Wells G&H
J.6
553625

REMEDIAL ACTION COMPLETION REPORT
DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL

SDMS DocID 553625

APPENDIX V
CLP DATA Packages

VOLUME 2
Sample Delivery Group 18, Soil

Wildwood Property
Wells G & H Superfund Site
Woburn, MA

Prepared For:

BEATRICE COMPANY

Prepared By:

REMEDIATION TECHNOLOGIES, INC.
9 Pond Lane
Concord, MA 01742

RETEC Project No.: 3-0947-730

MARCH 1995

D: RAW DATA

9/6/94 CLP
Retec E0831-02
Al, Ca, Cu, Fe, Mg, Mn, K, Na
(disregard Ba)

Folder: CLP-1D
09:16:51 06 Sep 1994 Protocol: CLP-1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 519 09:16:51 06 Sep 1994
XAp = 125 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1298861

*** Peak Seq: 520 09:24:04 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1307335

*** Peak Seq: 521 09:28:01 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1321976

*** Peak Seq: 522 09:32:58 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1332981

*** Peak Seq: 523 09:37:29 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1319804

*** Peak Seq: 524 09:48:11 06 Sep 1994
XAp = 126 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1331358

*** Peak Seq: 525 09:51:52 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1310763

*** Peak Seq: 526 10:16:10 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1505712

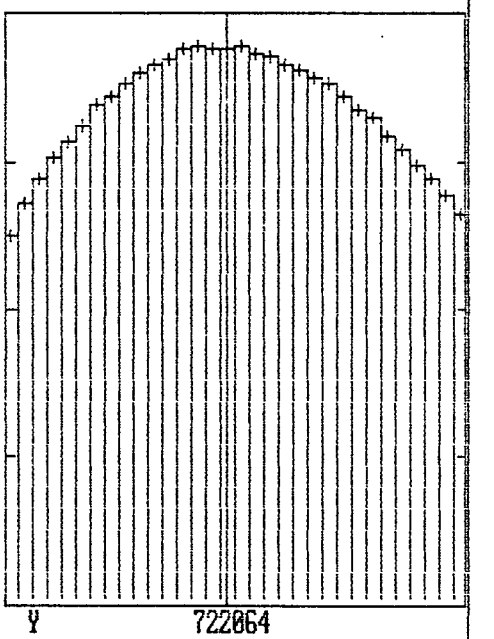
*** Peak Seq: 527 10:22:02 06 Sep 1994
XAp = 125 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1512916

Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:23:25 06 Sep 1994
Folder: CLP-1D Seq: 528 Print: On
User: Batch: 9/1/94 Id: Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse

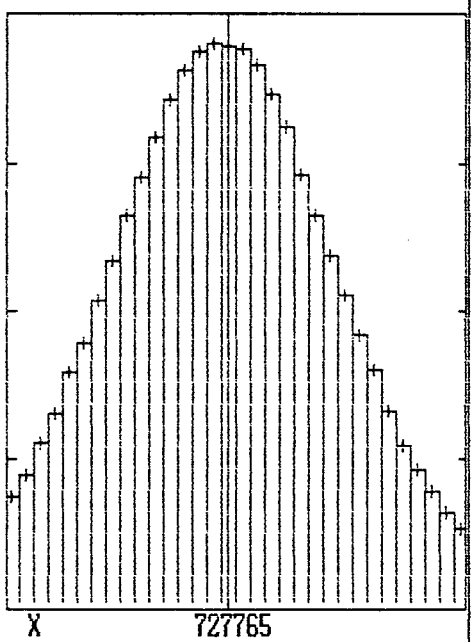


Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:29:00 06 Sep 1994
Folder: CLP-1D Seq: 528 Print: On
User: Batch: 9/1/94 Id: Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 528 10:33:09 06 Sep 1994

XAp = 124 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1238211

*** Standard: 1 Rep: 1 Seq: 531 10:38:22 06 Sep 1994 ICP

Al3	.0000	PPM		7326	8349	7728	
			Ave. Int. =	7801	S. D. =		515
Ba1	.0000	PPM		-860	-231	942	
			Ave. Int. =	-50	S. D. =		915
Ca3	.0000	PPM		2040	534	1511	
			Ave. Int. =	1362	S. D. =		764
Cu1	.0000	PPM		1921	580	1314	
			Ave. Int. =	1272	S. D. =		672
Fe2	.0000	PPM		1409	989	664	
			Ave. Int. =	1021	S. D. =		374
Mg3	.0000	PPM		584	-68	1032	
			Ave. Int. =	516	S. D. =		553
Mn1	.0000	PPM		1589	1538	2171	
			Ave. Int. =	1766	S. D. =		352
K 1	.0000	PPM		1604	1854	1752	
			Ave. Int. =	1737	S. D. =		126
Na2	.0000	PPM		-372	766	330	
			Ave. Int. =	241	S. D. =		574

*** Standard: 1 Rep: 2 Seq: 532 10:40:40 06 Sep 1994 ICP

Al3	.0000	PPM		6548	7586	7867	
			Ave. Int. =	7334	S. D. =		695
Ba1	.0000	PPM		-2895	-537	-223	
			Ave. Int. =	-1218	S. D. =		1460
Ca3	.0000	PPM		706	846	198	
			Ave. Int. =	583	S. D. =		341
Cu1	.0000	PPM		1411	-538	1888	
			Ave. Int. =	920	S. D. =		1285
Fe2	.0000	PPM		1292	938	378	
			Ave. Int. =	869	S. D. =		461
Mg3	.0000	PPM		703	1193	2066	
			Ave. Int. =	1321	S. D. =		690
Mn1	.0000	PPM		1946	1623	1904	
			Ave. Int. =	1824	S. D. =		176
K 1	.0000	PPM		1891	1818	1826	
			Ave. Int. =	1845	S. D. =		40
Na2	.0000	PPM		125	-52	554	
			Ave. Int. =	209	S. D. =		312

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Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 3              Seq:  533     10:42:57 06 Sep 1994 ICP

Al3   .0000   PPM           5876      6748      6665
                      Ave. Int. =     6430 S. D. =      481
Ba1   .0000   PPM          -1824     -1902      1401
                      Ave. Int. =     -775 S. D. =     1885
Ca3   .0000   PPM           -602       772       566
                      Ave. Int. =      245 S. D. =      741
Cu1   .0000   PPM           2391      1808       224
                      Ave. Int. =     1474 S. D. =     1121
Fe2   .0000   PPM           1330       626      1001
                      Ave. Int. =      986 S. D. =      352
Mg3   .0000   PPM           1059      1051      1277
                      Ave. Int. =     1129 S. D. =      128
Mn1   .0000   PPM           2100      1688      1686
                      Ave. Int. =     1825 S. D. =      238
K 1   .0000   PPM           1962      1642      1734
                      Ave. Int. =     1779 S. D. =      165
Na2   .0000   PPM            446       644       192
                      Ave. Int. =      427 S. D. =      227

*** Peak                            Seq:  534     10:44:12 06 Sep 1994

XAp = 124  YAp = 104   XPMT = 166  YPMT = 680  Intensity =   1484073

*** Standard: 2 Rep: 1              Seq:  535     10:46:31 06 Sep 1994 ICP

Al3   20.00   PPM        1054194   1050543   1050707
                      Ave. Int. =  1051815 S. D. =     2062
Ba1   20.00   PPM       65328295  64277585  64300097
                      Ave. Int. = 64635326 S. D. =   600235
Ca3   500.0   PPM      125525536 125829766 125294151
                      Ave. Int. =125549818 S. D. =   268632
Cu1   2.500   PPM        1246332   1249622   1221076
                      Ave. Int. =  1239010 S. D. =    15618
Fe2   10.00   PPM        2397322   2424771   2445169
                      Ave. Int. =  2422421 S. D. =    24010
Mg3   500.0   PPM      388664406 392418557 390976869
                      Ave. Int. =390686611 S. D. =  1893832
Mn1   3.000   PPM        4822612   4792189   4824429
                      Ave. Int. =  4813077 S. D. =    18112
K 1   500.0   PPM         753481    749142    751117
                      Ave. Int. =   751247 S. D. =     2172
Na2   500.0   PPM       13225813  13333524  13276451
                      Ave. Int. = 13278596 S. D. =    53888
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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 2 Rep: 2 Seq: 536 10:48:49 06 Sep 1994 ICP

Al3	20.00	PPM		1065646	1060563	1061465		
			Ave. Int. =	1062558	S. D. =	2712		
Ba1	20.00	PPM		64756217	63220072	64449272		
			Ave. Int. =	64141854	S. D. =	812905		
Ca3	500.0	PPM		127651205	128153581	126954901		
			Ave. Int. =	127586562	S. D. =	601949		
Cu1	2.500	PPM		1234081	1208661	1203294		
			Ave. Int. =	1215345	S. D. =	16446		
Fe2	10.00	PPM		2407890	2434850	2446860		
			Ave. Int. =	2429867	S. D. =	19957		
Mg3	500.0	PPM		385493699	382919521	391133949		
			Ave. Int. =	386515723	S. D. =	4201501		
Mn1	3.000	PPM		4856274	4846441	4926014		
			Ave. Int. =	4876243	S. D. =	43382		
K 1	500.0	PPM		759466	758418	768692		
			Ave. Int. =	762192	S. D. =	5654		
Na2	500.0	PPM		13233043	13234851	13459457		
			Ave. Int. =	13309117	S. D. =	130201		

*** Standard: 2 Rep: 3 Seq: 537 10:51:07 06 Sep 1994 ICP

Al3	20.00	PPM		1058024	1059417	1075752		
			Ave. Int. =	1064398	S. D. =	9858		
Ba1	20.00	PPM		64911705	64487858	64240867		
			Ave. Int. =	64546810	S. D. =	339282		
Ca3	500.0	PPM		126286868	125961797	126861678		
			Ave. Int. =	126370114	S. D. =	455680		
Cu1	2.500	PPM		1209096	1224846	1242753		
			Ave. Int. =	1225565	S. D. =	16840		
Fe2	10.00	PPM		2424230	2427992	2423866		
			Ave. Int. =	2425363	S. D. =	2284		
Mg3	500.0	PPM		387029731	385284508	383310869		
			Ave. Int. =	385208369	S. D. =	1860600		
Mn1	3.000	PPM		4871802	4770283	4766589		
			Ave. Int. =	4802891	S. D. =	59707		
K 1	500.0	PPM		764826	758094	760834		
			Ave. Int. =	761251	S. D. =	3385		
Na2	500.0	PPM		13443746	13562569	13430179		
			Ave. Int. =	13478831	S. D. =	72836		

*** Peak Seq: 538 10:59:37 06 Sep 1994

XAp = 124 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1465242

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2 ICV Seq: 539 11:01:56 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Al3		98.05	19.62	20.01	PPM	.1027
~~Ba1~~		95.77	19.16	20.01	PPM	.2980
Ca3		97.91	489.5	500.0	PPM	1.669
Cu1		91.79	2.297	2.503	PPM	.0130
Fe2		98.55	9.874	10.02	PPM	.0643
Mg3		95.09	475.5	500.0	PPM	4.160
Mn1		94.83	2.845	3.000	PPM	.0184
K 1		96.97	484.9	500.0	PPM	3.994
Na2		98.88	494.5	500.1	PPM	4.456

*** Sample ID: ICB 9/6/94 Seq: 541 11:12:14 06 Sep 1994 ICP

Al3	-.0142	PPM	.0070	-.0150	-.0207	-.0067
~~Ba1~~	.0004	PPM	.0002	.0003	.0003	.0007
Ca3	-.0046	PPM	.0051	-.0001	-.0102	-.0036
Cu1	.0088	PPM	.0023	.0089	.0064	.0111
Fe2	.0005	PPM	.0016	-.0011	.0022	.0003
Mg3	.0161	PPM	.0001	.0161	.0160	.0163
Mn1	.0002	PPM	.0003	.0005	.0003	-.0002
K 1	-.4318	PPM	.3433	-.2062	-.2624	-.8269
Na2	.4141	PPM	.0076	.4055	.4171	.4196

