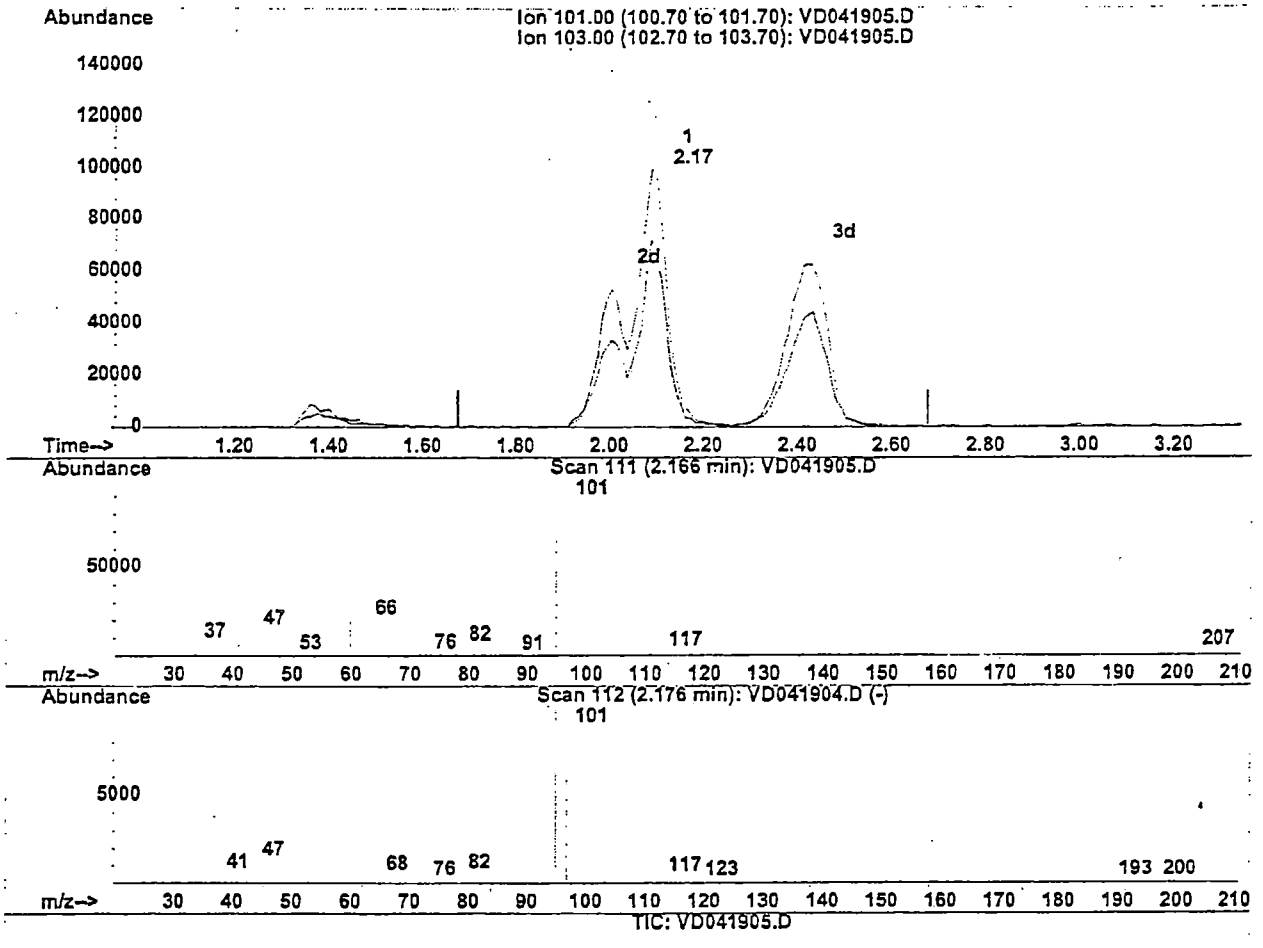
Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041905.D Vial: 5
Acq On : 19 Apr 2004 5:20 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:27 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(7) Trichlorofluoromethane (T)

2.17min 16.74ug/l m

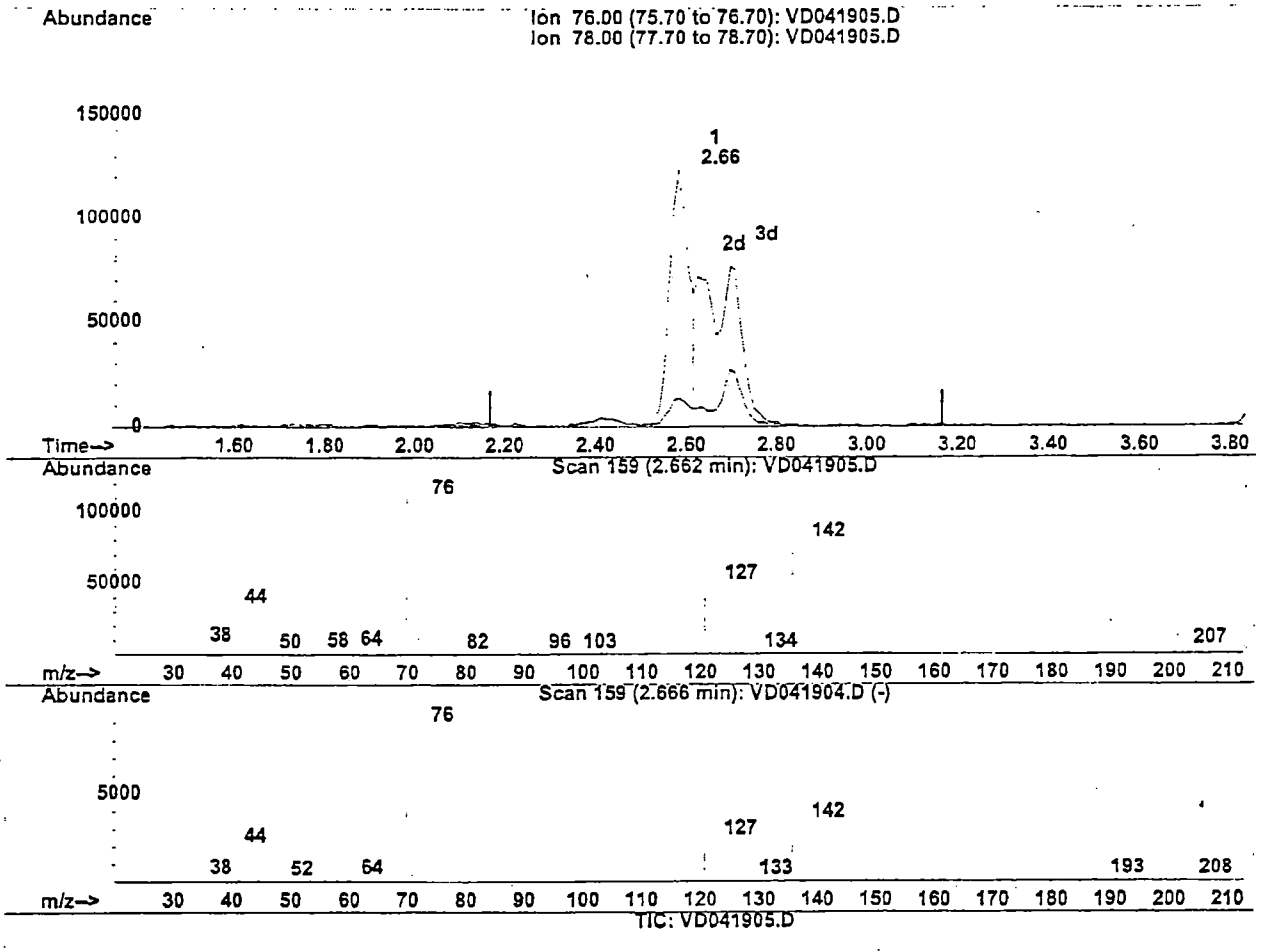
response 619702

Ion	Exp%	Act%
101.00	100	100
103.00	67.80	72.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041905.D Vial: 5
Acq On : 19 Apr 2004 5:20 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:27 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(16) Carbon Disulfide (T)

2.66min 10.33ug/l

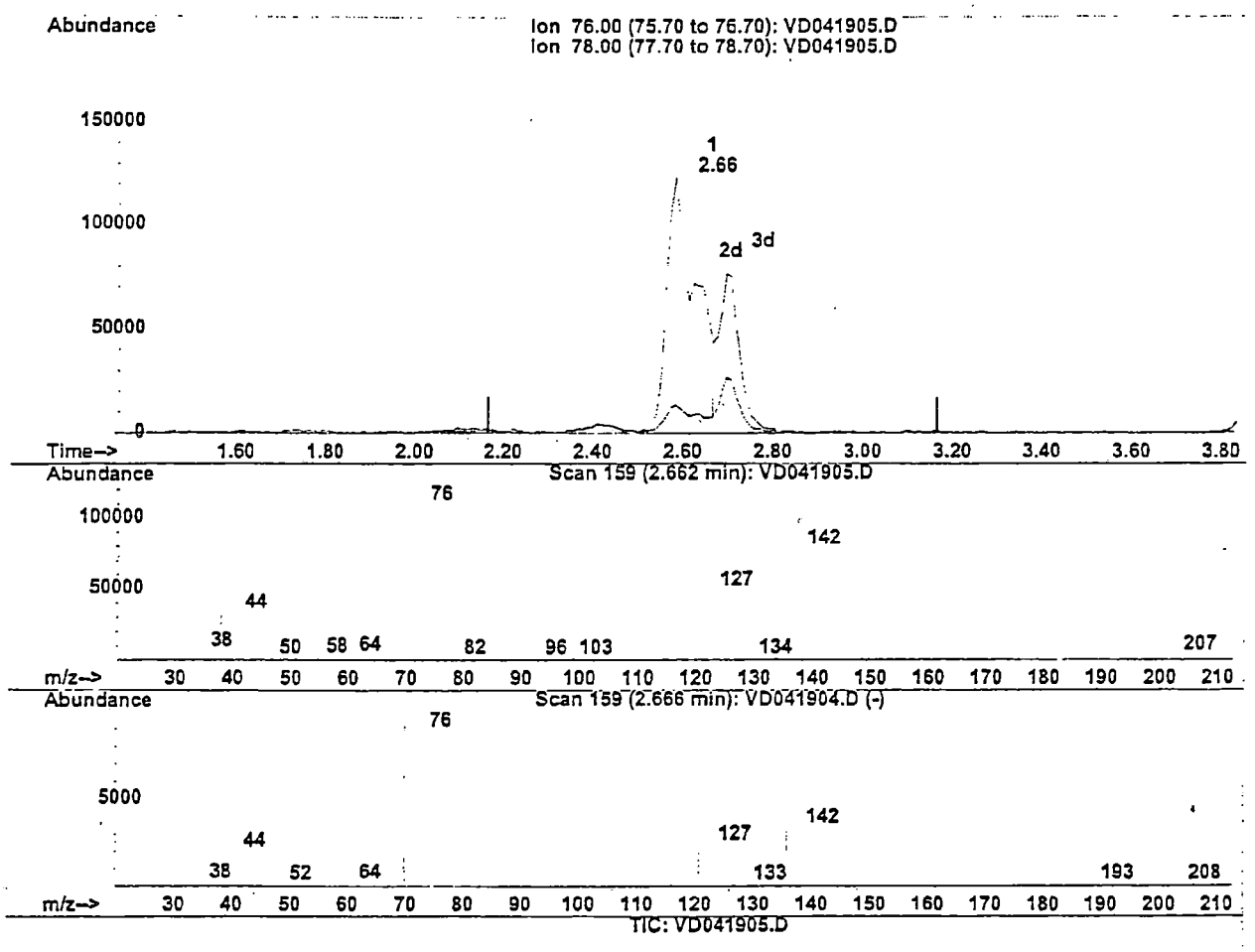
response 360824

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	9.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041905.D Vial: 5
Acq On : 19 Apr 2004 5:20 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:27 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(16) Carbon Disulfide (T)

2.66min 15.89ug/l m

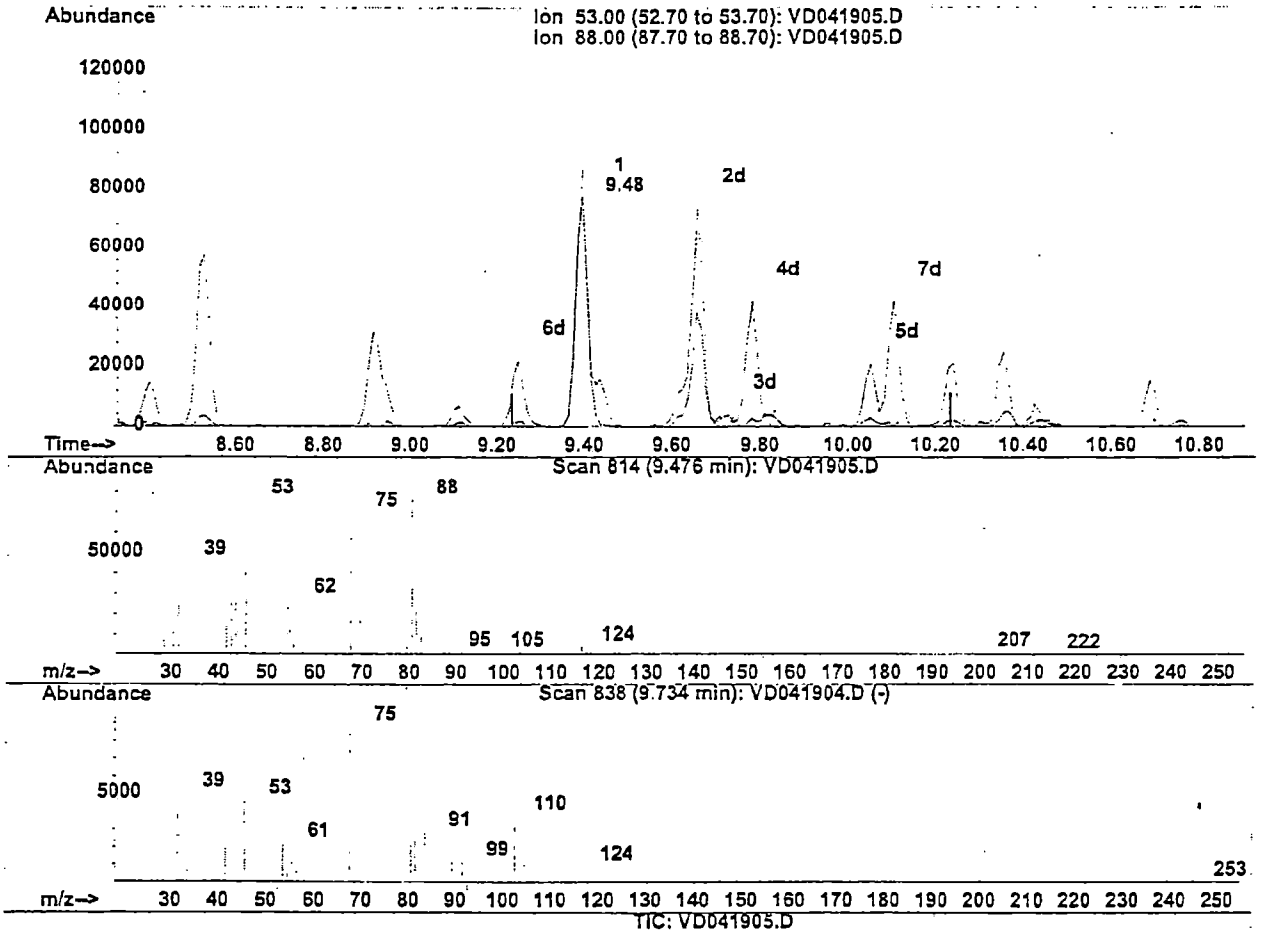
response 555329

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	10.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041905.D Vial: 5
Acq On : 19 Apr 2004 5:20 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:27 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.48min 17.97ug/l

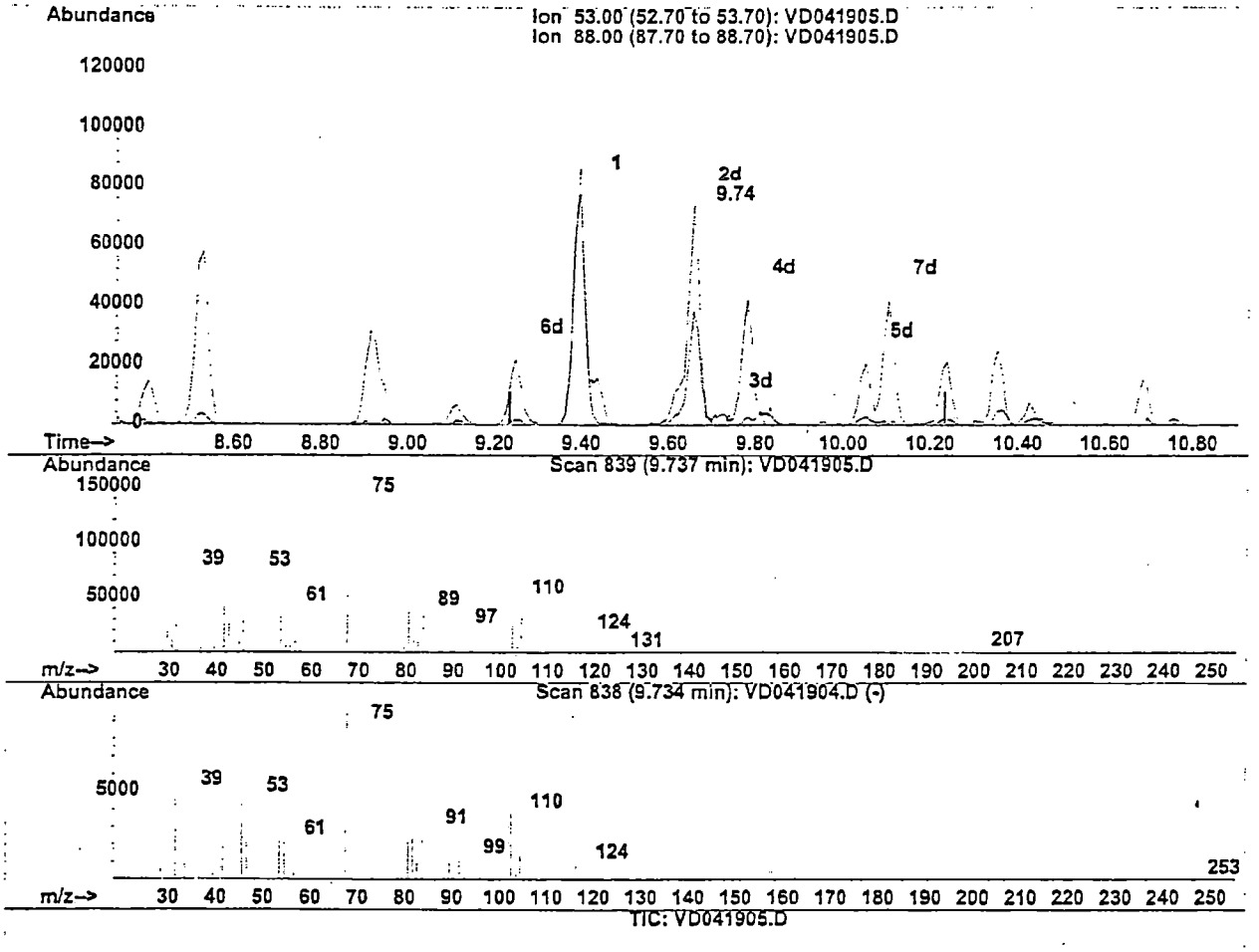
response 147084

Ion	Exp%	Act%
53.00	100	100
88.00	111.20	119.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041905.D Vial: 5
Acq On : 19 Apr 2004 5:20 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:27 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.74min 18.58ug/l m

response 152036

Ion	Exp%	Act%
53.00	100	100
88.00	111.20	116.08
0.00	0.00	0.00
0.00	0.00	0.00

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIC
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 20 10:29 2004 Quant Results File: SAD0419W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:18:01 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.43	168	423917	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.14	114	710970	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.38	117	631359	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.52	152	330126	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.75	65	1005646	33.19 ug/l	0.00
32) Dibromofluoromethane	4.41	113	924326	33.08 ug/l	0.00
43) Toluene-d8	6.74	98	2873740	34.37 ug/l	0.00
56) 4-Bromofluorobenzene	9.52	95	1198322	33.24 ug/l	0.00
Target Compounds					Qvalue
2) Dichlorodifluorometh	1.44	85	879771	31.74 ug/l	95
3) Chloromethane	1.60	50	850737	30.34 ug/l	98
4) Vinyl Chloride	1.69	62	807541	32.79 ug/l	99
5) Bromomethane	1.92	94	431859	27.66 ug/l	92
6) Chloroethane	1.94	64	471160	27.18 ug/l	95
7) Trichlorofluorometha	2.16	101	1142042m	29.12 ug/l	
8) 1,1,2-Trichlorotrifl	2.49	101	703077	28.40 ug/l	99
10) Tert butyl alcohol	3.00	59	190454	120.72 ug/l	100
11) 1,1-Dichloroethene	2.48	96	545281	28.26 ug/l	92
12) Iodomethane	2.63	142	938784	29.24 ug/l	97
13) Acrolein	4.48	56	1854985	161.03 ug/l	98
14) Acrylonitrile	3.15	53	700472	144.34 ug/l	97
15) Acetone	2.57	43	566520	128.41 ug/l	91
16) Carbon Disulfide	2.65	76	1074554m	29.02 ug/l	
17) Methyl Acetate	2.78	43	474711	27.61 ug/l	92
18) Methyl tert-butyl Et	3.06	73	1749533	29.62 ug/l	98
19) Methylene Chloride	2.90	84	667308	29.43 ug/l	95
20) trans-1,2-Dichloroet	3.07	96	633936	28.25 ug/l	98
21) Vinyl Acetate	3.46	43	5646696	136.42 ug/l	99
22) 1,1-Dichloroethane	3.45	63	1439399	29.64 ug/l	98
23) 2-Butanone	3.99	43	1629874	151.82 ug/l	100
24) 2,2-Dichloropropane	3.95	77	1334639	32.20 ug/l	100
25) cis-1,2-Dichloroethe	3.96	96	887948	32.15 ug/l	99
26) Bromochloromethane	4.19	49	804024	28.50 ug/l #	83

Analyst Signature: BD Analyst Name: _____ Date: 04/20/04

REASONS FOR MANUAL INTEGRATIONS

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 7, 16
___ Peak integrated by software incorrectly. Compound #: _____
___ OTHER: _____ Compound #: _____

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

VD041906.D SAD0419W.M Tue Apr 20 11:14:15 2004 MSVOAPRO3

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 20 10:29 2004 Quant Results File: SAD0419W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:18:01 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) Chloroform	4.25	83	1611045	32.19 ug/l	97
28) Cyclohexane	4.38	56	1444785	31.04 ug/l	95
29) 1,1,1-Trichloroethan	4.39	97	1471410	34.21 ug/l #	92
33) 1,1-Dichloropropene	4.52	75	1142645	33.28 ug/l	100
34) Carbon Tetrachloride	4.51	117	1296057	32.65 ug/l	98
35) Methylcyclohexane	5.51	83	1345737	31.95 ug/l	98
36) Benzene	4.72	78	2911124	32.08 ug/l	100
37) 1,2-Dichloroethane	4.82	62	1077399	32.05 ug/l	97
38) Trichloroethene	5.38	130	889318	33.27 ug/l	95
39) 1,2-Dichloropropane	5.67	63	869789	32.65 ug/l	99
40) Dibromomethane	5.81	93	458797	33.42 ug/l	98
41) 1,4-Dioxane	5.80	88	68066	493.49 ug/l	93
42) Bromodichloromethane	5.98	83	1216582	32.74 ug/l	99
44) 4-Methyl-2-Pentanone	6.66	43	2697836	155.35 ug/l	97
45) t-1,4-Dichloro-2-but	9.74	53	298481m	32.37 ug/l	
46) Toluene	6.81	92	2000391	32.41 ug/l	98
47) t-1,3-Dichloropropen	7.18	75	1071780	33.74 ug/l	99
48) cis-1,3-Dichloroprop	6.49	75	1269232	33.22 ug/l	100
49) Ethyl Methacrylate	7.22	69	861045	34.04 ug/l	94
50) 1,1,2-Trichloroethan	7.39	97	568516	31.37 ug/l	96
51) 1,3-Dichloropropane	7.58	76	1045806	32.37 ug/l	99
52) 2-Chloroethyl vinyl	6.32	63	1825036	158.29 ug/l	95
53) 2-Hexanone	7.65	43	1903909	161.17 ug/l	96
54) Dibromochloromethane	7.80	129	763700	33.55 ug/l	99
55) 1,2-Dibromoethane	7.93	107	578832	33.14 ug/l	98
58) Tetrachloroethene	7.42	164	909827	37.30 ug/l	94
59) Chlorobenzene	8.41	112	2129830	30.99 ug/l	96
60) 1,1,1,2-Tetrachloroe	8.51	131	890375	32.91 ug/l	99
61) Ethyl Benzene	8.49	106	1197902	32.02 ug/l	100
62) m&p-Xylenes	8.61	106	2677577	60.85 ug/l	99
63) o-Xylene	9.00	106	1479356	32.65 ug/l	95
64) Styrene	9.03	104	2397474	32.26 ug/l	98
65) Bromoform	9.23	173	453413	35.00 ug/l #	96
67) Isopropylbenzene	9.33	105	3651506	31.66 ug/l	100
68) 1,1,2,2-Tetrachloroe	9.69	83	685518	31.10 ug/l	98
69) 1,2,3-Trichloropropa	9.73	75	782725	31.90 ug/l #	100

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
✓Peak integrated by software incorrectly.Compound #: 45
___OTHER:_____Compound #:_____

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

VD041906.D SAD0419W.M Tue Apr 20 11:14:17 2004 MSVOAPRO3

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 20 10:29 2004 Quant Results File: SAD0419W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:18:01 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
70) Bromobenzene	9.64	156	920401	31.62 ug/l	99
71) n-propylbenzene	9.71	91	4406293	31.91 ug/l	100
72) 2-Chlorotoluene	9.81	91	2893926	32.12 ug/l	100
73) 1,3,5-Trimethylbenze	9.86	105	3185844	31.95 ug/l	99
74) 4-Chlorotoluene	9.91	91	3383172	31.77 ug/l	99
75) tert-Butylbenzene	10.13	119	2778841	33.23 ug/l	98
76) 1,2,4-Trimethylbenze	10.19	105	3192247	31.24 ug/l	98
77) sec-Butylbenzene	10.32	105	3937607	31.43 ug/l	99
78) 4-Isopropyltoluene	10.43	119	3199785	31.19 ug/l	99
79) 1,3-Dichlorobenzene	10.46	146	1682620	30.24 ug/l	99
80) 1,4-Dichlorobenzene	10.54	146	1821753	32.02 ug/l	99
81) n-Butylbenzene	10.78	91	3189133	30.91 ug/l	99
82) 1,2-Dichlorobenzene	10.84	146	1591531	31.37 ug/l	99
83) 1,2-Dibromo-3-Chloro	11.48	75	143915	34.79 ug/l	97
84) 1,2,4-Trichlorobenze	12.07	180	1123542	31.55 ug/l	96
85) Hexachlorobutadiene	12.15	225	551088	31.23 ug/l	100
86) Naphthalene	12.28	128	1775749	31.92 ug/l	100
87) 1,2,3-Trichlorobenze	12.48	180	936980	30.69 ug/l	98

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

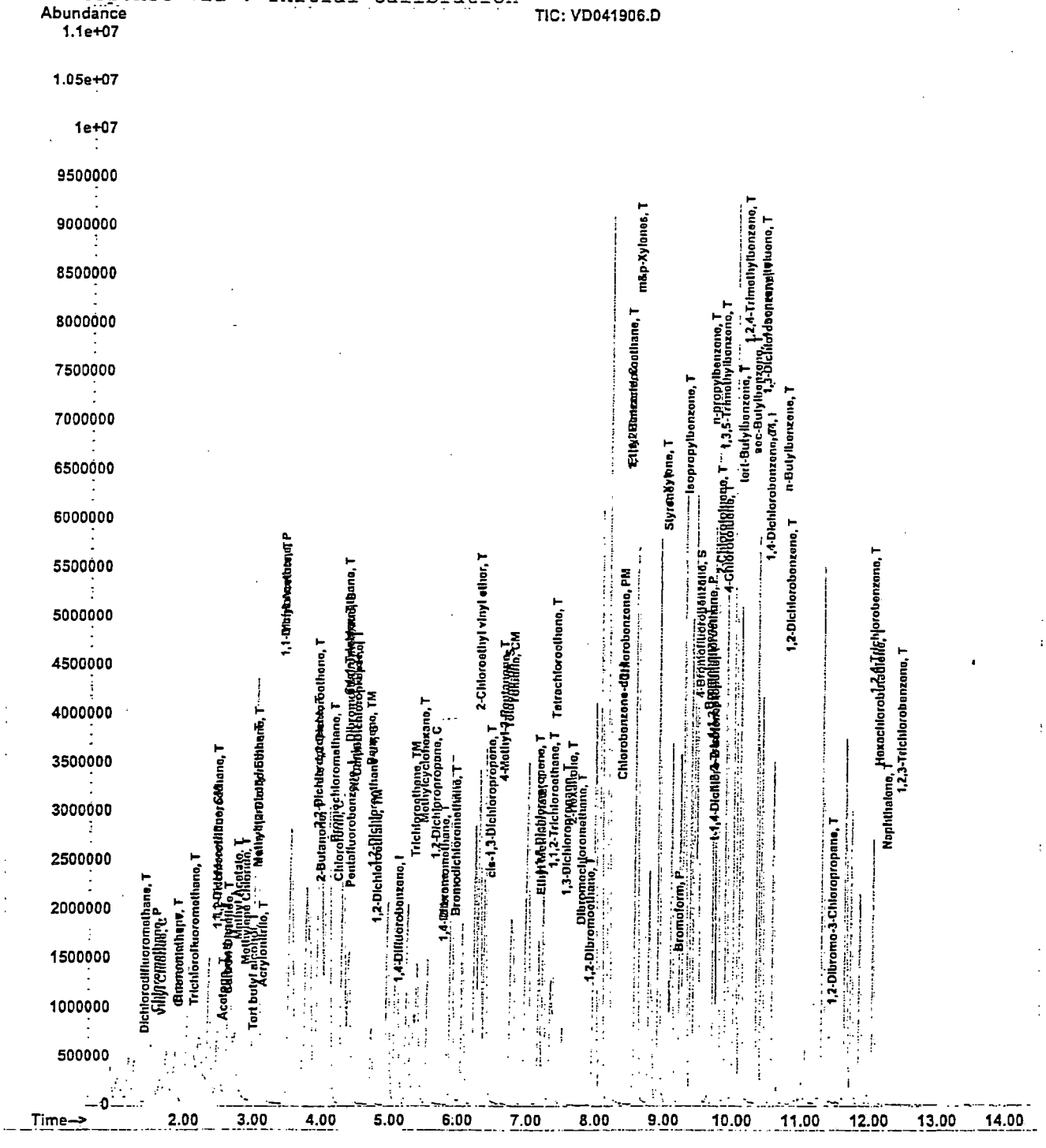
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 20 10:29 2004 Quant Results File: SAD0419W.RES

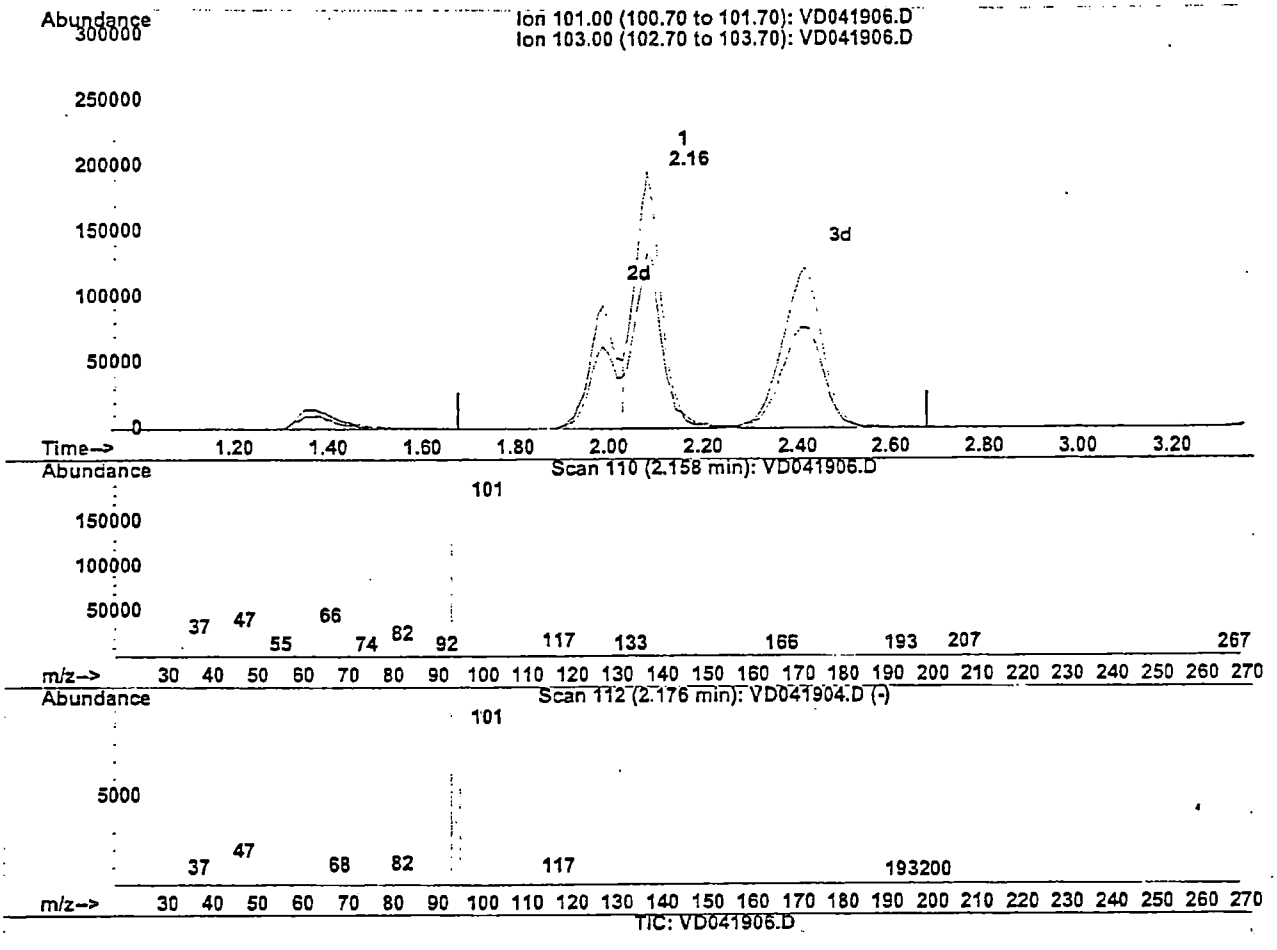
Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:51:48 2004
Response via : Initial Calibration



Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:28 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(7) Trichlorofluoromethane (T)

2.16min 19.52ug/l

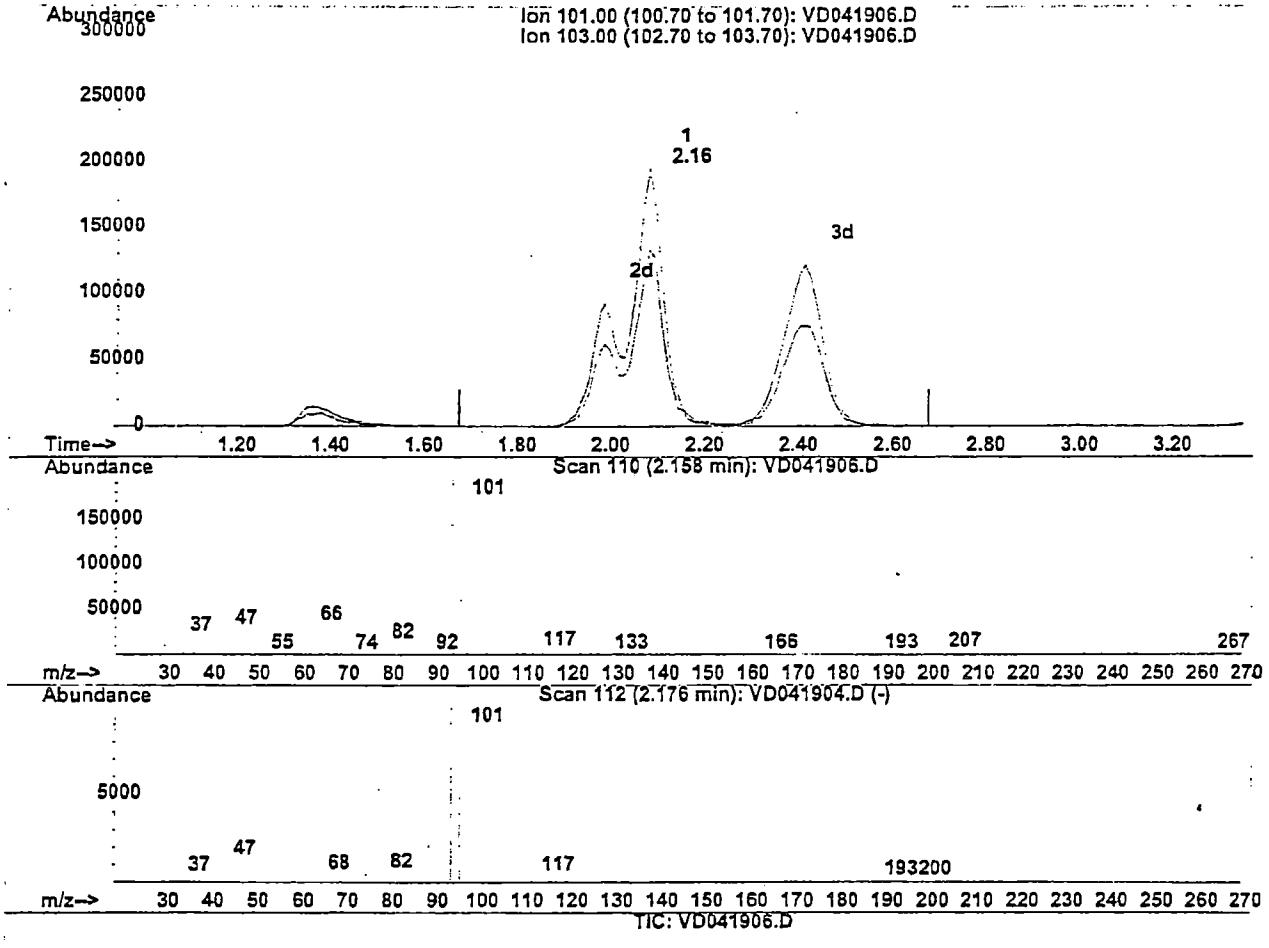
response 765677

Ion	Exp%	Act%
101.00	100	100
103.00	67.80	67.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:28 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(7) Trichlorofluoromethane (T)

2.16min 29.12ug/l m

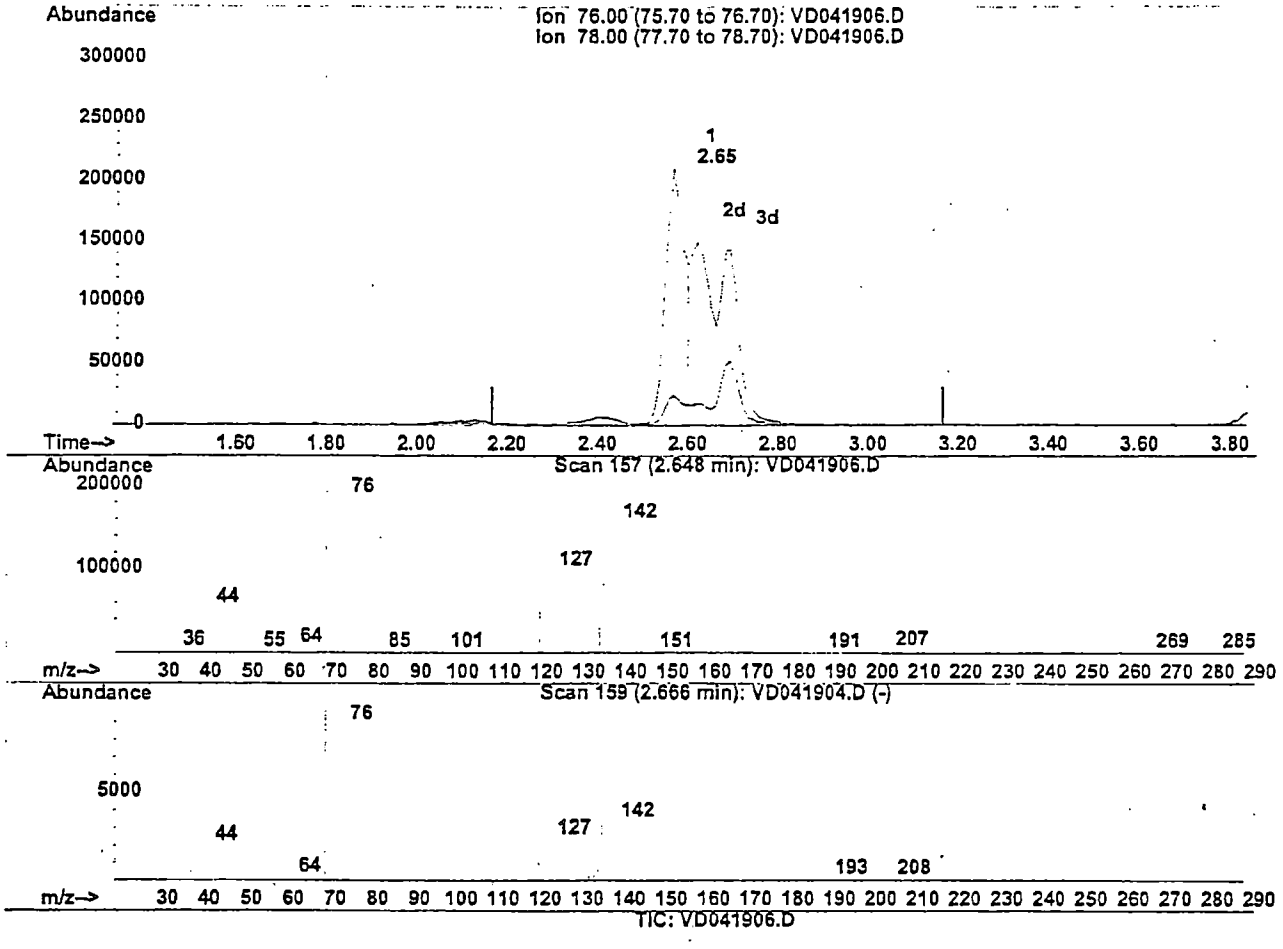
response 1142042

Ion	Exp%	Act%
101.00	100	100
103.00	67.80	68.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:28 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(16) Carbon Disulfide (T)

2.65min 16.79ug/l

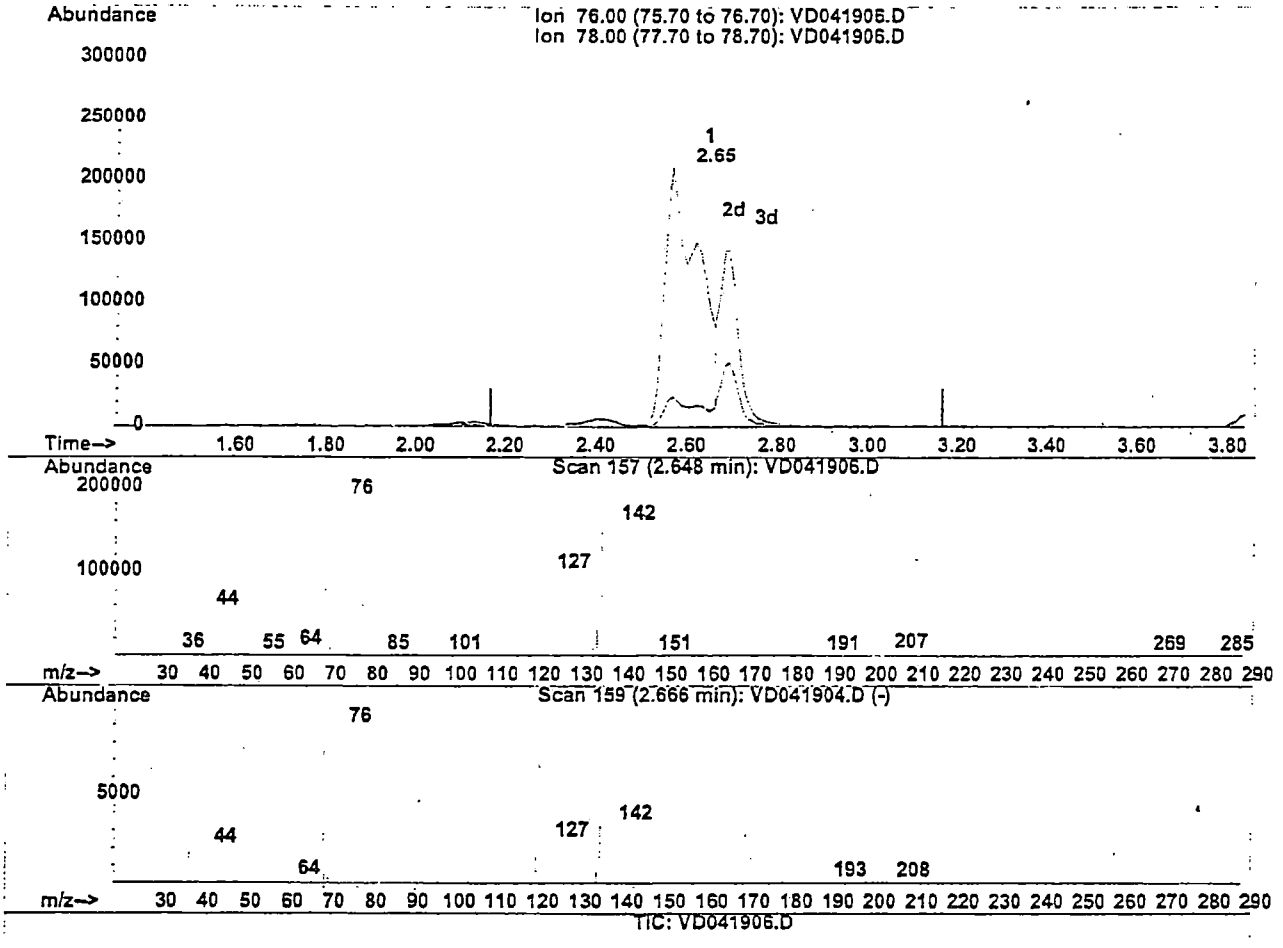
response 621591

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	10.97
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:29 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(16) Carbon Disulfide (T)

2.65min 29.02ug/l m

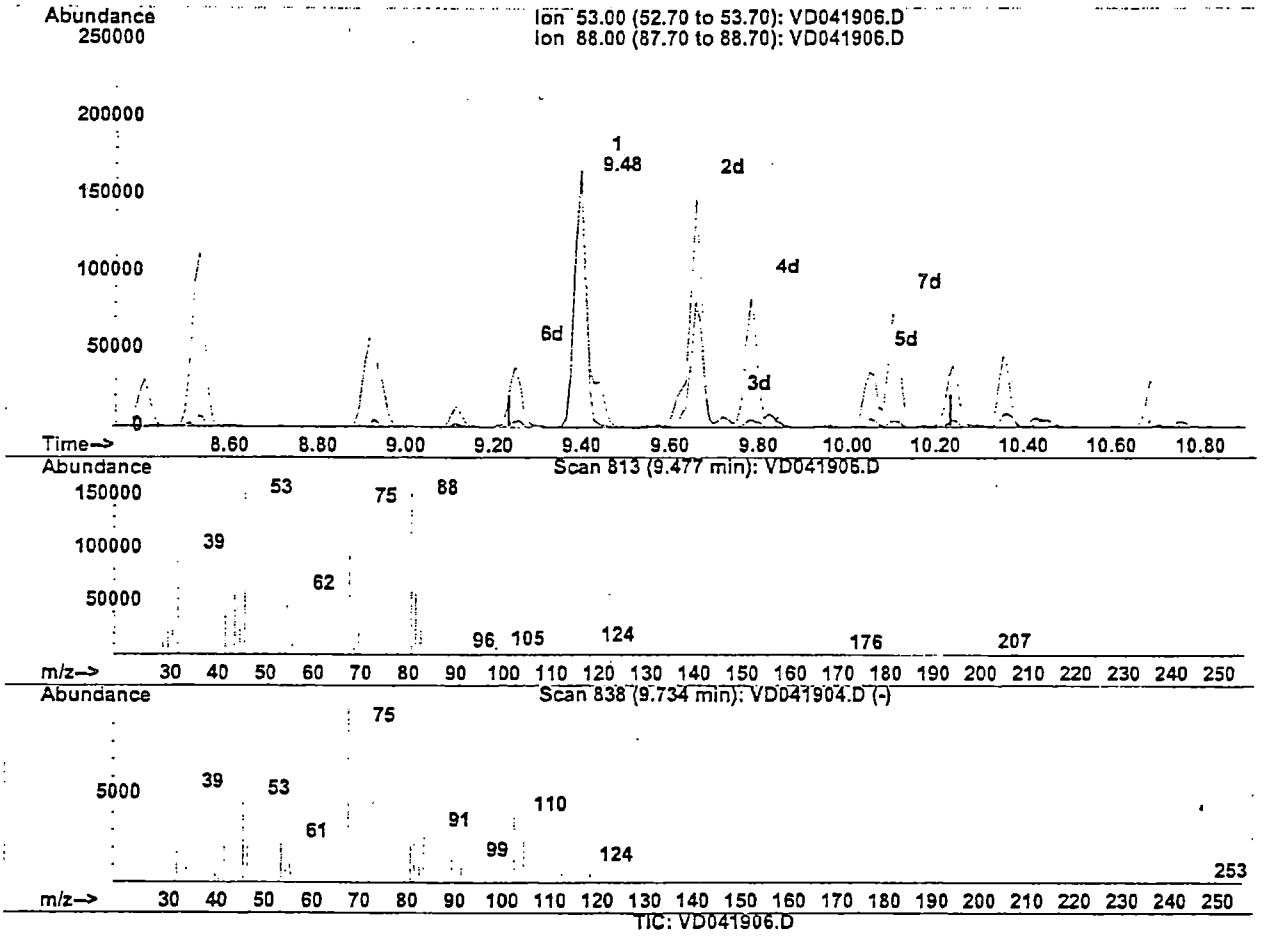
response 1074554

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	11.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: BRIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:29 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.48min 31.28ug/l

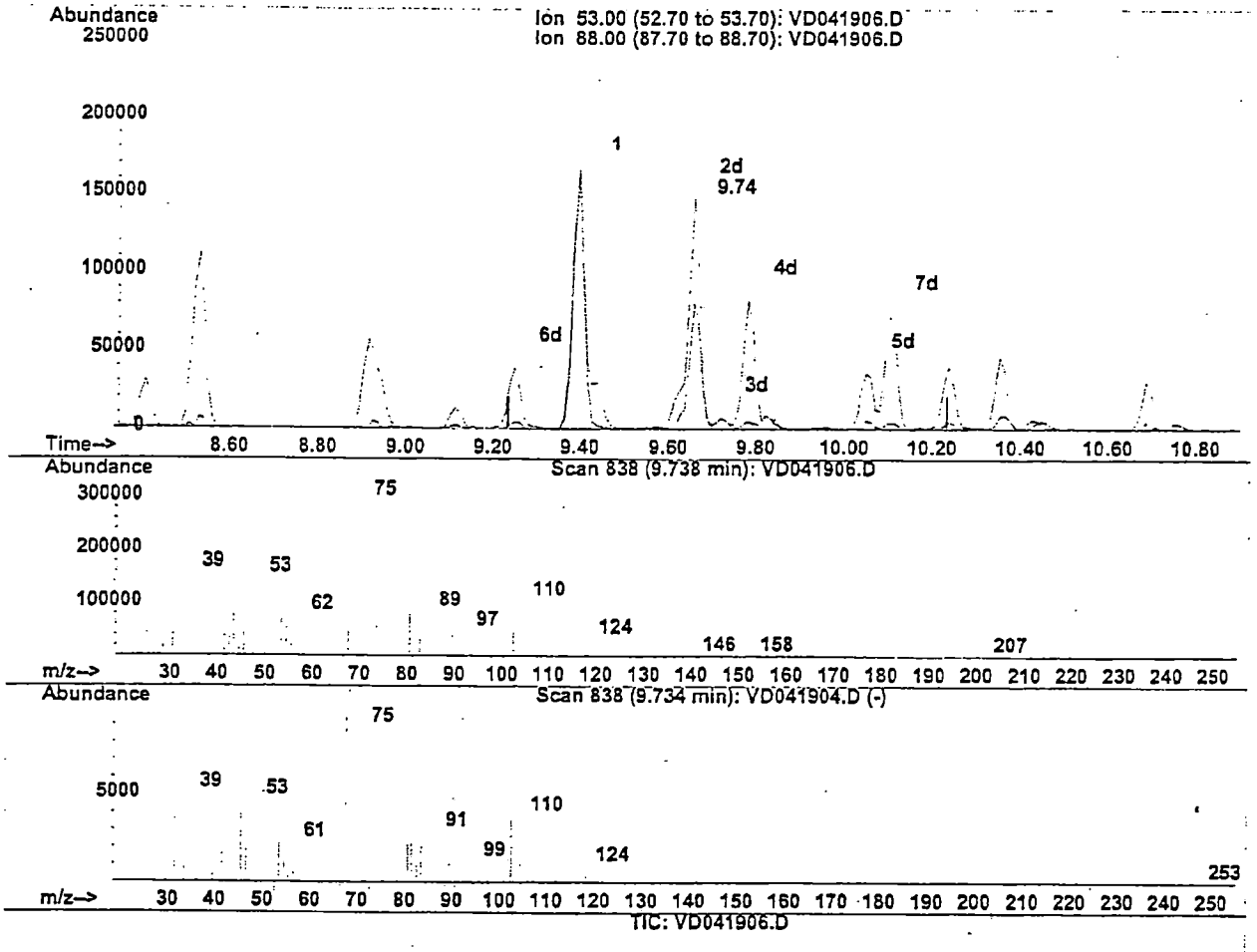
response 288429

Ion	Exp%	Act%
53.00	100	100
88.00	111.20	124.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041904\VD041906.D Vial: 6
Acq On : 19 Apr 2004 6:01 pm Operator: ERIJ
Sample : 35 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 20 10:29 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Tue Apr 20 10:08:31 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.74min 32.37ug/l m

response 298481

Ion	Exp%	Act%
53.00	100	100
88.00	111.20	119.82
0.00	0.00	0.00
0.00	0.00	0.00

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Consulting Group Contract: FOST01

Lab Code: CTECH Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID: MSVOAD Calibration Date(s): 4/26/2004 4/26/2004

Heated Purge: (Y/N) N Calibration Time(s): 12:44 16:10

GC Column: RTX502.2 ID: 0.18 (mm)

LAB FILE ID:

RRF001 = VD042602.D RRF004 = VD042603.D

RRF010 = VD042604.D RRF020 = VD042605.D RRF040 = VD042607.D

COMPOUND		RRF001	RRF004	RRF010	RRF020	RRF040	$\overline{RRF}$	% RSD	
Chloromethane	*	0.572	0.580	0.467	0.424	0.439	0.496	15.0	*
Vinyl Chloride	*	0.553	0.595	0.502	0.441	0.443	0.507	13.4	*
Bromomethane		0.434	0.437	0.351	0.300	0.180	0.340	31.4	
Chloroethane		0.412	0.405	0.348	0.283	0.253	0.340	20.9	
1,1-Dichloroethene	*	0.472	0.451	0.424	0.384	0.361	0.418	11.0	*
Acetone		0.112	0.096	0.077	0.068	0.063	0.083	24.6	
Carbon Disulfide		0.742	0.792	0.770	0.700	0.659	0.733	7.3	
Methylene Chloride		0.604	0.528	0.476	0.419	0.388	0.483	17.9	
trans-1,2-Dichloroethen		0.534	0.491	0.457	0.417	0.392	0.458	12.4	
1,1-Dichloroethane	*	0.849	0.946	0.879	0.793	0.754	0.844	8.9	*
2-Butanone		0.190	0.194	0.181	0.166	0.169	0.180	6.9	
Carbon Tetrachloride	*	0.403	0.428	0.437	0.432	0.416	0.423	3.2	*
cis-1,2-Dichloroethene		0.541	0.570	0.546	0.502	0.512	0.534	5.1	
Chloroform	*	0.911	0.975	0.932	0.858	0.862	0.908	5.4	*
1,1,1-Trichloroethane	*	0.683	0.759	0.716	0.659	0.664	0.696	6.0	*
Benzene	*	1.126	1.193	1.164	1.032	0.992	1.101	7.8	*
1,2-Dichloroethane	*	0.359	0.420	0.398	0.353	0.349	0.376	8.4	*
Trichloroethene	*	0.363	0.389	0.388	0.346	0.323	0.362	7.8	*
1,2-Dichloropropane	*	0.317	0.339	0.323	0.285	0.282	0.309	8.0	*
Bromodichloromethane	*	0.325	0.406	0.431	0.382	0.402	0.389	10.3	*
4-Methyl-2-Pentanone		0.162	0.192	0.189	0.165	0.167	0.175	8.2	
Toluene	*	0.712	0.807	0.794	0.743	0.727	0.757	5.5	*
t-1,3-Dichloropropene	*	0.277	0.352	0.372	0.350	0.360	0.342	11.0	*
cis-1,3-Dichloropropene	*	0.362	0.434	0.441	0.421	0.431	0.418	7.7	*
1,1,2-Trichloroethane	*	0.212	0.243	0.226	0.208	0.200	0.218	7.8	*
2-Hexanone		0.101	0.129	0.130	0.118	0.120	0.120	9.7	
Dibromochloromethane	*	0.184	0.224	0.243	0.237	0.244	0.226	11.1	*
Tetrachloroethene	*	0.389	0.402	0.505	0.485	0.346	0.425	15.8	*
Chlorobenzene	*	0.987	1.038	1.073	0.931	0.886	0.983	7.8	*
Ethyl Benzene	*	0.481	0.545	0.580	0.516	0.506	0.526	7.2	*
m&p-Xylenes		0.613	0.666	0.698	0.599	0.559	0.627	8.8	
o-Xylene	*	0.551	0.651	0.699	0.606	0.586	0.619	9.3	*
Styrene	*	0.895	1.044	1.114	0.991	0.962	1.001	8.3	*
Bromoform	*	0.074	0.104	0.132	0.132	0.150	0.118	25.2	*
1,1,2,2-Tetrachloroetha	*	0.554	0.560	0.585	0.510	0.505	0.543	6.3	*
1,2-Dichloroethane-d4		0.475	0.500	0.517	0.488	0.463	0.489	4.3	
Dibromofluoromethane		0.353	0.351	0.360	0.335	0.326	0.345	4.1	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Consulting Group Contract: FOST01

Lab Code: CTECH Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID: MSVOAD Calibration Date(s): 4/26/2004 4/26/2004

Heated Purge: (Y/N) N Calibration Time(s): 12:44 16:10

GC Column: RTX502.2 ID: 0.18 (mm)

LAB FILE ID:

RRF001 = VD042602.D RRF004 = VD042603.D

RRF010 = VD042604.D RRF020 = VD042605.D RRF040 = VD042607.D

COMPOUND	RRF001	RRF004	RRF010	RRF020	RRF040	$\overline{RRF}$	% RSD
Toluene-d8	0.954	1.012	1.024	1.049	0.956	0.999	4.2
4-Bromofluorobenzene *	0.367	0.392	0.398	0.376	0.364	0.379	4.0 *

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Response Factor Report 5970 MSD

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:02:30 2004
Response via : Initial Calibration

Calibration Files
1 =VD042602.D 4 =VD042603.D 10 =VD042604.D
20 =VD042605.D 40 =VD042607.D

		Compound	1	4	10	20	40	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.538	0.638	0.525	0.460	0.501	0.532	12.47
3)	P	Chloromethane	0.572	0.580	0.467	0.424	0.439	0.496	15.04
4)	C	Vinyl Chloride	0.553	0.595	0.502	0.441	0.443	0.507	13.32#
5)	T	Bromomethane	0.434	0.437	0.351	0.300	0.180	0.340	31.30
6)	T	Chloroethane	0.412	0.405	0.348	0.283	0.253	0.340	20.98
7)	T	Trichlorofluoromethan	0.503	0.559	0.492	0.465	0.492	0.502	6.96
8)	T	1,1,2-Trichlorotriflu	0.479	0.496	0.462	0.404	0.381	0.444	11.15
9)		Ethanol			1.602			1.602	0.00
10)	T	Tert butyl alcohol	0.035	0.035	0.029	0.026	0.024	0.030	16.50
11)	CM	1,1-Dichloroethene	0.471	0.451	0.424	0.384	0.361	0.418	10.93#
12)	T	Iodomethane	0.727	0.758	0.721	0.642	0.600	0.690	9.56
13)	T	Acrolein	0.264	0.220	0.208	0.190	0.192	0.215	13.99
14)	T	Acrylonitrile	0.095	0.098	0.085	0.078	0.075	0.086	12.06
15)	T	Acetone	0.112	0.096	0.077	0.068	0.063	0.083	24.43
16)	T	Carbon Disulfide	0.742	0.792	0.770	0.700	0.659	0.733	7.33
17)	T	Methyl Acetate	0.384	0.291	0.269	0.235	0.238	0.283	21.53
18)	T	Methyl tert-butyl Eth	0.918	0.981	0.939	0.824	0.796	0.892	8.82
19)	T	Methylene Chloride	0.604	0.528	0.476	0.418	0.388	0.483	17.89
20)	T	trans-1,2-Dichloroeth	0.534	0.491	0.457	0.417	0.391	0.458	12.45
21)	T	Vinyl Acetate	0.739	0.776	0.717	0.612	0.636	0.696	10.00
22)	P	1,1-Dichloroethane	0.849	0.946	0.879	0.793	0.754	0.844	8.85
23)	T	2-Butanone	0.190	0.194	0.181	0.166	0.169	0.180	7.02
24)	T	2,2-Dichloropropane	0.586	0.595	0.581	0.478	0.483	0.545	10.80
25)	T	cis-1,2-Dichloroethen	0.541	0.570	0.546	0.502	0.511	0.534	5.12
26)	T	Bromochloromethane	0.477	0.426	0.384	0.389	0.367	0.408	10.75
27)	C	Chloroform	0.911	0.975	0.932	0.858	0.862	0.908	5.42#
28)	T	Cyclohexane	0.698	0.826	0.816	0.737	0.764	0.768	6.97
29)	T	1,1,1-Trichloroethane	0.683	0.759	0.716	0.659	0.664	0.696	5.95
30)	S	1,2-Dichloroethane-d4	0.475	0.499	0.517	0.488	0.463	0.489	4.30
31)	I	1,4-Difluorobenzene	----------ISTD----------						
32)	S	Dibromofluoromethane	0.352	0.351	0.360	0.335	0.326	0.345	3.99
33)	T	1,1-Dichloropropene	0.443	0.453	0.455	0.412	0.387	0.430	6.86
34)	T	Carbon Tetrachloride	0.403	0.428	0.437	0.432	0.416	0.423	3.26
35)	T	Methylcyclohexane	0.453	0.518	0.524	0.481	0.479	0.491	6.04
36)	TM	Benzene	1.126	1.193	1.164	1.032	0.992	1.101	7.84
37)	TM	1,2-Dichloroethane	0.359	0.420	0.398	0.353	0.349	0.376	8.40
38)	TM	Trichloroethene	0.363	0.389	0.388	0.346	0.323	0.362	7.82
39)	C	1,2-Dichloropropane	0.316	0.339	0.323	0.285	0.282	0.309	7.99#
40)	T	Dibromomethane	0.167	0.183	0.180	0.161	0.155	0.169	7.10
41)		1,4-Dioxane	0.001	0.002	0.001	0.001	0.001	0.001#	14.94
42)	T	Bromodichloromethane	0.325	0.406	0.431	0.382	0.402	0.389	10.23

