0.00014521	0.00014521	mg/L				16.50%

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Table with 5 columns: Element, Value 1, Value 2, Value 3, Value 4. Rows include Pb 220.353, Ni 231.604, Tl 190.800.

Mean Data ID: ICSAB V-4506 Seq. No.: 9 Sample No.: 4 A/S Pos: 6 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 10:42:10 AM Data: Original

Main table with 9 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: MB 6240 (100) Seq. No.: 10 Sample No.: 1 A/S Pos: 117 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 10:44:58 AM Data: Original

Main table with 9 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: LCS 100 Seq. No.: 11 Sample No.: 2 A/S Pos: 118 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 10:47:42 AM Data: Original

12384 AM

Element	Mean Intensity	Corr. Conc.	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	65392.6		0.426861	0.0031078	mg/L	0.426861	0.0031078	mg/L	0.73%
Al 308.215	82079.5		4.35911	0.038283	mg/L	4.35911	0.038283	mg/L	0.88%
Ba 233.527	22699.5		0.463823	0.0015930	mg/L	0.463823	0.0015930	mg/L	0.34%
Ca 315.887	1813560.6		45.2783	0.31846	mg/L	45.2783	0.31846	mg/L	0.70%
Cd 226.502	48621.2		0.453726	0.0033085	mg/L	0.453726	0.0033085	mg/L	0.73%
Co 228.616	14268.1		0.455994	0.0013161	mg/L	0.455994	0.0013161	mg/L	0.29%
Cu 324.754	76315.3		0.481716	0.0057341	mg/L	0.481716	0.0057341	mg/L	1.19%
Fe 273.955	77005.5		4.89777	0.044736	mg/L	4.89777	0.044736	mg/L	0.91%
Mg 279.079	595667.2		44.8406	0.40006	mg/L	44.8406	0.40006	mg/L	0.89%
Mn 257.610	255157.2		0.470092	0.0038666	mg/L	0.470092	0.0038666	mg/L	0.82%
Se 196.026	2906.5		0.434519	0.0020232	mg/L	0.434519	0.0020232	mg/L	0.47%
V 292.402	78649.2		0.449951	0.0038272	mg/L	0.449951	0.0038272	mg/L	0.85%
Zn 206.200	22440.2		0.476889	0.0020458	mg/L	0.476889	0.0020458	mg/L	0.43%
Na 330.237	33624.4		43.2662	0.42927	mg/L	43.2662	0.42927	mg/L	0.99%
Ti 334.941	241338.9		0.444075	0.0034620	mg/L	0.444075	0.0034620	mg/L	0.78%
Mo 202.030	7761.0		0.445486	0.0007714	mg/L	0.445486	0.0007714	mg/L	0.17%
Sn 189.933	4599.2		0.477172	0.0027110	mg/L	0.477172	0.0027110	mg/L	0.57%
Be 234.861	242468.5		0.444038	0.0048212	mg/L	0.444038	0.0048212	mg/L	1.09%
As 188.979	1217.2		0.450665	0.0037234	mg/L	0.450665	0.0037234	mg/L	0.83%
Sb 206.833	1794.1		0.447510	0.0023103	mg/L	0.447510	0.0023103	mg/L	0.52%
Cr 206.158	12532.4		0.480512	0.0021460	mg/L	0.480512	0.0021460	mg/L	0.45%
Pb 220.353	2222.3		0.454557	0.0006645	mg/L	0.454557	0.0006645	mg/L	0.15%
Ni 231.604	10290.7		0.486586	0.0013892	mg/L	0.486586	0.0013892	mg/L	0.29%
Tl 190.800	707.8		0.441050	0.0017015	mg/L	0.441050	0.0017015	mg/L	0.39%

Mean Data

ID: LCS 100 MR      Seq. No.: 12      Sample No.: 3      A/S Pos: 119  
Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      10:51:16 AM

Element	Mean Intensity	Corr. Conc.	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	64505.1		0.421067	0.0040303	mg/L	0.421067	0.0040303	mg/L	0.96%
Al 308.215	81683.4		4.33639	0.050033	mg/L	4.33639	0.050033	mg/L	1.15%
Ba 233.527	22425.1		0.458217	0.0033853	mg/L	0.458217	0.0033853	mg/L	0.74%
Ca 315.887	1804701.9		45.0571	0.36211	mg/L	45.0571	0.36211	mg/L	0.80%
Cd 226.502	48240.9		0.450176	0.0043576	mg/L	0.450176	0.0043576	mg/L	0.97%
Co 228.616	14066.5		0.449550	0.0030272	mg/L	0.449550	0.0030272	mg/L	0.67%
Cu 324.754	76804.4		0.485165	0.0068694	mg/L	0.485165	0.0068694	mg/L	1.42%
Fe 273.955	78742.9		5.01039	0.052941	mg/L	5.01039	0.052941	mg/L	1.06%
Mg 279.079	591144.6		44.5001	0.44286	mg/L	44.5001	0.44286	mg/L	1.00%
Mn 257.610	255078.4		0.469947	0.0046108	mg/L	0.469947	0.0046108	mg/L	0.98%
Se 196.026	2839.1		0.424255	0.0031530	mg/L	0.424255	0.0031530	mg/L	0.74%
V 292.402	78101.5		0.446821	0.0052068	mg/L	0.446821	0.0052068	mg/L	1.17%
Zn 206.200	23025.5		0.489699	0.0042707	mg/L	0.489699	0.0042707	mg/L	0.87%
Na 330.237	33461.3		43.0957	0.45374	mg/L	43.0957	0.45374	mg/L	1.05%
Ti 334.941	240147.7		0.441884	0.0036619	mg/L	0.441884	0.0036619	mg/L	0.83%
Mo 202.030	7638.7		0.438468	0.0030048	mg/L	0.438468	0.0030048	mg/L	0.69%
Sn 189.933	4516.3		0.468561	0.0038567	mg/L	0.468561	0.0038567	mg/L	0.82%
Be 234.861	239753.9		0.439067	0.0041324	mg/L	0.439067	0.0041324	mg/L	0.94%
As 188.979	1202.2		0.445193	0.0021881	mg/L	0.445193	0.0021881	mg/L	0.49%
Sb 206.833	1763.5		0.439542	0.0028252	mg/L	0.439542	0.0028252	mg/L	0.64%
Cr 206.158	12577.1		0.482265	0.0030921	mg/L	0.482265	0.0030921	mg/L	0.64%
Pb 220.353	2219.7		0.454018	0.0023706	mg/L	0.454018	0.0023706	mg/L	0.52%
Ni 231.604	10206.4		0.482576	0.0013369	mg/L	0.482576	0.0013369	mg/L	0.28%
Tl 190.800	693.7		0.432934	0.0050530	mg/L	0.432934	0.0050530	mg/L	1.17%

Mean Data

ID: 18873-012      Seq. No.: 13      Sample No.: 4      A/S Pos: 120  
Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      10:54:54 AM

Element	Mean Intensity	Corr. Conc.	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-3068.7		-0.0051510	0.00053017	mg/L	-0.0051510	0.00053017	mg/L	10.29%
Al 308.215	1290766.9		73.6798	0.53210	mg/L	73.6798	0.53210	mg/L	0.72%
Ba 233.527	40454.6		0.826616	0.0040713	mg/L	0.826616	0.0040713	mg/L	0.49%
Ca 315.887	516153.1		12.8865	0.06909	mg/L	12.8865	0.06909	mg/L	0.54%
Cd 226.502	782.3		-0.0012250	0.00001606	mg/L	-0.0012250	0.00001606	mg/L	1.31%

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Co	228.616	1990.5	0.0636153	0.00006165	mg/L	0.0636153	0.00006165	mg/L	0.10%
Cu	324.754	20275.7	0.0865915	0.00015854	mg/L	0.0865915	0.00015854	mg/L	0.18%
Fe	273.955	1645258.6	106.548	0.7933	mg/L	106.548	0.7933	mg/L	0.74%
Mg	279.079	364702.9	27.4541	0.13717	mg/L	27.4541	0.13717	mg/L	0.50%
Mn	257.610	1018775.8	1.87695	0.012423	mg/L	1.87695	0.012423	mg/L	0.66%
Se	196.026	-81.6	0.0114011	0.00043074	mg/L	0.0114011	0.00043074	mg/L	3.78%
V	292.402	31728.7	0.199978	0.0014790	mg/L	0.199978	0.0014790	mg/L	0.74%
Zn	206.200	18947.0	0.400445	0.0011188	mg/L	0.400445	0.0011188	mg/L	0.28%
Na	330.237	2307.7	4.62278	0.005728	mg/L	4.62278	0.005728	mg/L	0.12%
Ti	334.941	1519484.6	2.79593	0.016196	mg/L	2.79593	0.016196	mg/L	0.58%
Mo	202.030	-99.0	-0.0056824	0.00052796	mg/L	-0.0056824	0.00052796	mg/L	9.29%
Sn	189.933	317.3	0.0405197	0.00010203	mg/L	0.0405197	0.00010203	mg/L	0.25%
Be	234.861	-1679.1	0.0043858	0.00000216	mg/L	0.0043858	0.00000216	mg/L	0.05%
As	188.979	17.4	0.0266944	0.00073727	mg/L	0.0266944	0.00073727	mg/L	2.76%
Sb	206.833	88.8	0.0036238	0.00055805	mg/L	0.0036238	0.00055805	mg/L	15.40%
Cr	206.158	6018.9	0.225366	0.0015918	mg/L	0.225366	0.0015918	mg/L	0.71%
Pb	220.353	794.0	0.164019	0.0005492	mg/L	0.164019	0.0005492	mg/L	0.33%
Ni	231.604	4034.6	0.169985	0.0007148	mg/L	0.169985	0.0007148	mg/L	0.42%
Tl	190.800	-108.6	-0.0029883	0.00005577	mg/L	-0.0029883	0.00005577	mg/L	1.87%

Mean Data

ID: 18873-012 MR      Seq. No.: 14      Sample No.: 5      A/S Pos: 121  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      10:57:47 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD	
Ag	328.068	-2984.6	-0.0044331	0.00026537	mg/L	-0.0044331	0.00026537	mg/L	5.99%
Al	308.215	1380012.3	78.7982	0.72146	mg/L	78.7982	0.72146	mg/L	0.92%
Ba	233.527	43003.6	0.878700	0.0082793	mg/L	0.878700	0.0082793	mg/L	0.94%
Ca	315.887	513157.0	12.8117	0.15871	mg/L	12.8117	0.15871	mg/L	1.24%
Cd	226.502	781.6	-0.0013125	0.00002661	mg/L	-0.0013125	0.00002661	mg/L	2.03%
Co	228.616	2099.0	0.0670804	0.00012949	mg/L	0.0670804	0.00012949	mg/L	0.19%
Cu	324.754	19593.2	0.0817789	0.00001758	mg/L	0.0817789	0.00001758	mg/L	0.02%
Fe	273.955	1660844.7	107.558	0.9854	mg/L	107.558	0.9854	mg/L	0.92%
Mg	279.079	375965.8	28.3019	0.35577	mg/L	28.3019	0.35577	mg/L	1.26%
Mn	257.610	1050310.8	1.93505	0.017883	mg/L	1.93505	0.017883	mg/L	0.92%
Se	196.026	-84.9	0.0112006	0.00048509	mg/L	0.0112006	0.00048509	mg/L	4.33%
V	292.402	31627.6	0.199543	0.0021356	mg/L	0.199543	0.0021356	mg/L	1.07%
Zn	206.200	21010.1	0.445593	0.0027190	mg/L	0.445593	0.0027190	mg/L	0.61%
Na	330.237	940.1	3.04019	0.008797	mg/L	3.04019	0.008797	mg/L	0.29%
Ti	334.941	1536762.1	2.82772	0.028404	mg/L	2.82772	0.028404	mg/L	1.00%
Mo	202.030	-93.2	-0.0053508	0.00025113	mg/L	-0.0053508	0.00025113	mg/L	4.69%
Sn	189.933	303.8	0.0392043	0.00121353	mg/L	0.0392043	0.00121353	mg/L	3.10%
Be	234.861	-1528.6	0.0047322	0.00024156	mg/L	0.0047322	0.00024156	mg/L	5.10%
As	188.979	29.6	0.0312665	0.00026276	mg/L	0.0312665	0.00026276	mg/L	0.84%
Sb	206.833	85.2	0.0026830	0.00276531	mg/L	0.0026830	0.00276531	mg/L	103.07%
Cr	206.158	6003.6	0.224766	0.0012394	mg/L	0.224766	0.0012394	mg/L	0.55%
Pb	220.353	684.8	0.141752	0.0019125	mg/L	0.141752	0.0019125	mg/L	1.35%
Ni	231.604	4065.4	0.171270	0.0013690	mg/L	0.171270	0.0013690	mg/L	0.80%
Tl	190.800	-114.9	-0.0063228	0.00090730	mg/L	-0.0063228	0.00090730	mg/L	14.35%

Mean Data

ID: 18873-011 MS 1 *Wrong Sample see next. A/B color*      Seq. No.: 15      Sample No.: 6      A/S Pos: 122  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      11:01:00 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD	
Ag	328.068	68692.5	0.458073	0.0020411	mg/L	0.458073	0.0020411	mg/L	0.45%
Al	308.215	558697.8	31.6941	0.13180	mg/L	31.6941	0.13180	mg/L	0.42%
Ba	233.527	138039.0	2.82058	0.024608	mg/L	2.82058	0.024608	mg/L	0.87%
Ca	315.887	12065634.5	301.237	1.9053	mg/L	301.237	1.9053	mg/L	0.63%
Cd	226.502	50293.5	0.454217	0.0048329	mg/L	0.454217	0.0048329	mg/L	1.06%
Co	228.616	14998.4	0.479332	0.0004754	mg/L	0.479332	0.0004754	mg/L	0.10%
Cu	324.754	177280.8	1.20118	0.002822	mg/L	1.20118	0.002822	mg/L	0.23%
Fe	273.955	2915830.0	188.902	0.5492	mg/L	188.902	0.5492	mg/L	0.29%
Mg	279.079	922669.4	69.4566	0.00661	mg/L	69.4566	0.00661	mg/L	0.01%
Mn	257.610	862177.3	1.58844	0.003910	mg/L	1.58844	0.003910	mg/L	0.25%
Se	196.026	2679.7	0.456666	0.0022535	mg/L	0.456666	0.0022535	mg/L	0.49%
V	292.402	82420.3	0.496862	0.0040289	mg/L	0.496862	0.0040289	mg/L	0.81%
Zn	206.200	970325.8	21.2203	0.02948	mg/L	21.2203	0.02948	mg/L	0.14%

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Rows include Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, Tl.

Mean Data ID: 18873-013 MS 2 Seq. No.: 16 Sample No.: 7 A/S Pos: 123 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Data: Original Date: 8/10/05 11:05:07 AM

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, Tl.

Mean Data ID: 18873-012 PS Seq. No.: 17 Sample No.: 8 A/S Pos: 124 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Data: Original Date: 8/10/05 11:09:02 AM

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, Cr.



Table with 8 columns: Element, Mean, Corr., Intensity, Mean Conc., Std.Dev., Units, RSD. Rows include Pb 220.353, Ni 231.604, Tl 190.800.

Mean Data ID: CCV V-4510 Seq. No.: 18 Sample No.: 5 A/S Pos: 4 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 11:12:50 AM Data: Original

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Units, Mean Conc., Std.Dev., Units, RSD. Rows include Ag 328.068, Al 308.215, Ba 233.527, Ca 315.887, Cd 226.502, Co 228.616, Cu 324.754, Fe 273.955, Mg 279.079, Mn 257.610, Se 196.026, V 292.402, Zn 206.200, Na 330.237, Ti 334.941, Mo 202.030, Sn 189.933, Be 234.861, As 188.979, Sb 206.833, Cr 206.158, Pb 220.353, Ni 231.604, Tl 190.800.

Mean Data ID: CCB Seq. No.: 19 Sample No.: 6 A/S Pos: 1 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 11:15:38 AM Data: Original

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Units, Mean Conc., Std.Dev., Units, RSD. Rows include Ag 328.068, Al 308.215, Ba 233.527, Ca 315.887, Cd 226.502, Co 228.616, Cu 324.754, Fe 273.955, Mg 279.079, Mn 257.610, Se 196.026, V 292.402, Zn 206.200, Na 330.237, \*QC exceeds upper limit for Na 330.237 Action = Continue, Ti 334.941, Mo 202.030, Sn 189.933, Be 234.861, As 188.979, Sb 206.833, Cr 206.158, Pb 220.353, Ni 231.604, Tl 190.800.

Mean Data ID: 18873-001 Seq. No.: 20 Sample No.: 9 A/S Pos: 125 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0

Data: Original

Date: 8/10/05

11:18:38 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-2408.3	-0.0038194	0.00031652	mg/L	-0.0038194	0.00031652	mg/L	8.29%
Al 308.215	910161.6	51.8513	0.07802	mg/L	51.8513	0.07802	mg/L	0.15%
Ba 233.527	61053.8	1.24752	0.001943	mg/L	1.24752	0.001943	mg/L	0.16%
Ca 315.887	3817332.6	95.3055	0.47304	mg/L	95.3055	0.47304	mg/L	0.50%
Cd 226.502	1783.9	0.0050419	0.00023034	mg/L	0.0050419	0.00023034	mg/L	4.57%
Co 228.616	1867.6	0.0596855	0.00034719	mg/L	0.0596855	0.00034719	mg/L	0.58%
Cu 324.754	83349.1	0.537130	0.0011026	mg/L	0.537130	0.0011026	mg/L	0.21%
Fe 273.955	2239217.1	145.046	0.6212	mg/L	145.046	0.6212	mg/L	0.43%
Mg 279.079	520337.1	39.1699	0.21667	mg/L	39.1699	0.21667	mg/L	0.55%
Mn 257.610	1119559.5	2.06263	0.005956	mg/L	2.06263	0.005956	mg/L	0.29%
Se 196.026	-135.1	0.0147948	0.00237270	mg/L	0.0147948	0.00237270	mg/L	16.04%
V 292.402	38977.4	0.242484	0.0009472	mg/L	0.242484	0.0009472	mg/L	0.39%
Zn 206.200	146481.1	3.19139	0.003680	mg/L	3.19139	0.003680	mg/L	0.12%
Na 330.237	5548.9	15.3309	0.00590	mg/L	15.3309	0.00590	mg/L	0.04%
Ti 334.941	1215301.1	2.23621	0.006654	mg/L	2.23621	0.006654	mg/L	0.30%
Mo 202.030	48.5	0.0085887	0.00006457	mg/L	0.0085887	0.00006457	mg/L	0.75%
Sn 189.933	901.4	0.0995741	0.00041487	mg/L	0.0995741	0.00041487	mg/L	0.42%
Be 234.861	-2787.9	0.0050510	0.00029703	mg/L	0.0050510	0.00029703	mg/L	5.88%
As 188.979	521.3	0.206504	0.0018808	mg/L	0.206504	0.0018808	mg/L	0.91%
Sb 206.833	113.4	0.0100331	0.00025031	mg/L	0.0100331	0.00025031	mg/L	2.49%
Cr 206.158	5667.8	0.232533	0.0004179	mg/L	0.232533	0.0004179	mg/L	0.18%
Pb 220.353	29066.9	6.01515	0.004718	mg/L	6.01515	0.004718	mg/L	0.08%
Ni 231.604	4879.1	0.203338	0.0001460	mg/L	0.203338	0.0001460	mg/L	0.07%
Tl 190.800	-103.4	-0.0048886	0.00035553	mg/L	-0.0048886	0.00035553	mg/L	7.27%