*** Peak Seq: 542 11:31:53 06 Sep 1994

XAp = 122 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1453836

*** Check Standard: 3 Ck3 CCV Seq: 543 11:34:11 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Al3		103.4	10.34	10.00	PPM	.1146
~~Ba1~~		95.89	9.589	10.00	PPM	.1115
Ca3		103.6	259.0	250.0	PPM	2.416
Cu1		103.8	1.298	1.250	PPM	.0087
Fe2		99.30	4.965	5.000	PPM	.0313
Mg3		99.02	247.6	250.0	PPM	1.626
Mn1		102.9	1.543	1.500	PPM	.0014
K 1		99.82	249.6	250.0	PPM	1.867
Na2		101.7	254.1	250.0	PPM	3.856

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB			9/6/94	Seq: 545		11:41:41 06 Sep 1994 ICP		
Al3	-.0049	PPM	.0186	.0165	-.0170	-.0143		
~~Ba1~~	.0007	PPM	.0001	.0008	.0006	.0006		
Ca3	-.0057	PPM	.0018	-.0061	-.0038	-.0073		
Cu1	.0023	PPM	.0004	.0019	.0024	.0028		
Fe2	-.0017	PPM	.0008	-.0021	-.0008	-.0022		
Mg3	.0107	PPM	.0010	.0098	.0104	.0118		
Mn1	-.0001	PPM	.0002	-.0004	.0000	.0000		
K 1	-.3468	PPM	.0269	-.3444	-.3212	-.3748		
Na2	.4115	PPM	.0193	.3915	.4300	.4129		
*** Peak				Seq: 546		11:44:08 06 Sep 1994		
XAp = 122 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1486610								
*** Sample ID: ICS A			9/6/94	Seq: 547		11:46:27 06 Sep 1994 ICP		
Al3	508.5	PPM	2.222	506.6	510.9	507.9		
~~Ba1~~	.0216	PPM	.0003	.0218	.0213	.0217		
Ca3	514.5	PPM	1.252	514.6	515.6	513.2		
Cu1	.0101	PPM	.0017	.0098	.0086	.0120		
Fe2	182.0	PPM	1.418	181.0	181.3	183.6		
Mg3	499.6	PPM	.9707	498.5	500.4	499.8		
Mn1	.0170	PPM	.0003	.0173	.0169	.0167		
K 1	-.4750	PPM	.2635	-.4336	-.2347	-.7568		
Na2	.7848	PPM	.0130	.7992	.7738	.7815		
*** Sample ID: ICS AB			9/6/94	Seq: 548		11:52:21 06 Sep 1994 ICP		
Al3	509.1	PPM	3.981	512.8	504.9	509.6		
~~Ba1~~	.4886	PPM	.0073	.4963	.4819	.4875		
Ca3	517.1	PPM	2.962	513.7	518.1	519.4		
Cu1	.5164	PPM	.0038	.5155	.5131	.5207		
Fe2	183.5	PPM	1.150	184.9	182.8	182.9		
Mg3	499.3	PPM	6.000	502.8	502.8	492.4		
Mn1	.5143	PPM	.0012	.5130	.5152	.5147		
K 1	-.3657	PPM	.0848	-.4574	-.3497	-.2902		
Na2	.8340	PPM	.0121	.8317	.8231	.8471		
*** Peak				Seq: 549		12:02:03 06 Sep 1994		
XAp = 121 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1489575								
*** Sample ID: CRDL X2			9/6/94	Seq: 550		12:02:41 06 Sep 1994 ICP		
Cu1	.0568	PPM	.0010	.0579	.0566	.0559		
Mn1	.0343	PPM	.0003	.0347	.0343	.0341		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: PRPBLKSOIL 9/6/94				Seq: 551		12:10:55 06 Sep 1994 ICP		
Al3	.0213	PPM	.0065	.0138	.0245	.0255		
~~Ba1~~	.0004	PPM	.0003	.0006	.0001	.0005		
Ca3	.0404	PPM	.0027	.0382	.0396	.0435		
Cu1	.0009	PPM	.0010	.0015	.0014	-.0003		
Fe2	.0232	PPM	.0013	.0229	.0222	.0246		
Mg3	.0143	PPM	.0007	.0151	.0139	.0140		
Mn1	.0002	PPM	.0001	.0003	.0002	.0002		
K 1	-.3858	PPM	.1435	-.5493	-.2809	-.3272		
Na2	.5349	PPM	.0247	.5204	.5635	.5210		
*** Peak				Seq: 552		12:15:11 06 Sep 1994		
XAp = 121 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1483015								
*** Sample ID: LCS			9/6/94	Seq: 553		12:17:30 06 Sep 1994 ICP		
Al3	18.83	PPM	.1868	18.96	18.91	18.61		
~~Ba1~~	16.55	PPM	.1489	16.73	16.47	16.47		
Ca3	492.3	PPM	2.516	494.3	493.1	489.5		
Cu1	2.217	PPM	.0103	2.208	2.215	2.228		
Fe2	8.891	PPM	.0294	8.921	8.862	8.888		
Mg3	451.2	PPM	5.545	453.3	455.3	444.9		
Mn1	2.730	PPM	.0155	2.742	2.713	2.737		
K 1	460.3	PPM	3.857	464.8	457.9	458.3		
Na2	467.3	PPM	1.518	466.8	466.0	469.0		
*** Sample ID: SL-04			9/6/94	Seq: 554		12:24:27 06 Sep 1994 ICP		
Al3	22.69	PPM	.1155	22.81	22.58	22.68		
~~Ba1~~	.0892	PPM	.0006	.0893	.0898	.0885		
Ca3	3.486	PPM	.0079	3.477	3.488	3.493		
Cu1	.0520	PPM	.0019	.0508	.0542	.0511		
Fe2	40.10	PPM	.0450	40.05	40.13	40.12		
Mg3	5.629	PPM	.0608	5.694	5.619	5.574		
Mn1	.2909	PPM	.0015	.2921	.2892	.2913		
K 1	1.099	PPM	.1428	1.118	.9479	1.231		
Na2	.6959	PPM	.0297	.7295	.6731	.6852		
*** Peak				Seq: 555		12:27:35 06 Sep 1994		
XAp = 120 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1476316								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: SL-6/7		9/6/94		Seq: 556		12:29:54 06 Sep 1994 ICP		
Al3	20.13	PPM	.0415	20.16	20.08	20.15		
~~Ba1~~	.0455	PPM	.0008	.0465	.0454	.0448		
Ca3	2.515	PPM	.0084	2.507	2.524	2.513		
Cu1	.0300	PPM	.0012	.0304	.0309	.0286		
Fe2	19.46	PPM	.0527	19.41	19.45	19.52		
Mg3	4.326	PPM	.0548	4.342	4.371	4.265		
Mn1	.2262	PPM	.0020	.2274	.2273	.2238		
K 1	.7066	PPM	.2336	.5691	.5744	.9763		
Na2	.6121	PPM	.0049	.6128	.6069	.6167		
*** Sample ID: SL-08		9/6/94		Seq: 557		12:37:38 06 Sep 1994 ICP		
Al3	30.71	PPM	.1269	30.81	30.75	30.56		
~~Ba1~~	.0928	PPM	.0002	.0927	.0927	.0931		
Ca3	2.582	PPM	.0270	2.551	2.602	2.592		
Cu1	.0806	PPM	.0028	.0831	.0812	.0776		
Fe2	29.19	PPM	.2655	29.18	28.94	29.47		
Mg3	2.253	PPM	.0028	2.256	2.250	2.253		
Mn1	.2300	PPM	.0015	.2295	.2317	.2288		
K 1	.1912	PPM	.3323	-.0185	.5744	.0179		
Na2	.6123	PPM	.0078	.6136	.6039	.6194		
*** Peak				Seq: 558		12:44:31 06 Sep 1994		

XAp = 120 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1503913

*** Sample ID: SL-08 5X		9/6/94		Seq: 559		12:46:50 06 Sep 1994 ICP		
Al3	6.446	PPM	.0112	6.454	6.451	6.433		
~~Ba1~~	.0192	PPM	.0005	.0196	.0192	.0186		
Ca3	.5475	PPM	.0011	.5468	.5488	.5470		
Cu1	.0172	PPM	.0026	.0146	.0171	.0198		
Fe2	6.198	PPM	.0702	6.259	6.122	6.215		
Mg3	.4818	PPM	.0032	.4782	.4842	.4832		
Mn1	.0485	PPM	.0006	.0487	.0478	.0489		
K 1	-.3153	PPM	.1160	-.3060	-.4356	-.2043		
Na2	.3724	PPM	.0285	.3679	.4028	.3464		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3 CCV Seq: 560 12:57:14 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Al3		101.5	10.15	10.00	PPM	.0381
~~Ba1~~	L	89.70	8.970	10.00	PPM	.1607
Ca3		107.9	269.7	250.0	PPM	.0785
Cu1		102.5	1.281	1.250	PPM	.0070
Fe2		95.27	4.764	5.000	PPM	.0495
Mg3		97.42	243.5	250.0	PPM	.9438
Mn1		99.54	1.493	1.500	PPM	.0042
K 1		96.48	241.2	250.0	PPM	2.729
Na2		99.42	248.5	250.0	PPM	2.617

*** Peak Seq: 561 13:01:21 06 Sep 1994

XAp = 119 YAp = 102 XPMT = 166 YPMT = 680 Intensity = 1506368

*** Sample ID: CCB 9/6/94 Seq: 562 13:03:40 06 Sep 1994 ICP

Al3	.0092	PPM	.0104	.0202	-.0006	.0079
~~Ba1~~	.0000	PPM	.0003	-.0003	.0002	.0002
Ca3	-.0018	PPM	.0017	-.0005	-.0037	-.0011
Cu1	-.0012	PPM	.0020	.0005	-.0035	-.0005
Fe2	-.0001	PPM	.0018	.0008	.0011	-.0022
Mg3	.0074	PPM	.0002	.0073	.0073	.0076
Mn1	-.0001	PPM	.0002	.0001	-.0000	-.0003
K 1	-1.021	PPM	.1207	-.9287	-1.157	-.9763
Na2	.2524	PPM	.0112	.2542	.2405	.2627

*** Sample ID: SL-08 MS 9/6/94 Seq: 563 13:09:01 06 Sep 1994 ICP

Al3	39.70	PPM	.1058	39.73	39.79	39.58
~~Ba1~~	2.772	PPM	.0178	2.791	2.770	2.756
Ca3	3.724	PPM	.0260	3.711	3.753	3.706
Cu1	.4663	PPM	.0011	.4670	.4651	.4669
Fe2	30.47	PPM	.1989	30.24	30.57	30.59
Mg3	2.772	PPM	.0136	2.787	2.759	2.770
Mn1	1.082	PPM	.0068	1.077	1.080	1.090
K 1	.9011	PPM	.1908	.9075	.7073	1.089
Na2	.6414	PPM	.0041	.6422	.6369	.6451

*** Peak Seq: 564 13:14:27 06 Sep 1994

XAp = 119 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1492653

Folder: CLP-1D

13:16:46 06 Sep 1994 Protocol: CLP-1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SL-08 MSD 9/6/94 Seq: 565 13:16:46 06 Sep 1994 ICP

Al3	36.08	PPM	.1280	36.22	35.97	36.05
~~Ba1~~	.1062	PPM	.0001	.1061	.1063	.1061
Ca3	1.784	PPM	.0123	1.777	1.777	1.798
Cu1	.0652	PPM	.0021	.0636	.0644	.0676
Fe2	30.38	PPM	.1754	30.19	30.54	30.40
Mg3	2.407	PPM	.0196	2.421	2.384	2.415
Mn1	.2283	PPM	.0035	.2244	.2312	.2295
K 1	.2512	PPM	.3287	.5321	-.1104	.3318
Na2	.5109	PPM	.0074	.5160	.5142	.5024

*** Sample ID: PRPBLK H2O 9/6/94 Seq: 566 13:23:49 06 Sep 1994 ICP

Al3	.0042	PPM	.0189	.0058	-.0154	.0223
~~Ba1~~	-.0000	PPM	.0000	.0000	-.0000	-.0000
Ca3	.0423	PPM	.0013	.0415	.0415	.0438
Cu1	-.0009	PPM	.0007	-.0008	-.0003	-.0017
Fe2	.0058	PPM	.0013	.0059	.0071	.0044
Mg3	.0075	PPM	.0004	.0072	.0073	.0079
Mn1	-.0002	PPM	.0003	.0000	-.0005	.0000
K 1	-.4830	PPM	.0833	-.4045	-.5704	-.4739
Na2	.3084	PPM	.0123	.3215	.3064	.2972