(#) = Out of Range

Response Factor Report 5970 MSD

Method : F:\C\METHODS\VOAD SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:02:30 2004
Response via : Initial Calibration

Calibration Files
1 =VD042602.D 4 =VD042603.D 10 =VD042604.D
20 =VD042605.D 40 =VD042607.D

		Compound	1	4	10	20	40	Avg	%RSD
43)	S	Toluene-d8	0.954	1.012	1.024	1.049	0.956	0.999	4.23
44)	T	4-Methyl-2-Pentanone	0.162	0.192	0.189	0.165	0.167	0.175	8.14
45)	T	t-1,4-Dichloro-2-bute	0.017	0.031	0.035	0.039	0.050	0.034	35.73
46)	CM	Toluene	0.712	0.807	0.794	0.743	0.727	0.756	5.52#
47)	T	t-1,3-Dichloropropene	0.277	0.352	0.372	0.350	0.360	0.342	10.88
48)	T	cis-1,3-Dichloroprope	0.362	0.434	0.441	0.421	0.431	0.418	7.68
49)	T	Ethyl Methacrylate	0.219	0.297	0.306	0.287	0.306	0.283	12.92
50)	T	1,1,2-Trichloroethane	0.212	0.243	0.226	0.208	0.200	0.218	7.76
51)	T	1,3-Dichloropropane	0.378	0.408	0.402	0.356	0.348	0.378	7.05
52)	T	2-Chloroethyl vinyl e	0.113	0.137	0.134	0.123	0.122	0.126	7.81
53)	T	2-Hexanone	0.101	0.129	0.130	0.118	0.120	0.119	9.72
54)	T	Dibromochloromethane	0.184	0.224	0.243	0.237	0.244	0.226	11.06
55)	T	1,2-Dibromoethane	0.201	0.237	0.227	0.199	0.203	0.213	8.17
56)	S	4-Bromofluorobenzene	0.367	0.392	0.398	0.376	0.364	0.379	3.97
57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	T	Tetrachloroethene	0.389	0.402	0.505	0.485	0.346	0.425	15.82
59)	PM	Chlorobenzene	0.987	1.038	1.073	0.931	0.886	0.983	7.74
60)	T	1,1,1,2-Tetrachloroet	0.321	0.378	0.396	0.352	0.347	0.359	8.12
61)	C	Ethyl Benzene	0.481	0.545	0.580	0.516	0.506	0.526	7.31#
62)	T	m&p-Xylenes	0.613	0.666	0.698	0.599	0.559	0.627	8.79
63)	T	o-Xylene	0.551	0.651	0.699	0.606	0.586	0.619	9.29
64)	T	Styrene	0.895	1.044	1.114	0.990	0.962	1.001	8.25
65)	P	Bromoform	0.074	0.104	0.132	0.132	0.150	0.118	25.27
66)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
67)	T	Isopropylbenzene	2.958	3.291	3.525	3.167	2.920	3.172	7.85
68)	P	1,1,2,2-Tetrachloroet	0.554	0.560	0.585	0.510	0.505	0.543	6.27
69)	T	1,2,3-Trichloropropan	0.488	0.507	0.519	0.494	0.511	0.504	2.58
70)	T	Bromobenzene	0.775	0.862	0.861	0.793	0.763	0.811	5.89
71)	T	n-propylbenzene	3.294	3.690	3.938	3.612	3.233	3.554	8.20
72)	T	2-Chlorotoluene	2.208	2.398	2.481	2.343	2.149	2.316	5.89
73)	T	1,3,5-Trimethylbenzen	2.297	2.679	2.654	2.519	2.348	2.499	6.94
74)	T	4-Chlorotoluene	2.621	2.895	3.075	2.761	2.533	2.777	7.79
75)	T	tert-Butylbenzene	1.931	2.222	2.327	2.199	2.082	2.152	7.03
76)	T	1,2,4-Trimethylbenzen	2.351	2.690	2.688	2.520	2.401	2.530	6.23
77)	T	sec-Butylbenzene	2.903	3.275	3.309	3.098	2.887	3.094	6.44
78)	T	4-Isopropyltoluene	2.450	2.678	2.756	2.523	2.373	2.556	6.21
79)	T	1,3-Dichlorobenzene	1.454	1.538	1.562	1.387	1.313	1.451	7.15
80)	T	1,4-Dichlorobenzene	1.530	1.597	1.559	1.398	1.354	1.488	7.11
81)	T	n-Butylbenzene	2.124	2.454	2.483	2.287	2.253	2.320	6.42
82)	T	1,2-Dichlorobenzene	1.209	1.279	1.282	1.179	1.136	1.217	5.23
83)	T	1,2-Dibromo-3-Chlorop	0.084	0.072	0.076	0.077	0.089	0.079	8.79
84)	T	1,2,4-Trichlorobenzen	0.695	0.785	0.793	0.707	0.707	0.737	6.42

(#) = Out of Range

Response Factor Report 5970 MSD

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:02:30 2004
Response via : Initial Calibration

Calibration Files
1 =VD042602.D 4 =VD042603.D 10 =VD042604.D
20 =VD042605.D 40 =VD042607.D

		Compound	1	4	10	20	40	Avg	%RSD
85)	T	Hexachlorobutadiene	0.349	0.368	0.337	0.298	0.299	0.330	9.36
86)	T	Naphthalene	1.004	1.141	1.224	1.163	1.260	1.159	8.49
87)	T	1,2,3-Trichlorobenzen	0.617	0.637	0.614	0.583	0.582	0.607	3.88

(#) = Out of Range

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042602.D Vial: 2
Acq On : 26 Apr 2004 12:44 pm Operator: BRIT
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:01 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.39	168	1095920	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.11	114	1680797	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.36	117	1405391	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.51	152	679062	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.70	65	52082	0.92 ug/l	0.00
Spiked Amount 10.000			Recovery	= 9.20%	
32) Dibromofluoromethane	4.36	113	59240	0.98 ug/l	0.00
Spiked Amount 10.000			Recovery	= 9.80%	
43) Toluene-d8	6.70	98	160282	0.93 ug/l	0.00
Spiked Amount 10.000			Recovery	= 9.30%	
56) 4-Bromofluorobenzene	9.51	95	61672	0.92 ug/l	0.00
Spiked Amount 10.000			Recovery	= 9.20%	

Target Compounds					Qvalue
2) Dichlorodifluorometh	1.29	85	58923	1.03 ug/l	96
3) Chloromethane	1.43	50	62735	1.23 ug/l	92
4) Vinyl Chloride	1.53	62	60559	1.10 ug/l	97
5) Bromomethane	1.78	94	47525	1.24 ug/l	86
6) Chloroethane	1.85	64	45154	1.18 ug/l #	84
7) Trichlorofluorometha	2.00	101	55082	1.02 ug/l	98
8) 1,1,2-Trichlorotrifl	2.39	101	52456	1.04 ug/l	98
10) Tert butyl alcohol	2.91	59	19352	6.05 ug/l	100
11) 1,1-Dichloroethene	2.39	96	51669	1.11 ug/l	95
12) Iodomethane	2.53	142	79701	1.01 ug/l	96
13) Acrolein	4.43	56	144606	6.35 ug/l #	85
14) Acrylonitrile	3.08	53	51919	5.58 ug/l	97
15) Acetone	2.49	43	61478	7.29 ug/l	99
16) Carbon Disulfide	2.56	76	81352	0.96 ug/l	95
17) Methyl Acetate	2.72	43	42117	1.43 ug/l #	89
18) Methyl tert-butyl Et	2.99	73	100557	0.98 ug/l	97
19) Methylene Chloride	2.82	84	66144	1.27 ug/l	92
20) trans-1,2-Dichloroet	3.00	96	58557	1.17 ug/l	98
21) Vinyl Acetate	3.41	43	405090	5.15 ug/l	99
22) 1,1-Dichloroethane	3.39	63	92991	0.97 ug/l #	94

Analyst Signature: BD Analyst Name: _____ Date: 04/28/04

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #: _____
___Peak integrated by software incorrectly.Compound #: _____
___OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042602.D Vial: 2
Acq On : 26 Apr 2004 10:44 pm Operator: BRIT
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:01 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Butanone	3.94	43	103880	5.24 ug/l	95
24) 2,2-Dichloropropane	3.88	77	64192	1.01 ug/l	98
25) cis-1,2-Dichloroethe	3.91	96	59243	0.99 ug/l	93
26) Bromochloromethane	4.13	49	52276	1.24 ug/l #	91
27) Chloroform	4.19	83	99798	0.98 ug/l	90
28) Cyclohexane	4.31	56	76517	0.86 ug/l	89
29) 1,1,1-Trichloroethan	4.32	97	74880	0.95 ug/l #	52
33) 1,1-Dichloropropene	4.48	75	74473	0.97 ug/l	97
34) Carbon Tetrachloride	4.44	117	67657	0.92 ug/l	95
35) Methylcyclohexane	5.46	83	76079	0.86 ug/l	93
36) Benzene	4.68	78	189245	0.97 ug/l	100
37) 1,2-Dichloroethane	4.77	62	60307	0.90 ug/l	98
38) Trichloroethene	5.35	130	60949	0.93 ug/l	88
39) 1,2-Dichloropropane	5.64	63	53195	0.98 ug/l	89
40) Dibromomethane	5.77	93	28029	0.93 ug/l	91
41) 1,4-Dioxane	5.78	88	4978	22.10 ug/l	93
42) Bromodichloromethane	5.93	83	54667	0.75 ug/l	99
44) 4-Methyl-2-Pentanone	6.64	43	135841	4.28 ug/l	99
45) t-1,4-Dichloro-2-but	9.73	53	2829m	0.48 ug/l	
46) Toluene	6.78	92	119658	0.90 ug/l	97
47) t-1,3-Dichloropropen	7.16	75	46603	0.75 ug/l	94
48) cis-1,3-Dichloroprop	6.45	75	60803	0.82 ug/l	100
49) Ethyl Methacrylate	7.20	69	36835	0.72 ug/l	98
50) 1,1,2-Trichloroethan	7.38	97	35641	0.94 ug/l #	89
51) 1,3-Dichloropropane	7.57	76	63563	0.94 ug/l	98
52) 2-Chloroethyl vinyl	6.29	63	94910	4.22 ug/l	99
53) 2-Hexanone	7.64	43	84879	3.89 ug/l	98
54) Dibromochloromethane	7.78	129	30889	0.76 ug/l	90
55) 1,2-Dibromoethane	7.91	107	33746	0.88 ug/l	93
58) Tetrachloroethene	7.41	164	54697	0.77 ug/l	91
59) Chlorobenzene	8.40	112	138712	0.92 ug/l	100
60) 1,1,1,2-Tetrachloroe	8.49	131	45077	0.81 ug/l	82
61) Ethyl Benzene	8.48	106	67547	0.83 ug/l	100
62) m&p-Xylenes	8.59	106	172357	1.76 ug/l	99
63) o-Xylene	8.99	106	77481	0.79 ug/l	99
64) Styrene	9.02	104	125843	0.80 ug/l	98

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 45
___ Peak integrated by software incorrectly. Compound #:_____
___ OTHER:_____ Compound #:_____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042602.D Vial: 2
Acq On : 26 Apr 2004 12:44 pm Operator: BRIJ
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:01 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) Bromoform	9.22	173	10360	0.56 ug/l #	91
67) Isopropylbenzene	9.32	105	200879	0.84 ug/l	99
68) 1,1,2,2-Tetrachloroe	9.68	83	37624	0.95 ug/l	97
69) 1,2,3-Trichloropropa	9.72	75	33116	0.94 ug/l #	100
70) Bromobenzene	9.63	156	52597	0.90 ug/l	94
71) n-propylbenzene	9.70	91	223700	0.84 ug/l	95
72) 2-Chlorotoluene	9.79	91	149914	0.89 ug/l	96
73) 1,3,5-Trimethylbenze	9.85	105	156001	0.87 ug/l	98
74) 4-Chlorotoluene	9.89	91	177968	0.85 ug/l	99
75) tert-Butylbenzene	10.12	119	131114	0.83 ug/l	96
76) 1,2,4-Trimethylbenze	10.17	105	159670	0.87 ug/l	99
77) sec-Butylbenzene	10.31	105	197113	0.88 ug/l	98
78) 4-Isopropyltoluene	10.44	119	166349	0.89 ug/l	99
79) 1,3-Dichlorobenzene	10.45	146	98716	0.93 ug/l	95
80) 1,4-Dichlorobenzene	10.53	146	103905	0.98 ug/l	91
81) n-Butylbenzene	10.77	91	144228	0.86 ug/l	97
82) 1,2-Dichlorobenzene	10.83	146	82102	0.94 ug/l	99
83) 1,2-Dibromo-3-Chloro	11.47	75	5710	1.11 ug/l	68
84) 1,2,4-Trichlorobenze	12.07	180	47227	0.88 ug/l	94
85) Hexachlorobutadiene	12.14	225	23711	1.04 ug/l	97
86) Naphthalene	12.28	128	68202	0.82 ug/l	100
87) 1,2,3-Trichlorobenze	12.47	180	41895	1.01 ug/l	96

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

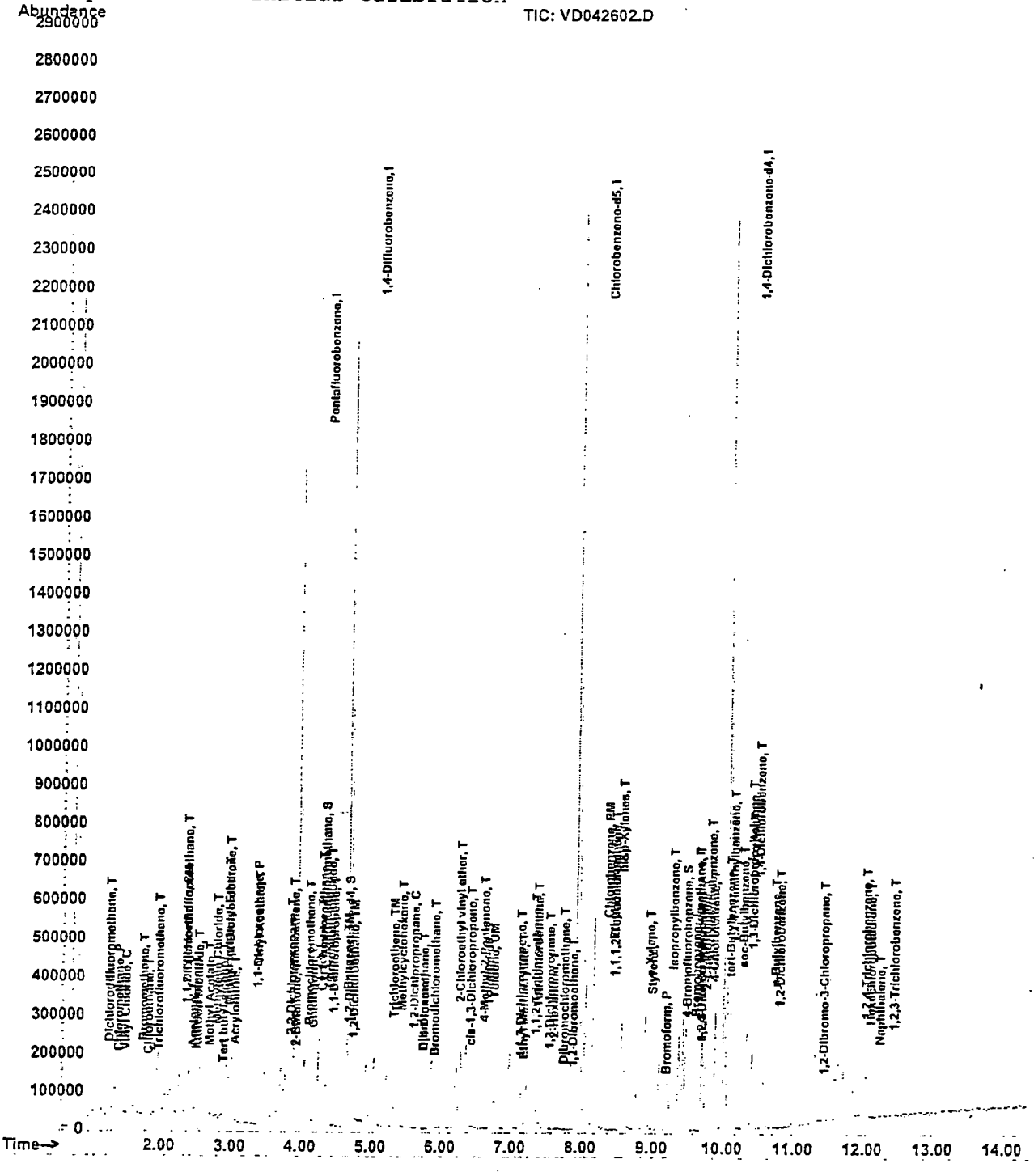
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042602.D Vial: 2
Acq On : 26 Apr 2004 12:44 pm Operator: BFIJ
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:01 2004 Quant Results File: SAD0426W.RES

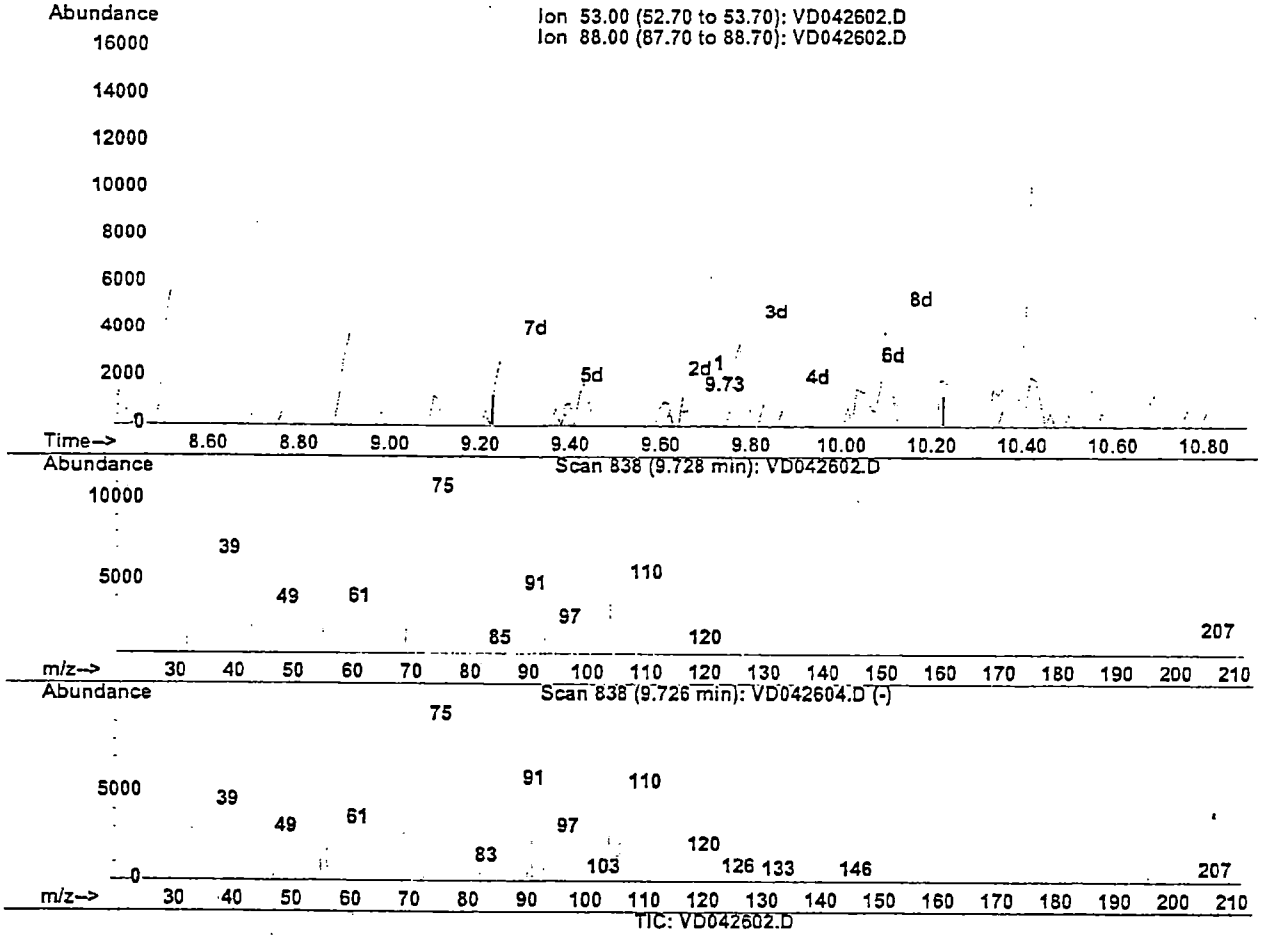
Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration



Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041604\VD042602.D Vial: 1
Acq On : 26 Apr 2004 12:44 pm Operator: EPCC
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:51 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.73min 0.20ug/l

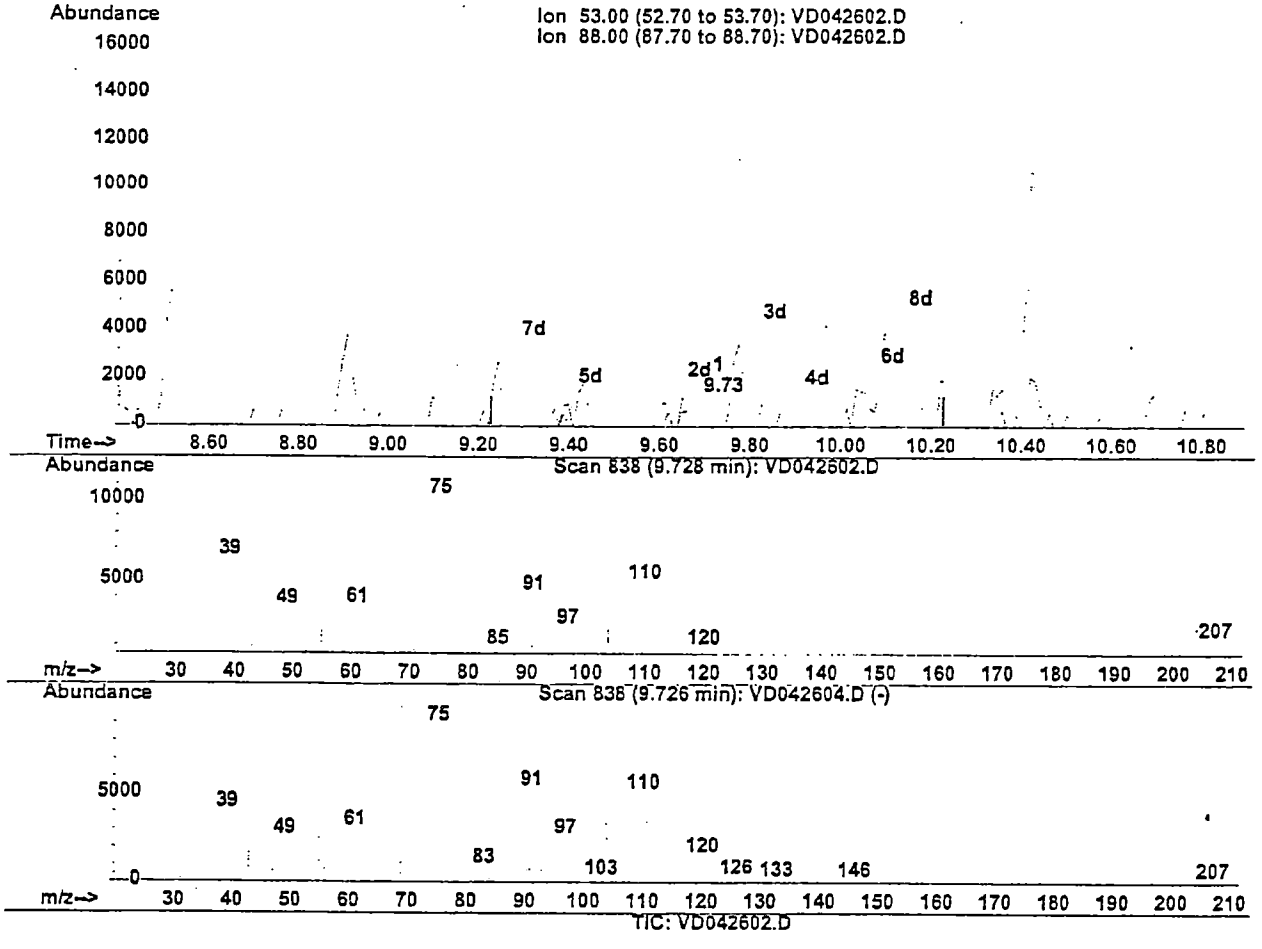
response 1173

Ion	Exp%	Act%
53.00	100	100
88.00	36.10	66.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F: 1 DATA MSVOAD\VD042604\VD042601.D Vial: 1
Acq On : 26 Apr 2004 12:44 pm Operator: BRIT
Sample : 1 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 17:01 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.73min 0.48ug/l m

response 2829

Ion	Exp%	Act%
53.00	100	100
88.00	36.10	27.57#
0.00	0.00	0.00
0.00	0.00	0.00

CHEMTECH GC-MS Quantitation Report (QT Reviewed

Data File : F:\1\DATA\MSVOAD\VD042604\VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:25 pm Operator: EPIT
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:00 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.39	168	881446	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.10	114	1345544	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.36	117	1195491	10.00 ug/l	-0.01
66) 1,4-Dichlorobenzene-	10.51	152	585503	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.71	65	176111	3.86 ug/l	0.00
Spiked Amount 10.000			Recovery	= 38.60%	
32) Dibromofluoromethane	4.35	113	188680	3.90 ug/l	0.00
Spiked Amount 10.000			Recovery	= 39.00%	
43) Toluene-d8	6.70	98	544752	3.96 ug/l	0.00
Spiked Amount 10.000			Recovery	= 39.60%	
56) 4-Bromofluorobenzene	9.50	95	210918	3.94 ug/l	0.00
Spiked Amount 10.000			Recovery	= 39.40%	
Target Compounds					Qvalue
2) Dichlorodifluorometh	1.29	85	225073	4.87 ug/l	93
3) Chloromethane	1.44	50	204450	4.97 ug/l	100
4) Vinyl Chloride	1.54	62	209734	4.74 ug/l	97
5) Bromomethane	1.78	94	154105	4.98 ug/l	94
6) Chloroethane	1.86	64	142814	4.65 ug/l	97
7) Trichlorofluorometha	2.00	101	197228	4.54 ug/l	99
8) 1,1,2-Trichlorotrifl	2.39	101	174739	4.29 ug/l	99
10) Tert butyl alcohol	2.91	59	61379	23.85 ug/l	100
11) 1,1-Dichloroethene	2.39	96	158885	4.25 ug/l	89
12) Iodomethane	2.53	142	267181	4.20 ug/l	100
13) Acrolein	4.43	56	388672	21.22 ug/l	99
14) Acrylonitrile	3.08	53	173354	23.18 ug/l	92
15) Acetone	2.49	43	168890	24.88 ug/l	96
16) Carbon Disulfide	2.56	76	279205	4.11 ug/l	96
17) Methyl Acetate	2.72	43	102581	4.32 ug/l	99
18) Methyl tert-butyl Et	2.99	73	346004	4.18 ug/l	99
19) Methylene Chloride	2.82	84	186056	4.43 ug/l	97
20) trans-1,2-Dichloroet	3.00	96	173210	4.30 ug/l	99
21) Vinyl Acetate	3.41	43	1367717	21.63 ug/l	99
22) 1,1-Dichloroethane	3.39	63	333420	4.30 ug/l	98

Analyst Signature: AD Analyst Name: _____ Date: 04/28/04

REASONS FOR MANUAL INTEGRATIONS

___Poor resolution of peaks exhibited on chromatogram. Compound #: _____
___Peak integrated by software incorrectly. Compound #: _____
___OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:25 pm Operator: BRIJ
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:00 2004 Quant Results File: SAD0426W.RES--

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Butanone	3.94	43	342642	21.48 ug/l	99
24) 2,2-Dichloropropane	3.88	77	209839	4.09 ug/l	99
25) cis-1,2-Dichloroethe	3.91	96	201002	4.18 ug/l	99
26) Bromochloromethane	4.14	49	150072	4.43 ug/l #	98
27) Chloroform	4.20	83	343753	4.18 ug/l	100
28) Cyclohexane	4.31	56	291195	4.05 ug/l	94
29) 1,1,1-Trichloroethan	4.32	97	267456	4.24 ug/l	97
33) 1,1-Dichloropropene	4.48	75	243755	3.98 ug/l	98
34) Carbon Tetrachloride	4.45	117	230413	3.92 ug/l	97
35) Methylcyclohexane	5.46	83	278822	3.96 ug/l	98
36) Benzene	4.68	78	642040	4.10 ug/l	100
37) 1,2-Dichloroethane	4.78	62	226169	4.22 ug/l	97
38) Trichloroethene	5.34	130	209397	4.01 ug/l	94
39) 1,2-Dichloropropane	5.64	63	182452	4.19 ug/l	96
40) Dibromomethane	5.77	93	98593	4.08 ug/l	96
41) 1,4-Dioxane	5.77	88	17777	98.56 ug/l	97
42) Bromodichloromethane	5.94	83	218404	3.76 ug/l	96
44) 4-Methyl-2-Pentanone	6.63	43	516238	20.30 ug/l	99
45) t-1,4-Dichloro-2-but	9.74	53	16481m	3.53 ug/l	
46) Toluene	6.79	92	434358	4.07 ug/l	98
47) t-1,3-Dichloropropen	7.16	75	189285	3.78 ug/l	98
48) cis-1,3-Dichloroprop	6.46	75	233518	3.94 ug/l	100
49) Ethyl Methacrylate	7.19	69	159805	3.88 ug/l	98
50) 1,1,2-Trichloroethan	7.37	97	130655	4.29 ug/l	97
51) 1,3-Dichloropropane	7.57	76	219413	4.06 ug/l	94
52) 2-Chloroethyl vinyl	6.29	63	369164	20.52 ug/l	98
53) 2-Hexanone	7.63	43	346494	19.82 ug/l	99
54) Dibromochloromethane	7.78	129	120632	3.69 ug/l	98
55) 1,2-Dibromoethane	7.90	107	127520	4.17 ug/l	97
58) Tetrachloroethene	7.40	164	192173	3.18 ug/l	95
59) Chlorobenzene	8.39	112	496373	3.87 ug/l	99
60) 1,1,1,2-Tetrachloroe	8.49	131	180724	3.82 ug/l	97
61) Ethyl Benzene	8.47	106	260724	3.76 ug/l	100
62) m&p-Xylenes	8.60	106	636836	7.63 ug/l	100
63) o-Xylene	8.98	106	311354	3.73 ug/l	99
64) Styrene	9.01	104	499068	3.75 ug/l	99

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 45

___ Peak integrated by software incorrectly. Compound #:_____

___ OTHER:_____ Compound #:_____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:25 pm Operator: BRIT
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:00 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) Bromoform	9.21	173	49545	3.13 ug/l	98
67) Isopropylbenzene	9.32	105	770719	3.73 ug/l	99
68) 1,1,2,2-Tetrachloroe	9.68	83	131044	3.83 ug/l	99
69) 1,2,3-Trichloropropa	9.72	75	118755	3.90 ug/l #	100
70) Bromobenzene	9.63	156	201900	4.00 ug/l	98
71) n-propylbenzene	9.70	91	864211	3.75 ug/l	100
72) 2-Chlorotoluene	9.79	91	561645	3.87 ug/l	99
73) 1,3,5-Trimethylbenze	9.85	105	627339	4.04 ug/l	98
74) 4-Chlorotoluene	9.89	91	677988	3.77 ug/l	99
75) tert-Butylbenzene	10.12	119	520278	3.82 ug/l	99
76) 1,2,4-Trimethylbenze	10.17	105	630033	4.00 ug/l	99
77) sec-Butylbenzene	10.31	105	767044	3.96 ug/l	98
78) 4-Isopropyltoluene	10.44	119	627075	3.89 ug/l	97
79) 1,3-Dichlorobenzene	10.45	146	360128	3.94 ug/l	99
80) 1,4-Dichlorobenzene	10.52	146	374099	4.10 ug/l	98
81) n-Butylbenzene	10.77	91	574793	3.95 ug/l	99
82) 1,2-Dichlorobenzene	10.83	146	299617	3.99 ug/l	99
83) 1,2-Dibromo-3-Chloro	11.47	75	16752	3.78 ug/l	94
84) 1,2,4-Trichlorobenze	12.07	180	183786	3.96 ug/l	98
85) Hexachlorobutadiene	12.14	225	86108	4.36 ug/l	99
86) Naphthalene	12.28	128	267273	3.73 ug/l	100
87) 1,2,3-Trichlorobenze	12.47	180	149131	4.15 ug/l	97

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

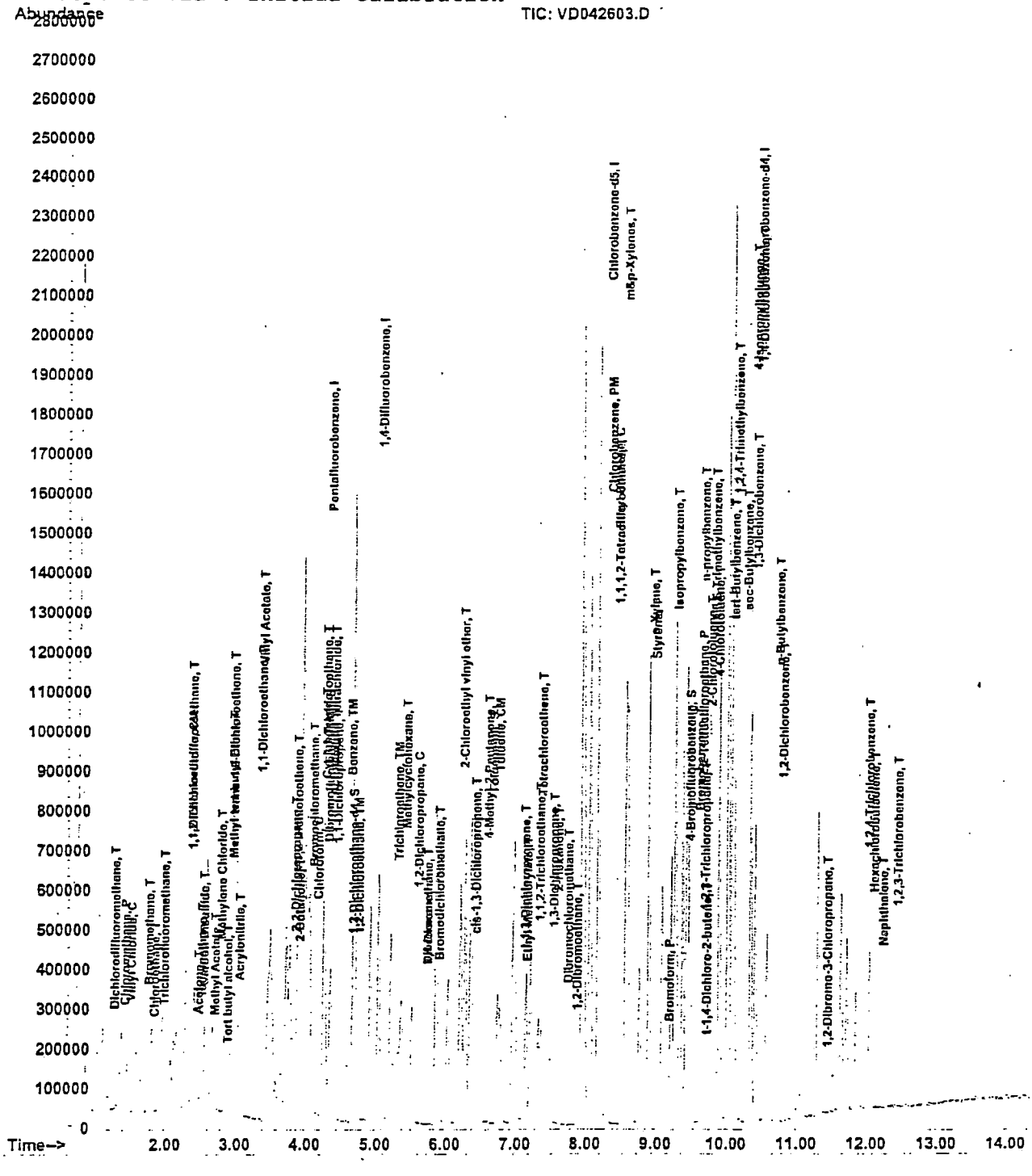
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:28 pm Operator: ERIC
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 17:00 2004 Quant Results File: SAD0426W.RES

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration

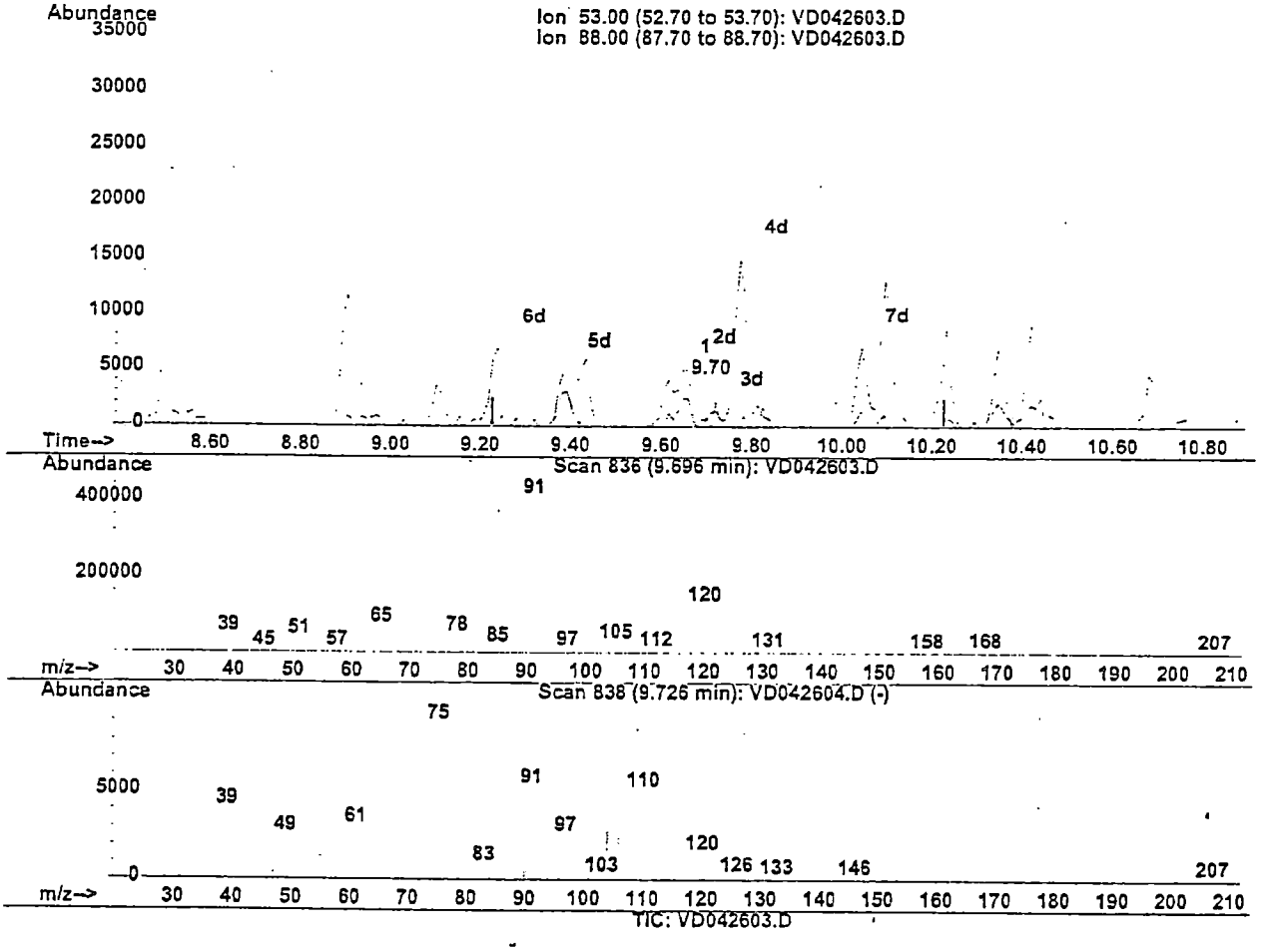


VD042603.D SAD0426W.M Mon Apr 26 17:06:48 2004 MSVOAPRO3 P

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:15 pm Operator: BRIT
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:53 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.70min 1.55ug/l

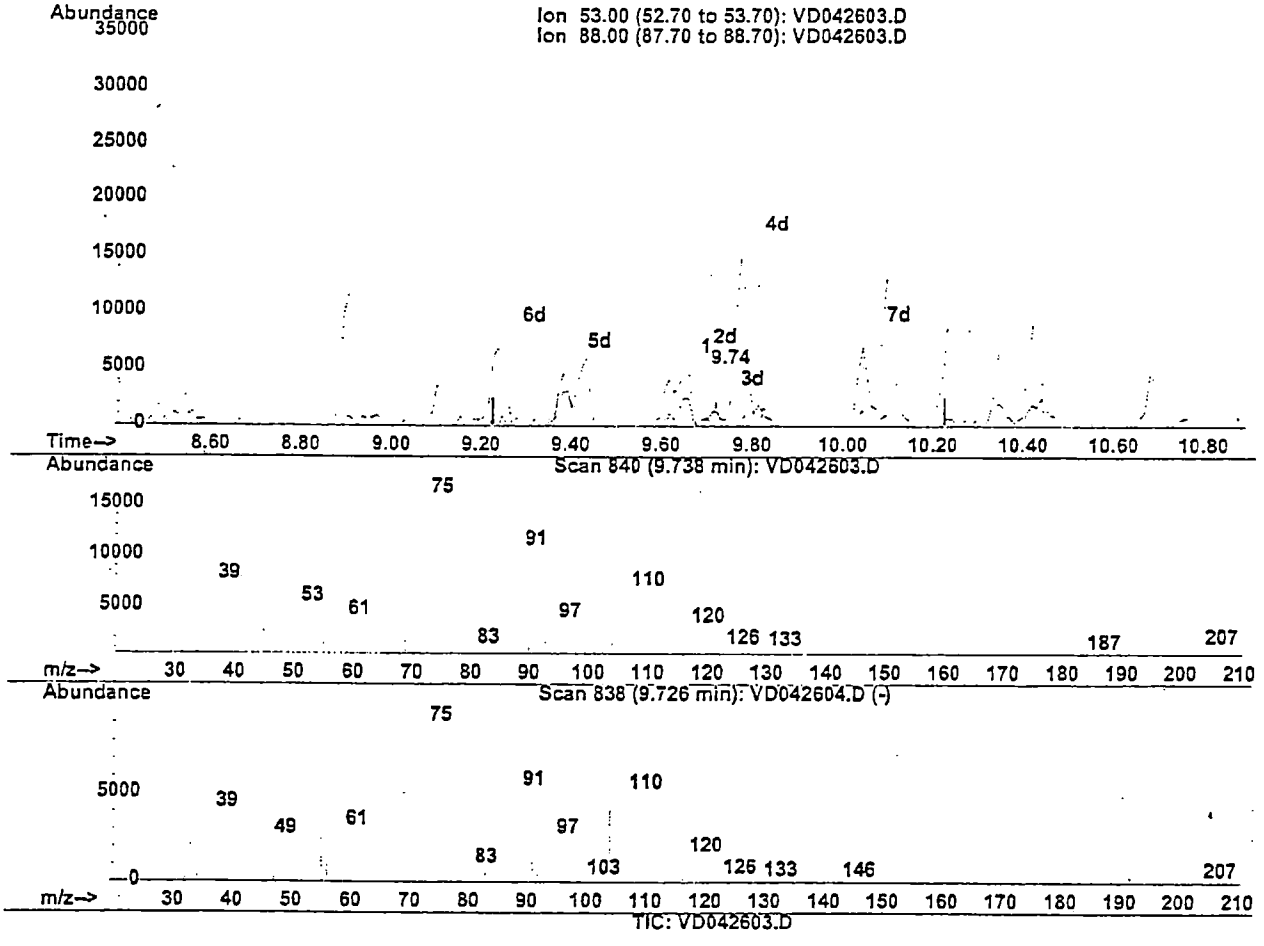
response 7248

Ion	Exp%	Act%
53.00	100	100
88.00	36.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1 DATA\MSVOAD\VD041614 VD042603.D Vial: 3
Acq On : 26 Apr 2004 1:15 pm Operator: BRIT
Sample : 4 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 17:00 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.74min 3.53ug/l m

response 16481

Ion	Exp%	Act%
53.00	100	100
88.00	36.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

CHEMTECH GC-MS Quantitation Report QT Reviewed

Data File : F:\1\DATA\MSVOAD\VD042604\VD042604.D Vial: 4
Acq On : 26 Apr 2004 2:06 pm Operator: BRIT
Sample : 10 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:50 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.38	168	971230	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.11	114	1459677	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.37	117	1178960	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.51	152	588098	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.70	65	502450	10.00 ug/l	0.00
Spiked Amount 10.000			Recovery =	100.00%	
32) Dibromofluoromethane	4.35	113	524998	10.00 ug/l	0.00
Spiked Amount 10.000			Recovery =	100.00%	
43) Toluene-d8	6.71	98	1494070	10.00 ug/l	0.00
Spiked Amount 10.000			Recovery =	100.00%	
56) 4-Bromofluorobenzene	9.51	95	581410	10.00 ug/l	0.00
Spiked Amount 10.000			Recovery =	100.00%	

Target Compounds					Qvalue
2) Dichlorodifluorometh	1.29	85	509449	10.00 ug/l	100
3) Chloromethane	1.44	50	453090	10.00 ug/l	100
4) Vinyl Chloride	1.53	62	487552	10.00 ug/l	100
5) Bromomethane	1.78	94	340848	10.00 ug/l	100
6) Chloroethane	1.86	64	338250	10.00 ug/l	100
7) Trichlorofluorometha	1.99	101	478186	10.00 ug/l	100
8) 1,1,2-Trichlorotrifl	2.40	101	448627	10.00 ug/l	100
10) Tert butyl alcohol	2.91	59	141765	50.00 ug/l	100
11) 1,1-Dichloroethene	2.40	96	411876	10.00 ug/l	100
12) Iodomethane	2.53	142	700141	10.00 ug/l	100
13) Acrolein	4.43	56	1008916	50.00 ug/l	100
14) Acrylonitrile	3.08	53	412046	50.00 ug/l	100
15) Acetone	2.49	43	373910	50.00 ug/l	100
16) Carbon Disulfide	2.56	76	747849	10.00 ug/l	100
17) Methyl Acetate	2.72	43	261561	10.00 ug/l	100
18) Methyl tert-butyl Et	2.98	73	912396	10.00 ug/l	100
19) Methylene Chloride	2.82	84	462444	10.00 ug/l	100
20) trans-1,2-Dichloroet	3.00	96	443763	10.00 ug/l	100
21) Vinyl Acetate	3.42	43	3483781	50.00 ug/l	100
22) 1,1-Dichloroethane	3.38	63	853991	10.00 ug/l	100

Analyst Signature: SAD Analyst Name: _____ Date: 04/28/04

REASONS FOR MANUAL INTEGRATIONS

___Poor resolution of peaks exhibited on chromatogram. Compound #: _____
___Peak integrated by software incorrectly. Compound #: _____
___OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042604.D Vial: 4
Acq On : 26 Apr 2004 2:06 pm Operator: BPIT
Sample : 10 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:50 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Butanone	3.94	43	878801	50.00 ug/l	100
24) 2,2-Dichloropropane	3.87	77	564741	10.00 ug/l	100
25) cis-1,2-Dichloroethe	3.90	96	529808	10.00 ug/l	100
26) Bromochloromethane	4.13	49	373257	10.00 ug/l #	100
27) Chloroform	4.20	83	905600	10.00 ug/l	100
28) Cyclohexane	4.31	56	792248	10.00 ug/l	100
29) 1,1,1-Trichloroethan	4.33	97	695474	10.00 ug/l	100
33) 1,1-Dichloropropene	4.49	75	664507	10.00 ug/l	100
34) Carbon Tetrachloride	4.44	117	637992	10.00 ug/l	100
35) Methylcyclohexane	5.46	83	764443	10.00 ug/l	100
36) Benzene	4.68	78	1699037	10.00 ug/l	100
37) 1,2-Dichloroethane	4.78	62	581222	10.00 ug/l	100
38) Trichloroethene	5.35	130	566956	10.00 ug/l	100
39) 1,2-Dichloropropane	5.64	63	471929	10.00 ug/l	100
40) Dibromomethane	5.78	93	262173	10.00 ug/l	100
41) 1,4-Dioxane	5.78	88	39132	200.00 ug/l	100
42) Bromodichloromethane	5.94	83	629530	10.00 ug/l	100
44) 4-Methyl-2-Pentanone	6.64	43	1379302	50.00 ug/l	100
45) t-1,4-Dichloro-2-but	9.73	53	50717	10.00 ug/l	100
46) Toluene	6.78	92	1158381	10.00 ug/l	100
47) t-1,3-Dichloropropen	7.16	75	542631	10.00 ug/l	100
48) cis-1,3-Dichloroprop	6.46	75	643655	10.00 ug/l	100
49) Ethyl Methacrylate	7.19	69	447272	10.00 ug/l	100
50) 1,1,2-Trichloroethan	7.37	97	330037	10.00 ug/l	100
51) 1,3-Dichloropropane	7.57	76	586583	10.00 ug/l	100
52) 2-Chloroethyl vinyl	6.29	63	975904	50.00 ug/l	100
53) 2-Hexanone	7.63	43	948195	50.00 ug/l	100
54) Dibromochloromethane	7.78	129	354979	10.00 ug/l	100
55) 1,2-Dibromoethane	7.90	107	331558	10.00 ug/l	100
58) Tetrachloroethene	7.40	164	595334	10.00 ug/l	100
59) Chlorobenzene	8.39	112	1264436	10.00 ug/l	100
60) 1,1,1,2-Tetrachloroe	8.50	131	467162	10.00 ug/l	100
61) Ethyl Benzene	8.48	106	684253	10.00 ug/l	100
62) m&p-Xylenes	8.60	106	1646481	20.00 ug/l	100
63) o-Xylene	8.99	106	823554	10.00 ug/l	100
64) Styrene	9.02	104	1312797	10.00 ug/l	100

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042604.D Vial: 4
Acq On : 26 Apr 2004 2:06 pm Operator: BRIJ
Sample : 10 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:50 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) Bromoform	9.21	173	155869	10.00 ug/l	100
67) Isopropylbenzene	9.32	105	2073121	10.00 ug/l	100
68) 1,1,2,2-Tetrachloroe	9.67	83	343844	10.00 ug/l	100
69) 1,2,3-Trichloropropa	9.72	75	305497	10.00 ug/l #	100
70) Bromobenzene	9.63	156	506454	10.00 ug/l	100
71) n-propylbenzene	9.69	91	2316049	10.00 ug/l	100
72) 2-Chlorotoluene	9.80	91	1459151	10.00 ug/l	100
73) 1,3,5-Trimethylbenze	9.85	105	1560764	10.00 ug/l	100
74) 4-Chlorotoluene	9.90	91	1808487	10.00 ug/l	100
75) tert-Butylbenzene	10.13	119	1368564	10.00 ug/l	100
76) 1,2,4-Trimethylbenze	10.18	105	1580847	10.00 ug/l	100
77) sec-Butylbenzene	10.32	105	1946171	10.00 ug/l	100
78) 4-Isopropyltoluene	10.43	119	1620837	10.00 ug/l	100
79) 1,3-Dichlorobenzene	10.44	146	918441	10.00 ug/l	100
80) 1,4-Dichlorobenzene	10.53	146	916686	10.00 ug/l	100
81) n-Butylbenzene	10.77	91	1460435	10.00 ug/l	100
82) 1,2-Dichlorobenzene	10.84	146	754187	10.00 ug/l	100
83) 1,2-Dibromo-3-Chloro	11.46	75	44570	10.00 ug/l	100
84) 1,2,4-Trichlorobenze	12.07	180	466361	10.00 ug/l	100
85) Hexachlorobutadiene	12.15	225	198203	10.00 ug/l	100
86) Naphthalene	12.28	128	719641	10.00 ug/l	100
87) 1,2,3-Trichlorobenze	12.47	180	360839	10.00 ug/l	100

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

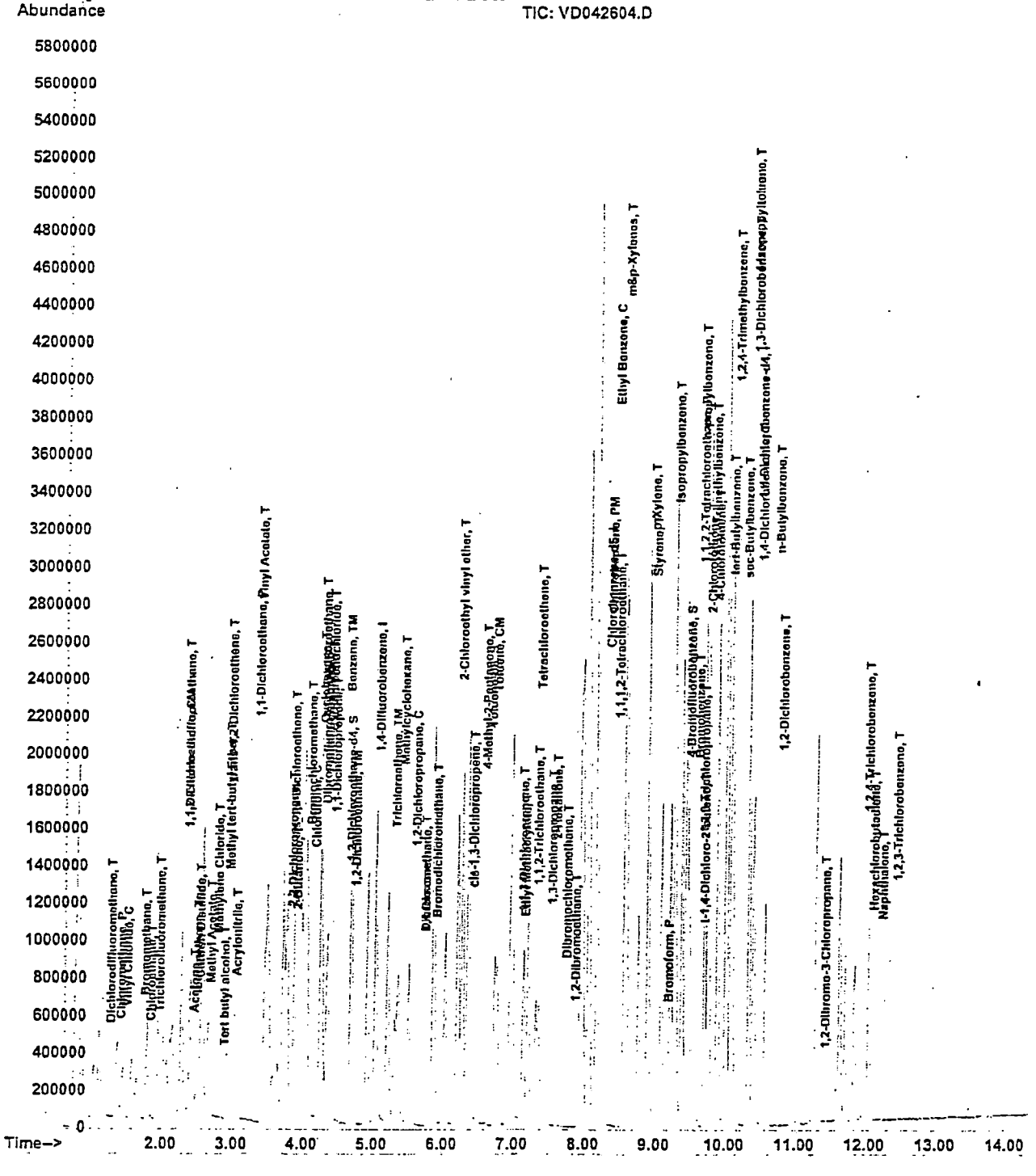
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604 VD042604.D Vial: 4
Acq On : 26 Apr 2004 2:06 pm Operator: BRIJ
Sample : 10 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:50 2004 Quant Results File: SAD0426W.RES

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration



VD042604.D SAD0426W.M Mon Apr 26 17:07:00 2004 MSVOAPRO3 P

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:48 pm Operator: BRIT
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:57 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.39	168	968095	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.11	114	1504419	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.36	117	1251675	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.51	152	587827	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.70	65	945459	18.88 ug/l	0.00
Spiked Amount 10.000			Recovery = 188.80%		
32) Dibromofluoromethane	4.35	113	1008564	18.64 ug/l	0.00
Spiked Amount 10.000			Recovery = 186.40%		
43) Toluene-d8	6.71	98	3155684	20.49 ug/l	0.00
Spiked Amount 10.000			Recovery = 204.90%		
56) 4-Bromofluorobenzene	9.51	95	1129823	18.85 ug/l	0.00
Spiked Amount 10.000			Recovery = 188.50%		

Target Compounds					Qvalue
2) Dichlorodifluorometh	1.29	85	889816	17.52 ug/l	94
3) Chloromethane	1.44	50	820254m	18.16 ug/l	
4) Vinyl Chloride	1.53	62	853637	17.57 ug/l	99
5) Bromomethane	1.78	94	580103	17.07 ug/l	95
6) Chloroethane	1.85	64	547094	16.23 ug/l	99
7) Trichlorofluorometha	2.01	101	899691	18.88 ug/l	99
8) 1,1,2-Trichlorotrifl	2.40	101	782277	17.49 ug/l	99
10) Tert butyl alcohol	2.92	59	253493	89.70 ug/l	100
11) 1,1-Dichloroethene	2.42	96	742623	18.09 ug/l	91
12) Iodomethane	2.53	142	1242166m	17.80 ug/l	
13) Acrolein	4.43	56	1839801	91.47 ug/l	99
14) Acrylonitrile	3.08	53	751111	91.44 ug/l	95
15) Acetone	2.49	43	660129	88.56 ug/l	98
16) Carbon Disulfide	2.56	76	1355939	18.19 ug/l	98
17) Methyl Acetate	2.72	43	454774	17.44 ug/l	100
18) Methyl tert-butyl Et	2.98	73	1594771	17.54 ug/l	99
19) Methylene Chloride	2.81	84	810272	17.58 ug/l	98
20) trans-1,2-Dichloroet	3.00	96	807943	18.27 ug/l	97
21) Vinyl Acetate	3.41	43	5921031	85.26 ug/l	100
22) 1,1-Dichloroethane	3.39	63	1536060	18.05 ug/l	99

Analyst Signature: MM Analyst Name: _____ Date: 04/28/04

REASONS FOR MANUAL INTEGRATIONS

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 3, 12
___ Peak integrated by software incorrectly. Compound #: _____
___ OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:48 pm Operator: BRIT
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:57 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
23) 2-Butanone	3.94	43	1602267	91.46 ug/l		98
24) 2,2-Dichloropropane	3.88	77	924828	16.43 ug/l		95
25) cis-1,2-Dichloroethe	3.91	96	972670	18.42 ug/l		97
26) Bromochloromethane	4.13	49	752530	20.23 ug/l	#	99
27) Chloroform	4.19	83	1660766	18.40 ug/l		98
28) Cyclohexane	4.31	56	1427385	18.08 ug/l		97
29) 1,1,1-Trichloroethan	4.33	97	1275906	18.41 ug/l		97
33) 1,1-Dichloropropene	4.49	75	1240603	18.11 ug/l		99
34) Carbon Tetrachloride	4.44	117	1298360	19.75 ug/l		98
35) Methylcyclohexane	5.46	83	1446600	18.36 ug/l		98
36) Benzene	4.68	78	3104140	17.73 ug/l		100
37) 1,2-Dichloroethane	4.78	62	1061355	17.72 ug/l		100
38) Trichloroethene	5.35	130	1042330	17.84 ug/l		98
39) 1,2-Dichloropropane	5.64	63	857888	17.64 ug/l		98
40) Dibromomethane	5.78	93	485000	17.95 ug/l		98
41) 1,4-Dioxane	5.78	88	69129	342.80 ug/l		93
42) Bromodichloromethane	5.94	83	1149845	17.72 ug/l		99
44) 4-Methyl-2-Pentanone	6.64	43	2486574	87.46 ug/l		98
45) t-1,4-Dichloro-2-but	9.73	53	117788	22.53 ug/l		100
46) Toluene	6.78	92	2234409	18.72 ug/l		99
47) t-1,3-Dichloropropen	7.17	75	1053636	18.84 ug/l		98
48) cis-1,3-Dichloroprop	6.46	75	1266726	19.09 ug/l		100
49) Ethyl Methacrylate	7.20	69	862329	18.71 ug/l		99
50) 1,1,2-Trichloroethan	7.38	97	624509	18.36 ug/l		95
51) 1,3-Dichloropropane	7.57	76	1069856	17.70 ug/l		100
52) 2-Chloroethyl vinyl	6.29	63	1845415	91.74 ug/l		100
53) 2-Hexanone	7.63	43	1771130	90.62 ug/l		100
54) Dibromochloromethane	7.78	129	712192	19.47 ug/l		99
55) 1,2-Dibromoethane	7.91	107	598176	17.50 ug/l		100
58) Tetrachloroethene	7.41	164	1214558	19.22 ug/l		94
59) Chlorobenzene	8.40	112	2330830	17.36 ug/l		100
60) 1,1,1,2-Tetrachloroe	8.49	131	881858	17.78 ug/l		99
61) Ethyl Benzene	8.48	106	1291939	17.78 ug/l		100
62) m&p-Xylenes	8.59	106	2997568	34.30 ug/l		100
63) o-Xylene	8.99	106	1516343	17.34 ug/l		100
64) Styrene	9.01	104	2479508	17.79 ug/l		99

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:48 pm Operator: BRIT
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:57 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) Bromoform	9.22	173	331189	20.01 ug/l	98
67) Isopropylbenzene	9.32	105	3723453	17.97 ug/l	99
68) 1,1,2,2-Tetrachloroe	9.68	83	600045	17.46 ug/l	99
69) 1,2,3-Trichloropropa	9.72	75	580259	19.00 ug/l #	100
70) Bromobenzene	9.63	156	932140	18.41 ug/l	99
71) n-propylbenzene	9.70	91	4246597	18.34 ug/l	100
72) 2-Chlorotoluene	9.80	91	2754213	18.88 ug/l	99
73) 1,3,5-Trimethylbenze	9.85	105	2961634	18.98 ug/l	98
74) 4-Chlorotoluene	9.90	91	3245978	17.96 ug/l	99
75) tert-Butylbenzene	10.12	119	2585648	18.90 ug/l	99
76) 1,2,4-Trimethylbenze	10.19	105	2962436	18.75 ug/l	99
77) sec-Butylbenzene	10.31	105	3641722	18.72 ug/l	99
78) 4-Isopropyltoluene	10.44	119	2966170	18.31 ug/l	99
79) 1,3-Dichlorobenzene	10.45	146	1630269	17.76 ug/l	98
80) 1,4-Dichlorobenzene	10.53	146	1643519	17.94 ug/l	100
81) n-Butylbenzene	10.77	91	2689037	18.42 ug/l	100
82) 1,2-Dichlorobenzene	10.83	146	1386326	18.39 ug/l	100
83) 1,2-Dibromo-3-Chloro	11.46	75	90323	20.27 ug/l	97
84) 1,2,4-Trichlorobenze	12.07	180	831155	17.83 ug/l	99
85) Hexachlorobutadiene	12.14	225	349923	17.66 ug/l	99
86) Naphthalene	12.28	128	1367094	19.01 ug/l	100
87) 1,2,3-Trichlorobenze	12.48	180	685183	19.00 ug/l	99