Mean Data  
 ID: 18873-001 SD      Seq. No.: 21      Sample No.: 10      A/S Pos: 126  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      11:21:35 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-737.5	-0.0048139	0.00028012	mg/L	-0.0048139	0.00028012	mg/L	5.82%
Al 308.215	176311.5	9.76351	0.047725	mg/L	9.76351	0.047725	mg/L	0.49%
Ba 233.527	12184.5	0.248968	0.0015223	mg/L	0.248968	0.0015223	mg/L	0.61%
Ca 315.887	751019.9	18.7503	0.23444	mg/L	18.7503	0.23444	mg/L	1.25%
Cd 226.502	186.3	0.0017382	0.00008227	mg/L	0.0017382	0.00008227	mg/L	4.73%
Co 228.616	308.3	0.0098517	0.00017966	mg/L	0.0098517	0.00017966	mg/L	1.82%
Cu 324.754	22425.9	0.101752	0.0005292	mg/L	0.101752	0.0005292	mg/L	0.52%
Fe 273.955	457813.3	29.5807	0.25673	mg/L	29.5807	0.25673	mg/L	0.87%
Mg 279.079	102432.0	7.71086	0.086370	mg/L	7.71086	0.086370	mg/L	1.12%
Mn 257.610	224730.3	0.414034	0.0031615	mg/L	0.414034	0.0031615	mg/L	0.76%
Se 196.026	11.5	0.0024714	0.00039492	mg/L	0.0024714	0.00039492	mg/L	15.98%
V 292.402	7671.6	0.0444818	0.00033843	mg/L	0.0444818	0.00033843	mg/L	0.76%
Zn 206.200	30581.4	0.655051	0.0077404	mg/L	0.655051	0.0077404	mg/L	1.18%
Na 330.237	1847.4	4.01104	0.048215	mg/L	4.01104	0.048215	mg/L	1.20%
Ti 334.941	239430.0	0.440563	0.0026282	mg/L	0.440563	0.0026282	mg/L	0.60%
Mo 202.030	-74.2	-0.0042563	0.00032909	mg/L	-0.0042563	0.00032909	mg/L	7.73%
Sn 189.933	170.7	0.0173108	0.00033393	mg/L	0.0173108	0.00033393	mg/L	1.93%
Be 234.861	-913.7	-0.0016733	0.00002221	mg/L	-0.0016733	0.00002221	mg/L	1.33%
As 188.979	78.5	0.0369219	0.00255591	mg/L	0.0369219	0.00255591	mg/L	6.92%
Sb 206.833	82.7	0.0020400	0.00048853	mg/L	0.0020400	0.00048853	mg/L	23.95%
Cr 206.158	1243.8	0.0383158	0.00040946	mg/L	0.0383158	0.00040946	mg/L	1.07%
Pb 220.353	5649.1	1.16439	0.003055	mg/L	1.16439	0.003055	mg/L	0.26%
Ni 231.604	970.3	0.0378273	0.00031693	mg/L	0.0378273	0.00031693	mg/L	0.84%
Tl 190.800	-71.2	-0.0060212	0.00036116	mg/L	-0.0060212	0.00036116	mg/L	6.00%

Mean Data  
 ID: 18873-002      Seq. No.: 22      Sample No.: 11      A/S Pos: 127  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      11:24:23 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-972.1	-0.0063458	0.00006861	mg/L	-0.0063458	0.00006861	mg/L	1.08%
Al 308.215	87523.9	4.67136	0.013938	mg/L	4.67136	0.013938	mg/L	0.30%
Ba 233.527	11682.5	0.238710	0.0024858	mg/L	0.238710	0.0024858	mg/L	1.04%
Ca 315.887	72788.8	1.81728	0.021641	mg/L	1.81728	0.021641	mg/L	1.19%

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Lists elements from Cd to Tl with their respective values.

Mean Data ID: 18873-003 Seq. No.: 23 Sample No.: 12 A/S Pos: 128 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 11:27:16 AM Data: Original

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: 18873-005 Seq. No.: 24 Sample No.: 13 A/S Pos: 129 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 11:30:22 AM Data: Original

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., RSD. Lists elements from Ag to V with their respective values.

Zn 206.200	543754.1	11.8853	0.08561	mg/L	11.8853	0.08561	mg/L	0.72%
Na 330.237	20152.7	55.6147	0.15057	mg/L	55.6147	0.15057	mg/L	0.27%
Ti 334.941	1003924.3	1.84727	0.011279	mg/L	1.84727	0.011279	mg/L	0.61%
Mo 202.030	45.0	0.0102212	0.00021522	mg/L	0.0102212	0.00021522	mg/L	2.11%
Sn 189.933	1033.3	0.112162	0.0001015	mg/L	0.112162	0.0001015	mg/L	0.09%
Be 234.861	-4177.2	0.0057146	0.00017250	mg/L	0.0057146	0.00017250	mg/L	3.02%
As 188.979	1415.2	0.534025	0.0014198	mg/L	0.534025	0.0014198	mg/L	0.27%
Sb 206.833	129.4	0.0141810	0.00175679	mg/L	0.0141810	0.00175679	mg/L	12.39%
Cr 206.158	4231.0	0.233236	0.0055729	mg/L	0.233236	0.0055729	mg/L	2.39%
Pb 220.353	87972.0	18.2168	0.06239	mg/L	18.2168	0.06239	mg/L	0.34%
Ni 231.604	17958.0	0.817566	0.0008514	mg/L	0.817566	0.0008514	mg/L	0.10%
Tl 190.800	-96.9	-0.0045471	0.00007874	mg/L	-0.0045471	0.00007874	mg/L	1.73%

Mean Data

ID: 18873-006	Seq. No.: 25	Sample No.: 14	A/S Pos: 130
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	11:34:18 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-1684.5	-0.0035598	0.00045580	mg/L	-0.0035598	0.00045580	mg/L	12.80%
Al 308.215	556565.0	31.5718	0.12356	mg/L	31.5718	0.12356	mg/L	0.39%
Ba 233.527	127225.7	2.59963	0.002346	mg/L	2.59963	0.002346	mg/L	0.09%
Ca 315.887	2064754.9	51.5497	0.34796	mg/L	51.5497	0.34796	mg/L	0.67%
Cd 226.502	2872.6	0.0109683	0.00021619	mg/L	0.0109683	0.00021619	mg/L	1.97%
Co 228.616	1712.6	0.0547336	0.00020137	mg/L	0.0547336	0.00020137	mg/L	0.37%
Cu 324.754	111356.8	0.736730	0.0021983	mg/L	0.736730	0.0021983	mg/L	0.30%
Fe 273.955	3055391.6	197.948	0.7586	mg/L	197.948	0.7586	mg/L	0.38%
Mg 279.079	208789.9	15.7173	0.02216	mg/L	15.7173	0.02216	mg/L	0.14%
Mn 257.610	829554.7	1.52834	0.006995	mg/L	1.52834	0.006995	mg/L	0.46%
Se 196.026	-217.2	0.0181743	0.00051043	mg/L	0.0181743	0.00051043	mg/L	2.81%
V 292.402	18498.6	0.136998	0.0000719	mg/L	0.136998	0.0000719	mg/L	0.05%
Zn 206.200	351743.3	7.68333	0.000800	mg/L	7.68333	0.000800	mg/L	0.01%
Na 330.237	13164.6	35.6661	0.20631	mg/L	35.6661	0.20631	mg/L	0.58%
Ti 334.941	759318.7	1.39718	0.008565	mg/L	1.39718	0.008565	mg/L	0.61%
Mo 202.030	81.8	0.0126157	0.00012046	mg/L	0.0126157	0.00012046	mg/L	0.95%
Sn 189.933	840.6	0.0868771	0.00068131	mg/L	0.0868771	0.00068131	mg/L	0.78%
Be 234.861	-5582.3	0.0036380	0.00024280	mg/L	0.0036380	0.00024280	mg/L	6.67%
As 188.979	1188.2	0.451988	0.0001552	mg/L	0.451988	0.0001552	mg/L	0.03%
Sb 206.833	137.1	0.0162090	0.00091624	mg/L	0.0162090	0.00091624	mg/L	5.65%
Cr 206.158	3527.5	0.178135	0.0005110	mg/L	0.178135	0.0005110	mg/L	0.29%
Pb 220.353	104470.1	21.6291	0.02996	mg/L	21.6291	0.02996	mg/L	0.14%
Ni 231.604	10748.0	0.473221	0.0015778	mg/L	0.473221	0.0015778	mg/L	0.33%
Tl 190.800	-90.1	-0.0046411	0.00125656	mg/L	-0.0046411	0.00125656	mg/L	27.07%

Mean Data

ID: 18873-007	Seq. No.: 26	Sample No.: 15	A/S Pos: 131
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	11:38:08 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-2938.4	-0.0052892	0.00028581	mg/L	-0.0052892	0.00028581	mg/L	5.40%
Al 308.215	1431675.3	81.7612	0.60168	mg/L	81.7612	0.60168	mg/L	0.74%
Ba 233.527	45575.5	0.931252	0.0040708	mg/L	0.931252	0.0040708	mg/L	0.44%
Ca 315.887	514275.6	12.8397	0.03497	mg/L	12.8397	0.03497	mg/L	0.27%
Cd 226.502	1034.7	-0.0006530	0.00013814	mg/L	-0.0006530	0.00013814	mg/L	21.16%
Co 228.616	3994.5	0.127660	0.0003383	mg/L	0.127660	0.0003383	mg/L	0.27%
Cu 324.754	16859.8	0.0676762	0.00080461	mg/L	0.0676762	0.00080461	mg/L	1.19%
Fe 273.955	1989080.8	128.833	0.5835	mg/L	128.833	0.5835	mg/L	0.45%
Mg 279.079	364770.4	27.4591	0.11248	mg/L	27.4591	0.11248	mg/L	0.41%
Mn 257.610	959973.5	1.76862	0.007905	mg/L	1.76862	0.007905	mg/L	0.45%
Se 196.026	-130.4	0.0106498	0.00178913	mg/L	0.0106498	0.00178913	mg/L	16.80%
V 292.402	29911.1	0.192787	0.0007813	mg/L	0.192787	0.0007813	mg/L	0.41%
Zn 206.200	21550.0	0.457408	0.0001616	mg/L	0.457408	0.0001616	mg/L	0.04%
Na 330.237	704.1	2.49675	0.035057	mg/L	2.49675	0.035057	mg/L	1.40%
Ti 334.941	1418513.9	2.61014	0.014569	mg/L	2.61014	0.014569	mg/L	0.56%
Mo 202.030	0.1	0.0051601	0.00022078	mg/L	0.0051601	0.00022078	mg/L	4.28%
Sn 189.933	315.2	0.0397695	0.00042956	mg/L	0.0397695	0.00042956	mg/L	1.08%
Be 234.861	-1822.1	0.0056844	0.00001475	mg/L	0.0056844	0.00001475	mg/L	0.26%
As 188.979	12.8	0.0259821	0.00201799	mg/L	0.0259821	0.00201799	mg/L	7.77%
Sb 206.833	89.0	0.0036899	0.00070417	mg/L	0.0036899	0.00070417	mg/L	19.08%

1245

Cr 206.158	6539.3	0.245753	0.0002700	mg/L	0.245753	0.0002700	mg/L	0.11%
Pb 220.353	590.0	0.122336	0.0019359	mg/L	0.122336	0.0019359	mg/L	1.58%
Ni 231.604	4475.5	0.187011	0.0007824	mg/L	0.187011	0.0007824	mg/L	0.42%
Tl 190.800	-106.8	-0.0035813	0.00180045	mg/L	-0.0035813	0.00180045	mg/L	50.27%

Mean Data

ID: CCV V-4510      Seq. No.: 27      Sample No.: 5      A/S Pos: 4  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      11:41:05 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	73527.5	0.479963	0.0001532	mg/L				0.03%
Al 308.215	94289.8	5.05939	0.001089	mg/L				0.02%
Ba 233.527	25422.7	0.519468	0.0016730	mg/L				0.32%
Ca 315.887	1982934.3	49.5069	0.00993	mg/L				0.02%
Cd 226.502	53403.1	0.498349	0.0000009	mg/L				0.00%
Co 228.616	15491.9	0.495107	0.0011706	mg/L				0.24%
Cu 324.754	78227.0	0.495196	0.0009559	mg/L				0.19%
Fe 273.955	78761.5	5.01160	0.004347	mg/L				0.09%
Mg 279.079	657852.7	49.5218	0.04486	mg/L				0.09%
Mn 257.610	272715.7	0.502441	0.0004974	mg/L				0.10%
Se 196.026	3302.2	0.494781	0.0001109	mg/L				0.02%
V 292.402	86533.2	0.495030	0.0007701	mg/L				0.16%
Zn 206.200	24154.5	0.514405	0.0013272	mg/L				0.26%
Na 330.237	37978.5	48.8059	0.11773	mg/L				0.24%
Ti 334.941	269637.8	0.496147	0.0002744	mg/L				0.06%
Mo 202.030	8558.8	0.491281	0.0002064	mg/L				0.04%
Sn 189.933	4819.9	0.500091	0.0014467	mg/L				0.29%
Be 234.861	269928.4	0.494326	0.0008721	mg/L				0.18%
As 188.979	1367.0	0.505062	0.0016146	mg/L				0.32%
Sb 206.833	1983.5	0.496819	0.0019774	mg/L				0.40%
Cr 206.158	13227.3	0.507734	0.0000275	mg/L				0.01%
Pb 220.353	2455.2	0.502799	0.0009580	mg/L				0.19%
Ni 231.604	10567.3	0.499750	0.0005573	mg/L				0.11%
Tl 190.800	790.3	0.488403	0.0006223	mg/L				0.13%

Mean Data

ID: CCB      Seq. No.: 28      Sample No.: 6      A/S Pos: 1  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      11:43:53 AM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-298.5	-0.0019484	0.00053881	mg/L				27.65%
Al 308.215	6128.5	0.0031599	0.01672157	mg/L				529.18%
Ba 233.527	17.4	0.0003553	0.00013731	mg/L				38.64%
Ca 315.887	-13076.5	-0.326476	0.0409876	mg/L				12.55%
Cd 226.502	-186.4	-0.0017394	0.00004121	mg/L				2.37%
Co 228.616	-81.4	-0.0026000	0.00001268	mg/L				0.49%
Cu 324.754	8154.3	0.0011255	0.00009245	mg/L				8.21%
Fe 273.955	846.2	-0.0386557	0.00373020	mg/L				9.65%
Mg 279.079	2532.1	0.190614	0.0408716	mg/L				21.44%
Mn 257.610	694.6	0.0012797	0.00004139	mg/L				3.23%
Se 196.026	48.4	-0.0007880	0.00009691	mg/L				12.30%
V 292.402	-174.0	-0.0010087	0.00007315	mg/L				7.25%
Zn 206.200	660.3	0.0002606	0.00029922	mg/L				114.84%
Na 330.237	985.6	1.23195	0.075893	mg/L				6.16%
*QC exceeds upper limit for Na 330.237 Action = Continue								
Ti 334.941	2.3	0.0000042	0.00068347	mg/L				>999.9%
Mo 202.030	-103.3	-0.0059298	0.00015669	mg/L				2.64%
Sn 189.933	-10.1	-0.0014648	0.00091728	mg/L				62.62%
Be 234.861	-343.9	-0.0006298	0.00002294	mg/L				3.64%
As 188.979	-38.2	-0.0054678	0.00091830	mg/L				16.79%
Sb 206.833	66.3	-0.0022236	0.00017611	mg/L				7.92%
Cr 206.158	154.5	-0.0043541	0.00013659	mg/L				3.14%
Pb 220.353	38.3	0.0021588	0.00059151	mg/L				27.40%
Ni 231.604	-2.9	-0.0032334	0.00023015	mg/L				7.12%
Tl 190.800	-58.5	0.0012957	0.00229757	mg/L				177.32%

Mean Data

ID: 18873-008      Seq. No.: 29      Sample No.: 16      A/S Pos: 132

Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0  
Data: Original Date: 8/10/05 11:46:43 AM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, RSD. Lists elements from Ag to Tl with their respective values.

Mean Data

ID: 18873-009 Seq. No.: 30 Sample No.: 17 A/S Pos: 133  
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0  
Data: Original Date: 8/10/05 11:49:42 AM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, RSD. Lists elements from Ag to Tl with their respective values.

Mean Data

ID: 18873-010 Seq. No.: 31 Sample No.: 18 A/S Pos: 134  
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0  
Data: Original Date: 8/10/05 11:52:50 AM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, RSD. Lists elements Ag, Al, Ba with their respective values.

Table with 8 columns: Element, Intensity, Mean, Std. Dev., Units, Mean, Std. Dev., Units, RSD. Lists elements from Ca to Tl with their respective values.

Mean Data ID: 1873-014 Seq. No.: 32 Sample No.: 19 A/S Pos: 135 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 11:56:30 AM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., Units, RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: 18873-015 Seq. No.: 33 Sample No.: 20 A/S Pos: 136 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 11:59:27 AM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Units, Mean Conc., Std. Dev., Units, RSD. Lists elements from Ag to Se with their respective values.