*** Peak Seq: 567 13:26:48 06 Sep 1994

XAp = 119 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1485859

*** Sample ID: FIELD BLK 9/6/94 Seq: 568 13:29:07 06 Sep 1994 ICP

Al3	.0188	PPM	.0210	.0093	.0043	.0429
~~Ba1~~	.0008	PPM	.0003	.0011	.0005	.0009
Ca3	.1375	PPM	.0012	.1368	.1368	.1389
Cu1	.0016	PPM	.0024	.0044	.0001	.0003
Fe2	.0153	PPM	.0014	.0138	.0165	.0155
Mg3	.0097	PPM	.0003	.0098	.0098	.0094
Mn1	.0005	PPM	.0003	.0008	.0004	.0002
K 1	-.5607	PPM	.2443	-.3246	-.5453	-.8124
Na2	.6972	PPM	.0178	.6840	.6900	.7174

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICS A 9/6/94 Seq: 569 13:33:59 06 Sep 1994 ICP

Al3	499.5	PPM	6.993	492.5	506.5	499.5
~~Ba1~~	.0220	PPM	.0014	.0236	.0213	.0210
Ca3	546.0	PPM	3.796	549.5	542.0	546.3
Cu1	.0108	PPM	.0023	.0133	.0104	.0087
Fe2	178.7	PPM	1.026	177.9	178.4	179.9
Mg3	489.1	PPM	3.340	486.4	492.8	488.0
Mn1	.0166	PPM	.0004	.0167	.0169	.0161
K 1	-.5030	PPM	.1097	-.5572	-.3768	-.5751
Na2	.7003	PPM	.0228	.7266	.6853	.6890

*** Sample ID: ICS AB 9/6/94 Seq: 570 13:39:10 06 Sep 1994 ICP

Al3	499.3	PPM	3.082	497.0	502.8	498.2
~~Ba1~~	.4671	PPM	.0027	.4698	.4644	.4670
Ca3	549.0	PPM	2.011	547.1	548.7	551.1
Cu1	.4985	PPM	.0073	.4914	.4982	.5059
Fe2	181.1	PPM	.4485	181.0	181.5	180.7
Mg3	493.1	PPM	1.442	493.6	491.5	494.3
Mn1	.5044	PPM	.0027	.5013	.5066	.5051
K 1	-.5433	PPM	.0562	-.6081	-.5136	-.5083
Na2	.5892	PPM	.0371	.5922	.6247	.5507

*** Peak Seq: 571 13:42:30 06 Sep 1994

XAp = 118 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1486611

*** Sample ID: CRDL X2 9/6/94 Seq: 572 13:43:09 06 Sep 1994 ICP

Cu1	.0534	PPM	.0016	.0553	.0528	.0522
Mn1	.0339	PPM	.0002	.0337	.0340	.0339

*** Check Standard: 3 Ck3 CCV Seq: 573 13:48:56 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Al3		100.6	10.06	10.00	PPM	.0126
~~Ba1~~	L	87.44	8.744	10.00	PPM	.2939
Ca3	H	110.1	275.3	250.0	PPM	1.038
Cu1		102.2	1.277	1.250	PPM	.0129
Fe2		94.91	4.745	5.000	PPM	.0460
Mg3		98.13	245.3	250.0	PPM	.5912
Mn1		100.8	1.512	1.500	PPM	.0111
K 1		95.76	239.4	250.0	PPM	.2971
Na2		98.20	245.5	250.0	PPM	1.472

*** Peak Seq: 574 13:53:00 06 Sep 1994

XAp = 118 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1495063

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13:55:19 06 Sep 1994 Protocol: CLP-1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB 9/6/94 Seq: 575 13:55:19 06 Sep 1994 ICP

Al3	.0096	PPM	.0025	.0067	.0113	.0107		
~~Ba1~~	-.0002	PPM	.0001	-.0001	-.0002	-.0003		
Ca3	.0031	PPM	.0018	.0015	.0029	.0050		
Cu1	-.0002	PPM	.0017	.0013	-.0020	.0000		
Fe2	.0035	PPM	.0017	.0026	.0026	.0055		
Mg3	.0110	PPM	.0010	.0117	.0099	.0114		
Mn1	-.0003	PPM	.0003	-.0002	-.0000	-.0006		
K 1	-.7850	PPM	.1910	-.6273	-.7304	-.9974		
Na2	.1221	PPM	.0076	.1292	.1232	.1140		

9/7/94 CLP Retec E0831-02

Sb

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 2              Seq:  5       18:20:53 07 Sep 1994 ICP

Sb1   .0000                -3865     -2155     -5943
                     Ave. Int. =    -3988 S. D. =     1897

*** Standard: 1 Rep: 3              Seq:  6       18:21:27 07 Sep 1994 ICP

Sb1   .0000                -2301     -3561     -3211
                     Ave. Int. =    -3024 S. D. =      650

*** Peak                            Seq:  7       18:22:05 07 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1555341

*** Standard: 2 Rep: 1              Seq:  8       18:22:46 07 Sep 1994 ICP

Sb1   10.00               494885    497083    515868
                     Ave. Int. =   502612 S. D. =    11533

*** Standard: 2 Rep: 2              Seq:  9       18:23:20 07 Sep 1994 ICP

Sb1   10.00               520491    515231    520082
                     Ave. Int. =   518601 S. D. =     2926

*** Standard: 2 Rep: 3              Seq:  10      18:23:54 07 Sep 1994 ICP

Sb1   10.00               520389    519387    519749
                     Ave. Int. =   519842 S. D. =      507

*** Check Standard: 2  Ck2 ICV      Seq:  11      18:27:25 07 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Sb1         102.6    1.026   1.000              .0471

*** Sample ID: ICB        9/7/94     Seq:  12      18:29:43 07 Sep 1994 ICP

Sb1   .0370             .0286     .0046   .0478   .0586

*** Check Standard: 3  Ck3 CCV      Seq:  13      18:32:36 07 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Sb1         103.0    5.151   5.000              .0602

*** Peak                            Seq:  14      18:34:16 07 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1533653

*** Sample ID: CCB        9/7/94     Seq:  15      18:34:57 07 Sep 1994 ICP

Sb1   .0502             .0348     .0102   .0738   .0667
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICS A 9/7/94 Seq: 16 18:37:00 07 Sep 1994 ICP

Sb1	-.0223		.0262	.0057	-.0462	-.0264

*** Sample ID: ICS AB 9/7/94 Seq: 17 18:39:21 07 Sep 1994 ICP

Sb1	.0367		.0634	.0204	-.0170	.1067

*** Peak Seq: 18 18:49:52 07 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1531813

*** Sample ID: CRDL X2 9/7/94 Seq: 19 18:50:33 07 Sep 1994 ICP

Sb1	.1837		.0413	.1440	.1808	.2264

*** Sample ID: PRPBLKSOIL 9/7/94 Seq: 20 18:53:13 07 Sep 1994 ICP

Sb1	.0184		.0130	.0331	.0135	.0086

*** Sample ID: LCS 9/7/94 Seq: 21 18:56:32 07 Sep 1994 ICP

Sb1	1.006		.0128	1.018	.9925	1.007

*** Sample ID: SL-04 9/7/94 Seq: 22 19:00:46 07 Sep 1994 ICP

Sb1	-.0221		.0084	-.0214	-.0141	-.0308

*** Peak Seq: 23 19:03:43 07 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1545351

*** Sample ID: SL-6/7 9/7/94 Seq: 24 19:04:24 07 Sep 1994 ICP

Sb1	.0250		.0254	.0456	.0330	-.0034

*** Sample ID: SL-08 9/7/94 Seq: 25 19:07:58 07 Sep 1994 ICP

Sb1	-.0017		.0278	-.0315	.0234	.0032

*** Sample ID: SL-08 5X 9/7/94 Seq: 26 19:10:15 07 Sep 1994 ICP

Sb1	.0190		.0187	.0404	.0103	.0062

0147

*** Check Standard: 3 Ck3 CCV Seq: 27 19:12:42 07 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Sb1		106.2	5.309	5.000		.0252

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Peak                            Seq:  28      19:16:18 07 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1536385

*** Sample ID: CCB        9/7/94     Seq:  29      19:16:59 07 Sep 1994 ICP

Sb1   .0199             .0175     .0083   .0401   .0115

*** Sample ID: SL-08 MS   9/7/94     Seq:  30      19:19:18 07 Sep 1994 ICP

Sb1   .5867             .0443     .5408   .6291   .5904

*** Sample ID: SL-08 MSD  9/7/94     Seq:  31      19:23:31 07 Sep 1994 ICP

Sb1   .0109             .0484    -.0442   .0462   .0308

*** Sample ID: PRPBLK H2O 9/7/94     Seq:  32      19:26:22 07 Sep 1994 ICP

Sb1   .0330             .0265     .0037   .0401   .0552

*** Peak                            Seq:  33      19:29:36 07 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1546965

*** Sample ID: FIELD BLK  9/7/94     Seq:  34      19:30:17 07 Sep 1994 ICP

Sb1   .0121             .0390     .0560  -.0016  -.0183

*** Sample ID: ICS A      9/7/94     Seq:  35      19:33:13 07 Sep 1994 ICP

Sb1  -.0396             .0527    -.0570  -.0815   .0196

*** Sample ID: ICS AB     9/7/94     Seq:  36      19:36:09 07 Sep 1994 ICP

Sb1  -.0434             .0153    -.0315  -.0380  -.0606

*** Sample ID: CRDL X2    9/7/94     Seq:  37      19:39:00 07 Sep 1994 ICP

Sb1   .1221             .0330     .0946   .1588   .1129


*** Peak                            Seq:  38      19:41:10 07 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1552749

*** Check Standard: 3  Ck3 CCV      Seq:  39      19:41:51 07 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Sb1         103.8    5.190   5.000              .0694
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB 9/7/94 Seq: 40 19:45:05 07 Sep 1994 ICP