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

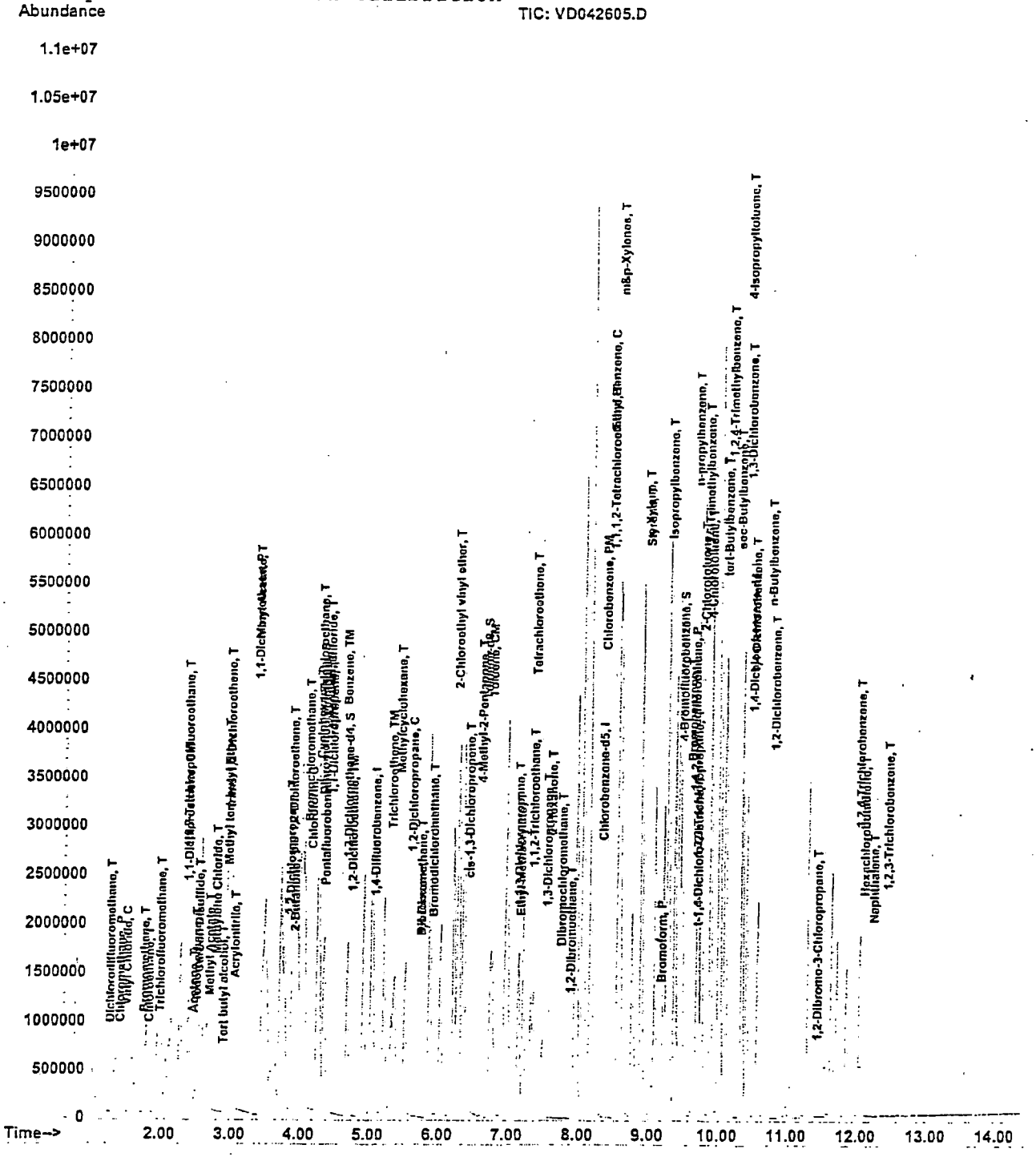
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:48 pm Operator: BRIJ
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:57 2004 Quant Results File: SAD0426W.RES

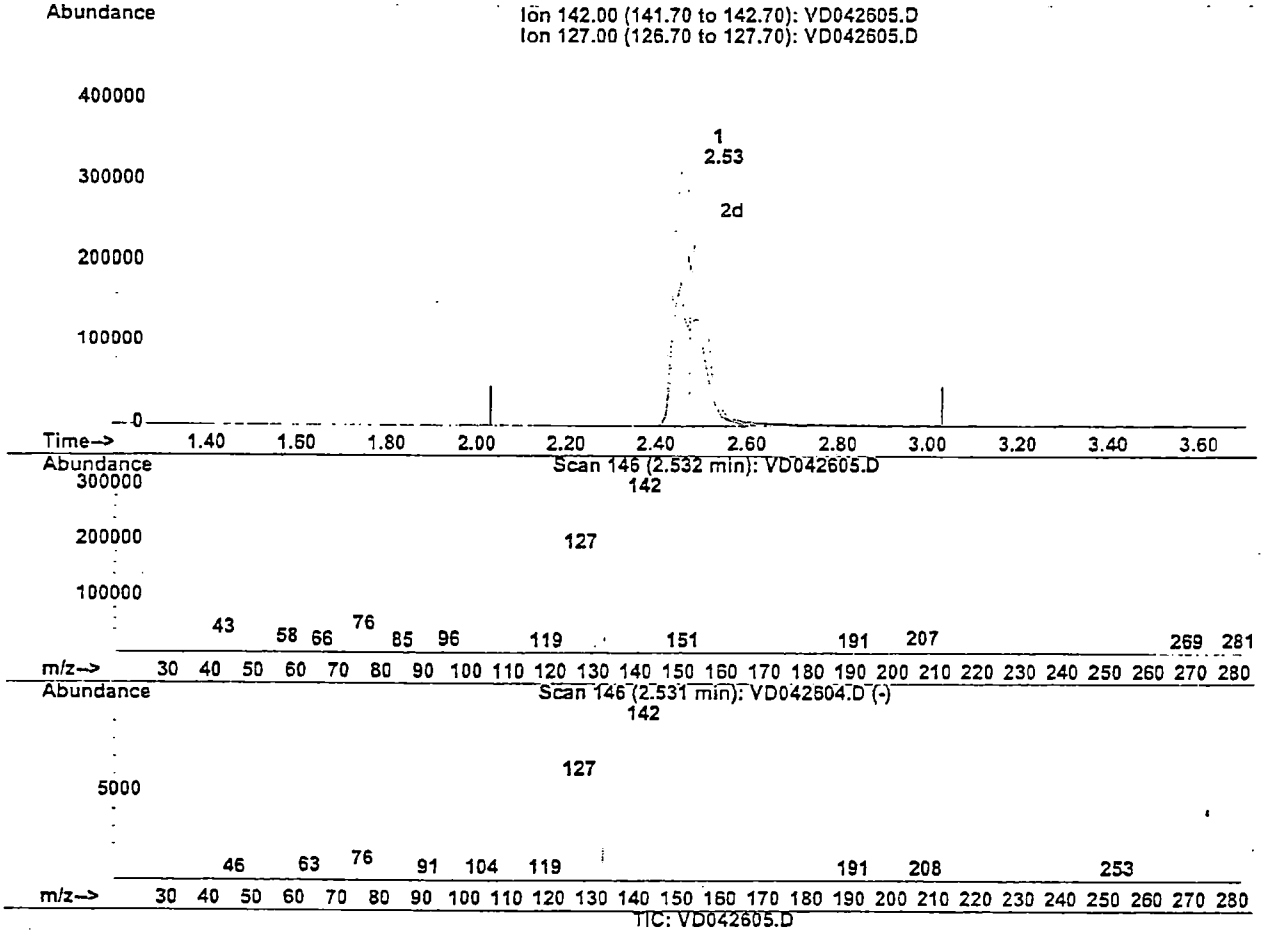
Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration



Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:48 pm Operator: ERIC
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:55 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(12) Iodomethane (T)

2.53min 9.80ug/l

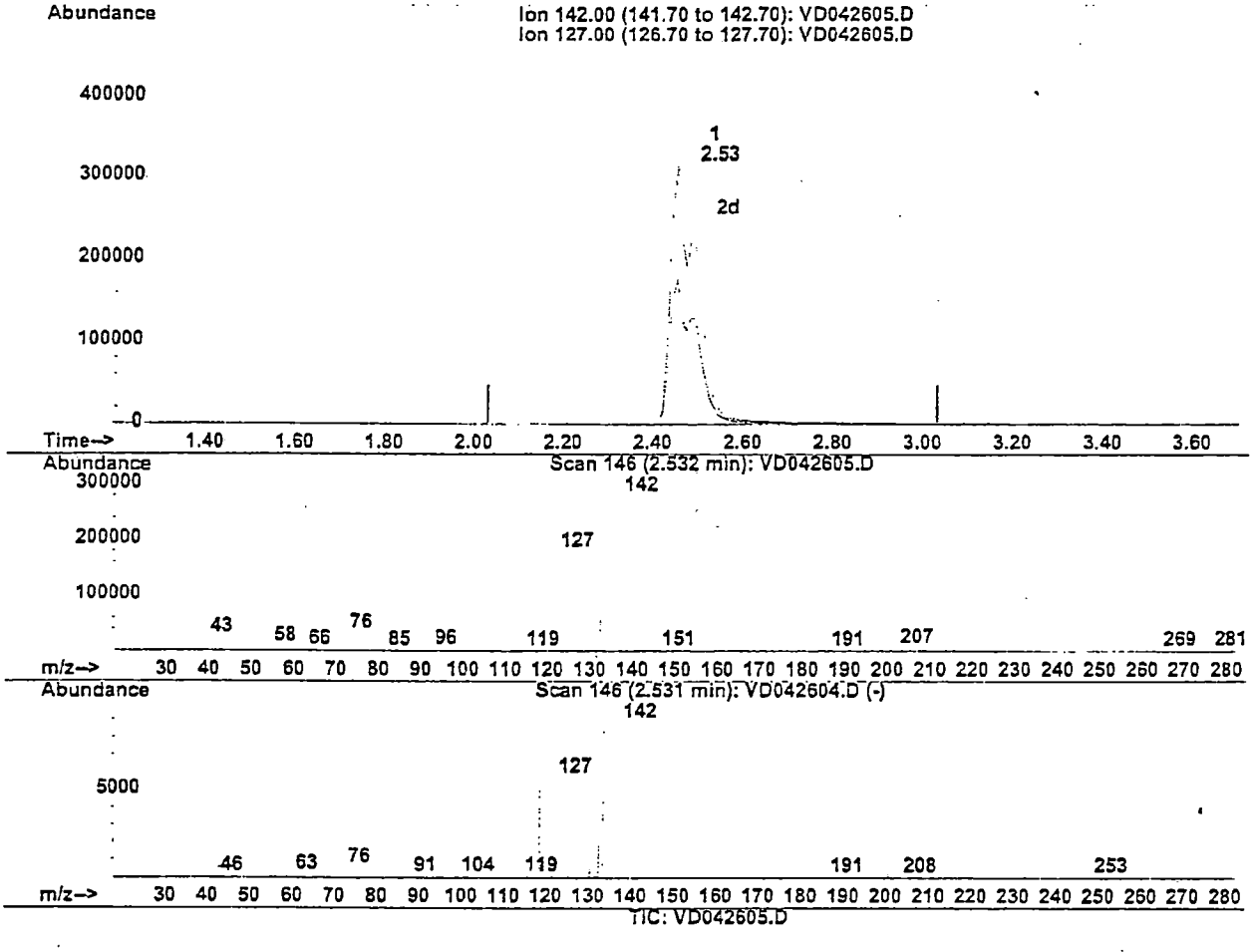
response 683918

Ion	Exp%	Act%
142.00	100	100
127.00	55.70	58.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 3
Acq On : 26 Apr 2004 2:48 pm Operator: EPIC
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:56 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(12) Iodomethane (T)

2.53min 17.80ug/l m

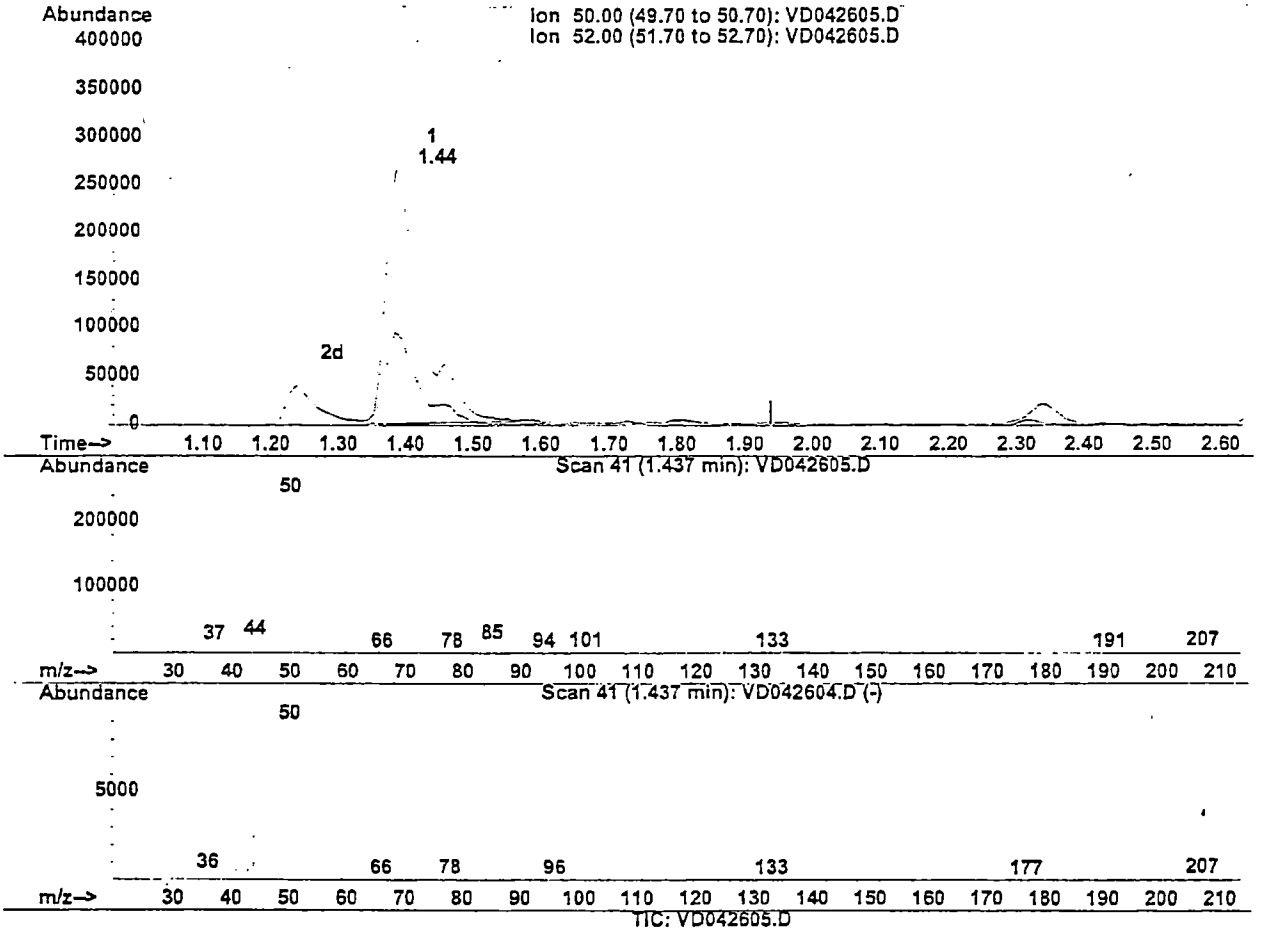
response 1242166

Ion	Exp%	Act%
142.00	100	100
127.00	55.70	31.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 1:49 pm Operator: BRIT
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:56 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(3) Chloromethane (P)

1.44min 20.48ug/l

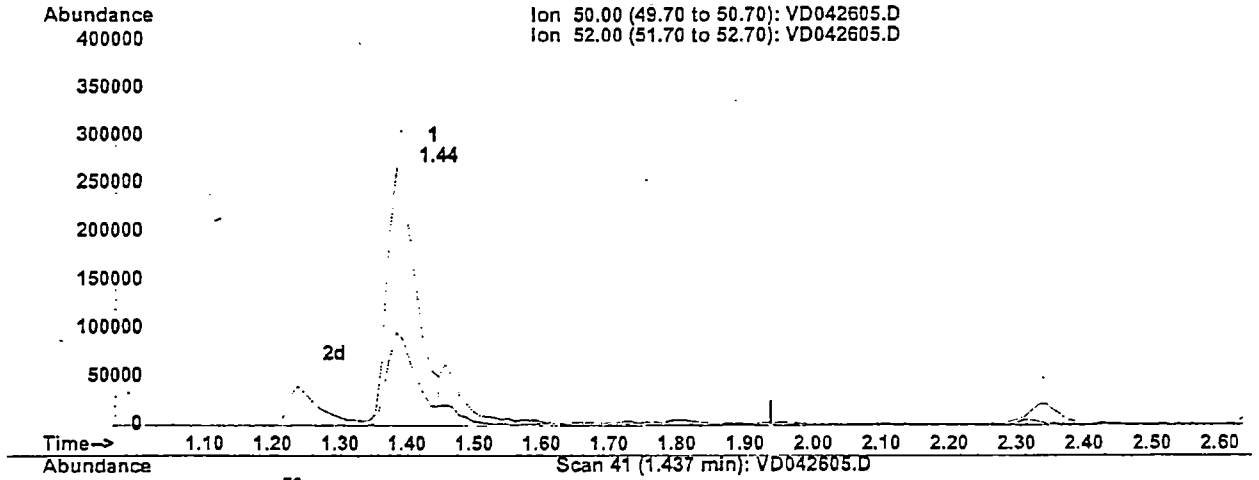
response 924983

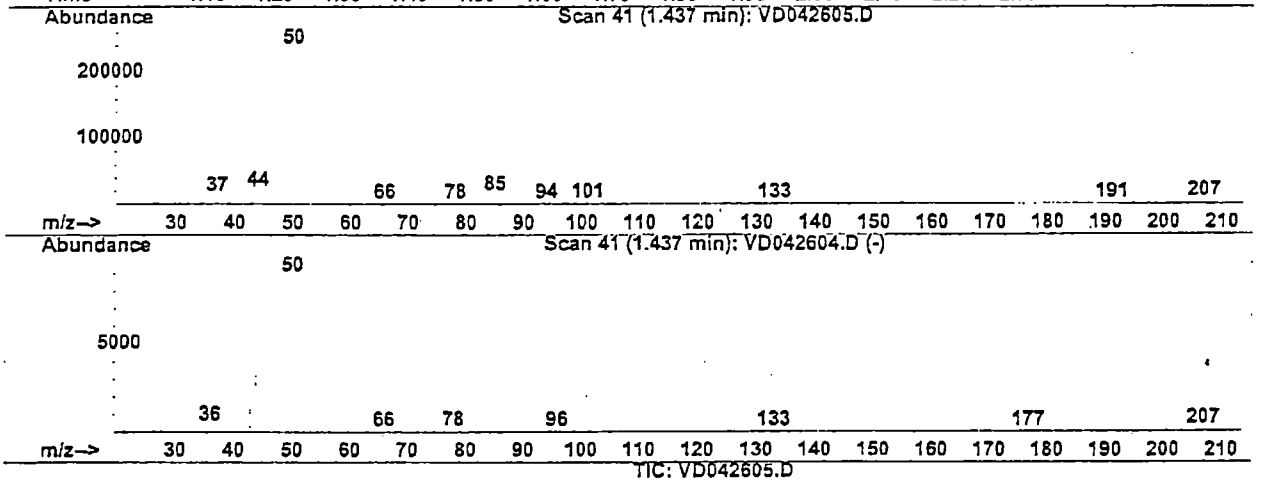
Ion	Exp%	Act%
50.00	100	100
52.00	38.60	36.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042605.D Vial: 5
Acq On : 26 Apr 2004 2:45 pm Operator: BRIT
Sample : 20 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:57 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration





(3) Chloromethane (P)

1.44min 18.16ug/l m

response 820254

Ion	Exp%	Act%
50.00	100	100
52.00	38.60	35.79
0.00	0.00	0.00
0.00	0.00	0.00

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: BRIJ
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:59 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.39	168	965898	10.00 ug/l	0.00
31) 1,4-Difluorobenzene	5.11	114	1547408	10.00 ug/l	0.00
57) Chlorobenzene-d5	8.37	117	1272176	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.51	152	617008	10.00 ug/l	0.00
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.70	65	1789578	35.81 ug/l	0.00
Spiked Amount 10.000			Recovery = 358.10%		
32) Dibromofluoromethane	4.36	113	2018138	36.26 ug/l	0.00
Spiked Amount 10.000			Recovery = 362.60%		
43) Toluene-d8	6.71	98	5918830	37.37 ug/l	0.00
Spiked Amount 10.000			Recovery = 373.70%		
56) 4-Bromofluorobenzene	9.52	95	2255782	36.60 ug/l	0.00
Spiked Amount 10.000			Recovery = 366.00%		

Target Compounds					Qvalue
2) Dichlorodifluorometh	1.29	85	1934715	38.19 ug/l	97
3) Chloromethane	1.44	50	1694401m	37.60 ug/l	
4) Vinyl Chloride	1.53	62	1713207	35.33 ug/l	99
5) Bromomethane	1.76	94	697159	20.57 ug/l	92
6) Chloroethane	1.84	64	976995	29.04 ug/l	94
7) Trichlorofluorometha	2.00	101	1900569	39.96 ug/l	98
8) 1,1,2-Trichlorotrifl	2.39	101	1470327	32.95 ug/l	97
10) Tert butyl alcohol	2.93	59	471590	167.25 ug/l	100
11) 1,1-Dichloroethene	2.41	96	1395949	34.08 ug/l	96
12) Iodomethane	2.53	142	2318509m	33.30 ug/l	
13) Acrolein	4.43	56	3713543	185.05 ug/l	99
14) Acrylonitrile	3.08	53	1441551	175.89 ug/l	97
15) Acetone	2.49	43	1224170	164.60 ug/l	97
16) Carbon Disulfide	2.56	76	2544572	34.21 ug/l	98
17) Methyl Acetate	2.72	43	917784	35.28 ug/l	96
18) Methyl tert-butyl Et	2.99	73	3076046	33.90 ug/l	99
19) Methylene Chloride	2.82	84	1498007	32.57 ug/l	96
20) trans-1,2-Dichloroet	3.00	96	1512477	34.27 ug/l	99
21) Vinyl Acetate	3.41	43	12290245	177.37 ug/l	100
22) 1,1-Dichloroethane	3.39	63	2911478	34.28 ug/l	98

Analyst Signature: BM Analyst Name: _____ Date: 04/27/04

REASONS FOR MANUAL INTEGRATIONS

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 3,12
___ Peak integrated by software incorrectly. Compound #: _____
___ OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: ERIC
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:59 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
23) 2-Butanone	3.94	43	3258191	186.40 ug/l		96
24) 2,2-Dichloropropane	3.87	77	1867168	33.24 ug/l		95
25) cis-1,2-Dichloroethe	3.91	96	1976059	37.50 ug/l		97
26) Bromochloromethane	4.13	49	1416946	38.17 ug/l	#	99
27) Chloroform	4.20	83	3331932	37.00 ug/l		98
28) Cyclohexane	4.31	56	2951005	37.45 ug/l		99
29) 1,1,1-Trichloroethan	4.33	97	2565749	37.10 ug/l		94
33) 1,1-Dichloropropene	4.49	75	2395924	34.01 ug/l		99
34) Carbon Tetrachloride	4.44	117	2576551	38.10 ug/l		99
35) Methylcyclohexane	5.46	83	2966719	36.61 ug/l		98
36) Benzene	4.68	78	6138166	34.08 ug/l		100
37) 1,2-Dichloroethane	4.79	62	2162676	35.10 ug/l		99
38) Trichloroethene	5.35	130	1998763	33.26 ug/l		94
39) 1,2-Dichloropropane	5.64	63	1747272	34.92 ug/l		97
40) Dibromomethane	5.78	93	959251	34.51 ug/l		98
41) 1,4-Dioxane	5.78	88	149890	722.64 ug/l		99
42) Bromodichloromethane	5.94	83	2487261	37.27 ug/l		99
44) 4-Methyl-2-Pentanone	6.65	43	5177244	177.04 ug/l		97
45) t-1,4-Dichloro-2-but	9.74	53	312215	58.07 ug/l	#	78
46) Toluene	6.79	92	4501077	36.65 ug/l		98
47) t-1,3-Dichloropropen	7.17	75	2225925	38.70 ug/l		97
48) cis-1,3-Dichloroprop	6.46	75	2667239	39.09 ug/l		100
49) Ethyl Methacrylate	7.21	69	1892014	39.90 ug/l		97
50) 1,1,2-Trichloroethan	7.38	97	1238917	35.41 ug/l		97
51) 1,3-Dichloropropane	7.57	76	2154827	34.65 ug/l		98
52) 2-Chloroethyl vinyl	6.31	63	3764250	181.93 ug/l		100
53) 2-Hexanone	7.64	43	3709544	184.52 ug/l		100
54) Dibromochloromethane	7.79	129	1507886	40.07 ug/l		99
55) 1,2-Dibromoethane	7.92	107	1258832	35.81 ug/l		98
58) Tetrachloroethene	7.42	164	1759425	27.39 ug/l		97
59) Chlorobenzene	8.40	112	4508638	33.04 ug/l		99
60) 1,1,1,2-Tetrachloroe	8.50	131	1766475	35.04 ug/l		97
61) Ethyl Benzene	8.48	106	2573189	34.85 ug/l		100
62) m&p-Xylenes	8.60	106	5692668	64.08 ug/l		98
63) o-Xylene	8.99	106	2981670	33.55 ug/l		98
64) Styrene	9.03	104	4894663	34.55 ug/l		99

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

CHEMTECH GC-MS Quantitation Report (QT Reviewed)

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: BRIT
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:59 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:49:42 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65) Bromoform	9.22	173	761407	45.27 ug/l	96
67) Isopropylbenzene	9.33	105	7207581	33.14 ug/l	99
68) 1,1,2,2-Tetrachloroe	9.68	83	1246388	34.55 ug/l	99
69) 1,2,3-Trichloropropa	9.72	75	1261629	39.36 ug/l #	100
70) Bromobenzene	9.64	156	1882502	35.43 ug/l	98
71) n-propylbenzene	9.70	91	7980132	32.84 ug/l	99
72) 2-Chlorotoluene	9.80	91	5303272	34.64 ug/l	98
73) 1,3,5-Trimethylbenze	9.87	105	5793947	35.38 ug/l	99
74) 4-Chlorotoluene	9.91	91	6251284	32.95 ug/l	100
75) tert-Butylbenzene	10.13	119	5137752	35.78 ug/l	99
76) 1,2,4-Trimethylbenze	10.19	105	5924615	35.72 ug/l	99
77) sec-Butylbenzene	10.32	105	7124270	34.89 ug/l	100
78) 4-Isopropyltoluene	10.44	119	5856698	34.44 ug/l	98
79) 1,3-Dichlorobenzene	10.45	146	3239943	33.62 ug/l	98
80) 1,4-Dichlorobenzene	10.53	146	3342386	34.75 ug/l	100
81) n-Butylbenzene	10.77	91	5560556	36.29 ug/l	100
82) 1,2-Dichlorobenzene	10.84	146	2803961	35.44 ug/l	98
83) 1,2-Dibromo-3-Chloro	11.47	75	219548	46.95 ug/l	99
84) 1,2,4-Trichlorobenze	12.07	180	1743833	35.64 ug/l	99
85) Hexachlorobutadiene	12.15	225	738945	35.54 ug/l	98
86) Naphthalene	12.28	128	3110895	41.20 ug/l	100
87) 1,2,3-Trichlorobenze	12.47	180	1437583	37.97 ug/l	96

Analyst Signature:_____ Analyst Name:_____ Date:_____

REASONS FOR MANUAL INTEGRATIONS

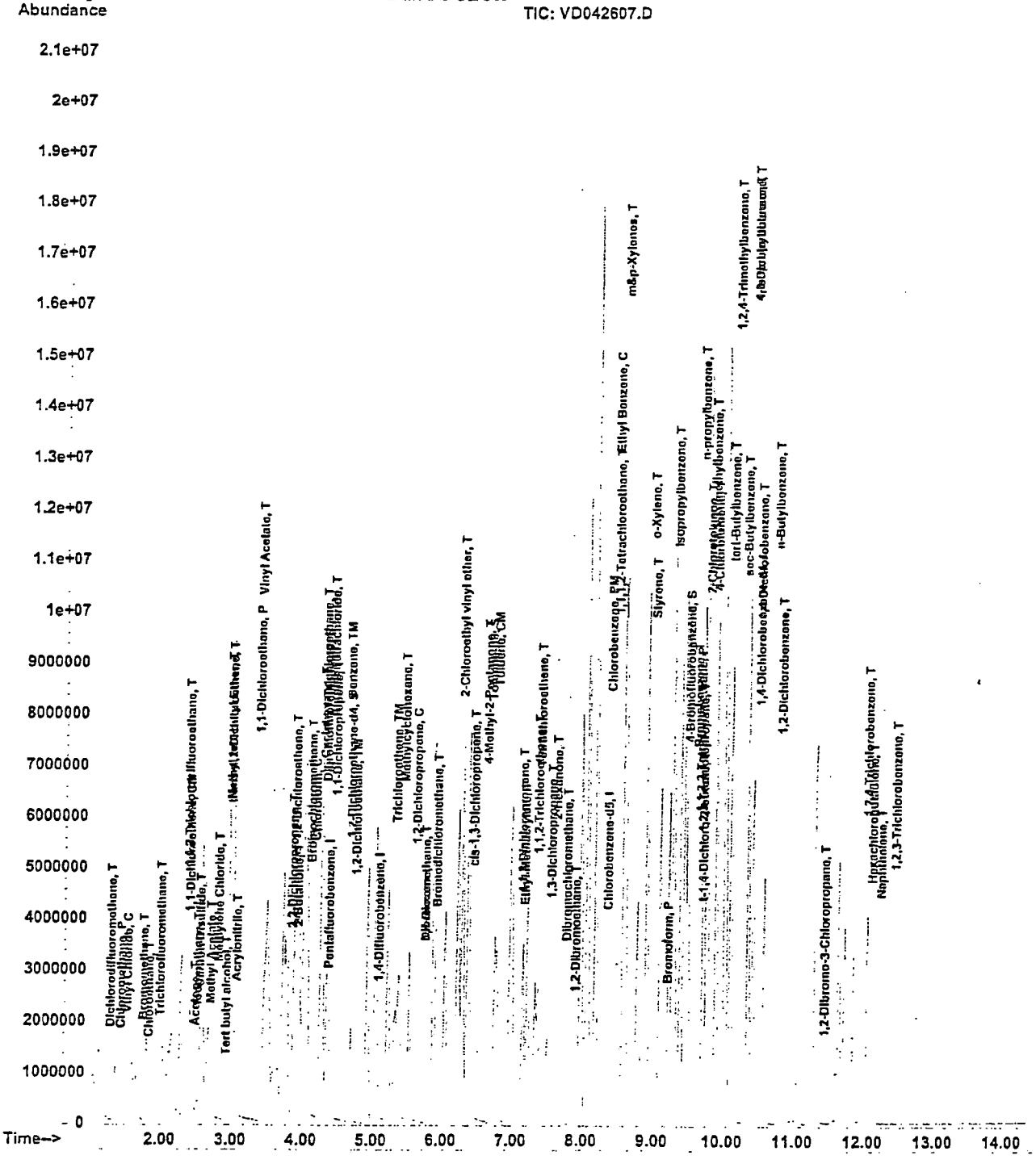
___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
___Peak integrated by software incorrectly.Compound #:_____
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: BRIJ
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 26 16:59 2004 Quant Results File: SAD0426W.RES

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration

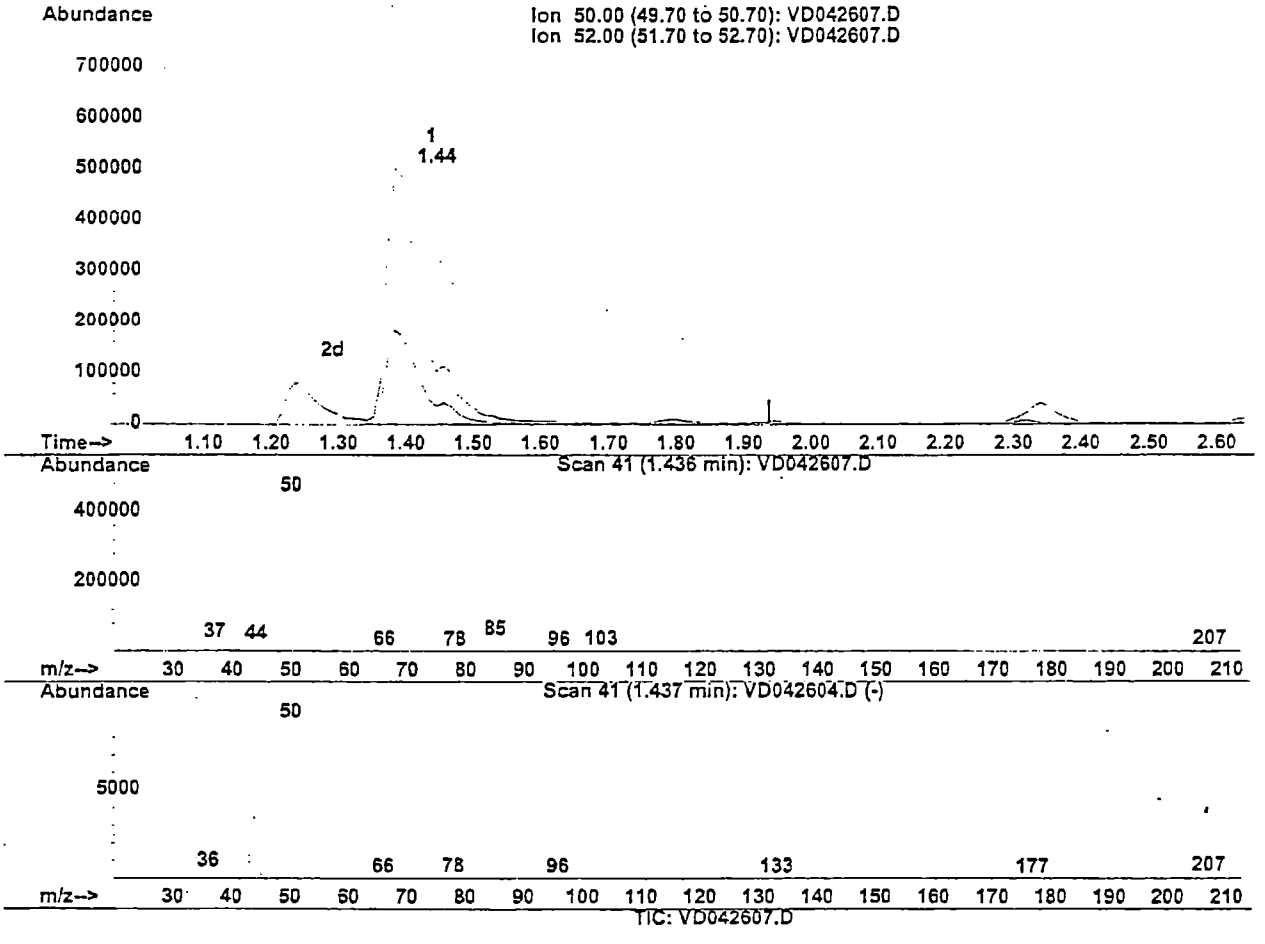


VD042607.D SAD0426W.M Mon Apr 26 17:07:26 2004 MSVOAPRO3 P

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604.VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: BRIT
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:57 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(3) Chloromethane (P)

1.44min 42.12ug/l

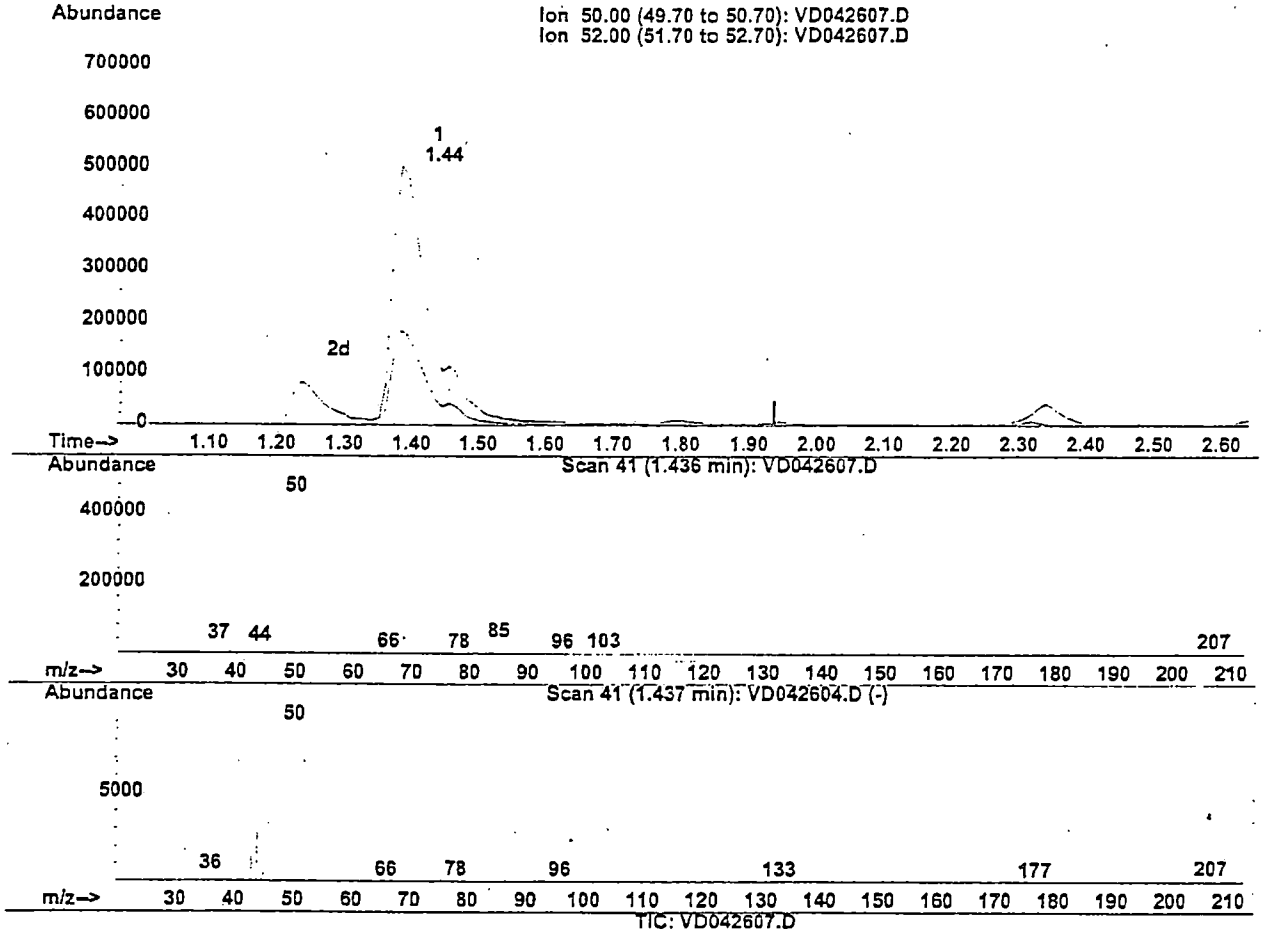
response 1898107

Ion	Exp%	Act%
50.00	100	100
52.00	38.60	36.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:10 pm Operator: BRIT
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:58 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(3) Chloromethane (P)

1.44min 37.60ug/l m

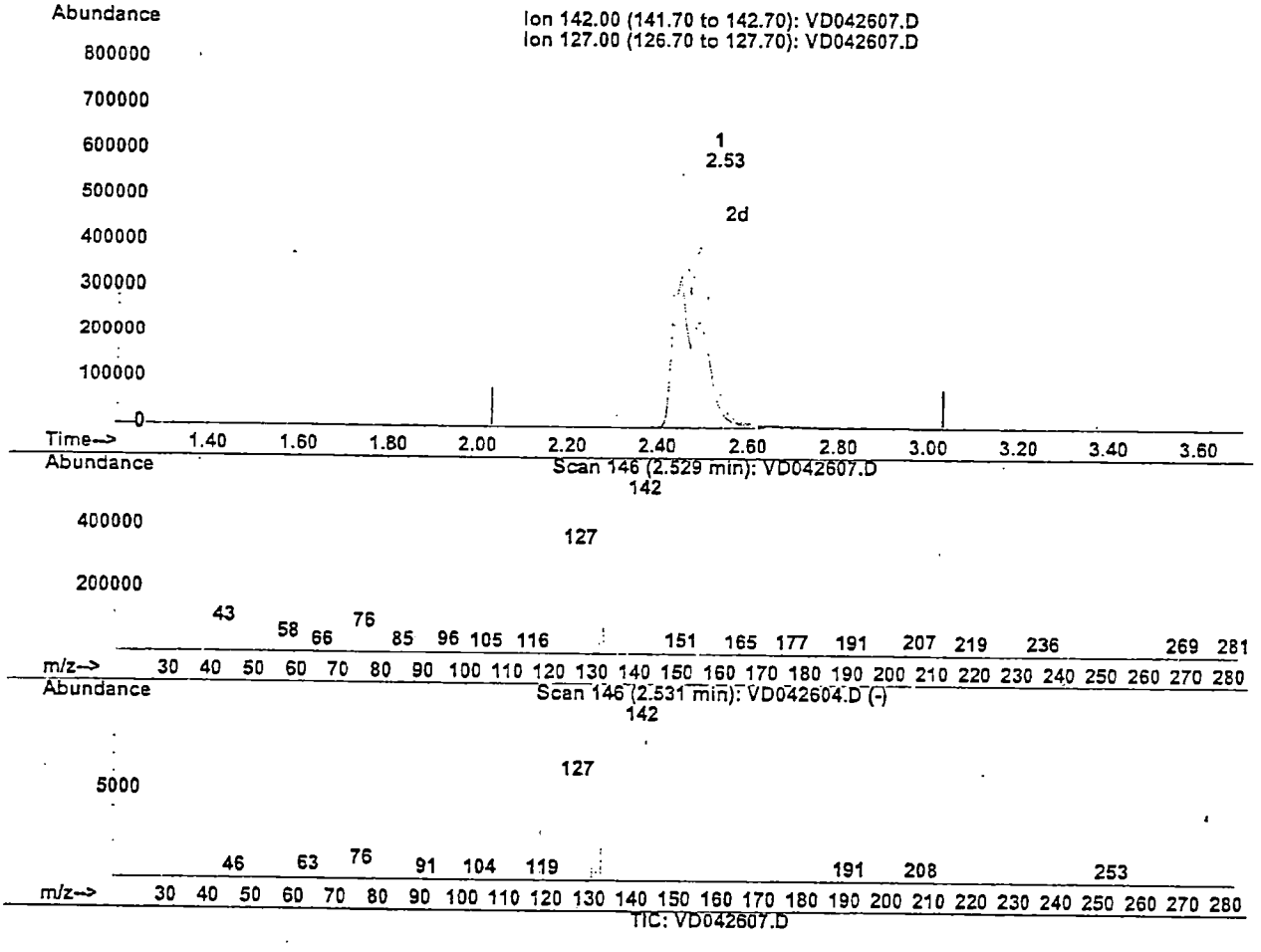
response 1694401

Ion	Exp%	Act%
50.00	100	100
52.00	38.60	36.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604.D\VD042607.D Vial: -
Acq On : 26 Apr 2004 4:13 pm Operator: BPIT
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:59 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration



(12) Iodomethane (T)

2.53min 16.96ug/l

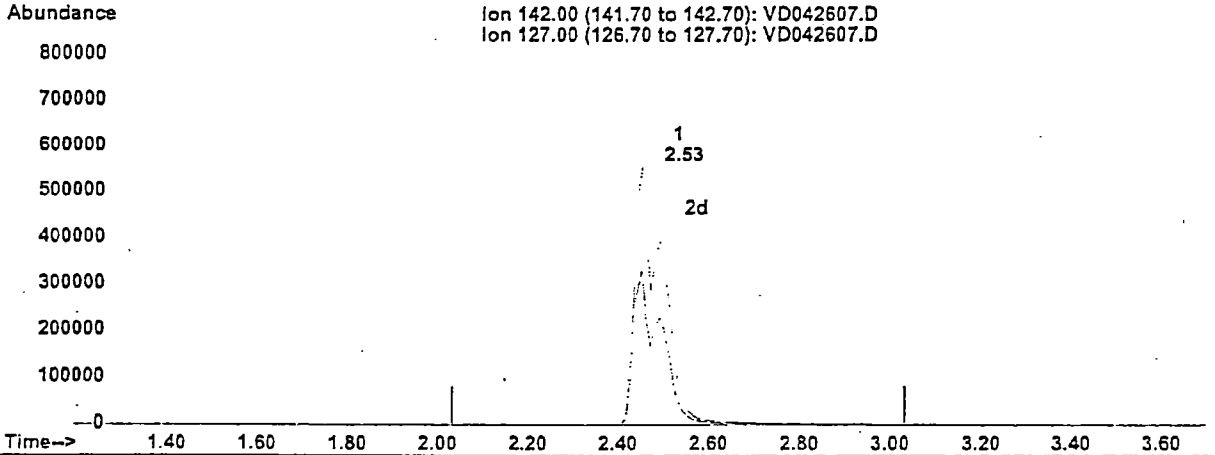
response 1180993

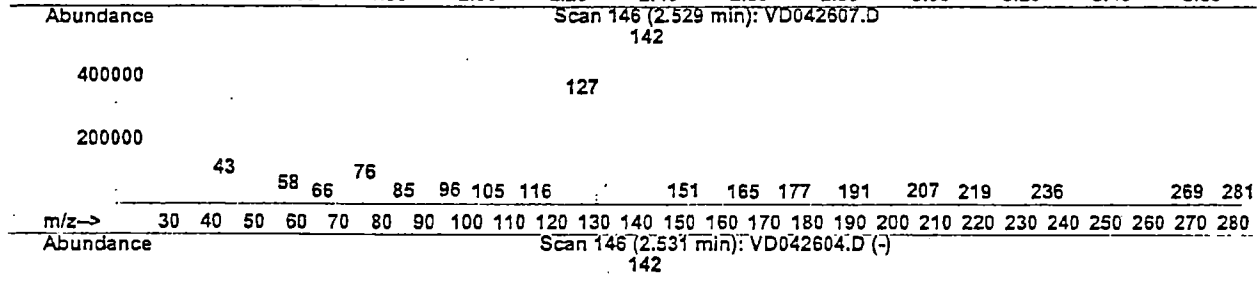
Ion	Exp%	Act%
142.00	100	100
127.00	55.70	59.49
0.00	0.00	0.00
0.00	0.00	0.00

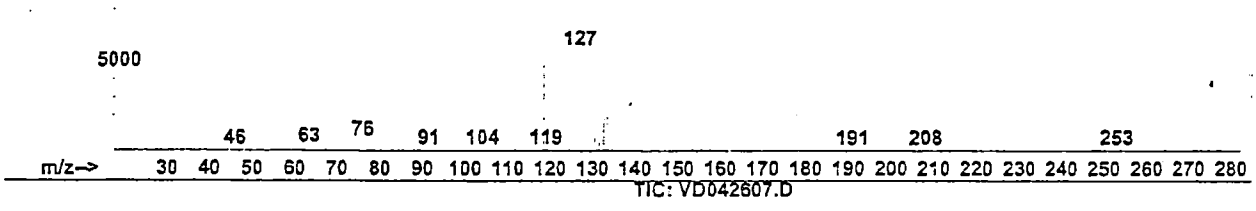
Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD042604\VD042607.D Vial: 7
Acq On : 26 Apr 2004 4:11 pm Operator: BRIT
Sample : 40 PPB ICC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 26 16:59 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 16:44:25 2004
Response via : Single Level Calibration







(12) Iodomethane (T)

2.53min 33.30ug/l m

response 2318509

Ion	Exp%	Act%
142.00	100	100
127.00	55.70	30.31#
0.00	0.00	0.00
0.00	0.00	0.00

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Consulting Group Contract: FOST01

Lab Code: CTECH Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID: MSVOAD Calibration Date/Time: 4/23/2004 07:09

Lab File ID: VD042302.D Init. Calib. Date(s): 4/19/2004 4/19/2004

Heated Purge: (Y/N) N Init. Calib. Time(s): 15:17 18:01

GC Column: RTX502.2 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.643	0.627	0.100	2.5	
Vinyl Chloride	0.573	0.565		1.4	20.0
Bromomethane	0.369	0.391		6.0	
Chloroethane	0.398	0.426		7.0	
1,1-Dichloroethene	0.425	0.423		0.5	20.0
Acetone	0.104	0.096		7.7	
Carbon Disulfide	0.769	0.912		18.6	
Methylene Chloride	0.513	0.531		3.5	
trans-1,2-Dichloroethene	0.490	0.490		0.0	
1,1-Dichloroethane	1.052	1.055	0.100	0.3	
2-Butanone	0.237	0.227		4.2	
Carbon Tetrachloride	0.518	0.543		4.8	
cis-1,2-Dichloroethene	0.619	0.599		3.2	
Chloroform	1.099	1.061		3.5	20.0
1,1,1-Trichloroethane	0.955	0.918		3.9	
Benzene	1.232	1.265		2.7	
1,2-Dichloroethane	0.455	0.459		0.9	
Trichloroethene	0.362	0.343		5.2	
1,2-Dichloropropane	0.361	0.373		3.3	20.0
Bromodichloromethane	0.485	0.485		0.0	
4-Methyl-2-Pentanone	0.229	0.227		0.9	
Toluene	0.843	0.837		0.7	20.0
t-1,3-Dichloropropene	0.420	0.416		1.0	
cis-1,3-Dichloropropene	0.514	0.506		1.6	
1,1,2-Trichloroethane	0.242	0.250		3.3	
2-Hexanone	0.158	0.157		0.6	
Dibromochloromethane	0.294	0.289		1.7	
Tetrachloroethene	0.388	0.318		18.0	
Chlorobenzene	1.028	0.979	0.300	4.8	
Ethyl Benzene	0.566	0.541		4.4	20.0
m&p-Xylenes	0.655	0.622		5.0	
o-Xylene	0.691	0.645		6.7	
Styrene	1.094	1.052		3.8	
Bromoform	0.190	0.185	0.100	2.6	
1,1,2,2-Tetrachloroethane	0.627	0.591	0.300	5.7	
1,2-Dichloroethane-d4	0.701	0.745		6.3	
Dibromofluoromethane	0.403	0.394		2.2	
Toluene-d8	1.226	1.178		3.9	
4-Bromofluorobenzene	0.519	0.516		0.6	

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH GC-MS Quantitation Report QC Reviewed

Data File : F:\1\DATA\MSVOAD\VD141314\VD141111.D Vial: 1
Acq. On : 23 Apr 2004 7:19 am Operator: BPCC
Sample : 11 PPB CCC Inst : 5971 MSD
Misc : 15ml Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 23 16:52 2004 Quant Results File: SAD0419W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.42	168	370947	10.00 ug/l	-0.01
31) 1,4-Difluorobenzene	5.13	114	580150	10.00 ug/l	-0.01
57) Chlorobenzene-d5	8.37	117	533125	10.00 ug/l	-0.01
66) 1,4-Dichlorobenzene-	10.50	152	300959	10.00 ug/l	-0.01
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.74	65	276386	10.63 ug/l	0.00
Spiked Amount 10.000			Recovery	= 106.30%	
32) Dibromofluoromethane	4.39	113	228658	9.78 ug/l	-0.01
Spiked Amount 10.000			Recovery	= 97.80%	
43) Toluene-d8	6.71	98	683639	9.61 ug/l	-0.02
Spiked Amount 10.000			Recovery	= 96.10%	
56) 4-Bromofluorobenzene	9.50	95	299457	9.95 ug/l	-0.01
Spiked Amount 10.000			Recovery	= 99.50%	
Target Compounds					Qvalue
2) Dichlorodifluorometh	1.44	85	238829	10.59 ug/l	98
3) Chloromethane	1.59	50	232602	9.75 ug/l	97
4) Vinyl Chloride	1.69	62	209647	9.87 ug/l	89
5) Bromomethane	1.93	94	145029	10.61 ug/l	99
6) Chloroethane	1.95	64	157886	10.70 ug/l	99
7) Trichlorofluorometha	2.17	101	316240m	9.57 ug/l	
8) 1,1,2-Trichlorotrifl	2.48	101	210446	10.91 ug/l #	66
10) Tert butyl alcohol	3.00	59	57472	45.42 ug/l	100
11) 1,1-Dichloroethene	2.48	96	156814	9.95 ug/l	89
12) Iodomethane	2.62	142	266612	10.60 ug/l	100
13) Acrolein	4.46	56	465581	48.21 ug/l	99
14) Acrylonitrile	3.15	53	193911	49.75 ug/l	99
15) Acetone	2.56	43	178661	46.31 ug/l #	83
16) Carbon Disulfide	2.66	76	338265	11.87 ug/l	98
17) Methyl Acetate	2.79	43	127775	9.64 ug/l	96
18) Methyl tert-butyl Et	3.06	73	443864	9.39 ug/l	95
19) Methylene Chloride	2.90	84	197083	10.35 ug/l	97
20) trans-1,2-Dichloroet	3.07	96	181883	9.99 ug/l	98
21) Vinyl Acetate	3.46	43	1695016	51.79 ug/l	99
22) 1,1-Dichloroethane	3.45	63	391249	10.02 ug/l	99

Analyst Signature: MD Analyst Name: _____ Date: 04/27/04

REASONS FOR MANUAL INTEGRATIONS

✓ Poor resolution of peaks exhibited on chromatogram. Compound #: 7

___ Peak integrated by software incorrectly. Compound #: _____

___ OTHER: _____ Compound #: _____

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

CHEMTECH GC-MS Quantitation Report - NI Reviewed

Data File : P:\1\DATA\MSVOAD\VD042314\VD042311.D Vial: 1
Acq On : 23 Apr 2004 7:19 am Operator: BPIT
Sample : 10 PPB CCC Inst : 3971 MSI
Misc : 10ml Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 23 13:52 2004 Quant Results File: SAD0419W.RES

Quant Method : P:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Butanone	3.98	43	421394	47.96 ug/l	99
24) 2,2-Dichloropropane	3.95	77	340196	10.04 ug/l	99
25) cis-1,2-Dichloroethe	3.96	96	222237	9.68 ug/l	98
26) Bromochloromethane	4.17	49	237333	10.51 ug/l	99
27) Chloroform	4.24	83	393574	9.66 ug/l	94
28) Cyclohexane	4.36	56	377704	9.65 ug/l	93
29) 1,1,1-Trichloroethan	4.38	97	340512	9.62 ug/l #	99
33) 1,1-Dichloropropene	4.52	75	278522	10.18 ug/l	99
34) Carbon Tetrachloride	4.50	117	315282	10.49 ug/l	96
35) Methylcyclohexane	5.50	83	339008	10.03 ug/l	98
36) Benzene	4.71	78	734134	10.27 ug/l	100
37) 1,2-Dichloroethane	4.81	62	266561	10.10 ug/l	98
38) Trichloroethene	5.37	130	198828	9.46 ug/l	97
39) 1,2-Dichloropropane	5.66	63	216569	10.33 ug/l	92
40) Dibromomethane	5.79	93	110148	10.23 ug/l	99
41) 1,4-Dioxane	5.79	88	20445	212.84 ug/l	98
42) Bromodichloromethane	5.95	83	281648	10.02 ug/l	92
44) 4-Methyl-2-Pentanone	6.65	43	658305	49.47 ug/l	99
45) t-1,4-Dichloro-2-but	9.73	53	75104m	11.06 ug/l	
46) Toluene	6.80	92	485442	9.92 ug/l	97
47) t-1,3-Dichloropropen	7.17	75	241209	9.90 ug/l	99
48) cis-1,3-Dichloroprop	6.46	75	293400	9.84 ug/l	100
49) Ethyl Methacrylate	7.20	69	190196	9.79 ug/l	98
50) 1,1,2-Trichloroethan	7.38	97	144896	10.34 ug/l	98
51) 1,3-Dichloropropane	7.58	76	261126	10.32 ug/l	99
52) 2-Chloroethyl vinyl	6.30	63	439907	49.71 ug/l	97
53) 2-Hexanone	7.64	43	456070	49.84 ug/l	99
54) Dibromochloromethane	7.78	129	167520	9.81 ug/l	94
55) 1,2-Dibromoethane	7.91	107	131443	9.64 ug/l	97
58) Tetrachloroethene	7.41	164	169681	8.21 ug/l	93
59) Chlorobenzene	8.40	112	521995	9.52 ug/l	98
60) 1,1,1,2-Tetrachloroe	8.49	131	202080	9.36 ug/l	97
61) Ethyl Benzene	8.47	106	288334	9.56 ug/l	100
62) m&p-Xylenes	8.60	106	663459	18.99 ug/l	99
63) o-Xylene	8.99	106	344082	9.35 ug/l	100
64) Styrene	9.01	104	560650	9.62 ug/l	99

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
✓ Peak integrated by software incorrectly.Compound #: ws
___OTHER:_____Compound #:_____

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

CHEMTECH GC-MS Identification Report QC Reviewed

Data File : F:\1\DATA\MSVOAL\VD042302.D Vial: 2
Acq On : 23 Apr 2004 Operator: BRIT
Sample : 10 PPB STD Inst : 5971 MSD
Misc : 10ml Multiple: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 23 13:52 2004 Quant Results File: SAD0419W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
65)	Bromoform	9.22	173	98641	9.75 ug/l		97
67)	Isopropylbenzene	9.31	105	890722	9.03 ug/l		100
68)	1,1,2,2-Tetrachloroe	9.67	83	178002	9.43 ug/l		95
69)	1,2,3-Trichloropropa	9.72	75	191730	9.28 ug/l	#	100
70)	Bromobenzene	9.63	156	216025	8.90 ug/l		94
71)	n-propylbenzene	9.69	91	1086974	9.07 ug/l		99
72)	2-Chlorotoluene	9.79	91	700240	8.93 ug/l		99
73)	1,3,5-Trimethylbenze	9.86	105	769975	9.02 ug/l		97
74)	4-Chlorotoluene	9.90	91	839495	9.23 ug/l		100
75)	tert-Butylbenzene	10.13	119	643600	8.84 ug/l		98
76)	1,2,4-Trimethylbenze	10.18	105	781244	8.91 ug/l		99
77)	sec-Butylbenzene	10.30	105	947890	8.91 ug/l		98
78)	4-Isopropyltoluene	10.43	119	782186	8.91 ug/l		99
79)	1,3-Dichlorobenzene	10.44	146	423637	9.06 ug/l		99
80)	1,4-Dichlorobenzene	10.52	146	440783	8.96 ug/l		99
81)	n-Butylbenzene	10.76	91	774659	8.91 ug/l		99
82)	1,2-Dichlorobenzene	10.83	146	382728	9.05 ug/l		97
83)	1,2-Dibromo-3-Chloro	11.46	75	31082	8.75 ug/l		98
84)	1,2,4-Trichlorobenze	12.06	180	261216	8.76 ug/l		95
85)	Hexachlorobutadiene	12.13	225	126134	8.43 ug/l		96
86)	Naphthalene	12.27	128	404238	8.67 ug/l		100
87)	1,2,3-Trichlorobenze	12.47	180	216011	8.54 ug/l		98

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak integrated by software incorrectly.Compound #:_____

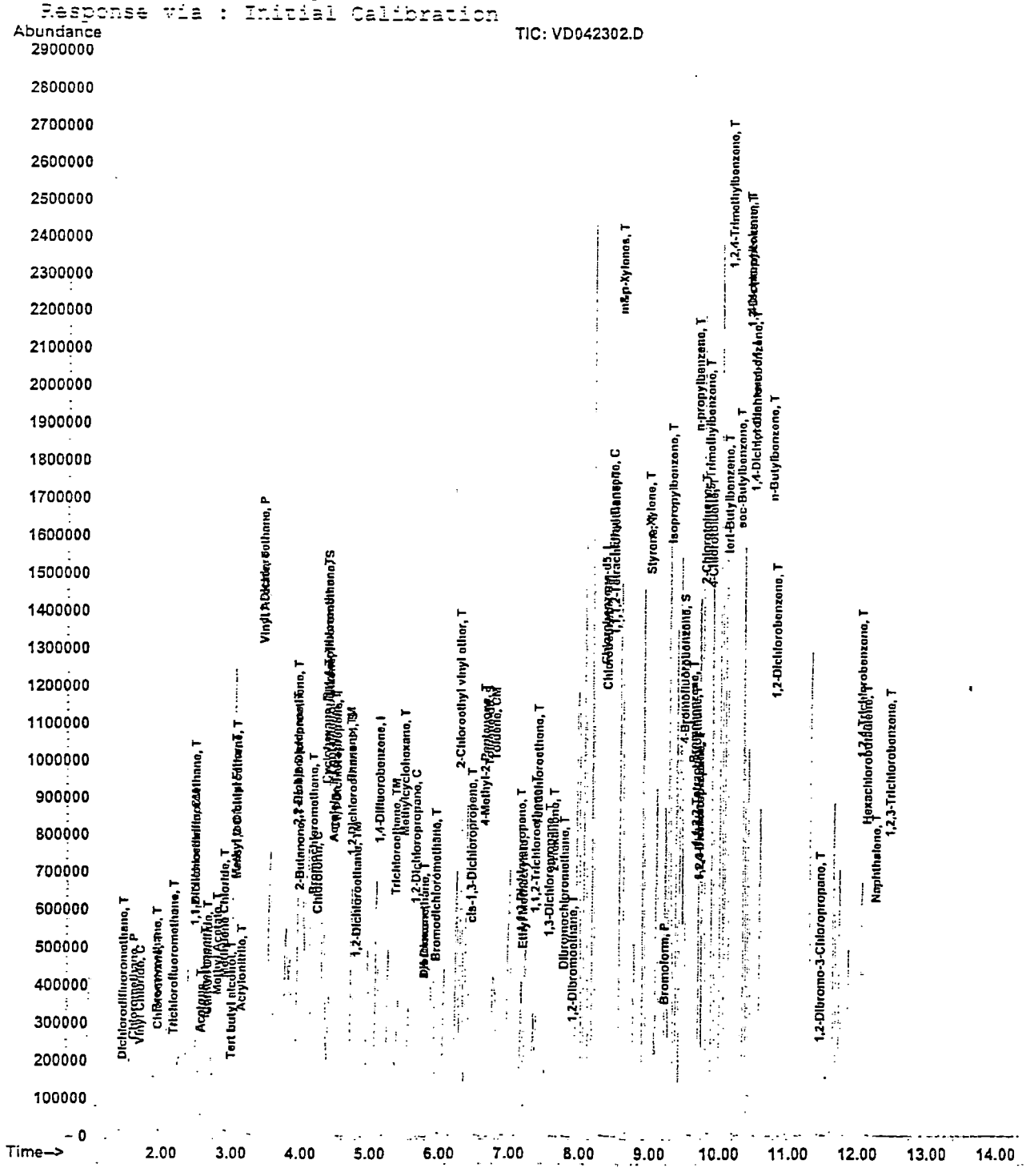
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOAD\VD041304\VD041311.D Vial: 1
Acq On : 13 Apr 2004 7:09 am Operator: BPIT
Sample : 10 PPB CCC Inst : 5971 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 23 13:52 2004 Quant Results File: SAD0419W.RES