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V 292.402	26344.2	0.170340	0.0003010	mg/L	0.170340	0.0003010	mg/L	0.18%
Zn 206.200	62071.6	1.34418	0.006572	mg/L	1.34418	0.006572	mg/L	0.49%
Na 330.237	3007.7	7.14106	0.002842	mg/L	7.14106	0.002842	mg/L	0.04%
Ti 334.941	785434.7	1.44524	0.002950	mg/L	1.44524	0.002950	mg/L	0.20%
Mo 202.030	36.1	0.0020739	0.00000778	mg/L	0.0020739	0.00000778	mg/L	0.38%
Sn 189.933	711.7	0.0734908	0.00023329	mg/L	0.0734908	0.00023329	mg/L	0.32%
Be 234.861	-1993.5	0.0045479	0.00016384	mg/L	0.0045479	0.00016384	mg/L	3.60%
As 188.979	295.7	0.122852	0.0038407	mg/L	0.122852	0.0038407	mg/L	3.13%
Sb 206.833	115.4	0.0105532	0.00112587	mg/L	0.0105532	0.00112587	mg/L	10.67%
Cr 206.158	5834.2	0.226940	0.0007041	mg/L	0.226940	0.0007041	mg/L	0.31%
Pb 220.353	6270.2	1.29303	0.002417	mg/L	1.29303	0.002417	mg/L	0.19%
Ni 231.604	4112.5	0.171823	0.0000043	mg/L	0.171823	0.0000043	mg/L	0.00%
Tl 190.800	-89.1	-0.0035959	0.00135287	mg/L	-0.0035959	0.00135287	mg/L	37.62%

Mean Data

ID: 18873-016      Seq. No.: 34      Sample No.: 21      A/S Pos: 137  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:02:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-1471.4	-0.0041882	0.00012229	mg/L	-0.0041882	0.00012229	mg/L	2.92%
Al 308.215	230242.0	12.8565	0.00619	mg/L	12.8565	0.00619	mg/L	0.05%
Ba 233.527	45057.6	0.920672	0.0023129	mg/L	0.920672	0.0023129	mg/L	0.25%
Ca 315.887	411201.1	10.2663	0.07991	mg/L	10.2663	0.07991	mg/L	0.78%
Cd 226.502	1552.7	0.0016453	0.00008306	mg/L	0.0016453	0.00008306	mg/L	5.05%
Co 228.616	1437.7	0.0459474	0.00019161	mg/L	0.0459474	0.00019161	mg/L	0.42%
Cu 324.754	67889.2	0.428747	0.0002950	mg/L	0.428747	0.0002950	mg/L	0.07%
Fe 273.955	2478152.0	160.533	0.8803	mg/L	160.533	0.8803	mg/L	0.55%
Mg 279.079	30298.6	2.28082	0.021026	mg/L	2.28082	0.021026	mg/L	0.92%
Mn 257.610	343139.5	0.632187	0.0031793	mg/L	0.632187	0.0031793	mg/L	0.50%
Se 196.026	-127.4	0.0206209	0.00039558	mg/L	0.0206209	0.00039558	mg/L	1.92%
V 292.402	10121.3	0.0828032	0.00017427	mg/L	0.0828032	0.00017427	mg/L	0.21%
Zn 206.200	103479.4	2.25034	0.011712	mg/L	2.25034	0.011712	mg/L	0.52%
Na 330.237	4036.8	10.2209	0.04276	mg/L	10.2209	0.04276	mg/L	0.42%
Ti 334.941	553144.2	1.01781	0.000199	mg/L	1.01781	0.000199	mg/L	0.02%
Mo 202.030	179.9	0.0167517	0.00003128	mg/L	0.0167517	0.00003128	mg/L	0.19%
Sn 189.933	470.6	0.0484571	0.00130944	mg/L	0.0484571	0.00130944	mg/L	2.70%
Be 234.861	-4749.6	0.0025430	0.00004008	mg/L	0.0025430	0.00004008	mg/L	1.58%
As 188.979	178.3	0.0828013	0.00109374	mg/L	0.0828013	0.00109374	mg/L	1.32%
Sb 206.833	108.3	0.0086882	0.00018893	mg/L	0.0086882	0.00018893	mg/L	2.17%
Cr 206.158	1777.2	0.0739593	0.00052219	mg/L	0.0739593	0.00052219	mg/L	0.71%
Pb 220.353	6904.9	1.42451	0.000661	mg/L	1.42451	0.000661	mg/L	0.05%
Ni 231.604	22446.5	1.03653	0.005636	mg/L	1.03653	0.005636	mg/L	0.54%
Tl 190.800	-89.2	-0.0074109	0.00116992	mg/L	-0.0074109	0.00116992	mg/L	15.79%

Mean Data

ID: 18873-017      Seq. No.: 35      Sample No.: 22      A/S Pos: 138  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:05:19 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-1569.8	-0.0040858	0.00036107	mg/L	-0.0040858	0.00036107	mg/L	8.84%
Al 308.215	1079283.6	61.5508	0.08874	mg/L	61.5508	0.08874	mg/L	0.14%
Ba 233.527	26591.2	0.543342	0.0011362	mg/L	0.543342	0.0011362	mg/L	0.21%
Ca 315.887	126586.9	3.16043	0.007379	mg/L	3.16043	0.007379	mg/L	0.23%
Cd 226.502	480.3	-0.0016605	0.00009879	mg/L	-0.0016605	0.00009879	mg/L	5.95%
Co 228.616	1246.8	0.0398470	0.00034197	mg/L	0.0398470	0.00034197	mg/L	0.86%
Cu 324.754	19682.2	0.0824070	0.00037577	mg/L	0.0824070	0.00037577	mg/L	0.46%
Fe 273.955	1185874.2	76.7715	0.01432	mg/L	76.7715	0.01432	mg/L	0.02%
Mg 279.079	202443.9	15.2395	0.01106	mg/L	15.2395	0.01106	mg/L	0.07%
Mn 257.610	391247.1	0.720819	0.0000329	mg/L	0.720819	0.0000329	mg/L	0.00%
Se 196.026	-51.2	0.0070820	0.00422642	mg/L	0.0070820	0.00422642	mg/L	59.68%
V 292.402	19917.8	0.127022	0.0000662	mg/L	0.127022	0.0000662	mg/L	0.05%
Zn 206.200	11710.1	0.242073	0.0000981	mg/L	0.242073	0.0000981	mg/L	0.04%
Na 330.237	1100.4	2.04505	0.013585	mg/L	2.04505	0.013585	mg/L	0.66%
Ti 334.941	629149.3	1.15767	0.001171	mg/L	1.15767	0.001171	mg/L	0.10%
Mo 202.030	-70.1	-0.0040254	0.00030852	mg/L	-0.0040254	0.00030852	mg/L	7.66%
Sn 189.933	306.7	0.0314294	0.00059391	mg/L	0.0314294	0.00059391	mg/L	1.89%
Be 234.861	-1413.0	0.0027881	0.00006981	mg/L	0.0027881	0.00006981	mg/L	2.50%
As 188.979	-13.6	0.0034602	0.00050437	mg/L	0.0034602	0.00050437	mg/L	14.58%



Table with 8 columns: Element, Intensity, Mean Corr., Mean Conc., Std.Dev., Calib Units, Mean Conc., Sample Units, RSD. Rows include Sb, Cr, Pb, Ni, Tl.

Mean Data ID: 18873-018 Seq. No.: 36 Sample No.: 23 A/S Pos: 139 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 12:08:23 PM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Sample Units, RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, Tl.

Mean Data ID: CCV V-4510 Seq. No.: 37 Sample No.: 5 A/S Pos: 4 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 12:11:26 PM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Sample Units, RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, Tl.

Mean Data ID: CCB Seq. No.: 38 Sample No.: 6 A/S Pos: 1

Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:14:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-321.5	-0.0020988	0.00013009	mg/L				6.20%
Al 308.215	6018.5	-0.0031493	0.00024258	mg/L				7.70%
Ba 233.527	24.4	0.0004980	0.00013965	mg/L				28.04%
Ca 315.887	-13047.5	-0.325752	0.0085216	mg/L				2.62%
Cd 226.502	-178.4	-0.0016648	0.00006740	mg/L				4.05%
Co 228.616	-89.4	-0.0028568	0.00011295	mg/L				3.95%
Cu 324.754	8246.7	0.0017771	0.00026784	mg/L				15.07%
Fe 273.955	837.4	-0.0392300	0.00119132	mg/L				3.04%
Mg 279.079	1666.5	0.125448	0.0011483	mg/L				0.92%
Mn 257.610	717.8	0.0013224	0.00002631	mg/L				1.99%
Se 196.026	49.6	-0.0006069	0.00113179	mg/L				186.49%
V 292.402	-176.4	-0.0010230	0.00009073	mg/L				8.87%
Zn 206.200	622.8	-0.0005612	0.00032420	mg/L				57.77%
Na 330.237	984.5	1.23051	0.020564	mg/L				1.67%
*QC exceeds upper limit for Na 330.237 Action = Continue								
Ti 334.941	-133.0	-0.0002448	0.00008706	mg/L				35.56%
Mo 202.030	-101.5	-0.0058267	0.00006417	mg/L				1.10%
Sn 189.933	-10.8	-0.0015323	0.00045890	mg/L				29.95%
Be 234.861	-346.1	-0.0006338	0.00002144	mg/L				3.38%
As 188.979	-35.2	-0.0043853	0.00030659	mg/L				6.99%
Sb 206.833	69.7	-0.0013443	0.00011073	mg/L				8.24%
Cr 206.158	153.5	-0.0043955	0.00020311	mg/L				4.62%
Pb 220.353	33.4	0.0011468	0.00028980	mg/L				25.27%
Ni 231.604	-4.4	-0.0033026	0.00058933	mg/L				17.84%
Tl 190.800	-57.9	0.0016466	0.00132967	mg/L				80.75%

Mean Data

ID: 18873-019      Seq. No.: 39      Sample No.: 24      A/S Pos: 140  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:17:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-10652.6	-0.0091565	0.00035950	mg/L	-0.0091565	0.00035950	mg/L	3.93%
Al 308.215	2557345.8	146.321	0.1828	mg/L	146.321	0.1828	mg/L	0.12%
Ba 233.527	64219.3	1.31221	0.007751	mg/L	1.31221	0.007751	mg/L	0.59%
Ca 315.887	619327.3	15.4624	0.08221	mg/L	15.4624	0.08221	mg/L	0.53%
Cd 226.502	4182.2	0.0150175	0.00031104	mg/L	0.0150175	0.00031104	mg/L	2.07%
Co 228.616	7486.3	0.224093	0.0007435	mg/L	0.224093	0.0007435	mg/L	0.33%
Cu 324.754	202152.4	1.38101	0.009062	mg/L	1.38101	0.009062	mg/L	0.66%
Fe 273.955	4631051.6	300.078	0.9313	mg/L	300.078	0.9313	mg/L	0.31%
Mg 279.079	454040.4	34.1792	0.16382	mg/L	34.1792	0.16382	mg/L	0.48%
Mn 257.610	1988738.5	3.66398	0.019863	mg/L	3.66398	0.019863	mg/L	0.54%
Se 196.026	-396.6	0.0215026	0.00079647	mg/L	0.0215026	0.00079647	mg/L	3.70%
V 292.402	157447.9	0.950057	0.0032574	mg/L	0.950057	0.0032574	mg/L	0.34%
Zn 206.200	140677.8	3.06439	0.011421	mg/L	3.06439	0.011421	mg/L	0.37%
Na 330.237	525.6	11.9441	0.06499	mg/L	11.9441	0.06499	mg/L	0.54%
Ti 334.941	6165657.8	11.3451	0.00651	mg/L	11.3451	0.00651	mg/L	0.06%
Mo 202.030	551.7	0.0436746	0.00114821	mg/L	0.0436746	0.00114821	mg/L	2.63%
Sn 189.933	520.6	0.0860290	0.00115868	mg/L	0.0860290	0.00115868	mg/L	1.35%
Be 234.861	-6374.1	0.0093395	0.00048508	mg/L	0.0093395	0.00048508	mg/L	5.19%
As 188.979	37.3	0.0626588	0.00014215	mg/L	0.0626588	0.00014215	mg/L	0.23%
Sb 206.833	93.9	0.0179421	0.00103547	mg/L	0.0179421	0.00103547	mg/L	5.77%
Cr 206.158	13390.7	0.526900	0.0022574	mg/L	0.526900	0.0022574	mg/L	0.43%
Pb 220.353	5237.3	1.08197	0.005732	mg/L	1.08197	0.005732	mg/L	0.53%
Ni 231.604	6824.9	0.268421	0.0018297	mg/L	0.268421	0.0018297	mg/L	0.68%
Tl 190.800	-244.3	0.0000205	0.00256423	mg/L	0.0000205	0.00256423	mg/L	>999.9%

Mean Data

ID: 18873-020      Seq. No.: 40      Sample No.: 25      A/S Pos: 141  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:21:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-2674.3	-0.0049404	0.00043102	mg/L	-0.0049404	0.00043102	mg/L	8.72%
Al 308.215	1011742.2	57.6772	0.28466	mg/L	57.6772	0.28466	mg/L	0.49%

Ba	233.527	29440.7	0.601568	0.0041151	mg/L	0.601568	0.0041151	mg/L	0.68%
Ca	315.887	450379.3	11.2444	0.02576	mg/L	11.2444	0.02576	mg/L	0.23%
Cd	226.502	957.3	-0.0005845	0.00027661	mg/L	-0.0005845	0.00027661	mg/L	47.33%
Co	228.616	1758.2	0.0561911	0.00031240	mg/L	0.0561911	0.00031240	mg/L	0.56%
Cu	324.754	67164.9	0.417199	0.0016460	mg/L	0.417199	0.0016460	mg/L	0.39%
Fe	273.955	1836651.4	118.953	0.2535	mg/L	118.953	0.2535	mg/L	0.21%
Mg	279.079	306118.9	23.0440	0.06480	mg/L	23.0440	0.06480	mg/L	0.28%
Mn	257.610	1351528.8	2.49000	0.004456	mg/L	2.49000	0.004456	mg/L	0.18%
Se	196.026	-101.2	0.0121303	0.00030057	mg/L	0.0121303	0.00030057	mg/L	2.48%
V	292.402	23308.6	0.153020	0.0010480	mg/L	0.153020	0.0010480	mg/L	0.68%
Zn	206.200	32413.3	0.695140	0.0091116	mg/L	0.695140	0.0091116	mg/L	1.31%
Na	330.237	1667.3	4.25419	0.057711	mg/L	4.25419	0.057711	mg/L	1.36%
Ti	334.941	1278116.4	2.35180	0.020136	mg/L	2.35180	0.020136	mg/L	0.86%
Mo	202.030	-107.1	-0.0061451	0.00034392	mg/L	-0.0061451	0.00034392	mg/L	5.60%
Sn	189.933	570.7	0.0655570	0.00148746	mg/L	0.0655570	0.00148746	mg/L	2.27%
Be	234.861	-2480.2	0.0037874	0.00006791	mg/L	0.0037874	0.00006791	mg/L	1.79%
As	188.979	10.5	0.0193631	0.00086404	mg/L	0.0193631	0.00086404	mg/L	4.46%
Sb	206.833	86.4	0.0030016	0.00101651	mg/L	0.0030016	0.00101651	mg/L	33.87%
Cr	206.158	5133.7	0.190690	0.0003622	mg/L	0.190690	0.0003622	mg/L	0.19%
Pb	220.353	495.5	0.0968685	0.00080611	mg/L	0.0968685	0.00080611	mg/L	0.83%
Ni	231.604	3428.2	0.138928	0.0001112	mg/L	0.138928	0.0001112	mg/L	0.08%
Tl	190.800	-104.9	-0.0047617	0.00193591	mg/L	-0.0047617	0.00193591	mg/L	40.66%

Mean Data

ID: MB FB (1)      Seq. No.: 41      Sample No.: 26      A/S Pos: 142  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:23:56 PM

Element	Mean Intensity	Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	328.068	-401.2	-0.0026189	0.00006501	mg/L	-0.0026189	0.00006501	mg/L	2.48%
Al	308.215	6233.9	0.0092062	0.00473426	mg/L	0.0092062	0.00473426	mg/L	51.42%
Ba	233.527	40.2	0.0008209	0.00012769	mg/L	0.0008209	0.00012769	mg/L	15.55%
Ca	315.887	-8716.4	-0.217617	0.0216142	mg/L	-0.217617	0.0216142	mg/L	9.93%
Cd	226.502	-215.5	-0.0020113	0.00000670	mg/L	-0.0020113	0.00000670	mg/L	0.33%
Co	228.616	-86.1	-0.0027512	0.00021016	mg/L	-0.0027512	0.00021016	mg/L	7.64%
Cu	324.754	11001.8	0.0212027	0.00030897	mg/L	0.0212027	0.00030897	mg/L	1.46%
Fe	273.955	4424.3	0.193262	0.0053632	mg/L	0.193262	0.0053632	mg/L	2.78%
Mg	279.079	1711.2	0.128812	0.0023527	mg/L	0.128812	0.0023527	mg/L	1.83%
Mn	257.610	1799.2	0.0033147	0.00010035	mg/L	0.0033147	0.00010035	mg/L	3.03%
Se	196.026	58.7	0.0007918	0.00015090	mg/L	0.0007918	0.00015090	mg/L	19.06%
V	292.402	-195.3	-0.0011326	0.00009615	mg/L	-0.0011326	0.00009615	mg/L	8.49%
Zn	206.200	896.9	0.0054383	0.00003317	mg/L	0.0054383	0.00003317	mg/L	0.61%
Na	330.237	1284.6	1.60568	0.038578	mg/L	1.60568	0.038578	mg/L	2.40%
Ti	334.941	242.9	0.0004470	0.00014018	mg/L	0.0004470	0.00014018	mg/L	31.36%
Mo	202.030	-102.8	-0.0059033	0.00010162	mg/L	-0.0059033	0.00010162	mg/L	1.72%
Sn	189.933	197.5	0.0200912	0.00036677	mg/L	0.0200912	0.00036677	mg/L	1.83%
Be	234.861	-450.3	-0.0008247	0.00001257	mg/L	-0.0008247	0.00001257	mg/L	1.52%
As	188.979	-35.8	-0.0046052	0.00031206	mg/L	-0.0046052	0.00031206	mg/L	6.78%
Sb	206.833	79.8	0.0012878	0.00177088	mg/L	0.0012878	0.00177088	mg/L	137.51%
Cr	206.158	439.3	0.0068000	0.00002078	mg/L	0.0068000	0.00002078	mg/L	0.31%
Pb	220.353	32.3	0.0009116	0.00018810	mg/L	0.0009116	0.00018810	mg/L	20.63%
Ni	231.604	228.7	0.0077873	0.00037245	mg/L	0.0077873	0.00037245	mg/L	4.78%
Tl	190.800	-72.9	-0.0069965	0.00276687	mg/L	-0.0069965	0.00276687	mg/L	39.55%

Mean Data

ID: LCSW      Seq. No.: 42      Sample No.: 27      A/S Pos: 143  
 Sample Qty: 1.0000 mL      Prep. Vol.: 1.0 mL      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:26:49 PM

Element	Mean Intensity	Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	328.068	71623.1	0.467531	0.0041307	mg/L	0.467531	0.0041307	mg/L	0.88%
Al	308.215	86090.8	4.58916	0.051497	mg/L	4.58916	0.051497	mg/L	1.12%
Ba	233.527	24402.4	0.498620	0.0080089	mg/L	0.498620	0.0080089	mg/L	1.61%
Ca	315.887	1925848.8	48.0817	0.89255	mg/L	48.0817	0.89255	mg/L	1.86%
Cd	226.502	52556.1	0.490445	0.0083600	mg/L	0.490445	0.0083600	mg/L	1.70%
Co	228.616	15282.4	0.488409	0.0039581	mg/L	0.488409	0.0039581	mg/L	0.81%
Cu	324.754	77445.9	0.489688	0.0027346	mg/L	0.489688	0.0027346	mg/L	0.56%
Fe	273.955	77060.5	4.90134	0.080575	mg/L	4.90134	0.080575	mg/L	1.64%
Mg	279.079	640187.4	48.1920	0.82011	mg/L	48.1920	0.82011	mg/L	1.70%
Mn	257.610	266390.0	0.490787	0.0074053	mg/L	0.490787	0.0074053	mg/L	1.51%

Se 196.026	3145.0	0.470835	0.0012675	mg/L	0.470835	0.0012675	mg/L	0.27%
V 292.402	83766.9	0.479170	0.0068984	mg/L	0.479170	0.0068984	mg/L	1.44%
Zn 206.200	24337.4	0.518407	0.0120470	mg/L	0.518407	0.0120470	mg/L	2.32%
Na 330.237	36193.6	46.5853	0.29957	mg/L	46.5853	0.29957	mg/L	0.64%
Ti 334.941	256183.4	0.471390	0.0060328	mg/L	0.471390	0.0060328	mg/L	1.28%
Mo 202.030	8302.0	0.476544	0.0048061	mg/L	0.476544	0.0048061	mg/L	1.01%
Sn 189.933	4792.6	0.497254	0.0053501	mg/L	0.497254	0.0053501	mg/L	1.08%
Be 234.861	266025.7	0.487179	0.0069114	mg/L	0.487179	0.0069114	mg/L	1.42%
As 188.979	1340.4	0.495407	0.0066351	mg/L	0.495407	0.0066351	mg/L	1.34%
Sb 206.833	1929.0	0.482610	0.0030433	mg/L	0.482610	0.0030433	mg/L	0.63%
Cr 206.158	12986.9	0.498318	0.0086515	mg/L	0.498318	0.0086515	mg/L	1.74%
Pb 220.353	2384.9	0.488237	0.0034870	mg/L	0.488237	0.0034870	mg/L	0.71%
Ni 231.604	10477.7	0.495484	0.0044821	mg/L	0.495484	0.0044821	mg/L	0.90%
Tl 190.800	745.1	0.462446	0.0038281	mg/L	0.462446	0.0038281	mg/L	0.83%