Sb1	.0060		.0108	.0039	-.0036	.0177		

```
*** Peak                                Seq:  620     17:02:58 06 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1546769

*** Standard: 1 Rep: 1                  Seq:  621     17:03:24 06 Sep 1994 ICP

Ba1   .0000   PPM            -895     -1860     -2359
                       Ave. Int. =    -1705 S. D. =      744

*** Standard: 1 Rep: 2                  Seq:  622     17:03:47 06 Sep 1994 ICP

Ba1   .0000   PPM             717        -8     -1140
                       Ave. Int. =     -144 S. D. =      936

*** Standard: 1 Rep: 3                  Seq:  623     17:04:10 06 Sep 1994 ICP

Ba1   .0000   PPM           -2495      -644       244
                       Ave. Int. =     -965 S. D. =     1397

*** Standard: 2 Rep: 1                  Seq:  624     17:05:14 06 Sep 1994 ICP

Ba1   20.00   PPM        56450151  56146770  55393198
                       Ave. Int. = 55996706 S. D. =   544221

*** Standard: 2 Rep: 2                  Seq:  625     17:05:37 06 Sep 1994 ICP

Ba1   20.00   PPM        57955139  56180913  55943087
                       Ave. Int. = 56693046 S. D. =  1099454

*** Standard: 2 Rep: 3                  Seq:  626     17:06:00 06 Sep 1994 ICP

Ba1   20.00   PPM        58305248  55752666  55472096
                       Ave. Int. = 56510003 S. D. =  1561044

*** Check Standard: 2  Ck2 ICV          Seq:  627     17:10:59 06 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Ba1         99.90    19.99   20.01  PPM        .2086
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Peak                            Seq:  628     17:15:41 06 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1536981

*** Sample ID: ICB        9/6/94     Seq:  629    17:16:07 06 Sep 1994 ICP

Bal   .0003   PPM       .0006    -.0000  -.0001   .0010

*** Check Standard: 3  Ck3 CCV      Seq:  630     17:18:07 06 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Bal         103.3    10.33   10.00  PPM        .1705

*** Sample ID: CCB        9/6/94     Seq:  631    17:20:38 06 Sep 1994 ICP

Bal   .0001   PPM       .0003    -.0003   .0003   .0002

*** Sample ID: ICS A      9/6/94     Seq:  632    17:23:20 06 Sep 1994 ICP

Bal   .0236   PPM       .0002     .0238   .0237   .0234

*** Sample ID: ICS AB     9/6/94     Seq:  633    17:25:32 06 Sep 1994 ICP

Bal   .5272   PPM       .0055     .5228   .5254   .5334

*** Peak                            Seq:  634     17:28:22 06 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1537453

*** Sample ID: PRPBLKSOIL 9/6/94     Seq:  635    17:28:48 06 Sep 1994 ICP

Bal   .0009   PPM       .0005     .0003   .0013   .0010

*** Sample ID: LCS        9/6/94     Seq:  636    17:32:10 06 Sep 1994 ICP

Bal   19.10   PPM       .3346     19.42   19.13   18.75

*** Sample ID: SL-04      9/6/94     Seq:  637    17:37:04 06 Sep 1994 ICP

Bal   .1022   PPM       .0034     .1059   .1016   .0991

*** Peak                            Seq:  638     17:40:03 06 Sep 1994

XAp = 116  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1549939

*** Sample ID: SL-6/7     9/6/94     Seq:  639    17:40:29 06 Sep 1994 ICP

Bal   .0550   PPM       .0011     .0562   .0549   .0540
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SL-08 9/6/94 Seq: 640 17:42:40 06 Sep 1994 ICP

Bal	.1109	PPM	.0009	.1119	.1104	.1104

*** Sample ID: SL-08 5X 9/6/94 Seq: 641 17:44:50 06 Sep 1994 ICP

Bal	.0255	PPM	.0010	.0267	.0249	.0250

*** Check Standard: 3 Ck3 CCV Seq: 642 17:47:30 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Bal		105.7	10.57	10.00	PPM	.1886

*** Sample ID: CCB 9/6/94 Seq: 643 17:49:42 06 Sep 1994 ICP

Bal	.0007	PPM	.0002	.0010	.0005	.0007

*** Peak Seq: 644 17:55:53 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1545265

*** Sample ID: SL-08 MS 9/6/94 Seq: 645 17:56:19 06 Sep 1994 ICP

Bal	3.444	PPM	.0548	3.507	3.411	3.414

*** Sample ID: SL-08 MSD 9/6/94 Seq: 646 17:58:52 06 Sep 1994 ICP

Bal	.1194	PPM	.0030	.1228	.1185	.1170

*** Sample ID: PRPBLK H2O 9/6/94 Seq: 647 18:01:59 06 Sep 1994 ICP

Bal	.0007	PPM	.0003	.0004	.0006	.0010

*** Sample ID: FIELD BLK 9/6/94 Seq: 648 18:04:32 06 Sep 1994 ICP

Bal	.0006	PPM	.0005	-.0000	.0007	.0010

*** Sample ID: ICS A 9/6/94 Seq: 649 18:06:33 06 Sep 1994 ICP

Bal	.0243	PPM	.0001	.0244	.0243	.0243

*** Peak Seq: 650 18:07:42 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1551938

*** Sample ID: ICS AB 9/6/94 Seq: 651 18:08:08 06 Sep 1994 ICP

Bal	.5553	PPM	.0147	.5723	.5468	.5468

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3 CCV Seq: 652 18:10:28 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ba1		106.2	10.62	10.00	PPM	.0591

*** Sample ID: CCB 9/6/94 Seq: 653 18:12:58 06 Sep 1994 ICP

Ba1	-.0002	PPM	.0004	.0004	-.0004	-.0004

*** Peak Seq: 576 14:05:42 06 Sep 1994

XAp = 118 YAp = 103 XPMT = 166 YPMT = 680 Intensity = 1503068

*** Standard: 1 Rep: 1 Seq: 577 14:07:59 06 Sep 1994 ICP

Ba1	.0000	PPM	-101	-2245	-377		
			Ave. Int. =	-908	S. D. =	1166	
Be1	.0000	PPM	-792	641	-232		
			Ave. Int. =	-128	S. D. =	722	
Cd3	.0000	PPM	-424	-654	-291		
			Ave. Int. =	-456	S. D. =	184	
Cr4	.0000	PPM	-706	-300	531		
			Ave. Int. =	-158	S. D. =	631	
Co1	.0000	PPM	-1048	-1000	-1122		
			Ave. Int. =	-1057	S. D. =	61	
Ni3	.0000	PPM	-2233	-2366	-1250		
			Ave. Int. =	-1950	S. D. =	610	
Ag1	.0000	PPM	-3178	-3080	-3396		
			Ave. Int. =	-3218	S. D. =	162	
V 3	.0000	PPM	456	-48	1126		
			Ave. Int. =	511	S. D. =	589	
Zn1	.0000	PPM	4943	6872	4509		
			Ave. Int. =	5441	S. D. =	1258	

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 2				Seq: 578	14:10:14 06 Sep 1994 ICP			
Ba1	.0000	PPM		776	-1190	268		
			Ave. Int. =	-49	S. D. =	1021		
Be1	.0000	PPM		-84	-760	-351		
			Ave. Int. =	-398	S. D. =	340		
Cd3	.0000	PPM		-666	80	-374		
			Ave. Int. =	-320	S. D. =	376		
Cr4	.0000	PPM		-438	-92	-644		
			Ave. Int. =	-391	S. D. =	279		
Co1	.0000	PPM		-706	-632	-655		
			Ave. Int. =	-664	S. D. =	38		
Ni3	.0000	PPM		-1672	-1850	-1425		
			Ave. Int. =	-1649	S. D. =	213		
Ag1	.0000	PPM		-4159	-3652	-2962		
			Ave. Int. =	-3591	S. D. =	601		
V 3	.0000	PPM		218	-212	774		
			Ave. Int. =	260	S. D. =	494		
Zn1	.0000	PPM		4312	5006	3568		
			Ave. Int. =	4295	S. D. =	719		
*** Standard: 1 Rep: 3				Seq: 579	14:12:29 06 Sep 1994 ICP			
Ba1	.0000	PPM		50	373	308		
			Ave. Int. =	244	S. D. =	171		
Be1	.0000	PPM		-476	-235	-492		
			Ave. Int. =	-401	S. D. =	144		
Cd3	.0000	PPM		-508	-548	-38		
			Ave. Int. =	-365	S. D. =	284		
Cr4	.0000	PPM		341	588	542		
			Ave. Int. =	490	S. D. =	131		
Co1	.0000	PPM		-1190	-1190	-926		
			Ave. Int. =	-1102	S. D. =	152		
Ni3	.0000	PPM		-1700	-1174	-2084		
			Ave. Int. =	-1653	S. D. =	457		
Ag1	.0000	PPM		-3100	-3834	-3981		
			Ave. Int. =	-3638	S. D. =	472		
V 3	.0000	PPM		351	227	632		
			Ave. Int. =	403	S. D. =	208		
Zn1	.0000	PPM		5860	4770	4950		
			Ave. Int. =	5193	S. D. =	584		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 2 Rep: 1 Seq: 580 14:16:21 06 Sep 1994 ICP

Ba1	20.00	PPM		53579216	52433082	52203715		
			Ave. Int. =	52738671	S. D. =	736912		
Be1	.5000	PPM		2713206	2688288	2720634		
			Ave. Int. =	2707376	S. D. =	16943		
Cd3	5.000	PPM		726490	719156	724096		
			Ave. Int. =	723247	S. D. =	3740		
Cr4	2.000	PPM		693664	699372	689404		
			Ave. Int. =	694147	S. D. =	5001		
Co1	5.000	PPM		369657	365961	365181		
			Ave. Int. =	366933	S. D. =	2391		
Ni3	8.000	PPM		500612	490190	501158		
			Ave. Int. =	497320	S. D. =	6181		
Ag1	2.000	PPM		316747	315959	316822		
			Ave. Int. =	316509	S. D. =	478		
V 3	5.000	PPM		2383806	2363998	2372986		
			Ave. Int. =	2373597	S. D. =	9918		
Zn1	4.000	PPM		2959892	3010881	2991139		
			Ave. Int. =	2987304	S. D. =	25710		

*** Standard: 2 Rep: 2 Seq: 581 14:18:36 06 Sep 1994 ICP

Ba1	20.00	PPM		53611644	53037389	52296261		
			Ave. Int. =	52981765	S. D. =	659453		
Be1	.5000	PPM		2738871	2738596	2729254		
			Ave. Int. =	2735574	S. D. =	5475		
Cd3	5.000	PPM		739568	731998	725856		
			Ave. Int. =	732474	S. D. =	6868		
Cr4	2.000	PPM		688774	687174	685437		
			Ave. Int. =	687128	S. D. =	1669		
Co1	5.000	PPM		371863	364397	369307		
			Ave. Int. =	368522	S. D. =	3794		
Ni3	8.000	PPM		498270	494030	498020		
			Ave. Int. =	496773	S. D. =	2379		
Ag1	2.000	PPM		314361	324661	312056		
			Ave. Int. =	317026	S. D. =	6712		
V 3	5.000	PPM		2330740	2347827	2379296		
			Ave. Int. =	2352621	S. D. =	24630		
Zn1	4.000	PPM		2960492	2935188	2909530		
			Ave. Int. =	2935070	S. D. =	25481		

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 2 Rep: 3 Seq: 582 14:20:51 06 Sep 1994 ICP

Ba1	20.00	PPM	52808729	52826156	52044931	
			Ave. Int. =	52559939	S. D. =	446095
Be1	.5000	PPM	2700925	2709742	2730550	
			Ave. Int. =	2713739	S. D. =	15212
Cd3	5.000	PPM	734222	721550	724050	
			Ave. Int. =	726607	S. D. =	6712
Cr4	2.000	PPM	690067	685068	685890	
			Ave. Int. =	687008	S. D. =	2681
Co1	5.000	PPM	364207	369420	363281	
			Ave. Int. =	365636	S. D. =	3310
Ni3	8.000	PPM	493710	498381	495086	
			Ave. Int. =	495726	S. D. =	2400
Ag1	2.000	PPM	312434	321463	312440	
			Ave. Int. =	315446	S. D. =	5211
V 3	5.000	PPM	2349779	2358414	2354783	
			Ave. Int. =	2354325	S. D. =	4336
Zn1	4.000	PPM	2925130	2952704	2927255	
			Ave. Int. =	2935030	S. D. =	15343

*** Peak Seq: 583 14:21:49 06 Sep 1994

XAp = 118 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1533917

*** Check Standard: 2 Ck2 ICV Seq: 585 14:31:42 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
~~Ba1~~		107.2	21.45	20.01	PPM	.1516