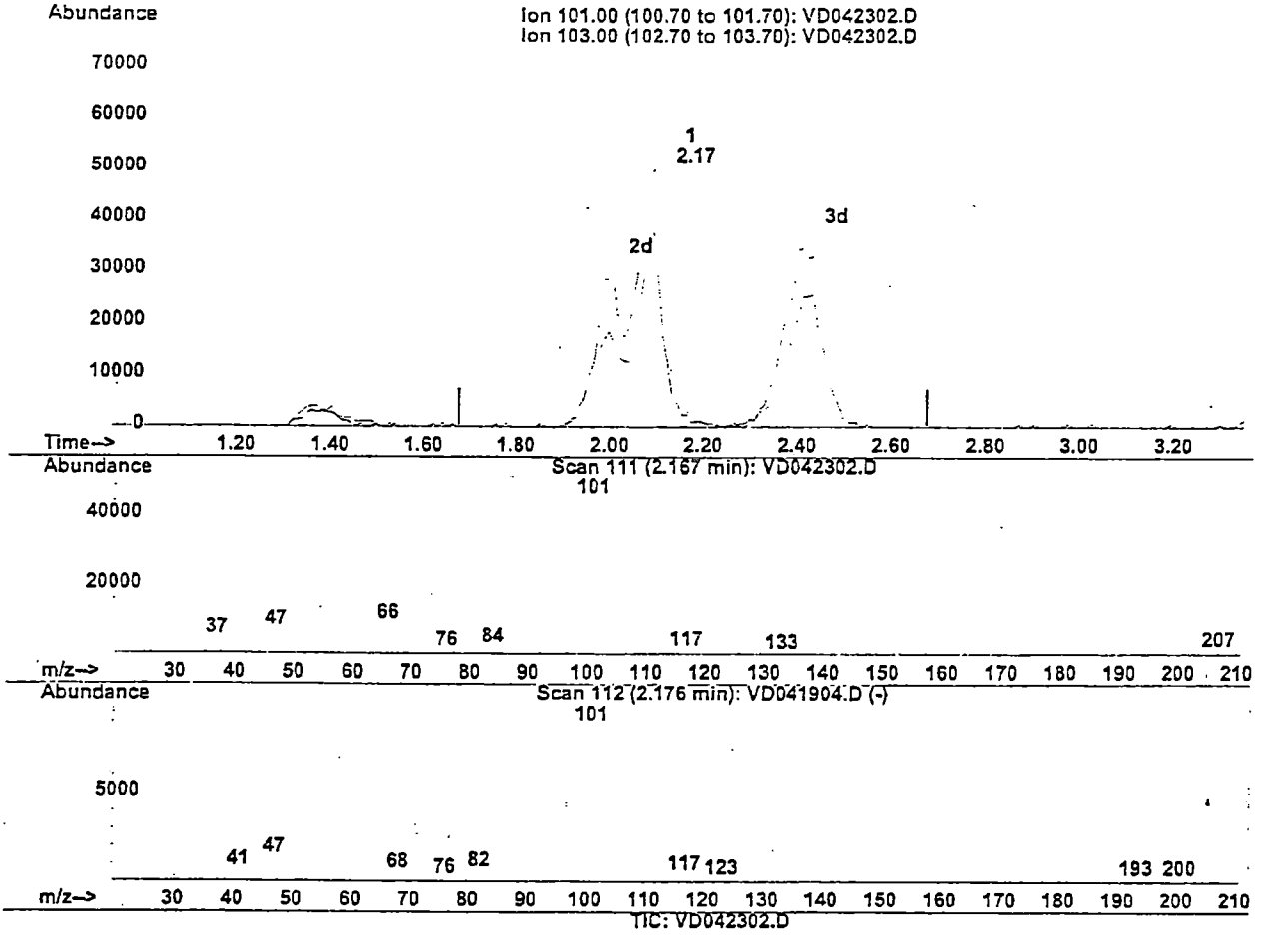
Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SX346 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Initial Calibration



Quantitation Report

Data File : F:\1\DATA\MSVOA2\VD1413.D VD1411.D Vial: 2
Acq. On : 13 Apr 2004 7:19 pm Operator: SPIT
Sample : 10 PPB CCC Inst : 5971 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 13 18:52 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0413W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane (T)

2.17min 9.57ug/l m

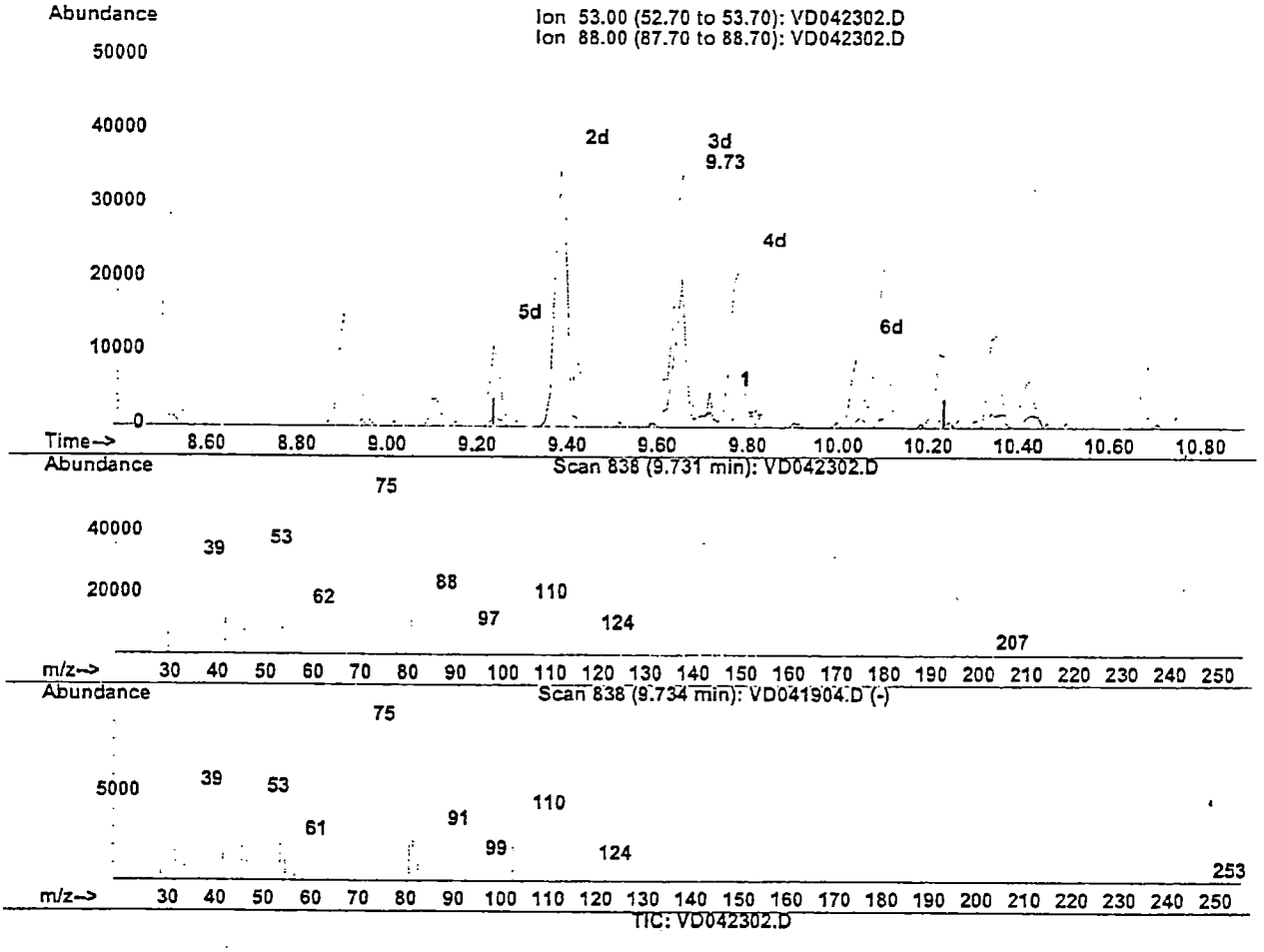
response 316240

Ion	Exp%	Act%
101.00	100	100
103.00	67.80	74.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : F:\1\DATA\MSVOA2\VD041914\VD041911.D Vial: 1
Acq TM : 19 Apr 2004 7:19 am Operator: BRIT
Sample : 10 ppb DCB Inst : 5971 MSD
Misc : 10mL Multiplr: 1.00
Quant Time: Apr 23 18:51 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Multiple Level Calibration



(45) t-1,4-Dichloro-2-butene (T)

9.73min 11.06ug/l m

response 75104

Ion	Exp%	Act%
53.00	100	100
88.00	111.20	3.82#
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOAD\V0142302.D Vial: 1
Acq On : 23 Apr 2004 7:19 am Operator: SPIT
Sample : 10 PPB CCC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	-0.01
2	T	Dichlorodifluoromethane	0.608	0.644	-5.9	100	-0.01
3	P	Chloromethane	0.643	0.627	2.5	96	-0.01
4	C	Vinyl Chloride	0.572	0.565	1.2#	99	-0.01
5	T	Bromomethane	0.369	0.391	-6.0	108	0.00
6	T	Chloroethane	0.398	0.426	-7.0	106	0.00
7	T	Trichlorofluoromethane	0.891	0.853	4.3	93	0.00
8	T	1,1,2-Trichlorotrifluoroeth	0.520	0.567	-9.0	99	-0.02
9		Ethanol	0.000	0.000#	0.0	0#	-3.60#
10	T	Tert butyl alcohol	0.034	0.031	8.8	84	0.00
11	CM	1,1-Dichloroethene	0.425	0.423	0.5#	94	-0.02
12	T	Iodomethane	0.678	0.719	-6.0	96	-0.01
13	T	Acrolein	0.260	0.251	3.5	94	-0.01
14	T	Acrylonitrile	0.105	0.105	0.0	93	0.00
15	T	Acetone	0.104	0.096	7.7	94	-0.01
16	T	Carbon Disulfide	0.769	0.912	-18.6	106	0.00
17	T	Methyl Acetate	0.357	0.344	3.6	86	0.00
18	T	Methyl tert-butyl Ether	1.274	1.197	6.0	87	-0.01
19	T	Methylene Chloride	0.513	0.531	-3.5	101	0.00
20	T	trans-1,2-Dichloroethene	0.491	0.490	0.2	94	-0.01
21	T	Vinyl Acetate	0.882	0.914	-3.6	95	0.00
22	P	1,1-Dichloroethane	1.052	1.055	-0.3	93	0.00
23	T	2-Butanone	0.237	0.227	4.2	91	-0.02
24	T	2,2-Dichloropropane	0.914	0.917	-0.3	95	0.00
25	T	cis-1,2-Dichloroethene	0.619	0.599	3.2	93	-0.02
26	T	Bromochloromethane	0.609	0.640	-5.1	98	-0.02
27	C	Chloroform	1.099	1.061	3.5#	91	0.00
28	T	Cyclohexane	1.055	1.018	3.5	94	-0.02
29	T	1,1,1-Trichloroethane	0.955	0.918	3.9	92	-0.01
30	S	1,2-Dichloroethane-d4	0.701	0.745	-6.3	106	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	-0.01
32	S	Dibromofluoromethane	0.403	0.394	2.2	95	-0.01
33	T	1,1-Dichloropropene	0.472	0.480	-1.7	94	0.00
34	T	Carbon Tetrachloride	0.518	0.543	-4.8	92	-0.02
35	T	Methylcyclohexane	0.582	0.584	-0.3	93	-0.02
36	TM	Benzene	1.232	1.265	-2.7	94	0.00
37	TM	1,2-Dichloroethane	0.455	0.459	-0.9	92	0.00
38	TM	Trichloroethene	0.362	0.343	5.2	86	-0.01
39	C	1,2-Dichloropropane	0.361	0.373	-3.3#	94	-0.01
40	T	Dibromomethane	0.186	0.190	-2.2	93	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOAD\VD042302.D Vial: 1
Acq On : 23 Apr 2004 7:19 am Operator: EPIC
Sample : 20 PPB CCC Inst : 5973 MSD
Misc : 25ml Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		1,4-Dioxane	0.002	0.002#	0.0	86	-0.02
42	T	Bromodichloromethane	0.484	0.485	-0.2	88	-0.02
43	S	Toluene-d8	1.226	1.178	3.9	95	-0.02
44	T	4-Methyl-2-Pentanone	0.229	0.227	0.9	88	0.00
45	T	t-1,4-Dichloro-2-butene	0.117	0.129	-10.3	94	0.00
46	CM	Toluene	0.844	0.837	0.8#	91	-0.01
47	T	t-1,3-Dichloropropene	0.420	0.416	1.0	88	-0.01
48	T	cis-1,3-Dichloropropene	0.514	0.506	1.6	89	-0.02
49	T	Ethyl Methacrylate	0.335	0.328	2.1	87	-0.01
50	T	1,1,2-Trichloroethane	0.242	0.250	-3.3	93	-0.01
51	T	1,3-Dichloropropane	0.436	0.450	-3.2	94	-0.01
52	T	2-Chloroethyl vinyl ether	0.153	0.152	0.7	88	-0.02
53	T	2-Hexanone	0.158	0.157	0.6	89	0.00
54	T	Dibromochloromethane	0.294	0.289	1.7	85	-0.01
55	T	1,2-Dibromoethane	0.235	0.227	3.4	87	-0.01
56	S	4-Bromofluorobenzene	0.519	0.516	0.6	96	-0.01
57	I	Chlorobenzene-d5	1.000	1.000	0.0	99	-0.01
58	T	Tetrachloroethene	0.388	0.318	18.0	82	-0.02
59	PM	Chlorobenzene	1.028	0.979	4.8	89	-0.01
60	T	1,1,1,2-Tetrachloroethane	0.405	0.379	6.4	88	-0.01
61	C	Ethyl Benzene	0.566	0.541	4.4#	91	-0.01
62	T	m&p-Xylenes	0.655	0.622	5.0	89	-0.01
63	T	o-Xylene	0.691	0.645	6.7	89	0.00
64	T	Styrene	1.094	1.052	3.8	89	-0.01
65	P	Bromoform	0.190	0.185	2.6	90	-0.01
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	-0.01
67	T	Isopropylbenzene	3.278	2.960	9.7	88	-0.01
68	P	1,1,2,2-Tetrachloroethane	0.627	0.591	5.7	92	-0.01
69	T	1,2,3-Trichloropropane	0.687	0.637	7.3	90	0.00
70	T	Bromobenzene	0.807	0.718	11.0	85	-0.01
71	T	n-propylbenzene	3.982	3.612	9.3	90	-0.01
72	T	2-Chlorotoluene	2.607	2.327	10.7	89	-0.01
73	T	1,3,5-Trimethylbenzene	2.837	2.558	9.8	88	0.00
74	T	4-Chlorotoluene	3.022	2.789	7.7	90	0.00
75	T	tert-Butylbenzene	2.419	2.138	11.6	88	0.00
76	T	1,2,4-Trimethylbenzene	2.912	2.596	10.9	88	-0.01
77	T	sec-Butylbenzene	3.535	3.150	10.9	87	-0.01
78	T	4-Isopropyltoluene	2.916	2.599	10.9	87	-0.01
79	T	1,3-Dichlorobenzene	1.553	1.408	9.3	87	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOA\VD041[illegible]\VD141111.D Vial: 1
Acq TM : 13 Apr 2004 7:[illegible] am Operator: BPIT
Sample : 10 PPB CCC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0419W.M (RTE Integrator)
Title : SW846 8260
Last Update : Thu Apr 22 13:50:15 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	1,4-Dichlorobenzene	1.634	1.465	10.3	89	-0.01
81	T	n-Butylbenzene	2.887	2.574	10.8	86	-0.01
82	T	1,2-Dichlorobenzene	1.405	1.272	9.5	86	-0.01
83	T	1,2-Dibromo-3-Chloropropane	0.118	0.103	12.7	86	-0.01
84	T	1,2,4-Trichlorobenzene	0.990	0.868	12.3	84	-0.01
85	T	Hexachlorobutadiene	0.497	0.419	15.7	82	-0.02
86	T	Naphthalene	1.549	1.343	13.3	83	0.00
87	T	1,2,3-Trichlorobenzene	0.841	0.718	14.6	81	-0.02

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Consulting Group Contract: FOST01

Lab Code: CTECH Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID: MSVOAD Calibration Date/Time: 4/26/2004 19:17

Lab File ID: VD042611.D Init. Calib. Date(s): 4/26/2004 4/26/2004

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 16:10

GC Column: RTX502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.496	0.444	0.100	10.5	
Vinyl Chloride	0.507	0.509		0.4	20.0
Bromomethane	0.340	0.286		15.9	
Chloroethane	0.340	0.326		4.1	
1,1-Dichloroethene	0.418	0.473		13.2	20.0
Acetone	0.083	0.080		3.6	
Carbon Disulfide	0.733	0.729		0.5	
Methylene Chloride	0.483	0.487		0.8	
trans-1,2-Dichloroethene	0.458	0.444		3.1	
1,1-Dichloroethane	0.844	1.125	0.100	33.3	
2-Butanone	0.180	0.193		7.2	
Carbon Tetrachloride	0.423	0.422		0.2	
cis-1,2-Dichloroethene	0.534	0.563		5.4	
Chloroform	0.908	0.990		9.0	20.0
1,1,1-Trichloroethane	0.696	0.921		32.3	
Benzene	1.101	1.149		4.4	
1,2-Dichloroethane	0.376	0.403		7.2	
Trichloroethene	0.362	0.365		0.8	
1,2-Dichloropropane	0.309	0.329		6.5	20.0
Bromodichloromethane	0.389	0.408		4.9	
4-Methyl-2-Pentanone	0.175	0.198		13.1	
Toluene	0.757	0.781		3.2	20.0
t-1,3-Dichloropropene	0.342	0.362		5.8	
cis-1,3-Dichloropropene	0.418	0.448		7.2	
1,1,2-Trichloroethane	0.218	0.223		2.3	
2-Hexanone	0.120	0.135		12.5	
Dibromochloromethane	0.226	0.206		8.8	
Tetrachloroethene	0.425	0.393		7.5	
Chlorobenzene	0.983	0.987	0.300	0.4	
Ethyl Benzene	0.526	0.561		6.7	20.0
m&p-Xylenes	0.627	0.635		1.3	
o-Xylene	0.619	0.666		7.6	
Styrene	1.001	1.059		5.8	
Bromoform	0.118	0.090	0.100	23.7	
1,1,2,2-Tetrachloroethane	0.543	0.573	0.300	5.5	
1,2-Dichloroethane-d4	0.489	0.558		14.1	
Dibromofluoromethane	0.345	0.363		5.2	
Toluene-d8	0.999	1.135		13.6	
4-Bromofluorobenzene	0.379	0.424		11.9	

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH GC-MS Quantitation Report QT Reviewed

Data File : F:\1\DATA\MSVOAD\VD042611 VD042611.D Vial: 1
Acq On : 27 Apr 2004 7:17 pm Operator: BPCC
Sample : 10 PPB ICC Inst : 5970 MSD
Misc : 25ml Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 11:30 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	4.40	168	716026	10.00 ug/l	0.02
31) 1,4-Difluorobenzene	5.12	114	1138806	10.00 ug/l	0.01
57) Chlorobenzene-d5	8.38	117	952763	10.00 ug/l	0.00
66) 1,4-Dichlorobenzene-	10.52	152	444615	10.00 ug/l	0.01
System Monitoring Compounds					
30) 1,2-Dichloroethane-d	4.71	65	399516	11.42 ug/l	0.00
Spiked Amount 10.000			Recovery	= 114.20%	
32) Dibromofluoromethane	4.37	113	413949	10.54 ug/l	0.01
Spiked Amount 10.000			Recovery	= 105.40%	
43) Toluene-d8	6.72	98	1292853	11.37 ug/l	0.02
Spiked Amount 10.000			Recovery	= 113.70%	
56) 4-Bromofluorobenzene	9.52	95	483347	11.19 ug/l	0.01
Spiked Amount 10.000			Recovery	= 111.90%	

Target Compounds					Qvalue
2) Dichlorodifluorometh	1.30	85	388835	10.20 ug/l	96
3) Chloromethane	1.45	50	317718	8.94 ug/l	100
4) Vinyl Chloride	1.53	62	364802	10.05 ug/l	95
5) Bromomethane	1.79	94	204570	8.39 ug/l	89
6) Chloroethane	1.87	64	233133	9.57 ug/l	95
7) Trichlorofluorometha	2.00	101	321544	8.94 ug/l	93
8) 1,1,2-Trichlorotrifl	2.41	101	329511	10.36 ug/l	95
10) Tert butyl alcohol	2.92	59	113905	53.05 ug/l	100
11) 1,1-Dichloroethene	2.40	96	338590	11.31 ug/l	96
12) Iodomethane	2.54	142	452271	9.16 ug/l	92
13) Acrolein	4.44	56	818973	53.23 ug/l #	90
14) Acrylonitrile	3.09	53	308796	50.13 ug/l	97
15) Acetone	2.50	43	287473	48.19 ug/l	93
16) Carbon Disulfide	2.57	76	522219	9.96 ug/l	96
17) Methyl Acetate	2.73	43	204750	10.09 ug/l	95
18) Methyl tert-butyl Et	2.99	73	673216	10.54 ug/l	99
19) Methylene Chloride	2.83	84	348539	10.08 ug/l	95
20) trans-1,2-Dichloroet	3.01	96	317980	9.69 ug/l	91
21) Vinyl Acetate	3.42	43	2850873	57.20 ug/l	97
22) 1,1-Dichloroethane	3.40	63	805502	13.33 ug/l	98

Analyst Signature: MD Analyst Name: _____ Date: 4/28/04

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #: _____
___Peak integrated by software incorrectly.Compound #: _____
___OTHER: _____ Compound #: _____

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

CHEMSTATION GC-MS Quantitation Report QT Reviewed

Data File : F:\1\DATA\MSVOAD\VD042611.D Vial: 1
Acq On : 26 Apr 2004 7:17 pm Operator: SPCC
Sample : 10 PPB CCC Inst : 5970 MSD
Misc : 10mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 11:30 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) 2-Butanone	3.95	43	692162	53.76 ug/l	95
24) 2,2-Dichloropropane	3.88	77	420398	10.78 ug/l	96
25) cis-1,2-Dichloroethe	3.92	96	403351	10.55 ug/l	98
26) Bromochloromethane	4.14	49	292534	10.00 ug/l #	91
27) Chloroform	4.21	83	708839	10.91 ug/l	99
28) Cyclohexane	4.32	56	605236	11.00 ug/l	94
29) 1,1,1-Trichloroethan	4.34	97	659351	13.23 ug/l	99
33) 1,1-Dichloropropene	4.49	75	511150	10.44 ug/l	99
34) Carbon Tetrachloride	4.46	117	480976	9.98 ug/l	98
35) Methylcyclohexane	5.47	83	603197	10.79 ug/l	95
36) Benzene	4.69	78	1308769	10.44 ug/l	100
37) 1,2-Dichloroethane	4.80	62	458641	10.71 ug/l	97
38) Trichloroethene	5.36	130	415939	10.09 ug/l	89
39) 1,2-Dichloropropane	5.65	63	374708	10.64 ug/l	97
40) Dibromomethane	5.79	93	196912	10.22 ug/l	95
41) 1,4-Dioxane	5.79	88	37809	242.97 ug/l	88
42) Bromodichloromethane	5.95	83	465178	10.49 ug/l	96
44) 4-Methyl-2-Pentanone	6.65	43	1130213	56.71 ug/l	100
45) t-1,4-Dichloro-2-but	9.74	53	39449m	10.08 ug/l	
46) Toluene	6.80	92	889159	10.32 ug/l	99
47) t-1,3-Dichloropropen	7.17	75	411897	10.57 ug/l	94
48) cis-1,3-Dichloroprop	6.47	75	510608	10.73 ug/l	100
49) Ethyl Methacrylate	7.21	69	351422	10.91 ug/l	96
50) 1,1,2-Trichloroethan	7.39	97	254230	10.25 ug/l	95
51) 1,3-Dichloropropane	7.58	76	472672	10.97 ug/l	97
52) 2-Chloroethyl vinyl	6.31	63	791483	55.32 ug/l	95
53) 2-Hexanone	7.65	43	770167	56.62 ug/l	97
54) Dibromochloromethane	7.79	129	234379	9.10 ug/l	97
55) 1,2-Dibromoethane	7.92	107	243341	10.01 ug/l	98
58) Tetrachloroethene	7.42	164	374883	9.25 ug/l	91
59) Chlorobenzene	8.40	112	939987	10.04 ug/l	96
60) 1,1,1,2-Tetrachloroe	8.51	131	359799	10.52 ug/l	95
61) Ethyl Benzene	8.49	106	534565	10.67 ug/l	100
62) m&p-Xylenes	8.61	106	1209957	20.25 ug/l	93
63) o-Xylene	9.00	106	634068	10.76 ug/l	96
64) Styrene	9.03	104	1008782	10.58 ug/l	96

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____
✓ Peak integrated by software incorrectly.Compound #: 63
___OTHER:_____Compound #:_____

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

CHEMTECH GC-MS Quantitation Report QT Reviewed

Data File : F: 1 DATA MSVOAD VD042614 VD042611.D Vial: 1
Acq On : 26 Apr 2004 7:17 pm Operator: BRIT
Sample : 10 PPB CCC Inst : 5971 MSD
Misc : 10ml Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 11:30 2004 Quant Results File: SAD0426W.RES

Quant Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration
DataAcq Meth : VD_VOC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
65)	Bromoform	9.23	173	86127	7.64 ug/l	99
67)	Isopropylbenzene	9.33	105	1560036	11.06 ug/l	99
68)	1,1,2,2-Tetrachloroe	9.68	83	254972	10.57 ug/l	96
69)	1,2,3-Trichloropropa	9.73	75	240529	10.74 ug/l #	100
70)	Bromobenzene	9.64	156	373747	10.37 ug/l	91
71)	n-propylbenzene	9.71	91	1810499	11.46 ug/l	98
72)	2-Chlorotoluene	9.81	91	1142782	11.10 ug/l	96
73)	1,3,5-Trimethylbenze	9.86	105	1272268	11.45 ug/l	97
74)	4-Chlorotoluene	9.91	91	1373630	11.13 ug/l	97
75)	tert-Butylbenzene	10.13	119	1091365	11.41 ug/l	96
76)	1,2,4-Trimethylbenze	10.19	105	1305901	11.61 ug/l	98
77)	sec-Butylbenzene	10.32	105	1526065	11.09 ug/l	100
78)	4-Isopropyltoluene	10.45	119	1270822	11.18 ug/l	97
79)	1,3-Dichlorobenzene	10.46	146	678194	10.52 ug/l	98
80)	1,4-Dichlorobenzene	10.54	146	671719	10.16 ug/l	97
81)	n-Butylbenzene	10.78	91	1195580	11.59 ug/l	98
82)	1,2-Dichlorobenzene	10.84	146	571276	10.56 ug/l	98
83)	1,2-Dibromo-3-Chloro	11.48	75	39295	11.13 ug/l	80
84)	1,2,4-Trichlorobenze	12.08	180	338958	10.34 ug/l	99
85)	Hexachlorobutadiene	12.15	225	161545	11.00 ug/l	98
86)	Naphthalene	12.28	128	630999	12.25 ug/l	100
87)	1,2,3-Trichlorobenze	12.48	180	284925	10.57 ug/l	96

Analyst Signature:_____ Analyst Name:_____ Date:_____

----------REASONS FOR MANUAL INTEGRATIONS----------

___Poor resolution of peaks exhibited on chromatogram.Compound #:_____

___Peak integrated by software incorrectly.Compound #:_____

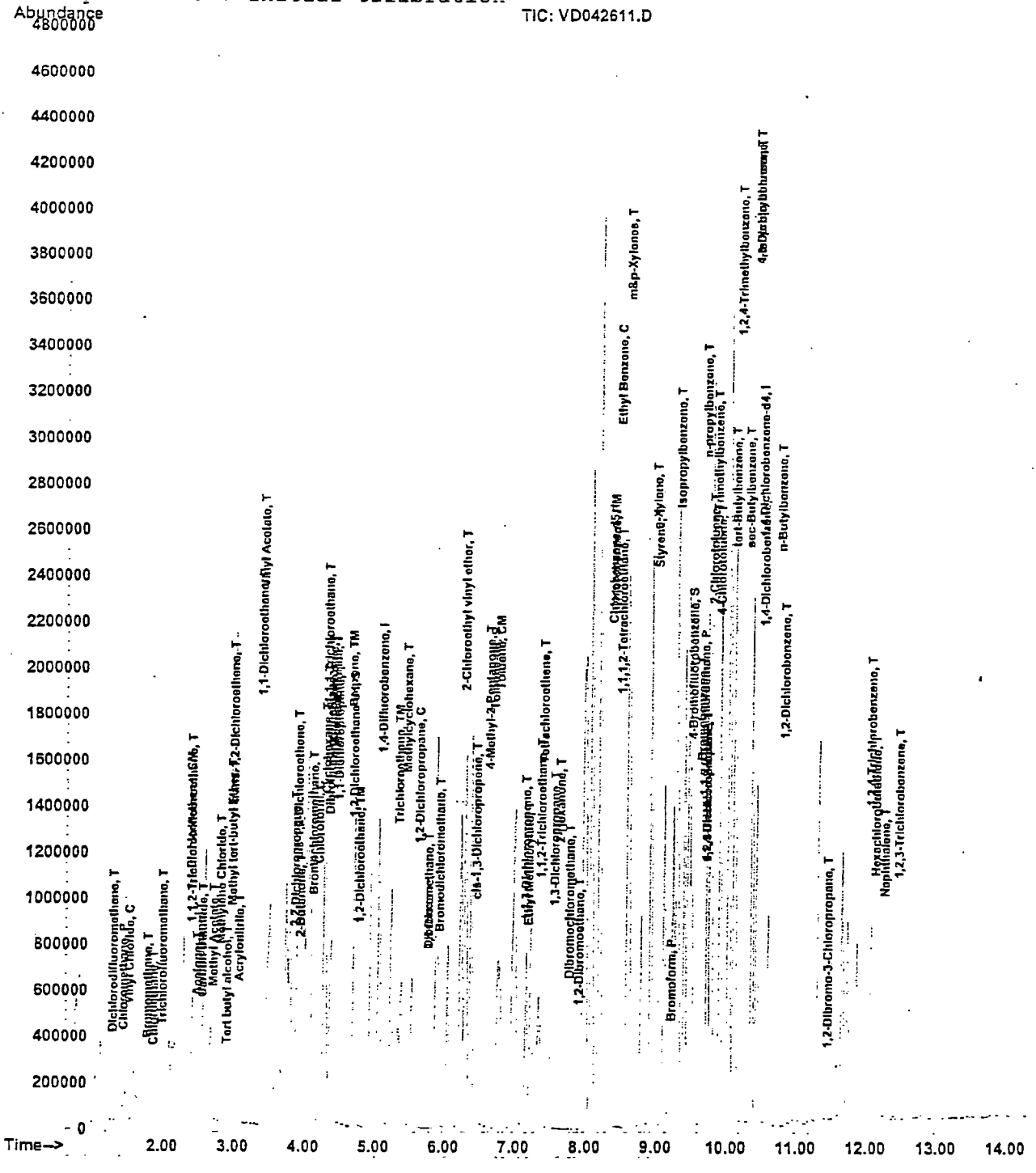
___OTHER:_____Compound #:_____

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

Quantitation Report

Data File : F:\1\DATA\MSVOA\VD041604\VD042611.D Vial: 1
Acq On : 27 Apr 2004 [illegible] pm Operator: [illegible]
Sample : 10 PPB CCC Inst : [illegible] MSD
Misc : 15mL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 27 11:30 2004 Quant Results File: SAD0426W.RES

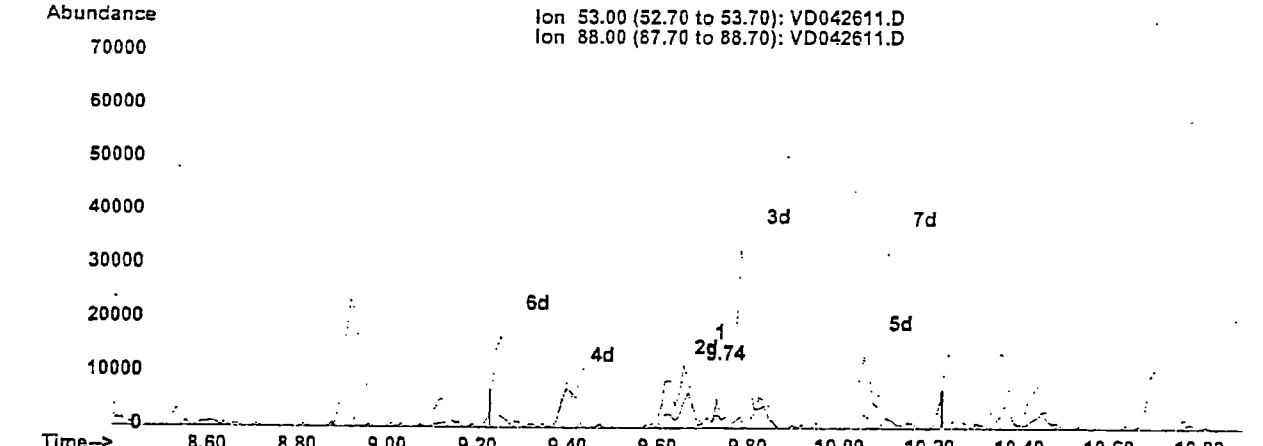
Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Initial Calibration

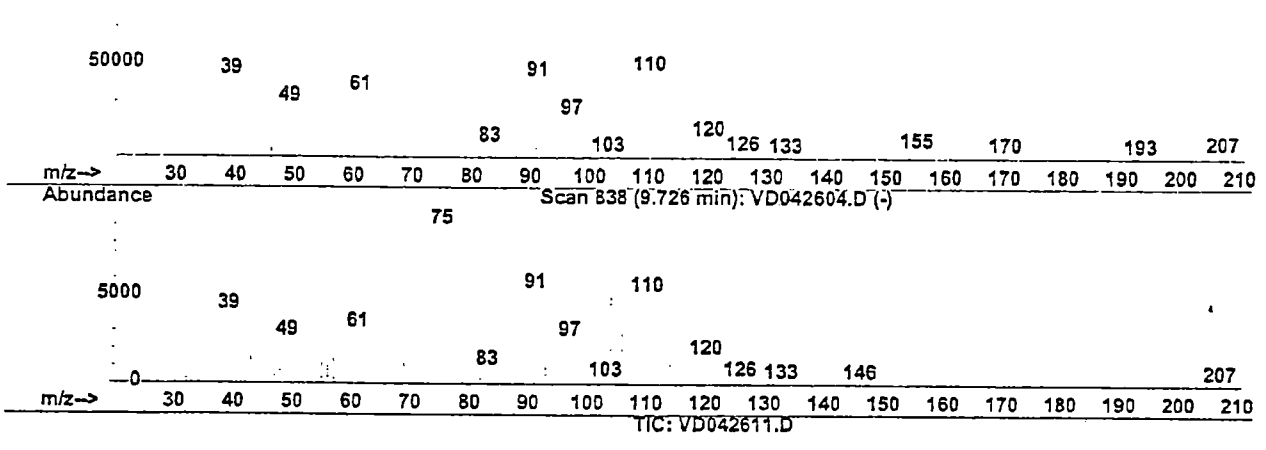


Quantitation Report

Data File : F:\1\DATA\METHAD\VD042614\VD042611.D Vial: 1
Acq TM : 27 Apr 2004 7:17 pm Operator: BRIT
Sample : 10 PPB CCC Inst : 5971 MSD
Misc : 25mL Multiplr: 1.00
Quant Time: Apr 27 11:30 2004 Quant Results File: temp.res

Method : F:\1\METHODS\VOAQ\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Multiple Level Calibration





(45) t-1,4-Dichloro-2-butene (T)

9.74min 10.08ug/l m

response 39449

Ion	Exp%	Act%
53.00	100	100
88.00	36.10	41.40
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOA\VD042611\VD042611.D Vial: 1
Acq. On : 26 Apr 2004 [illegible] pm Operator: [illegible]
Sample : 10 PPB CCC Inst : 5971 MSD
Misc : 10ml Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	74	0.02
2	T	Dichlorodifluoromethane	0.532	0.543	-2.1	76	0.00
3	P	Chloromethane	0.496	0.444	10.5	70	0.00
4	C	Vinyl Chloride	0.507	0.509	-0.4#	75	0.00
5	T	Bromomethane	0.340	0.286	15.9	60	0.00
6	T	Chloroethane	0.340	0.326	4.1	69	0.00
7	T	Trichlorofluoromethane	0.502	0.449	10.6	67	0.00
8	T	1,1,2-Trichlorotrifluoroeth	0.444	0.460	-3.6	73	0.02
9		Ethanol	1.602	0.000#	100.0#	0#	-3.60#
10	T	Tert butyl alcohol	0.030	0.032	-6.7	80	0.01
11	CM	1,1-Dichloroethene	0.418	0.473	-13.2#	82	0.00
12	T	Iodomethane	0.690	0.632	8.4	65	0.00
13	T	Acrolein	0.215	0.229	-6.5	81	0.00
14	T	Acrylonitrile	0.086	0.086	0.0	75	0.00
15	T	Acetone	0.083	0.080	3.6	77	0.01
16	T	Carbon Disulfide	0.733	0.729	0.5	70	0.00
17	T	Methyl Acetate	0.283	0.286	-1.1	78	0.01
18	T	Methyl tert-butyl Ether	0.892	0.940	-5.4	74	0.00
19	T	Methylene Chloride	0.483	0.487	-0.8	75	0.01
20	T	trans-1,2-Dichloroethene	0.458	0.444	3.1	72	0.00
21	T	Vinyl Acetate	0.696	0.796	-14.4	82	0.00
22	P	1,1-Dichloroethane	0.844	1.125	-33.3#	94	0.02
23	T	2-Butanone	0.180	0.193	-7.2	79	0.02
24	T	2,2-Dichloropropane	0.545	0.587	-7.7	74	0.00
25	T	cis-1,2-Dichloroethene	0.534	0.563	-5.4	76	0.02
26	T	Bromochloromethane	0.408	0.409	-0.2	78	0.00
27	C	Chloroform	0.908	0.990	-9.0#	78	0.01
28	T	Cyclohexane	0.768	0.845	-10.0	76	0.00
29	T	1,1,1-Trichloroethane	0.696	0.921	-32.3#	95	0.00
30	S	1,2-Dichloroethane-d4	0.489	0.558	-14.1	80	0.00
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.01
32	S	Dibromofluoromethane	0.345	0.363	-5.2	79	0.01
33	T	1,1-Dichloropropene	0.430	0.449	-4.4	77	0.00
34	T	Carbon Tetrachloride	0.423	0.422	0.2	75	0.02
35	T	Methylcyclohexane	0.491	0.530	-7.9	79	0.01
36	TM	Benzene	1.101	1.149	-4.4	77	0.00
37	TM	1,2-Dichloroethane	0.376	0.403	-7.2	79	0.02
38	TM	Trichloroethene	0.362	0.365	-0.8	73	0.01
39	C	1,2-Dichloropropane	0.309	0.329	-6.5#	79	0.01
40	T	Dibromomethane	0.169	0.173	-2.4	75	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOA\VD042611\VD042611.D Vial: 1
Acq On : 26 Apr 2004 7:17 pm Operator: BPIT
Sample : 10 PPB CCC Inst : 5970 MSD
Misc : 15mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		1,4-Dioxane	0.001	0.002#	-100.0#	97	0.00
42	T	Bromodichloromethane	0.389	0.408	-4.9	74	0.01
43	S	Toluene-d8	0.999	1.135	-13.6	87	0.02
44	T	4-Methyl-2-Pentanone	0.175	0.198	-13.1	82	0.02
45	T	t-1,4-Dichloro-2-butene	0.034	0.035	-2.9	78	0.01
46	CM	Toluene	0.756	0.781	-3.3#	77	0.02
47	T	t-1,3-Dichloropropene	0.342	0.362	-5.8	76	0.00
48	T	cis-1,3-Dichloropropene	0.418	0.448	-7.2	79	0.02
49	T	Ethyl Methacrylate	0.283	0.309	-9.2	79	0.02
50	T	1,1,2-Trichloroethane	0.218	0.223	-2.3	77	0.02
51	T	1,3-Dichloropropane	0.378	0.415	-9.8	81	0.01
52	T	2-Chloroethyl vinyl ether	0.126	0.139	-10.3	81	0.02
53	T	2-Hexanone	0.119	0.135	-13.4	81	0.02
54	T	Dibromochloromethane	0.226	0.206	8.8	66	0.00
55	T	1,2-Dibromoethane	0.213	0.214	-0.5	73	0.02
56	S	4-Bromofluorobenzene	0.379	0.424	-11.9	83	0.01
57	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
58	T	Tetrachloroethene	0.425	0.393	7.5	63	0.02
59	PM	Chlorobenzene	0.983	0.987	-0.4	74	0.00
60	T	1,1,1,2-Tetrachloroethane	0.359	0.378	-5.3	77	0.00
61	C	Ethyl Benzene	0.526	0.561	-6.7#	78	0.00
62	T	m&p-Xylenes	0.627	0.635	-1.3	73	0.01
63	T	o-Xylene	0.619	0.666	-7.6	77	0.00
64	T	Styrene	1.001	1.059	-5.8	77	0.00
65	P	Bromoform	0.118	0.090	23.7#	55	0.01
66	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.01
67	T	Isopropylbenzene	3.172	3.509	-10.6	75	0.01
68	P	1,1,2,2-Tetrachloroethane	0.543	0.573	-5.5	74	0.01
69	T	1,2,3-Trichloropropane	0.504	0.541	-7.3	79	0.01
70	T	Bromobenzene	0.811	0.841	-3.7	74	0.01
71	T	n-propylbenzene	3.554	4.072	-14.6	78	0.01
72	T	2-Chlorotoluene	2.316	2.570	-11.0	78	0.01
73	T	1,3,5-Trimethylbenzene	2.499	2.862	-14.5	82	0.01
74	T	4-Chlorotoluene	2.777	3.089	-11.2	76	0.01
75	T	tert-Butylbenzene	2.152	2.455	-14.1	80	0.00
76	T	1,2,4-Trimethylbenzene	2.530	2.937	-16.1	83	0.01
77	T	sec-Butylbenzene	3.094	3.432	-10.9	78	0.00
78	T	4-Isopropyltoluene	2.556	2.858	-11.8	78	0.01
79	T	1,3-Dichlorobenzene	1.451	1.525	-5.1	74	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : F:\1\DATA\MSVOA\VD041404\VD042611.D Vial: 1
Acq On : 26 Apr 2004 7:17 pm Operator: EPTT
Sample : 10 PPB CCC Inst : 5970 MSD
Misc : 25mL Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : F:\1\METHODS\VOAD\SAD0426W.M (RTE Integrator)
Title : SW846 8260
Last Update : Mon Apr 26 17:04:02 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 30% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	T	1,4-Dichlorobenzene	1.488	1.511	-1.5	73	0.01
81	T	n-Butylbenzene	2.320	2.689	-15.9	82	0.01
82	T	1,2-Dichlorobenzene	1.217	1.285	-5.6	76	0.00
83	T	1,2-Dibromo-3-Chloropropane	0.079	0.088	-11.4	88	0.01
84	T	1,2,4-Trichlorobenzene	0.737	0.762	-3.4	73	0.01
85	T	Hexachlorobutadiene	0.330	0.363	-10.0	82	0.00
86	T	Naphthalene	1.159	1.419	-22.4#	88	0.00
87	T	1,2,3-Trichlorobenzene	0.607	0.641	-5.6	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

4.5 VOLATILE MISCELLANEOUS DATA

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 04 / 19 / 04 End Date: 04 / 19 / 04 Analyst BAS Review By: ICP

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 728	Initial Calibration Stds.	MSV1- 865/866 878/870
CCC	MSV1- N/A	Spike Std.	MSV1- N/A
Internal Stds.	MSV1- 862/873	HP Processing Method	SAD0419W.m
Surrogate Stds.	MSV1- 863/873	ICV	877/879

SR. #:	Sample ID	Data File Name	Method #:	pH	Run Info.	Comment
1	BFB	VD041901				ok
2	1 PPB ICC	02	8260/LOW			ok
3	4 PPB ICC	03				ok
4	10 PPB ICC	04			SAD0419W.m	ok
5	20 PPB ICC	05				ok
6	35 PPB ICC	06				ok.
7	40 PPB ICC	07				not used saturated
8	20 PPB ICV	08				ok
9	BLK	09				ok.
10						
11						
12						
13					BAS 04/19/04	
14						
15						
16						
17						
18						
19						
20						

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 04/23/04 End Date: 04/23/04 Analyst BAS Review By: [illegible]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 728	Initial Calibration Stds.	MSV1- N/A
CCC	MSV1- 865/866 870/881	Spike Std.	MSV1- 865/866 870/881
Internal Stds.	MSV1- 873	HP Processing Method	SAD0419W.m
Surrogate Stds.	MSV1- 873	ICV	N/A

SR. #:	Sample ID	Data File Name	Method #:	pH	Run Info.	Comment
1	BFB	VD042301				ok 4/23/04 6:28 am
2	10 PPB CCC	02	SLW/LOW			ok
3	VBD0423W1	03			25mL	ok
4	VBD0423W2	04				ok
5	S2186-05-A	05		<2		ok
6	-01-A	06		<2		ok
7	-02-A	07		<2		ok
8	-04-A	08		<2		ok
9	-06-A	09		<2		ok
10	-07-A	10		<2		ok
11	-08-A	11		<2		ok
12	-09-A	12		<2		ok
13	-10-A	13		<2		ok
14	-11-A	14		<2		ok
15	BLKMS	15				ok
16	BLKMSD	16				ok
17	BSD0423W1	17				ok 4/23/04 5:22 pm
18						
19					BAS 04/23/04	
20						

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 04 / 26 / 04 End Date: 04 / 26 / 04 Analyst BAS Review By: [illegible]

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 728	Initial Calibration Stds.	MSV1- 865/866 ~~870~~/881 * AD 04/26/04
CCC	MSV1- ~~865/866~~ ~~870/881~~ *	Spike Std.	MSV1- 865/866 870/881
Internal Stds.	MSV1- 873/862	HP Processing Method	SAD0426W.m
Surrogate Stds.	MSV1- 873/863	ICV	* ~~[illegible]~~ 877/882

SR. #:	Sample ID	Data File Name	Method #:	pH	Run Info.	Comment
1	BFB	W0426 01				ok
2	1 PPB ICL	02	8260/LOW			ok
3	4 PPB ICL	03				ok
4	10 PPB ICL	04				ok
5	20 PPB ICL	05				ok
6	35 PPB ICL	06				not needed
7	40 PPB ICL	07				ok
8	20 PPB ICV	08				ok
9	BLK	09				ok.
10						
11						
12						
13					AD 04/26/04	
14						
15						
16						
17						
18						
19						
20						

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 04/26/04 End Date: 04/27/04 Analyst BAB Review By: CA

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 724	Initial Calibration Stds.	MSV1- N/A
CCC	MSV1- 865/866 870/851	Spike Std.	MSV1- 865/866 870/851
Internal Stds.	MSV1- 873	HP Processing Method	SAD0426W-in
Surrogate Stds.	MSV1- 873	ICV	N/A

SR. #:	Sample ID	Data File Name	Method #:	pH	Run Info.	Comment
1	BFB	VD0426 10				OK 04/26/04 6:36 pm
2	10 ppb CCC	11	SL60/LOW			OK
3	VBSD0426W1	12			25mL	OK
4	VBD0426W2	13				OK
5	S22041-18-A	14		<2		OK
6	S2309-04-A	15		<2		OK
7	S2132-14-B	DID 04/26/04 16		<2		OK
8	-15-A	17		<2		OK
9	-16-A	18		<2		OK
10	S22041-01-A	19		<2		OK
11	-02-A	20		<2		OK
12	-03-A	21		<2		OK
13	-04-A	22		<2		OK
14	-07-A	23		<2		OK
15	MS -05-A	24		<2		OK
16	MSD -06-A	25		<2		OK
17	BSD0426W1	26				OK 04/27/04 5:36 am
18						
19					BAB 04/26/04	
20						

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For GC/MS #: MSVOA D

Start Date: 04 / 19 / 04 End Date: 04 / 19 / 04 Analyst BAS Review By: ICP

STD. NAME	STD REF. #:	STD NAME	STD REF. #:
BFB	MSV1- 728	Initial Calibration Stds.	MSV1- 865/866 878/870
CCC	MSV1- N/A	Spike Std.	MSV1- N/A
Internal Stds.	MSV1- 862/873	HP Processing Method	SAD0419W.m
Surrogate Stds.	MSV1- 863/873	ICV	877/879

SR. #:	Sample ID	Data File Name	Method #:	pH	Run Info.	Comment
1	BFB	VD041901				ok
2	1 PPB ICC	02	8260/LOW			ok
3	4 PPB ICC	03				ok
4	10 PPB ICC	04			SAD0419W.m	ok
5	20 PPB ICC	05				ok
6	35 PPB ICC	06				ok.
7	40 PPB ICC	07				not used saturated
8	20 PPB ICV	08				ok
9	BLK	09				ok
10						
11						
12						
13					BAS 04/19/04	
14						
15						
16						
17						
18						
19						
20						

13

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
AMW-1	4/21/04	100.0	100.0
AMW-1DUP	4/21/04	100.0	100.0
FIELDBLANK-1	4/21/04	100.0	100.0
FIELDBLANK-2	4/21/04	100.0	100.0
MW-1	4/21/04	100.0	100.0
MW-10	4/21/04	100.0	100.0
MW-11	4/21/04	100.0	100.0
MW-12	4/21/04	100.0	100.0
MW-1D	4/21/04	100.0	100.0
MW-1S	4/21/04	100.0	100.0
MW-1SD	4/21/04	100.0	100.0
MW-5	4/21/04	100.0	100.0
MW-6	4/21/04	100.0	100.0
MW-7	4/21/04	100.0	100.0
MW-8	4/21/04	100.0	100.0
MW-8DUP	4/21/04	100.0	100.0
MW-9	4/21/04	100.0	100.0
PB13814BL	4/21/04	100.0	100.0
PB13814BS	4/21/04	100.0	100.0
RINSEBLANK	4/21/04	100.0	100.0

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: 52186 MATRIX: Water

METHOD: 8260-low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements a. Calibration Check Compounds for 8260 and CLP			✓
b. System Performance Check Compounds for 8260 and CLP			✓

8260 CALIBRATION CRITERIA

SPCC Compounds	MIN RF	CCC Compounds
Chloromethane	0.1	1,1-Dichloroethene
1,1-Dichloroethane	0.1	Chloroform
Bromoform	0.1	1,2-Dichloropropane
Chlorobenzene	0.3	Toluene
1,1,2,2-Tetrachloroethane	0.3	Ethylbenzene
		Vinyl chloride

For CCC compounds Initial Calibration Criteria – RSD less than or equal to 30%
For CCC compounds Continuing Calibration Criteria - %D less than or equal to 20%

	NA	NO	YES
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

CHEMTECH 284 Sheffield Street, Mountainside New Jersey 07092
NEW JERSEY LAB ID#: 20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY(CONTINUED)

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

9. Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10. Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Brijesh Shah
Analyst

04/27/04
Date

Martha Olivera
QA REVIEW

4/28/04
Date

7.0 METALS SAMPLE RESULTS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-01

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	464			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	158000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	51.2	J		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	39900			P
7439-96-5	Manganese	1010			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	11.4	J		P
7440-09-7	Potassium	2810	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	95100			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	11.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-02

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	532			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	89900			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	67.1	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	288			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	2070	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	27900			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	8.1	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FIELDBLANK-1

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-03

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	11.0	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	1740	U		P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	254	U		P
7439-96-5	Manganese	0.53	U		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	51.0	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	189	U		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	8.1	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-04

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	1170			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	79500			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	32500			P
7439-96-5	Manganese	13.0	J		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	2000	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	12700			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	10.7	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-5

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-06

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	580			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	67000			P
7440-47-3	Chromium	1.4	J		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	48.7	J		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	28400			P
7439-96-5	Manganese	5.0	J		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1340	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	10200			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	10.0	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-8DUP

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-07

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	1140			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	77400			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	31300			P
7439-96-5	Manganese	15.6			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1980	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	11900			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	14.6	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-08

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	550			P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	176	J		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	32500			P
7440-47-3	Chromium	2.5	J		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	5.3	J		P
7439-89-6	Iron	805			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	5440			P
7439-96-5	Manganese	20.6			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1040	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	4930	J		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	17.6	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-12

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-09

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	162	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	58100			P
7440-47-3	Chromium	1.5	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	140			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	10900			P
7439-96-5	Manganese	713			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	615	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	5760			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	8.1	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-10

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	453			P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	123	J		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	30000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	480			P
7439-92-1	Lead	2.7	J		P
7439-95-4	Magnesium	4410	J		P
7439-96-5	Manganese	21.5			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	570	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	3760	J		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	16.0	J		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-11

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	327			P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	120	J		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	47400			P
7440-47-3	Chromium	2.0	J		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	4.4	J		P
7439-89-6	Iron	447			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	8220			P
7439-96-5	Manganese	19.0			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1030	J	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	4560	J		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	14.7	J		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FIELDBLANK-2

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-12

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	11.0	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	1740	U		P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	254	U		P
7439-96-5	Manganese	0.20	U		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	51.0	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	189	U		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	8.1	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RINSEBLANK

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-13

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	11.0	U		P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	1740	U		P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	254	U		P
7439-96-5	Manganese	0.20	U		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	51.0	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	189	U		P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	8.1	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AMW-1

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-14

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	646			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	81900			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	33600			P
7439-96-5	Manganese	0.20	U		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1250	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	12700			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	377			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AMW-1DUP

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-15

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	180	U		P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	676			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	85400			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	0.74	U		P
7439-89-6	Iron	29.0	U		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	35000			P
7439-96-5	Manganese	0.20	U		P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	1220	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	391			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW In

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Lab Sample ID: S2186-16

Level (low/med): LOW Date Received: 4/15/04

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	703			P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	347			P
7440-41-7	Beryllium	1.1	U		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	52200			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.4	U		P
7440-50-8	Copper	5.2	U		P
7439-89-6	Iron	819			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese	43.7			P
7439-97-6	Mercury	0.03	U	N	CV
7440-02-0	Nickel	5.5	U		P
7440-09-7	Potassium	4920	U	N	P
7782-49-2	Selenium	5.2	U		P
7440-22-4	Silver	3.4	U		P
7440-23-5	Sodium	8580			P
7440-28-0	Thallium	5.8	U		P
7440-62-2	Vanadium	1.9	U		P
7440-66-6	Zinc	18.3	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

7.1 METALS BLANK RESULTS

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	180.1	U	180.1	U	180.1	U	180.1	U	180.108	U	P
Antimony	6.6	U	6.6	U	6.6	U	6.6	U	8.300	J	P
Arsenic	4.8	U	4.8	U	4.8	U	4.8	U	4.845	U	P
Barium	11.0	U	11.0	U	11.0	U	11.0	U	10.994	U	P
Beryllium	1.1	U	1.1	U	1.1	U	1.1	U	1.065	U	P
Cadmium	-2.5	J	-1.7	J	-1.3	J	-2.0	J	0.994	U	P
Calcium	1744.7	U	1744.7	U	1744.7	U	1744.7	U	1744.700	U	P
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	1.219	U	P
Cobalt	2.4	U	2.4	U	2.4	U	2.4	U	2.382	U	P
Copper	-6.6	J	-6.4	J	-7.8	J	-8.3	J	-4.260	J	P
Iron	29.0	U	29.0	U	29.0	U	-60.2	J	28.979	U	P
Lead	2.0	J	2.1	J	2.2	J	1.8	U	1.790	U	P
Magnesium	254.2	U	254.2	U	254.2	U	254.2	U	254.243	U	P
Manganese	-1.0	J	1.5	J	1.6	J	1.5	J	0.195	U	P
Mercury	0.03	U	-0.04	J	0.03	U	-0.04	J	-0.042	J	CV
Nickel	5.5	U	5.5	U	5.5	U	5.5	U	5.548	U	P
Potassium	-566.4	J	-492.7	J	-752.1	J	-959.0	J	-310.410	J	P
Selenium	5.2	U	5.2	U	5.2	U	5.2	U	5.235	U	P
Silver	3.4	U	3.4	U	3.4	U	3.4	U	3.379	U	P
Sodium	189.5	U	460.8	J	189.5	U	-223.5	J	-742.670	J	P
Thallium	5.8	U	5.8	U	5.8	U	5.8	U	5.778	U	P
Vanadium	1.9	U	1.9	U	1.9	U	1.9	U	1.865	U	P
Zinc	-16.9	J	8.1	U	8.1	U	8.1	U	8.109	U	P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			180.1	U	180.1	U	180.1	U			P
Antimony			6.6	U	6.6	U	7.0	J			P
Arsenic			4.8	U	4.8	U	4.8	U			P
Barium			11.0	U	11.0	U	11.0	U			P
Beryllium			1.1	U	1.1	U	1.1	U			P
Cadmium			-3.0	J	-2.8	J	2.1	J			P
Calcium			1744.7	U	1744.7	U	1744.7	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Cobalt			2.4	U	2.4	U	2.4	U			P
Copper			-9.4	J	-9.1	J	0.7	U			P
Iron			-53.2	J	29.0	U	29.0	U			P
Lead			1.8	U	1.8	U	3.0	J			P
Magnesium			254.2	U	254.2	U	254.2	U			P
Manganese			0.6	J	0.7	J	2.2	J			P
Mercury			-0.04	J	0.03	U	0.07	J			CV
Nickel			5.5	U	5.5	U	5.5	U			P
Potassium			-1051.9	J	-80.4	J	145.8	J			P
Selenium			5.2	U	5.2	U	5.2	U			P
Silver			3.4	U	-3.5	J	3.4	U			P
Sodium			189.5	U	189.5	U	-444.0	J			P
Thallium			-8.8	J	5.8	U	5.8	U			P
Vanadium			1.9	U	1.9	U	1.9	U			P
Zinc			8.1	U	8.1	U	8.1	U			P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			180.1	U	180.1	U	180.1	U			P
Antimony			6.8	J	6.6	J	7.5	J			P
Arsenic			4.8	U	4.8	U	4.8	U			P
Barium			11.0	U	11.0	U	11.0	U			P
Beryllium			1.1	U	1.1	U	1.1	U			P
Cadmium			1.0	U	1.0	U	1.0	U			P
Calcium			1744.7	U	1744.7	U	1744.7	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Cobalt			2.4	U	2.4	U	2.4	U			P
Copper			-2.1	J	-3.4	J	-3.4	J			P
Iron			29.0	U	29.0	U	52.0	J			P
Lead			3.4	J	1.8	U	1.8	U			P
Magnesium			254.2	U	254.2	U	254.2	U			P
Manganese			0.6	J	1.5	J	1.2	J			P
Mercury			0.03	U							CV
Nickel			5.5	U	5.5	U	5.5	U			P
Potassium			-118.2	J	-305.5	J	-279.2	J			P
Selenium			5.2	U	5.9	J	5.2	U			P
Silver			3.4	U	3.4	U	3.4	U			P
Sodium			-469.2	J	-973.4	J	-407.2	J			P
Thallium			5.8	U	5.8	U	5.8	U			P
Vanadium			1.9	U	1.9	U	1.9	U			P
Zinc			8.1	U	8.1	U	8.1	U			P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			180.1	U	180.1	U	180.1	U			P
Antimony			6.6	U	6.6	U	6.6	U			P
Arsenic			4.8	U	4.8	U	4.8	U			P
Barium			11.0	U	11.0	U	11.0	U			P
Beryllium			1.1	U	1.1	U	1.1	U			P
Cadmium			1.0	U	1.0	U	1.0	U			P
Calcium			1744.7	U	1744.7	U	1744.7	U			P
Chromium			1.2	U	1.2	U	1.2	U			P
Cobalt			2.4	U	2.4	U	2.4	U			P
Copper			-4.5	J	-4.5	J	-4.6	J			P
Iron			29.0	U	29.0	U	29.0	U			P
Lead			2.0	J	1.8	U	1.8	U			P
Magnesium			254.2	U	254.2	U	254.2	U			P
Manganese			0.8	J	0.7	J	0.5	J			P
Nickel			5.5	U	5.5	U	5.5	U			P
Potassium			51.0	U	51.0	U	51.0	U			P
Selenium			5.2	U	5.2	U	5.2	U			P
Silver			3.4	U	3.4	U	3.4	U			P
Sodium			205.0	J	189.5	U	189.5	U			P
Thallium			5.8	U	5.8	U	5.8	U			P
Vanadium			1.9	U	1.9	U	1.9	U			P
Zinc			8.1	U	8.1	U	8.1	U			P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			180.1	U	180.1	U					P
Antimony			6.6	U	6.6	U					P
Arsenic			4.8	U	4.8	U					P
Barium			11.0	U	11.0	U					P
Beryllium			1.1	U	1.1	U					P
Cadmium			1.0	U	1.0	U					P
Calcium			1744.7	U	1744.7	U					P
Chromium			-1.4	J	-1.3	J					P
Cobalt			2.4	U	2.4	U					P
Copper			-5.6	J	-1.4	J					P
Iron			29.0	U	29.0	U					P
Lead			3.8	J	1.8	U					P
Magnesium			254.2	U	254.2	U					P
Manganese			0.5	J	0.2	U					P
Nickel			5.5	U	5.5	U					P
Potassium			-97.4	J	51.0	U					P
Selenium			5.2	U	5.2	U					P
Silver			3.4	U	3.4	U					P
Sodium			189.5	U	189.5	U					P
Thallium			5.8	U	5.8	U					P
Vanadium			1.9	U	1.9	U					P
Zinc			8.1	U	8.1	U					P

7.2 METALS QA/QC SUMMARY

7

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	1764.25	88.2						
Antimony	800.0	721.08	90.1						
Arsenic	800.0	763.45	95.4						
Barium	2000.0	1831.68	91.6						
Beryllium	200.0	189.95	95.0						
Cadmium	200.0	200.82	100.4						
Calcium	5000.0	4830.96	96.6						
Chromium	400.0	388.14	97.0						
Cobalt	200.0	196.56	98.3						
Copper	300.0	269.95	90.0						
Iron	3000.0	2734.28	91.1						
Lead	1000.0	1001.10	100.1						
Magnesium	2000.0	1916.64	95.8						
Manganese	200.0	193.42	96.7						
Nickel	500.0	497.91	99.6						
Potassium	10000.0	8894.35	88.9						
Selenium	2000.0	1923.50	96.2						
Silver	75.0	73.60	98.1						
Sodium	3000.0	2558.33	85.3						
Thallium	2000.0	1951.21	97.6						
Vanadium	300.0	279.33	93.1						
Zinc	200.0	202.60	101.3						

9
ICP SERIAL DILUTIONS

SAMPLE NO.