Mean Data

ID: ICSA V-4505      Seq. No.: 43      Sample No.: 3      A/S Pos: 5  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      12:30:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-278.9	-0.0018203	0.00015320	mg/L				8.42%
Al 308.215	7624051.2	436.850	1.3211	mg/L				0.30%
Ba 233.527	-98.0	-0.0020029	0.00016834	mg/L				8.40%
Ca 315.887	17220132.3	429.927	1.2962	mg/L				0.30%
Cd 226.502	1391.3	-0.0009072	0.00015236	mg/L				16.80%
Co 228.616	68.0	0.0021740	0.00016026	mg/L				7.37%
Cu 324.754	7362.4	0.0025085	0.00004518	mg/L				1.80%
Fe 273.955	2679856.2	173.607	0.6149	mg/L				0.35%
Mg 279.079	6509439.8	490.017	1.9757	mg/L				0.40%
Mn 257.610	-2186.3	-0.0040280	0.00062643	mg/L				15.55%
Se 196.026	-247.0	-0.0004577	0.00067883	mg/L				148.33%
V 292.402	7437.1	0.0028169	0.00051099	mg/L				18.14%
Zn 206.200	208.2	-0.0096331	0.00016202	mg/L				1.68%
Na 330.237	816.4	-4.85183	0.000643	mg/L				0.01%
*QC exceeds lower limit for Na 330.237 Action = Continue								
Ti 334.941	-1802.3	-0.0033164	0.00006380	mg/L				1.92%
Mo 202.030	-196.3	-0.0043236	0.00044782	mg/L				10.36%
Sn 189.933	4.9	0.0000958	0.00152532	mg/L				>999.9%
Be 234.861	-6941.4	-0.0005553	0.00011576	mg/L				20.85%
As 188.979	-54.2	-0.0009002	0.00202553	mg/L				225.00%
Sb 206.833	125.0	0.0004100	0.00112499	mg/L				274.41%
Cr 206.158	859.3	0.0013958	0.00031712	mg/L				22.72%
Pb 220.353	-171.2	-0.0016113	0.00140942	mg/L				87.47%
Ni 231.604	1042.0	0.0045212	0.00048401	mg/L				10.71%
Tl 190.800	-66.2	-0.0031252	0.00018080	mg/L				5.79%

Mean Data

ID: ICSAB V-4506      Seq. No.: 44      Sample No.: 4      A/S Pos: 6  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      12:34:09 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	151796.0	0.990874	0.0009294	mg/L				0.09%
Al 308.215	7674438.6	439.739	3.1346	mg/L				0.71%
Ba 233.527	22816.9	0.466221	0.0001707	mg/L				0.04%
Ca 315.887	17315597.6	432.310	1.6978	mg/L				0.39%
Cd 226.502	98619.0	0.906402	0.0004013	mg/L				0.04%
Co 228.616	14274.6	0.456200	0.0016214	mg/L				0.36%
Cu 324.754	77279.0	0.495480	0.0002393	mg/L				0.05%
Fe 273.955	2680848.1	173.672	0.1754	mg/L				0.10%
Mg 279.079	6558142.5	493.683	2.6508	mg/L				0.54%
Mn 257.610	245951.5	0.453132	0.0002685	mg/L				0.06%
Se 196.026	5948.1	0.943044	0.0007230	mg/L				0.08%
V 292.402	83418.2	0.442886	0.0004262	mg/L				0.10%
Zn 206.200	41149.5	0.886322	0.0007542	mg/L				0.09%
Na 330.237	2402.3	-0.596959	0.0911575	mg/L				15.27%
Ti 334.941	-1745.1	-0.0032111	0.00001189	mg/L				0.37%
Mo 202.030	-202.5	-0.0046718	0.00125713	mg/L				26.91%
Sn 189.933	0.8	-0.0003294	0.00113296	mg/L				343.96%

Be 234.861	256186.3	0.481321	0.0010057	mg/L	0.21%
As 188.979	2707.7	1.00264	0.007883	mg/L	0.79%
Sb 206.833	3816.3	0.961163	0.0012509	mg/L	0.13%
Cr 206.158	12557.4	0.465298	0.0012506	mg/L	0.27%
Pb 220.353	4291.2	0.922985	0.0030753	mg/L	0.33%
Ni 231.604	20368.5	0.924086	0.0027142	mg/L	0.29%
Tl 190.800	1548.2	0.923305	0.0075095	mg/L	0.81%

Mean Data

ID: CCV V-4510      Seq. No.: 45      Sample No.: 5      A/S Pos: 4  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:37:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	71670.5	0.467841	0.0022466	mg/L				0.48%
Al 308.215	92280.6	4.94416	0.013146	mg/L				0.27%
Ba 233.527	24862.6	0.508022	0.0024940	mg/L				0.49%
Ca 315.887	1942960.5	48.5089	0.16789	mg/L				0.35%
Cd 226.502	52882.3	0.493490	0.0021409	mg/L				0.43%
Co 228.616	15178.8	0.485098	0.0009340	mg/L				0.19%
Cu 324.754	76811.9	0.485218	0.0033604	mg/L				0.69%
Fe 273.955	77982.2	4.96108	0.013119	mg/L				0.26%
Mg 279.079	649923.3	48.9249	0.17892	mg/L				0.37%
Mn 257.610	266732.4	0.491418	0.0024130	mg/L				0.49%
Se 196.026	3302.9	0.494893	0.0018190	mg/L				0.37%
V 292.402	84393.6	0.482705	0.0019674	mg/L				0.41%
Zn 206.200	24161.6	0.514561	0.0011093	mg/L				0.22%
Na 330.237	37011.8	47.5981	0.32903	mg/L				0.69%
Ri 334.941	260782.0	0.479852	0.0032710	mg/L				0.68%
Mo 202.030	8313.2	0.477183	0.0006509	mg/L				0.14%
Sn 189.933	4692.2	0.486826	0.0008459	mg/L				0.17%
Se 234.861	271496.0	0.497197	0.0024904	mg/L				0.50%
As 188.979	1373.7	0.507509	0.0021439	mg/L				0.42%
Sb 206.833	1953.4	0.488979	0.0006711	mg/L				0.14%
Cr 206.158	13053.8	0.500939	0.0033710	mg/L				0.67%
Pb 220.353	2367.9	0.484712	0.0015636	mg/L				0.32%
Ni 231.604	10444.0	0.493881	0.0008534	mg/L				0.17%
Tl 190.800	753.8	0.467424	0.0020307	mg/L				0.43%

Mean Data

ID: CCB      Seq. No.: 46      Sample No.: 6      A/S Pos: 1  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      12:39:55 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-333.8	-0.0021791	0.00047490	mg/L				21.79%
Al 308.215	6003.3	-0.0040210	0.00473807	mg/L				117.83%
Ba 233.527	-2.7	-0.0000557	0.00010260	mg/L				184.25%
Ca 315.887	-14346.4	-0.358179	0.0042458	mg/L				1.19%
Cd 226.502	-187.8	-0.0017525	0.00001945	mg/L				1.11%
Co 228.616	-88.0	-0.0028110	0.00009607	mg/L				3.42%
Cu 324.754	8151.0	0.0011022	0.00077143	mg/L				69.99%
Fe 273.955	735.0	-0.0458674	0.00075815	mg/L				1.65%
Mg 279.079	1459.1	0.109839	0.0010111	mg/L				0.92%
Mn 257.610	608.8	0.0011216	0.00000691	mg/L				0.62%
Se 196.026	61.0	0.0011374	0.00038603	mg/L				33.94%
V 292.402	-196.8	-0.0011408	0.00024487	mg/L				21.46%
Zn 206.200	461.7	-0.0040867	0.00015011	mg/L				3.67%
Na 330.237	1014.3	1.26774	0.053234	mg/L				4.20%
*QC exceeds upper limit for Na 330.237      Action = Continue								
Ti 334.941	-250.2	-0.0004604	0.00000802	mg/L				1.74%
Mo 202.030	-110.1	-0.0063219	0.00004351	mg/L				0.69%
Sn 189.933	-16.8	-0.0021622	0.00037808	mg/L				17.49%
Be 234.861	-351.5	-0.0006437	0.00001744	mg/L				2.71%
As 188.979	-31.3	-0.0029752	0.00038872	mg/L				13.07%
Sb 206.833	70.7	-0.0010832	0.00022302	mg/L				20.59%
Cr 206.158	155.6	-0.0043128	0.00024763	mg/L				5.74%
Pb 220.353	16.6	-0.0023267	0.00079754	mg/L				34.28%
Ni 231.604	-3.3	-0.0032486	0.00003002	mg/L				0.92%
Tl 190.800	-60.9	-0.0000955	0.00262872	mg/L				>999.9%



Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	69180.9	208.56	0.30%	0.50	mg/L
Al 308.215	88178.5	595.80	0.68%	5.0	mg/L
Ba 233.527	23843.1	106.21	0.45%	0.50	mg/L
Ca 315.887	1811293.2	12164.00	0.67%	50	mg/L
Cd 226.502	50189.1	290.24	0.58%	0.50	mg/L
Co 228.616	14521.1	7.64	0.05%	0.50	mg/L
Cu 324.754	74838.4	208.68	0.28%	0.50	mg/L
Fe 273.955	73605.8	596.99	0.81%	5.0	mg/L
Gg 279.079	609083.6	4327.73	0.71%	50	mg/L
Mn 257.610	250496.4	1565.06	0.62%	0.50	mg/L
Se 196.026	3219.3	4.63	0.14%	0.50	mg/L
V 292.402	80203.7	496.72	0.62%	0.50	mg/L
Zn 206.200	22299.4	21.88	0.10%	0.50	mg/L
Na 330.237	35174.7	236.38	0.67%	50	mg/L
Ti 334.941	244596.9	1436.38	0.59%	0.50	mg/L
Mo 202.030	7936.9	20.61	0.26%	0.50	mg/L
Sn 189.933	4432.9	8.29	0.19%	0.50	mg/L
Se 234.861	259713.7	2020.45	0.78%	0.50	mg/L
As 188.979	1327.0	3.48	0.26%	0.50	mg/L
Sb 206.833	1885.7	10.71	0.57%	0.50	mg/L
Cr 206.158	12351.5	2.32	0.02%	0.50	mg/L
Pb 220.353	2255.3	12.68	0.56%	0.50	mg/L
Ni 231.604	10095.5	8.08	0.08%	0.50	mg/L
Tl 190.800	707.0	3.09	0.44%	0.50	mg/L

Mean Data

ID: Calib Std 3

Seq. No.: 4

A/S Pos: 2

Data: Original

Date: 8/10/05

5:45:21 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	142094.4	326.38	0.23%	1.0	mg/L
Al 308.215	170161.8	267.10	0.16%	10	mg/L
Ba 233.527	46395.6	151.24	0.33%	1.0	mg/L
Ca 315.887	3615048.4	2341.63	0.06%	100	mg/L
Cd 226.502	99766.7	0.00	0.00%	1.0	mg/L
Co 228.616	28906.6	57.85	0.20%	1.0	mg/L
Cu 324.754	144320.9	425.81	0.30%	1.0	mg/L
Fe 273.955	145790.2	107.50	0.07%	10	mg/L
Gg 279.079	1233025.0	842.45	0.07%	100	mg/L
Mn 257.610	494689.4	361.65	0.07%	1.0	mg/L
Se 196.026	6402.7	16.27	0.25%	1.0	mg/L
V 292.402	158662.1	121.34	0.08%	1.0	mg/L
Zn 206.200	43408.6	188.18	0.43%	1.0	mg/L
Na 330.237	75723.0	283.04	0.37%	100	mg/L
Ti 334.941	486568.0	828.71	0.17%	1.0	mg/L
Mo 202.030	16014.5	5.46	0.03%	1.0	mg/L
Sn 189.933	8899.9	28.06	0.32%	1.0	mg/L
Se 234.861	519716.0	509.76	0.10%	1.0	mg/L
As 188.979	2663.4	42.44	1.59%	1.0	mg/L
Sb 206.833	3687.5	11.94	0.32%	1.0	mg/L
Cr 206.158	24270.4	136.73	0.56%	1.0	mg/L
Pb 220.353	4494.6	10.88	0.24%	1.0	mg/L
Ni 231.604	20047.8	116.24	0.58%	1.0	mg/L
Tl 190.800	1486.9	20.97	1.41%	1.0	mg/L

Calibration Summary

Method: PE1 Axial

Date: 8/10/05

5:45:47 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Ag 328.068	3	Linear-thru-Zero	0.0	141345.3	0.00000	0.999894
Al 308.215	3	Linear	5973.9	16423.1	0.00000	0.999998
Ba 233.527	3	Linear-thru-Zero	0.0	46653.8	0.00000	0.999887
Ca 315.887	3	Linear-thru-Zero	0.0	36164.3	0.00000	0.999985
Cd 226.502	3	Linear-thru-Zero	0.0	99887.6	0.00000	0.999992
Co 228.616	3	Linear-thru-Zero	0.0	28933.2	0.00000	0.999993
Cu 324.754	3	Linear	7535.3	136351.2	0.00000	0.999959

Fe 273.955	3	Linear	544.0	14542.1	0.00000	0.999994
Mg 279.079	3	Linear-thru-Zero	0.0	12300.6	0.00000	0.999979
Mn 257.610	3	Linear-thru-Zero	0.0	495955.0	0.00000	0.999975
Se 196.026	3	Linear	45.8	6354.9	0.00000	1.000000
V 292.402	3	Linear-thru-Zero	0.0	159009.6	0.00000	0.999981
Zn 206.200	3	Linear	324.5	43257.3	0.00000	0.999927
Na 330.237	3	Linear-thru-Zero	0.0	746.5	0.00000	0.999171
Ti 334.941	3	Linear-thru-Zero	0.0	487091.2	0.00000	0.999996
Mo 202.030	3	Linear-thru-Zero	0.0	15985.6	0.00000	0.999962
Sn 189.933	3	Linear	-29.8	8929.0	0.00000	1.000000
Be 234.861	3	Linear-thru-Zero	0.0	519655.4	0.00000	1.000000
As 188.979	3	Linear	-34.4	2702.7	0.00000	0.999986
Sb 206.833	3	Linear	73.1	3616.6	0.00000	0.999999
Cr 206.158	3	Linear	177.7	24143.5	0.00000	0.999982
Pb 220.353	3	Linear	13.9	4481.1	0.00000	1.000000
Ni 231.604	3	Linear	2.6	20073.3	0.00000	0.999992
Tl 190.800	3	Linear	-64.6	1549.9	0.00000	0.999994

Mean Data

ID: ICS V-4509      Seq. No.: 5      Sample No.: 7      A/S Pos: 2  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      5:48:08 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	141455.7	1.00611	0.001322	mg/L				0.13%
Al 308.215	169055.0	9.93001	0.021766	mg/L				0.22%
Ba 233.527	46801.7	1.00317	0.003414	mg/L				0.34%
Ca 315.887	3630763.0	100.396	0.4227	mg/L				0.42%
Cd 226.502	99539.4	0.996514	0.0020173	mg/L				0.20%
Co 228.616	29359.4	1.01473	0.002328	mg/L				0.23%
Cu 324.754	143219.2	0.995106	0.0006659	mg/L				0.07%
Fe 273.955	145014.8	9.93468	0.026910	mg/L				0.27%
Mg 279.079	1237868.4	100.635	0.5296	mg/L				0.53%
Mn 257.610	496283.9	1.00066	0.005276	mg/L				0.53%
Se 196.026	6386.1	0.997707	0.0009654	mg/L				0.10%
V 292.402	157571.5	0.982826	0.0017651	mg/L				0.18%
Zn 206.200	44027.4	1.01030	0.005519	mg/L				0.55%
Na 330.237	75600.0	104.432	0.1138	mg/L				0.11%
Ti 334.941	487967.6	1.00180	0.007233	mg/L				0.72%
Mo 202.030	15843.1	0.991089	0.0044024	mg/L				0.44%
Sn 189.933	8879.1	0.997756	0.0055376	mg/L				0.56%
Be 234.861	520940.4	1.00247	0.006334	mg/L				0.63%
As 188.979	2647.7	0.992359	0.0078035	mg/L				0.79%
Sb 206.833	3687.4	0.999013	0.0077377	mg/L				0.77%
Cr 206.158	24570.8	1.01696	0.002480	mg/L				0.24%
Pb 220.353	4464.9	0.993270	0.0022594	mg/L				0.23%
Ni 231.604	19992.5	0.995849	0.0055468	mg/L				0.56%
Tl 190.800	1491.1	1.01253	0.005116	mg/L				0.51%

Mean Data

ID: ICV V-4847 (2)      Seq. No.: 6      Sample No.: 1      A/S Pos: 159  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      5:51:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	141798.8	1.00848	0.003111	mg/L				0.31%
Al 308.215	172276.6	10.1262	0.01044	mg/L				0.10%
Ba 233.527	47391.5	1.01581	0.002525	mg/L				0.25%
Ca 315.887	3646830.6	100.841	0.6992	mg/L				0.69%
Cd 226.502	99975.6	1.00088	0.003364	mg/L				0.34%
Co 228.616	29627.5	1.02400	0.002636	mg/L				0.26%
Cu 324.754	145076.2	1.00873	0.005684	mg/L				0.56%
Fe 273.955	147325.4	10.0936	0.04661	mg/L				0.46%
Mg 279.079	1243316.7	101.078	0.7303	mg/L				0.72%
Mn 257.610	495626.2	0.999337	0.0028180	mg/L				0.28%
Se 196.026	6419.6	1.00297	0.002501	mg/L				0.25%
V 292.402	158934.9	0.991381	0.0017161	mg/L				0.17%
Zn 206.200	45233.4	1.03818	0.007928	mg/L				0.76%
Na 330.237	76636.3	105.887	0.4560	mg/L				0.43%
Ti 334.941	482781.3	0.991152	0.0023134	mg/L				0.23%



Mo	202.030	15961.3	0.998479	0.0039156	mg/L	0.39%
Sn	189.933	8987.8	1.00994	0.004796	mg/L	0.47%
Be	234.861	522512.9	1.00550	0.006327	mg/L	0.63%
As	188.979	2670.8	1.00090	0.003669	mg/L	0.37%
Sb	206.833	3708.0	1.00467	0.007193	mg/L	0.72%
Cr	206.158	24883.9	1.03011	0.000376	mg/L	0.04%
Pb	220.353	4509.9	1.00332	0.005026	mg/L	0.50%
Ni	231.604	20204.8	1.00642	0.001846	mg/L	0.18%
Pt	190.800	1509.7	1.02444	0.005775	mg/L	0.56%

Mean Data  
 ID: ICB V-5157      Seq. No.: 7      Sample No.: 2      A/S Pos: 1  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      5:54:07 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	328.068	-273.5	-0.0019353	0.00027728	mg/L			14.33%
Al	308.215	6115.9	0.0086432	0.00255297	mg/L			29.54%
Ba	233.527	-0.9	-0.0000192	0.00002691	mg/L			140.29%
Ca	315.887	-17018.0	-0.470575	0.0099767	mg/L			2.12%
Cd	226.502	-187.3	-0.0018753	0.00002171	mg/L			1.16%
Co	228.616	-87.5	-0.0030242	0.00014844	mg/L			4.91%
Cu	324.754	8122.5	0.0043068	0.00027321	mg/L			6.34%
Fe	273.955	447.8	-0.0066145	0.00135525	mg/L			20.49%
Mg	279.079	483.4	0.0392969	0.00235470	mg/L			5.99%
Mn	257.610	455.9	0.0009192	0.00003935	mg/L			4.28%
Se	196.026	48.0	0.0003458	0.00032798	mg/L			94.83%
V	292.402	-189.3	-0.0011903	0.00010742	mg/L			9.02%
Zn	206.200	204.0	-0.0027843	0.00011194	mg/L			4.02%
Na	330.237	943.5	1.26384	0.037107	mg/L			2.94%
*QC exceeds upper limit for Na 330.237 Action = Continue								
Ti	334.941	-318.3	-0.0006535	0.00006796	mg/L			10.40%
Pt	202.030	-96.9	-0.0060640	0.00040437	mg/L			6.67%
Sn	189.933	2.5	0.0036199	0.00062326	mg/L			17.22%
Be	234.861	-330.3	-0.0006357	0.00005456	mg/L			8.58%
As	188.979	-37.7	-0.0012180	0.00031539	mg/L			25.89%
Sb	206.833	71.5	-0.0004421	0.00018590	mg/L			42.05%
Cr	206.158	151.6	-0.0010809	0.00019162	mg/L			17.73%
Pb	220.353	17.7	0.0008541	0.00024952	mg/L			29.21%
Ni	231.604	-19.9	-0.0011206	0.00003430	mg/L			3.06%
Pt	190.800	-53.8	0.0069567	0.00012824	mg/L			1.84%