Be1		101.5	.5075	.5000	PPM	.0042
Cd3		98.37	4.928	5.010	PPM	.0249
Cr4		94.66	1.937	2.046	PPM	.0120
Co1		97.29	4.870	5.006	PPM	.0071
Ni3		97.04	7.763	8.000	PPM	.0187
~~Ag1~~	L	82.25	1.658	2.016	PPM	.0235
V 3		96.25	4.813	5.001	PPM	.0709
Zn1		93.38	3.734	3.998	PPM	.0203

0157

*** Peak Seq: 586 14:36:55 06 Sep 1994

XAp = 117 YAp = 104 XPMT = 166 YPMT = 608 Intensity = [illegible]

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICB 9/6/94 Seq: 587 14:38:58 06 Sep 1994 ICP

~~Bal~~	.0003	PPM	.0004	.0008	.0001	.0000
Be1	.0001	PPM	.0000	.0001	.0001	.0001
Cd3	-.0009	PPM	.0006	-.0004	-.0016	-.0007
Cr4	.0011	PPM	.0017	.0005	.0031	-.0003
Co1	-.0008	PPM	.0031	.0028	-.0028	-.0023
Ni3	-.0025	PPM	.0047	.0020	-.0073	-.0023
V 3	-.0008	PPM	.0010	-.0009	-.0017	.0002
Zn1	.0031	PPM	.0016	.0013	.0039	.0043

*** Check Standard: 3 Ck3 CCV Seq: 588 14:43:33 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
~~Bal~~	H	110.0	11.00	10.00	PPM	.1905
Be1		103.5	.2588	.2500	PPM	.0026
Cd3		102.5	2.563	2.500	PPM	.0285
Cr4		105.3	1.053	1.000	PPM	.0088
Co1		107.4	2.685	2.500	PPM	.0175
Ni3		105.0	4.198	4.000	PPM	.0073
V 3		105.7	2.643	2.500	PPM	.0079
Zn1		101.9	2.039	2.000	PPM	.0193

*** Peak Seq: 589 14:51:55 06 Sep 1994

XAp = 117 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1531961

*** Sample ID: CCB 9/6/94 Seq: 590 14:53:58 06 Sep 1994 ICP

~~Bal~~	.0004	PPM	.0007	-.0003	.0003	.0010
Be1	.0000	PPM	.0001	.0000	-.0000	.0001
Cd3	.0004	PPM	.0024	-.0009	-.0011	.0032
Cr4	-.0004	PPM	.0010	-.0015	.0000	.0004
Co1	.0024	PPM	.0028	.0044	.0036	-.0008
Ni3	-.0030	PPM	.0023	-.0013	-.0056	-.0021
V 3	-.0013	PPM	.0009	-.0012	-.0005	-.0022
Zn1	.0013	PPM	.0012	.0024	.0016	-.0001

*** Sample ID: ICS-A 9/6/94 Seq: 591 14:57:45 06 Sep 1994 ICP

~~Bal~~	.0258	PPM	.0002	.0258	.0255	.0260
Be1	[illegible]	PPM	[illegible]	[illegible]	[illegible]	[illegible]

Cd3	.0148	PPM	.0024	.0122	.0151	.0170
Cr4	.0125	PPM	.0009	.0131	.0115	.0130
Co1	.0151	PPM	.0050	.0173	.0093	.0186
Ni3	.0011	PPM	.0033	-.0027	.0030	.0031
V 3	-.0009	PPM	.0016	-.0017	.0010	-.0020
Zn1	.0561	PPM	.0006	.0559	.0556	.0569

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 592 15:03:18 06 Sep 1994

XAp = 117 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1532939

*** Sample ID: ICS-AB 9/6/94 Seq: 593 15:05:21 06 Sep 1994 ICP

~~Bal~~	.5889	PPM	.0136	.6039	.5854	.5773
Be1	.5200	PPM	.0027	.5230	.5178	.5191
Cd3	1.036	PPM	.0011	1.035	1.037	1.036
Cr4	.5180	PPM	.0033	.5143	.5193	.5205
Co1	.5247	PPM	.0015	.5251	.5259	.5230
Ni3	1.001	PPM	.0164	.9826	1.014	1.007
V 3	.5075	PPM	.0062	.5145	.5050	.5029
Zn1	1.050	PPM	.0050	1.056	1.047	1.048

*** Sample ID: CRDLX2 9/6/94 Seq: 594 15:13:54 06 Sep 1994 ICP

~~Bal~~	.0009	PPM	.0002	.0007	.0008	.0011
Be1	.0109	PPM	.0001	.0110	.0108	.0109
Cd3	.0128	PPM	.0009	.0129	.0137	.0119
Cr4	.0212	PPM	.0008	.0210	.0205	.0221
Co1	.1137	PPM	.0034	.1124	.1110	.1176
Ni3	.0893	PPM	.0030	.0860	.0899	.0919
V 3	.1098	PPM	.0014	.1106	.1081	.1106
Zn1	.0440	PPM	.0009	.0446	.0443	.0430

*** Peak Seq: 595 15:18:46 06 Sep 1994

XAp = 117 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1529509

*** Sample ID: PRPBLKSOIL 9/6/94 Seq: 596 15:20:49 06 Sep 1994 ICP

~~Bal~~	.0009	PPM	.0004	.0008	.0014	.0006
Be1	.0001	PPM	.0000	.0001	.0001	.0001
Cd3	-.0001	PPM	.0017	.0012	-.0020	.0004
Cr4	-.0001	PPM	.0021	.0012	-.0026	.0012
Co1	-.0022	PPM	.0039	.0007	-.0007	-.0067
Ni3	-.0024	PPM	.0021	-.0049	-.0011	-.0013
V 3	-.0015	PPM	.0012	-.0006	-.0029	-.0011
Zn1	.0009	PPM	.0018	.0025	-.0010	.0011

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: LCS			9/6/94	Seq: 597		15:25:12 06 Sep 1994 ICP		
~~Ba1~~	20.84	PPM	.1753	21.00	20.86	20.65		
Be1	.4851	PPM	.0078	.4935	.4835	.4782		
Cd3	4.694	PPM	.0189	4.691	4.714	4.676		
Cr4	1.862	PPM	.0173	1.868	1.876	1.843		
Co1	4.628	PPM	.0534	4.674	4.642	4.569		
Ni3	7.488	PPM	.0782	7.418	7.473	7.572		
V 3	4.645	PPM	.0128	4.656	4.631	4.647		
Zn1	3.520	PPM	.0706	3.440	3.575	3.544		
*** Peak				Seq: 598		15:32:37 06 Sep 1994		
XAp = 117 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1539553								
*** Sample ID: SL-04			9/6/94	Seq: 599		15:34:40 06 Sep 1994 ICP		
~~Ba1~~	.1094	PPM	.0011	.1100	.1081	.1100		
Be1	.0009	PPM	.0000	.0009	.0009	.0009		
Cd3	.0040	PPM	.0013	.0036	.0054	.0030		
Cr4	.0759	PPM	.0022	.0757	.0738	.0782		
Co1	.0148	PPM	.0031	.0176	.0156	.0114		
Ni3	.0447	PPM	.0042	.0420	.0495	.0427		
V 3	.0425	PPM	.0008	.0424	.0417	.0434		
Zn1	.1584	PPM	.0008	.1593	.1580	.1579		
*** Sample ID: SL-6/7			9/6/94	Seq: 600		15:44:07 06 Sep 1994 ICP		
~~Ba1~~	.0566	PPM	.0013	.0580	.0562	.0555		
Be1	.0008	PPM	.0001	.0009	.0007	.0007		
Cd3	.0025	PPM	.0009	.0032	.0015	.0027		
Cr4	.0465	PPM	.0005	.0470	.0462	.0461		
Co1	.0082	PPM	.0012	.0068	.0093	.0084		
Ni3	.0298	PPM	.0057	.0293	.0243	.0358		
V 3	.0339	PPM	.0020	.0326	.0362	.0330		
Zn1	.1020	PPM	.0012	.1007	.1028	.1026		
*** Peak				Seq: 601		15:48:01 06 Sep 1994		
XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1527879								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: SL-08		9/6/94		Seq: 602		15:50:05 06 Sep 1994 ICP		
~~Bal~~	.1153	PPM	.0016	.1171	.1143	.1144		
Be1	.0011	PPM	.0001	.0010	.0012	.0011		
Cd3	.0019	PPM	.0002	.0022	.0017	.0019		
Cr4	.0612	PPM	.0015	.0627	.0613	.0597		
Co1	.0063	PPM	.0031	.0092	.0068	.0030		
Ni3	.0095	PPM	.0013	.0095	.0082	.0108		
V 3	.0979	PPM	.0014	.0975	.0968	.0995		
Zn1	.1774	PPM	.0024	.1752	.1770	.1800		
*** Sample ID: SL-08 5X		9/6/94		Seq: 603		15:54:46 06 Sep 1994 ICP		
~~Bal~~	.0232	PPM	.0007	.0236	.0237	.0224		
Be1	.0003	PPM	.0000	.0003	.0004	.0003		
Cd3	.0011	PPM	.0014	-.0005	.0019	.0019		
Cr4	.0153	PPM	.0004	.0151	.0157	.0150		
Co1	-.0020	PPM	.0054	.0039	-.0066	-.0033		
Ni3	.0012	PPM	.0047	-.0003	.0065	-.0027		
V 3	.0202	PPM	.0022	.0224	.0203	.0179		
Zn1	.0402	PPM	.0016	.0387	.0419	.0400		

*** Check Standard: 3 Ck3 CCV Seq: 604 16:00:20 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
~~Bal~~	H	111.4	11.14	10.00	PPM	.2135
Be1		101.2	.2531	.2500	PPM	.0004
Cd3		100.9	2.522	2.500	PPM	.0199
Cr4		105.3	1.053	1.000	PPM	.0085
Co1		105.8	2.645	2.500	PPM	.0168
Ni3		103.5	4.139	4.000	PPM	.0271
V 3		106.7	2.669	2.500	PPM	.0207
Zn1		100.3	2.006	2.000	PPM	.0402

*** Peak Seq: 605 16:03:55 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1491155

*** Sample ID: CCB 9/6/94 Seq: 606 16:05:44 06 Sep 1994 ICP

Be1 .0002 PPM .0001 .0002 .0002 .0001

Cd3	-.0003	PPM	.0010	-.0009	.0008	-.0008
Cr4	.0008	PPM	.0002	.0010	.0005	.0008
Co1	.0033	PPM	.0036	.0049	-.0008	.0057
Ni3	-.0083	PPM	.0056	-.0093	-.0022	-.0134
V 3	-.0002	PPM	.0015	-.0010	.0015	-.0011
Zn1	.0030	PPM	.0022	.0044	.0005	.0042

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: SL-08 MS 9/6/94 Seq: 607 16:11:07 06 Sep 1994 ICP

Be1	.0856	PPM	.0003	.0856	.0858	.0853
Cd3	.0870	PPM	.0029	.0901	.0844	.0866
Cr4	.4305	PPM	.0012	.4319	.4304	.4294
Co1	.8716	PPM	.0022	.8736	.8719	.8693
Ni3	.8877	PPM	.0037	.8841	.8915	.8875
V 3	.9815	PPM	.0132	.9923	.9853	.9668
Zn1	.9745	PPM	.0183	.9534	.9860	.9842

*** Peak Seq: 608 16:17:06 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1523289

*** Sample ID: SL-08 MSD 9/6/94 Seq: 609 16:18:56 06 Sep 1994 ICP

Be1	.0012	PPM	.0001	.0011	.0013	.0012
Cd3	.0019	PPM	.0013	.0025	.0028	.0004
Cr4	.0628	PPM	.0010	.0617	.0635	.0632
Co1	.0067	PPM	.0015	.0079	.0073	.0050
Ni3	.0200	PPM	.0049	.0147	.0244	.0208
V 3	.1007	PPM	.0013	.0992	.1016	.1013
Zn1	.1484	PPM	.0034	.1486	.1517	.1448

*** Sample ID: PRPBLK H2O 9/6/94 Seq: 610 16:24:55 06 Sep 1994 ICP

Be1	.0001	PPM	.0000	.0001	.0002	.0001
Cd3	-.0013	PPM	.0032	-.0036	-.0027	.0023
Cr4	.0004	PPM	.0010	-.0007	.0009	.0010
Co1	.0004	PPM	.0031	.0039	-.0016	-.0011
Ni3	-.0082	PPM	.0041	-.0075	-.0126	-.0045
V 3	-.0014	PPM	.0018	-.0027	.0006	-.0021
Zn1	.0042	PPM	.0007	.0051	.0037	.0040

*** Peak Seq: 611 16:28:06 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1522584

*** Sample ID: FIELD BLK 9/6/94 Seq: 612 16:29:56 06 Sep 1994 ICP

Be1	.0001	PPM	.0000	.0001	.0001	.0001
Cd3	.0006	PPM	.0014	.0022	-.0006	.0003
Cr4	.0006	PPM	.0015	-.0008	.0004	.0022
Co1	-.0007	PPM	.0013	-.0016	.0007	-.0013
Ni3	-.0047	PPM	.0019	-.0059	-.0058	-.0025
V 3	-.0002	PPM	.0012	-.0000	-.0015	.0009
Zn1	.0063	PPM	.0005	.0058	.0063	.0069

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICS A 9/6/94 Seq: 613 16:33:22 06 Sep 1994 ICP

Be1	.0002	PPM	.0001	.0002	.0002	.0004
Cd3	.0121	PPM	.0022	.0108	.0108	.0146
Cr4	.0116	PPM	.0025	.0093	.0142	.0113
Co1	.0120	PPM	.0050	.0164	.0130	.0066
Ni3	-.0084	PPM	.0056	-.0055	-.0149	-.0048
V 3	-.0010	PPM	.0018	-.0023	-.0017	.0011
Zn1	.0608	PPM	.0019	.0616	.0622	.0587

*** Sample ID: ICS AB 9/6/94 Seq: 614 16:37:47 06 Sep 1994 ICP

Be1	.5157	PPM	.0021	.5159	.5135	.5177
Cd3	1.035	PPM	.0099	1.046	1.029	1.029
Cr4	.5221	PPM	.0036	.5219	.5187	.5258
Co1	.5243	PPM	.0048	.5214	.5216	.5298
Ni3	1.010	PPM	.0170	.9931	1.027	1.011
V 3	.5161	PPM	.0010	.5161	.5172	.5152
Zn1	1.067	PPM	.0031	1.070	1.066	1.064

*** Peak Seq: 615 16:40:11 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1538509

*** Sample ID: CRDL X2 9/6/94 Seq: 616 16:42:01 06 Sep 1994 ICP

Be1	.0108	PPM	.0001	.0109	.0107	.0107
Cd3	.0114	PPM	.0025	.0094	.0142	.0106
Cr4	.0240	PPM	.0030	.0259	.0206	.0256
Co1	.1170	PPM	.0071	.1192	.1090	.1226
Ni3	.0848	PPM	.0042	.0851	.0889	.0805
V 3	.1119	PPM	.0007	.1110	.1123	.1123
Zn1	.0466	PPM	.0014	.0479	.0469	.0451

*** Check Standard: 3 Ck3 CCV Seq: 617 16:46:38 06 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Be1		103.5	.2587	.2500	PPM	.0023
Cd3		102.7	2.568	2.500	PPM	.0078