MW-1L

Lab Name: Chemtech Consulting Group Contract: Tetra Tech I

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	180.11	U	900.54	U			P
Antimony	6.60	U	32.99	U			P
Arsenic	4.84	U	24.22	U			P
Barium	464.21		465.55	J	0.3		P
Beryllium	1.06	U	5.32	U			P
Cadmium	0.99	U	4.97	U			P
Calcium	158206.30		168098.50		6.3		P
Chromium	1.22	U	6.09	U			P
Cobalt	2.38	U	11.91	U			P
Copper	0.74	U	3.69	U			P
Iron	51.20	J	144.90	U	100.0		P
Lead	1.79	U	8.95	U			P
Magnesium	39883.27		41858.80		5.0		P
Manganese	1013.07		1060.40		4.7		P
Nickel	11.37	J	27.74	U	100.0		P
Potassium	2806.43	J	2050.00	J	27.0		P
Selenium	5.23	U	26.17	U			P
Silver	3.38	U	16.90	U			P
Sodium	95064.48		82269.15		13.5		P
Thallium	5.78	U	30.05	J	100.0		P
Vanadium	1.86	U	9.32	U			P
Zinc	11.20	J	40.54	U	100.0		P

9
ICP SERIAL DILUTIONS

SAMPLE NO.

ZL7256L

Lab Name: Chemtech Consulting Group Contract: Tetra Tech I

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.03	U	0.16	U			CV

7.3 METALS DUPLICATE & MATRIX SPIKE SUMMARY

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-1S

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	80 - 120	1904.8800		180.1080	U	2000.00	95.2		P
Antimony	80 - 120	768.1200		6.5990	U	800.00	96.0		P
Arsenic	80 - 120	777.3500		4.8450	U	800.00	97.2		P
Barium	80 - 120	2373.8899		464.2100		2000.00	95.5		P
Beryllium	80 - 120	190.7200		1.0650	U	200.00	95.4		P
Cadmium	80 - 120	194.5600		0.9940	U	200.00	97.3		P
Calcium		173231.5938		158206.2969		5000.00	300.5		P
Chromium	80 - 120	389.1300		1.2190	U	400.00	97.3		P
Cobalt	80 - 120	189.4800		2.3820	U	200.00	94.7		P
Copper	80 - 120	273.5100		0.7390	U	300.00	91.2		P
Iron	80 - 120	2796.9700		51.2000	J	3000.00	91.5		P
Lead	80 - 120	969.9500		1.7900	U	1000.00	97.0		P
Magnesium		44547.7695		39883.2695		2000.00	233.2		P
Manganese		1269.6899		1013.0700		200.00	128.3		P
Nickel	80 - 120	488.4600		11.3700	J	500.00	95.4		P
Potassium	80 - 120	15639.2305		2806.4299	J	10000.00	128.3	N	P
Selenium	80 - 120	1966.7200		5.2350	U	2000.00	98.3		P
Silver	80 - 120	82.9000		3.3790	U	75.00	110.5		P
Sodium		106147.3984		95064.4766		3000.00	369.4		P
Thallium	80 - 120	1903.5601		5.7780	U	2000.00	95.2		P
Vanadium	80 - 120	281.8600		1.8650	U	300.00	94.0		P
Zinc	80 - 120	210.4500		11.2000	J	200.00	99.6		P

Comments:

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	80 - 120	1898.2500		180.1080	U	2000.00	94.9		P
Antimony	80 - 120	771.5800		6.5990	U	800.00	96.4		P
Arsenic	80 - 120	774.3300		4.8450	U	800.00	96.8		P
Barium	80 - 120	2373.8101		464.2100		2000.00	95.5		P
Beryllium	80 - 120	190.2700		1.0650	U	200.00	95.1		P
Cadmium	80 - 120	193.3400		0.9940	U	200.00	96.7		P
Calcium		172774.2969		158206.2969		5000.00	291.4		P
Chromium	80 - 120	388.1700		1.2190	U	400.00	97.0		P
Cobalt	80 - 120	189.7900		2.3820	U	200.00	94.9		P
Copper	80 - 120	272.7000		0.7390	U	300.00	90.9		P
Iron	80 - 120	2783.6101		51.2000	J	3000.00	91.1		P
Lead	80 - 120	970.1700		1.7900	U	1000.00	97.0		P
Magnesium		44392.5508		39883.2695		2000.00	225.5		P
Manganese		1265.4800		1013.0700		200.00	126.2		P
Nickel	80 - 120	485.8200		11.3700	J	500.00	94.9		P
Potassium	80 - 120	15683.8799		2806.4299	J	10000.00	128.8	N	P
Selenium	80 - 120	1972.5400		5.2350	U	2000.00	98.6		P
Silver	80 - 120	83.5700		3.3790	U	75.00	111.4		P
Sodium		106402.1016		95064.4766		3000.00	377.9		P
Thallium	80 - 120	1891.5000		5.7780	U	2000.00	94.6		P
Vanadium	80 - 120	280.6000		1.8650	U	300.00	93.5		P
Zinc	80 - 120	210.4700		11.2000	J	200.00	99.6		P

Comments:

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

ZL7256S

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	80 - 120	4.2600		0.0330	U	4.00	106.5		CV

Comments:

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

ZL7256SD

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	80 - 120	4.8200		0.0330	U	4.00	120.5	N	CV

Comments:

Metals

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-1A

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Potassium		15786.72		2806.43	J	8500.0	152.7		P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

ZL7256A

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Mercury		3.79		0.03	U	4.0	94.8		CV

Comments:

6

DUPLICATES

SAMPLE NO.

MW-1D

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		180.1080	U	180.1080	U			P
Antimony		6.5990	U	6.5990	U			P
Arsenic		4.8450	U	4.8450	U			P
Barium	200.0	464.2100		465.1000		0.2		P
Beryllium		1.0650	U	1.0650	U			P
Cadmium		0.9940	U	0.9940	U			P
Calcium		158206.2969		158440.5000		0.1		P
Chromium		1.2190	U	1.2190	U			P
Cobalt		2.3820	U	2.3820	U			P
Copper		0.7390	U	0.7390	U			P
Iron		51.2000	J	44.4900	J	14.0		P
Lead		1.7900	U	1.7900	U			P
Magnesium		39883.2695		39907.7500		0.1		P
Manganese		1013.0700		1012.2000		0.1		P
Nickel		11.3700	J	12.6800	J	10.9		P
Potassium		2806.4299	J	2847.0901	J	1.4		P
Selenium		5.2350	U	5.2350	U			P
Silver		3.3790	U	3.3790	U			P
Sodium		95064.4766		95435.5313		0.4		P
Thallium		5.7780	U	5.7780	U			P
Vanadium		1.8650	U	1.8650	U			P
Zinc		11.2000	J	11.2900	J	0.8		P

Metals

6

DUPLICATES

SAMPLE NO.

MW-1SD

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		1904.8800		1898.2500		0.3		P
Antimony		768.1200		771.5800		0.4		P
Arsenic		777.3500		774.3300		0.4		P
Barium		2373.8899		2373.8101		0.0		P
Beryllium		190.7200		190.2700		0.2		P
Cadmium		194.5600		193.3400		0.6		P
Calcium		173231.5938		172774.2969		0.3		P
Chromium		389.1300		388.1700		0.2		P
Cobalt		189.4800		189.7900		0.2		P
Copper		273.5100		272.7000		0.3		P
Iron		2796.9700		2783.6101		0.5		P
Lead		969.9500		970.1700		0.0		P
Magnesium		44547.7695		44392.5508		0.3		P
Manganese		1269.6899		1265.4800		0.3		P
Nickel		488.4600		485.8200		0.5		P
Potassium		15639.2305		15683.8799		0.3		P
Selenium		1966.7200		1972.5400		0.3		P
Silver		82.9000		83.5700		0.8		P
Sodium		106147.3984		106402.1016		0.2		P
Thallium		1903.5601		1891.5000		0.6		P
Vanadium		281.8600		280.6000		0.4		P
Zinc		210.4500		210.4700		0.0		P

6

DUPLICATES

SAMPLE NO.

ZL7256D

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0330	U	0.0330	U			CV

Metals

6

DUPLICATES

SAMPLE NO.

ZL7256SD

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		4.2600		4.8200		12.3		CV

7.4 METALS CALIBRATIONS SUMMARY

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2482.0	2648.71	106.7	10000.0	9865.99	98.7	9979.39	99.8	P
Antimony	992.0	987.55	99.6	5000.0	4908.18	98.2	4987.03	99.7	P
Arsenic	996.0	987.03	99.1	5000.0	4986.44	99.7	5155.78	103.1	P
Barium	502.0	509.33	101.5	10000.0	9928.69	99.3	9916.34	99.2	P
Beryllium	493.0	489.60	99.3	250.0	247.24	98.9	252.42	101.0	P
Cadmium	494.0	503.84	102.0	2500.0	2499.12	100.0	2613.55	104.5	P
Calcium	10180.0	10048.38	98.7	25000.0	24607.45	98.4	25522.25	102.1	P
Chromium	490.0	493.41	100.7	1000.0	975.44	97.5	999.79	100.0	P
Cobalt	496.0	491.66	99.1	2500.0	2441.42	97.7	2513.28	100.5	P
Copper	490.0	474.65	96.9	1250.0	1199.56	96.0	1184.80	94.8	P
Iron	5107.0	4773.78	93.5	5000.0	4943.16	98.9	5015.82	100.3	P
Lead	996.0	1009.55	101.4	5000.0	4976.18	99.5	5183.52	103.7	P
Magnesium	6003.0	6026.42	100.4	25000.0	24650.82	98.6	26250.22	105.0	P
Manganese	495.0	501.36	101.3	2500.0	2442.84	97.7	2477.82	99.1	P
Mercury	4.1	3.83	93.4	5.0	4.95	99.0	4.89	97.8	CV
Nickel	492.0	502.63	102.2	2500.0	2471.78	98.9	2559.10	102.4	P
Potassium	10008.0	10855.94	108.5	25000.0	24182.32	96.7	24837.08	99.3	P
Selenium	1005.0	1019.22	101.4	5000.0	5040.17	100.8	5186.48	103.7	P
Silver	495.0	502.24	101.5	1250.0	1244.93	99.6	1260.21	100.8	P
Sodium	10039.0	10636.02	105.9	25000.0	22966.89	91.9	24156.47	96.6	P
Thallium	1027.0	1068.58	104.0	5000.0	5085.60	101.7	5256.71	105.1	P
Vanadium	501.0	497.46	99.3	2500.0	2413.61	96.5	2444.51	97.8	P
Zinc	1000.0	1010.59	101.1	2500.0	2463.38	98.5	2507.29	100.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10303.10	103.0	10336.12	103.4	P
Antimony				5000.0	5113.29	102.3	5111.41	102.2	P
Arsenic				5000.0	5345.60	106.9	5319.68	106.4	P
Barium				10000.0	10151.64	101.5	10166.58	101.7	P
Beryllium				250.0	258.76	103.5	257.87	103.1	P
Cadmium				2500.0	2713.80	108.6	2708.29	108.3	P
Calcium				25000.0	26348.90	105.4	26363.41	105.5	P
Chromium				1000.0	1026.94	102.7	1028.57	102.9	P
Cobalt				2500.0	2579.03	103.2	2582.94	103.3	P
Copper				1250.0	1199.46	96.0	1201.09	96.1	P
Iron				5000.0	5071.84	101.4	4949.92	99.0	P
Lead				5000.0	5371.09	107.4	5371.43	107.4	P
Magnesium				25000.0	27399.11	109.6	27369.04	109.5	P
Manganese				2500.0	2528.61	101.1	2528.89	101.2	P
Mercury				5.0	4.79	95.8	4.87	97.4	CV
Nickel				2500.0	2643.12	105.7	2643.59	105.7	P
Potassium				25000.0	25991.84	104.0	26211.20	104.8	P
Selenium				5000.0	5373.01	107.5	5351.23	107.0	P
Silver				1250.0	1295.68	103.7	1292.83	103.4	P
Sodium				25000.0	25513.43	102.1	26028.54	104.1	P
Thallium				5000.0	5485.12	109.7	5460.93	109.2	P
Vanadium				2500.0	2482.47	99.3	2485.06	99.4	P
Zinc				2500.0	2566.62	102.7	2563.32	102.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10310.62	103.1	9786.85	97.9	P
Antimony				5000.0	5117.43	102.3	4967.58	99.4	P
Arsenic				5000.0	5324.64	106.5	4908.59	98.2	P
Barium				10000.0	10164.43	101.6	9963.01	99.6	P
Beryllium				250.0	257.52	103.0	248.25	99.3	P
Cadmium				2500.0	2702.51	108.1	2434.76	97.4	P
Calcium				25000.0	26309.59	105.2	24262.79	97.1	P
Chromium				1000.0	1025.83	102.6	975.67	97.6	P
Cobalt				2500.0	2576.47	103.1	2425.36	97.0	P
Copper				1250.0	1199.01	95.9	1242.92	99.4	P
Iron				5000.0	4954.30	99.1	4985.81	99.7	P
Lead				5000.0	5380.40	107.6	4919.78	98.4	P
Magnesium				25000.0	27285.76	109.1	23897.67	95.6	P
Manganese				2500.0	2525.48	101.0	2474.09	99.0	P
Mercury				5.0	4.87	97.4	5.00	100.0	CV
Nickel				2500.0	2633.61	105.3	2438.30	97.5	P
Potassium				25000.0	26245.61	105.0	23538.03	94.2	P
Selenium				5000.0	5362.24	107.2	4993.32	99.9	P
Silver				1250.0	1293.18	103.5	1244.69	99.6	P
Sodium				25000.0	26459.40	105.8	22701.75	90.8	P
Thallium				5000.0	5478.92	109.6	4887.13	97.7	P
Vanadium				2500.0	2479.43	99.2	2442.70	97.7	P
Zinc				2500.0	2560.48	102.4	2467.82	98.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	9911.34	99.1	10441.71	104.4	P
Antimony				5000.0	5033.56	100.7	5175.79	103.5	P
Arsenic				5000.0	5049.83	101.0	5271.10	105.4	P
Barium				10000.0	9748.34	97.5	9851.56	98.5	P
Beryllium				250.0	252.07	100.8	261.25	104.5	P
Cadmium				2500.0	2557.93	102.3	2717.28	108.7	P
Calcium				25000.0	25201.25	100.8	26888.45	107.6	P
Chromium				1000.0	1007.10	100.7	1054.01	105.4	P
Cobalt				2500.0	2525.71	101.0	2661.08	106.4	P
Copper				1250.0	1235.65	98.9	1246.94	99.8	P
Iron				5000.0	5058.83	101.2	5305.90	106.1	P
Lead				5000.0	5125.11	102.5	5484.26	109.7	P
Magnesium				25000.0	25501.80	102.0	26752.33	107.0	P
Manganese				2500.0	2518.30	100.7	2627.17	105.1	P
Mercury				5.0	4.89	97.8			CV
Nickel				2500.0	2538.84	101.6	2684.26	107.4	P
Potassium				25000.0	23886.20	95.5	25708.45	102.8	P
Selenium				5000.0	5099.80	102.0	5352.18	107.0	P
Silver				1250.0	1242.95	99.4	1270.20	101.6	P
Sodium				25000.0	23448.47	93.8	25586.95	102.3	P
Thallium				5000.0	5031.32	100.6	5309.92	106.2	P
Vanadium				2500.0	2495.14	99.8	2585.66	103.4	P
Zinc				2500.0	2544.80	101.8	2630.85	105.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10186.19	101.9	10186.96	101.9	P
Antimony				5000.0	5081.69	101.6	5111.95	102.2	P
Arsenic				5000.0	5152.64	103.1	5185.34	103.7	P
Barium				10000.0	9650.20	96.5	9713.32	97.1	P
Beryllium				250.0	255.43	102.2	255.66	102.3	P
Cadmium				2500.0	2644.38	105.8	2656.95	106.3	P
Calcium				25000.0	26010.51	104.0	26045.16	104.2	P
Chromium				1000.0	1026.88	102.7	1026.52	102.7	P
Cobalt				2500.0	2583.84	103.4	2582.89	103.3	P
Copper				1250.0	1223.05	97.8	1223.04	97.8	P
Iron				5000.0	5220.74	104.4	5117.91	102.4	P
Lead				5000.0	5332.56	106.7	5340.79	106.8	P
Magnesium				25000.0	25852.11	103.4	25974.33	103.9	P
Manganese				2500.0	2559.87	102.4	2552.32	102.1	P
Nickel				2500.0	2615.62	104.6	2619.30	104.8	P
Potassium				25000.0	24709.71	98.8	24960.70	99.8	P
Selenium				5000.0	5222.78	104.5	5258.74	105.2	P
Silver				1250.0	1247.33	99.8	1258.46	100.7	P
Sodium				25000.0	24228.06	96.9	24716.85	98.9	P
Thallium				5000.0	5181.87	103.6	5218.02	104.4	P
Vanadium				2500.0	2515.88	100.6	2513.43	100.5	P
Zinc				2500.0	2577.42	103.1	2584.85	103.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10063.30	100.6	10114.72	101.1	P
Antimony				5000.0	5052.16	101.0	5084.83	101.7	P
Arsenic				5000.0	5163.33	103.3	5207.11	104.1	P
Barium				10000.0	9684.10	96.8	9757.69	97.6	P
Beryllium				250.0	254.45	101.8	255.56	102.2	P
Cadmium				2500.0	2651.09	106.0	2671.39	106.9	P
Calcium				25000.0	25963.42	103.9	26093.07	104.4	P
Chromium				1000.0	1019.84	102.0	1022.71	102.3	P
Cobalt				2500.0	2564.95	102.6	2573.77	103.0	P
Copper				1250.0	1209.08	96.7	1208.88	96.7	P
Iron				5000.0	5063.78	101.3	5028.66	100.6	P
Lead				5000.0	5290.27	105.8	5319.00	106.4	P
Magnesium				25000.0	25861.94	103.4	26035.53	104.1	P
Manganese				2500.0	2531.14	101.2	2533.46	101.3	P
Nickel				2500.0	2612.31	104.5	2623.68	104.9	P
Potassium				25000.0	24786.50	99.1	24997.37	100.0	P
Selenium				5000.0	5194.39	103.9	5255.64	105.1	P
Silver				1250.0	1252.68	100.2	1263.66	101.1	P
Sodium				25000.0	24542.17	98.2	24845.89	99.4	P
Thallium				5000.0	5234.13	104.7	5302.69	106.1	P
Vanadium				2500.0	2496.85	99.9	2495.76	99.8	P
Zinc				2500.0	2564.22	102.6	2574.18	103.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000.0	10164.57	101.6	10140.19	101.4	P
Antimony				5000.0	5104.74	102.1	5085.02	101.7	P
Arsenic				5000.0	5267.39	105.3	5267.64	105.4	P
Barium				10000.0	9864.64	98.6	9869.91	98.7	P
Beryllium				250.0	256.80	102.7	255.83	102.3	P
Cadmium				2500.0	2696.04	107.8	2694.57	107.8	P
Calcium				25000.0	26288.21	105.2	26205.97	104.8	P
Chromium				1000.0	1025.65	102.6	1020.67	102.1	P
Cobalt				2500.0	2582.69	103.3	2569.45	102.8	P
Copper				1250.0	1207.19	96.6	1196.79	95.7	I
Iron				5000.0	5007.71	100.2	4936.13	98.7	I
Lead				5000.0	5353.97	107.1	5345.84	106.9	P
Magnesium				25000.0	26236.56	104.9	26246.58	105.0	P
Manganese				2500.0	2535.12	101.4	2517.49	100.7	P
Nickel				2500.0	2637.78	105.5	2630.19	105.2	P
Potassium				25000.0	25313.86	101.3	25353.32	101.4	P
Selenium				5000.0	5292.69	105.9	5302.72	106.1	P
Silver				1250.0	1276.38	102.1	1276.05	102.1	P
Sodium				25000.0	25376.66	101.5	25573.78	102.3	P
Thallium				5000.0	5391.18	107.8	5434.59	108.7	P
Vanadium				2500.0	2498.29	99.9	2473.12	98.9	P
Zinc				2500.0	2580.66	103.2	2570.54	102.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

AA CRDL Standard Source: INOR-VEN

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Antimony				120.0	126.06	105.0		
Arsenic				20.0	19.40	97.0		
Beryllium				10.0	10.38	103.8		
Cadmium				10.0	8.08	80.8		
Chromium				20.0	22.85	114.2		
Cobalt				100.0	101.05	101.0		
Copper				50.0	42.96	85.9		
Lead				6.0	7.07	117.8		
Manganese				30.0	30.83	102.8		
Mercury	0.2	0.15	75.0					
Nickel				80.0	83.12	103.9		
Selenium				10.0	9.63	96.3		
Silver				20.0	18.65	93.2		
Thallium				20.0	15.26	76.3		
Vanadium				100.0	99.54	99.5		
Zinc				40.0	43.04	107.6		

Control Limits: no limits have been established by EPA at this time

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: Date: 12/23/03

Flame AA ID Number: CV2

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	MDL (ug/L)	M
Mercury	253.70		0.20	0.03	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/24/04

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	MDL (ug/L)	M
Aluminum	308.22		200	180.1	P
Antimony	206.83		60	6.6	P
Arsenic	189.04		10	4.8	P
Barium	493.41		200	11.0	P
Beryllium	313.04		5	1.1	P
Cadmium	226.50		5	1.0	P
Calcium	317.93		5000	1744.7	P
Chromium	267.72		10	1.2	P
Cobalt	228.62		50	2.4	P
Copper	324.75		25	0.7	P
Iron	271.44		100	29.0	P
Lead	220.35		5	1.8	P
Magnesium	279.08		5000	254.2	P
Manganese	257.61		15	0.2	P
Nickel	231.60		40	5.5	P
Potassium	766.49		5000	51.0	P
Selenium	196.02		10	5.2	P
Silver	328.07		10	3.4	P
Sodium	330.23		5000	189.5	P
Thallium	190.86		10	5.8	P
Vanadium	292.40		50	1.9	P
Zinc	206.2		20	8.1	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/31/04

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0031000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0005100
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0129000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/31/04

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0001000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0002000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0022000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/31/04

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	K	Mn	Na
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000700	0.0000000	0.0002000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/31/04

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	Pb	Sb	Se	Tl
Aluminum	308.20	0.0000000	0.0005300	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0037800	0.0000000	0.0000000
Cobalt	228.60	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0001000	0.0002000	0.0000500	0.0000600	-0.0000400
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0001200	0.0000000	0.0004200	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000890	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0000500	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 1/31/04

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn	Th		
Aluminum	308.20	0.0000000	0.0000000	0.0000000		
Antimony	206.80	0.0000000	0.0000000	0.0000000		
Arsenic	189.00	0.0000000	0.0000000	0.0000000		
Barium	493.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.00	0.0000000	0.0000000	0.0000000		
Cadmium	226.50	0.0000000	0.0000000	0.0000000		
Calcium	317.90	0.0000000	0.0000000	0.0000000		
Chromium	267.70	-0.0018200	0.0000000	0.0000000		
Cobalt	228.60	0.0000000	0.0000000	0.0000000		
Copper	324.70	0.0000000	0.0006000	0.0000000		
Iron	271.40	-0.0000400	0.0006000	0.0000000		
Lead	220.40	0.0000000	0.0000000	0.0000000		
Magnesium	279.00	0.0000000	0.0000000	0.0000000		
Manganese	257.60	0.0000000	0.0000000	0.0000000		
Nickel	231.60	0.0000000	0.0000000	0.0000000		
Potassium	766.50	0.0000000	0.0000000	0.0000000		
Selenium	196.00	0.0000000	0.0000000	0.0000000		
Silver	328.00	0.0000000	0.0000000	0.0000000		
Sodium	588.90	0.0000000	0.0000000	0.0000000		
Thallium	190.90	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 Date: 4/12/04

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	10.00	650000.0	P
Antimony	10.00	25000.0	P
Arsenic	10.00	20000.0	P
Barium	10.00	40000.0	P
Beryllium	10.00	25000.0	P
Cadmium	10.00	25000.0	P
Calcium	10.00	600000.0	P
Chromium	10.00	100000.0	P
Cobalt	10.00	40000.0	P
Copper	10.00	35000.0	P
Iron	10.00	1000000.0	P
Lead	10.00	100000.0	P
Magnesium	10.00	700000.0	P
Manganese	10.00	40000.0	P
Nickel	10.00	80000.0	P
Potassium	10.00	125000.0	P
Selenium	10.00	40000.0	P
Silver	10.00	100000.0	P
Sodium	10.00	2000000.0	P
Thallium	10.00	50000.0	P
Vanadium	10.00	60000.0	P
Zinc	10.00	25000.0	P

Comments:

7.5 METALS MISCELLANEOUS DATA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	519000	514000	516084	450094.0	87.6			
Antimony	0	518	0	512.9	99.0			
Arsenic	0	102	0	84.1	82.5			
Barium	0	456	-4	447.8	98.2			
Beryllium	0	458	0	402.7	87.9			
Cadmium	0	910	-1	786.2	86.4			
Calcium	491900	489000	450486	398001.3	81.4			
Chromium	20	455	23	396.7	87.2			
Cobalt	0	430	-2	379.4	88.2			
Copper	0	506	-4	408.3	80.7			
Iron	195000	194600	181231	158224.9	81.3			
Lead	0	49	-2	40.7	83.1			
Magnesium	542000	540600	522644	454764.6	84.1			
Manganese	0	438	-15	386.6	88.3			
Nickel	0	846	-4	747.5	88.4			
Potassium	0	0	-300	-319.1				
Selenium	0	47	3	49.7	105.7			
Silver	0	196	-10	171.4	87.4			
Sodium	0	0	-173	502.2				
Thallium	0	89	-11	76.0	85.4			
Vanadium	0	452	-4	399.2	88.3			
Zinc	0	958	-1	842.0	87.9			

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PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Method: CV

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
AMW-1	4/21/04	40.0	40.0
AMW-1DUP	4/21/04	40.0	40.0
FIELDBLANK-1	4/21/04	40.0	40.0
FIELDBLANK-2	4/21/04	40.0	40.0
MW-1	4/21/04	40.0	40.0
MW-10	4/21/04	40.0	40.0
MW-11	4/21/04	40.0	40.0
MW-12	4/21/04	40.0	40.0
MW-5	4/21/04	40.0	40.0
MW-6	4/21/04	40.0	40.0
MW-7	4/21/04	40.0	40.0
MW-8	4/21/04	40.0	40.0
MW-8DUP	4/21/04	40.0	40.0
MW-9	4/21/04	40.0	40.0
PB13809BL	4/21/04	40.0	40.0
RINSEBLANK	4/21/04	40.0	40.0
ZL7256	4/21/04	40.0	40.0
ZL7256D	4/21/04	40.0	40.0
ZL7256S	4/21/04	40.0	40.0
ZL7256SD	4/21/04	40.0	40.0

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: CV2 Method: CV Run Number: 042604C

Start Date: 4/26/04 End Date: 4/26/04

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Std01Repl	1.00	1312																X									
Std02Repl	1.00	1314																X									
Std03Repl	1.00	1316																X									
Std04Repl	1.00	1318																X									
Std05Repl	1.00	1321																X									
Std06Repl	1.00	1323																X									
ICV01	1.00	1325																X									
ICB01	1.00	1328																X									
CCV01	1.00	1330																X									
CCB01	1.00	1332																X									
CRI01	1.00	1335																X									
ZZZZZZ	1.00	1337																									
ZZZZZZ	1.00	1339																									
PB13805BL	1.00	1342																X									
ZZZZZZ	1.00	1344																									
ZZZZZZ	1.00	1346																									
ZL7256	1.00	1349																X									
ZL7256D	1.00	1351																X									
ZL7256S	1.00	1354																X									
ZL7256SD	1.00	1357																X									
CCV02	1.00	1359																X									
CCB02	1.00	1402																X									
ZL7256L	5.00	1405																X									
ZL7256A	1.00	1408																X									
ZZZZZZ	1.00	1410																									
ZZZZZZ	1.00	1412																									
ZZZZZZ	1.00	1415																									
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1419																									
ZZZZZZ	1.00	1422																									
ZZZZZZ	1.00	1425																									
ZZZZZZ	1.00	1427																									
CCV03	1.00	1429																X									
CCB03	1.00	1432																X									
ZZZZZZ	1.00	1434																									
ZZZZZZ	1.00	1437																									

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: CV2 Method: CV Run Number: 042604C

Start Date: 4/26/04 End Date: 4/26/04

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	5.00	1439																									
ZZZZZZ	1.00	1442																									
MW-1	1.00	1444																X									
MW-7	1.00	1446																X									
FIELDBLANK-1	1.00	1449																X									
MW-8	1.00	1451																X									
MW-5	1.00	1454																X									
MW-8DUP	1.00	1457																X									
CCV04	1.00	1500																X									
CCB04	1.00	1502																X									
MW-11	1.00	1506																X									
MW-12	1.00	1508																X									
MW-10	1.00	1511																X									
MW-9	1.00	1513																X									
FIELDBLANK-2	1.00	1515																X									
RINSEBLANK	1.00	1518																X									
AMW-1	1.00	1520																X									
AMW-1DUP	1.00	1523																X									
MW-6	1.00	1525																X									
ZZZZZZ	1.00	1528																									
CCV05	1.00	1530																X									
CCB05	1.00	1532																X									
ZZZZZZ	1.00	1534																									
ZZZZZZ	1.00	1537																									
ZZZZZZ	1.00	1539																									
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1544																									
ZZZZZZ	1.00	1546																									
ZZZZZZ	1.00	1549																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1554																									
ZZZZZZ	1.00	1556																									
CCV06	1.00	1559																X									
CCB06	1.00	1602																X									
ZZZZZZ	1.00	1604																									
ZZZZZZ	1.00	1607																									

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: CV2 Method: CV Run Number: 042604C

Start Date: 4/26/04 End Date: 4/26/04

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1610																									
ZZZZZZ	1.00	1612																									
CCV07	1.00	1615																X									
CCB07	1.00	1617																X									

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: P1 Method: P Run Number: P104224

Start Date: 4/22/04 End Date: 4/22/04

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1039		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.00	1041		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2	1.00	1043		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1046		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
HMS	1.00	1048		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
HS	1.00	1052		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV01	1.00	1101		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB01	1.00	1107		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI01	1.00	1116			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICS-A01	1.00	1122		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICS-AB01	1.00	1124		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1128																									
CCV01	1.00	1130		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB01	1.00	1132		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1144																									
ZZZZZZ	1.00	1146																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1151																									
ZZZZZZ	1.00	1154																									
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1200																									
ZZZZZZ	1.00	1205																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	1.00	1209																									
CCV02	1.00	1211		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB02	1.00	1213		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1220																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1226																									
ZZZZZZ	5.00	1229																									
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1233																									
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1237																									

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: P1 Method: P Run Number: P104224

Start Date: 4/22/04 End Date: 4/22/04

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV03	1.00	1243		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB03	1.00	1245		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1251																									
ZZZZZZ	1.00	1254																									
ZZZZZZ	1.00	1256																									
ZZZZZZ	1.00	1258																									
ZZZZZZ	1.00	1259																									
ZZZZZZ	1.00	1301																									
ZZZZZZ	1.00	1303																									
ZZZZZZ	1.00	1305																									
ZZZZZZ	1.00	1307																									
ZZZZZZ	1.00	1309																									
CCV04	1.00	1310		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB04	1.00	1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1317																									
ZZZZZZ	1.00	1319																									
ZZZZZZ	1.00	1321																									
ZZZZZZ	1.00	1324																									
ZZZZZZ	5.00	1326																									
ZZZZZZ	1.00	1328																									
ZZZZZZ	1.00	1330																									
ZZZZZZ	1.00	1332																									
ZZZZZZ	1.00	1334																									
CCV05	1.00	1341		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB05	1.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1345																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1349																									
ZZZZZZ	5.00	1351																									
ZZZZZZ	1.00	1401																									
ZZZZZZ	1.00	1403																									
ZZZZZZ	1.00	1405																									
ZZZZZZ	1.00	1407																									
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1411																									
CCV06	1.00	1415		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: P1 Method: P Run Number: P104224

Start Date: 4/22/04 End Date: 4/22/04

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB06	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1424																									
ZZZZZZ	1.00	1426																									
ZZZZZZ	1.00	1428																									
ZZZZZZ	1.00	1430																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1436																									
ZZZZZZ	1.00	1438																									
ZZZZZZ	1.00	1440																									
ZZZZZZ	1.00	1442																									
ZZZZZZ	1.00	1445																									
CCV07	1.00	1447		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB07	1.00	1451		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1455																									
ZZZZZZ	5.00	1457																									
ZZZZZZ	1.00	1459																									
ZZZZZZ	1.00	1501																									
ZZZZZZ	1.00	1503																									
ZZZZZZ	1.00	1505																									
ZZZZZZ	1.00	1507																									
ZZZZZZ	1.00	1509																									
ZZZZZZ	1.00	1511																									
CCV08	1.00	1513		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB08	1.00	1516		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1520																									
ZZZZZZ	1.00	1522																									
ZZZZZZ	1.00	1524																									
ZZZZZZ	1.00	1525																									
ZZZZZZ	1.00	1527																									
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1531																									
ZZZZZZ	1.00	1533																									
ZZZZZZ	1.00	1535																									
ZZZZZZ	1.00	1537																									
CCV09	1.00	1539		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: P1 Method: P Run Number: P104224

Start Date: 4/22/04 End Date: 4/22/04

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB09	1.00	1541		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1546																									
ZZZZZZ	10.00	1548																									
ZZZZZZ	10.00	1550																									
ZZZZZZ	10.00	1552																									
ZZZZZZ	10.00	1554																									
PB13814BL	1.00	1557		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1600																									
PB13814BS	1.00	1603		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1605																									
ZZZZZZ	1.00	1609																									
CCV10	1.00	1611		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB10	1.00	1616		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1	1.00	1618		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1D	1.00	1620		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1L	5.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1S	1.00	1624		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1SD	1.00	1626		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1A	1.00	1628																		X							
MW-7	1.00	1631		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
FIELDBLANK-1	1.00	1632		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-8	1.00	1635		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-5	1.00	1637		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV11	1.00	1640		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB11	1.00	1642		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-8DUP	1.00	1645		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-11	1.00	1647		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-12	1.00	1649		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-10	1.00	1653		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-9	1.00	1655		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
FIELDBLANK-2	1.00	1657		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
RINSEBLANK	1.00	1659		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
AMW-1	1.00	1701		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
AMW-1DUP	1.00	1703		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-6	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV12	1.00	1708		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Metals
14
ANALYSIS RUN LOG

Client: Tetra Tech FW Inc.. Contract: Tetra Tech FW Inc..

Lab Code: CHEMED Case No.: S2186 SAS No.: S2186 SDG No.: S2186

Instrument ID Number: P1 Method: P Run Number: P104224

Start Date: 4/22/04 End Date: 4/22/04

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB12	1.00	1710		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1712																									
ZZZZZZ	1.00	1714																									
ZZZZZZ	5.00	1716																									
ZZZZZZ	1.00	1721																									
ZZZZZZ	1.00	1723																									
ZZZZZZ	1.00	1725																									
ZZZZZZ	1.00	1728																									
ZZZZZZ	1.00	1733																									
ZZZZZZ	1.00	1735																									
ZZZZZZ	1.00	1737																									
CCV13	1.00	1739		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB13	1.00	1741		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1743																									
ZZZZZZ	1.00	1745																									
ZZZZZZ	1.00	1748																									
ZZZZZZ	1.00	1750																									
ZZZZZZ	1.00	1752																									
ZZZZZZ	1.00	1753																									
ZZZZZZ	1.00	1755																									
ZZZZZZ	1.00	1757																									
ZZZZZZ	1.00	1759																									
ZZZZZZ	1.00	1801																									
CCV14	1.00	1804		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB14	1.00	1809		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

CHEMTECH

METALS
RAW DATA

Standardization Rpt. 04/22/04 10:41:39 AM page 1

Method: 6010B Standard: S0
Run Time: 04/22/04 10:39:29

Elem	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
Avge	.00153	-.00487	.07467	.01120	.01653	.08700	.01320
SDev	.00764	.00519	.00207	.00283	.00057	.01707	.00132
%RSD	498.05	106.55	2.7779	25.254	3.4215	19.615	9.9995
#1	-.00387	-.00853	.07320	.01320	.01693	.09907	.01413
#2	.00693	-.00120	.07613	.00920	.01613	.07493	.01227

Elem	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
Avge	.00587	.00547	.02753	.00487	.01427	.00947	.01360
SDev	.00019	.00075	.00085	.00123	.00170	.00132	.00547
%RSD	3.2141	13.797	3.0818	25.185	11.895	13.943	40.208
#1	.00600	.00600	.02813	.00573	.01547	.01040	.01747
#2	.00573	.00493	.02693	.00400	.01307	.00853	.00973

Elem	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
Avge	.01033	.37313	.00113	.05100	-.38560	.00840	.02547
SDev	.00141	.03554	.00009	.00952	.01263	.00679	.01037
%RSD	13.686	9.5258	8.3189	18.671	3.2764	80.812	40.723
#1	.01133	.39827	.00120	.05773	-.37667	.01320	.01813
#2	.00933	.34800	.00107	.04427	-.39453	.00360	.03280

Elem	2203-1	2203-2	1960-1	1960-2	Mo2020	B_2496	Ti3349
Avge	.22060	.09920	.01653	.04127	.04180	.04187	.01267
SDev	.03875	.04639	.01754	.01047	.00915	.01075	.00415
%RSD	17.565	46.760	106.07	25.360	21.879	25.672	32.750
#1	.24800	.13200	.02893	.04867	.04827	.04947	.01560
#2	.19320	.06640	.00413	.03387	.03533	.03427	.00973

Elem	Sn1899	Si2881
Avge	.04880	.07620
SDev	.00189	.00311
%RSD	3.8640	4.0830
#1	.04747	.07400
#2	.05013	.07840

DL 4/22/04

Standardization Rpt. 04/22/04 10:43:43 AM page 1

Method: 6010B Standard: S1
Run Time: 04/22/04 10:41:57

Elem	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
Avge	7.7429	3.4375	1.3305	9.5244	1.5244	37.787	5.0293
SDev	.0104	.0138	.0005	.0006	.0008	.028	.0043
%RSD	.13394	.40044	.03544	.00594	.04948	.07410	.08624
#1	7.7356	3.4277	1.3301	9.5248	1.5249	37.767	5.0324
#2	7.7503	3.4472	1.3308	9.5240	1.5239	37.807	5.0263

Elem	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
Avge	2.3891	3.4958	1.0627	.20080	5.0579	4.2961	11.445
SDev	.0052	.0020	.0062	.00132	.0042	.0789	.000
%RSD	.21705	.05664	.58556	.65734	.08387	1.8369	.00247
#1	2.3928	3.4972	1.0671	.20173	5.0609	4.3519	11.445
#2	2.3855	3.4944	1.0583	.19987	5.0549	4.2403	11.445

Elem	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
Avge	1.5161	2.3714	.99960	2.9550	1.4947	5.0048	8.6806
SDev	.0013	.0555	.01395	.0054	.0286	.0168	.2458
%RSD	.08706	2.3417	1.3959	.18186	1.9112	.33532	2.8315
#1	1.5171	2.4107	1.0095	2.9588	1.5149	5.0167	8.5068
#2	1.5152	2.3321	.98973	2.9512	1.4745	4.9929	8.8544

Elem	2203-1	2203-2	1960-1	1960-2	Mo2020	B_2496	Ti3349
Avge	31.080	19.076	7.3230	6.3684	12.889	3.7749	11.201
SDev	.053	.462	.0135	.2038	.055	.0469	.006
%RSD	.16988	2.4213	.18411	3.2007	.42644	1.2413	.05135
#1	31.117	18.749	7.3135	6.2243	12.850	3.7417	11.205
#2	31.042	19.402	7.3325	6.5125	12.928	3.8080	11.197

Elem	Sn1899	Si2881
Avge	11.490	1.6102
SDev	.001	.0044
%RSD	.01067	.27520
#1	11.491	1.6133
#2	11.489	1.6071

ca 4/22 2pm

Standardization Rpt. 04/22/04 10:45:48 AM

Method: 6010B Standard: S2
Run Time: 04/22/04 10:43:55

Elem	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
Avge	16.202	7.1773	2.7031	19.653	3.1652	78.580	10.412
SDev	.226	.0635	.0337	.248	.0388	.988	.128
%RSD	1.3919	.88536	1.2452	1.2617	1.2272	1.2578	1.2306
#1	16.043	7.1324	2.6793	19.477	3.1377	77.882	10.321
#2	16.362	7.2223	2.7269	19.828	3.1927	79.279	10.503

Elem	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
Avge	4.9534	7.2559	2.1927	.41280	10.425	8.8881	23.716
SDev	.0584	.0933	.0252	.00415	.125	.1124	.324
%RSD	1.1782	1.2864	1.1480	1.0049	1.1965	1.2644	1.3663
#1	4.9121	7.1899	2.1749	.40987	10.337	8.8087	23.487
#2	4.9947	7.3219	2.2105	.41573	10.513	8.9676	23.945

Elem	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
Avge	3.1726	4.7573	2.0598	6.0617	3.9192	10.283	18.094
SDev	.0374	.1025	.0223	.0724	.0507	.127	.213
%RSD	1.1798	2.1542	1.0848	1.1945	1.2942	1.2351	1.1792
#1	3.1461	4.6848	2.0440	6.0105	3.8833	10.193	17.943
#2	3.1991	4.8297	2.0756	6.1129	3.9551	10.372	18.244

Elem	2203-1	2203-2	1960-1	1960-2	Mo2020	B_2496	Ti3349
Avge	64.965	40.352	15.327	13.546	27.109	8.0330	23.394
SDev	.883	.436	.209	.180	.388	.1343	.272
%RSD	1.3587	1.0802	1.3625	1.3259	1.4329	1.6725	1.1635
#1	64.341	40.043	15.179	13.419	26.834	7.9380	23.201
#2	65.590	40.660	15.474	13.673	27.383	8.1280	23.586

Elem	Sn1899	Si2881
Avge	24.065	3.2817
SDev	.326	.0418
%RSD	1.3528	1.2727
#1	23.835	3.2521
#2	24.295	3.3112

BH 4/22/04

Method: 6010B Standard: S
Run Time: 04/22/04 10:46:01

Elem	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
Avge	31.038	13.716	5.2052	37.004	6.0359	149.69	19.842
SDev	.133	.112	.0251	.141	.0323	.92	.115
%RSD	.42830	.81452	.48180	.38193	.53577	.61587	.57732
#1	30.944	13.637	5.1875	36.904	6.0131	149.04	19.761
#2	31.132	13.795	5.2229	37.103	6.0588	150.34	19.923

Elem	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
Avge	9.4451	13.851	4.1977	.78513	19.720	17.155	45.144
SDev	.0532	.082	.0113	.00330	.101	.113	.261
%RSD	.56299	.59492	.26952	.42029	.51158	.65674	.57871
#1	9.4075	13.793	4.1897	.78280	19.648	17.076	44.959
#2	9.4827	13.909	4.2057	.78747	19.791	17.235	45.328

Elem	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
Avge	6.1170	9.5436	3.9371	11.386	8.9916	19.899	34.783
SDev	.0297	.0609	.0174	.065	.0343	.018	.372
%RSD	.48551	.63819	.44301	.56721	.38166	.08813	1.0701
#1	6.0960	9.5005	3.9248	11.340	8.9673	19.911	34.519
#2	6.1380	9.5867	3.9495	11.432	9.0159	19.886	35.046

Elem	2203-1	2203-2	1960-1	1960-2	Mo2020	B_2496	Ti3349
Avge	124.68	76.713	29.602	25.961	51.803	15.500	44.574
SDev	.17	.925	.068	.317	.422	.149	.196
%RSD	.13816	1.2058	.23059	1.2221	.81499	.96044	.44016
#1	124.55	76.059	29.554	25.736	51.505	15.395	44.436
#2	124.80	77.367	29.651	26.185	52.102	15.605	44.713

Elem	Sn1899	Si2881
Avge	45.929	6.1570
SDev	.321	.0391
%RSD	.69815	.63548
#1	45.702	6.1293
#2	46.156	6.1847

DR 4/22/04

Analysis Report QC Standard 04/22/04 10:51:59 AM page 1

Method: 6010B Sample Name: HMS Operator: DR
Run Time: 04/22/04 10:48:29
Comment: HMS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.078	10.079	10.110	10.178	10.043	20.385	19.785
SDev	.017	.004	.028	.034	.044	.041	.065
%RSD	.16707	.03488	.27347	.33080	.43813	.20150	.32988
#1	10.090	10.077	10.129	10.202	10.074	20.414	19.831
#2	10.066	10.082	10.090	10.154	10.012	20.356	19.739

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50232	5.0130	49.967	2.0009	5.0087	2.5153	10.001
SDev	.00062	.0017	.067	.0035	.0078	.0036	.037
%RSD	.12357	.03382	.13477	.17728	.15619	.14240	.36989
#1	.50276	5.0118	50.015	2.0034	5.0142	2.5178	10.027
#2	.50188	5.0142	49.920	1.9984	5.0031	2.5127	9.9744

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9690	50.551	4.9972	2.5302	48.564	4.9954	4.9510
SDev	.0082	.032	.0050	.0042	.023	.0079	.0057
%RSD	.16599	.06342	.09987	.16691	.04675	.15749	.11572
#1	4.9748	50.574	5.0008	2.5332	48.580	5.0010	4.9551
#2	4.9631	50.528	4.9937	2.5273	48.548	4.9898	4.9469

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.149	10.021	10.086	10.075	10.125	10.098	10.216
SDev	.092	.052	.028	.053	.015	.057	.022
%RSD	.18077	.51645	.28242	.52604	.15084	.56443	.21695
#1	51.214	10.057	10.106	10.112	10.136	10.138	10.232
#2	51.083	9.9840	10.066	10.037	10.114	10.058	10.201

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.110	10.261	10.012	10.075	10.059
SDev	.015	.014	.014	.001	.014
%RSD	.14585	.13551	.13578	.00542	.13434
#1	10.120	10.271	10.021	10.075	10.068
#2	10.100	10.251	10.002	10.075	10.049

DR 4/6 2/pm

Analysis Report 04/22/04 10:59:53 AM page 1

Method: 6010B Sample Name: HMS/100 Operator: DR
Run Time: 04/22/04 10:52:28
Comment: HMS/100
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11703	.12026	.11322	.12672	.12324	.18131	.22976
SDev	.00156	.00000	.00465	.01140	.00813	.00002	.00614
%RSD	1.3309	.00255	4.1056	8.9960	6.5969	.00859	2.6705
#1	.11813	.12026	.11651	.13478	.12899	.18130	.23409
#2	.11593	.12026	.10994	.11866	.11749	.18132	.22542

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00552	.05944	.57922	.02243	.05673	.02192	.09492
SDev	.00001	.00252	.00233	.00006	.00020	.00101	.01199
%RSD	.21992	4.2445	.40230	.26365	.35364	4.5903	12.632
#1	.00551	.06122	.58087	.02248	.05659	.02263	.10339
#2	.00553	.05765	.57758	.02239	.05687	.02121	.08644

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05686	.54695	.05751	.02627	-.94793	.05401	.04479
SDev	.00012	.00788	.00011	.00050	.12485	.00164	.00199
%RSD	.20455	1.4406	.19524	1.9139	13.171	3.0393	4.4371
#1	.05694	.54138	.05759	.02663	L-1.0362	.05285	.04619
#2	.05678	.55252	.05743	.02592	-.85965	.05517	.04338

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.10089	.12001	.12651	.10880	.11353	.12572	.12562
SDev	.03214	.00604	.01231	.00544	.00411	.00940	.01240
%RSD	31.857	5.0349	9.7318	4.9977	3.6229	7.4729	9.8715
#1	-.12362	.12428	.13522	.11265	.11644	.13236	.13439
#2	-.07816	.11574	.11781	.10496	.11063	.11908	.11686

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.13991	.19060	.11061	.12193	.16053
SDev	.02088	.05184	.00025	.00950	.03857
%RSD	14.922	27.197	.22550	7.7889	24.025
#1	.15467	.22726	.11079	.12864	.18780
#2	.12515	.15395	.11044	.11521	.13326

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Method: 6010B Sample Name: ICV Operator: DR
Run Time: 04/22/04 11:01:18
Comment: ICV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98704	1.0686	1.0096	1.0192	.98756	2.6487	.50934
SDev	.00357	.0079	.0002	.0043	.00244	.0132	.00030
%RSD	.36146	.74153	.02424	.42284	.24743	.49824	.05821
#1	.98451	1.0630	1.0094	1.0223	.98929	2.6394	.50913
#2	.98956	1.0742	1.0097	1.0162	.98583	2.6580	.50955

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48960	.50385	10.048	.49341	.49166	.47466	4.7738
SDev	.00093	.00184	.030	.00196	.00197	.00168	.0371
%RSD	.19050	.36432	.29915	.39727	.40108	.35386	.77653
#1	.48894	.50255	10.027	.49202	.49027	.47347	4.7476
#2	.49026	.50514	10.070	.49480	.49306	.47584	4.8000

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50136	6.0264	.50264	.50225	10.636	.49746	1.0106
SDev	.00123	.0223	.00318	.00231	.541	.00212	.0008
%RSD	.24625	.36969	.63277	.46044	5.0875	.42544	.08333
#1	.50049	6.0107	.50039	.50061	10.253	.49597	1.0100
#2	.50224	6.0422	.50489	.50389	11.019	.49896	1.0112

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.856	.98755	.98437	.99978	1.0126	1.0185	1.0180
SDev	.061	.00079	.00891	.00269	.0010	.0025	.0077
%RSD	.55856	.07971	.90562	.26923	.09648	.24862	.75890
#1	10.813	.98699	.99068	.99788	1.0133	1.0167	1.0234
#2	10.899	.98811	.97807	1.0017	1.0120	1.0203	1.0125

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.0302	5.0203	5.0337	5.0312	5.0358
SDev	.0149	.0143	.0149	.0163	.0243
%RSD	.29522	.28481	.29528	.32369	.48239
#1	5.0197	5.0102	5.0232	5.0197	5.0186
#2	5.0407	5.0304	5.0443	5.0427	5.0530

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Analysis Report QC Standard 04/22/04 11:10:46 AM page 1

Method: 6010B Sample Name: ICB Operator: DR
Run Time: 04/22/04 11:07:05
Comment: ICB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	-.00325	.00197	-.00066	.00287	-.01966	-.00411
SDev	.00006	.00887	.00016	.00090	.00157	.00438	.00010
%RSD	6.3542	273.44	8.0320	137.34	54.746	22.289	2.4096
#1	.00090	.00303	.00208	-.00002	.00399	-.02276	-.00404
#2	.00098	-.00952	.00185	-.00129	.00176	-.01656	-.00418

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	-.00253	-.00686	-.00050	-.00181	-.00660	-.00416
SDev	.00002	.00002	.00117	.00016	.00084	.00006	.00001
%RSD	66.041	.97817	16.976	31.393	46.053	.83886	.12076
#1	.00005	-.00251	-.00604	-.00039	-.00122	-.00664	-.00417
#2	.00002	-.00255	-.00769	-.00061	-.00241	-.00656	-.00416

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00097	-.01251	-.00019	-.00295	-.07436	-.00136	-.01691
SDev	.00012	.00245	.00045	.00100	.51263	.00035	.00032
%RSD	12.036	19.551	237.77	33.710	689.43	25.971	1.9187
#1	-.00089	-.01078	.00013	-.00225	.28813	-.00111	-.01668
#2	-.00105	-.01424	-.00051	-.00366	-.43684	-.00161	-.01714

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.56640	.00300	-.00059	.00170	.00040	.01077	-.00796
SDev	.05209	.00328	.00184	.00097	.00039	.00675	.00202
%RSD	9.1967	109.21	314.53	56.837	97.945	62.638	25.381
#1	-.52957	.00532	-.00189	.00239	.00012	.01555	-.00939
#2	-.60323	.00068	.00072	.00102	.00067	.00600	-.00653

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00541	-.01523	-.00188	-.00422	.00496
SDev	.00050	.00006	.00042	.00140	.00015
%RSD	9.2992	.40044	22.080	33.132	3.0632
#1	-.00506	-.01519	-.00159	-.00323	.00506
#2	-.00577	-.01527	-.00218	-.00520	.00485

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Method: 6010B Sample Name: CRI Operator: DR
Run Time: 04/22/04 11:16:00
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01940	.01527	.00708	.00963	.12607	.34490	.43419
SDev	.00090	.00217	.00071	.00022	.00023	.00269	.00035
%RSD	4.6320	14.227	10.013	2.2819	.18068	.78080	.07982
#1	.02004	.01681	.00658	.00979	.12591	.34680	.43395
#2	.01877	Q.01373	Q.00758	.00948	.12623	.34299	.43444

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01039	.00808	10.710	.02285	.10105	.04296	.16457
SDev	.00003	.00021	.022	.00008	.00050	.00022	.01796
%RSD	.28590	2.6078	.20887	.34387	.49615	.51736	10.915
#1	.01037	.00793	10.694	.02291	.10070	.04280	.17727
#2	.01041	.00823	10.726	.02280	.10141	.04312	.15187

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03084	10.584	.08313	.01865	8.9826	.09955	.04305
SDev	.00014	.033	.00062	.00008	.0065	.00082	.00020
%RSD	.45321	.30804	.75107	.45230	.07182	.82393	.46353
#1	.03074	10.561	.08268	.01871	8.9780	.09897	.04319
#2	.03094	10.607	.08357	.01859	8.9871	.10013	.04291

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.4855	.12607	.12286	.00635	.00564	.01503	.00534
SDev	.0393	.00141	.00213	.00145	.00034	.00224	.00079
%RSD	.46367	1.1158	1.7364	22.882	5.9702	14.905	14.771
#1	8.4577	.12507	.12437	.00533	.00540	.01661	.00478
#2	8.5134	.12706	.12136	.00738	.00588	.01345	.00590

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.20958	.18978	.20706	.19611	.23010
SDev	.00061	.00311	.00033	.00117	.00030
%RSD	.29172	1.6389	.16061	.59887	.13197
#1	.21001	.18759	.20682	.19694	.22989
#2	.20914	.19198	.20729	.19528	.23032

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Analysis Report QC Standard 04/22/04 11:24:00 AM page 1

Method: 6010B Sample Name: ICSA Operator: DR
Run Time: 04/22/04 11:22:09
Comment: ICSA
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	-.01092	-.00204	.00307	.00035	516.08	-.00403
SDev	.00277	.00109	.00267	.00136	.00119	.07	.00018
%RSD	805.46	9.9509	130.96	44.204	337.14	.01368	4.5712
#1	-.00230	-.01015	-.00393	.00211	-.00049	516.13	-.00416
#2	.00161	-.01168	-.00015	.00403	.00119	516.03	-.00390

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	-.00135	450.49	.02276	-.00165	-.00371	181.23
SDev	.00000	.00011	.41	.00063	.00094	.00072	1.37
%RSD	.38272	8.1926	.09083	2.7606	56.811	19.531	.75616
#1	.00004	-.00143	450.20	.02232	-.00231	-.00422	180.26
#2	.00004	-.00127	450.78	.02321	-.00099	-.00320	182.20

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.01491	522.64	-.00395	-.01035	-.17331	-.00418	-.00139
SDev	.00005	1.21	.00051	.00082	.34192	.00006	.00013
%RSD	.31115	.23066	12.861	7.9126	197.29	1.4663	9.3424
#1	-.01495	521.79	-.00359	-.01093	-.41509	-.00414	-.00148
#2	-.01488	523.50	-.00431	-.00977	.06846	-.00423	-.00130

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.29995	-.00370	.00526	.18253	-.09629	.04141	-.01787
SDev	.01441	.00194	.00746	.00008	.00391	.00360	.00383
%RSD	4.8035	52.615	141.85	.04624	4.0597	8.6930	21.462
#1	-.31013	-.00232	-.00002	.18259	-.09905	.04396	-.02058
#2	-.28976	-.00507	.01053	.18247	-.09352	.03887	-.01516

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.01498	-.01351	-.01426	-.00354	.02514
SDev	.00115	.00116	.00025	.00130	.00471
%RSD	7.6845	8.5800	1.7494	36.567	18.722
#1	-.01416	-.01269	-.01443	-.00446	.02181
#2	-.01579	-.01432	-.01408	-.00263	.02847

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Analysis Report QC Standard 04/22/04 11:27:54 AM page 1

Method: 6010B Sample Name: ICSAB Operator: DR
Run Time: 04/22/04 11:24:48
Comment: ICSAB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08414	.07600	.04072	.04966	.51291	450.09	.44783
SDev	.00030	.00250	.00195	.00169	.00293	.68	.00039
%RSD	.35929	3.2851	4.7934	3.4009	.57135	.15206	.08790
#1	.08392	.07776	.03934	.05086	.51499	449.61	.44755
#2	.08435	.07423	.04210	.04847	.51084	450.58	.44811

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40266	.78617	398.00	.39670	.37941	.40832	158.22
SDev	.00045	.00272	.61	.00033	.00044	.00015	.22
%RSD	.11137	.34566	.15269	.08401	.11473	.03676	.14007
#1	.40234	.78425	397.57	.39647	.37972	.40842	158.07
#2	.40298	.78809	398.43	.39694	.37911	.40821	158.38

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38665	454.76	.74746	.17142	.50218	.39925	.84206
SDev	.00035	.66	.00316	.00078	.25408	.00024	.00044
%RSD	.09032	.14476	.42227	.45822	50.596	.06113	.05166
#1	.38640	454.30	.74523	.17198	.32252	.39908	.84236
#2	.38690	455.23	.74969	.17087	.68185	.39942	.84175

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.31915	.51141	.51272	.19561	-.03841	.07739	.03412
SDev	.02383	.00610	.00342	.00326	.00455	.00419	.00030
%RSD	7.4663	1.1932	.66753	1.6653	11.852	5.4088	.88260
#1	-.33600	.51573	.51030	.19792	-.04163	.08035	.03434
#2	-.30230	.50710	.51514	.19331	-.03519	.07443	.03391

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.01383	-.01385	-.01224	-.00465	.02214
SDev	.00011	.00189	.00015	.00006	.00562
%RSD	.78003	13.650	1.1883	1.3074	25.380
#1	-.01391	-.01519	-.01235	-.00469	.01816
#2	-.01376	-.01251	-.01214	-.00460	.02611

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Analysis Report QC Standard 04/22/04 11:29:58 AM page 1

Method: 6010B Sample Name: CCC Operator: DR
Run Time: 04/22/04 11:28:09
Comment: CCC
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9857	3.9842	3.9766	4.0407	4.0827	8.2978	7.9953
SDev	.0244	.0228	.0345	.0284	.0317	.0082	.0158
%RSD	.61335	.57340	.86719	.70263	.77683	.09824	.19742
#1	3.9684	3.9680	3.9522	4.0206	4.0602	8.2920	7.9841
#2	4.0030	4.0003	4.0010	4.0608	4.1051	8.3036	8.0064

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19786	1.9962	20.071	.77956	1.9447	.95953	4.0907
SDev	.00085	.0112	.076	.00414	.0098	.00196	.0036
%RSD	.43075	.56011	.37849	.53050	.50533	.20436	.08796
#1	.19726	1.9883	20.017	.77663	1.9378	.95814	4.0882
#2	.19846	2.0041	20.124	.78248	1.9517	.96091	4.0933

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9539	20.003	1.9689	1.0154	19.023	1.9288	1.9746
SDev	.0079	.093	.0108	.0022	.060	.0065	.0079
%RSD	.40501	.46317	.54967	.21469	.31736	.33487	.40239
#1	1.9483	19.938	1.9612	1.0139	18.980	1.9242	1.9689
#2	1.9595	20.069	1.9765	1.0170	19.066	1.9333	1.9802

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.389	4.1091	4.0265	3.9686	3.9784	4.0434	4.0377
SDev	.052	.0377	.0197	.0327	.0356	.0310	.0270
%RSD	.26824	.91736	.49015	.82458	.89598	.76625	.66762
#1	19.353	4.0825	4.0125	3.9455	3.9532	4.0214	4.0186
#2	19.426	4.1358	4.0404	3.9918	4.0036	4.0653	4.0568

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.9344	3.9665	3.8472	3.8436	4.1655
SDev	.0182	.0211	.0134	.0249	.0140
%RSD	.46208	.53199	.34956	.64852	.33536
#1	3.9215	3.9516	3.8377	3.8260	4.1556
#2	3.9472	3.9814	3.8567	3.8612	4.1754

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Analysis Report QC Standard 04/22/04 11:32:12 AM page 1

Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 11:30:24
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9864	5.0856	4.9762	5.0402	4.9082	9.8660	9.9287
SDev	.0089	.0031	.0069	.0124	.0214	.0267	.0324
%RSD	.17901	.06080	.13883	.24700	.43595	.27098	.32593
#1	4.9928	5.0878	4.9811	5.0490	4.9233	9.8849	9.9516
#2	4.9801	5.0834	4.9713	5.0314	4.8931	9.8471	9.9058

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24724	2.4991	24.607	.97545	2.4414	1.1996	4.9432
SDev	.00034	.0016	.042	.00059	.0033	.0009	.0000
%RSD	.13533	.06471	.16950	.06026	.13554	.07465	.00053
#1	.24748	2.5003	24.637	.97586	2.4438	1.2002	4.9432
#2	.24700	2.4980	24.578	.97503	2.4391	1.1989	4.9432

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4428	24.651	2.4718	1.2449	22.967	2.4136	2.4634
SDev	.0047	.024	.0048	.0022	.160	.0019	.0028
%RSD	.19056	.09590	.19326	.17818	.69792	.07781	.11540
#1	2.4461	24.668	2.4752	1.2465	23.080	2.4149	2.4654
#2	2.4396	24.634	2.4684	1.2434	22.854	2.4123	2.4614

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.182	4.9369	4.8475	4.9643	4.9801	5.0299	5.0436
SDev	.029	.0342	.0042	.0292	.0042	.0302	.0035
%RSD	.11916	.69266	.08745	.58861	.08495	.59968	.06866
#1	24.203	4.9610	4.8445	4.9850	4.9771	5.0512	5.0460
#2	24.162	4.9127	4.8505	4.9436	4.9831	5.0086	5.0411

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.9897	5.0155	4.8534	4.8990	5.2222
SDev	.0085	.0053	.0082	.0019	.0158
%RSD	.17046	.10579	.16796	.03926	.30239
#1	4.9957	5.0193	4.8692	4.9004	5.2334
#2	4.9837	5.0118	4.8576	4.8977	5.2110

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Analysis Report QC Standard 04/22/04 11:41:02 AM page 1

Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 11:32:43
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	.00441	.00212	-.00039	.00252	.00933	-.00243
SDev	.00039	.00129	.00076	.00200	.00340	.03367	.00148
%RSD	40.794	29.350	35.798	510.81	134.97	360.94	61.135
#1	.00124	.00349	.00265	.00102	.00011	.03314	-.00138
#2	.00068	.00532	.00158	-.00180	.00493	-.01448	-.00348

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	-.00172	.02362	.00036	-.00035	-.00640	-.00797
SDev	.00005	.00060	.02284	.00141	.00184	.00045	.03200
%RSD	123.19	34.600	96.684	392.25	526.97	7.0384	401.52
#1	.00007	-.00130	.03977	.00136	.00095	-.00608	.01466
#2	.00000	-.00214	.00747	-.00064	-.00165	-.00672	-.03060