Mean Data  
 ID: ICSA V-4505      Seq. No.: 8      Sample No.: 3      A/S Pos: 5  
 Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
 Data: Original      Date: 8/10/05      5:57:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag	328.068	-242.0	-0.0017124	0.00009534	mg/L			5.57%
Al	308.215	7280975.1	442.866	1.1076	mg/L			0.25%
Ba	233.527	-88.7	-0.0019009	0.00020676	mg/L			10.88%
Ca	315.887	16090658.7	444.932	0.5462	mg/L			0.12%
Cd	226.502	1280.0	-0.0012460	0.00017508	mg/L			14.05%
Co	228.616	64.3	0.0022232	0.00022984	mg/L			10.34%
Cu	324.754	7402.7	0.0060788	0.00010714	mg/L			1.76%
Fe	273.955	2555929.4	175.724	0.2067	mg/L			0.12%
Mg	279.079	6141485.3	499.285	0.0088	mg/L			0.00%
Mn	257.610	-2621.9	-0.0052866	0.00004732	mg/L			0.90%
Se	196.026	-226.6	0.0029992	0.00225834	mg/L			75.30%
V	292.402	7446.2	0.0055862	0.00028171	mg/L			5.04%
Zn	206.200	75.1	-0.0057657	0.00008382	mg/L			1.45%
Na	330.237	769.1	-4.96087	0.072360	mg/L			1.46%
*QC exceeds lower limit for Na 330.237 Action = Continue								
Ti	334.941	-1807.1	-0.0037101	0.00002003	mg/L			0.54%
Mo	202.030	-181.0	-0.0042907	0.00008794	mg/L			2.05%
Sn	189.933	16.2	0.0051615	0.00053243	mg/L			10.32%
Be	234.861	-7230.1	-0.0016084	0.00004829	mg/L			3.00%
As	188.979	-53.9	0.0033322	0.00004873	mg/L			1.46%
Sb	206.833	112.6	-0.0018949	0.00151508	mg/L			79.96%
Cr	206.158	828.1	0.0047763	0.00022954	mg/L			4.81%

Pb 220.353	-178.1	-0.0024979	0.00100726	mg/L	40.32%
Ni 231.604	1020.2	0.0081983	0.00007013	mg/L	0.86%
Tl 190.800	-56.9	0.0049851	0.00290362	mg/L	58.25%

Mean Data

ID: ICSAB V-4506	Seq. No.: 9	Sample No.: 4	A/S Pos: 6
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	6:00:36 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	145227.3	1.02746	0.011540	mg/L				1.12%
Al 308.215	7286627.3	443.235	5.3578	mg/L				1.21%
Ba 233.527	21997.3	0.471501	0.0003383	mg/L				0.07%
Ca 315.887	16079523.4	444.624	3.8069	mg/L				0.86%
Cd 226.502	93595.2	0.922946	0.0071044	mg/L				0.77%
Co 228.616	13466.2	0.465423	0.0003820	mg/L				0.08%
Cu 324.754	75854.2	0.508102	0.0057134	mg/L				1.12%
Fe 273.955	2555784.7	175.714	0.7839	mg/L				0.45%
Hg 279.079	6141816.5	499.312	4.6443	mg/L				0.93%
Mn 257.610	231245.5	0.466263	0.0025416	mg/L				0.55%
Se 196.026	5725.9	0.939663	0.0054017	mg/L				0.57%
V 292.402	79686.7	0.459896	0.0025095	mg/L				0.55%
Zn 206.200	38463.4	0.881674	0.0003821	mg/L				0.04%
Na 330.237	2185.1	-0.773442	0.0015482	mg/L				0.20%
Ti 334.941	-1684.1	-0.0034576	0.00001297	mg/L				0.38%
Mo 202.030	-187.4	-0.0046913	0.00010873	mg/L				2.32%
Sn 189.933	29.9	0.0066873	0.00344527	mg/L				51.52%
Be 234.861	243156.0	0.480222	0.0007486	mg/L				0.16%
As 188.979	2632.3	0.997183	0.0037429	mg/L				0.38%
Sb 206.833	3657.9	0.978393	0.0042995	mg/L				0.44%
Cr 206.158	11960.8	0.471642	0.0021220	mg/L				0.45%
Pb 220.353	4070.8	0.945688	0.0044176	mg/L				0.47%
Ni 231.604	19569.7	0.932277	0.0024420	mg/L				0.26%
Tl 190.800	1406.1	0.948936	0.0005359	mg/L				0.06%

Mean Data

ID: MB 6240 (100)	Seq. No.: 10	Sample No.: 1	A/S Pos: 40
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	6:03:24 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-331.5	-0.0023452	0.00003711	mg/L	-0.0023452	0.00003711	mg/L	1.58%
Al 308.215	11598.8	0.342501	0.0222932	mg/L	0.342501	0.0222932	mg/L	6.51%
Ba 233.527	40.4	0.0008660	0.00002291	mg/L	0.0008660	0.00002291	mg/L	2.65%
Ca 315.887	-11603.5	-0.320856	0.0250340	mg/L	-0.320856	0.0250340	mg/L	7.80%
Cd 226.502	-183.7	-0.0018394	0.00003375	mg/L	-0.0018394	0.00003375	mg/L	1.83%
Co 228.616	-86.1	-0.0029746	0.00008475	mg/L	-0.0029746	0.00008475	mg/L	2.85%
Cu 324.754	10177.1	0.0193755	0.00027647	mg/L	0.0193755	0.00027647	mg/L	1.43%
Fe 273.955	5790.2	0.360760	0.0045306	mg/L	0.360760	0.0045306	mg/L	1.26%
Hg 279.079	1263.0	0.102677	0.0294338	mg/L	0.102677	0.0294338	mg/L	28.67%
Mn 257.610	2576.3	0.0051947	0.00000710	mg/L	0.0051947	0.00000710	mg/L	0.14%
Se 196.026	52.3	0.0010200	0.00050525	mg/L	0.0010200	0.00050525	mg/L	49.54%
V 292.402	-216.1	-0.0013592	0.00010827	mg/L	-0.0013592	0.00010827	mg/L	7.97%
Zn 206.200	444.1	0.0027648	0.00062821	mg/L	0.0027648	0.00062821	mg/L	22.72%
Na 330.237	1078.4	1.44459	0.014273	mg/L	1.44459	0.014273	mg/L	0.99%
Ti 334.941	196.8	0.0004040	0.00002179	mg/L	0.0004040	0.00002179	mg/L	5.39%
Mo 202.030	-101.2	-0.0063289	0.00038514	mg/L	-0.0063289	0.00038514	mg/L	6.09%
Sn 189.933	202.0	0.0259644	0.00008463	mg/L	0.0259644	0.00008463	mg/L	0.33%
Be 234.861	-377.1	-0.0007257	0.00004486	mg/L	-0.0007257	0.00004486	mg/L	6.18%
As 188.979	-36.1	-0.0006335	0.00020446	mg/L	-0.0006335	0.00020446	mg/L	32.27%
Sb 206.833	69.4	-0.0010336	0.00048108	mg/L	-0.0010336	0.00048108	mg/L	46.54%
Cr 206.158	492.8	0.0130515	0.00002578	mg/L	0.0130515	0.00002578	mg/L	0.20%
Pb 220.353	10.2	-0.0008090	0.00163982	mg/L	-0.0008090	0.00163982	mg/L	202.69%
Ni 231.604	255.4	0.0125982	0.00013243	mg/L	0.0125982	0.00013243	mg/L	1.05%
Tl 190.800	-61.7	0.0018836	0.00180461	mg/L	0.0018836	0.00180461	mg/L	95.81%

Mean Data

ID: LCS 100	Seq. No.: 11	Sample No.: 2	A/S Pos: 41
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	6:06:12 PM





1261

Table with 7 columns: Element, Intensity, Mean, Std.Dev., Units, Mean, and RSD. Rows include Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, and Tl.

Mean Data ID: 18873-013 MS 2 Seq. No.: 16 Sample No.: 7 A/S Pos: 46 Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0 Date: 8/10/05 6:22:18 PM Data: Original

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, and RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, Cr, Pb, Ni, and Tl.

Mean Data ID: CCV V-4510 Seq. No.: 17 Sample No.: 5 A/S Pos: 4 Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 6:25:58 PM Data: Original

Table with 8 columns: Element, Mean Intensity, Mean Conc., Std.Dev., Calib Units, Mean Conc., Std.Dev., Sample Units, and RSD. Rows include Ag, Al, Ba, Ca, Cd, Co, Cu, Fe, Mg, Mn, Se, V, Zn, Na, Ti, Mo, Sn, Be, As, Sb, and Cr.

Pb 220.353	2253.5	0.499781	0.0006591 mg/L	0.13%
Ni 231.604	10165.3	0.506281	0.0016128 mg/L	0.32%
Tl 190.800	709.3	0.499314	0.0017777 mg/L	0.36%

Mean Data

ID: CCB	Seq. No.: 18	Sample No.: 6	A/S Pos: 1
Sample Qty: 1.0000 g	Prep. Vol.: 1.0 L	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	6:28:46 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-355.7	-0.0025164	0.00021386	mg/L				8.50%
Al 308.215	6218.5	0.0148929	0.00096368	mg/L				6.47%
Ba 233.527	-7.7	-0.0001647	0.00001380	mg/L				8.38%
Ca 315.887	-17094.8	-0.472698	0.0033502	mg/L				0.71%
Cd 226.502	-193.4	-0.0019366	0.00004093	mg/L				2.11%
Co 228.616	-89.8	-0.0031044	0.00018943	mg/L				6.10%
Cu 324.754	8042.6	0.0037206	0.00011882	mg/L				3.19%
Fe 273.955	503.0	-0.0028192	0.00007498	mg/L				2.66%
Mg 279.079	549.8	0.0446948	0.00104118	mg/L				2.33%
Mn 257.610	466.7	0.0009410	0.00003330	mg/L				3.54%
Se 196.026	47.1	0.0002014	0.00023039	mg/L				114.41%
V 292.402	-211.7	-0.0013315	0.00021635	mg/L				16.25%
Zn 206.200	168.9	-0.0035963	0.00009259	mg/L				2.57%
Na 330.237	949.4	1.27179	0.043019	mg/L				3.38%
QC exceeds upper limit for Na 330.237 Action = Continue								
Ti 334.941	-56.8	-0.0001167	0.00085270	mg/L				730.80%
Mo 202.030	-102.9	-0.0064359	0.00022111	mg/L				3.44%
Sn 189.933	-18.3	0.0012887	0.00065562	mg/L				50.87%
Be 234.861	-358.7	-0.0006902	0.00001632	mg/L				2.36%
As 188.979	-35.3	-0.0003322	0.00009337	mg/L				28.10%
Sb 206.833	78.1	0.0013895	0.00145962	mg/L				105.04%
Cr 206.158	151.0	-0.0011051	0.00000783	mg/L				0.71%
Pb 220.353	18.0	0.0009302	0.00065307	mg/L				70.20%
Ni 231.604	-13.9	-0.0008194	0.00018393	mg/L				22.45%
Tl 190.800	-57.4	0.0046312	0.00127497	mg/L				27.53%

Mean Data

ID: 18873-012 PS	Seq. No.: 19	Sample No.: 8	A/S Pos: 47
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0
	Data: Original	Date: 8/10/05	6:31:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	78101.6	0.568389	0.0009756	mg/L	0.568389	0.0009756	mg/L	0.17%
Al 308.215	1181271.4	71.5638	0.09710	mg/L	71.5638	0.09710	mg/L	0.14%
Ba 233.527	57266.5	1.22748	0.003709	mg/L	1.22748	0.003709	mg/L	0.30%
Ca 315.887	2217488.2	61.3171	0.12858	mg/L	61.3171	0.12858	mg/L	0.21%
Cd 226.502	51880.9	0.511681	0.0020874	mg/L	0.511681	0.0020874	mg/L	0.41%
Co 228.616	16555.1	0.572183	0.0028353	mg/L	0.572183	0.0028353	mg/L	0.50%
Cu 324.754	87685.4	0.587821	0.0000173	mg/L	0.587821	0.0000173	mg/L	0.00%
Fe 273.955	1401964.0	96.3701	0.20617	mg/L	96.3701	0.20617	mg/L	0.21%
Mg 279.079	920994.2	74.8742	0.15478	mg/L	74.8742	0.15478	mg/L	0.21%
Mn 257.610	1047741.0	2.11257	0.002355	mg/L	2.11257	0.002355	mg/L	0.11%
Se 196.026	3106.9	0.510613	0.0038184	mg/L	0.510613	0.0038184	mg/L	0.75%
V 292.402	105868.1	0.670131	0.0009042	mg/L	0.670131	0.0009042	mg/L	0.13%
Zn 206.200	35803.5	0.820184	0.0016380	mg/L	0.820184	0.0016380	mg/L	0.20%
Na 330.237	36249.0	51.5586	0.00164	mg/L	51.5586	0.00164	mg/L	0.00%
Ti 334.941	1448796.9	2.97439	0.000175	mg/L	2.97439	0.000175	mg/L	0.01%
Mo 202.030	7985.1	0.499517	0.0030468	mg/L	0.499517	0.0030468	mg/L	0.61%
Sn 189.933	4890.2	0.559517	0.0025470	mg/L	0.559517	0.0025470	mg/L	0.46%
Be 234.861	259025.5	0.505205	0.0013598	mg/L	0.505205	0.0013598	mg/L	0.27%
As 188.979	1419.8	0.549784	0.0004691	mg/L	0.549784	0.0004691	mg/L	0.09%
Sb 206.833	1923.9	0.506405	0.0009339	mg/L	0.506405	0.0009339	mg/L	0.18%
Cr 206.158	17012.0	0.702638	0.0029426	mg/L	0.702638	0.0029426	mg/L	0.42%
Pb 220.353	2487.3	0.557123	0.0029220	mg/L	0.557123	0.0029220	mg/L	0.52%
Ni 231.604	13752.8	0.667901	0.0017329	mg/L	0.667901	0.0017329	mg/L	0.26%
Tl 190.800	677.0	0.504524	0.0044370	mg/L	0.504524	0.0044370	mg/L	0.88%

Mean Data

ID: 18873-012 SD	Seq. No.: 20	Sample No.: 9	A/S Pos: 48
Sample Qty: 1.0000 mL	Prep. Vol.: 1.0 mL	Dilution: 1.0:	1.0

Data: Original

Date: 8/10/05

6:35:16 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-743.1	-0.0052575	0.00048529	mg/L	-0.0052575	0.00048529	mg/L	9.23%
Al 308.215	212974.0	12.6042	0.19692	mg/L	12.6042	0.19692	mg/L	1.56%
Ba 233.527	6682.2	0.143229	0.0007030	mg/L	0.143229	0.0007030	mg/L	0.49%
Ca 315.887	68476.9	1.89349	0.047890	mg/L	1.89349	0.047890	mg/L	2.53%
Cd 226.502	-31.7	-0.0003169	0.00000267	mg/L	-0.0003169	0.00000267	mg/L	0.84%
Co 228.616	263.0	0.0090913	0.00016384	mg/L	0.0090913	0.00016384	mg/L	1.80%
Cu 324.754	9862.7	0.0170697	0.00065059	mg/L	0.0170697	0.00065059	mg/L	3.81%
Fe 273.955	276186.3	18.9548	0.28919	mg/L	18.9548	0.28919	mg/L	1.53%
Mg 279.079	58789.4	4.77941	0.092974	mg/L	4.77941	0.092974	mg/L	1.95%
Mn 257.610	166272.4	0.335257	0.0048077	mg/L	0.335257	0.0048077	mg/L	1.43%
Se 196.026	30.5	0.0032874	0.00143291	mg/L	0.0032874	0.00143291	mg/L	43.59%
V 292.402	5296.5	0.0333094	0.00040317	mg/L	0.0333094	0.00040317	mg/L	1.21%
Zn 206.200	3149.6	0.0653085	0.00001758	mg/L	0.0653085	0.00001758	mg/L	0.03%
Na 330.237	912.7	1.22259	0.050201	mg/L	1.22259	0.050201	mg/L	4.11%
Ti 334.941	244880.4	0.502740	0.0065432	mg/L	0.502740	0.0065432	mg/L	1.30%
Mo 202.030	-99.0	-0.0061909	0.00025883	mg/L	-0.0061909	0.00025883	mg/L	4.18%
Sn 189.933	34.4	0.0071952	0.00016707	mg/L	0.0071952	0.00016707	mg/L	2.32%
Be 234.861	-575.7	-0.0011079	0.00004942	mg/L	-0.0011079	0.00004942	mg/L	4.46%
As 188.979	-25.0	0.0034635	0.00128778	mg/L	0.0034635	0.00128778	mg/L	37.18%
Sb 206.833	70.5	-0.0007230	0.00059005	mg/L	-0.0007230	0.00059005	mg/L	81.61%
Cr 206.158	1056.9	0.0364174	0.00003254	mg/L	0.0364174	0.00003254	mg/L	0.09%
Pb 220.353	51.0	0.0082770	0.00009353	mg/L	0.0082770	0.00009353	mg/L	1.13%
Ni 231.604	687.3	0.0341101	0.00032728	mg/L	0.0341101	0.00032728	mg/L	0.96%
Tl 190.800	-69.0	-0.0028188	0.00053654	mg/L	-0.0028188	0.00053654	mg/L	19.03%

Mean Data

ID: ICSA V-4505      Seq. No.: 21      Sample No.: 3      A/S Pos: 5  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      6:38:28 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	-273.9	-0.0019378	0.00032010	mg/L				16.52%
Al 308.215	7261867.2	441.753	1.9926	mg/L				0.45%
Ba 233.527	-93.5	-0.0020049	0.00006605	mg/L				3.29%
Ca 315.887	15945803.5	440.927	1.6902	mg/L				0.38%
Cd 226.502	1271.7	-0.0012991	0.00000792	mg/L				0.61%
Co 228.616	64.0	0.0022128	0.00014345	mg/L				6.48%
Cu 324.754	7295.0	0.0052743	0.00034390	mg/L				6.52%
Fe 273.955	2550598.8	175.357	0.4256	mg/L				0.24%
Mg 279.079	6092435.2	495.298	1.4343	mg/L				0.29%
Mn 257.610	-2424.8	-0.0048891	0.00054430	mg/L				11.13%
Se 196.026	-246.8	-0.0002786	0.00024460	mg/L				87.81%
V 292.402	7530.9	0.0066037	0.00092767	mg/L				14.05%
Zn 206.200	45.4	-0.0064508	0.00006241	mg/L				0.97%
Na 330.237	793.7	-4.89468	0.021880	mg/L				0.45%
*QC exceeds lower limit for Na 330.237 Action = Continue								
Ti 334.941	-1710.7	-0.0035122	0.00020465	mg/L				5.83%
Mo 202.030	-185.5	-0.0045899	0.00004389	mg/L				0.96%
Sn 189.933	18.0	0.0053554	0.00065066	mg/L				12.15%
Be 234.861	-7431.4	-0.0020215	0.00029191	mg/L				14.44%
As 188.979	-56.9	0.0021743	0.00247716	mg/L				113.93%
Sb 206.833	125.1	0.0016017	0.00242775	mg/L				151.58%
Cr 206.158	825.7	0.0047353	0.00065651	mg/L				13.86%
Pb 220.353	-181.9	-0.0035161	0.00200124	mg/L				56.92%
Ni 231.604	1010.1	0.0077888	0.00061890	mg/L				7.95%
Tl 190.800	-65.4	-0.0005126	0.00283373	mg/L				552.87%

Mean Data

ID: ICSAB V-4506      Seq. No.: 22      Sample No.: 4      A/S Pos: 6  
Sample Qty: 1.0000 g      Prep. Vol.: 1.0 L      Dilution: 1.0: 1.0  
Data: Original      Date: 8/10/05      6:41:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Std.Dev.	Calib Units	Mean Conc.	Std.Dev.	Sample Units	RSD
Ag 328.068	144056.0	1.01918	0.002435	mg/L				0.24%
Al 308.215	7263755.2	441.868	1.4169	mg/L				0.32%
Ba 233.527	21975.5	0.471033	0.0003714	mg/L				0.08%

1264

Table with 5 columns: Element, Mean, Std. Dev., Calib, and RSD. Lists elements from Ca to Tl with their respective values.