Cr4		105.9	1.059	1.000	PPM	.0052
Co1		107.7	2.694	2.500	PPM	.0019
Ni3		105.4	4.217	4.000	PPM	.0197
V 3		107.5	2.689	2.500	PPM	.0013
Zn1		103.1	2.062	2.000	PPM	.0123

*** Peak Seq: 618 16:51:22 06 Sep 1994

XAp = 116 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1533969

Folder: CLP-1D Page 21
16:53:12 06 Sep 1994 Protocol: CLP-1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB 9/6/94 Seq: 619 16:53:12 06 Sep 1994 ICP

Be1	.0001	PPM	.0001	.0000	.0002	.0002		
Cd3	-.0016	PPM	.0017	-.0004	-.0035	-.0008		
Cr4	.0013	PPM	.0009	.0013	.0005	.0023		
Co1	.0038	PPM	.0022	.0060	.0016	.0037		
Ni3	-.0100	PPM	.0112	-.0227	-.0062	-.0012		
V 3	-.0005	PPM	.0007	.0002	-.0012	-.0006		
Zn1	.0024	PPM	.0004	.0019	.0027	.0026		

9/1/94 CLP Pb E0831-02 RETEC

Folder: MES-1S
09:43:49 01 Sep 1994 Protocol: MES-1 Page 1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 616 09:43:49 01 Sep 1994

XAp = 123 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1289468

*** Peak Seq: 618 09:53:54 01 Sep 1994

XAp = 124 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1528727

*** Peak Seq: 619 10:13:57 01 Sep 1994

XAp = 124 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1487484

*** Peak Seq: 451 10:26:03 01 Sep 1994

XAp = 124 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1489582

*** Peak Seq: 452 10:32:11 01 Sep 1994

XAp = 124 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1501386

*** Peak Seq: 453 10:45:51 01 Sep 1994

XAp = 123 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1510341

*** Peak Seq: 454 10:54:50 01 Sep 1994

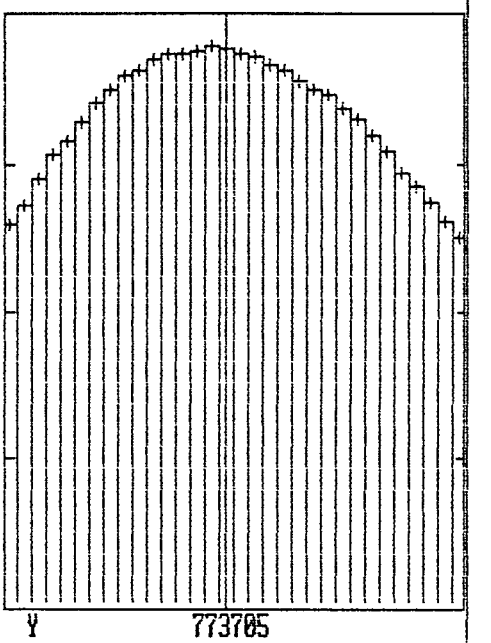
XAp = 123 YAp = 106 XPMT = 166 YPMT = 680 Intensity = 1482819

Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:56:12 01 Sep 1994
Folder: CLP-1D Seq: 455 Print: On
User: Batch: 8/26/94 Id: BLK Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse

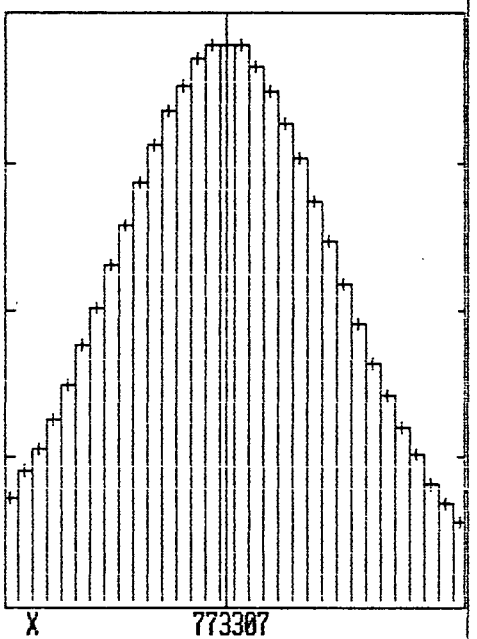


Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:57:22 01 Sep 1994
Folder: CLP-1D Seq: 455 Print: On
User: Batch: 8/26/94 Id: BLK Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse



Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 459 11:06:32 01 Sep 1994

XAp = 123 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1490959

*** Standard: 1 Rep: 1 Seq: 461 11:15:05 01 Sep 1994 ICP

Pb1	.0000	PPM	-4268	-2622	570	
			Ave. Int. =	-2107	S. D. =	2460

*** Standard: 1 Rep: 2 Seq: 462 11:15:40 01 Sep 1994 ICP

Pb1	.0000	PPM	-2274	418	-5982	
			Ave. Int. =	-2613	S. D. =	3213

*** Standard: 1 Rep: 3 Seq: 463 11:16:15 01 Sep 1994 ICP

Pb1	.0000	PPM	-5039	-4252	-1252	
			Ave. Int. =	-3514	S. D. =	1998

*** Peak Seq: 464 11:26:08 01 Sep 1994

XAp = 122 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1490972

*** Standard: 2 Rep: 1 Seq: 465 11:26:49 01 Sep 1994 ICP

Pb1	5.000	PPM	656470	658208	652768	
			Ave. Int. =	655815	S. D. =	2778

*** Standard: 2 Rep: 2 Seq: 466 11:27:24 01 Sep 1994 ICP

Pb1	5.000	PPM	648952	644506	647738	
			Ave. Int. =	647065	S. D. =	2298

*** Standard: 2 Rep: 3 Seq: 467 11:27:59 01 Sep 1994 ICP

Pb1	5.000	PPM	655899	655842	650008	
			Ave. Int. =	653916	S. D. =	3385

Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 11:28:34 01 Sep 1994
Folder: CLP-1D Seq: 468 Print: On
User: Batch: 9/1/94 Id: Std2Rep3 Cup:
State: Idle Xmit: Off Autosampler: Off

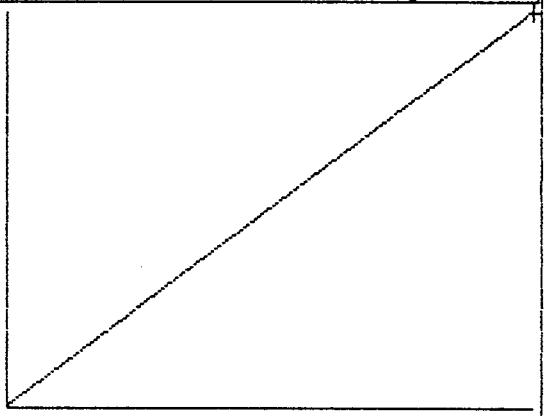
CALIBRATION: Line Calibration

Line: Pb1 Accepted

	Conc.	Calc.	Dev.	
S1	.0000	.0000	.0000	LiNear
S2	5.000	5.000	-.0000	Quadratic
S3				WtdLinear
S4				
S5				
S6				

Accept Every StdAdd

Conc



A	.0000000	r	1.00000
B	7.63347e-6	C	2.09513e-2

	Mean	%RSD	Intensity		
S1	-2744	-25.97	-2107	-2613	-3514
S2	652265	0.71	655815	647065	653916
S3					
S4					
S5					
S6					

PgUp PgDn

New cal coefficients stored

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 ICV Seq: 468 11:31:57 01 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Pb1		100.0	5.000	5.000	PPM	.0237

*** Sample ID: ICB 9/1/94 Seq: 469 11:35:50 01 Sep 1994 ICP

Pb1 -.0094 PPM .0131 .0027 -.0076 -.0234

*** Peak Seq: 470 11:38:04 01 Sep 1994

XAp = 122 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1516006

*** Check Standard: 3 Ck3 CCV Seq: 471 11:38:44 01 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Pb1		105.9	2.648	2.500	PPM	.0315

*** Sample ID: CCB 9/1/94 Seq: 472 11:41:37 01 Sep 1994 ICP

Pb1 -.0097 PPM .0180 .0106 -.0238 -.0157

*** Sample ID: ICS A 9/1/94 Seq: 473 11:44:33 01 Sep 1994 ICP

Pb1 -.0908 PPM .0652 -.0301 -.1598 -.0825

*** Sample ID: ICS AB 9/1/94 Seq: 474 11:47:19 01 Sep 1994 ICP

Pb1 .9307 PPM .0026 .9329 .9278 .9314

*** Peak Seq: 475 11:50:07 01 Sep 1994

XAp = 122 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1503997

CRI

*** Sample ID: IDL X2 9/1/94 Seq: 476 11:50:48 01 Sep 1994 ICP

Pb1 .0755 PPM .0041 .0789 .0709 .0767

*** Sample ID: LCS 9/1/94 Seq: 477 11:54:13 01 Sep 1994 ICP

Pb1 4.685 PPM .0373 4.689 4.645 4.720

*** Sample ID: PRPBLK H2O 9/1/94 Seq: 478 11:57:28 01 Sep 1994 ICP

Pb1 .0123 PPM .0173 .0002 .0322 .0046

*** Sample ID: FIELD BLK 9/1/94 Seq: 479 12:00:46 01 Sep 1994 ICP

Pb1 .0129 PPM .0147 .0172 -.0035 .0250

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 480 12:02:59 01 Sep 1994

XAp = 121 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1535237

*** Sample ID: PRPBLKSOIL 9/1/94 Seq: 481 12:03:39 01 Sep 1994 ICP

PBS

Pb1	-.0156	PPM	.0257	.0134	-.0357	-.0244

*** Sample ID: SL-01 9/1/94 Seq: 482 12:06:48 01 Sep 1994 ICP

Pb1	.1055	PPM	.0089	.0960	.1136	.1068

*** Sample ID: SL-03 9/1/94 Seq: 483 12:09:54 01 Sep 1994 ICP

Pb1	.7615	PPM	.0226	.7354	.7741	.7750

*** Check Standard: 3 Ck3 CCV Seq: 484 12:13:30 01 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Pb1		102.1	2.552	2.500	PPM	.0299

*** Peak Seq: 485 12:15:06 01 Sep 1994

XAp = 121 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1538843

*** Sample ID: CCB 9/1/94 Seq: 486 12:15:47 01 Sep 1994 ICP

Pb1	-.0044	PPM	.0170	.0019	-.0237	.0086

*** Sample ID: SL-04 9/1/94 Seq: 487 12:19:54 01 Sep 1994 ICP

Pb1	.4660	PPM	.0102	.4777	.4595	.4607

*** Peak Seq: 488 12:27:13 01 Sep 1994

XAp = 120 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1522207

*** Sample ID: SL-05 9/1/94 Seq: 489 12:27:53 01 Sep 1994 ICP

Pb1	.0886	PPM	.0231	.0824	.1142	.0693

Pb1 .0282 PPM .0095 .0201 .0387 .0258

*** Sample ID: SL-08 9/1/94 Seq: 491 12:38:04 01 Sep 1994 ICP

Pb1 .2756 PPM .0074 .2773 .2676 .2820

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Peak Seq: 492 12:39:04 01 Sep 1994

XAp = 120 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1508573

*** Sample ID: SL-08 MS 9/1/94 Seq: 494 12:42:24 01 Sep 1994 ICP

Pb1 1.108 PPM .0374 1.134 1.065 1.124

*** Sample ID: SL-08 MSD 9/1/94 Seq: 496 12:49:16 01 Sep 1994 ICP

Pb1 .2326 PPM .0159 .2503 .2195 .2279

*** Peak Seq: 497 12:51:36 01 Sep 1994

XAp = 119 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1506872

*** Sample ID: SL 10/11 9/1/94 Seq: 498 12:52:17 01 Sep 1994 ICP

Pb1 .0491 PPM .0135 .0514 .0612 .0346

*** Sample ID: SL-12 9/1/94 Seq: 499 12:55:11 01 Sep 1994 ICP

Pb1 1.420 PPM .0042 1.416 1.420 1.424

*** Sample ID: SL-13 9/1/94 Seq: 501 12:58:23 01 Sep 1994 ICP

Pb1 .3703 PPM .0230 .3965 .3536 .3608

*** Check Standard: 3 Ck3 CCV Seq: 502 13:02:16 01 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Pb1		101.3	2.533	2.500	PPM	.0243

*** Peak Seq: 503 13:04:45 01 Sep 1994

XAp = 119 YAp = 104 XPMT = 166 YPMT = 680 Intensity = 1518351

*** Sample ID: CCB 9/1/94 Seq: 504 13:05:26 01 Sep 1994 ICP

Pb1 .0082 PPM .0142 .0230 .0070 -.0053

*** Sample ID: SL-14 9/1/94 Seq: 505 13:07:57 01 Sep 1994 ICP

Pb1 .3405 PPM .0297 .3403 .3109 .3703

*** Sample ID: SL-15 9/1/94 Seq: 506 13:12:03 01 Sep 1994 ICP

Pb1 .1598 PPM .0290 .1865 .1289 .1639

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: SL-25      9/1/94     Seq:  507    13:15:20 01 Sep 1994 ICP

Pb1   .9916   PPM       .0187     1.013   .9851   .9770

*** Peak                            Seq:  508    13:16:07 01 Sep 1994

XAp = 119  YAp = 104   XPMT = 166  YPMT = 680  Intensity =   1494841

*** Sample ID: SL-25 5X   9/1/94     Seq:  510    13:20:11 01 Sep 1994 ICP

Pb1   .1888   PPM       .0252     .2177   .1776   .1710

*** Sample ID: SL-12 5X   9/1/94     Seq:  511    13:27:09 01 Sep 1994 ICP

Pb1   .2790   PPM       .0283     .2980   .2465   .2924

*** Peak                            Seq:  512    13:30:04 01 Sep 1994

XAp = 118  YAp = 104   XPMT = 166  YPMT = 680  Intensity =   1512233

*** Sample ID: ICS A      9/1/94     Seq:  513    13:30:45 01 Sep 1994 ICP

Pb1  -.0553   PPM       .0286    -.0876  -.0332  -.0452

*** Sample ID: ICS AB     9/1/94     Seq:  514    13:34:25 01 Sep 1994 ICP

Pb1   .8882   PPM       .0364     .9280   .8800   .8565


*** Sample ID: IDL X2     9/1/94     Seq:  515    13:37:38 01 Sep 1994 ICP

Pb1   .0824   PPM       .0100     .0741   .0796   .0936

*** Check Standard: 3  Ck3 CCV      Seq:  516    13:40:31 01 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Pb1         98.09    2.452   2.500  PPM        .0220

*** Peak                            Seq:  517    13:42:55 01 Sep 1994

XAp = 118  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1516439

*** Sample ID: CCB        9/1/94     Seq:  518    13:43:35 01 Sep 1994 ICP

Pb1   .0019   PPM       .0180     .0124  -.0188   .0122
```