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00148	.02669	-.00067	-.00201	.46078	.00014	-.00040
SDev	.00042	.02798	.00063	.00158	.42182	.00082	.00056
%RSD	28.328	104.87	95.045	78.845	91.545	596.44	139.53
#1	.00177	.04647	-.00022	-.00089	.75905	.00072	-.00001
#2	.00118	.00690	-.00111	-.00313	.16251	-.00045	-.00079

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.49273	.00194	.00048	.00416	-.00070	.00191	-.00314
SDev	.08534	.00376	.00269	.00104	.00062	.00088	.00344
%RSD	17.320	193.63	559.84	25.078	87.729	46.262	109.55
#1	-.43239	-.00072	-.00142	.00490	-.00027	.00128	-.00071
#2	-.55308	.00459	.00239	.00343	-.00114	.00253	-.00557

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00459	-.01113	-.00088	-.00503	.00710
SDev	.00124	.00134	.00075	.00332	.00865
%RSD	27.044	12.051	84.709	65.979	121.83
#1	-.00371	-.01018	-.00035	-.00268	.01322
#2	-.00547	-.01208	-.00141	-.00738	.00098

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Method: 6010B Sample Name: PB13516BL Operator: DR
Run Time: 04/22/04 11:44:34
Comment: PBW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.00086	-.00019	-.00376	-.00331	-.02275	-.00470
SDev	.00006	.00224	.00220	.00141	.00083	.00586	.00015
%RSD	29.495	258.99	1180.5	37.531	25.075	25.772	3.1549
#1	-.00025	.00245	.00137	-.00276	-.00272	-.02690	-.00481
#2	-.00016	-.00072	-.00174	-.00476	-.00390	-.01861	-.00460

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00256	-.00423	-.00051	-.00066	-.00802	-.02798
SDev	.00001	.00039	.00023	.00033	.00114	.00106	.01107
%RSD	36.349	15.105	5.5126	64.896	173.24	13.249	39.569
#1	-.00005	-.00283	-.00439	-.00075	-.00146	-.00877	-.03581
#2	-.00003	-.00228	-.00406	-.00028	.00015	-.00727	-.02015

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	-.00578	-.00154	-.00340	.29375	-.00078	-.00113
SDev	.00009	.00000	.00064	.00077	.41090	.00070	.00024
%RSD	10.883	.00000	41.794	22.679	139.88	90.777	21.087
#1	.00079	-.00578	-.00200	-.00394	.00319	-.00127	-.00130
#2	.00092	-.00578	-.00109	-.00285	.58430	-.00028	-.00097

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.57776	-.00541	-.00230	.00096	-.00256	-.00182	-.00633
SDev	.06262	.00103	.00042	.00137	.00261	.00136	.00144
%RSD	10.838	19.082	18.398	141.97	102.05	74.475	22.749
#1	-.62204	-.00468	-.00200	.00193	-.00071	-.00086	-.00531
#2	-.53348	-.00614	-.00260	-.00000	-.00441	-.00278	-.00735

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00581	-.01700	-.00215	-.00548	-.00073
SDev	.00085	.00000	.00025	.00087	.00000
%RSD	14.550	.00000	11.616	15.898	.00000
#1	-.00641	-.01700	-.00232	-.00609	-.00073
#2	-.00521	-.01700	-.00197	-.00486	-.00073

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Method: 6010B Sample Name: PB13515BL Operator: DR
Run Time: 04/22/04 11:46:31
Comment: PBW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	-.00220	-.00075	-.00060	-.00111	-.02535	-.00498
SDev	.00015	.00237	.00036	.00303	.00477	.00366	.00005
%RSD	81.369	108.04	47.911	506.04	430.45	14.447	.99525
#1	-.00008	-.00052	-.00049	.00154	-.00448	-.02794	-.00502
#2	-.00029	-.00388	-.00100	-.00274	.00226	-.02276	-.00495

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00277	-.00653	-.00036	-.00170	-.00778	-.01665
SDev	.00001	.00023	.00023	.00016	.00053	.00050	.00985
%RSD	17.045	8.3577	3.5663	43.466	31.521	6.4637	59.170
#1	-.00005	-.00261	-.00637	-.00047	-.00207	-.00743	-.00969
#2	-.00004	-.00294	-.00670	-.00025	-.00132	-.00814	-.02362

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	-.00751	-.00040	-.00331	.15759	-.00144	-.00142
SDev	.00002	.00082	.00087	.00026	.13399	.00023	.00008
%RSD	3.0050	10.850	218.07	7.9668	85.022	16.292	5.7960
#1	.00079	-.00809	-.00101	-.00350	.25234	-.00161	-.00148
#2	.00075	-.00694	.00022	-.00312	.06285	-.00127	-.00136

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.58677	.00101	-.00856	.00411	-.00497	.00563	-.00531
SDev	.03657	.00703	.00024	.00028	.00068	.00432	.00238
%RSD	6.2330	692.51	2.8255	6.8302	13.625	76.767	44.918
#1	-.61264	-.00395	-.00873	.00391	-.00449	.00869	-.00362
#2	-.56091	.00598	-.00839	.00431	-.00545	.00257	-.00699

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00647	-.01721	-.00226	-.00850	.00667
SDev	.00049	.00043	.00012	.00166	.00167
%RSD	7.5044	2.4800	5.5063	19.539	25.023
#1	-.00613	-.01691	-.00218	-.00967	.00549
#2	-.00681	-.01752	-.00235	-.00732	.00786

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Analysis Report QC Standard 04/22/04 11:51:18 AM page 1

Method: 6010B Sample Name: PB13516BS Operator: DR
Run Time: 04/22/04 11:49:32
Comment: LCSW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79248	2.0604	1.0235	2.0130	.81892	1.9477	.20447
SDev	.00156	.0266	.0042	.0042	.00169	.0044	.00069
%RSD	.19698	1.2889	.40551	.21047	.20690	.22642	.33877
#1	.79137	2.0416	1.0206	2.0100	.82012	1.9445	.20398
#2	.79358	2.0792	1.0265	2.0160	.81773	1.9508	.20496

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20099	.20666	1.0241	.40496	.19984	.28375	2.9698
SDev	.00099	.00111	.0037	.00210	.00124	.00078	.0074
%RSD	.49201	.53555	.36406	.51795	.61876	.27602	.24783
#1	.20029	.20587	1.0215	.40348	.19896	.28320	2.9646
#2	.20169	.20744	1.0267	.40644	.20071	.28430	2.9750

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20424	2.0044	.51508	.07419	2.6050	.29353	.22201
SDev	.00109	.0079	.00266	.00023	.3569	.00165	.00100
%RSD	.53556	.39311	.51632	.31316	13.702	.56085	.45114
#1	.20347	1.9988	.51320	.07403	Q2.3526	.29236	.22130
#2	.20502	2.0099	.51696	.07435	2.8574	.29469	.22272

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.6554	.82536	.80283	1.0163	1.0252	2.0004	2.0177
SDev	.0087	.00048	.00413	.0015	.0070	.0032	.0078
%RSD	.10070	.05776	.51483	.14790	.68019	.16247	.38822
#1	8.6493	.82570	.80576	1.0173	1.0202	2.0027	2.0121
#2	8.6616	.82502	.79991	1.0152	1.0301	1.9981	2.0232

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.39922	.27638	.19599	.70933	Q1.1486
SDev	.00110	.00360	.00106	.00397	.0056
%RSD	.27476	1.3019	.54087	.55951	.48911
#1	.39845	.27384	.19524	.70653	Q1.1447
#2	.40000	.27892	.19674	.71214	Q1.1526

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Analysis Report QC Standard 04/22/04 11:53:19 AM page 1

Method: 6010B Sample Name: PB13515BS Operator: DR
Run Time: 04/22/04 11:51:31
Comment: LCSW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79650	2.0704	1.0321	2.0273	.82096	1.9464	.20471
SDev	.00413	.0026	.0030	.0004	.00412	.0048	.00054
%RSD	.51890	.12764	.29316	.02068	.50196	.24449	.26582
#1	.79943	2.0723	1.0300	2.0270	.81805	1.9497	.20510
#2	.79358	2.0685	1.0342	2.0276	.82388	1.9430	.20433

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20155	.20695	1.0264	.40643	.20106	.28407	2.9628
SDev	.00028	.00030	.0009	.00006	.00017	.00067	.0123
%RSD	.13628	.14661	.09081	.01450	.08306	.23625	.41538
#1	.20174	.20674	1.0271	.40639	.20095	.28454	2.9715
#2	.20136	.20717	1.0257	.40647	.20118	.28359	2.9541

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20464	2.0178	.51868	.07465	2.5987	.29419	.22261
SDev	.00021	.0003	.00082	.00057	.2042	.00047	.00048
%RSD	.10230	.01346	.15783	.76243	7.8594	.15962	.21586
#1	.20479	2.0176	.51810	.07424	2.7431	.29452	.22295
#2	.20449	2.0180	.51926	.07505	Q2.4543	.29386	.22227

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.6789	.82472	.81023	1.0226	1.0348	2.0152	2.0315
SDev	.0162	.00258	.00721	.0026	.0059	.0003	.0008
%RSD	.18719	.31246	.89033	.25846	.56588	.01256	.03715
#1	8.6674	.82290	.80513	1.0245	1.0307	2.0154	2.0310
#2	8.6904	.82655	.81533	1.0208	1.0390	2.0150	2.0321

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.40041	.28112	.19605	.71354	Q1.1444
SDev	.00029	.00104	.00027	.00024	.0006
%RSD	.07186	.36880	.13783	.03405	.05307
#1	.40020	.28039	.19624	.71337	Q1.1440
#2	.40061	.28186	.19586	.71371	Q1.1449

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Analysis Report 04/22/04 11:58:08 AM page 1

Method: 6010B Sample Name: S2032-07 Operator: DR
Run Time: 04/22/04 11:54:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00719	-.00009	.00237	.00018	-.01732	.00356
SDev	.00039	.00671	.00185	.00491	.00374	.00550	.00015
%RSD	710.59	93.315	2037.5	207.49	2039.1	31.741	4.1720
#1	.00022	.01193	.00122	.00584	.00282	-.01343	.00366
#2	-.00033	.00244	-.00140	-.00111	-.00246	-.02120	.00345

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00285	.48349	.00082	-.00082	-.00518	-.03757
SDev	.00005	.00033	.00256	.00069	.00023	.00028	.00984
%RSD	98.673	11.584	.53014	83.932	28.460	5.4104	26.179
#1	.00009	-.00262	.48168	.00130	-.00066	-.00498	-.03062
#2	.00002	-.00309	.48530	.00033	-.00099	-.00538	-.04453

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.43014	-.00099	-.00335	2.8585	.00006	.02023
SDev	.00005	.00190	.00093	.00100	.2020	.00094	.00040
%RSD	3.9331	.44216	93.864	29.865	7.0658	1708.7	2.0000
#1	.00122	.42879	-.00033	-.00264	2.7157	.00072	.01994
#2	.00115	.43148	-.00165	-.00405	3.0013	-.00061	.02051

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.52643	.00101	-.00468	.00448	-.00417	.00826	-.00218
SDev	.05098	.00328	.00466	.00050	.00252	.00325	.00574
%RSD	9.6844	323.96	99.517	11.196	60.421	39.338	263.87
#1	-.49038	.00333	-.00139	.00483	-.00239	.01056	.00188
#2	-.56248	-.00131	-.00797	.00412	-.00595	.00596	-.00623

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00655	-.00014	-.00160	-.01027	4.6072
SDev	.00095	.00018	.00006	.00000	.0513
%RSD	14.559	133.88	3.8887	.00000	1.1139
#1	-.00587	-.00001	-.00156	-.01027	4.6435
#2	-.00722	-.00027	-.00165	-.01027	4.5709

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Analysis Report 04/22/04 11:59:56 AM page 1

Method: 6010B Sample Name: S2032-08 Operator: DR
Run Time: 04/22/04 11:58:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00135	.00642	-.00007	-.00219	-.00466	-.01214	.00135
SDev	.00012	.00793	.00033	.00402	.00198	.00475	.00010
%RSD	8.8995	123.62	445.00	183.78	42.589	39.117	7.3211
#1	-.00143	.00081	.00016	.00066	-.00325	-.01550	.00128
#2	-.00126	.01202	-.00030	-.00503	-.00606	-.00878	.00142

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	-.00292	2.3624	.00187	-.00082	-.00668	-.05064
SDev	.00004	.00000	.0037	.00006	.00064	.00039	.00124
%RSD	51.131	.00127	.15782	3.1400	77.312	5.8566	2.4409
#1	.00010	-.00292	2.3597	.00191	-.00037	-.00640	-.05151
#2	.00005	-.00292	2.3650	.00183	-.00127	-.00696	-.04976

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00252	.67855	-.00047	-.00362	2.6167	.00031	.01547
SDev	.00002	.00109	.00052	.00000	.0169	.00035	.00028
%RSD	.92215	.16016	110.89	.01499	.64479	115.30	1.8220
#1	.00253	.67778	-.00084	-.00362	2.6287	.00055	.01567
#2	.00250	.67932	-.00010	-.00362	2.6048	.00006	.01527

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.28388	-.00409	-.00899	.00366	-.00373	.00420	-.00698
SDev	.03269	.00319	.00043	.00382	.00142	.00767	.00220
%RSD	11.517	77.819	4.7361	104.42	37.952	182.51	31.547
#1	-.26076	-.00184	-.00929	.00636	-.00474	.00962	-.00542
#2	-.30700	-.00635	-.00869	.00096	-.00273	-.00122	-.00853

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00685	-.00484	-.00115	-.00980	6.4533
SDev	.00016	.00183	.00029	.00103	.0115
%RSD	2.3622	37.824	25.350	10.537	.17883
#1	-.00697	-.00354	-.00135	-.01053	6.4614
#2	-.00674	-.00613	-.00094	-.00907	6.4451

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Analysis Report 04/22/04 12:05:07 PM page 1

Method: 6010B Sample Name: S2032-09 Operator: DR
Run Time: 04/22/04 12:00:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00177	-.00018	-.00396	-.00246	-.01578	.00107
SDev	.00135	.00447	.00103	.00092	.00204	.00035	.00010
%RSD	965.06	252.62	588.74	23.273	82.661	2.2342	9.2196
#1	.00081	.00139	-.00091	-.00330	-.00102	-.01603	.00114
#2	-.00109	-.00493	.00056	-.00461	-.00390	-.01553	.00100

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	-.00297	.53556	.00076	-.00141	-.00731	-.03581
SDev	.00003	.00009	.00210	.00049	.00147	.00173	.01723
%RSD	607.67	3.0393	.39159	64.294	104.13	23.712	48.101
#1	.00002	-.00303	.53408	.00111	-.00037	-.00609	-.02363
#2	-.00003	-.00290	.53704	.00042	-.00245	-.00854	-.04800

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00087	.45070	-.00048	-.00416	2.9505	-.00111	.01772
SDev	.00002	.00109	.00025	.00108	.1315	.00071	.00033
%RSD	2.7156	.24114	51.434	25.957	4.4572	63.765	1.8373
#1	.00085	.45146	-.00065	-.00340	3.0435	-.00061	.01749
#2	.00089	.44993	-.00030	-.00492	2.8575	-.00160	.01795

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.63184	-.00243	-.00572	.00498	-.00455	.00052	-.00779
SDev	.05708	.00346	.00082	.00180	.00065	.00095	.00091
%RSD	9.0336	142.33	14.402	36.088	14.351	181.79	11.643
#1	-.59148	.00002	-.00631	.00371	-.00501	.00119	-.00715
#2	-.67220	-.00488	-.00514	.00625	-.00408	-.00015	-.00843

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00700	-.00811	-.00209	-.00853	4.7101
SDev	.00031	.00037	.00004	.00057	.0237
%RSD	4.3647	4.5094	1.9904	6.6493	.50289
#1	-.00722	-.00837	-.00206	-.00813	4.6933
#2	-.00679	-.00786	-.00212	-.00893	4.7268

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Method: 6010B Sample Name: S2032-10 Operator: DR
Run Time: 04/22/04 12:05:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	-.00556	.00035	.00041	-.00005	-.03077	-.00274
SDev	.00249	.00305	.00127	.00052	.00092	.00036	.00015
%RSD	252.44	54.829	367.49	126.27	1768.5	1.1771	5.4128
#1	-.00274	-.00772	.00125	.00078	-.00070	-.03051	-.00264
#2	.00077	-.00341	-.00055	.00004	.00060	-.03103	-.00285

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	-.00273	1.3129	.00197	-.00132	-.00743	-.03322
SDev	.00003	.00008	.0035	.00012	.00033	.00022	.00124
%RSD	121.32	2.8361	.26622	5.9713	25.370	3.0029	3.7303
#1	.00004	-.00278	1.3154	.00188	-.00108	-.00759	-.03234
#2	.00000	-.00267	1.3105	.00205	-.00155	-.00727	-.03410

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00275	.49623	-.00103	-.00413	1.8233	-.00003	.01811
SDev	.00002	.00190	.00037	.00035	.0303	.00059	.00024
%RSD	.84920	.38327	35.833	8.3533	1.6602	2286.4	1.3336
#1	.00276	.49757	-.00129	-.00389	1.8448	-.00044	.01829
#2	.00273	.49488	-.00077	-.00438	1.8019	.00039	.01794

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.39477	.00303	-.00942	.00531	-.00413	.00387	-.00292
SDev	.01441	.00230	.00735	.00094	.00144	.00372	.00108
%RSD	3.6497	75.837	78.039	17.731	34.870	96.276	37.130
#1	-.38458	.00465	-.01462	.00598	-.00311	.00650	-.00368
#2	-.40496	.00140	-.00422	.00465	-.00515	.00123	-.00215

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00778	-.00863	-.00234	-.01076	6.0439
SDev	.00079	.00012	.00006	.00109	.0408
%RSD	10.171	1.4130	2.6666	10.162	.67581
#1	-.00834	-.00872	-.00229	-.00999	6.0728
#2	-.00722	-.00855	-.00238	-.01153	6.0150

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Method: 6010B Sample Name: S2032-11 Operator: DR
Run Time: 04/22/04 12:07:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00139	.00066	-.00363	-.00440	-.01371	.00698
SDev	.00015	.00027	.00034	.00063	.00303	.00111	.00015
%RSD	46.231	19.186	52.000	17.420	68.941	8.1091	2.1235
#1	.00022	.00120	.00042	-.00407	-.00226	-.01450	.00688
#2	.00044	.00158	.00090	-.00318	-.00655	-.01293	.00709

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	-.00304	.69127	.00204	-.00172	-.00755	-.03930
SDev	.00003	.00003	.00047	.00112	.00064	.00184	.01229
%RSD	653.37	1.0037	.06742	54.833	36.930	24.434	31.280
#1	-.00002	-.00307	.69160	.00125	-.00217	-.00885	-.04799
#2	.00002	-.00302	.69094	.00283	-.00127	-.00624	-.03061

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00110	.75771	-.00062	-.00467	3.7425	-.00135	.02086
SDev	.00016	.00272	.00000	.00089	.3781	.00129	.00040
%RSD	14.774	.35858	.03949	18.949	10.104	95.561	1.9151
#1	.00099	.75963	-.00062	-.00530	3.4751	-.00227	.02057
#2	.00122	.75578	-.00062	-.00405	4.0099	-.00044	.02114

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.75409	-.00499	-.00643	.00331	-.00266	.00090	-.00759
SDev	.07481	.00127	.00657	.00015	.00044	.00136	.00148
%RSD	9.9206	25.450	102.21	4.6712	16.396	150.64	19.548
#1	-.80699	-.00409	-.00178	.00320	-.00297	.00186	-.00663
#2	-.70119	-.00589	-.01107	.00342	-.00236	-.00006	-.00654

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00792	-.00807	-.00228	-.01158	4.3095
SDev	.00034	.00091	.00023	.00063	.0041
%RSD	4.3143	11.334	10.030	5.4223	.09513
#1	-.00768	-.00872	-.00244	-.01202	4.3124
#2	-.00816	-.00742	-.00212	-.01113	4.3066

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Method: 6010B Sample Name: S2032-12 Operator: DR
Run Time: 04/22/04 12:09:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00140	-.00212	.00055	-.00090	.00211	.06626	.01129
SDev	.00180	.00495	.00173	.00099	.00277	.00293	.00020
%RSD	127.90	233.69	318.11	109.76	131.25	4.4204	1.7528
#1	.00268	.00138	-.00068	-.00020	.00015	.06833	.01143
#2	.00013	-.00561	.00177	-.00160	.00407	.06418	.01115

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00249	3.0732	-.00014	-.00068	-.00719	-.01845
SDev	.00000	.00028	.0172	.00012	.00050	.00011	.00739
%RSD	.00050	11.420	.56109	84.151	73.762	1.5657	40.042
#1	-.00004	-.00229	3.0610	-.00022	-.00033	-.00711	-.01323
#2	-.00004	-.00269	3.0854	-.00006	-.00103	-.00727	-.02367

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00284	.27529	-.00039	-.00302	5.0949	.00287	.02424
SDev	.00012	.01494	.00023	.00061	.1161	.00000	.00036
%RSD	4.0916	5.4283	57.515	20.210	2.2792	.00284	1.4987
#1	.00276	.26472	-.00055	-.00345	5.0127	.00287	.02398
#2	.00293	.28586	-.00023	-.00258	5.1770	.00287	.02449

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.31562	.00519	-.00725	.00263	-.00250	.00304	-.00457
SDev	.00997	.00206	.00420	.00199	.00359	.00072	.00199
%RSD	3.1604	39.731	57.867	75.533	144.00	23.835	43.480
#1	-.32267	.00373	-.01022	.00404	-.00504	.00253	-.00316
#2	-.30857	.00665	-.00428	.00123	.00005	.00356	-.00597

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00684	.01647	-.00103	-.01059	4.9368
SDev	.00011	.00146	.00029	.00097	.0237
%RSD	1.5777	8.8891	28.243	9.1792	.47980
#1	-.00676	.01543	-.00082	-.00990	4.9201
#2	-.00691	.01750	-.00124	-.01128	4.9536

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 12:11:21
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1558	5.2567	5.1835	5.1865	4.9870	9.9794	9.9163
SDev	.0176	.0555	.0542	.0726	.0274	.0347	.0477
%RSD	.34158	1.0565	1.0454	1.4007	.54932	.34812	.48053
#1	5.1433	5.2174	5.1452	5.1351	4.9677	9.9548	9.8826
#2	5.1682	5.2960	5.2218	5.2379	5.0064	10.004	9.9500

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25242	2.6136	25.522	.99980	2.5133	1.1848	5.0158
SDev	.00086	.0086	.039	.00033	.0052	.0037	.0098
%RSD	.34050	.32785	.15430	.03342	.20618	.31603	.19537
#1	.25182	2.6075	25.494	.99956	2.5096	1.1822	5.0228
#2	.25303	2.6196	25.550	1.0000	2.5169	1.1875	5.0089

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4778	26.250	2.5591	1.2602	24.156	2.4445	2.5073
SDev	.0077	.064	.0019	.0049	.630	.0040	.0122
%RSD	.31278	.24219	.07436	.38824	2.6070	.16314	.48565
#1	2.4723	26.295	2.5578	1.2568	24.602	2.4473	2.4987
#2	2.4833	26.205	2.5605	1.2637	23.711	2.4417	2.5159

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.837	5.0545	4.8487	5.1939	5.1764	5.2202	5.1681
SDev	.217	.0092	.1007	.0229	.0927	.0225	.1201
%RSD	.87237	.18168	2.0760	.44178	1.7907	.43044	2.3246
#1	24.990	5.0610	4.7775	5.2101	5.1108	5.2361	5.0831
#2	24.684	5.0480	4.9199	5.1776	5.2419	5.2043	5.2530

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.1221	5.0492	4.9018	5.0600	Q5.5277
SDev	.0333	.0720	.0176	.0193	.0023
%RSD	.64983	1.4253	.35958	.38217	.04121
#1	5.0986	4.9983	4.8893	5.0464	Q5.5293
#2	5.1456	5.1001	4.9143	5.0737	Q5.5261

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 12:13:52
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	.00575	.00219	.00263	.00542	-.03077	-.00155
SDev	.00291	.00725	.00147	.00157	.00343	.00255	.00015
%RSD	223.82	126.02	67.012	59.606	63.315	8.3027	9.5591
#1	-.00076	.00063	.00323	.00374	.00784	-.02897	-.00166
#2	.00335	Q.01088	.00115	.00152	.00299	-.03258	-.00145

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	-.00134	-.00340	-.00065	-.00094	-.00782	-.01927
SDev	.00001	.00023	.00186	.00014	.00074	.00034	.00123
%RSD	63.504	16.833	54.777	21.041	78.209	4.2904	6.3701
#1	-.00002	-.00118	-.00472	-.00075	-.00146	-.00806	-.02014
#2	-.00001	-.00150	-.00209	-.00056	-.00042	-.00759	-.01841

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	-.00309	.00046	-.00285	.03513	-.00061	.00014
SDev	.00023	.00380	.00119	.00008	.01042	.00023	.00012
%RSD	14.749	122.96	256.84	2.6990	29.668	38.478	85.019
#1	.00141	-.00578	-.00038	-.00291	.04250	-.00078	.00023
#2	.00174	-.00040	.00130	-.00280	.02776	-.00044	.00006

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.75213	.00479	.00346	.00444	-.00093	.00956	-.00243
SDev	.04322	.00572	.00115	.00332	.00055	.00464	.00004
%RSD	5.7468	119.27	33.226	74.834	58.851	48.528	1.4771
#1	-.78270	.00883	.00265	.00679	-.00054	.01284	-.00240
#2	-.72157	.00075	.00428	.00209	-.00131	.00628	-.00245

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	.00051	-.00066	-.00098	.00775
SDev	.00219	.01195	.00023	.00196	.00228
%RSD	481.66	2342.9	34.492	200.20	29.394
#1	.00110	.00896	-.00082	.00041	.00936
#2	-.00201	-.00794	-.00050	-.00237	.00614

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Method: 6010B Sample Name: S2032-13 Operator: DR
Run Time: 04/22/04 12:18:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	-.00705	.00072	-.00142	-.00361	.09523	.01479
SDev	.00093	.00718	.00141	.00209	.00117	.00805	.00020
%RSD	135.09	101.86	194.80	146.79	32.348	8.4514	1.3392
#1	-.00003	-.00197	.00172	-.00290	-.00278	.08954	.01465
#2	-.00134	-.01213	-.00027	.00005	-.00443	.10092	.01493

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	-.00251	3.0061	.00220	-.00118	-.00841	-.00279
SDev	.00001	.00009	.0240	.00018	.00033	.00073	.00985
%RSD	81.000	3.5556	.79841	8.0085	28.418	8.6358	352.48
#1	-.00000	-.00245	2.9891	.00233	-.00141	-.00790	.00417
#2	-.00001	-.00258	3.0231	.00208	-.00094	-.00893	-.00976

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	.27625	-.00078	-.00369	4.9078	.00346	.02113
SDev	.00023	.00326	.00025	.00058	.0620	.00012	.00008
%RSD	7.0714	1.1802	31.402	15.696	1.2639	3.4112	.39392
#1	.00345	.27856	-.00096	-.00328	4.8640	.00354	.02107
#2	.00313	.27394	-.00061	-.00409	4.9517	.00338	.02119

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.30661	-.00148	-.01107	.00540	-.00361	.00545	-.00656
SDev	.01607	.00173	.00698	.00483	.00453	.00779	.00062
%RSD	5.2413	117.19	63.047	89.516	125.42	142.91	9.3973
#1	-.29524	-.00271	-.00613	.00198	-.00041	-.00006	-.00612
#2	-.31797	-.00025	-.01600	.00881	-.00681	.01096	-.00699

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00474	.00931	-.00096	-.00848	4.8327
SDev	.00128	.00195	.00027	.00079	.0213
%RSD	26.932	20.968	28.240	9.3084	.43987
#1	-.00384	.01069	-.00115	-.00793	4.8177
#2	-.00564	.00793	-.00077	-.00904	4.8477

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Method: 6010B Sample Name: S2032-14 Operator: DR
Run Time: 04/22/04 12:20:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00182	.00132	-.00060	.00144	.01139	.00485
SDev	.00066	.00210	.00066	.00165	.00293	.00001	.00000
%RSD	211.25	115.25	50.335	274.30	203.48	.04439	.00407
#1	.00078	-.00034	.00085	-.00177	.00351	.01140	.00485
#2	-.00015	-.00330	.00179	.00057	-.00063	.01139	.00485

Elem	Ee3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	-.00247	4.3862	.00395	-.00028	-.00844	.11043
SDev	.00001	.00006	.0343	.00006	.00020	.00022	.01971
%RSD	565.76	2.2284	.78093	1.4865	72.201	2.6629	17.845
#1	.00000	-.00251	4.3620	.00399	-.00014	-.00860	.09650
#2	-.00001	-.00243	4.4105	.00391	-.00042	-.00829	.12437

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00293	.23475	.00100	-.00353	1.9241	-.00027	.03934
SDev	.00009	.00054	.00179	.00064	.4288	.00047	.00024
%RSD	3.1819	.23148	178.63	18.206	22.284	176.71	.60783
#1	.00299	.23514	-.00026	-.00307	2.2272	.00007	.03917
#2	.00286	.23437	.00227	-.00398	1.6209	-.00060	.03951

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.72588	.00169	-.00226	.00548	-.00276	.00566	-.00543
SDev	.02937	.00604	.00331	.00506	.00352	.00126	.00296
%RSD	4.0461	358.12	146.44	92.375	127.81	22.274	54.616
#1	-.70511	.00596	-.00460	.00906	-.00525	.00655	-.00752
#2	-.74665	-.00259	.00008	.00190	-.00027	.00477	-.00333

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00637	-.00561	-.00144	-.00831	5.7455
SDev	.00059	.00207	.00029	.00124	.0319
%RSD	9.3185	36.939	20.182	14.860	.55498
#1	-.00679	-.00415	-.00165	-.00919	5.7230
#2	-.00595	-.00708	-.00124	-.00744	5.7681

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Method: 6010B Sample Name: S2032-15 Operator: DR
Run Time: 04/22/04 12:22:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00158	-.00245	.00168	-.00205	.00079	.11386	.00793
SDev	.00177	.00284	.00031	.00044	.00092	.00147	.00030
%RSD	111.86	115.98	18.490	21.523	116.65	1.2933	3.7424
#1	-.00283	-.00044	.00190	-.00174	.00014	.11490	.00814
#2	-.00033	-.00446	.00146	-.00237	.00144	.11282	.00772

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	-.00243	5.0264	.00098	-.00099	-.00809	.06946
SDev	.00001	.00011	.0047	.00069	.00067	.00028	.01846
%RSD	310.96	4.5653	.09272	69.808	67.716	3.4740	26.575
#1	.00001	-.00235	5.0231	.00147	-.00051	-.00789	.08251
#2	-.00001	-.00250	5.0297	.00050	-.00146	-.00829	.05641

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00359	1.1519	-.00005	-.00368	3.8291	.00470	.02550
SDev	.00014	.0033	.00035	.00085	.1553	.00071	.00016
%RSD	3.8932	.28304	753.62	23.093	4.0565	15.003	.61901
#1	.00368	1.1542	.00020	-.00308	3.9390	.00520	.02562
#2	.00349	1.1496	-.00029	-.00428	3.7193	.00421	.02539

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43593	.00097	-.00278	.00640	-.00268	.00704	-.00820
SDev	.01219	.00079	.00435	.00108	.00007	.00089	.00022
%RSD	2.7966	81.556	156.53	16.779	2.6491	12.562	2.7023
#1	.44455	.00153	-.00586	.00716	-.00273	.00767	-.00804
#2	.42731	.00041	.00030	.00564	-.00263	.00642	-.00835

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00568	-.00544	-.00080	-.00950	7.6167
SDev	.00088	.00110	.00029	.00040	.1354
%RSD	15.509	20.176	36.596	4.2628	1.7782
#1	-.00506	-.00622	-.00059	-.00979	7.5209
#2	-.00630	-.00466	-.00100	-.00921	7.7125

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Method: 6010B Sample Name: S2032-16 Operator: DR
Run Time: 04/22/04 12:24:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	.00077	.00231	-.00355	.00103	.01785	.00310
SDev	.00084	.00197	.00069	.00017	.00334	.00549	.00010
%RSD	228.22	254.84	29.965	4.6754	323.52	30.727	3.1950
#1	-.00096	-.00062	.00280	-.00343	.00340	.01397	.00317
#2	.00023	.00216	.00182	-.00366	-.00133	.02173	.00303

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	-.00275	1.3932	.00320	-.00082	-.00809	.07910
SDev	.00000	.00025	.0075	.00010	.00023	.00017	.00739
%RSD	5.4077	9.2133	.53522	3.0607	28.474	2.0763	9.3415
#1	-.00000	-.00257	1.3879	.00327	-.00066	-.00821	.07388
#2	-.00000	-.00293	1.3985	.00313	-.00099	-.00797	.08433

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	.13908	.00055	-.00319	1.6865	-.00118	.02260
SDev	.00000	.03206	.00010	.00016	.0362	.00012	.00008
%RSD	.00186	23.053	18.680	4.9018	2.1480	9.9296	.35142
#1	.00181	.11641	.00047	-.00330	1.7121	-.00110	.02255
#2	.00181	.16175	.00062	-.00308	1.6609	-.00126	.02266

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.78505	.00438	-.00886	.00683	-.00194	.00358	-.00880
SDev	.02438	.00319	.00366	.00005	.00106	.00167	.00122
%RSD	3.1059	72.809	41.324	.74346	54.707	46.667	13.913
#1	-.80229	.00663	-.00627	.00679	-.00119	.00240	-.00794
#2	-.76781	.00212	-.01145	.00686	-.00270	.00477	-.00967

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00650	-.01070	-.00107	-.00825	2.8403
SDev	.00059	.00000	.00015	.00051	.0008
%RSD	9.1361	.00000	13.542	6.1325	.02673
#1	-.00691	-.01070	-.00097	-.00790	2.8398
#2	-.00608	-.01070	-.00118	-.00861	2.8408

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Analysis Report 04/22/04 12:28:48 PM

Method: 6010B Sample Name: S2032-16D Operator: DR
Run Time: 04/22/04 12:26:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00416	.00023	-.00183	-.00338	.00879	.00271
SDev	.00515	.00203	.00109	.00263	.00408	.00147	.00005
%RSD	1661.2	48.874	468.15	143.66	120.83	16.670	1.8072
#1	-.00333	-.00560	-.00054	-.00369	-.00627	.00776	.00268
#2	.00395	-.00272	.00100	.00003	-.00049	.00983	.00275

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00266	1.4031	.00313	-.00127	-.00809	.07562
SDev	.00001	.00019	.0009	.00004	.00033	.00039	.04186
%RSD	25.235	7.2754	.06643	1.2524	26.302	4.8751	55.356
#1	-.00003	-.00280	1.4037	.00316	-.00151	-.00837	.04602
#2	-.00004	-.00252	1.4024	.00311	-.00103	-.00781	.10522

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00156	.16194	.00043	-.00384	1.7146	-.00135	.02300
SDev	.00002	.00081	.00002	.00048	.2248	.00012	.00025
%RSD	1.4959	.50334	4.9391	12.433	13.111	8.8320	1.0768
#1	.00158	.16136	.00045	-.00418	1.5556	-.00143	.02318
#2	.00154	.16251	.00042	-.00350	1.8735	-.00126	.02283

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.77055	-.00049	-.01236	.00592	-.00461	.00720	-.00804
SDev	.00499	.00567	.00091	.00026	.00176	.00079	.00369
%RSD	.64725	1147.6	7.3579	4.4434	38.157	10.993	45.925
#1	-.77407	-.00450	-.01300	.00611	-.00585	.00664	-.01065
#2	-.76702	.00351	-.01172	.00574	-.00336	.00776	-.00543

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00676	-.01122	-.00150	-.00770	2.8118
SDev	.00061	.00012	.00017	.00142	.0018
%RSD	9.0413	1.0872	11.081	18.417	.06480
#1	-.00633	-.01131	-.00162	-.00870	2.8105
#2	-.00719	-.01113	-.00138	-.00669	2.8131

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Method: 6010B Sample Name: S2032-16LX5 Operator: DR
Run Time: 04/22/04 12:29:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	-.00182	.00115	-.00228	-.00265	-.02560	-.00376
SDev	.00096	.00739	.00015	.00291	.00189	.00182	.00000
%RSD	435.90	406.17	12.724	127.22	71.393	7.1192	.00196
#1	-.00046	.00340	.00125	-.00434	-.00131	-.02689	-.00376
#2	.00090	-.00704	.00105	-.00023	-.00399	-.02431	-.00376

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00262	.27423	.00037	-.00077	-.00743	-.02537
SDev	.00001	.00028	.00163	.00045	.00003	.00022	.00740
%RSD	36.349	10.831	.59479	120.57	4.2926	3.0150	29.160
#1	-.00003	-.00283	.27308	.00069	-.00075	-.00759	-.03060
#2	-.00005	-.00242	.27539	.00006	-.00080	-.00727	-.02014

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00087	.02553	-.00106	-.00348	.33129	-.00077	.00342
SDev	.00012	.00190	.00096	.00057	.20793	.00070	.00008
%RSD	13.373	7.4489	90.997	16.426	62.764	90.911	2.3074
#1	.00079	.02419	-.00038	-.00307	.47832	-.00028	.00337
#2	.00095	.02688	-.00174	-.00388	.18426	-.00127	.00348

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.83324	-.00462	-.00191	.00197	-.00126	.00503	-.00774
SDev	.00055	.00178	.00212	.00320	.00181	.00562	.00155
%RSD	.06650	38.511	111.04	162.33	144.08	111.69	20.037
#1	-.83285	-.00336	-.00041	-.00029	.00002	.00106	-.00883
#2	-.83363	-.00588	-.00340	.00423	-.00254	.00900	-.00664

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00709	-.01700	-.00204	-.00589	.57464
SDev	.00000	.00012	.00006	.00045	.00805
%RSD	.00000	.71757	3.0500	7.5604	1.4004
#1	-.00709	-.01708	-.00200	-.00621	.56895
#2	-.00709	-.01691	-.00209	-.00558	.58033

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Method: 6010B Sample Name: S2032-17 Operator: DR
Run Time: 04/22/04 12:31:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.82293	2.1109	1.0739	2.0718	.85548	2.0072	.21139
SDev	.00884	.0339	.0173	.0436	.00871	.0044	.00138
%RSD	1.0740	1.6082	1.6074	2.1054	1.0182	.21878	.65536
#1	.81668	2.0869	1.0617	2.0410	.84932	2.0041	.21041
#2	.82918	2.1349	1.0861	2.1027	.86164	2.0103	.21237

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20517	.21651	2.2450	.41532	.20600	.27905	2.9175
SDev	.00117	.00139	.0098	.00180	.00080	.00050	.0074
%RSD	.57232	.64256	.43593	.43431	.38913	.18050	.25312
#1	.20433	.21553	2.2381	.41404	.20544	.27869	2.9123
#2	.20600	.21750	2.2520	.41659	.20657	.27941	2.9227

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20828	2.3458	.53523	.07601	4.4709	.29686	.23115
SDev	.00079	.0060	.00398	.00023	.2025	.00023	.00128
%RSD	.37993	.25482	.74342	.30590	4.5286	.07781	.55584
#1	.20772	2.3500	.53241	.07584	4.6141	.29702	.23024
#2	.20884	2.3416	.53804	.07617	4.3278	.29670	.23206

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.1156	.86799	.82723	1.0815	1.0681	2.0986	2.0566
SDev	.0604	.00093	.02429	.0093	.0210	.0169	.0570
%RSD	.74426	.10712	2.9368	.86022	1.9616	.80289	2.7708
#1	8.1583	.86733	.81006	1.0749	1.0533	2.0867	2.0163
#2	8.0729	.86865	.84441	1.0880	1.0829	2.1105	2.0969

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.42099	.28431	.20200	.76461	3.9408
SDev	.00311	.00470	.00033	.00168	.0314
%RSD	.73895	1.6517	.16463	.21981	.79757
#1	.41879	.28099	.20177	.76343	3.9186
#2	.42319	.28763	.20224	.76580	3.9630

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Method: 6010B Sample Name: S2032-18 Operator: DR
Run Time: 04/22/04 12:33:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.83460	2.1989	1.0952	2.1146	.86776	2.0347	.21325
SDev	.00558	.0118	.0030	.0136	.00574	.0124	.00035
%RSD	.66792	.53605	.27659	.64309	.66194	.61152	.16238
#1	.83066	2.1906	1.0930	2.1050	.86370	2.0259	.21300
#2	.83855	2.2072	1.0973	2.1242	.87182	2.0435	.21349

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20751	.22032	2.2788	.42085	.21016	.28178	2.9645
SDev	.00072	.00030	.0105	.00221	.00047	.00112	.0098
%RSD	.34506	.13600	.46015	.52642	.22238	.39679	.33189
#1	.20700	.22011	2.2714	.41928	.20983	.28099	2.9575
#2	.20802	.22053	2.2862	.42241	.21049	.28257	2.9714

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21111	2.3796	.54374	.07684	4.6369	.29978	.23344
SDev	.00079	.0114	.00362	.00030	.0511	.00036	.00108
%RSD	.37477	.47955	.66592	.39365	1.1023	.11886	.46380
#1	.21055	2.3715	.54118	.07705	4.6731	.29952	.23267
#2	.21167	2.3877	.54630	.07662	4.6008	.30003	.23421

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.2038	.87572	.84863	1.0895	1.0961	2.1189	2.1108
SDev	.0022	.00421	.00882	.0026	.0031	.0023	.0192
%RSD	.02702	.48045	1.0396	.23416	.28523	.10871	.91140
#1	8.2054	.87274	.84239	1.0877	1.0939	2.1173	2.0972
#2	8.2022	.87869	.85486	1.0913	1.0983	2.1206	2.1244

Elem	Mo2020	b_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.42881	.29341	.20396	.77799	4.0007
SDev	.00108	.00085	.00069	.00423	.0211
%RSD	.25160	.29099	.33631	.54397	.52756
#1	.42805	.29402	.20347	.77500	3.9858
#2	.42957	.29281	.20444	.78098	4.0156

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Method: 6010B Sample Name: S2032-16A Operator: DR
Run Time: 04/22/04 12:35:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.83240	2.2040	1.1010	2.1105	.86762	2.0393	.21237
SDev	.00305	.0040	.0052	.0099	.00199	.0081	.00089
%RSD	.36673	.18119	.47126	.46804	.22928	.39491	.41932
#1	.83024	2.2069	1.1046	2.1175	.86903	2.0450	.21300
#2	.83456	2.2012	1.0973	2.1036	.86621	2.0336	.21174

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20699	.22020	2.2803	.42097	.20914	.27945	2.9349
SDev	.00057	.00117	.0009	.00118	.00104	.00162	.0148
%RSD	.27387	.53060	.04088	.27942	.49574	.58023	.50326
#1	.20739	.22103	2.2810	.42180	.20988	.28059	2.9453
#2	.20659	.21937	2.2796	.42014	.20841	.27830	2.9244

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21048	2.3859	.54325	.07666	4.3980	.29861	.23331
SDev	.00075	.0090	.00185	.00108	.3474	.00012	.00104
%RSD	.35372	.37579	.34087	1.4062	7.8987	.04019	.44646
#1	.21101	2.3923	.54194	.07742	4.6435	.29870	.23404
#2	.20996	2.3796	.54456	.07590	4.1523	.29853	.23257

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.2457	.87724	.84514	1.0935	1.1027	2.1129	2.1078
SDev	.0615	.00057	.00711	.0013	.0084	.0019	.0157
%RSD	.74597	.06467	.84131	.11430	.76201	.08808	.74671
#1	8.2892	.87684	.85017	1.0926	1.1087	2.1116	2.1189
#2	8.2022	.87764	.84011	1.0943	1.0968	2.1142	2.0966

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.42896	.29281	.20387	.77984	4.0041
SDev	.00183	.00451	.00019	.00198	.0214
%RSD	.42758	1.5413	.09176	.25446	.53468
#1	.43026	.29600	.20400	.78124	4.0193
#2	.42767	.28962	.20373	.77843	3.9890

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Analysis Report 04/22/04 12:43:08 PM

Method: 6010B Sample Name: S2032-19 Operator: DR
Run Time: 04/22/04 12:37:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00154	.00814	.00387	.00194	-.00032	.60488	.07678
SDev	.00497	.00102	.00135	.00316	.00058	.00000	.00010
%RSD	322.98	12.496	34.804	162.53	180.48	.00054	.12888
#1	-.00198	.00742	.00292	.00418	-.00073	.60488	.07685
#2	.00505	.00886	.00482	-.00029	.00009	.60487	.07671

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	-.00242	23.868	.02447	-.00078	.11190	.76317
SDev	.00003	.00003	.142	.00018	.00003	.00101	.00001
%RSD	179.93	1.1486	.59554	.72094	4.2929	.89841	.00067
#1	-.00000	-.00240	23.968	.02459	-.00075	.11261	.76316
#2	.00004	-.00244	23.767	.02434	-.00080	.11119	.76317

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00977	.98249	.01390	-.00447	4.3681	.01382	.03747
SDev	.00002	.00489	.00031	.00031	.0074	.00035	.00052
%RSD	.23626	.49777	2.2077	6.8530	.17041	2.5494	1.3956
#1	.00978	.98594	.01412	-.00425	4.3629	.01406	.03784
#2	.00975	.97903	.01368	-.00469	4.3734	.01357	.03710

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59032	-.00111	-.00195	.00624	.00058	.00779	-.00257
SDev	.01330	.00066	.00043	.00163	.00134	.00581	.00184
%RSD	2.2529	59.377	21.793	26.182	230.48	74.487	71.484
#1	.58091	-.00157	-.00225	.00509	-.00037	.01190	-.00127
#2	.59972	-.00064	-.00165	.00740	.00153	.00369	-.00388

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00652	-.00497	-.00210	-.00788	5.8020
SDev	.00020	.00006	.00015	.00059	.0121
%RSD	3.0335	1.2279	6.9178	7.4497	.20936
#1	-.00638	-.00492	-.00221	-.00747	5.8106
#2	-.00666	-.00501	-.00200	-.00830	5.7934

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 12:43:19
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3456	5.4851	5.3711	5.3730	5.1133	10.303	10.152
SDev	.0136	.0307	.0351	.0455	.0235	.036	.015
%RSD	.25502	.56000	.65343	.84687	.45917	.34904	.14524
#1	5.3360	5.4634	5.3463	5.3408	5.0967	10.278	10.141
#2	5.3552	Q5.5068	5.3959	5.4052	5.1299	10.329	10.162

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25877	2.7138	26.349	1.0269	2.5790	1.1995	5.0718
SDev	.00077	.0095	.091	.0027	.0113	.0012	.0405
%RSD	.29871	.34918	.34667	.26715	.43942	.09694	.79927
#1	.25822	2.7071	26.284	1.0250	2.5710	1.2003	5.0432
#2	.25932	2.7205	26.413	1.0289	2.5870	1.1986	5.1005

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5285	27.399	2.6431	1.2957	25.513	2.4825	2.5666
SDev	.0081	.104	.0062	.0017	.042	.0067	.0114
%RSD	.32127	.37881	.23488	.13105	.16339	.26959	.44282
#1	2.5229	27.326	2.6387	1.2945	25.543	2.4777	2.5586
#2	2.5344	27.473	2.6475	1.2969	25.484	2.4872	2.5747

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.992	5.1937	4.9491	5.3451	5.3820	5.3743	5.3706
SDev	.028	.0173	.0359	.0194	.0428	.0208	.0578
%RSD	.10660	.33260	.72555	.36275	.79518	.38748	1.0767
#1	25.972	5.1815	4.9237	5.3314	5.3517	5.3596	5.3297
#2	26.011	5.2059	4.9745	5.3589	5.4122	5.3890	5.4114

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.2877	5.2133	4.9945	5.2120	Q5.8446
SDev	.0226	.0537	.0123	.0294	.0065
%RSD	.42713	1.0306	.24595	.56450	.11171
#1	5.2718	5.1753	4.9858	5.1912	Q5.8400
#2	5.3037	5.2513	5.0032	5.2328	Q5.8492

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Analysis Report QC Standard 04/22/04 12:50:56 PM page 1

Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 12:45:50
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	-.00493	.00178	.00053	.00211	-.03336	-.00285
SDev	.00018	.00868	.00182	.00207	.00175	.00111	.00129
%RSD	32.478	176.03	102.07	388.69	83.018	3.3141	45.191
#1	.00043	Q-.01107	.00306	.00200	.00087	-.03258	-.00194
#2	.00068	.00121	.00050	-.00093	.00335	-.03415	-.00376

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	-.00196	.00022	-.00079	-.00132	-.00830	-.06019
SDev	.00000	.00053	.00373	.00053	.00000	.00056	.00494
%RSD	7.3289	27.099	1681.5	66.980	.00573	6.7333	8.1999
#1	.00003	-.00159	.00286	-.00117	-.00132	-.00870	-.06368
#2	.00003	-.00234	-.00241	-.00042	-.00132	-.00791	-.05670

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00151	-.00540	-.00053	-.00336	-.22349	-.00094	-.00096
SDev	.00023	.00000	.00038	.00007	.07444	.00094	.00064
%RSD	15.402	.00000	71.646	2.2141	33.307	99.269	67.083
#1	.00168	-.00540	-.00080	-.00330	-.27613	-.00028	-.00051
#2	.00135	-.00540	-.00026	-.00341	-.17086	-.00161	-.00142

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.95902	.00218	-.00123	.00285	-.00076	.00701	-.00440
SDev	.04322	.00342	.00158	.00068	.00238	.00476	.00086
%RSD	4.5070	156.92	129.08	23.730	315.27	67.941	19.644
#1	-.98959	-.00024	-.00011	.00333	.00093	.01038	-.00379
#2	-.92846	.00459	-.00234	.00238	-.00244	.00364	-.00501

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00352	-.01144	-.00125	-.00266	.00055
SDev	.00214	.00482	.00081	.00231	.00820
%RSD	60.794	42.133	64.810	86.902	1477.5
#1	-.00201	-.00803	-.00068	-.00102	.00635
#2	-.00503	-.01484	-.00182	-.00429	-.00524

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Analysis Report 04/22/04 12:53:45 PM

Method: 6010B Sample Name: S2032-20 Operator: DR
Run Time: 04/22/04 12:51:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00092	-.00450	-.00010	.00124	-.00013	.20720	.00758
SDev	.00299	.00048	.00130	.00307	.00001	.00111	.00010
%RSD	324.02	10.626	1311.3	246.58	10.324	.53555	1.3064
#1	-.00304	-.00484	-.00102	.00342	-.00013	.20798	.00765
#2	.00119	-.00416	.00082	-.00093	-.00012	.20641	.00751

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00271	6.4686	-.00035	-.00118	-.00817	.08345
SDev	.00003	.00032	.0161	.00061	.00060	.00061	.00371
%RSD	60.308	11.991	.24856	175.01	51.153	7.5200	4.4448
#1	.00007	-.00248	6.4572	.00008	-.00075	-.00774	.08083
#2	.00003	-.00294	6.4800	-.00078	-.00160	-.00860	.08608

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00443	.39268	.00086	-.00433	5.7409	-.00003	.04418
SDev	.00016	.00380	.00050	.00122	.1047	.00106	.00048
%RSD	3.6792	.96869	58.426	28.285	1.8239	4192.1	1.0950
#1	.00454	.39537	.00050	-.00346	5.8149	.00072	.04384
#2	.00431	.38999	.00121	-.00519	5.6668	-.00077	.04453

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.43983	.00012	-.00381	.00515	-.00472	.00550	-.00268
SDev	.02937	.00445	.00888	.00431	.00019	.00350	.00635
%RSD	6.6775	3863.5	233.08	83.593	4.1041	63.658	236.97
#1	-.41907	-.00303	.00247	.00211	-.00458	.00303	.00181
#2	-.46060	.00326	-.01009	.00820	-.00486	.00798	-.00717

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00517	.00788	-.00169	-.00929	5.1143
SDev	.00074	.00043	.00006	.00055	.0093
%RSD	14.253	5.4146	3.6860	5.8878	.18110
#1	-.00465	.00819	-.00174	-.00890	5.1078
#2	-.00569	.00758	-.00165	-.00967	5.1209

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Method: 6010B Sample Name: S2032-21 Operator: DR
Run Time: 04/22/04 12:54:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00083	-.00728	.00218	.00019	.00216	.01605	.00310
SDev	.00135	.00861	.00168	.00302	.00221	.00001	.00000
%RSD	161.60	118.32	77.228	1607.9	102.69	.04034	.00794
#1	-.00012	-.01337	.00099	-.00195	.00372	.01605	.00310
#2	.00179	-.00119	.00337	.00232	.00059	.01604	.00310

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	-.00270	.52073	.00017	-.00054	-.00664	.00771
SDev	.00001	.00008	.00210	.00031	.00070	.00000	.02463
%RSD	16.310	3.0625	.40274	189.10	130.46	.02335	319.50
#1	.00005	-.00276	.52221	.00039	-.00004	-.00664	-.00971
#2	.00004	-.00264	.51925	-.00006	-.00103	-.00663	.02513

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00164	.17904	-.00049	-.00346	2.4739	-.00036	.02090
SDev	.00005	.00163	.00067	.00095	.1226	.00035	.00024
%RSD	2.8328	.91054	136.89	27.332	4.9547	97.886	1.1389
#1	.00161	.17788	-.00002	-.00279	2.5606	-.00011	.02074
#2	.00168	.18019	-.00096	-.00413	2.3873	-.00061	.02107

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.91435	.00475	-.00625	.00363	-.00065	.00436	-.00369
SDev	.04212	.00558	.00451	.00294	.00385	.00214	.00560
%RSD	4.6060	117.25	72.242	81.017	596.12	49.165	151.58
#1	-.88457	.00870	-.00944	.00572	-.00337	.00588	-.00765
#2	-.94413	.00081	-.00306	.00155	.00208	.00285	.00027

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00625	-.00432	-.00152	-.00755	4.6086
SDev	.00004	.00134	.00010	.00146	.0214
%RSD	.57509	31.060	6.8583	19.302	.46455
#1	-.00623	-.00337	-.00159	-.00652	4.5935
#2	-.00628	-.00527	-.00144	-.00858	4.6237

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Method: 6010B Sample Name: S2032-22 Operator: DR
Run Time: 04/22/04 12:56:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00247	-.00219	-.00090	-.00206	-.00022	-.01111	-.00127
SDev	.00464	.00075	.00130	.00167	.00192	.00549	.00025
%RSD	188.10	34.015	144.00	80.988	885.38	49.408	19.399
#1	.00081	-.00166	.00002	-.00325	-.00157	-.00723	-.00110
#2	-.00575	-.00272	-.00182	-.00088	.00114	-.01499	-.00145

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00294	.60064	.00012	-.00118	-.00848	.15397
SDev	.00001	.00010	.00047	.00045	.00033	.00005	.01477
%RSD	91.844	3.2474	.07758	363.40	28.440	.64225	9.5965
#1	.00000	-.00287	.60097	.00044	-.00094	-.00852	.16441
#2	.00001	-.00301	.60031	-.00019	-.00141	-.00844	.14352

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00184	.28182	-.00095	-.00410	2.8592	.00048	.02245
SDev	.00009	.00516	.00101	.00049	.0511	.00012	.00012
%RSD	5.0574	1.8318	106.41	11.973	1.7877	24.339	.52771
#1	.00191	.28547	-.00167	-.00445	2.8954	.00039	.02253
#2	.00178	.27817	-.00024	-.00376	2.8231	.00056	.02237

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.89790	.00276	-.00938	.00265	-.00478	.00176	-.00577
SDev	.00222	.00361	.00147	.00165	.00098	.00104	.00303
%RSD	.24687	130.78	15.661	62.272	20.574	59.231	52.440
#1	-.89946	.00021	-.00834	.00382	-.00408	.00250	-.00791
#2	-.89633	.00531	-.01042	.00149	-.00547	.00102	-.00363

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00661	.01401	-.00207	-.00996	4.5260
SDev	.00079	.00018	.00039	.00142	.0015
%RSD	11.971	1.3061	19.043	14.233	.03355
#1	-.00605	.01388	-.00179	-.00896	4.5271
#2	-.00717	.01414	-.00235	-.01096	4.5250

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Analysis Report 04/22/04 12:59:43 PM

Method: 6010B Sample Name: S2032-23 Operator: DR
Run Time: 04/22/04 12:58:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	-.00887	-.00048	.00158	-.00114	-.00232	.00142
SDev	.00075	.00325	.00074	.00000	.00047	.00403	.00010
%RSD	67.483	36.691	155.83	.06362	41.080	173.60	6.9657
#1	.00058	-.00657	-.00100	.00158	-.00147	-.00517	.00135
#2	.00164	-.01117	.00005	.00158	-.00081	.00053	.00149

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00266	.55665	.06215	-.00111	-.00196	.17642
SDev	.00001	.00011	.00163	.00026	.00010	.00033	.00984
%RSD	85.513	4.0524	.29303	.40996	9.0816	17.030	5.5794
#1	.00002	-.00274	.55780	.06197	-.00118	-.00173	.16946
#2	.00000	-.00259	.55550	.06233	-.00104	-.00220	.18338

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00258	.40286	.00640	-.00331	3.9319	-.00049	.02657
SDev	.00002	.00081	.00110	.00023	.2362	.00047	.00016
%RSD	.90459	.20232	17.114	6.8124	6.0077	96.255	.61117
#1	.00256	.40343	.00717	-.00315	4.0990	-.00082	.02669
#2	.00260	.40228	.00562	-.00347	3.7649	-.00016	.02646

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.85009	-.00142	-.00377	.00187	-.00385	.00323	-.00094
SDev	.01884	.00187	.00235	.00453	.00115	.00325	.00177
%RSD	2.2163	132.09	62.239	241.76	29.826	100.54	186.96
#1	-.83677	-.00274	-.00211	-.00133	-.00304	.00093	.00030
#2	-.86341	-.00009	-.00544	.00508	-.00466	.00553	-.00219

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00576	-.01096	-.00157	-.00863	4.6100
SDev	.00023	.00195	.00031	.00180	.0091
%RSD	4.0601	17.805	19.807	20.890	.19762
#1	-.00592	-.00958	-.00179	-.00990	4.6164
#2	-.00559	-.01234	-.00135	-.00735	4.6036

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Method: 6010B Sample Name: S2032-24 Operator: DR
Run Time: 04/22/04 12:59:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00120	-.00536	-.00030	-.00010	.00027	-.01475	.00069
SDev	.00045	.00007	.00117	.00112	.00244	.00475	.00005
%RSD	37.489	1.2629	389.01	1119.7	917.34	32.234	7.2212
#1	-.00152	-.00541	.00053	-.00089	.00199	-.01139	.00072
#2	-.00088	-.00531	-.00113	.00069	-.00146	-.01811	.00065

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00260	.46520	.00090	-.00181	-.00218	-.02885
SDev	.00001	.00006	.00047	.00006	.00017	.00084	.00985
%RSD	66.003	2.4858	.10018	6.5320	9.1963	38.441	34.142
#1	.00002	-.00265	.46553	.00094	-.00193	-.00159	-.03581
#2	.00001	-.00255	.46487	.00086	-.00170	-.00277	-.02188

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	.39210	-.00106	-.00386	4.0930	-.00135	.01914
SDev	.00000	.00353	.00146	.00012	.1464	.00012	.00008
%RSD	.00962	.90082	137.46	3.0868	3.5767	8.6810	.42551
#1	.00174	.39460	-.00210	-.00394	3.9895	-.00144	.01920
#2	.00174	.38960	-.00003	-.00377	4.1965	-.00127	.01908

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.86968	.00151	-.00542	.00483	-.00486	.00576	-.00483
SDev	.02882	.00164	.01061	.00281	.00316	.00792	.00227
%RSD	3.3134	108.75	195.62	58.134	65.016	137.40	47.043
#1	-.84931	.00035	.00208	.00284	-.00263	.00016	-.00322
#2	-.89006	.00267	-.01293	.00681	-.00710	.01137	-.00643

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00702	-.01062	-.00224	-.00959	4.4954
SDev	.00072	.00012	.00004	.00105	.0181
%RSD	10.251	1.1490	1.8596	10.984	.40193
#1	-.00651	-.01070	-.00221	-.00884	4.5082
#2	-.00753	-.01053	-.00226	-.01033	4.4827

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Method: 6010B Sample Name: S2032-25 Operator: DR
Run Time: 04/22/04 13:01:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	-.00196	.00012	-.00300	-.00057	.08744	.00667
SDev	.00084	.00502	.00100	.00157	.00074	.00001	.00010
%RSD	616.04	256.06	824.95	52.255	129.17	.00795	1.4838
#1	-.00046	-.00551	.00083	-.00189	-.00005	.08743	.00674
#2	.00073	.00159	-.00059	-.00411	-.00109	.08744	.00660

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	-.00247	.58713	.00039	-.00087	-.00805	.08171
SDev	.00001	.00011	.00140	.00012	.00037	.00078	.00124
%RSD	378.43	4.6340	.23812	30.380	42.349	9.7123	1.5157
#1	-.00001	-.00239	.58614	.00047	-.00113	-.00860	.08258
#2	.00000	-.00255	.58812	.00030	-.00061	-.00750	.08083

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00289	.35656	-.00126	-.00319	2.3599	-.00002	.02132
SDev	.00000	.00163	.00104	.00069	.1290	.00059	.00004
%RSD	.00540	.45721	82.707	21.597	5.4675	2448.9	.19035
#1	.00289	.35540	-.00052	-.00368	2.2687	-.00044	.02135
#2	.00289	.35771	-.00200	-.00270	2.4511	.00039	.02129

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.87948	.00091	-.00674	.00287	-.00345	.00164	-.00712
SDev	.03269	.00304	.00388	.00374	.00036	.00688	.00108
%RSD	3.7175	335.46	57.558	130.33	10.528	418.65	15.201
#1	-.90260	.00306	-.00948	.00551	-.00371	.00651	-.00789
#2	-.85636	-.00125	-.00400	.00022	-.00319	-.00322	-.00635

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00681	-.00811	-.00000	-.00979	5.7784
SDev	.00047	.00049	.00004	.00065	.0203
%RSD	6.8623	6.0125	2779.2	6.6208	.35211
#1	-.00714	-.00846	.00003	-.01024	5.7640
#2	-.00648	-.00777	-.00003	-.00933	5.7928

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Method: 6010B Sample Name: S2032-27 Operator: DR
Run Time: 04/22/04 13:03:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00039	-.00484	.00018	-.00286	-.00198	-.03284	.00156
SDev	.00195	.00570	.00113	.00014	.00356	.00402	.00010
%RSD	493.98	117.65	630.31	5.0105	179.28	12.232	6.3380
#1	.00098	-.00887	.00098	-.00276	-.00450	-.03568	.00149
#2	-.00177	-.00081	-.00062	-.00296	.00053	-.03000	.00163

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00282	1.0091	.00053	-.00042	-.00790	-.02102
SDev	.00003	.00007	.0002	.00016	.00060	.00022	.00124
%RSD	106.30	2.4124	.02310	29.783	143.31	2.8239	5.8882
#1	-.00001	-.00277	1.0089	.00064	.00001	-.00806	-.02190
#2	-.00005	-.00287	1.0093	.00042	-.00085	-.00774	-.02015

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00344	.46184	-.00054	-.00323	2.0665	-.00044	.02056
SDev	.00007	.00054	.00036	.00015	.1360	.00047	.00016
%RSD	2.0300	.11766	65.893	4.7216	6.5798	106.08	.78643
#1	.00339	.46222	-.00029	-.00313	1.9704	-.00011	.02067
#2	.00349	.46145	-.00080	-.00334	2.1627	-.00077	.02045