Mean Data ID: CCV V-4510 Sample Qty: 1.0000 g Seq. No.: 24 Sample No.: 5 A/S Pos: 4 Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 6:44:38 PM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Calib Units, Mean Conc., Std. Dev., Sample Units, and RSD. Lists elements from Ag to Tl with their respective values.

Mean Data ID: CCB Sample Qty: 1.0000 g Seq. No.: 24 Sample No.: 6 A/S Pos: 1 Prep. Vol.: 1.0 L Dilution: 1.0: 1.0 Date: 8/10/05 6:47:26 PM

Table with 8 columns: Element, Mean Corr. Intensity, Mean Conc., Std. Dev., Calib Units, Mean Conc., Std. Dev., Sample Units, and RSD. Lists elements from Ag to Se with their respective values.



1265

V 292.402	-229.5	-0.0014436	0.00018280	mg/L	12.66%
Zn 206.200	171.3	-0.0035413	0.00007458	mg/L	2.11%
Na 330.237	968.1	1.29680	0.020865	mg/L	1.61%
*QC exceeds upper limit for Na 330.237 Action = Continue					
Ti 334.941	-344.6	-0.0007075	0.00003163	mg/L	4.47%
Mo 202.030	-100.3	-0.0062713	0.00002646	mg/L	0.42%
Sn 189.933	-24.6	0.0005830	0.00121036	mg/L	207.61%
Be 234.861	-365.0	-0.0007024	0.00002970	mg/L	4.23%
As 188.979	-34.8	-0.0001733	0.00089005	mg/L	513.62%
Sb 206.833	67.9	-0.0014374	0.00027831	mg/L	19.36%
Cr 206.158	147.3	-0.0012575	0.00017566	mg/L	13.97%
Pb 220.353	9.8	-0.0008975	0.00104014	mg/L	115.89%
Ni 231.604	-17.6	-0.0010021	0.00003312	mg/L	3.30%
Tl 190.800	-60.1	0.0029100	0.00005975	mg/L	2.05%

Method: PE1 Axial

IEC: 121704.IEC

MSF:

Results: S6240B

Spectra Stored: Yes

Method Stored: Yes

Sample Info: s6240b

User: User1

Date: 8/10/05

6:58:05 PM

Method Description: 200.7/SW846

## Mean Data

ID: Calib Blank 1

Seq. No.: 1

A/S Pos: 1

Data: Original

Date: 8/10/05

6:59:29 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-325.9	25.02	7.68%	0	mg/L
Al 308.215	6283.7	122.59	1.95%	0	mg/L
Ba 233.527	-15.1	7.60	50.37%	0	mg/L
Ca 315.887	-17334.9	43.40	0.25%	0	mg/L
Cd 226.502	-197.5	4.41	2.23%	0	mg/L
Co 228.616	-90.1	2.10	2.33%	0	mg/L
Cu 324.754	7914.8	21.32	0.27%	0	mg/L
Fe 273.955	500.4	46.13	9.22%	0	mg/L
Mg 279.079	549.3	37.92	6.90%	0	mg/L
Mn 257.610	413.4	0.47	0.11%	0	mg/L
Se 196.026	48.2	4.26	8.84%	0	mg/L
V 292.402	-235.7	28.00	11.88%	0	mg/L
Zn 206.200	131.3	6.02	4.59%	0	mg/L
Na 330.237	923.5	66.62	7.21%	0	mg/L
Ti 334.941	-367.3	33.56	9.14%	0	mg/L
Mo 202.030	-106.6	2.23	2.09%	0	mg/L
Sn 189.933	-34.7	5.35	15.40%	0	mg/L
Be 234.861	-383.1	5.25	1.37%	0	mg/L
As 188.979	-35.6	2.31	6.49%	0	mg/L
Sb 206.833	70.5	4.27	6.06%	0	mg/L
Cr 206.158	145.6	4.32	2.97%	0	mg/L
Pb 220.353	12.5	0.57	4.54%	0	mg/L
Ni 231.604	-14.6	1.71	11.65%	0	mg/L
Tl 190.800	-62.7	2.23	3.56%	0	mg/L

## Mean Data

ID: Calib Std 1

Seq. No.: 2

A/S Pos: 160

Data: Original

Date: 8/10/05

7:02:13 PM

Element	Mean Corr. Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	1117.8	51.74	4.63%	0.010	mg/L
Al 308.215	7528.1	8.52	0.11%	0.10	mg/L
Ba 233.527	493.0	0.96	0.19%	0.010	mg/L
Ca 315.887	18468.2	491.50	2.66%	1.0	mg/L
Cd 226.502	815.5	6.38	0.78%	0.010	mg/L
Co 228.616	206.3	6.63	3.21%	0.010	mg/L
Cu 324.754	9194.2	52.47	0.57%	0.010	mg/L
Fe 273.955	1828.1	11.07	0.61%	0.10	mg/L
Mg 279.079	12228.4	119.61	0.98%	1.0	mg/L
Mn 257.610	5513.4	71.00	1.29%	0.010	mg/L
Se 196.026	107.7	2.56	2.38%	0.010	mg/L
V 292.402	1429.3	44.66	3.12%	0.010	mg/L
Zn 206.200	809.3	9.82	1.21%	0.010	mg/L
Na 330.237	1511.2	23.60	1.56%	1.0	mg/L

# Run Log

Data File: W\METALS.FRM\ICPDATA\HgCv\1H6240S.TXT

Instrument: HGCV1

Analysis Date: 08/10/05

Standard/Batch/SnCl2 Lot #: V-5631

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blank	1	CAL	11:22	1						
0.5 PPB	1	CAL	11:24	2						
1.0 PPB	1	CAL	11:25	3						
2.0 PPB	1	CAL	11:27	4						
5.0 PPB	1	CAL	11:28	5						
10.0 PPB	1	CAL	11:30	6						
Calib Blank	1	CAL	11:34	7						
0.5 PPB	1	CAL	11:35	8						
1.0 PPB	1	CAL	11:37	9						
2.0 PPB	1	CAL	11:38	10						
5.0 PPB	1	CAL	11:40	11						
10.0 PPB	1	CAL	11:42	12						
25.0 PPB	1	CAL	11:43	13						
ICV 1183 (2)	1	ICV	11:45	14						
ICB	1	ICB	11:46	15						
MB 6240 (167)	1	MB	11:48	16		SOIL	SOIL	SW846	6240	
LCS	1	LCS	11:50	17		SOIL	SOIL	SW846	6240	
LCS MR	1	LCS	11:51	18		SOIL	SOIL	SW846	6240	
AC18873-012	1	NA	11:53	19	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-012	1	NA	11:54	20	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-011	1	NA	11:56	21	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-013	1	NA	11:58	22	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-001	1	SMP	11:59	23	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-002	1	SMP	12:01	24	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-003	1	SMP	12:02	25	HG-SOIL	SOIL	SOIL	SW846	6240	
CCV	1	CCV	12:04	26						
CCB	1	CCB	12:06	27						
AC18873-005	1	SMP	12:07	28	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-006	1	SMP	12:09	29	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-007	1	SMP	12:10	30	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-008	1	SMP	12:12	31	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-009	1	SMP	12:14	32	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-010	1	SMP	12:15	33	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-014	1	SMP	12:17	34	HG-SOIL	SOIL	AQUEO	SW846	6240	
AC18873-015	1	SMP	12:18	35	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-016	1	SMP	12:20	36	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-017	1	SMP	12:22	37	HG-SOIL	SOIL	SOIL	SW846	6240	
CCV	1	CCV	12:23	38						
CCB	1	CCB	12:25	39						
AC18873-018	1	SMP	12:27	40	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-019	1	SMP	12:28	41	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-020	1	SMP	12:30	42	HG-SOIL	SOIL	SOIL	SW846	6240	
MB FB	1	MB	12:31	43		SOIL	SOIL	SW846	6240	
LCSW	1	LCS	12:33	44		SOIL	AQUEO	SW846	6240	
CCV	1	CCV	12:35	45						
CCB	1	CCB	12:36	46						

*Shanahan 8/15/05*

*Shanahan 8/15/05*

# Run Log

Data File: W\METALS\FRM\ICPDATA\HgCv\1H6240SB.TXT Instrument: HGCV1

Analysis Date: 08/12/05

Standard/Batch/SnCl2 Lot #: V-5596

Sample Id	DF	QcType	Time	Run #	Test Group	Rept Limit Matrix	Qc 5,7 Matrix	Anal Method	Prep Batch	NOTES:
Calib Blank	1	CAL	09:13	1						
0.5 PPB	1	CAL	09:15	2						
1.0 PPB	1	CAL	09:17	3						
2.0 PPB	1	CAL	09:18	4						
5.0 PPB	1	CAL	09:20	5						
10.0 PPB	1	CAL	09:21	6						
25.0 PPB	1	CAL	09:23	7						
ICV 1183 (2)	1	ICV	09:25	8						
ICB	1	ICB	09:26	9						
MB 6240 (167)	1	MB	09:28	10		SOIL	SOIL	SW846	6240	
LCS	1	LCS	09:29	11		SOIL	SOIL	SW846	6240	
LCS MR	1	LCS	09:31	12		SOIL	SOIL	SW846	6240	
AC18873-012	1	SMP	09:33	13	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-012	1	MR	09:34	14	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-011	1	MS	09:36	15	HG-SOIL	SOIL	SOIL	SW846	6240	
AC18873-013	1	MS	09:37	16	HG-SOIL	SOIL	SOIL	SW846	6240	
CCV	1	CCV	09:39	17						
CCB	1	CCB	09:41	18						
CCB	1	CCB	11:15	19						

*Shiand a 8/15/05*

*[Signature]*  
*8/12/05*

*1<sup>st</sup> Analysis* *8/10/05* *V-5631*

Method Name: HgCV1 SOIL  
Method Description: HgCV1 SOIL  
Element: Hg

*Shian m 8/15/05*

Date: 08/10/2005  
Technique: FI-MHS  
Calibration Type:  
Hg, Calc. Intercept : Linear  
Wavelength: 253.7 nm  
Sample Info Name: H6240S.SIF

Results Data Set Name: H6240S

=====  
Element: Hg Seq. No.: 7 AS Loc.: 1 Date: 08/10/2005  
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0004	0.0010	0.0004	11:33:28	No
2			0.0004	0.0004	0.0004	11:34:03	No
Mean:			0.0004				
SD :			0.0000				
%RSD:			5.2952				

Auto-zero performed.

=====  
Element: Hg Seq. No.: 8 AS Loc.: 2 Date: 08/10/2005  
Sample ID: 0.5 PPB

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0039	0.0142	0.0044	11:35:03	No
2			0.0039	0.0136	0.0043	11:35:38	No
Mean:			0.0039				
SD :			0.0000				
%RSD:			0.8103				

[Hg] Standard number 1 applied. [0.500]  
Correlation Coefficient: 1.00000 Slope: 0.00785  
Intercept : 0.00000

*Except QC all the others were reported. See Reset for QC (prepped wrong sample)*

=====  
Element: Hg Seq. No.: 9 AS Loc.: 3 Date: 08/10/2005  
Sample ID: 1.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0076	0.0252	0.0080	11:36:40	No
2			0.0076	0.0247	0.0080	11:37:14	No
Mean:			0.0076				
SD :			0.0000				
%RSD:			0.4283				

[Hg] Standard number 2 applied. [1.000]  
Correlation Coefficient: 0.99978 Slope: 0.00757  
Intercept : 0.00005

=====  
Element: Hg Seq. No.: 10 AS Loc.: 4 Date: 08/10/2005  
Sample ID: 2.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0142	0.0454	0.0146	11:38:15	No
2			0.0139	0.0436	0.0143	11:38:50	No
Mean:			0.0140				
SD :			0.0002				
%RSD:			1.5602				

[Hg] Standard number 3 applied. [2.000]  
Correlation Coefficient: 0.99884 Slope: 0.00697

Intercept : 0.00028

=====  
 Element: Hg Seq. No.: 11 AS Loc.: 5 Date: 08/10/2005  
 Sample ID: 5.0 PPB

-----  

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0343	0.1080	0.0347	11:39:52	No
2			0.0341	0.1103	0.0345	11:40:26	No

Mean: 0.0342  
 SD : 0.0001  
 %RSD: 0.4230  
 [Hg] Standard number 4 applied. [5.000]  
 Correlation Coefficient: 0.99976 Slope: 0.00678  
 Intercept : 0.00043

=====  
 Element: Hg Seq. No.: 12 AS Loc.: 6 Date: 08/10/2005  
 Sample ID: 10.0 PPB

-----  

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0672	0.2141	0.0676	11:41:27	No
2			0.0668	0.2124	0.0672	11:42:02	No

Mean: 0.0670  
 SD : 0.0002  
 %RSD: 0.3712  
 [Hg] Standard number 5 applied. [10.00]  
 Correlation Coefficient: 0.99991 Slope: 0.00666  
 Intercept : 0.00057

=====  
 Element: Hg Seq. No.: 13 AS Loc.: 7 Date: 08/10/2005  
 Sample ID: 25.0 PPB

-----  

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1526	0.4898	0.1530	11:43:04	No
2			0.1526	0.4897	0.1530	11:43:38	No

Mean: 0.1526  
 SD : 0.0000  
 %RSD:  
 [Hg] Standard number 6 applied. [25.00]  
 Correlation Coefficient: 0.99922 Slope: 0.00610  
 Intercept : 0.00200

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0004	---	---	---	---
0.5 PPB	0.0039	0.500	0.315	0.0000	0.8
1.0 PPB	0.0076	1.000	0.914	0.0000	0.4
2.0 PPB	0.0140	2.000	1.971	0.0002	1.6
5.0 PPB	0.0342	5.000	5.280	0.0001	0.4
10.0 PPB	0.0670	10.000	10.66	0.0002	0.4
25.0 PPB	0.1526	25.000	24.69	0.0000	---

Correlation Coefficient: 0.99922 Slope: 0.00610 Intercept: 0.0020

=====  
 Element: Hg Seq. No.: 14 AS Loc.: 9 Date: 08/10/2005  
 Sample ID: ICV 1183 (2)

-----  

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
--------	-----------------	---------------	-----------------	-----------	-------------	------	-------------

1	20.54	20.54	0.1273	0.4087	0.1277	11:44:42	No
2	20.39	20.39	0.1264	0.4043	0.1268	11:45:17	No
Mean:	20.47	20.47	0.1268				
SD :	0.1043	0.1043	0.0006				
%RSD:	0.5	0.5	0.5013				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 15 AS Loc.: 1 Date: 08/10/2005  
 Sample ID: ICB

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.327	-0.327	0.0000	-0.0004	0.0004	11:46:18	No
2	-0.330	-0.330	0.0000	-0.0004	0.0004	11:46:53	No
Mean:	-0.328	-0.328	0.0000				
SD :	0.0017	0.0017	0.0000				
%RSD:	0.5	0.5	1055.8741				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 16 AS Loc.: 10 Date: 08/10/2005  
 Sample ID: MB 6240 (167)

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.317	-0.317	0.0001	0.0021	0.0005	11:47:55	No
2	-0.328	-0.328	0.0000	0.0006	0.0004	11:48:30	No
Mean:	-0.323	-0.323	0.0000				
SD :	0.0078	0.0078	0.0000				
%RSD:	2.4	2.4	135.5878				

=====  
 Element: Hg Seq. No.: 17 AS Loc.: 11 Date: 08/10/2005  
 Sample ID: LCS

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	11.42	11.42	0.0716	0.2267	0.0720	11:49:30	No
2	11.44	11.44	0.0717	0.2257	0.0722	11:50:05	No
Mean:	11.43	11.43	0.0717				
SD :	0.0141	0.0141	0.0001				
%RSD:	0.1	0.1	0.1199				

=====  
 Element: Hg Seq. No.: 18 AS Loc.: 12 Date: 08/10/2005  
 Sample ID: LCS MR

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	11.38	11.38	0.0714	0.2242	0.0718	11:51:06	No
2	11.45	11.45	0.0718	0.2250	0.0723	11:51:41	No
Mean:	11.41	11.41	0.0716				
SD :	0.0495	0.0495	0.0003				
%RSD:	0.4	0.4	0.4214				

=====  
 Element: Hg Seq. No.: 19 AS Loc.: 13 Date: 08/10/2005  
 Sample ID: 18873-012

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.327	-0.327	0.0000	-0.0002	0.0004	11:52:42	No
2	-0.313	-0.313	0.0001	-0.0008	0.0005	11:53:17	No
Mean:	-0.320	-0.320	0.0001				
SD :	0.0104	0.0104	0.0001				
%RSD:	3.2	3.2	124.2381				

=====  
 Element: Hg Seq. No.: 20 AS Loc.: 14 Date: 08/10/2005 X  
 Sample ID: 18873-012 MR

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.228	-0.228	0.0006	0.0032	0.0010	11:54:18	No
2	-0.225	-0.225	0.0006	0.0044	0.0010	11:54:52	No
Mean:	-0.226	-0.226	0.0006				
SD :	0.0026	0.0026	0.0000				
%RSD:	1.1	1.1	2.5379				

=====  
 Element: Hg Seq. No.: 21 AS Loc.: 15 Date: 08/10/2005 X  
 Sample ID: 18873-011 MS 1 *wrong sample see QC Rest.*

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	26.34	26.34	0.1627	0.5135	0.1631	11:55:52	No
2	26.24	26.24	0.1621	0.5119	0.1625	11:56:27	No
Mean:	26.29	26.29	0.1624				
SD :	0.0693	0.0693	0.0004				
%RSD:	0.3	0.3	0.2604				

=====  
 Element: Hg Seq. No.: 22 AS Loc.: 16 Date: 08/10/2005 X  
 Sample ID: 18873-013 MS 2

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	11.07	11.07	0.0695	0.2205	0.0699	11:57:28	No
2	11.05	11.05	0.0694	0.2150	0.0698	11:58:02	No
Mean:	11.06	11.06	0.0695				
SD :	0.0138	0.0138	0.0001				
%RSD:	0.1	0.1	0.1212				