*** Peak Seq: 689 11:20:51 09 Sep 1994

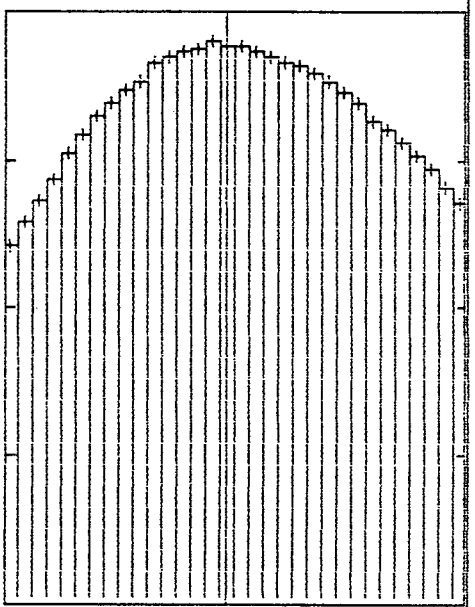
XAp = 122 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1476945

Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 11:22:14 09 Sep 1994
Folder: CLP-1D Seq: 690 Print: On
User: Batch: 9/6/94 Id: CCV Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse

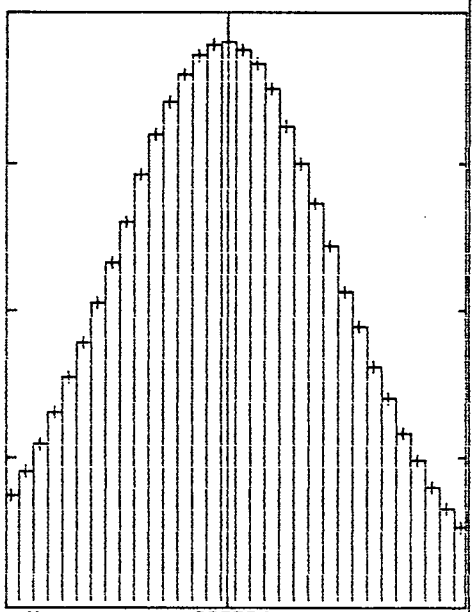


Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 11:23:29 09 Sep 1994
Folder: CLP-1D Seq: 690 Print: On
User: Batch: 9/6/94 Id: CCV Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation Mn1

peaK cup = S1
peak X, Y, Both (X, Y, X)

Tip to rinse



X 802934

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  694     11:27:02 09 Sep 1994 ICP

Ag1   .0000   PPM          -3793     -3676     -3361
                      Ave. Int. =    -3610 S. D. =      223

*** Standard: 1 Rep: 2              Seq:  695     11:27:25 09 Sep 1994 ICP

Ag1   .0000   PPM          -3119     -3834     -3530
                      Ave. Int. =    -3494 S. D. =      359

*** Standard: 1 Rep: 3              Seq:  696     11:27:47 09 Sep 1994 ICP

Ag1   .0000   PPM          -2588     -2368     -3258
                      Ave. Int. =    -2738 S. D. =      464

*** Standard: 2 Rep: 1              Seq:  697     11:29:04 09 Sep 1994 ICP

Ag1   2.000   PPM         504642    508517    506551
                      Ave. Int. =   506570 S. D. =     1938

*** Standard: 2 Rep: 2              Seq:  698     11:29:27 09 Sep 1994 ICP

Ag1   2.000   PPM         509242    516401    519379
                      Ave. Int. =   515007 S. D. =     5210

*** Standard: 2 Rep: 3              Seq:  699     11:29:49 09 Sep 1994 ICP

Ag1   2.000   PPM         519134    517449    515649
                      Ave. Int. =   517411 S. D. =     1743

*** Peak                            Seq:  700     11:33:34 09 Sep 1994

XAp = 122  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1498576

*** Check Standard: 2  Ck2 ICV      Seq:  701     11:33:59 09 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Ag1         99.54    2.007   2.016  PPM        .0053

*** Sample ID: ICB        9/9/94     Seq:  702     11:36:50 09 Sep 1994 ICP
                                                   DL 4          CROL 10
Ag1   .0056   PPM        .0028     .0027   .0058   .0082

*** Check Standard: 3  Ck3 CCV      Seq:  703     11:38:58 09 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Ag1         105.7    1.057   1.000  PPM        .0119
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: CCB			9/9/94		Seq: 704	11:42:27 09 Sep 1994 ICP		
Ag1	.0008	PPM	.0011	-.0005	.0017	.0011		
*** Peak					Seq: 705	11:44:33 09 Sep 1994		
XAp = 122 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1500710								
*** Sample ID: ICS A			9/9/94		Seq: 706	11:44:59 09 Sep 1994 ICP		
Ag1	.0004	PPM	.0029	.0030	-.0026	.0009		
*** Sample ID: ICS AB			9/9/94		Seq: 707	11:48:04 09 Sep 1994 ICP		
Ag1	.9246	PPM	.0217	.9491	.9169	.9079		
*** Sample ID: CRDL X2			9/9/94		Seq: 708	11:53:58 09 Sep 1994 ICP		
Ag1	.0218	PPM	.0038	.0197	.0195	.0262		
*** Peak					Seq: 709	11:56:48 09 Sep 1994		
XAp = 121 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1517997								
*** Sample ID: PRPBLKSOIL			9/9/94		Seq: 710	11:57:14 09 Sep 1994 ICP		
Ag1	-.0022	PPM	.0020	-.0021	-.0043	-.0003		
*** Sample ID: LCS			9/9/94		Seq: 711	11:59:57 09 Sep 1994 ICP		
Ag1	1.007	PPM	.0175	1.007	1.024	.9890	50%R	
*** Sample ID: SL-04			9/9/94		Seq: 712	12:03:29 09 Sep 1994 ICP		
Ag1	.0003	PPM	.0034	.0042	-.0008	-.0024		
*** Sample ID: SL-6/7			9/9/94		Seq: 713	12:06:25 09 Sep 1994 ICP		
Ag1	.0007	PPM	.0011	.0019	.0001	-.0000		
*** Peak					Seq: 714	12:09:58 09 Sep 1994		
XAp = 121 YAp = 105 XPMT = 166 YPMT = 680 Intensity = 1501022								
*** Sample ID: SL-08			9/9/94		Seq: 715	12:10:24 09 Sep 1994 ICP		
Ag1	-.0013	PPM	.0011	-.0024	-.0001	-.0014		

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: SL-08 5X   9/9/94     Seq:  716    12:13:27 09 Sep 1994 ICP

Ag1  -.0017   PPM       .0024    -.0044  -.0007   .0001

*** Check Standard: 3  Ck3 CCV      Seq:  717    12:15:41 09 Sep 1994 ICP
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Ag1         104.0    1.040   1.000  PPM        .0070

*** Sample ID: CCB        9/9/94     Seq:  718    12:18:56 09 Sep 1994 ICP

Ag1   .0002   PPM       .0022    -.0024   .0019   .0009

*** Peak                             Seq:  719    12:20:25 09 Sep 1994

XAp = 120  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1496052

*** Sample ID: SL-08 MS   9/9/94     Seq:  720    12:20:50 09 Sep 1994 ICP

Ag1   .0722   PPM       .0017     .0729   .0734   .0702

*** Sample ID: SL-08 MSD  9/9/94     Seq:  721    12:24:01 09 Sep 1994 ICP

Ag1   .0021   PPM       .0004     .0024   .0022   .0016

*** Sample ID: PRPBLK H2O 9/9/94     Seq:  722    12:26:18 09 Sep 1994 ICP

Ag1  -.0022   PPM       .0026    -.0035  -.0039   .0008

*** Sample ID: FIELD BLK  9/9/94     Seq:  723    12:28:28 09 Sep 1994 ICP

Ag1  -.0005   PPM       .0001    -.0004  -.0007  -.0006

*** Sample ID: ICS A      9/9/94     Seq:  724    12:30:48 09 Sep 1994 ICP

Ag1  -.0035   PPM       .0022    -.0013  -.0056  -.0037

*** Peak                             Seq:  725    12:33:06 09 Sep 1994

XAp = 120  YAp = 105   XPMT = 166  YPMT = 680  Intensity =   1514068

*** Sample ID: ICS AB     9/9/94     Seq:  726    12:33:31 09 Sep 1994 ICP

Ag1   .9206   PPM       .0180     .9235   .9013   .9369

*** Sample ID: CRDL X2    9/9/94     Seq:  727    12:36:23 09 Sep 1994 ICP

Ag1   .0215   PPM       .0014     .0213   .0230   .0202
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3 CCV Seq: 728 12:38:38 09 Sep 1994 ICP

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Ag1		103.7	1.037	1.000	PPM	.0035