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.90182	-.00303	-.00309	.00239	-.00302	.00300	-.00758
SDev	.02438	.00787	.00508	.00096	.00203	.00325	.00141
%RSD	2.7037	259.78	164.22	40.088	67.208	108.42	18.568
#1	-.88457	-.00860	.00050	.00171	-.00159	.00530	-.00858
#2	-.91906	.00254	-.00669	.00307	-.00446	.00070	-.00659

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00694	-.00742	-.00188	-.00758	5.4889
SDev	.00007	.00122	.00037	.00275	.0112
%RSD	1.0364	16.428	19.872	36.322	.20471
#1	-.00689	-.00829	-.00215	-.00953	5.4969
#2	-.00699	-.00656	-.00162	-.00563	5.4810

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Method: 6010B Sample Name: S2032-28 Operator: DR
Run Time: 04/22/04 13:05:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00096	-.00043	-.00127	-.00274	-.00050	-.03207	.00139
SDev	.00299	.00475	.00123	.00225	.00404	.00366	.00005
%RSD	312.68	1102.9	96.417	82.212	809.66	11.404	3.5618
#1	.00116	.00293	-.00214	-.00115	.00236	-.02948	.00142
#2	-.00308	-.00379	-.00041	-.00433	-.00335	-.03466	.00135

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00299	1.0613	.00524	-.00118	-.00762	-.00536
SDev	.00002	.00002	.0019	.00020	.00007	.00039	.01108
%RSD	41.143	.50591	.17564	3.7412	5.6969	5.1153	206.79
#1	-.00003	-.00298	1.0600	.00510	-.00113	-.00790	.00248
#2	-.00005	-.00300	1.0627	.00538	-.00122	-.00735	-.01320

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00362	.44570	-.00007	-.00320	1.9521	-.00085	.02549
SDev	.00000	.00326	.00078	.00011	.2422	.00012	.00028
%RSD	.00215	.73152	1057.5	3.4412	12.406	13.822	1.1116
#1	.00362	.44340	-.00062	-.00328	2.1234	-.00093	.02528
#2	.00362	.44801	.00048	-.00312	1.7809	-.00077	.02569

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.91866	.00060	-.00589	.00484	-.00652	.00561	-.00870
SDev	.00388	.00291	.00631	.00430	.00030	.00133	.00271
%RSD	.42223	487.81	107.02	88.835	4.6648	23.639	31.144
#1	-.92141	.00265	-.00143	.00180	-.00631	.00655	-.00678
#2	-.91592	-.00146	-.01035	.00788	-.00674	.00467	-.01062

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00675	-.00510	-.00168	-.00951	5.3701
SDev	.00013	.00122	.00008	.00034	.0099
%RSD	1.8649	23.935	4.9577	3.6179	.18379
#1	-.00666	-.00423	-.00174	-.00927	5.3770
#2	-.00684	-.00596	-.00162	-.00976	5.3631

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Method: 6010B Sample Name: S2032-29 Operator: DR
Run Time: 04/22/04 13:07:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00082	-.00766	-.00068	-.00498	-.00092	.02871	.00289
SDev	.00081	.00102	.00039	.00115	.00140	.00182	.00010
%RSD	98.810	13.302	57.833	23.160	151.12	6.3542	3.4262
#1	-.00025	-.00694	-.00095	-.00580	.00006	.03000	.00282
#2	-.00139	-.00838	-.00040	-.00417	-.00191	.02742	.00296

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	-.00264	.58351	-.00024	-.00134	-.00837	.00249
SDev	.00002	.00005	.00280	.00018	.00050	.00056	.00739
%RSD	52.201	1.7678	.47921	74.765	37.362	6.6657	296.29
#1	-.00006	-.00267	.58153	-.00011	-.00170	-.00877	.00772
#2	-.00003	-.00260	.58548	-.00036	-.00099	-.00798	-.00273

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00210	.24359	-.00013	-.00376	2.1672	-.00094	.03611
SDev	.00009	.00326	.00057	.00030	.1662	.00023	.00008
%RSD	4.4188	1.3385	435.53	8.0525	7.6709	24.875	.22408
#1	.00204	.24128	-.00054	-.00398	2.0497	-.00111	.03606
#2	.00217	.24590	.00027	-.00355	2.2848	-.00078	.03617

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.93708	.00019	-.00635	.00436	-.00539	.00641	-.01237
SDev	.00111	.00239	.00898	.00496	.00189	.00890	.00285
%RSD	.11828	1291.1	141.46	113.80	35.082	138.74	23.059
#1	-.93786	-.00151	.00000	.00085	-.00405	.00012	-.01036
#2	-.93630	.00188	-.01270	.00786	-.00672	.01270	-.01439

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00648	-.00919	-.00243	-.01080	4.3889
SDev	.00018	.00006	.00002	.00160	.0181
%RSD	2.7739	.66343	.85657	14.807	.41169
#1	-.00636	-.00924	-.00244	-.00967	4.3762
#2	-.00661	-.00915	-.00241	-.01193	4.4017

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Method: 6010B Sample Name: S2032-30 Operator: DR
Run Time: 04/22/04 13:09:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00044	-.00465	-.00032	-.00156	-.00260	-.03905	.00002
SDev	.00254	.00773	.00154	.00066	.00582	.00184	.00040
%RSD	582.78	166.43	473.88	42.489	224.08	4.7193	1813.2
#1	.00136	.00082	.00076	-.00203	.00152	-.04036	-.00026
#2	-.00223	-.01011	-.00141	-.00109	-.00671	-.03775	.00030

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	-.00307	1.0627	.00064	-.00113	-.00767	-.03146
SDev	.00003	.00024	.0023	.00137	.00053	.00078	.00860
%RSD	57.285	7.7407	.21928	215.30	47.379	10.213	27.326
#1	-.00007	-.00324	1.0643	-.00033	-.00151	-.00822	-.03754
#2	-.00003	-.00290	1.0610	.00161	-.00075	-.00711	-.02538

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00258	.46434	-.00078	-.00375	1.9781	-.00086	.01911
SDev	.00012	.00625	.00002	.00073	.2055	.00129	.00004
%RSD	4.5019	1.3458	2.6386	19.488	10.386	150.81	.19979
#1	.00250	.45992	-.00077	-.00427	1.8328	-.00177	.01909
#2	.00266	.46876	-.00080	-.00323	2.1234	.00006	.01914

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.95001	-.00104	-.00892	.00051	-.00294	.00322	-.00564
SDev	.06816	.00403	.00940	.00157	.00152	.00205	.00011
%RSD	7.1747	387.14	105.42	307.62	51.825	63.699	1.9584
#1	-.99821	.00181	-.00227	.00162	-.00186	.00177	-.00572
#2	-.90181	-.00389	-.01556	-.00060	-.00402	.00467	-.00557

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00814	.01401	-.00254	-.00888	6.2840
SDev	.00022	.00055	.00056	.00196	.0080
%RSD	2.6524	3.9183	22.059	22.107	.12806
#1	-.00798	.01440	-.00294	-.01027	6.2896
#2	-.00829	.01362	-.00215	-.00750	6.2783

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 13:10:55
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3197	5.4609	5.3714	5.3512	5.1114	10.336	10.167
SDev	.0215	.0452	.0058	.0064	.0002	.051	.037
%RSD	.40337	.82828	.10888	.11912	.00487	.48954	.36533
#1	5.3349	5.4929	5.3673	5.3467	5.1116	10.372	10.193
#2	5.3045	5.4289	5.3756	5.3557	5.1112	10.300	10.140

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25788	2.7083	26.363	1.0286	2.5829	1.2011	4.9499
SDev	.00106	.0091	.105	.0041	.0105	.0031	.0522
%RSD	.41234	.33756	.40002	.40126	.40562	.25991	1.0543
#1	.25863	2.7148	26.438	1.0315	2.5904	1.2033	4.9868
#2	.25712	2.7018	26.289	1.0257	2.5755	1.1989	4.9130

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5289	27.369	2.6436	1.2928	26.029	2.4851	2.5633
SDev	.0101	.115	.0077	.0048	.186	.0094	.0066
%RSD	.39839	.41888	.29260	.36955	.71305	.37836	.25763
#1	2.5360	27.450	2.6491	1.2962	25.897	2.4917	2.5680
#2	2.5218	27.288	2.6381	1.2895	26.160	2.4784	2.5587

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.211	5.1743	4.9822	5.3381	5.3862	5.3375	5.3565
SDev	.102	.0035	.0063	.0124	.0027	.0089	.0051
%RSD	.39090	.06752	.12546	.23208	.05057	.16654	.09557
#1	26.284	5.1768	4.9778	5.3293	5.3843	5.3312	5.3529
#2	26.139	5.1719	4.9866	5.3468	5.3881	5.3438	5.3601

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.2897	5.2058	5.0044	5.2337	Q5.7603
SDev	.0136	.0072	.0222	.0220	.0148
%RSD	.25775	.13825	.44448	.42029	.25621
#1	5.2994	5.2109	5.0201	5.2492	Q5.7708
#2	5.2801	5.2007	4.9887	5.2181	Q5.7499

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 13:15:18
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203.	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	-.00876	-.00103	-.00224	.00065	-.04139	-.00568
SDev	.00272	.00068	.00033	.00694	.00115	.00439	.00015
%RSD	150.90	7.7523	32.428	309.30	178.76	10.606	2.6108
#1	.00373	-.00828	-.00080	-.00715	-.00017	-.03828	-.00558
#2	-.00012	-.00924	-.00127	.00266	.00146	-.04449	-.00579

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	-.00295	-.00966	-.00083	-.00134	-.00937	-.05322
SDev	.00000	.00017	.00093	.00039	.00023	.00006	.01231
%RSD	.36355	5.7450	9.6444	47.128	17.448	.60531	23.136
#1	-.00007	-.00283	-.01032	-.00111	-.00151	-.00933	-.04451
#2	-.00007	-.00307	-.00901	-.00055	-.00118	-.00941	-.06192

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	-.01232	-.00156	-.00284	-.13717	-.00152	-.00167
SDev	.00005	.00163	.00030	.00035	.01390	.00012	.00020
%RSD	7.0945	13.237	19.057	12.323	10.130	7.6796	11.963
#1	.00062	-.01347	-.00135	-.00259	-.12734	-.00144	-.00153
#2	.00069	-.01116	-.00176	-.00309	-.14699	-.00161	-.00181

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0519	-.00123	.00121	.00173	-.00461	.00210	-.00621
SDev	.0161	.00075	.00497	.00413	.00156	.00659	.00711
%RSD	1.5278	60.800	411.22	238.55	33.833	313.33	114.40
#1	-1.0633	-.00070	-.00231	.00465	-.00571	-.00256	-.01124
#2	-1.0405	-.00176	.00472	-.00119	-.00351	.00677	-.00119

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00767	-.02127	-.00243	-.00684	.00131
SDev	.00034	.00116	.00010	.00130	.00835
%RSD	4.4574	5.4484	4.2829	18.954	639.20
#1	-.00742	-.02045	-.00235	-.00592	.00721
#2	-.00791	-.02209	-.00250	-.00775	-.00460

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Method: 6010B Sample Name: S2032-31 Operator: DR
Run Time: 04/22/04 13:17:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	-.00387	.00023	-.00015	-.00375	-.00310	-.00253
SDev	.00305	.00068	.00086	.00226	.00493	.00149	.00015
%RSD	1507.4	17.665	368.19	1499.5	131.54	48.000	5.8529
#1	.00196	-.00339	-.00037	-.00175	-.00026	-.00415	-.00264
#2	-.00236	-.00435	.00084	.00145	-.00723	-.00205	-.00243

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	-.00302	.98637	.00101	-.00255	-.00901	-.00014
SDev	.00006	.00014	.01142	.00116	.00154	.00179	.02091
%RSD	112.44	4.6909	1.1576	114.34	60.363	19.871	15186.
#1	-.00009	-.00312	.97830	.00019	-.00363	-.01027	-.01492
#2	-.00001	-.00292	.99444	.00183	-.00146	-.00774	.01464

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00117	.80362	-.00171	-.00458	2.2402	.00031	.02239
SDev	.00002	.01060	.00151	.00231	.4213	.00176	.00040
%RSD	1.9647	1.3186	88.595	50.392	18.807	576.53	1.7810
#1	.00115	.81111	-.00278	-.00621	1.9423	-.00094	.02211
#2	.00118	.79613	-.00064	-.00295	2.5381	.00155	.02267

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.83168	-.00277	-.00891	.00129	-.00249	.00380	-.00382
SDev	.10806	.00310	.00860	.00391	.00066	.01228	.00259
%RSD	12.993	111.91	96.470	302.22	26.609	322.78	67.799
#1	-.90808	-.00058	-.00283	-.00147	-.00203	-.00488	-.00199
#2	-.75527	-.00496	-.01499	.00406	-.00296	.01248	-.00566

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00652	-.01049	-.00197	-.00783	6.9312
SDev	.00099	.00079	.00008	.00034	.1025
%RSD	15.167	7.5605	4.2183	4.3990	1.4787
#1	-.00582	-.01105	-.00203	-.00807	6.8587
#2	-.00722	-.00993	-.00191	-.00758	7.0036

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Method: 6010B Sample Name: S2032-32 Operator: DR
Run Time: 04/22/04 13:19:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	-.00459	-.00021	-.00028	-.00104	-.01862	.00079
SDev	.00027	.00020	.00002	.00002	.00424	.00951	.00020
%RSD	513.60	4.4436	8.0738	9.0242	406.31	51.096	24.982
#1	-.00024	-.00445	-.00020	-.00026	-.00404	-.02534	.00065
#2	.00014	-.00473	-.00022	-.00029	.00195	-.01189	.00093

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	-.00269	.47361	.00190	-.00174	-.00834	-.00274
SDev	.00000	.00001	.00023	.00076	.00067	.00051	.02462
%RSD	1.4268	.37190	.04920	40.271	38.342	6.0586	897.47
#1	-.00002	-.00269	.47344	.00136	-.00222	-.00869	-.02016
#2	-.00002	-.00270	.47377	.00244	-.00127	-.00798	.01467

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	.40478	-.00000	-.00387	2.6669	-.00036	.01977
SDev	.00000	.00625	.00016	.00055	.1742	.00011	.00024
%RSD	.01466	1.5438	12973.	14.111	6.5313	32.251	1.2415
#1	.00069	.40036	-.00012	-.00426	2.5438	-.00028	.01994
#2	.00069	.40920	.00011	-.00349	2.7901	-.00044	.01960

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.98018	-.00257	-.00118	.00129	-.00326	.00476	-.00459
SDev	.03768	.00730	.00190	.00449	.00213	.00757	.00382
%RSD	3.8444	283.97	160.24	348.61	65.257	159.04	83.192
#1	L-1.0068	-.00774	.00016	-.00189	-.00176	-.00059	-.00189
#2	-.95354	.00259	-.00253	.00446	-.00476	.01012	-.00729

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00717	-.01225	-.00193	-.00946	4.6470
SDev	.00032	.00012	.00039	.00099	.0120
%RSD	4.5149	.99532	20.496	10.491	.25813
#1	-.00694	-.01234	-.00221	-.01016	4.6386
#2	-.00740	-.01217	-.00165	-.00876	4.6555

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Method: 6010B Sample Name: S2032-26 Operator: DR
Run Time: 04/22/04 13:21:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	-.00153	.00013	-.00028	-.00313	-.02172	.00387
SDev	.00177	.00752	.00102	.00181	.00045	.00292	.00059
%RSD	1549.7	492.55	758.32	653.53	14.445	13.450	15.336
#1	-.00114	.00379	.00085	-.00155	-.00281	-.02379	.00345
#2	.00136	-.00685	-.00058	.00100	-.00345	-.01966	.00429

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00272	.65831	.00046	-.00113	-.00731	-.01144
SDev	.00001	.00007	.00093	.00057	.00080	.00073	.01970
%RSD	24.133	2.4061	.14159	124.41	71.071	9.9485	172.18
#1	-.00004	-.00268	.65765	.00005	-.00056	-.00782	-.02537
#2	-.00003	-.00277	.65897	.00086	-.00170	-.00679	.00249

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00194	.20805	-.00050	-.00326	2.0627	-.00069	.01883
SDev	.00019	.00081	.00036	.00066	.0184	.00012	.00004
%RSD	9.5924	.39179	71.501	20.252	.89018	16.709	.19338
#1	.00181	.20747	-.00075	-.00372	2.0497	-.00061	.01880
#2	.00207	.20862	-.00025	-.00279	2.0757	-.00077	.01885

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.97313	-.00412	-.00434	.00023	-.00221	.00599	-.00510
SDev	.00000	.00014	.00107	.00081	.00179	.00382	.00094
%RSD	.00000	3.4846	24.633	347.58	80.794	63.772	18.489
#1	-.97313	-.00402	-.00359	-.00034	-.00095	.00329	-.00577
#2	-.97313	-.00422	-.00510	.00081	-.00348	.00869	-.00444

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00667	-.00786	-.00241	-.00990	4.5481
SDev	.00067	.00146	.00037	.00219	.0132
%RSD	9.9702	18.632	15.512	22.087	.29045
#1	-.00714	-.00682	-.00268	-.01145	4.5387
#2	-.00620	-.00889	-.00215	-.00835	4.5574

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Method: 6010B Sample Name: S2032-26D Operator: DR
Run Time: 04/22/04 13:24:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	-.00340	.00005	-.00037	-.00266	-.01732	.00391
SDev	.00177	.00624	.00067	.00138	.00034	.00549	.00044
%RSD	135.88	183.67	1276.8	377.14	12.786	31.666	11.396
#1	.00005	-.00781	-.00042	-.00134	-.00242	-.02120	.00359
#2	.00255	.00102	.00052	.00061	-.00290	-.01344	.00422

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	-.00263	.66013	.00043	-.00073	-.00739	.00336
SDev	.00003	.00011	.00023	.00041	.00057	.00006	.02832
%RSD	187.04	4.1443	.03530	95.906	78.110	.78214	842.94
#1	.00001	-.00255	.65996	.00072	-.00033	-.00743	-.01667
#2	-.00004	-.00271	.66029	.00014	-.00113	-.00735	.02338

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00201	.20766	-.00065	-.00366	2.2055	-.00069	.01865
SDev	.00000	.00190	.00182	.00001	.0933	.00012	.00004
%RSD	.00057	.91586	279.20	.33316	4.2302	17.042	.23741
#1	.00201	.20632	.00064	-.00366	2.1395	-.00077	.01868
#2	.00201	.20901	-.00194	-.00365	2.2715	-.00061	.01862

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-1.0002	-.00101	-.00916	.00144	-.00294	.00577	-.00523
SDev	.0006	.00314	.00527	.00224	.00198	.00117	.00149
%RSD	.05541	310.77	57.476	155.59	67.221	20.276	28.454
#1	-.99978	.00121	-.01289	.00303	-.00434	.00494	-.00628
#2	L-1.0006	-.00323	-.00544	-.00014	-.00154	.00659	-.00418

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00777	-.01049	-.00219	-.00916	4.5777
SDev	.00063	.00067	.00035	.00194	.0050
%RSD	8.1034	6.3973	16.124	21.229	.10946
#1	-.00821	-.01001	-.00244	-.01053	4.5812
#2	-.00732	-.01096	-.00194	-.00778	4.5741

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Method: 6010B Sample Name: S2032-26LX5 Operator: DR
Run Time: 04/22/04 13:26:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	-.00579	.00028	-.00369	-.00305	-.03104	-.00344
SDev	.00302	.00122	.00018	.00079	.00243	.00147	.00054
%RSD	429.05	21.086	64.183	21.460	79.453	4.7380	15.819
#1	.00284	-.00493	.00015	-.00313	-.00477	-.03208	-.00306
#2	-.00143	-.00665	.00040	-.00425	-.00134	-.03000	-.00383

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00281	.12413	-.00068	-.00132	-.00842	-.02623
SDev	.00002	.00029	.00000	.00002	.00007	.00028	.02092
%RSD	69.286	10.491	.00000	2.9093	5.0692	3.3384	79.773
#1	-.00005	-.00260	.12413	-.00067	-.00137	-.00861	-.04102
#2	-.00002	-.00301	.12413	-.00069	-.00127	-.00822	-.01143

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00089	.03130	-.00072	-.00307	.37831	-.00169	.00214
SDev	.00005	.00190	.00022	.00037	.41041	.00082	.00004
%RSD	5.2445	6.0771	31.021	12.173	108.48	48.660	1.7286
#1	.00085	.02995	-.00088	-.00281	.08811	-.00227	.00212
#2	.00092	.03264	-.00057	-.00334	.66851	-.00111	.00217

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03140	-.00667	.00098	-.00017	-.00180	.00469	-.00967
SDev	.02002	.00178	.01086	.00086	.00084	.00028	.00133
%RSD	63.768	26.709	1106.6	500.39	46.562	6.0760	13.743
#1	.01724	-.00541	-.00670	.00044	-.00239	.00449	-.00873
#2	.04556	-.00793	.00866	-.00078	-.00121	.00490	-.01062

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00704	-.01834	-.00272	-.00712	.92219
SDev	.00133	.00030	.00031	.00069	.00607
%RSD	18.896	1.6631	11.460	9.6646	.65861
#1	-.00798	-.01855	-.00294	-.00761	.91789
#2	-.00610	-.01812	-.00250	-.00664	.92648

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Method: 6010B Sample Name: S2032-26S Operator: DR
Run Time: 04/22/04 13:28:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.87121	2.2921	1.1309	2.1618	.86134	2.1323	.22182
SDev	.00422	.0406	.0407	.0812	.01125	.0157	.00040
%RSD	.48445	1.7721	3.5965	3.7541	1.3057	.73572	.17835
#1	.87420	2.2633	1.1021	2.1044	.85339	2.1212	.22154
#2	.86823	2.3208	1.1596	2.2192	.86929	2.1434	.22210

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21485	.23336	1.7466	.44014	.21855	.28724	3.0208
SDev	.00015	.00048	.0021	.00128	.00097	.00167	.0235
%RSD	.06761	.20508	.12006	.28977	.44366	.58246	.77650
#1	.21474	.23302	1.7451	.43924	.21786	.28842	3.0042
#2	.21495	.23370	1.7481	.44104	.21923	.28606	3.0374

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21906	2.6355	.57248	.08086	5.1163	.31234	.23810
SDev	.00021	.0712	.00018	.00001	.0074	.00516	.00024
%RSD	.09547	2.7010	.03225	.01260	.14550	1.6514	.10088
#1	.21920	2.6858	.57261	.08086	5.1215	.31598	.23793
#2	.21891	2.5852	.57235	.08087	5.1110	.30869	.23827

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.5492	.88806	.80461	1.1545	1.1172	2.2073	2.1374
SDev	.1307	.00577	.04533	.0010	.0613	.0064	.1247
%RSD	1.3684	.64952	5.6334	.08643	5.4901	.29011	5.8357
#1	9.6416	.89214	.77256	1.1552	1.0738	2.2119	2.0492
#2	9.4568	.88398	.83666	1.1538	1.1605	2.2028	2.2256

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.43241	.30454	.20362	.79239	5.6680
SDev	.00365	.00317	.00079	.00314	.0079
%RSD	.84419	1.0414	.38790	.39609	.13931
#1	.42983	.30230	.20306	.79017	5.6624
#2	.43499	.30678	.20418	.79461	5.6736

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Method: 6010B Sample Name: S2032-26SD Operator: DR
Run Time: 04/22/04 13:30:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.88045	2.3656	1.1615	2.2144	.87661	2.1442	.22287
SDev	.00692	.0283	.0006	.0087	.00067	.0179	.00129
%RSD	.78621	1.1976	.05094	.39410	.07664	.83680	.57717
#1	.87555	2.3455	1.1611	2.2083	.87708	2.1315	.22196
#2	.88534	2.3856	1.1619	2.2206	.87613	2.1569	.22378

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21547	.23371	1.7532	.44135	.21909	.28705	3.0453
SDev	.00124	.00131	.0096	.00212	.00194	.00296	.0184
%RSD	.57653	.56074	.54493	.47971	.88488	1.0321	.60582
#1	.21459	.23279	1.7465	.43985	.21772	.28495	3.0322
#2	.21635	.23464	1.7600	.44285	.22046	.28914	3.0583

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21932	2.5915	.57432	.07966	4.6657	.30794	.23918
SDev	.00119	.0160	.00229	.00028	.0898	.00106	.00152
%RSD	.54099	.61857	.39890	.34566	1.9252	.34430	.63637
#1	.21848	2.5802	.57270	.07946	4.7292	.30719	.23810
#2	.22016	2.6028	.57594	.07985	4.6022	.30869	.24025

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.5261	.89551	.83554	1.1588	1.1607	2.2139	2.2130
SDev	.0358	.00020	.00162	.0072	.0023	.0115	.0075
%RSD	.37612	.02192	.19440	.62324	.19768	.52026	.33778
#1	9.5008	.89565	.83669	1.1537	1.1624	2.2057	2.2077
#2	9.5515	.89537	.83439	1.1639	1.1591	2.2220	2.2183

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.43610	.30678	.20429	.79663	5.6827
SDev	.00210	.00427	.00116	.00342	.0193
%RSD	.48243	1.3916	.56976	.42957	.33933
#1	.43461	.30376	.20347	.79421	5.6691
#2	.43759	.30980	.20512	.79905	5.6963

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Method: 6010B Sample Name: S2032-26A Operator: DR
Run Time: 04/22/04 13:32:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.88248	2.3767	1.1693	2.2374	.88192	2.1587	.22304
SDev	.00393	.0288	.0029	.0082	.00436	.0172	.00094
%RSD	.44495	1.2123	.24818	.36722	.49441	.79646	.42149
#1	.87971	2.3564	1.1672	2.2316	.87884	2.1465	.22238
#2	.88526	2.3971	1.1713	2.2432	.88501	2.1709	.22371

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21631	.23503	1.7651	.44341	.22098	.28598	3.0627
SDev	.00084	.00124	.0077	.00186	.00007	.00145	.0037
%RSD	.38589	.52751	.43566	.42004	.03029	.50785	.12037
#1	.21572	.23415	1.7596	.44210	.22103	.28495	3.0600
#2	.21690	.23591	1.7705	.44473	.22093	.28701	3.0653

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22039	2.6226	.57947	.07991	4.9678	.30878	.23969
SDev	.00075	.0128	.00040	.00000	.0675	.00012	.00072
%RSD	.33784	.48691	.06883	.00151	1.3586	.03914	.30081
#1	.21986	2.6136	.57919	.07991	5.0156	.30869	.23918
#2	.22092	2.6317	.57976	.07991	4.9201	.30886	.24020

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.5776	.90183	.83885	1.1639	1.1700	2.2389	2.2349
SDev	.0285	.00398	.00513	.0017	.0050	.0015	.0114
%RSD	.29708	.44075	.61184	.14305	.43079	.06905	.51030
#1	9.5574	.89902	.83522	1.1651	1.1665	2.2378	2.2269
#2	9.5977	.90464	.84248	1.1627	1.1736	2.2400	2.2430

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.43967	.30954	.20534	.80365	5.7270
SDev	.00187	.00268	.00127	.00047	.0255
%RSD	.42535	.86691	.61748	.05795	.44542
#1	.43835	.30764	.20444	.80332	5.7090
#2	.44099	.31144	.20623	.80398	5.7451

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Method: 6010B Sample Name: S2152-03 Operator: DR
Run Time: 04/22/04 13:34:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00892	.01620	.00116	.00015	.00142	-.00334	.09942
SDev	.00042	.00969	.00071	.00411	.00303	.00330	.00064
%RSD	4.7063	59.795	61.091	2732.4	214.14	98.601	.64692
#1	.00862	.02306	.00167	.00305	.00356	-.00101	.09958
#2	.00922	.00935	.00066	-.00275	-.00073	-.00568	.09897

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	-.00270	38.459	.00951	-.00049	-.00592	.09735
SDev	.00002	.00017	.266	.00031	.00110	.00000	.00616
%RSD	36.840	6.1717	.69071	3.2987	223.84	.01951	6.3252
#1	.00008	-.00258	38.647	.00929	.00029	-.00592	.10170
#2	.00005	-.00282	38.271	.00973	-.00127	-.00592	.09299

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16383	7.9780	.00989	-.00302	10.349	.00041	.02164
SDev	.00107	.0315	.00008	.00126	.199	.00000	.00052
%RSD	.65355	.39505	.82605	41.763	1.9229	.07957	2.3982
#1	.16459	8.0003	.00995	-.00391	10.208	.00041	.02200
#2	.16307	7.9557	.00983	-.00213	10.490	.00041	.02127

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.66999	.00462	-.00819	.00658	-.00344	.00640	-.00457
SDev	.00211	.00028	.00968	.00353	.00269	.00322	.00455
%RSD	.31458	6.0709	118.11	53.680	78.101	50.321	99.596
#1	.66850	.00442	-.00135	.00408	-.00154	.00867	-.00135
#2	.67149	.00481	-.01503	.00908	-.00534	.00412	-.00778

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00335	.05588	-.00152	-.01577	8.5223
SDev	.00032	.00220	.00015	.00263	.0390
%RSD	9.6489	3.9289	9.6017	16.690	.45789
#1	-.00358	.05743	-.00162	-.01391	8.5499
#2	-.00313	.05433	-.00141	-.01763	8.4947

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 13:41:04
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3246	5.4789	5.3804	5.3622	5.1174	10.311	10.164
SDev	.0043	.0223	.0176	.0213	.0186	.012	.011
%RSD	.08151	.40659	.32759	.39632	.36346	.12016	.10566
#1	5.3216	5.4632	5.3929	5.3773	5.1306	10.319	10.157
#2	5.3277	5.4947	5.3679	5.3472	5.1043	10.302	10.172

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25753	2.7025	26.310	1.0258	2.5765	1.1990	4.9543
SDev	.00008	.0028	.034	.0017	.0035	.0005	.0073
%RSD	.03091	.10514	.13070	.16590	.13685	.04303	.14645
#1	.25758	2.7045	26.334	1.0270	2.5790	1.1986	4.9594
#2	.25747	2.7005	26.285	1.0246	2.5740	1.1994	4.9492

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5255	27.286	2.6336	1.2932	26.459	2.4794	2.5605
SDev	.0016	.052	.0006	.0014	.057	.0031	.0004
%RSD	.06495	.18950	.02218	.10584	.21681	.12482	.01443
#1	2.5266	27.322	2.6340	1.2922	26.500	2.4816	2.5602
#2	2.5243	27.249	2.6332	1.2942	26.419	2.4772	2.5607

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.246	5.1696	5.0098	5.3279	5.4046	5.3218	5.3809
SDev	.049	.0253	.0052	.0222	.0153	.0380	.0129
%RSD	.18543	.48964	.10288	.41696	.28372	.71318	.24000
#1	26.280	5.1875	5.0135	5.3436	5.4155	5.3486	5.3900
#2	26.211	5.1517	5.0062	5.3122	5.3938	5.2949	5.3717

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.2952	5.2331	4.9884	5.2316	Q5.7718
SDev	.0047	.0082	.0012	.0070	.0108
%RSD	.08850	.15717	.02407	.13364	.18687
#1	5.2985	5.2273	4.9892	5.2365	Q5.7642
#2	5.2919	5.2389	4.9875	5.2266	Q5.7794

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 13:43:18
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00206	.00433	.00085	-.00188	.00247	-.03466	-.00547
SDev	.00207	.00590	.00017	.00355	.00113	.00439	.00015
%RSD	100.32	136.29	20.628	188.57	45.764	12.678	2.7060
#1	.00352	.00016	.00097	.00063	.00167	-.03156	-.00537
#2	.00060	.00850	.00073	-.00440	.00327	-.03777	-.00558

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	-.00285	-.00192	-.00078	-.00153	-.00913	-.01578
SDev	.00001	.00015	.00256	.00004	.00017	.00129	.03816
%RSD	648.45	5.1637	133.48	5.0367	10.924	14.110	241.83
#1	-.00000	-.00275	-.00011	-.00075	-.00141	-.00822	.01120
#2	.00001	-.00296	-.00373	-.00080	-.00165	-.01004	-.04277

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	-.01020	-.00054	-.00353	-.07822	-.00144	-.00159
SDev	.00007	.00299	.00039	.00017	.02283	.00047	.00024
%RSD	9.4893	29.295	72.629	4.9611	29.186	32.694	14.827
#1	.00069	-.00809	-.00081	-.00365	-.09436	-.00111	-.00142
#2	.00079	-.01232	-.00026	-.00340	-.06207	-.00177	-.00176

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.08037	.00128	.00164	-.00009	-.00048	.00003	-.00444
SDev	.00422	.00384	.00431	.00154	.00103	.00530	.00268
%RSD	5.2443	299.98	261.93	1647.4	215.33	16742.	60.371
#1	-.08335	-.00144	.00469	-.00118	.00025	.00378	-.00255
#2	-.07739	.00400	-.00140	.00100	-.00121	-.00372	-.00634

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00667	-.02049	-.00219	-.00349	.01215
SDev	.00052	.00238	.00031	.00130	.01033
%RSD	7.8145	11.607	14.227	37.167	84.976
#1	-.00630	-.01881	-.00197	-.00257	.01945
#2	-.00704	-.02217	-.00241	-.00440	.00485

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Method: 6010B Sample Name: S2239-01 Operator: DR
Run Time: 04/22/04 13:45:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203.	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05006	.00126	.12477	.01368	.01019	71.753	.42558
SDev	.00443	.00180	.00116	.00329	.00677	.423	.00001
%RSD	8.8420	142.64	.93052	24.080	66.507	.58926	.00168
#1	.05319	-.00001	.12560	.01601	.01498	72.052	.42558
#2	.04693	.00253	.12395	.01135	.00540	71.454	.42557

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00500	.00575	29.588	.12313	.07248	.16924	216.96
SDev	.00008	.00032	.114	.00207	.00092	.00486	.72
%RSD	1.5361	5.5938	.38546	1.6818	1.2649	2.8735	.33011
#1	.00495	.00598	29.668	.12166	.07184	.16580	216.45
#2	.00506	.00552	29.507	.12459	.07313	.17268	217.47

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4474	23.403	.10803	-.00567	.10956	.17950	.36856
SDev	.0124	.057	.00122	.00302	.94947	.00254	.00155
%RSD	.27909	.24462	1.1264	53.252	866.65	1.4145	.42190
#1	4.4386	23.443	.10717	-.00781	-.56182	.17770	.36746
#2	4.4562	23.362	.10889	-.00354	.78093	.18129	.36966

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.7850	-.00379	.03497	.17893	.09574	-.00992	.02386
SDev	.0628	.00367	.01300	.00434	.00391	.00136	.00426
%RSD	.92503	96.856	37.172	2.4250	4.0808	13.702	17.851
#1	6.7406	-.00119	.04416	.17586	.09850	-.00896	.02687
#2	6.8294	-.00638	.02578	.18200	.09298	-.01088	.02085

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00539	-.01065	3.6401	-.13717	3.4589
SDev	.00212	.00226	.0089	.00226	.0200
%RSD	39.218	21.265	.24411	1.6484	.57965
#1	.00689	-.00905	3.6338	-.13557	3.4731
#2	.00390	-.01225	3.6464	-.13876	3.4447

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Method: 6010B Sample Name: S2239-02D Operator: DR
Run Time: 04/22/04 13:47:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03270	.00388	.11799	.01484	.01056	71.394	.35968
SDev	.00130	.00221	.00054	.00035	.00379	.239	.00006
%RSD	3.9739	56.980	.46002	2.3402	35.873	.33543	.01636
#1	.03362	.00232	.11760	.01509	.01324	71.224	.35972
#2	.03178	.00545	.11837	.01460	.00788	71.563	.35964

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00395	.00586	19.749	.09858	.05836	.14877	217.59
SDev	.00011	.00001	.043	.00106	.00028	.00405	1.03
%RSD	2.7415	.24558	.21628	1.0785	.48821	2.7221	.47376
#1	.00387	.00585	19.718	.09783	.05816	.14591	216.86
#2	.00403	.00587	19.779	.09934	.05856	.15164	218.32

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8031	22.339	.08276	-.00334	-.26292	.18576	.39127
SDev	.0053	.142	.00151	.00165	.83889	.00187	.00374
%RSD	.18816	.63470	1.8240	49.484	319.07	1.0046	.95694
#1	2.7994	22.238	.08382	-.00451	-.85610	.18444	.38862
#2	2.8068	22.439	.08169	-.00217	.33027	.18708	.39391

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4590	.00449	.01951	.18043	.08501	.00174	.01969
SDev	.1314	.00549	.00038	.00130	.00146	.00673	.00374
%RSD	2.9461	122.22	1.9491	.72044	1.7206	387.24	18.982
#1	4.3661	.00837	.01978	.18135	.08398	-.00302	.02233
#2	4.5519	.00061	.01924	.17951	.08605	.00649	.01704

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00501	-.01681	2.6251	-.09952	6.3210
SDev	.00029	.00157	.0041	.00146	.0174
%RSD	5.7412	9.3276	.15653	1.4701	.27462
#1	.00521	-.01570	2.6222	-.09849	6.3087
#2	.00481	-.01792	2.6280	-.10055	6.3333

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Method: 6010B Sample Name: S2239-02 04/22/04 Operator: DR
Run Time: 04/22/04 13:49:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03388	.00416	.11827	.01008	.00549	71.749	.36080
SDev	.00073	.01016	.00218	.00104	.00005	.075	.00010
%RSD	2.1474	244.13	1.8465	10.323	.92381	.10406	.02663
#1	.03439	.01135	.11982	.01081	.00552	71.696	.36087
#2	.03336	-.00302	.11673	.00934	.00545	71.802	.36073

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00406	.00587	19.854	.10039	.05851	.15159	218.78
SDev	.00001	.00013	.015	.00060	.00095	.00079	.09
%RSD	.20898	2.1705	.07426	.59490	1.6214	.52140	.04341
#1	.00407	.00578	19.844	.10081	.05918	.15215	218.84
#2	.00405	.00596	19.865	.09997	.05784	.15104	218.71

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8161	22.564	.08239	-.00245	.35963	.18871	.39436
SDev	.0014	.014	.00021	.00034	.09845	.00045	.00071
%RSD	.05102	.06046	.25714	13.704	27.374	.23892	.17887
#1	2.8151	22.554	.08224	-.00221	.42924	.18839	.39387
#2	2.8171	22.573	.08254	-.00269	.29002	.18903	.39486

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5529	-.00242	.01811	.17687	.08722	-.00676	.01688
SDev	.0190	.00229	.00444	.00147	.00254	.00789	.00238
%RSD	.41676	94.807	24.492	.83126	2.9124	116.78	14.111
#1	4.5663	-.00080	.01497	.17791	.08901	-.00118	.01520
#2	4.5395	-.00404	.02125	.17583	.08542	-.01234	.01857

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00337	-.02030	2.6365	-.10147	6.3756
SDev	.00014	.00325	.0030	.00236	.0063
%RSD	4.0155	16.020	.11209	2.3219	.09919
#1	.00347	-.01800	2.6344	-.09980	6.3711
#2	.00327	-.02260	2.6386	-.10313	6.3801

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Method: 6010B Sample Name: S2239-02LX5 Operator: DR
Run Time: 04/22/04 13:51:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203.	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01065	-.00026	.03053	.00985	.00853	14.937	.07677
SDev	.00114	.00078	.00173	.00210	.00100	.222	.00111
%RSD	10.725	301.77	5.6815	21.321	11.701	1.4853	1.4470
#1	.00985	-.00081	.03175	.00837	.00923	15.093	.07756
#2	.01146	.00029	.02930	.01134	.00782	14.780	.07599

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00095	.00133	4.2633	.02028	.01302	.02830	46.961
SDev	.00005	.00101	.0314	.00194	.00174	.00510	.478
%RSD	4.8200	75.715	.73743	9.5650	13.353	18.032	1.0186
#1	.00092	.00062	4.2856	.01890	.01179	.02469	47.299
#2	.00098	.00205	4.2411	.02165	.01425	.03191	46.623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.60538	4.7336	.01768	-.01249	-.43810	.03547	.08716
SDev	.00317	.1569	.00136	.01872	.32520	.00648	.00070
%RSD	.52299	3.3143	7.6673	149.92	74.229	18.266	.80176
#1	.60761	4.6226	.01672	-.02573	-.66805	.03089	.08766
#2	.60314	4.8445	.01863	.00075	-.20815	.04005	.08667

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93333	.00723	.00793	.04311	.02224	.00636	.00990
SDev	.03795	.00263	.00228	.00151	.00185	.00300	.00151
%RSD	4.0661	36.450	28.760	3.5028	8.3001	47.194	15.259
#1	.96016	.00909	.00632	.04418	.02355	.00424	.00883
#2	.90649	.00536	.00954	.04204	.02094	.00848	.01097

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00235	-.00063	.55848	-.01574	1.3930
SDev	.00042	.00029	.00678	.00211	.0210
%RSD	17.969	46.026	1.2142	13.401	1.5070
#1	.00265	-.00084	.56328	-.01723	1.4078
#2	.00205	-.00043	.55369	-.01425	1.3781

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Method: 6010B Sample Name: S2239-03 Operator: DR
Run Time: 04/22/04 14:01:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03699	-.00300	.11382	-.00150	.00586	63.483	.38146
SDev	.00009	.00560	.00044	.00088	.00038	.061	.00034
%RSD	.23824	186.50	.38215	58.472	6.4252	.09592	.08783
#1	.03693	.00096	.11413	-.00212	.00612	63.440	.38122
#2	.03705	-.00696	.11351	-.00088	.00559	63.527	.38169

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00443	.00497	35.024	.09133	.06475	.14927	194.11
SDev	.00001	.00047	.051	.00006	.00003	.00132	.45
%RSD	.21939	9.4950	.14610	.06107	.04869	.88509	.23226
#1	.00442	.00531	34.987	.09137	.06477	.14833	193.79
#2	.00443	.00464	35.060	.09129	.06473	.15020	194.42

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9569	21.372	.08246	-.00366	.33687	.17667	.34914
SDev	.0057	.012	.00047	.00143	.11757	.00101	.00030
%RSD	.14464	.05586	.56653	38.973	34.903	.57026	.08660
#1	3.9529	21.364	.08279	-.00265	.42001	.17738	.34893
#2	3.9610	21.381	.08213	-.00467	.25373	.17596	.34936

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0920	.00016	.01406	.17161	.08317	-.01228	.00219
SDev	.0039	.00139	.00392	.00081	.00024	.00291	.00028
%RSD	.07644	848.36	27.866	.47514	.29462	23.716	12.922
#1	5.0893	-.00082	.01683	.17219	.08334	-.01434	.00239
#2	5.0948	.00115	.01129	.17104	.08299	-.01022	.00199

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	-.02449	2.6891	-.11046	7.1128
SDev	.00098	.00046	.0028	.00184	.0082
%RSD	1931.4	1.8971	.10312	1.6686	.11540
#1	.00064	-.02482	2.6871	-.10915	7.1186
#2	-.00074	-.02416	2.6911	-.11176	7.1070

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Method: 6010B Sample Name: S2239-04 Operator: DR
Run Time: 04/22/04 14:03:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04564	-.00341	.16438	-.00208	.00436	60.370	.40313
SDev	.00045	.00131	.00037	.00221	.00018	.008	.00010
%RSD	.98113	38.512	.22489	106.33	4.0896	.01366	.02438
#1	.04533	-.00248	.16464	-.00052	.00449	60.375	.40320
#2	.04596	-.00434	.16412	-.00365	.00424	60.364	.40306

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00415	.00480	34.037	.09340	.06164	.16415	177.13
SDev	.00001	.00023	.026	.00004	.00032	.00001	.13
%RSD	.16231	4.7023	.07644	.03988	.51350	.00636	.07234
#1	.00414	.00464	34.019	.09337	.06142	.16414	177.04
#2	.00415	.00496	34.056	.09343	.06187	.16415	177.22

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9166	21.763	.08035	-.00400	1.5909	.17358	.36869
SDev	.0034	.024	.00161	.00050	.1591	.00035	.00051
%RSD	.08654	.10858	1.9986	12.451	10.001	.19990	.13879
#1	3.9142	21.746	.08149	-.00365	1.7034	.17333	.36832
#2	3.9190	21.780	.07922	-.00435	1.4784	.17382	.36905

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.4341	-.00271	.01533	.21601	.13681	-.01413	.00233
SDev	.0122	.00058	.00063	.00107	.00109	.00047	.00355
%RSD	.18904	21.414	4.0954	.49727	.79709	3.3478	152.29
#1	6.4427	-.00230	.01489	.21525	.13758	-.01446	.00485
#2	6.4255	-.00312	.01577	.21677	.13604	-.01379	-.00018

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00132	-.01164	3.1610	-.12831	7.5089
SDev	.00076	.00064	.0032	.00015	.0057
%RSD	57.461	5.4899	.10054	.11846	.07527
#1	.00186	-.01118	3.1588	-.12820	7.5049
#2	.00079	-.01209	3.1633	-.12842	7.5129

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Method: 6010B Sample Name: S2239-05 Operator: DR
Run Time: 04/22/04 14:05:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04693	-.00463	.15313	-.00254	.00687	63.638	.40149
SDev	.00106	.00349	.00146	.00192	.00309	.073	.00106
%RSD	2.2691	75.390	.95177	75.425	44.895	.11462	.26459
#1	.04617	-.00216	.15209	-.00119	.00469	63.586	.40074
#2	.04768	-.00709	.15416	-.00390	.00905	63.690	.40224

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00462	.00497	35.491	.10398	.07054	.16337	196.97
SDev	.00000	.00066	.049	.00026	.00025	.00041	.48
%RSD	.00994	13.299	.13684	.25120	.35829	.24981	.24572
#1	.00462	.00543	35.456	.10417	.07036	.16366	196.63
#2	.00462	.00450	35.525	.10380	.07072	.16308	197.31

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0972	22.876	.08961	-.00408	.89871	.18076	.37308
SDev	.0076	.022	.00120	.00365	.02846	.00021	.00099
%RSD	.18627	.09584	1.3418	89.481	3.1668	.11561	.26499
#1	4.0918	22.861	.08876	-.00150	.87859	.18090	.37238
#2	4.1025	22.892	.09046	-.00667	.91884	.18061	.37378

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.6305	.00041	.01661	.21170	.12208	-.01212	.00054
SDev	.0253	.00245	.00435	.00254	.00345	.00122	.00363
%RSD	.38157	597.30	26.214	1.2004	2.8290	10.076	669.00
#1	6.6126	-.00132	.01353	.21350	.11964	-.01299	.00311
#2	6.6484	.00214	.01969	.20990	.12452	-.01126	-.00202

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.02256	3.2256	-.13237	5.8142
SDev	.00078	.00006	.0048	.00277	.0036
%RSD	839.06	.25743	.14997	2.0957	.06249
#1	-.00046	-.02260	3.2222	-.13041	5.8168
#2	.00064	-.02252	3.2290	-.13433	5.8116

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Method: 6010B Sample Name: S2239-02S Operator: DR
Run Time: 04/22/04 14:07:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76472	1.8167	1.0433	1.8624	.75628	63.080	2.2834
SDev	.00285	.0092	.0006	.0031	.00249	.065	.0016
%RSD	.37279	.50744	.06235	.16551	.32965	.10365	.06996
#1	.76271	1.8102	1.0438	1.8645	.75804	63.034	2.2822
#2	.76674	1.8232	1.0429	1.8602	.75452	63.126	2.2845

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19250	.18972	22.075	.46610	.23693	.41629	177.69
SDev	.00030	.00077	.019	.00086	.00016	.00192	.31
%RSD	.15815	.40569	.08643	.18410	.06671	.46229	.17321
#1	.19229	.18918	22.061	.46549	.23682	.41493	177.47
#2	.19272	.19027	22.088	.46671	.23704	.41765	177.90

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7573	17.907	.53266	.08951	3.2827	.45609	.51909
SDev	.0043	.036	.00024	.00057	.1302	.00127	.00040
%RSD	.15548	.19998	.04543	.63593	3.9655	.27783	.07795
#1	2.7543	17.881	.53249	.08911	3.1906	.45520	.51880
#2	2.7604	17.932	.53284	.08992	3.3747	.45699	.51938

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.745	.74432	.77702	1.0840	1.0207	1.8282	1.8776
SDev	.093	.00461	.00176	.0034	.0006	.0009	.0051
%RSD	.73298	.61986	.22580	.31250	.05629	.05036	.27051
#1	12.811	.74759	.77578	1.0864	1.0203	1.8276	1.8812
#2	12.679	.74106	.77826	1.0816	1.0212	1.8289	1.8740

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.36708	.23746	2.6166	.54428	8.8712
SDev	.00076	.00168	.0043	.00464	.0153
%RSD	.20740	.70923	.16554	.85178	.17291
#1	.36654	.23627	2.6136	.54100	8.8604
#2	.36761	.23865	2.6197	.54756	8.8821

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Method: 6010B Sample Name: S2239-02SD Operator: DR
Run Time: 04/22/04 14:09:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76064	1.8177	1.0379	1.8602	.75285	62.901	2.2843
SDev	.00658	.0020	.0041	.0074	.00661	.073	.0019
%RSD	.86548	.10989	.39675	.39781	.87768	.11542	.08486
#1	.76530	1.8163	1.0408	1.8654	.75752	62.850	2.2829
#2	.75599	1.8191	1.0350	1.8549	.74818	62.953	2.2857

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19180	.18972	21.926	.46419	.23550	.41325	176.30
SDev	.00004	.00006	.007	.00035	.00028	.00091	.18
%RSD	.01900	.03297	.03363	.07636	.12102	.21988	.10253
#1	.19177	.18968	21.920	.46394	.23530	.41261	176.17
#2	.19182	.18976	21.931	.46444	.23570	.41390	176.43

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7455	17.809	.52977	.07150	2.9907	.45402	.51561
SDev	.0011	.003	.00196	.00056	.1204	.00046	.00005
%RSD	.03924	.01778	.37000	.78635	4.0250	.10212	.00924
#1	2.7447	17.811	.53116	.07190	3.0758	.45369	.51557
#2	2.7462	17.806	.52838	.07111	2.9056	.45435	.51564

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.459	.74440	.76657	1.0851	1.0119	1.8311	1.8729
SDev	.004	.01115	.00248	.0075	.0024	.0049	.0087
%RSD	.03124	1.4971	.32352	.69071	.24031	.26543	.46280
#1	12.456	.75228	.76482	1.0904	1.0136	1.8345	1.8790
#2	12.462	.73652	.76833	1.0798	1.0102	1.8277	1.8667

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.36782	.23779	2.6062	.53992	8.8976
SDev	.00137	.00052	.0024	.00154	.0007
%RSD	.37257	.21980	.09087	.28505	.00756
#1	.36879	.23742	2.6045	.53883	8.8981
#2	.36685	.23816	2.6079	.54100	8.8971

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Method: 6010B Sample Name: S2239-02A Operator: DR
Run Time: 04/22/04 14:11:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.75710	1.8223	1.0360	1.8517	.75045	62.624	2.2787
SDev	.00785	.0048	.0002	.0024	.00191	.258	.0104
%RSD	1.0370	.26284	.02327	.13168	.25412	.41154	.45737
#1	.76265	1.8257	1.0359	1.8535	.75180	62.806	2.2861
#2	.75154	1.8189	1.0362	1.8500	.74911	62.441	2.2714

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19111	.18873	21.837	.46225	.23378	.41115	175.24
SDev	.00083	.00147	.076	.00168	.00139	.00190	.68
%RSD	.43281	.77715	.34851	.36324	.59498	.46184	.38652
#1	.19170	.18977	21.891	.46344	.23476	.41249	175.72
#2	.19053	.18769	21.783	.46106	.23279	.40981	174.76

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7334	17.723	.52601	.06975	2.5753	.45172	.51405
SDev	.0112	.054	.00231	.00088	.3877	.00208	.00312
%RSD	.40813	.30514	.43833	1.2637	15.055	.46068	.60604
#1	2.7413	17.762	.52764	.07037	2.8495	.45319	.51625
#2	2.7255	17.685	.52438	.06912	2.3012	.45025	.51185

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.410	.74102	.76614	1.0782	1.0127	1.8234	1.8641
SDev	.029	.00111	.00351	.0044	.0017	.0085	.0079
%RSD	.23523	.14960	.45767	.40920	.16784	.46508	.42324
#1	12.431	.74181	.76862	1.0750	1.0139	1.8174	1.8696
#2	12.390	.74024	.76366	1.0813	1.0115	1.8294	1.8585

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.36559	.23569	2.5964	.53978	8.8787
SDev	.00174	.00035	.0090	.00302	.0433
%RSD	.47663	.14784	.34614	.55968	.48801
#1	.36682	.23594	2.6028	.54192	8.9093
#2	.36436	.23545	2.5901	.53765	8.8480

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Analysis Report QC Standard 04/22/04 02:17:06 PM page 1

Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 14:15:11
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9086	4.8871	4.9198	4.9933	4.9676	9.7869	9.9630
SDev	.0099	.0127	.0003	.0069	.0069	.0386	.0528
%RSD	.20135	.25894	.00563	.13748	.13821	.39470	.52970
#1	4.9156	4.8961	4.9196	4.9982	4.9627	9.8142	10.000
#2	4.9016	4.8782	4.9200	4.9885	4.9724	9.7595	9.9257

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24825	2.4348	24.263	.97567	2.4254	1.2429	4.9858
SDev	.00091	.0077	.083	.00267	.0068	.0049	.0342
%RSD	.36500	.31720	.34316	.27336	.27894	.39165	.68646
#1	.24889	2.4402	24.322	.97756	2.4302	1.2464	5.0100
#2	.24761	2.4293	24.204	.97379	2.4206	1.2395	4.9616

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4741	23.898	2.4383	1.2447	22.702	2.4427	2.4678
SDev	.0085	.056	.0092	.0048	.051	.0071	.0043
%RSD	.34201	.23344	.37848	.38176	.22607	.28944	.17257
#1	2.4801	23.937	2.4448	1.2481	22.738	2.4477	2.4708
#2	2.4681	23.858	2.4318	1.2413	22.665	2.4377	2.4648

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.538	4.9352	5.0292	4.8656	4.9449	4.9435	5.0166
SDev	.172	.0061	.0084	.0008	.0000	.0107	.0049
%RSD	.72965	.12378	.16666	.01660	.00023	.21709	.09836
#1	23.659	4.9309	5.0233	4.8650	4.9448	4.9511	5.0201
#2	23.417	4.9395	5.0352	4.8661	4.9449	4.9359	5.0131

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.8882	4.9937	4.9164	4.8217	4.9899
SDev	.0124	.0073	.0159	.0076	.0270
%RSD	.25438	.14653	.32319	.15683	.54203
#1	4.8970	4.9988	4.9276	4.8271	5.0090
#2	4.8794	4.9885	4.9052	4.8164	4.9707

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Analysis Report QC Standard 04/22/04 02:24:26 PM page 1

Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 14:17:43
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00354	-.00023	.00300	.00141	.00706	.03006	.00446
SDev	.00134	.00000	.00334	.00115	.00002	.00826	.00121
%RSD	37.852	1.5057	111.51	81.850	.24034	27.489	27.200
#1	.00259	-.00023	Q.00536	.00059	.00705	.03590	.00532
#2	.00449	-.00023	.00063	.00222	.00707	.02421	.00360

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00213	.01155	.00046	.00171	-.00043	.02415
SDev	.00004	.00044	.00542	.00052	.00047	.00112	.00000
%RSD	13.743	20.791	46.941	112.60	27.711	259.98	.01150
#1	.00029	.00244	.01538	.00009	.00205	.00036	.02415
#2	.00024	.00181	.00771	.00083	.00138	-.00122	.02415

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00223	.00142	.00137	.00116	-.44404	.00052	.00107
SDev	.00061	.00317	.00017	.00048	.02473	.00034	.00069
%RSD	27.132	223.55	12.521	41.161	5.5689	65.066	64.927
#1	.00266	.00366	.00149	.00082	-.42655	.00076	.00156
#2	.00180	-.00082	.00125	.00150	-.46153	.00028	.00058

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14584	.00631	.00537	.00574	-.00037	.00036	.00013
SDev	.00243	.00013	.00021	.00185	.00409	.00198	.00074
%RSD	1.6681	2.0706	3.9249	32.240	1105.9	549.34	559.68
#1	.14756	.00621	.00551	.00705	.00252	-.00104	-.00039
#2	.14412	.00640	.00522	.00443	-.00326	.00176	.00065

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00549	.01107	.00286	.00404	-.00486
SDev	.00259	.00523	.00047	.00329	.00363
%RSD	47.166	47.204	16.292	81.389	74.718
#1	.00732	.01477	.00319	.00636	-.00229
#2	.00366	.00738	.00253	.00171	-.00743

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Method: 6010B Sample Name: S2239-06 Operator: DR
Run Time: 04/22/04 14:24:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02698	.00456	.13409	.00342	.00597	53.030	.32809
SDev	.00218	.00411	.00001	.00099	.00444	.175	.00092
%RSD	8.0764	90.240	.00959	28.952	74.326	.32959	.28036
#1	.02853	.00165	.13410	.00412	.00283	53.153	.32874
#2	.02544	.00747	.13408	.00272	.00911	52.906	.32744

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00333	.00436	22.192	.07879	.05937	.13007	152.69
SDev	.00002	.00002	.030	.00056	.00095	.00119	.18
%RSD	.67515	.52368	.13678	.71055	1.5980	.91382	.12001
#1	.00332	.00438	22.214	.07918	.06004	.13091	152.82
#2	.00335	.00434	22.171	.07839	.05870	.12923	152.56

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4974	14.953	.06779	-.00342	.53614	.14865	.32888
SDev	.0033	.008	.00003	.00000	.00093	.00001	.00047
%RSD	.13301	.05050	.05091	.10516	.17404	.00561	.14133
#1	2.4997	14.959	.06781	-.00341	.53680	.14865	.32921
#2	2.4950	14.948	.06777	-.00342	.53548	.14864	.32855

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9512	.00103	.01266	.18372	.10752	-.00815	.00749
SDev	.0409	.00823	.00315	.00364	.00184	.00349	.00337
%RSD	1.0344	796.86	24.924	1.9814	1.7082	42.827	44.938
#1	3.9801	-.00479	.01489	.18114	.10881	-.01062	.00987
#2	3.9223	.00685	.01043	.18629	.10622	-.00568	.00511

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00184	-.01114	1.9888	-.07904	6.8681
SDev	.00078	.00076	.0036	.00302	.0152
%RSD	42.311	6.7750	.18321	3.8219	.22139
#1	.00129	-.01061	1.9913	-.07691	6.8788
#2	.00239	-.01168	1.9862	-.08118	6.8573

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Method: 6010B Sample Name: S2239-07 Operator: DR
Run Time: 04/22/04 14:26:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03115	-.00773	.13246	-.00233	.00832	55.766	.36263
SDev	.00111	.00266	.00208	.00042	.00157	.289	.00042
%RSD	3.5518	34.385	1.5696	18.081	18.911	.51763	.11577
#1	.03037	-.00961	.13099	-.00203	.00721	55.562	.36233
#2	.03193	-.00585	.13393	-.00263	.00943	55.971	.36292

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00357	.00474	20.905	.08896	.04848	.12816	163.04
SDev	.00002	.00006	.080	.00080	.00010	.00121	1.67
%RSD	.62564	1.1502	.38271	.90200	.19583	.94173	1.0272
#1	.00355	.00470	20.849	.08839	.04841	.12902	161.85
#2	.00358	.00478	20.962	.08952	.04854	.12731	164.22

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5384	15.524	.06447	-.00135	.40186	.16632	.40317
SDev	.0139	.072	.00033	.00263	.12271	.00007	.00239
%RSD	.54651	.46606	.51086	194.57	30.535	.04115	.59204
#1	2.5286	15.473	.06470	.00051	.48863	.16627	.40148
#2	2.5482	15.576	.06424	-.00321	.31509	.16637	.40486

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5123	.00148	.01883	.18784	.10302	-.00728	-.00146
SDev	.0151	.00080	.00313	.00004	.00310	.00297	.00085
%RSD	.33425	53.969	16.621	.01941	3.0082	40.778	58.193
#1	4.5016	.00091	.01662	.18782	.10083	-.00518	-.00206
#2	4.5230	.00204	.02104	.18787	.10521	-.00938	-.00086

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00201	-.01414	2.4217	-.09750	6.5989
SDev	.00027	.00256	.0187	.00067	.0675
%RSD	13.489	18.070	.77064	.68203	1.0236
#1	.00220	-.01233	2.4085	-.09703	6.6467
#2	.00182	-.01595	2.4349	-.09798	6.5511

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Method: 6010B Sample Name: S2239-08 Operator: DR
Run Time: 04/22/04 14:28:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03519	-.00763	.16494	-.00175	.00868	59.468	.37228
SDev	.00064	.00324	.00095	.00131	.00099	.118	.00005
%RSD	1.8206	42.477	.57718	75.163	11.410	.19901	.01289
#1	.03565	-.00534	.16426	-.00267	.00798	59.552	.37231
#2	.03474	-.00992	.16561	-.00082	.00938	59.384	.37225

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00387	.00467	26.831	.25534	.05450	.15993	171.91
SDev	.00002	.00035	.020	.00095	.00060	.00011	.05
%RSD	.55566	7.5505	.07435	.37267	1.1020	.06760	.02902
#1	.00385	.00442	26.845	.25467	.05408	.15986	171.95
#2	.00388	.00492	26.816	.25601	.05493	.16001	171.88

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.0688	18.265	.13557	-.00410	.92345	.17616	.38719
SDev	.0013	.004	.00122	.00024	.15210	.00046	.00001
%RSD	.04096	.02134	.90187	5.7741	16.471	.25855	.00297
#1	3.0696	18.267	.13470	-.00426	.81590	.17584	.38718
#2	3.0679	18.262	.13643	-.00393	1.0310	.17648	.38719

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5289	.00406	.01472	.21984	.13573	-.00944	.00050
SDev	.0331	.00437	.00579	.00298	.00291	.00161	.00277
%RSD	.59839	107.73	39.313	1.3531	2.1457	17.014	556.36
#1	5.5055	.00097	.01881	.22194	.13367	-.00831	-.00146
#2	5.5523	.00715	.01063	.21773	.13779	-.01058	.00246

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00400	-.01090	2.5977	-.10323	5.1696
SDev	.00052	.00064	.0013	.00025	.0048
%RSD	13.096	5.8623	.05065	.23928	.09370
#1	.00363	-.01045	2.5986	-.10340	5.1662
#2	.00438	-.01135	2.5968	-.10305	5.1730

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Method: 6010B Sample Name: S2239-09 Operator: DR
Run Time: 04/22/04 14:30:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03727	-.00521	.16616	-.00130	.00601	66.114	.41568
SDev	.00399	.00107	.00195	.00023	.00002	.095	.00000
%RSD	10.709	20.463	1.1718	17.887	.34412	.14363	.00005
#1	.04010	-.00446	.16478	-.00146	.00603	66.047	.41568
#2	.03445	-.00597	.16753	-.00113	.00600	66.181	.41568

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00438	.00502	27.765	.10460	.05972	.15905	184.57
SDev	.00000	.00034	.022	.00050	.00095	.00089	.02
%RSD	.02298	6.6977	.07966	.48158	1.5886	.56283	.01194
#1	.00438	.00526	27.749	.10496	.05905	.15969	184.59
#2	.00438	.00478	27.780	.10424	.06039	.15842	184.56

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3721	19.881	.08135	-.00229	.83867	.18977	.46676
SDev	.0016	.016	.00017	.00284	.04526	.00046	.00093
%RSD	.04794	.07842	.21063	124.15	5.3963	.24110	.19857
#1	3.3710	19.892	.08147	-.00028	.87067	.19009	.46611
#2	3.3733	19.870	.08123	-.00430	.80667	.18944	.46742