=====  
 Element: Hg Seq. No.: 23 AS Loc.: 17 Date: 08/10/2005 /  
 Sample ID: 18873-001

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.542	1.542	0.0114	0.0377	0.0118	11:59:03	No
2	1.531	1.531	0.0113	0.0367	0.0118	11:59:37	No
Mean:	1.536	1.536	0.0114				
SD :	0.0078	0.0078	0.0000				
%RSD:	0.5	0.5	0.4186				

=====  
 Element: Hg Seq. No.: 24 AS Loc.: 18 Date: 08/10/2005 /  
 Sample ID: 18873-002

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.126	0.126	0.0028	0.0080	0.0032	12:00:38	No
2	0.139	0.139	0.0029	0.0099	0.0033	12:01:12	No
Mean:	0.133	0.133	0.0028				
SD :	0.0096	0.0096	0.0001				
%RSD:	7.3	7.3	2.0901				

=====  
 Element: Hg Seq. No.: 25 AS Loc.: 19 Date: 08/10/2005 /  
 Sample ID: 18873-003

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.233	-0.233	0.0006	0.0036	0.0010	12:02:16	No
2	-0.247	-0.247	0.0005	0.0023	0.0009	12:02:51	No

Mean: -0.240 -0.240 0.0005  
 SD : 0.0098 0.0098 0.0001  
 %RSD: 4.1 4.1 11.1329

=====  
 Element: Hg Seq. No.: 26 AS Loc.: 8 Date: 08/10/2005  
 Sample ID: CCV

-----  

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.19	10.19	0.0641	0.2057	0.0646	12:03:55	No
2	10.28	10.28	0.0647	0.2081	0.0651	12:04:31	No
Mean:	10.23	10.23	0.0644				
SD :	0.0659	0.0659	0.0004				
%RSD:	0.6	0.6	0.6236				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 27 AS Loc.: 1 Date: 08/10/2005  
 Sample ID: CCB

-----  

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.318	-0.318	0.0001	0.0003	0.0005	12:05:34	No
2	-0.340	-0.340	-0.0001	-0.0016	0.0003	12:06:09	No
Mean:	-0.329	-0.329	0.0000				
SD :	0.0156	0.0156	0.0001				
%RSD:	4.8	4.8	3904.1303				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 28 AS Loc.: 20 Date: 08/10/2005  
 Sample ID: 18873-005

-----  

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.576	3.576	0.0238	0.0746	0.0242	12:07:11	No
2	3.624	3.624	0.0241	0.0760	0.0245	12:07:46	No
Mean:	3.600	3.600	0.0240				
SD :	0.0343	0.0343	0.0002				
%RSD:	1.0	1.0	0.8721				

=====  
 Element: Hg Seq. No.: 29 AS Loc.: 21 Date: 08/10/2005  
 Sample ID: 18873-006

-----  

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.935	4.935	0.0321	0.1010	0.0325	12:08:47	No
2	4.993	4.993	0.0325	0.1031	0.0329	12:09:21	No
Mean:	4.964	4.964	0.0323				
SD :	0.0416	0.0416	0.0003				
%RSD:	0.8	0.8	0.7851				

=====  
 Element: Hg Seq. No.: 30 AS Loc.: 22 Date: 08/10/2005  
 Sample ID: 18873-007

-----  

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.189	-0.189	0.0008	0.0003	0.0013	12:10:21	No
2	-0.136	-0.136	0.0012	0.0056	0.0016	12:10:56	No
Mean:	-0.163	-0.163	0.0010				
SD :	0.0377	0.0377	0.0002				
%RSD:	23.2	23.2	22.7240				

=====  
 Element: Hg Seq. No.: 31 AS Loc.: 23 Date: 08/10/2005



Sample ID: 18873-008

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.871	0.871	0.0073	0.0237	0.0077	12:11:57	No
2	0.876	0.876	0.0073	0.0250	0.0078	12:12:32	No
Mean:	0.873	0.873	0.0073				
SD :	0.0035	0.0035	0.0000				
%RSD:	0.4	0.4	0.2934				

Element: Hg Seq. No.: 32 AS Loc.: 24 Date: 08/10/2005  
Sample ID: 18873-009

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.772	0.772	0.0067	0.0197	0.0071	12:13:32	No
2	0.766	0.766	0.0067	0.0210	0.0071	12:14:07	No
Mean:	0.769	0.769	0.0067				
SD :	0.0037	0.0037	0.0000				
%RSD:	0.5	0.5	0.3360				

Element: Hg Seq. No.: 33 AS Loc.: 25 Date: 08/10/2005  
Sample ID: 18873-010

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.602	3.602	0.0240	0.0770	0.0244	12:15:07	No
2	3.528	3.528	0.0235	0.0731	0.0239	12:15:42	No
Mean:	3.565	3.565	0.0237				
SD :	0.0525	0.0525	0.0003				
%RSD:	1.5	1.5	1.3493				

Element: Hg Seq. No.: 34 AS Loc.: 26 Date: 08/10/2005  
Sample ID: 18873-014

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.367	-0.367	-0.0002	0.0000	0.0002	12:16:43	No
2	-0.315	-0.315	0.0001	0.0039	0.0005	12:17:17	No
Mean:	-0.341	-0.341	-0.0001				
SD :	0.0369	0.0369	0.0002				
%RSD:	10.8	10.8	296.7242				

Element: Hg Seq. No.: 35 AS Loc.: 27 Date: 08/10/2005  
Sample ID: 18873-015

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.554	1.554	0.0115	0.0387	0.0119	12:18:17	No
2	1.536	1.536	0.0114	0.0365	0.0118	12:18:52	No
Mean:	1.545	1.545	0.0114				
SD :	0.0132	0.0132	0.0001				
%RSD:	0.9	0.9	0.7064				

Element: Hg Seq. No.: 36 AS Loc.: 28 Date: 08/10/2005  
Sample ID: 18873-016

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.424	0.424	0.0046	0.0146	0.0050	12:19:56	No
2	0.424	0.424	0.0046	0.0149	0.0050	12:20:31	No
Mean:	0.424	0.424	0.0046				
SD :	0.0006	0.0006	0.0000				

%RSD: 0.1 0.1

=====  
 Element: Hg Seq. No.: 37 AS Loc.: 29 Date: 08/10/2005  
 Sample ID: 18873-017  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.198	-0.198	0.0008	0.0022	0.0012	12:21:33	No
2	-0.162	-0.162	0.0010	0.0049	0.0014	12:22:07	No
Mean:	-0.180	-0.180	0.0009				
SD :	0.0257	0.0257	0.0002				
%RSD:	14.3	14.3	17.3662				

=====  
 Element: Hg Seq. No.: 38 AS Loc.: 8 Date: 08/10/2005  
 Sample ID: CCV  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.08	10.08	0.0635	0.2069	0.0639	12:23:13	No
2	10.09	10.09	0.0636	0.2069	0.0640	12:23:47	No
Mean:	10.09	10.09	0.0635				
SD :	0.0068	0.0068	0.0000				
%RSD:							

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 39 AS Loc.: 1 Date: 08/10/2005  
 Sample ID: CCB  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.324	-0.324	0.0000	0.0000	0.0004	12:24:51	No
2	-0.301	-0.301	0.0002	0.0011	0.0006	12:25:25	No
Mean:	-0.313	-0.313	0.0001				
SD :	0.0165	0.0165	0.0001				
%RSD:	5.3	5.3	106.1371				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 40 AS Loc.: 30 Date: 08/10/2005  
 Sample ID: 18873-018  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.847	3.847	0.0255	0.0819	0.0259	12:26:27	No
2	3.888	3.888	0.0257	0.0840	0.0261	12:27:02	No
Mean:	3.867	3.867	0.0256				
SD :	0.0293	0.0293	0.0002				
%RSD:	0.8	0.8	0.6991				

=====  
 Element: Hg Seq. No.: 41 AS Loc.: 31 Date: 08/10/2005  
 Sample ID: 18873-019  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.056	1.056	0.0084	0.0277	0.0089	12:28:03	No
2	1.030	1.030	0.0083	0.0247	0.0087	12:28:37	No
Mean:	1.043	1.043	0.0084				
SD :	0.0181	0.0181	0.0001				
%RSD:	1.7	1.7	1.3208				

=====  
 Element: Hg Seq. No.: 42 AS Loc.: 32 Date: 08/10/2005  
 Sample ID: 18873-020  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.219	-0.219	0.0007	0.0035	0.0011	12:29:38	No
2	-0.214	-0.214	0.0007	0.0041	0.0011	12:30:14	No
Mean:	-0.216	-0.216	0.0007				
SD :	0.0036	0.0036	0.0000				
%RSD:	1.6	1.6	3.1828				

=====  
 Element: Hg Seq. No.: 43 AS Loc.: 33 Date: 08/10/2005  
 Sample ID: MB FB

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.362	-0.362	-0.0002	-0.0001	0.0002	12:31:14	No
2	-0.344	-0.344	-0.0001	0.0022	0.0003	12:31:49	No
Mean:	-0.353	-0.353	-0.0002				
SD :	0.0130	0.0130	0.0001				
%RSD:	3.7	3.7	51.7006				

=====  
 Element: Hg Seq. No.: 44 AS Loc.: 34 Date: 08/10/2005  
 Sample ID: LCSW

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.26	10.26	0.0646	0.2056	0.0650	12:32:50	No
2	10.21	10.21	0.0643	0.2048	0.0647	12:33:25	No
Mean:	10.23	10.23	0.0644				
SD :	0.0311	0.0311	0.0002				
%RSD:	0.3	0.3	0.2941				

=====  
 Element: Hg Seq. No.: 45 AS Loc.: 8 Date: 08/10/2005  
 Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.03	10.03	0.0632	0.2052	0.0636	12:34:27	No
2	10.10	10.10	0.0636	0.2058	0.0640	12:35:02	No
Mean:	10.07	10.07	0.0634				
SD :	0.0430	0.0430	0.0003				
%RSD:	0.4	0.4	0.4140				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 46 AS Loc.: 1 Date: 08/10/2005  
 Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.333	-0.333	0.0000	-0.0009	0.0004	12:36:05	No
2	-0.282	-0.282	0.0003	0.0045	0.0007	12:36:40	No
Mean:	-0.308	-0.308	0.0001				
SD :	0.0360	0.0360	0.0002				
%RSD:	11.7	11.7	176.9885				

QC value within specified limits.

1<sup>st</sup> Rv/ANALYST *[Signature]* 8/12/05 V-5596

Method Name: HgCV1 SOIL  
 Method Description: HgCV1 SOIL  
 Element: Hg

*Shian m 8/15/05*

Date: 08/12/2005  
 Technique: FI-MHS  
 Calibration Type:  
 Hg, Calc. Intercept : Linear  
 Wavelength: 253.7 nm  
 Sample Info Name: H6241S.SIF

Results Data Set Name: ~~H6241S~~ 8/12/05  
 H6240SB (Reset!!!)

=====  
 Element: Hg Seq. No.: 39 AS Loc.: 1 Date: 08/12/2005  
 Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0003	0.0005	0.0003	09:13:18	No
2			0.0003	0.0014	0.0003	09:13:53	No
Mean:			0.0003				
SD :			0.0000				
%RSD:			12.5397				

Auto-zero performed.

=====  
 Element: Hg Seq. No.: 40 AS Loc.: 2 Date: 08/12/2005  
 Sample ID: 0.5 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0037	0.0149	0.0040	09:14:54	No
2			0.0037	0.0148	0.0040	09:15:29	No
Mean:			0.0037				
SD :			0.0000				
%RSD:			0.5933				

QC Reported.

[Hg] Standard number 1 applied. [0.500]  
 Correlation Coefficient: 1.00000 Slope: 0.00740  
 Intercept : 0.00000

=====  
 Element: Hg Seq. No.: 41 AS Loc.: 3 Date: 08/12/2005  
 Sample ID: 1.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0074	0.0295	0.0077	09:16:30	No
2			0.0073	0.0280	0.0076	09:17:05	No
Mean:			0.0073				
SD :			0.0001				
%RSD:			1.0593				

[Hg] Standard number 2 applied. [1.000]  
 Correlation Coefficient: 0.99999 Slope: 0.00734  
 Intercept : 0.00001

=====  
 Element: Hg Seq. No.: 42 AS Loc.: 4 Date: 08/12/2005  
 Sample ID: 2.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0144	0.0527	0.0147	09:18:06	No
2			0.0145	0.0545	0.0148	09:18:41	No
Mean:			0.0145				
SD :			0.0001				
%RSD:			0.4651				

[Hg] Standard number 3 applied. [2.000]  
 Correlation Coefficient: 0.99996 Slope: 0.00723

Intercept : 0.00005

=====  
 Element: Hg Seq. No.: 43 AS Loc.: 5 Date: 08/12/2005  
 Sample ID: 5.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0353	0.1291	0.0356	09:19:43	No
2			0.0354	0.1288	0.0357	09:20:18	No
Mean:			0.0354				
SD :			0.0001				
%RSD:			0.2123				

[Hg] Standard number 4 applied. [5.000]  
 Correlation Coefficient: 0.99994 Slope: 0.00705  
 Intercept : 0.00018

=====  
 Element: Hg Seq. No.: 44 AS Loc.: 6 Date: 08/12/2005  
 Sample ID: 10.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0697	0.2588	0.0700	09:21:19	No
2			0.0698	0.2563	0.0701	09:21:54	No
Mean:			0.0698				
SD :			0.0001				
%RSD:							

[Hg] Standard number 5 applied. [10.00]  
 Correlation Coefficient: 0.99996 Slope: 0.00696  
 Intercept : 0.00030

=====  
 Element: Hg Seq. No.: 45 AS Loc.: 7 Date: 08/12/2005  
 Sample ID: 25.0 PPB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1693	0.6293	0.1696	09:22:55	No
2			0.1693	0.6262	0.1696	09:23:30	No
Mean:			0.1693				
SD :			0.0001				
%RSD:							

[Hg] Standard number 6 applied. [25.00]  
 Correlation Coefficient: 0.99992 Slope: 0.00677  
 Intercept : 0.00080

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0003	---	---	---	---
0.5 PPB	0.0037	0.500	0.428	0.0000	0.6
1.0 PPB	0.0073	1.000	0.966	0.0001	1.1
2.0 PPB	0.0145	2.000	2.021	0.0001	0.5
5.0 PPB	0.0354	5.000	5.107	0.0001	0.2
10.0 PPB	0.0698	10.000	10.19	0.0001	---
25.0 PPB	0.1693	25.000	24.90	0.0000	---

Correlation Coefficient: 0.99992 Slope: 0.00677 Intercept: 0.0008

=====  
 Element: Hg Seq. No.: 46 AS Loc.: 9 Date: 08/12/2005  
 Sample ID: ICV 1183 (2)

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
--------	-----------------	---------------	-----------------	-----------	-------------	------	-------------

1	20.06	20.06	0.1366	0.5029	0.1369	09:24:34	No
2	19.80	19.80	0.1348	0.4977	0.1351	09:25:09	No
Mean:	19.93	19.93	0.1357				
SD :	0.1872	0.1872	0.0013				
%RSD:	0.9	0.9	0.9336				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 47 AS Loc.: 1 Date: 08/12/2005  
 Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.111	-0.111	0.0001	0.0006	0.0004	09:26:10	No
2	-0.101	-0.101	0.0001	0.0011	0.0004	09:26:45	No
Mean:	-0.106	-0.106	0.0001				
SD :	0.0071	0.0071	0.0000				
%RSD:	6.7	6.7	55.6209				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 48 AS Loc.: 10 Date: 08/12/2005  
 Sample ID: MB 6240 (167)

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.090	-0.090	0.0002	0.0023	0.0005	09:27:46	No
2	-0.103	-0.103	0.0001	0.0004	0.0004	09:28:21	No
Mean:	-0.096	-0.096	0.0001				
SD :	0.0091	0.0091	0.0001				
%RSD:	9.4	9.4	41.1620				

=====  
 Element: Hg Seq. No.: 49 AS Loc.: 11 Date: 08/12/2005  
 Sample ID: LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.96	10.96	0.0749	0.2753	0.0752	09:29:22	No
2	10.85	10.85	0.0742	0.2707	0.0745	09:29:57	No
Mean:	10.90	10.90	0.0746				
SD :	0.0772	0.0772	0.0005				
%RSD:	0.7	0.7	0.7004				

=====  
 Element: Hg Seq. No.: 50 AS Loc.: 12 Date: 08/12/2005  
 Sample ID: LCS MR

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.90	10.90	0.0746	0.2731	0.0749	09:30:58	No
2	10.95	10.95	0.0749	0.2738	0.0752	09:31:33	No
Mean:	10.92	10.92	0.0747				
SD :	0.0328	0.0328	0.0002				
%RSD:	0.3	0.3	0.2973				

=====  
 Element: Hg Seq. No.: 51 AS Loc.: 13 Date: 08/12/2005  
 Sample ID: 18873-012

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	0.0008	0.0044	0.0011	09:32:34	No
2	-0.023	-0.023	0.0006	0.0029	0.0010	09:33:09	No
Mean:	-0.013	-0.013	0.0007				
SD :	0.0135	0.0135	0.0001				
%RSD:	101.3	101.3	12.8194				

=====  
 Element: Hg Seq. No.: 52 AS Loc.: 14 Date: 08/12/2005  
 Sample ID: 18873-012 MR  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.003	-0.003	0.0008	0.0049	0.0011	09:34:10	No
2	-0.011	-0.011	0.0007	0.0042	0.0010	09:34:45	No
Mean:	-0.007	-0.007	0.0008				
SD :	0.0055	0.0055	0.0000				
%RSD:	81.6	81.6	4.9498				

=====  
 Element: Hg Seq. No.: 53 AS Loc.: 15 Date: 08/12/2005  
 Sample ID: 18873-011 MS 1  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.80	10.80	0.0739	0.2702	0.0742	09:35:46	No
2	10.80	10.80	0.0739	0.2708	0.0742	09:36:21	No
Mean:	10.80	10.80	0.0739				
SD :	0.0010	0.0010	0.0000				
%RSD:							

=====  
 Element: Hg Seq. No.: 54 AS Loc.: 16 Date: 08/12/2005  
 Sample ID: 18873-013 MS 2  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.64	10.64	0.0728	0.2668	0.0731	09:37:22	No
2	10.77	10.77	0.0736	0.2675	0.0739	09:37:57	No
Mean:	10.70	10.70	0.0732				
SD :	0.0899	0.0899	0.0006				
%RSD:	0.8	0.8	0.8311				

=====  
 Element: Hg Seq. No.: 55 AS Loc.: 8 Date: 08/12/2005  
 Sample ID: CCV  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.23	10.23	0.0700	0.2557	0.0703	09:38:59	No
2	10.28	10.28	0.0704	0.2569	0.0707	09:39:34	No
Mean:	10.25	10.25	0.0702				
SD :	0.0392	0.0392	0.0003				
%RSD:	0.4	0.4	0.3780				

QC value within specified limits.

=====  
 Element: Hg Seq. No.: 56 AS Loc.: 1 Date: 08/12/2005  
 Sample ID: CCB  
 =====

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.099	-0.099	0.0001	0.0018	0.0004	09:40:38	No
2	-0.106	-0.106	0.0001	0.0012	0.0004	09:41:13	No
Mean:	-0.102	-0.102	0.0001				
SD :	0.0051	0.0051	0.0000				
%RSD:	5.0	5.0	31.3287				

QC value within specified limits.

**Metal Data**  
**Digestion Logbook Data**



### ICP SAMPLE PREPARATION LOG

ANALYTICAL METHOD: SW846 EPA 600 OTHER \_\_\_\_\_

Batch No.: 6240  
Matrix: SOIL

Analyst: JB  
Prep Date: 8/9/05  
Reviewed By: ms/9/05

LAB ID#	ICP		EF#	TCLP SPK	COMMENTS
	INITIAL	FINAL			
Method blank	SOAL	SOAL	--	--	
LCS	15g		--	--	
LCSD			--	--	
1. 18873-012					
DUP 18873-012					
MS 18873-011					
MSD 18873-013					
2. 18873-001					
3. 18873-002					
4. 18873-003					
5. 18873-004					
6. 18873-005					
7. 18873-006					
8. 18873-007					
9. 18873-008					
10. 18873-009					
11. 18873-010					
12. 18873-014	8g SOAL				
13. 18873-015	5g				
14. 18873-016					
15. 18873-017					
16. 18873-018					
17. 18873-019					
18. 18873-020					
19. mb FB	SOAL				
20. LPCS					

Hot Plate Temperature: 95° C

Spike Volume & Lot #	Acid	Manufacturer	Lot #:	Acid	Manufacturer	Lot #:
5.0 ml at 1237	HNO <sub>3</sub>	Baker	796	1:1 HNO <sub>3</sub>	Baker	v- 4503
5.0 ml at 1238	HCl	Baker	1142	1:1 HCl	Baker	v-
5.0 ml at 704	H <sub>2</sub> O <sub>2</sub>	Baker	1141			

Relinquished By: [Signature] Date: 8/9/05  
Received By: [Signature] Date: 8/9/05

**ICP SAMPLE PREPARATION LOG**

Hampton-Clarke/Veritec

1282

ANALYTICAL METHOD: SW846 EPA 600 OTHER \_\_\_\_\_

Batch No.: 6240 *Resist*  
 Matrix: Soil

Analyst: JS  
 Prep Date: 8/10/05  
 Reviewed By: MS

LAB ID#	ICP		EF#	TCLP SPK	COMMENTS
	INITIAL	FINAL			
Method blank	50ml	50ml	--	--	
LCS	.5g		--	--	
LCSD			--	--	
1. 18873-012					
DUP 18873-012			--	--	
MS 18873-011			--	--	
MSD 18873-012					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

Hot Plate Temperature: 95° C

Spike Volume & Lot #	Acid	Manufacturer	Lot #:	Acid	Manufacturer	Lot #:
	5ml of 1237	HNO <sub>3</sub>	Baker	1134	1:1 HNO <sub>3</sub>	Baker
5ml of 1238	HCl	Baker	1142	1:1 HCl	Baker	V-
	H <sub>2</sub> O <sub>2</sub>	Baker	1141			

Relinquished By: [Signature] Date: 8/10/05  
 Received By: [Signature] Date: 8/10/05

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: SW846 EPA 600 OTHER \_\_\_\_\_

Batch No.: 6240  
Matrix: SOIC

Analyst: JS  
Prep Date: 9/9/05  
Review By: K. L. S. 9/12/05

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	JS	JS	
LCS	15g		
LCS D			
1. 18873-012			
DUP 18873-012			
MS 18873-011			
MSD 18873-012			
2. 18873-001			
3. 18873-002			
4. 18873-003			
5. 18873-004			
6. 18873-005			
7. 18873-006			
8. 18873-007			
9. 18873-008			
10. 18873-009			
11. 18873-010			
12. 18873-014	JS		
13. 18873-015	JS 15g		
14. 18873-016			
15. 18873-017			
16. 18873-018			
17. 18873-019			
18. 18873-020			
19. MB, 15g	JS		
20. LCS			
KmnO <sub>4</sub> : V-2627			Block Temp.: 95°C
K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> :			Time In Block: 1230
NH <sub>2</sub> OH: V-4514			Time Out of Block: 1300

Spike Volume & Lot #

LCS 704 0.15g

MS V-5596 0.250 ml

Standard/Control Batch B-575

Acid	Manufacturer	Lot #:
HNO <sub>3</sub>	Baker	796
HCl	Baker	1142
H <sub>2</sub> SO <sub>4</sub>	Baker	85-716

Relinquished By: [Signature] 8/9/05

Received By: [Signature] 8/9/05

HG SAMPLE PREPARATION LOG

ANALYTICAL METHOD: SW846 EPA 600 OTHER \_\_\_\_\_

Batch No.: 6240 (Reset)

Analyst: JB

Matrix: Soil

Prep Date: 8/10/05

Review By: GM 8/12/05

LAB ID#	MERCURY		COMMENTS
	INITIAL	FINAL	
Method blank	25ml	25ml	
LCS	115g		
LCS D			
1. 18873-012			
DUP 18873-012			
MS 18873-011			
MSD 18873-013			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
KmnO <sub>4</sub> : V-2627			Block Temp.: 90° C
K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> :			Time In Block: 1330
NH <sub>2</sub> OH: V-4514			Time Out of Block: 1400

Spike Volume & Lot #

LCS 704 0.15g

MS V-5629 0.250 ml

Standard/Control Batch B-578

Acid	Manufacturer	Lot #:
HNO <sub>3</sub>	Baker	796
HCl	Baker	1142
H <sub>2</sub> SO <sub>4</sub>	Baker	

Relinquished By: [Signature] 8/10/05

Received By: [Signature] 8/10/05

**Wet Chemistry Data**

## Veritech Wet Chem Form 1 Summary

Lab #: AC18873-001

Lab #: AC18873-001

Sample Matrix: Soil/Encore

Sample ID: PCSB-53(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	93	Percen		1	8/4/2005

Lab #: AC18873-002

Sample Matrix: Soil/Encore

Sample ID: PCSB-53(3.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	89	Percen		1	8/4/2005

Lab #: AC18873-003

Sample Matrix: Soil/Encore

Sample ID: PCSB-53(16.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	73	Percen		1	8/4/2005

Lab #: AC18873-004

Sample Matrix: Soil/Encore

Sample ID: PCSB-32(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	74	Percen		1	8/9/2005

Lab #: AC18873-005

Sample Matrix: Soil/Encore

Sample ID: PCSB-43(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	94	Percen		1	8/4/2005

Lab #: AC18873-006

Sample Matrix: Soil/Encore

Sample ID: PCSB-43(3.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	84	Percen		1	8/4/2005

Lab #: AC18873-007

Sample Matrix: Soil/Encore

Sample ID: PCSB-43(9.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed
% Solids	72	Percen		1	8/5/2005

## Veritech Wet Chem Form 1 Summary

Lab #: AC18873-008

Lab #: AC18873-008

Sample Matrix: Soil/Encore

Sample ID: PCSB-42(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	97	Percen		1	8/4/2005	

Lab #: AC18873-009

Sample Matrix: Soil/Encore

Sample ID: PCSB-242(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	95	Percen		1	8/4/2005	

Lab #: AC18873-010

Sample Matrix: Soil/Encore

Sample ID: PCSB-42(2.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	94	Percen		1	8/4/2005	

Lab #: AC18873-011

Sample Matrix: Soil/Encore

Sample ID: PCSB-42(13')MS

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	55	Percen		1	8/10/2005	

Lab #: AC18873-012

Sample Matrix: Soil/Encore

Sample ID: PCSB-42(13')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	53	Percen		1	8/4/2005	

Lab #: AC18873-013

Sample Matrix: Soil/Encore

Sample ID: PCSB-42(13')MSD

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	50	Percen		1	8/4/2005	

Lab #: AC18873-015

Sample Matrix: Soil/Encore

Sample ID: PCSB-35(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G			Date Prepared:	
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	96	Percen		1	8/4/2005	

## Veritech Wet Chem Form 1 Summary

Lab #: AC18873-016

Lab #: AC18873-016

Sample Matrix: Soil/Encore

Sample ID: PCSB-35(2.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:		
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	77	Percen		1	8/4/2005	

Lab #: AC18873-017

Sample Matrix: Soil/Encore

Sample ID: PCSB-35(15.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:		
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	86	Percen		1	8/4/2005	

Lab #: AC18873-018

Sample Matrix: Soil/Encore

Sample ID: PCSB-52(0.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:		
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	93	Percen		1	8/4/2005	

Lab #: AC18873-019

Sample Matrix: Soil/Encore

Sample ID: PCSB-52(5.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:		
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	83	Percen		1	8/4/2005	

Lab #: AC18873-020

Sample Matrix: Soil/Encore

Sample ID: PCSB-52(15.5')

Date Received: 8/2/2005

Test Group Name:		% Solids SM2540G		Date Prepared:		
Analyte	Concentration	Units	MDL/PQL	DF	Date Analyzed	
% Solids	55	Percen		1	8/4/2005	



Analysis Type: SOLIDS  
 Batch Number: SOLIDS-3054  
 Cal Curve Date:  
 Units: Percent

1289

Calibration Curve Information



Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC18873-001	NA	NA	20	93.6937	NA	0.9	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC18873-001	DUP		94		100	93.694	1	12.1	11.4			08/04/05	dh
AC18873-001	Sample		93		100	92.857	1	12.2	11.4			08/04/05	dh
AC18873-002	Sample		89		100	88.596	1	12.4	11.1			08/04/05	dh
AC18873-003	Sample		73		100	73.451	1	12.3	9.3			08/04/05	dh
AC18873-005	Sample		94		100	93.75	1	12.2	11.5			08/04/05	dh
AC18873-006	Sample		84		100	83.761	1	12.7	10.8			08/04/05	dh
AC18873-008	Sample		97		100	96.552	1	12.6	12.2			08/04/05	dh
AC18873-009	Sample		95		100	94.958	1	12.9	12.3			08/04/05	dh
AC18873-010	Sample		94		100	93.966	1	12.6	11.9			08/04/05	dh
AC18873-012	Sample		53		100	52.727	1	12.0	6.8			08/04/05	dh
AC18873-013	Sample		50		100	50	1	12.4	6.7			08/04/05	dh
AC18873-015	Sample		96		100	95.536	1	12.2	11.7			08/04/05	dh
AC18873-016	Sample		77		100	77.193	1	12.4	9.8			08/04/05	dh
AC18873-017	Sample		86		100	86.441	1	12.8	11.2			08/04/05	dh
AC18873-018	Sample		93		100	92.793	1	12.1	11.3			08/04/05	dh
AC18873-019	Sample		83		100	82.759	1	12.6	10.6			08/04/05	dh
AC18873-020	Sample		55		100	55.263	1	12.4	7.3			08/04/05	dh
AC18873-007	Sample		72		100	71.795	1	12.7	9.4			08/05/05	dh
AC18917-001	Sample		92		100	91.525	1	12.8	11.8			08/05/05	dh

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL)  
 Na - Not Applicable

Rp - RPD failed specified criteria.  
 Nc - Not Checked ..either one or both values =ND

Analysis Type: SOLIDS  
 Batch Number: SOLIDS-3074  
 Cal Curve Date:  
 Units: Percent

1298

Calibration Curve Information

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Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUIP	AC18971-001	NA	NA	20	77.19299	NA	2	

Sam #	Type	MB	Result	Per Mdl	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC18971-001	DUP		77	100	77.193	1	12.4	9.8			08/09/05	bct
AC18971-001	Sample		76	100	75.652	1	12.5	9.7			08/09/05	bct
AC18971-002	Sample		70	100	69.565	1	12.5	9.0			08/09/05	bct
C18971-003	Sample		72	100	72.321	1	12.2	9.1			08/09/05	bct
C18971-004	Sample		78	100	78.151	1	12.9	10.3			08/09/05	bct
AC18971-005	Sample		81	100	80.672	1	12.9	10.6			08/09/05	bct
AC18971-006	Sample		70	100	70.435	1	12.5	9.1			08/09/05	bct
AC18971-007	Sample		85	100	85.47	1	12.7	11.0			08/09/05	bct
C18971-009	Sample		86	100	85.714	1	12.2	10.6			08/09/05	bct
C18971-010	Sample		81	100	80.531	1	12.3	10.1			08/09/05	bct
AC18971-011	Sample		88	100	88.393	1	12.2	10.9			08/09/05	bct
AC18971-012	Sample		65	100	65.217	1	12.5	8.5			08/09/05	bct
C18971-013	Sample		88	100	87.611	1	12.3	10.9			08/09/05	bct
C18971-014	Sample		83	100	82.727	1	12.0	10.1			08/09/05	bct
C18971-015	Sample		85	100	84.746	1	12.8	11.0			08/09/05	bct
AC18977-001	Sample		93	100	92.793	1	12.1	11.3			08/08/05	dh
AC18977-002	Sample		91	100	90.991	1	12.1	11.1			08/08/05	dh
AC18977-003	Sample		94	100	94.068	1	12.8	12.1			08/08/05	dh
C18977-004	Sample		91	100	90.756	1	12.9	11.8			08/08/05	dh
C18977-005	Sample		92	100	92.035	1	12.3	11.4			08/08/05	dh
AC18873-004	Sample		74	100	74.359	1	8.8	6.8			08/09/05	dh

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL)

Rp - RPD failed specified criteria.

Na - Not Applicable

Nc - Not Checked ..either one or both values =ND

Analysis Type: SOLIDS  
 Batch Number: SOLIDS-3077  
 Cal Curve Date:  
 Units: Percent

1291

Calibration Curve Information

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Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC18992-001	NA	NA	20	89.56522	NA	0.65	

Sam #	Type	MB	Result	Mdl	Per Sol	Raw Result	Tare Wt	Tare Wet	Tare Dry	Prep Date	Prep By	Anal Date	Anal By
AC18992-001	DUP		90		100	89.565	1	12.5	11.3			08/10/05	dh
AC18992-001	Sample		89		100	88.983	1	12.8	11.5			08/10/05	dh
AC18992-002	Sample		89		100	88.696	1	12.5	11.2			08/10/05	dh
AC18992-003	Sample		89		100	88.889	1	12.7	11.4			08/10/05	dh
AC18992-004	Sample		84		100	84.211	1	12.4	10.6			08/10/05	dh
AC18992-005	Sample		89		100	89.286	1	12.2	11.0			08/10/05	dh
AC18992-006	Sample		85		100	85.088	1	12.4	10.7			08/10/05	dh
AC18998-001	Sample		91		100	91.228	1	12.4	11.4			08/10/05	dh
AC18998-002	Sample		90		100	89.831	1	12.8	11.6			08/10/05	dh
AC18999-001	Sample		96		100	95.536	1	12.2	11.7			08/10/05	dh
AC18999-002	Sample		95		100	94.737	1	12.4	11.8			08/10/05	dh
AC18999-003	Sample		93		100	93.162	1	12.7	11.9			08/10/05	dh
AC18999-004	Sample		88		100	87.611	1	12.3	10.9			08/10/05	dh
AC18873-011	Sample		55		100	55.172	1	12.6	7.4			08/10/05	dh
AC19007-001	Sample		96		100	96.46	1	12.3	11.9			08/11/05	dh
AC19023-001	Sample		95		100	94.915	1	12.8	12.2			08/11/05	dh
AC19023-002	Sample		96		100	95.763	1	12.8	12.3			08/11/05	dh
AC19023-003	Sample		96		100	95.652	1	12.5	12.0			08/11/05	dh
AC19023-004	Sample		95		100	95.495	1	12.1	11.6			08/11/05	dh
AC19023-005	Sample		59		100	59.483	1	12.6	7.9			08/11/05	dh
AC19023-006	Sample		86		100	86.441	1	12.8	11.2			08/11/05	dh

Flag Codes: Ra - Recovery failed specified criteria (PVS/MBS/MS/MSD/ICV/CAL)  
 Na - Not Applicable

Rp - RPD failed specified criteria.  
 Nc - Not Checked ..either one or both values =ND

% SOLIDS DATA SHEET

Batch No. 3054

Lab Sample No.	Tare Wt. (g)	Wet Wt. + Tare (g)	Dry Wt. + Tare (g)	Analysis Date	Time in	Time out	Analyst Initials
Dup 18873-1	1.0	12.1	11.4	8/4/05	12:55	16:25	DA
1		12.2	11.4	↓	↓	↓	
2		12.4	11.1	↓	↓	↓	
3		12.3	9.3	↓	↓	↓	
4							
5		12.2	11.5	8/4/05	12:55	16:25	
6		12.7	10.8	↓	↓	↓	
7		12.7	9.4	8/5/05	10:35	15:45	
8		12.6	12.2	8/4/05	12:55	16:25	
9		12.9	12.3				
10		12.6	11.9				
<del>11</del>		<del>12.9</del>	<del>10.9</del>	<del>8/7/05</del>			
12		12.0	6.8				
13		12.4	6.7				
14		12.2	11.7				
15		12.4	9.8				
16		12.8	11.2				
17		12.1	11.3				
18		12.6	10.6				
19		12.4	7.3				
20 18917-1	✓	12.8	11.9	✓	15:38	8/5/05 9:40 DA 8/5/05	✓

Analyst Dave Homa

Analyst \_\_\_\_\_

Analyst \_\_\_\_\_

Analyst \_\_\_\_\_

Reviewed By [Signature]

Date Reviewed 8/6/05

000038

% SOLIDS DATA SHEET

Batch No. 3074

Lab Sample No.	Tare Wt. (g)	Wet Wt. + Tare (g)	Dry Wt. + Tare (g)	Analysis Date	Time in	Time out	Analyst Initials
Dup 18971-1	1.0	12.4	9.8	8/8/05	8:25	13:00	BT
1. 1		12.5	9.7				
2. 2		12.5	9.0				
3. 3		12.2	9.1				
4. 4		12.9	10.3				
5. 5		12.9	10.6				
6. 6		12.5	9.1				
7. 7		12.7	11.0				
8. 9		12.2	10.6				
9. 10		12.3	10.1				
10. 11		12.2	10.9				
11. 12		12.5	8.5				
12. 13		12.3	10.9				
13. 14		12.0	10.1				
14. 15	↓	12.8	11.0				
15. 18977-1	1.0	12.1	11.3	8/8/05	19:10	8/9/05 7:05	BT
16. 2	↓	12.1	12.11.1				
17. 3	↓	12.8	12.1				
18. 4	↓	12.9	11.8				
19. 5	↓	12.3	11.4				
20. 873.4 18929-1	1.0	12.588	6.8	8/9/05	14:00 9:35	8/10/05 7:00	BT

Analyst Debra Noma  
 Analyst Beena Jives  
 Analyst \_\_\_\_\_  
 Analyst \_\_\_\_\_  
 Reviewed By [Signature]

Date Reviewed 8/10/05

% SOLIDS DATA SHEET

Batch No. 3077

Lab Sample No.	Tare Wt. (g)	Wet Wt. + Tare (g)	Dry Wt. + Tare (g)	Analysis Date	Time in	Time out	Analyst Initials
Dup 18992-1	1.0	12.5	11.3	8/10/05	10:45	14:40	AH
1		12.8	11.5				
2		12.5	11.2				
3		12.7	11.4				
4		12.4	10.6				
5		12.2	11.0				
6		12.4	10.7				
7 18998-1		12.4	11.4				
8		12.8	11.6				
9 18999-1		12.2	11.7				
10		12.4	11.8				
11		12.7	11.9				
12		12.3	10.9				
13 18873-11	1.0	12.6	7.4	8/10/05	15:55	8/11/05 9:20	AH
14 19007-1	1.0	12.3	11.9	8/11/05	7:50	11:30	BJ
15 19023-1	1.0	12.8	12.2		11:35	14:50	AH
16		12.8	12.3				
17		12.5	12.0				
18		12.1	11.6				
19		12.6	7.9				
20		12.8	11.2				

Analyst Dave Horna  
 Analyst Beena Teivedi  
 Analyst \_\_\_\_\_  
 Analyst \_\_\_\_\_  
 Reviewed By Aghmal

Date Reviewed 8/11/05