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6583	.00028	.01430	.22604	.13446	-.00842	.00066
SDev	.0545	.00062	.00117	.00642	.00613	.00426	.00247
%RSD	.96305	221.42	8.1876	2.8411	4.5554	50.604	373.67
#1	5.6198	.00071	.01347	.23058	.13013	-.00541	-.00109
#2	5.6968	-.00016	.01513	.22150	.13879	-.01143	.00241

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.01697	2.8898	-.11746	7.8090
SDev	.00034	.00087	.0003	.00042	.0081
%RSD	109.83	5.1318	.01121	.35588	.10338
#1	.00055	-.01636	2.8896	-.11775	7.8147
#2	.00007	-.01759	2.8901	-.11716	7.8033

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Method: 6010B Sample Name: PB13728BL Operator: DR
Run Time: 04/22/04 14:33:21
Comment: PBW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00092	.00083	.00126	.00329	.00509	.10945	.00036
SDev	.00058	.00298	.00066	.00105	.00101	.05282	.00011
%RSD	62.772	356.96	52.129	31.866	19.775	48.255	29.006
#1	.00051	.00294	.00080	.00403	.00437	.14680	.00029
#2	.00133	-.00127	.00173	.00255	.00580	.07210	.00044

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00044	.00440	.00016	.00055	-.00103	-.00316
SDev	.00001	.00008	.00071	.00024	.00003	.00029	.01656
%RSD	11.673	17.733	16.165	153.57	6.1502	27.762	523.68
#1	.00007	.00038	.00490	.00032	.00053	-.00124	-.01487
#2	.00008	.00049	.00389	-.00001	.00057	-.00083	.00855

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	.00935	.00016	.00062	-.20960	-.00040	-.00143
SDev	.00005	.00272	.00024	.00055	.06700	.00024	.00061
%RSD	5.5150	29.062	152.82	88.273	31.966	58.859	42.606
#1	.00082	.01127	.00032	.00101	-.16222	-.00024	-.00100
#2	.00089	.00743	-.00001	.00023	-.25698	-.00057	-.00186

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.03281	.00321	.00563	.00011	.00004	.00309	.00179
SDev	.02117	.00090	.00122	.00017	.00090	.00351	.00332
%RSD	64.546	27.948	21.678	160.09	2307.6	113.77	185.46
#1	-.01783	.00258	.00477	-.00001	-.00060	.00060	.00414
#2	-.04778	.00385	.00649	.00023	.00068	.00557	-.00056

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.01440	.00073	.00441	.00796
SDev	.00028	.00417	.00028	.00034	.00082
%RSD	42.744	28.933	37.492	7.7879	10.332
#1	.00085	.01734	.00054	.00417	.00738
#2	.00046	.01145	.00093	.00466	.00854

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Method: 6010B Sample Name: S2136-01 Operator: DR
Run Time: 04/22/04 14:36:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00484	.00234	.00247	.00412	.06204	-.00031
SDev	.00125	.00184	.00274	.00064	.00162	.00150	.00021
%RSD	1209.8	38.053	117.36	26.090	39.446	2.4126	68.402
#1	.00099	.00614	.00428	.00292	.00297	.06099	-.00016
#2	-.00078	.00354	.00040	.00201	.00527	.06310	-.00046

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00031	.00373	.00016	.00100	-.00079	.00269
SDev	.00002	.00020	.00024	.00036	.00007	.00063	.01064
%RSD	23.429	67.036	6.3573	230.44	6.7308	79.369	395.62
#1	.00008	.00045	.00389	-.00010	.00105	-.00123	.01022
#2	.00006	.00016	.00356	.00041	.00096	-.00035	-.00484

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00062	.00781	-.00031	.00079	.16209	-.00032	-.00200
SDev	.00009	.00109	.00007	.00031	.06863	.00012	.00004
%RSD	15.218	13.912	23.251	39.495	42.343	37.165	1.9470
#1	.00069	.00858	-.00036	.00057	.21062	-.00024	-.00197
#2	.00055	.00705	-.00026	.00101	.11356	-.00040	-.00203

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.02471	.00382	.00152	.00205	.00068	.00798	-.00198
SDev	.01316	.00232	.00024	.00080	.00451	.00182	.00201
%RSD	53.263	60.689	15.711	38.834	662.44	22.777	101.64
#1	-.03402	.00218	.00135	.00149	.00387	.00670	-.00056
#2	-.01541	.00545	.00169	.00261	-.00251	.00927	-.00341

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00032	.00983	.00072	.00468	.00436
SDev	.00026	.00093	.00004	.00093	.00263
%RSD	80.392	9.4919	5.8881	19.851	60.437
#1	.00051	.01048	.00075	.00534	.00622
#2	.00014	.00917	.00069	.00403	.00249

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Method: 6010B Sample Name: PB13831BL Operator: DR
Run Time: 04/22/04 14:38:30
Comment: PBS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	-.00022	-.00055	.00130	.00477	.07899	-.00075
SDev	.00155	.00446	.00072	.00069	.00052	.01199	.00021
%RSD	204.52	2057.8	130.74	53.436	10.852	15.174	27.906
#1	.00034	-.00337	-.00105	.00081	.00513	.08747	-.00060
#2	-.00186	.00294	-.00004	.00179	.00440	.07052	-.00090

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00003	.00105	-.00031	.00014	-.00172	-.01153
SDev	.00001	.00007	.00071	.00038	.00074	.00023	.00946
%RSD	26.157	236.45	67.931	122.42	516.24	13.293	82.066
#1	.00003	-.00002	.00155	-.00058	-.00038	-.00156	-.00484
#2	.00002	.00008	.00054	-.00004	.00067	-.00188	-.01821

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.00224	.00008	-.00075	-.24773	-.00032	-.00274
SDev	.00002	.00299	.00051	.00084	.18956	.00036	.00004
%RSD	5.4016	133.40	683.77	110.62	76.519	111.12	1.5249
#1	.00042	.00435	.00044	-.00016	-.11369	-.00007	-.00277
#2	.00045	.00013	-.00029	-.00135	-.38177	-.00057	-.00271

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.07651	.00445	.00219	.00273	-.00398	.00250	-.00090
SDev	.00515	.00463	.00773	.00359	.00287	.00223	.00216
%RSD	6.7320	104.06	352.32	131.44	71.930	89.398	239.61
#1	-.07287	.00773	-.00327	.00527	-.00601	.00408	-.00242
#2	-.08015	.00118	.00766	.00019	-.00196	.00092	.00062

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00053	.00574	.00076	.00489	.00680
SDev	.00034	.00473	.00044	.00024	.00346
%RSD	62.656	82.368	58.191	4.9664	50.819
#1	.00030	.00908	.00108	.00471	.00924
#2	.00077	.00240	.00045	.00506	.00436

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Method: 6010B Sample Name: PB13816BL Operator: DR
Run Time: 04/22/04 14:40:29
Comment: PBW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00127	.00364	.00103	-.00289	.00277	.07821	-.00116
SDev	.00216	.00609	.00112	.00030	.00095	.00560	.00005
%RSD	170.86	167.35	108.37	10.311	34.303	7.1645	4.5255
#1	.00280	.00794	.00182	-.00268	.00344	.07424	-.00112
#2	-.00026	-.00067	.00024	-.00310	.00210	.08217	-.00120

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	-.00008	.00088	-.00003	.00086	-.00208	-.00485
SDev	.00001	.00017	.00095	.00018	.00101	.00051	.00238
%RSD	42.379	218.86	107.84	647.39	117.75	24.692	49.145
#1	.00004	-.00020	.00155	.00010	.00158	-.00172	-.00653
#2	.00002	.00004	.00021	-.00015	.00014	-.00245	-.00316

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00042	.00551	-.00083	-.00044	-.25852	.00044	-.00337
SDev	.00005	.00000	.00047	.00087	.55670	.00119	.00012
%RSD	11.183	.00000	57.219	195.74	215.34	272.31	3.5934
#1	.00045	.00551	-.00116	.00017	.13513	.00128	-.00328
#2	.00039	.00551	-.00049	-.00106	-.65216	-.00040	-.00345

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.04616	.00174	.00162	.00260	-.00155	.00381	-.00783
SDev	.03777	.00118	.00049	.00002	.00166	.00038	.00026
%RSD	81.827	67.732	30.023	.80037	107.32	10.050	3.2649
#1	-.01945	.00258	.00196	.00261	-.00037	.00408	-.00765
#2	-.07287	.00091	.00127	.00258	-.00273	.00354	-.00801

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00596	.00045	.00273	.00214
SDev	.00030	.00155	.00021	.00034	.00378
%RSD	79.039	26.095	47.083	12.607	176.39
#1	.00059	.00706	.00060	.00248	.00482
#2	.00017	.00486	.00030	.00297	-.00053

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Method: 6010B Sample Name: PB13831BS Operator: DR
Run Time: 04/22/04 14:42:57
Comment: LCSS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.74836	1.8912	.95794	1.8663	.71318	1.7330	1.8497
SDev	.00351	.0072	.00411	.0076	.00701	.0045	.0048
%RSD	.46853	.38180	.42941	.40774	.98274	.26022	.25835
#1	.74588	1.8861	.96085	1.8717	.71814	1.7298	1.8463
#2	.75084	1.8963	.95504	1.8609	.70823	1.7361	1.8531

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18777	.19298	4.6710	.38068	.19146	.27497	2.7218
SDev	.00070	.00024	.0102	.00167	.00084	.00131	.0024
%RSD	.37294	.12242	.21809	.43876	.44058	.47812	.08766
#1	.18727	.19281	4.6638	.37950	.19087	.27404	2.7235
#2	.18826	.19314	4.6782	.38186	.19206	.27590	2.7201

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19111	1.8698	.48017	.07106	2.6741	.27697	.20109
SDev	.00061	.0106	.00014	.00059	.0387	.00119	.00052
%RSD	.32027	.56687	.03000	.82568	1.4489	.43056	.25971
#1	.19068	1.8623	.48027	.07064	2.7015	.27613	.20073
#2	.19154	1.8773	.48006	.07147	2.6467	.27781	.20146

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.7397	.70723	.72190	.94739	.96122	1.8508	1.8724
SDev	.0556	.01064	.00027	.00778	.00229	.0184	.0022
%RSD	.63596	1.5050	.03775	.82089	.23767	.99307	.11923
#1	8.7004	.71476	.72170	.95289	.96283	1.8638	1.8740
#2	8.7790	.69971	.72209	.94189	.95960	1.8378	1.8709

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.35489	.27620	.17619	.64600	Q.63946
SDev	.00117	.00062	.00032	.00115	.00724
%RSD	.33018	.22510	.17995	.17839	1.1319
#1	.35406	.27664	.17597	.64519	Q.64458
#2	.35572	.27576	.17642	.64682	Q.63434

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Method: 6010B Sample Name: PB13816BS Operator: DR
Run Time: 04/22/04 14:45:24
Comment: LCSW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.74653	1.8964	.96046	1.8724	.71769	1.7332	1.8490
SDev	.00585	.0120	.00225	.0019	.00103	.0109	.0063
%RSD	.78395	.63112	.23377	.10413	.14321	.62762	.34080
#1	.74239	1.8879	.96205	1.8710	.71842	1.7255	1.8445
#2	.75067	1.9048	.95888	1.8737	.71696	1.7409	1.8534

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18788	.19298	4.6691	.38100	.19246	.27561	2.7126
SDev	.00064	.00018	.0180	.00181	.00064	.00017	.0130
%RSD	.33844	.09480	.38561	.47492	.33301	.06271	.47872
#1	.18743	.19285	4.6564	.37972	.19201	.27549	2.7034
#2	.18833	.19311	4.6819	.38228	.19292	.27573	2.7218

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19100	1.8717	.48156	.07153	Q2.5175	.27764	.20101
SDev	.00082	.0024	.00070	.00016	.1970	.00143	.00008
%RSD	.43157	.13068	.14529	.22373	7.8260	.51551	.03773
#1	.19041	1.8700	.48107	.07164	2.6568	.27663	.20096
#2	.19158	1.8734	.48206	.07142	Q2.3782	.27865	.20106

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.7685	.71526	.71937	.95477	.96131	1.8625	1.8757
SDev	.0066	.00251	.00195	.00176	.00249	.0031	.0014
%RSD	.07561	.35138	.27073	.18414	.25886	.16449	.07430
#1	8.7638	.71703	.71799	.95601	.96307	1.8603	1.8747
#2	8.7732	.71348	.72074	.95352	.95955	1.8647	1.8767

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.35527	.27835	.17627	.64882	Q.63760
SDev	.00164	.00180	.00068	.00303	.00164
%RSD	.46071	.64775	.38370	.46741	.25800
#1	.35411	.27707	.17579	.64667	Q.63644
#2	.35643	.27962	.17675	.65096	Q.63876

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 14:47:46
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0498	5.0313	5.1251	5.0998	5.0336	9.9113	9.7483
SDev	.0069	.0156	.0023	.0109	.0028	.0112	.0189
%RSD	.13574	.30975	.04539	.21294	.05605	.11346	.19339
#1	5.0547	5.0423	5.1235	5.1075	5.0356	9.9193	9.7617
#2	5.0450	5.0203	5.1268	5.0921	5.0316	9.9034	9.7350

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25208	2.5579	25.201	1.0071	2.5257	1.2357	5.0588
SDev	.00003	.0023	.004	.0002	.0004	.0013	.0059
%RSD	.01012	.09112	.01504	.01973	.01736	.10168	.11671
#1	.25206	2.5563	25.199	1.0072	2.5260	1.2348	5.0630
#2	.25210	2.5596	25.204	1.0070	2.5254	1.2365	5.0547

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5183	25.502	2.5388	1.2430	23.448	2.4951	2.5446
SDev	.0004	.004	.0009	.0008	.098	.0007	.0022
%RSD	.01779	.01386	.03365	.06704	.41582	.02862	.08721
#1	2.5186	25.499	2.5394	1.2435	23.517	2.4957	2.5464
#2	2.5180	25.504	2.5382	1.2424	23.380	2.4946	2.5432

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.886	5.0198	5.0580	5.1095	5.1309	5.0948	5.1007
SDev	.021	.0012	.0108	.0103	.0016	.0158	.0084
%RSD	.08625	.02357	.21437	.20073	.03181	.31066	.16427
#1	23.901	5.0189	5.0657	5.1022	5.1321	5.1060	5.1066
#2	23.872	5.0206	5.0504	5.1168	5.1298	5.0836	5.0948

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.0202	5.0819	4.9997	5.1169	4.9040
SDev	.0045	.0025	.0018	.0118	.0063
%RSD	.09003	.05016	.03508	.23115	.12747
#1	5.0234	5.0801	5.0010	5.1085	4.9084
#2	5.0170	5.0837	4.9985	5.1252	4.8995

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 14:51:24
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00167	.00133	.00341	.00345	.00683	-.05900	.00021
SDev	.00055	.00100	.00014	.00128	.00105	.00413	.00011
%RSD	32.697	74.568	4.0649	37.121	15.365	7.0059	49.356
#1	.00129	.00063	.00331	.00436	.00609	-.05607	.00014
#2	.00206	.00204	.00351	.00255	.00757	-.06192	.00029

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00039	.00155	-.00096	.00048	-.00208	-.00567
SDev	.00003	.00002	.00000	.00058	.00074	.00006	.01063
%RSD	44.361	3.8881	.00000	60.330	155.33	2.6788	187.41
#1	.00009	.00040	.00155	-.00055	.00100	-.00212	.00184
#2	.00005	.00038	.00155	-.00136	-.00005	-.00205	-.01319

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.00493	-.00033	-.00019	-.46921	-.00015	-.00311
SDev	.00014	.00190	.00025	.00084	.23804	.00107	.00056
%RSD	21.628	38.577	74.368	433.18	50.733	697.99	18.109
#1	.00075	.00628	-.00051	.00040	-.30089	.00060	-.00271
#2	.00055	.00359	-.00016	-.00078	-.63753	-.00091	-.00351

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.11819	.00606	.00516	.00192	.00215	.00586	.00065
SDev	.01831	.00265	.00216	.00031	.00036	.00048	.00216
%RSD	15.495	43.732	41.801	16.209	16.845	8.1561	330.54
#1	-.10524	.00419	.00669	.00214	.00190	.00552	.00218
#2	-.13114	.00793	.00364	.00170	.00241	.00620	-.00087

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00128	.02539	.00087	.00773	.00750
SDev	.00032	.00802	.00030	.00232	.00905
%RSD	24.626	31.591	34.115	30.078	120.70
#1	.00151	.03106	.00108	.00937	.01389
#2	.00106	.01972	.00066	.00609	.00110

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Method: 6010B Sample Name: S2207-01 Operator: DR
Run Time: 04/22/04 14:53:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00240	-.00520	.00323	.00383	.00474	-.01577	.61839
SDev	.00070	.00403	.00050	.00073	.00198	.00375	.01066
%RSD	28.967	77.391	15.453	19.130	41.890	23.753	1.7232
#1	.00290	-.00805	.00287	.00331	.00614	-.01842	.61085
#2	.00191	-.00236	.00358	.00434	.00333	-.01312	.62592

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00068	494.26	.00294	.00386	.00167	18.582
SDev	.00002	.00022	10.96	.00000	.00047	.00048	.408
%RSD	47.710	32.326	2.2179	.00151	12.228	28.878	2.1959
#1	.00002	.00084	486.50	.00294	.00353	.00201	18.294
#2	.00005	.00053	502.01	.00294	.00420	.00133	18.871

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9252	153.13	.01114	-.00289	1077.9	.00421	-.01246
SDev	.1282	3.86	.00037	.00088	22.7	.00022	.00000
%RSD	2.1631	2.5238	3.3079	30.440	2.1051	5.2585	.00259
#1	5.8346	150.40	.01140	-.00227	1061.9	.00437	-.01246
#2	6.0158	155.87	.01088	-.00351	1094.0	.00406	-.01246

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H141.21	.00849	-.00599	.01430	-.00420	.01153	-.00162
SDev	2.96	.00201	.00999	.00210	.00044	.00192	.00014
%RSD	2.0932	23.697	166.81	14.697	10.546	16.630	8.6762
#1	H139.12	.00707	.00107	.01281	-.00389	.01017	-.00172
#2	H143.30	.00992	-.01305	.01578	-.00451	.01288	-.00152

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00203	1.9177	-.00822	-.05679	12.046
SDev	.00093	.0491	.00038	.00295	.268
%RSD	45.729	2.5612	4.6286	5.1979	2.2260
#1	.00138	1.8829	-.00795	-.05470	11.856
#2	.00269	1.9524	-.00849	-.05888	12.235

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Method: 6010B Sample Name: S2207-01D Operator: DR
Run Time: 04/22/04 14:55:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00228	.00194	.00429	.00229	.00190	-.01234	.62351
SDev	.00082	.00394	.00005	.00028	.00058	.00335	.00299
%RSD	36.182	203.53	1.1770	12.343	30.640	27.166	.48012
#1	.00170	-.00085	.00433	.00249	.00231	-.00997	.62563
#2	.00286	.00472	.00426	.00209	.00149	-.01471	.62139

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00063	504.14	.00222	.00296	.00085	18.926
SDev	.00001	.00006	.89	.00070	.00101	.00023	.043
%RSD	22.963	10.193	.17753	31.314	34.224	27.514	.22485
#1	.00002	.00058	503.51	.00173	.00224	.00068	18.896
#2	.00002	.00067	504.77	.00271	.00367	.00101	18.956

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0239	156.46	.01053	-.00430	1101.2	.00313	-.01259
SDev	.0084	.51	.00103	.00195	3.1	.00155	.00008
%RSD	.13997	.32864	9.7700	45.400	.28013	49.456	.61384
#1	6.0179	156.10	.00980	-.00568	1103.4	.00204	-.01253
#2	6.0298	156.82	.01125	-.00292	1099.0	.00423	-.01264

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H143.97	.00306	-.00363	.01130	-.00120	.00675	-.00153
SDev	.34	.00024	.00127	.00333	.00174	.00683	.00383
%RSD	.23374	7.8743	34.896	29.497	144.64	101.20	250.46
#1	H144.21	.00323	-.00273	.00894	.00003	.00192	.00118
#2	H143.73	.00289	-.00452	.01366	-.00243	.01157	-.00424

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00256	1.9596	-.00831	-.05605	12.263
SDev	.00056	.0027	.00030	.00109	.083
%RSD	21.799	.13959	3.5612	1.9480	.68011
#1	.00217	1.9616	-.00852	-.05527	12.322
#2	.00295	1.9577	-.00810	-.05682	12.204

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Method: 6010B Sample Name: S2207-01LX5 Operator: DR
Run Time: 04/22/04 14:57:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00413	.00133	-.00029	-.00216	.00315	-.04945	.12772
SDev	.00262	.00142	.00032	.00191	.00186	.00638	.00005
%RSD	63.466	106.17	110.70	88.393	59.022	12.896	.04131
#1	.00228	.00233	-.00051	-.00081	.00446	-.05396	.12776
#2	.00598	.00033	-.00006	-.00352	.00183	-.04494	.12768

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00001	116.52	.00052	.00115	.00139	4.0671
SDev	.00000	.00045	.01	.00044	.00088	.00052	.0248
%RSD	4.3413	5767.3	.00794	84.001	76.579	37.098	.61046
#1	.00003	-.00031	116.53	.00021	.00053	.00103	4.0496
#2	.00003	.00032	116.51	.00083	.00177	.00176	4.0847

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3040	33.505	.00202	-.00109	189.53	.00102	-.00610
SDev	.0015	.064	.00036	.00104	.21	.00060	.00008
%RSD	.11740	.19143	17.772	95.190	.10979	58.408	1.2947
#1	1.3051	33.459	.00177	-.00183	189.38	.00060	-.00604
#2	1.3029	33.550	.00228	-.00036	189.68	.00144	-.00615

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.897	.00284	.00055	.00177	-.00331	.00238	-.00603
SDev	.041	.00275	.00008	.00173	.00039	.00575	.00574
%RSD	.17996	96.576	13.903	97.575	11.639	241.73	95.127
#1	22.926	.00478	.00060	.00055	-.00304	-.00169	-.00197
#2	22.868	.00090	.00049	.00299	-.00359	.00644	-.01009

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00021	.43213	-.00137	-.00810	2.5857
SDev	.00110	.01100	.00042	.00158	.0099
%RSD	533.90	2.5466	30.756	19.479	.38172
#1	-.00057	.43991	-.00167	-.00921	2.5787
#2	.00098	.42435	-.00108	-.00698	2.5927

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Method: 6010B Sample Name: S2207-01S Operator: DR
Run Time: 04/22/04 14:59:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203.	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.77602	1.8031	.92062	1.9529	.77203	1.9451	2.5165
SDev	.00351	.0150	.00234	.0009	.00176	.0011	.0026
%RSD	.45188	.83406	.25455	.04799	.22804	.05646	.10226
#1	.77850	1.7925	.91896	1.9522	.77078	1.9443	2.5147
#2	.77354	1.8137	.92228	1.9536	.77327	1.9459	2.5184

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18403	.18191	517.49	.36788	.18529	.28090	21.830
SDev	.00035	.00051	.39	.00179	.00223	.00263	.026
%RSD	.18898	.27801	.07576	.48643	1.2015	.93706	.11907
#1	.18427	.18227	517.76	.36915	.18686	.28276	21.848
#2	.18378	.18155	517.21	.36662	.18371	.27903	21.811

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3091	162.01	.46627	.07448	1130.4	.27758	.18134
SDev	.0035	.27	.00292	.00264	4.0	.00167	.00002
%RSD	.05486	.16943	.62685	3.5449	.35435	.60058	.01242
#1	6.3116	162.20	.46834	.07635	1127.5	.27906	.18136
#2	6.3067	161.81	.46421	.07261	1133.2	.27670	.18132

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H160.95	.76975	.77339	.92425	.91641	1.9424	1.9564
SDev	.96	.00236	.01001	.01118	.00909	.0291	.0161
%RSD	.59737	.30606	1.2937	1.2092	.99226	1.4999	.82248
#1	H160.27	.77141	.76632	.93215	.90998	1.9630	1.9451
#2	H161.63	.76808	.78047	.91634	.92284	1.9218	1.9678

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.37462	2.2634	.17513	.60703	13.204
SDev	.00110	.0057	.00025	.00034	.018
%RSD	.29293	.25271	.14482	.05662	.13580
#1	.37384	2.2594	.17531	.60727	13.191
#2	.37539	2.2674	.17495	.60679	13.216

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Method: 6010B Sample Name: S2207-01SD Operator: DR
Run Time: 04/22/04 15:01:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76946	1.7517	.91958	1.9354	.76401	1.9043	2.4498
SDev	.00747	.0323	.00584	.0140	.00129	.0244	.0224
%RSD	.97087	1.8450	.63463	.72286	.16939	1.2796	.91523
#1	.77474	1.7745	.92371	1.9453	.76309	1.9215	2.4656
#2	.76418	1.7288	.91546	1.9255	.76492	1.8870	2.4339

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18094	.17963	512.05	.36365	.18490	.27651	21.507
SDev	.00139	.00175	3.86	.00296	.00094	.00184	.163
%RSD	.76592	.97466	.75361	.81473	.51033	.66629	.75874
#1	.18192	.18087	514.78	.36575	.18557	.27781	21.622
#2	.17996	.17839	509.32	.36156	.18424	.27520	21.392

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.2119	160.56	.46359	.07570	1117.8	.27475	.17789
SDev	.0452	1.02	.00556	.00106	9.1	.00180	.00207
%RSD	.72830	.63727	1.1983	1.4018	.81057	.65380	1.1650
#1	6.2439	161.29	.46752	.07645	1124.2	.27602	.17935
#2	6.1799	159.84	.45966	.07495	1111.3	.27348	.17642

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H159.13	.76028	.76826	.91849	.91803	1.9262	1.9383
SDev	1.36	.01042	.01699	.00946	.01333	.0261	.0339
%RSD	.85484	1.3706	2.2110	1.0298	1.4521	1.3556	1.7474
#1	H160.10	.75292	.78028	.91180	.92745	1.9077	1.9622
#2	H158.17	.76765	.75625	.92518	.90860	1.9446	1.9143

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.36957	2.2236	.17195	.59720	13.026
SDev	.00307	.0200	.00188	.01041	.133
%RSD	.83042	.89752	1.0940	1.7435	1.0191
#1	.37174	2.2377	.17328	.60456	13.120
#2	.36740	2.2095	.17062	.58983	12.933

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Method: 6010B Sample Name: S2207-01A Operator: DR
Run Time: 04/22/04 15:03:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.78777	1.8005	.93363	1.9614	.76980	1.9483	2.4838
SDev	.01152	.0143	.00039	.0058	.00317	.0116	.0041
%RSD	1.4628	.79579	.04206	.29499	.41186	.59766	.16476
#1	.77962	1.7904	.93335	1.9655	.77204	1.9400	2.4809
#2	.79591	1.8106	.93390	1.9574	.76755	1.9565	2.4867

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18401	.18357	522.40	.36968	.18698	.27785	22.113
SDev	.00059	.00108	2.38	.00263	.00233	.00175	.370
%RSD	.32268	.58643	.45466	.70996	1.2449	.62818	1.6739
#1	.18359	.18280	520.72	.36783	.18533	.27661	21.852
#2	.18443	.18433	524.08	.37154	.18862	.27908	22.375

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3239	164.44	.47011	.07544	1138.7	.27840	.18090
SDev	.0211	1.13	.00170	.00292	1.8	.00240	.00112
%RSD	.33368	.68472	.36190	3.8683	.15384	.86162	.62019
#1	6.3090	163.64	.46891	.07338	1137.5	.27670	.18011
#2	6.3388	165.23	.47131	.07751	1140.0	.28009	.18170

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H162.17	.76601	.77417	.93385	.93172	1.9470	1.9671
SDev	.43	.00168	.00615	.00815	.00348	.0180	.0177
%RSD	.26820	.21973	.79432	.87277	.37353	.92340	.89780
#1	H161.86	.76720	.77851	.92809	.93418	1.9342	1.9796
#2	H162.48	.76482	.76982	.93961	.92925	1.9597	1.9546

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.37684	2.2722	.18245	.64337	13.288
SDev	.00595	.0162	.01057	.04777	.114
%RSD	1.5794	.71142	5.7921	7.4257	.85421
#1	.37263	2.2608	.17498	.60959	13.208
#2	.38105	2.2836	.18993	.67715	13.368

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Method: 6010B Sample Name: S2224-01 Operator: DR
Run Time: 04/22/04 15:05:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00072	.00528	-.00036	.00262	.00363	-.04760	.05651
SDev	.00277	.00276	.00039	.00026	.00393	.00225	.00000
%RSD	387.90	52.321	107.69	9.8277	108.23	4.7291	.00023
#1	-.00268	.00724	-.00064	.00244	.00085	-.04919	.05651
#2	.00125	.00333	-.00009	.00280	.00641	-.04601	.05651

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00014	74.259	.00048	.00007	.00272	-.01740
SDev	.00001	.00034	.461	.00085	.00010	.00011	.01302
%RSD	14.539	243.85	.62017	178.67	141.60	4.1576	74.837
#1	.00004	-.00038	73.933	-.00013	.00014	.00264	-.00819
#2	.00005	.00010	74.584	.00108	-.00000	.00280	-.02660

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00370	23.694	.00351	-.00065	34.441	.00077	.13180
SDev	.00021	.158	.00045	.00059	.068	.00048	.00077
%RSD	5.7293	.66527	12.908	90.870	.19769	61.625	.58406
#1	.00385	23.582	.00319	-.00106	34.489	.00044	.13125
#2	.00355	23.805	.00383	-.00023	34.393	.00111	.13234

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.2497	.00525	-.00282	.00505	-.00506	.00430	.00008
SDev	.0492	.00624	.00069	.00097	.00010	.00223	.00164
%RSD	.78751	118.75	24.434	19.290	1.8995	51.931	2039.1
#1	6.2149	.00084	-.00233	.00436	-.00513	.00588	-.00108
#2	6.2845	.00966	-.00330	.00574	-.00499	.00272	.00124

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00113	.16835	-.00021	-.00298	9.5171
SDev	.00013	.00429	.00017	.00194	.0459
%RSD	11.561	2.5481	81.024	65.179	.48224
#1	.00103	.17139	-.00009	-.00435	9.4846
#2	.00122	.16532	-.00033	-.00161	9.5495

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Method: 6010B Sample Name: S2224-02 Operator: DR
Run Time: 04/22/04 15:07:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00201	-.00580	.00046	-.00139	.00327	-.04786	.12954
SDev	.00293	.00191	.00067	.00152	.00246	.00413	.00016
%RSD	145.31	32.939	143.23	109.37	75.147	8.6236	.12137
#1	.00408	-.00445	.00094	-.00246	.00501	-.04494	.12943
#2	-.00006	-.00716	-.00001	-.00031	.00153	-.05077	.12965

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00025	93.990	.00010	.00360	-.00202	7.8807
SDev	.00001	.00014	.153	.00040	.00030	.00120	.0319
%RSD	1049.1	56.978	.16257	401.40	8.4243	59.354	.40532
#1	.00001	.00035	93.882	.00038	.00382	-.00117	7.8581
#2	-.00001	.00015	94.099	-.00018	.00339	-.00286	7.9033

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55469	26.101	.00963	-.00061	31.923	-.00000	.07057
SDev	.00064	.029	.00138	.00161	.308	.00059	.00017
%RSD	.11469	.10933	14.334	263.87	.96578	13346.	.23748
#1	.55424	26.081	.01060	.00053	32.141	.00042	.07069
#2	.55514	26.122	.00865	-.00175	31.705	-.00042	.07046

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4436	.00563	-.00466	.00617	-.00438	.00256	-.00496
SDev	.0023	.00222	.00293	.00059	.00070	.00638	.00546
%RSD	.04206	39.480	62.770	9.5388	16.069	249.28	110.15
#1	5.4420	.00720	-.00259	.00658	-.00388	.00707	-.00882
#2	5.4453	.00406	-.00673	.00575	-.00488	-.00195	-.00110

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	1.4155	-.00166	-.00266	14.504
SDev	.00026	.0176	.00011	.00137	.005
%RSD	268.58	1.2430	6.3724	51.621	.03742
#1	.00009	1.4030	-.00158	-.00364	14.500
#2	-.00028	1.4279	-.00173	-.00169	14.508

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Method: 6010B Sample Name: S2224-03 Operator: DR
Run Time: 04/22/04 15:09:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.00189	-.00045	-.00267	.00440	-.06827	.06037
SDev	.00232	.00233	.00153	.00042	.00105	.00301	.00052
%RSD	4419.9	123.58	335.75	15.569	23.799	4.4054	.86964
#1	.00169	.00354	-.00153	-.00237	.00514	-.06614	.06074
#2	-.00159	.00024	.00062	-.00296	.00366	-.07039	.06000

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00043	103.03	.00796	.00062	-.00269	.05786
SDev	.00002	.00026	.46	.00026	.00074	.00023	.01536
%RSD	76.353	59.557	.44353	3.2458	119.57	8.5729	26.552
#1	-.00001	-.00025	103.36	.00814	.00115	-.00252	.06873
#2	-.00004	-.00061	102.71	.00778	.00010	-.00285	.04700

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03326	27.513	.00240	-.00186	42.102	-.00030	.03425
SDev	.00038	.102	.00168	.00115	.577	.00083	.00044
%RSD	1.1328	.37240	70.022	62.007	1.3701	275.12	1.2861
#1	.03353	27.586	.00358	-.00105	42.510	.00029	.03456
#2	.03299	27.441	.00121	-.00268	41.694	-.00089	.03394

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.4638	.00663	-.00327	.00372	-.00454	.00213	-.00666
SDev	.1133	.00454	.00595	.00282	.00369	.00549	.00212
%RSD	1.5182	68.480	181.68	75.891	81.459	257.88	31.796
#1	7.5439	.00983	-.00748	.00571	-.00715	.00601	-.00816
#2	7.3836	.00342	.00093	.00172	-.00192	-.00175	-.00516

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00043	.27576	-.00224	-.00429	9.1373
SDev	.00030	.01355	.00004	.00178	.0513
%RSD	69.349	4.9151	1.8861	41.443	.56169
#1	.00022	.28534	-.00221	-.00555	9.1736
#2	.00064	.26617	-.00227	-.00304	9.1010

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Method: 6010B Sample Name: S2224-04 Operator: DR
Run Time: 04/22/04 15:11:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00160	.00434	.00100	.00202	.00598	-.05475	.04807
SDev	.00097	.00142	.00079	.00173	.00304	.01761	.00341
%RSD	61.050	32.602	79.311	85.645	50.880	32.155	7.1000
#1	-.00091	.00534	.00155	.00324	.00813	-.04230	.05049
#2	-.00229	.00334	.00044	.00080	.00383	-.06720	.04566

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	-.00028	55.873	.00062	.00024	-.00033	.16408
SDev	.00002	.00023	.722	.00026	.00047	.00057	.00473
%RSD	63.591	82.694	1.2923	41.749	198.29	171.33	2.8846
#1	-.00001	-.00012	55.362	.00044	.00057	.00007	.16743
#2	-.00004	-.00045	56.383	.00080	-.00010	-.00074	.16074

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00242	11.737	.00534	-.00068	34.538	.00070	.06099
SDev	.00009	.222	.00031	.00067	.312	.00012	.00032
%RSD	3.8908	1.8918	5.7795	99.162	.90372	17.102	.53189
#1	.00248	11.580	.00556	-.00020	34.317	.00061	.06076
#2	.00235	11.894	.00512	-.00116	34.758	.00078	.06122

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5939	.00638	.00197	.00468	-.00284	.00772	-.00243
SDev	.0544	.00577	.00242	.00158	.00039	.00258	.00388
%RSD	1.5128	90.415	122.49	33.789	13.889	33.472	159.57
#1	3.5554	.01046	.00026	.00580	-.00256	.00589	.00031
#2	3.6323	.00230	.00368	.00356	-.00312	.00955	-.00517

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00709	.04038	-.00040	-.01773	4.3819
SDev	.00997	.02810	.00108	.02010	.0510
%RSD	140.54	69.595	267.49	113.34	1.1638
#1	-.00004	.06025	.00036	-.00352	4.3459
#2	-.01414	.02051	-.00117	-.03194	4.4180

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 15:13:47
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2711	5.3099	5.4843	5.3522	5.1758	10.442	9.8516
SDev	.0183	.0390	.0201	.0163	.0065	.045	.0249
%RSD	.34631	.73412	.36739	.30376	.12568	.42796	.25319
#1	5.2840	5.3375	5.4985	5.3637	5.1804	10.473	9.8692
#2	5.2582	5.2824	5.4700	5.3407	5.1712	10.410	9.8339

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26126	2.7173	26.888	1.0540	2.6611	1.2469	5.3059
SDev	.00064	.0065	.090	.0034	.0101	.0033	.0236
%RSD	.24457	.23761	.33656	.32250	.38029	.26187	.44386
#1	.26171	2.7219	26.952	1.0564	2.6682	1.2493	5.3226
#2	.26081	2.7127	26.824	1.0516	2.6539	1.2446	5.2892

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6272	26.752	2.6843	1.2702	25.587	2.5857	2.6309
SDev	.0074	.103	.0130	.0036	.406	.0073	.0055
%RSD	.28057	.38432	.48431	.28398	1.5860	.28092	.20753
#1	2.6324	26.825	2.6935	1.2728	25.874	2.5908	2.6347
#2	2.6220	26.680	2.6751	1.2677	25.300	2.5805	2.6270

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.708	5.1601	5.2040	5.4410	5.5039	5.3253	5.3640
SDev	.256	.0086	.0367	.0119	.0362	.0152	.0319
%RSD	.99507	.16611	.70529	.21931	.65708	.28466	.59549
#1	25.889	5.1540	5.2300	5.4325	5.5295	5.3145	5.3866
#2	25.528	5.1662	5.1781	5.4494	5.4783	5.3360	5.3414

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.2238	5.1963	5.1673	5.4335	5.1227
SDev	.0084	.0037	.0132	.0215	.0220
%RSD	.16058	.07059	.25483	.39516	.43030
#1	5.2298	5.1937	5.1766	5.4487	5.1382
#2	5.2179	5.1989	5.1580	5.4183	5.1071

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 15:16:52
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00469	.00549	.00143	.00591	.00665	-.06085	.00159
SDev	.00079	.00149	.00050	.00124	.00057	.00599	.00037
%RSD	16.894	27.097	35.219	20.915	8.5624	9.8481	23.171
#1	.00413	.00654	.00107	.00679	.00705	-.06509	.00133
#2	.00525	.00444	.00179	.00504	.00625	-.05662	.00185

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00043	.05046	-.00062	.00050	-.00346	.01357
SDev	.00002	.00012	.00332	.00022	.00003	.00006	.00710
%RSD	86.437	27.923	6.5724	35.394	6.7330	1.6699	52.315
#1	.00001	.00035	.05281	-.00077	.00053	-.00342	.01858
#2	.00004	.00052	.04812	-.00046	.00048	-.00350	.00855

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	.01530	-.00094	-.00052	-.97340	-.00040	-.00346
SDev	.00002	.00210	.00026	.00027	.03268	.00000	.00040
%RSD	1.6017	13.710	27.480	52.604	3.3576	.02824	11.644
#1	.00149	.01382	-.00112	-.00071	-.95029	-.00040	-.00317
#2	.00145	.01679	-.00075	-.00033	-.99651	-.00040	-.00374

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.30556	.00656	.00362	-.00005	.00017	.00785	.00335
SDev	.00401	.00014	.00199	.00002	.00074	.00105	.00238
%RSD	1.3111	2.1551	55.027	49.139	438.34	13.413	71.059
#1	-.30839	.00646	.00503	-.00007	-.00036	.00710	.00503
#2	-.30272	.00666	.00221	-.00003	.00069	.00859	.00167

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00231	.02244	.00161	.01095	.01215
SDev	.00072	.00821	.00021	.00186	.00740
%RSD	31.404	36.568	13.090	16.992	60.934
#1	.00282	.02825	.00147	.01226	.01738
#2	.00180	.01664	.00176	.00963	.00691

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Method: 6010B Sample Name: S2236-01 Operator: DR
Run Time: 04/22/04 15:20:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07340	.00354	.13849	-.00071	.00426	73.217	1.0887
SDev	.00094	.00808	.00101	.00132	.00046	.323	.0010
%RSD	1.2749	228.50	.72660	186.55	10.772	.44100	.09579
#1	.07406	-.00218	.13920	-.00164	.00394	72.988	1.0879
#2	.07274	.00925	.13778	.00023	.00459	73.445	1.0894

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00642	.00452	80.163	.19769	.10360	.19199	187.57
SDev	.00001	.00005	.187	.00070	.00007	.00080	.74
%RSD	.09887	1.0432	.23376	.35201	.06498	.41797	.39661
#1	.00642	.00456	80.030	.19720	.10356	.19143	187.04
#2	.00643	.00449	80.295	.19818	.10365	.19256	188.09

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2283	54.763	.18742	-.00544	1.7359	.27175	.53396
SDev	.0114	.150	.00077	.00079	.0120	.00075	.00224
%RSD	.26903	.27443	.40948	14.603	.69034	.27406	.41883
#1	4.2202	54.657	.18688	-.00487	1.7274	.27122	.53238
#2	4.2363	54.870	.18796	-.00600	1.7444	.27228	.53555

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.481	.00185	.00589	.20430	.10384	-.00181	-.00175
SDev	.092	.00379	.00621	.00095	.00198	.00524	.00064
%RSD	.52707	205.06	105.39	.46649	1.9111	289.90	36.742
#1	17.416	-.00083	.01029	.20363	.10524	-.00551	-.00130
#2	17.547	.00453	.00150	.20498	.10243	.00190	-.00221

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00224	.02943	1.6637	-.06341	3.9649
SDev	.00032	.00168	.0049	.00119	.0064
%RSD	14.111	5.7034	.29729	1.8812	.16180
#1	-.00202	.03062	1.6602	-.06256	3.9695
#2	-.00246	.02825	1.6672	-.06425	3.9604

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Method: 6010B Sample Name: S2236-02 Operator: DR
Run Time: 04/22/04 15:22:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01401	.00057	.06331	.00104	.01133	62.358	.21431
SDev	.00034	.00100	.00044	.00079	.00317	.075	.00011
%RSD	2.4037	173.88	.70242	76.249	27.948	.12015	.04946
#1	.01377	-.00013	.06362	.00160	.00909	62.305	.21438
#2	.01425	.00128	.06300	.00048	.01357	62.411	.21423

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00227	.00158	4.6641	.22784	.05898	.08696	89.808
SDev	.00000	.00005	.0057	.00042	.00010	.00058	.098
%RSD	.06947	2.9324	.12190	.18324	.17195	.66624	.10929
#1	.00228	.00162	4.6681	.22755	.05891	.08655	89.739
#2	.00227	.00155	4.6601	.22814	.05906	.08737	89.878

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98893	13.938	.09049	-.00217	.35237	.12052	.28641
SDev	.00007	.042	.00103	.00068	.27563	.00072	.00039
%RSD	.00713	.30296	1.1398	31.089	78.222	.59609	.13598
#1	.98888	13.908	.09121	-.00265	.15747	.12002	.28614
#2	.98898	13.968	.08976	-.00169	.54726	.12103	.28669

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2494	.01104	.00872	.10647	.03996	.00127	-.00068
SDev	.0355	.00203	.00545	.00195	.00030	.00087	.00162
%RSD	.67593	18.364	62.517	1.8281	.76324	68.389	239.63
#1	5.2243	.00960	.00486	.10785	.03975	.00065	.00047
#2	5.2745	.01247	.01257	.10509	.04018	.00188	-.00182

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00624	.00319	1.3995	-.05500	3.9492
SDev	.00022	.00286	.0017	.00091	.0033
%RSD	3.5755	89.744	.12233	1.6541	.08331
#1	.00608	.00521	1.3983	-.05436	3.9469
#2	.00640	.00116	1.4007	-.05565	3.9515

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Method: 6010B Sample Name: S2236-03 Operator: DR
Run Time: 04/22/04 15:24:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05798	-.00376	.07665	-.00194	.00909	49.734	.19790
SDev	.00232	.00133	.00004	.00052	.00032	.194	.00036
%RSD	4.0084	35.451	.05217	26.833	3.5249	.38924	.18049
#1	.05634	-.00470	.07663	-.00230	.00931	49.597	.19765
#2	.05962	-.00282	.07668	-.00157	.00886	49.870	.19815

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00544	.00465	3.7835	.19767	.06278	.08879	189.90
SDev	.00001	.00061	.0092	.00095	.00243	.00466	1.04
%RSD	.22465	13.101	.24419	.48236	3.8682	5.2499	.54748
#1	.00543	.00508	3.7770	.19834	.06450	.09209	189.17
#2	.00544	.00422	3.7900	.19699	.06106	.08549	190.64

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2736	8.7842	.07668	.01593	.46792	.16746	.26477
SDev	.0028	.1259	.00438	.02591	.03922	.00555	.00118
%RSD	.21644	1.4332	5.7052	162.60	8.3817	3.3150	.44559
#1	1.2716	8.6952	.07978	.03425	.44019	.17138	.26393
#2	1.2755	8.8732	.07359	-.00239	.49565	.16353	.26560

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8027	.00364	.01680	.13038	.04823	-.00735	-.00063
SDev	.0876	.00042	.00181	.00012	.00000	.00115	.00021
%RSD	2.3026	11.669	10.783	.09462	.00337	15.586	24.880
#1	3.7408	.00334	.01809	.13029	.04824	-.00816	-.00098
#2	3.8646	.00394	.01552	.13046	.04823	-.00654	-.00068

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00067	-.01035	.86325	-.02874	6.7830
SDev	.00045	.00099	.00207	.00194	.0322
%RSD	67.040	9.6078	.23994	6.7535	.47534
#1	.00035	-.00965	.86178	-.03011	6.7602
#2	.00098	-.01106	.86471	-.02737	6.8058

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Method: 6010B Sample Name: S2236-04 Operator: DR
Run Time: 04/22/04 15:25:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04390	-.00672	.14780	-.00017	.00635	76.445	.46281
SDev	.00161	.00049	.00278	.00228	.00033	.119	.00021
%RSD	3.6724	7.2841	1.8818	1366.7	5.1573	.15581	.04489
#1	.04504	-.00638	.14976	.00144	.00612	76.361	.46266
#2	.04276	-.00707	.14583	-.00178	.00659	76.529	.46296

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00408	.00249	8.9315	.09220	.03041	.05897	103.30
SDev	.00001	.00004	.0130	.00006	.00051	.00130	.23
%RSD	.15048	1.5238	.14588	.06453	1.6651	2.1973	.22096
#1	.00407	.00252	8.9223	.09216	.03005	.05989	103.14
#2	.00408	.00246	8.9407	.09224	.03076	.05806	103.46

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79580	11.131	.07125	-.00114	1.2752	.11535	.45946
SDev	.00085	.020	.00085	.00018	.0229	.00084	.00170
%RSD	.10657	.18379	1.1911	15.515	1.7940	.72991	.37047
#1	.79520	11.117	.07185	-.00126	1.2591	.11475	.45825
#2	.79640	11.146	.07065	-.00101	1.2914	.11594	.46066

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1828	.00469	.00649	.19918	.12034	-.00086	-.00142
SDev	.0160	.00020	.00139	.00060	.00387	.00410	.00137
%RSD	.73412	4.2819	21.361	.30273	3.2148	474.65	96.383
#1	2.1714	.00483	.00551	.19961	.12308	.00204	-.00045
#2	2.1941	.00455	.00747	.19875	.11761	-.00377	-.00238

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00257	-.00336	.57976	-.01567	6.2348
SDev	.00019	.00118	.00068	.00036	.0117
%RSD	7.2386	35.119	.11665	2.3220	.18733
#1	-.00270	-.00253	.57929	-.01542	6.2265
#2	-.00244	-.00420	.58024	-.01593	6.2430

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Method: 6010B Sample Name: ~~S2236-05~~ 222222 DW 4/22/04 Operator: DR
Run Time: 04/22/04 15:27:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09424	-.00978	.21055	.00098	.01029	78.087	.24258
SDev	.00326	.00568	.00043	.00208	.00144	.038	.00021
%RSD	3.4555	58.134	.20535	212.83	13.999	.04892	.08827
#1	.09654	-.01380	.21025	-.00049	.01131	78.060	.24273
#2	.09194	-.00576	.21086	.00245	.00927	78.114	.24243

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00437	.00464	6.6909	.28300	.07470	.12567	188.70
SDev	.00002	.00006	.0097	.00046	.00074	.00111	.41
%RSD	.39461	1.2101	.14516	.16159	.99360	.88381	.21624
#1	.00436	.00460	6.6840	.28332	.07523	.12646	188.41
#2	.00438	.00468	6.6977	.28268	.07418	.12489	188.99

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8063	18.386	.11634	-.00010	.68284	.23570	.56213
SDev	.0024	.012	.00032	.00461	.14925	.00058	.00026
%RSD	.13301	.06276	.27245	4407.7	21.857	.24578	.04587
#1	1.8046	18.378	.11657	.00316	.57731	.23611	.56195
#2	1.8080	18.394	.11612	-.00337	.78838	.23529	.56231

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1664	.00347	.02073	.27107	.17854	-.00454	.00213
SDev	.0143	.00088	.00609	.00002	.00066	.00149	.00238
%RSD	.27693	25.314	29.360	.00701	.36837	32.878	111.50
#1	5.1766	.00285	.02504	.27108	.17808	-.00559	.00045
#2	5.1563	.00410	.01643	.27106	.17901	-.00348	.00381

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00279	-.00882	1.2748	-.04557	4.3460
SDev	.00229	.00118	.0024	.00103	.0041
%RSD	81.907	13.401	.18570	2.2629	.09463
#1	-.00441	-.00965	1.2731	-.04630	4.3431
#2	-.00118	-.00798	1.2764	-.04484	4.3489

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Method: 6010B Sample Name: ~~S2236-05~~ 222222 OK 4/22/04 Operator: DR
Run Time: 04/22/04 15:29:42 OK 4/22/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04461	-.00020	.10382	-.00140	.00882	81.095	.20854
SDev	.00021	.00509	.00065	.00213	.00088	.015	.00032
%RSD	.47656	2574.6	.62785	151.63	9.9777	.01897	.15123
#1	.04446	.00340	.10428	.00010	.00820	81.106	.20877
#2	.04476	-.00379	.10336	-.00291	.00945	81.084	.20832

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00738	.00496	5.9665	.46321	.13545	.12797	235.66
SDev	.00005	.00021	.0111	.00058	.00142	.00108	.03
%RSD	.72534	4.2822	.18661	.12446	1.0462	.84719	.01306
#1	.00742	.00511	5.9744	.46362	.13645	.12874	235.63
#2	.00735	.00481	5.9587	.46280	.13445	.12721	235.68

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2701	10.756	.10203	-.00491	.68477	.29628	.51140
SDev	.0024	.020	.00011	.00141	.25656	.00107	.00044
%RSD	.10582	.18288	.11158	28.701	37.467	.36129	.08587
#1	2.2718	10.770	.10211	-.00392	.86619	.29704	.51171
#2	2.2684	10.742	.10195	-.00591	.50335	.29552	.51109

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0362	.00603	.01122	.18476	.06152	-.00309	-.00216
SDev	.0217	.00199	.00134	.00351	.00259	.00523	.00058
%RSD	.53883	32.947	11.893	1.9024	4.2112	169.45	26.674
#1	4.0516	.00462	.01216	.18227	.06335	.00061	-.00175
#2	4.0208	.00743	.01028	.18724	.05969	-.00678	-.00257

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00659	-.01655	1.3275	-.05343	3.9691
SDev	.00100	.00081	.0017	.00034	.0219
%RSD	15.232	4.8829	.12579	.64329	.55122
#1	-.00588	-.01598	1.3286	-.05367	3.9846
#2	-.00730	-.01712	1.3263	-.05319	3.9536

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Method: 6010B Sample Name: ~~S2236-07~~ 222222 on 4/22/04 Operator: DR
Run Time: 04/22/04 15:31:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03466	-.00421	.09360	-.00439	.00642	49.366	.15374
SDev	.00155	.00162	.00049	.00055	.00102	.001	.00010
%RSD	4.4724	38.501	.51776	12.622	15.800	.00227	.06685
#1	.03357	-.00535	.09394	-.00400	.00570	49.367	.15381
#2	.03576	-.00306	.09326	-.00479	.00714	49.365	.15366

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00307	.00233	5.9567	.11008	.04350	.08814	124.30
SDev	.00002	.00028	.0047	.00066	.00027	.00053	.22
%RSD	.56279	12.108	.07954	.59626	.62063	.60412	.18079
#1	.00308	.00253	5.9600	.11055	.04370	.08851	124.46
#2	.00305	.00213	5.9533	.10962	.04331	.08776	124.14

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.88804	11.253	.06670	-.00522	.40937	.13018	.27110
SDev	.00026	.020	.00038	.00168	.01634	.00059	.00110
%RSD	.02915	.17713	.57775	32.242	3.9919	.44906	.40500
#1	.88822	11.268	.06643	-.00641	.39782	.12977	.27188
#2	.88786	11.239	.06697	-.00403	.42093	.13060	.27033

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9387	.00347	.00913	.13890	.06928	-.00610	-.00514
SDev	.0532	.00224	.00143	.00200	.00013	.00117	.00141
%RSD	1.3513	64.425	15.674	1.4391	.18767	19.147	27.498
#1	3.9763	.00189	.01014	.14032	.06919	-.00692	-.00414
#2	3.9010	.00505	.00812	.13749	.06938	-.00527	-.00614

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00286	-.00380	.73439	-.02558	4.6147
SDev	.00134	.00006	.00076	.00148	.0051
%RSD	46.843	1.6347	.10361	5.7697	.11050
#1	-.00191	-.00385	.73493	-.02454	4.6183
#2	-.00381	-.00376	.73385	-.02662	4.6111

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Method: 6010B Sample Name: S2236-08 Operator: DR
Run Time: 04/22/04 15:33:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10200	-.00539	.46806	.00189	.06466	57.748	.48828
SDev	.00302	.00156	.00357	.00044	.00060	.220	.00251
%RSD	2.9651	28.975	.76366	23.419	.92662	.38137	.51488
#1	.09986	-.00429	.46553	.00220	.06424	57.593	.48650
#2	.10413	-.00650	.47058	.00158	.06509	57.904	.49005

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00407	.00863	46.033	.23829	.09420	.29329	118.87
SDev	.00000	.00031	.212	.00097	.00024	.00040	.66
%RSD	.03060	3.5417	.46059	.40899	.25084	.13486	.55519
#1	.00407	.00885	45.883	.23760	.09436	.29301	118.41
#2	.00407	.00841	46.183	.23898	.09403	.29357	119.34

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2282	24.731	.09779	-.00281	3.2496	.19110	1.1567
SDev	.0129	.102	.00050	.00016	.2658	.00057	.0087
%RSD	.57710	.41148	.51279	5.6333	8.1800	.29651	.74902
#1	2.2191	24.659	.09744	-.00293	3.4376	.19150	1.1505
#2	2.2373	24.803	.09815	-.00270	3.0617	.19070	1.1628

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.5209	.06380	.06319	.51291	.44386	.00236	.00006
SDev	.0401	.00261	.00343	.00632	.00220	.00243	.00187
%RSD	.61434	4.0923	5.4285	1.2327	.49615	103.02	3384.8
#1	6.5492	.06195	.06562	.50844	.44230	.00064	.00138
#2	6.4925	.06565	.06076	.51738	.44542	.00407	-.00127

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00217	.01053	1.5386	-.05532	5.7571
SDev	.00127	.00093	.0088	.00216	.0184
%RSD	58.414	8.8577	.57282	3.9108	.32003
#1	.00306	.01119	1.5324	-.05685	5.7440
#2	.00127	.00987	1.5449	-.05379	5.7701

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Method: 6010B Sample Name: S2236-09 Operator: DR
Run Time: 04/22/04 15:35:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08489	-.00101	.10843	-.00207	.00834	64.213	.40021
SDev	.00085	.00915	.00197	.00019	.00296	.176	.00110
%RSD	1.0041	901.85	1.8133	9.2036	35.443	.27358	.27589
#1	.08550	-.00748	.10982	-.00194	.00625	64.337	.40099
#2	.08429	.00545	.10704	-.00221	.01044	64.089	.39943

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00383	.00388	60.008	.14637	.06287	.11266	158.50
SDev	.00000	.00016	.054	.00048	.00047	.00022	.14
%RSD	.02706	4.1078	.09001	.32602	.75142	.19290	.08656
#1	.00383	.00400	60.046	.14671	.06253	.11282	158.40
#2	.00383	.00377	59.970	.14603	.06320	.11251	158.60

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3582	19.980	.10951	-.00427	.24028	.16804	.40958
SDev	.0004	.002	.00019	.00034	.03868	.00047	.00026
%RSD	.03294	.00919	.17171	7.8766	16.096	.28042	.06342
#1	1.3585	19.979	.10964	-.00403	.21293	.16837	.40977
#2	1.3579	19.981	.10937	-.00451	.26763	.16771	.40940

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5886	.00557	.01070	.16815	.07681	.00072	-.00507
SDev	.0212	.00534	.00181	.00071	.00330	.00221	.00139
%RSD	.46147	95.856	16.904	.42488	4.3018	306.03	27.443
#1	4.6035	.00179	.01198	.16765	.07915	-.00084	-.00409
#2	4.5736	.00934	.00942	.16866	.07448	.00229	-.00605

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00150	-.01304	1.1235	-.04385	5.5651
SDev	.00058	.00031	.0021	.00188	.0217
%RSD	38.332	2.3848	.18625	4.2879	.39019
#1	-.00191	-.01326	1.1249	-.04252	5.5805
#2	-.00110	-.01282	1.1220	-.04518	5.5498

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Method: 6010B Sample Name: S2236-10 Operator: DR
Run Time: 04/22/04 15:37:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04318	-.00306	.08554	-.00334	.00263	60.712	.21153
SDev	.00100	.00650	.00035	.00079	.00073	.363	.00146
%RSD	2.3099	212.71	.40977	23.672	27.655	.59723	.69182
#1	.04248	-.00766	.08579	-.00278	.00212	60.968	.21257
#2	.04389	.00154	.08529	-.00390	.00315	60.455	.21050

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00313	.00244	17.371	.11337	.05774	.09148	122.53
SDev	.00001	.00000	.082	.00054	.00017	.00103	.69
%RSD	.20312	.16643	.47187	.47348	.29174	1.1227	.56563
#1	.00313	.00245	17.429	.11375	.05786	.09221	123.02
#2	.00312	.00244	17.313	.11299	.05762	.09075	122.04

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2167	21.441	.10251	-.00305	3.8151	.12549	.31526
SDev	.0065	.109	.00124	.00042	.0022	.00074	.00133
%RSD	.53228	.50887	1.2115	13.701	.05711	.59162	.42266
#1	1.2213	21.518	.10339	-.00334	3.8166	.12602	.31621
#2	1.2122	21.364	.10163	-.00275	3.8135	.12497	.31432

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7589	.00228	.00014	.13464	.05943	-.00869	-.00227
SDev	.0355	.00018	.00183	.00019	.00043	.00237	.00000
%RSD	.74560	7.8427	1277.1	.14263	.72298	27.261	.08989
#1	4.7840	.00215	-.00115	.13478	.05973	-.00701	-.00226
#2	4.7338	.00240	.00144	.13451	.05912	-.01036	-.00227

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00091	-.00459	.92482	-.03392	5.5369
SDev	.00123	.00218	.00452	.00150	.0304
%RSD	134.55	47.361	.48907	4.4114	.54963
#1	-.00004	-.00306	.92802	-.03286	5.5584
#2	-.00178	-.00613	.92163	-.03497	5.5153

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Method: 6010B Sample Name: CCV Operator: DR
Run Time: 04/22/04 15:39:43
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1526	5.1819	5.3326	5.2228	5.0817	10.186	9.6502
SDev	.0095	.0302	.0204	.0082	.0161	.018	.0217
%RSD	.18454	.58296	.38297	.15720	.31716	.17736	.22528
#1	5.1594	5.2032	5.3470	5.2286	5.0931	10.199	9.6656
#2	5.1459	5.1605	5.3181	5.2170	5.0703	10.173	9.6348

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25543	2.6444	26.011	1.0269	2.5838	1.2231	5.2207
SDev	.00068	.0046	.062	.0022	.0074	.0014	.0129
%RSD	.26713	.17295	.23772	.21873	.28725	.11725	.24765
#1	.25591	2.6476	26.054	1.0285	2.5891	1.2241	5.2299
#2	.25495	2.6411	25.967	1.0253	2.5786	1.2220	5.2116

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5599	25.852	2.6156	1.2473	24.228	2.5159	2.5774
SDev	.0062	.048	.0042	.0023	.160	.0057	.0037
%RSD	.24379	.18667	.16095	.18419	.65875	.22714	.14472
#1	2.5643	25.886	2.6186	1.2490	24.115	2.5199	2.5801
#2	2.5555	25.818	2.6127	1.2457	24.341	2.5118	2.5748

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.710	5.0798	5.0822	5.2988	5.3476	5.2174	5.2239
SDev	.072	.0116	.0252	.0026	.0293	.0020	.0113
%RSD	.28951	.22785	.49620	.04929	.54817	.03849	.21643
#1	24.659	5.0880	5.1000	5.3007	5.3683	5.2188	5.2319
#2	24.760	5.0717	5.0644	5.2970	5.3269	5.2160	5.2159

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.1078	5.0720	5.0315	5.2602	5.0248
SDev	.0165	.0154	.0111	.0119	.0199
%RSD	.32264	.30277	.21970	.22600	.39613
#1	5.1194	5.0611	5.0394	5.2686	5.0389
#2	5.0961	5.0828	5.0237	5.2518	5.0108

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Method: 6010B Sample Name: CCB Operator: DR
Run Time: 04/22/04 15:41:49
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00415	-.00262	.00135	.00051	.00749	-.04761	-.00008
SDev	.00131	.00376	.00054	.00324	.00024	.00000	.00010
%RSD	31.551	143.31	40.067	633.67	3.2665	.00231	123.93
#1	.00508	.00003	.00097	.00280	.00732	-.04761	-.00001
#2	.00323	-.00528	.00173	-.00178	.00766	-.04761	-.00016

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00032	.01177	-.00027	.00000	-.00345	.05203
SDev	.00002	.00019	.00355	.00008	.00068	.00040	.01419
%RSD	156.87	58.416	30.199	29.816	98477.	11.601	27.273
#1	.00003	.00046	.01428	-.00021	-.00048	-.00317	.06206
#2	-.00000	.00019	.00925	-.00032	.00048	-.00374	.04199

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00120	.01271	-.00006	-.00000	-.40719	.00027	-.00409
SDev	.00031	.00420	.00014	.00035	.06972	.00024	.00080
%RSD	25.438	33.023	253.13	76721.	17.123	88.203	19.660
#1	.00142	.01568	-.00016	-.00025	-.45650	.00044	-.00352
#2	.00099	.00974	.00005	.00025	-.35789	.00010	-.00466

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.27925	.00786	.00355	.00202	-.00098	.00695	-.00440
SDev	.02175	.00246	.00566	.00177	.00007	.00016	.00480
%RSD	7.7876	31.265	159.37	87.623	7.5013	2.2860	109.98
#1	-.26387	.00960	-.00045	.00077	-.00093	.00684	-.00101
#2	-.29463	.00612	.00755	.00328	-.00104	.00706	-.00779

Elem	Mo2020	B_2496	Ti3349	Sn1899	Si2881
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00092	.01514	.00097	.00669	-.00041
SDev	.00050	.01032	.00019	.00020	.01003
%RSD	54.840	68.147	19.570	3.0237	2423.2
#1	.00127	.02244	.00111	.00683	-.00751
#2	.00056	.00785	.00084	.00654	.00668

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