*** Sample ID: CCB 9/9/94 Seq: 729 12:41:38 09 Sep 1994 ICP

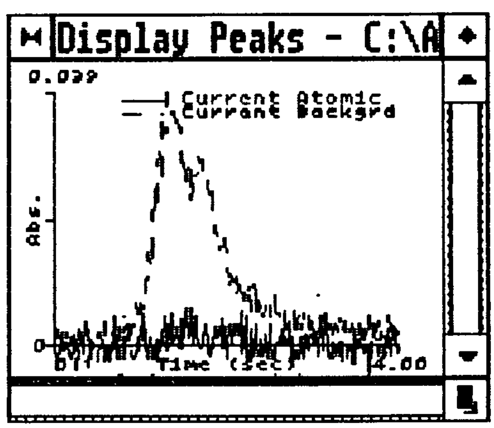
Ag1	.0005	PPM	.0007	.0004	.0012	-.0002

Element File: ASCLP_2.GEL | Element: As | Wavelength: 193.7
Date: 09/01/94 | Time: 13:21 | Slit: 0.70 L
Data File: 0901AS.DAT | ID/Wt File: UNTITLED | Lamp Current: 0
Technique: HGA | Calib. Type: Linear | Energy: 61

As ID: BLANK Seq. No.: 00001 A/S Pos.: 2 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 13:23
Peak Area (A-s): -0.000 Peak Height (A): 0.008
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): -0.000

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 13:26
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.001



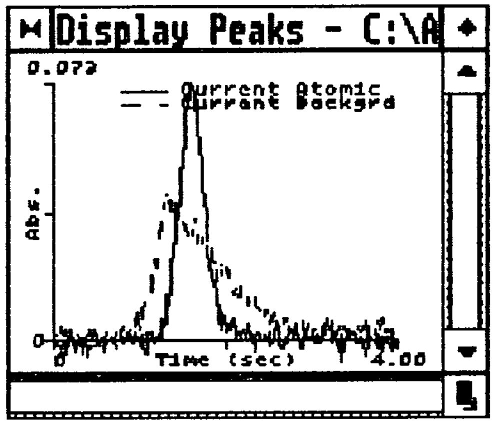
Mean Pk Area (A-s): 0.001 SD: 0.0011 RSD(%): 170.58

Auto-zero performed.

As ID: 10 ppb std Seq. No.: 00002 A/S Pos.: 3 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 Time: 13:29
Peak Area (A-s): 0.026 Peak Height (A): 0.066
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.025

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 13:31
Peak Area (A-s): 0.027 Peak Height (A): 0.073
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.042



Mean Pk Area (A-s): 0.026 SD: 0.0007 RSD(%): 2.61

Standard number 1 applied. [10.0]
Correlation coefficient: 1.00000 Slope: 0.0026 Int: -0.000

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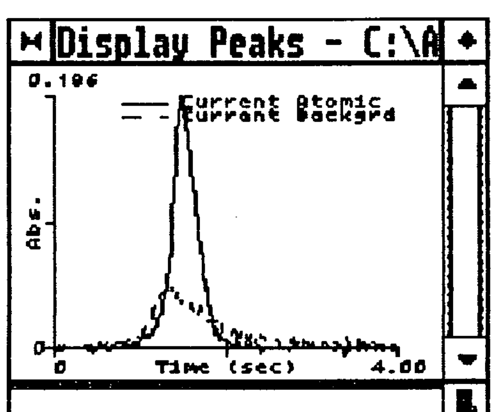
As ID: 25 ppb std Seq. No.: 00003 A/S Pos.: 4 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 13:34
Peak Area (A-s): 0.066 Peak Height (A): 0.193
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 25.4

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 13:37
Peak Area (A-s): 0.066 Peak Height (A): 0.186
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 25.3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Mean Conc (ug/L): 25.4 SD: 0.12 RSD(%): 0.46

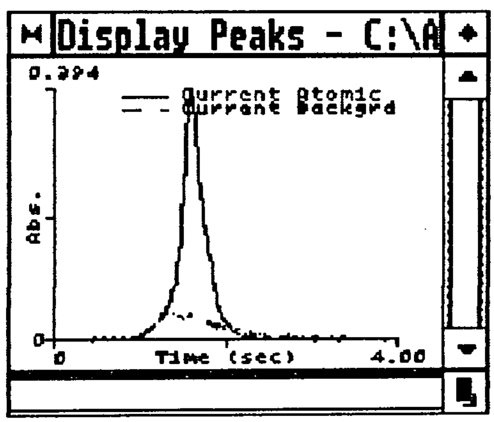
Standard number 2 applied. [25.0]
Correlation coefficient: 0.99998 Slope: 0.0026 Int: -0.000

~~~~~~

As ID: 50 ppb std Seq. No.: 00004 A/S Pos.: 5 Date: 09/01/94

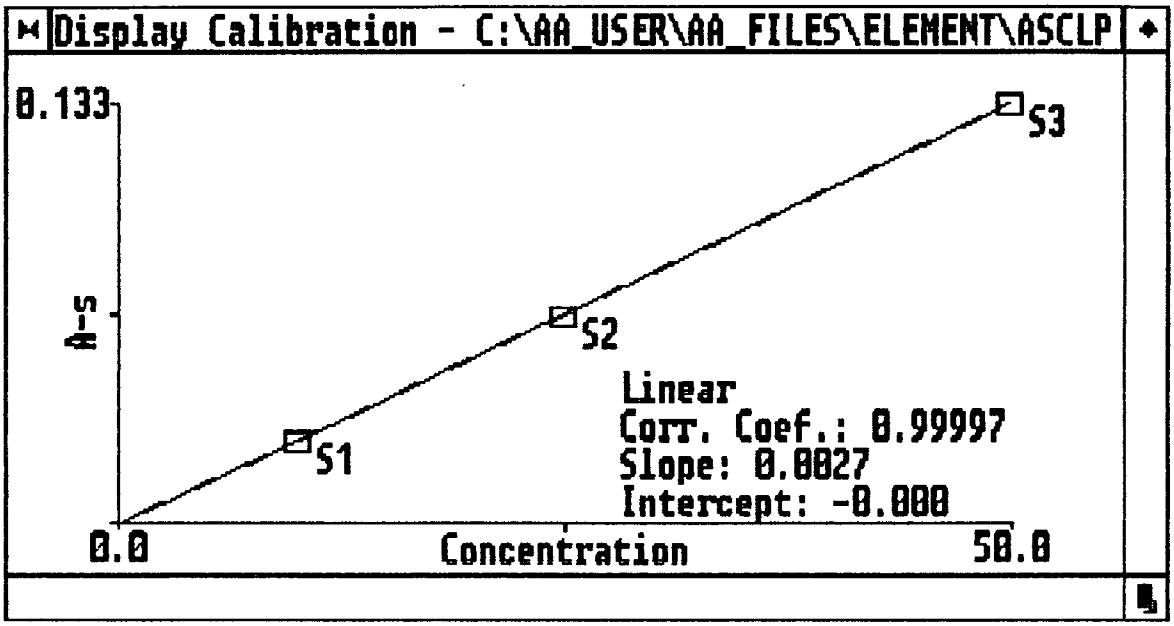
uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 Time: 13:40
Peak Area (A-s): 0.134 Peak Height (A): 0.437
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.133
Concentration (ug/L): 50.9

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 13:42
Peak Area (A-s): 0.133 Peak Height (A): 0.394
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 50.5



Mean Conc (ug/L): 50.7 SD: 0.22 RSD(%): 0.43

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99997 Slope: 0.0027 Int: -0.000
~~~~~~



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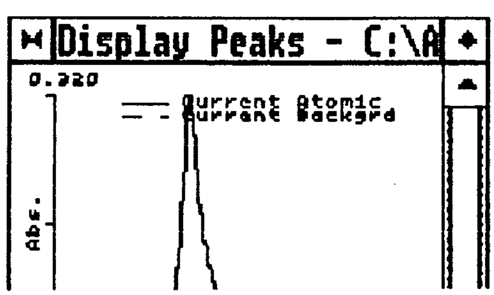
As ID: ICV Seq. No.: 00005 A/S Pos.: 8 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 1 Time: 13:48
Peak Area (A-s): 0.104 Peak Height (A): 0.276
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 39.3 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 13:51
Peak Area (A-s): 0.109 Peak Height (A): 0.320
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.108
Concentration (ug/L): 40.9 Corrected Conc (mg/kg): ----------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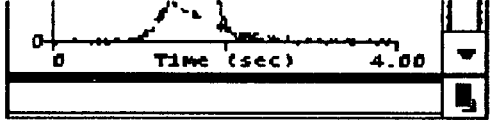

Mean Conc (ug/L): 40.1 SD: 1.18 RSD(%): 2.95
Corrected Conc (mg/kg): ----------

+V=40

QC sample is within range 36.0 - 44.0 100%

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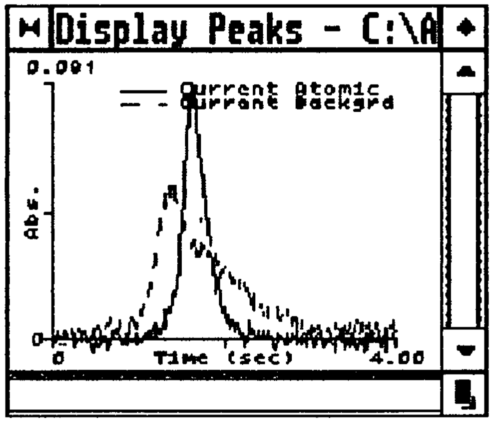
uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 14:02
Peak Area (A-s): 0.027 Peak Height (A): 0.081
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 10.3 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 9.9 SD: 0.56 RSD(%): 5.66
Corrected Conc (mg/kg): ----------

QC sample is within range 3 - 15

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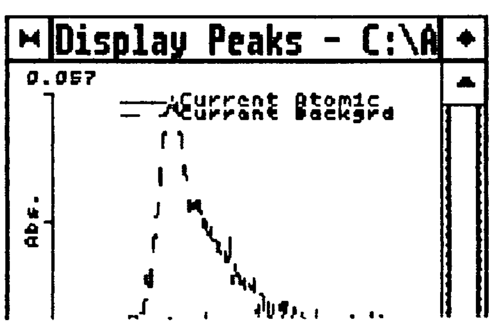
As ID: PBLK-SOIL Seq. No.: 00008 A/S Pos.: 10 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 Time: 14:05
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.3 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 2 (Peak Stored) Time: 14:07
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.3 Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 0.3 SD: 0.01 RSD(%): 1.94
Corrected Conc (mg/kg): ----------

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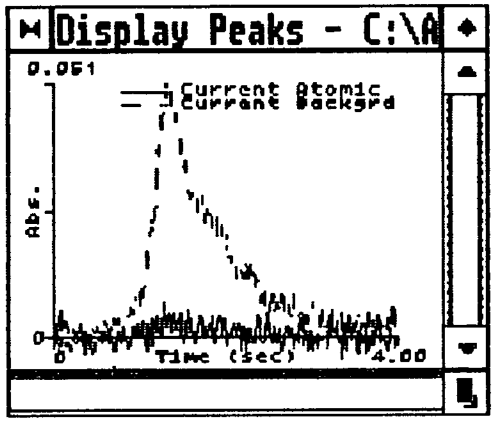
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.1 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 1.0 SD: 0.12 RSD(%): 11.59
Corrected Conc (mg/kg): ----------

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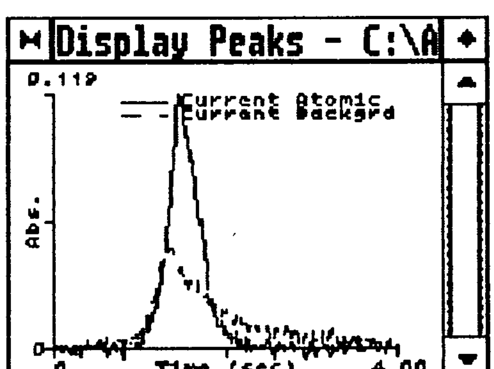
As ID: PBLK-H2O Seq. No.: 00011 A/S Pos.: 11 Date: 09/01/94

uL dispensed: 5 from 1, 4 from 7, 20 from 11
Replicate 1 Time: 14:22
Peak Area (A-s): 0.052 Peak Height (A): 0.108
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 19.6 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 7, 20 from 11
Replicate 2 (Peak Stored) Time: 14:24
Peak Area (A-s): 0.050 Peak Height (A): 0.119
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 18.9 Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 19.3 SD: 0.49 RSD(%): 2.53
Corrected Conc (mg/kg): ----------

Recovery is ~~91.4%~~

PBWA

97%
96.5

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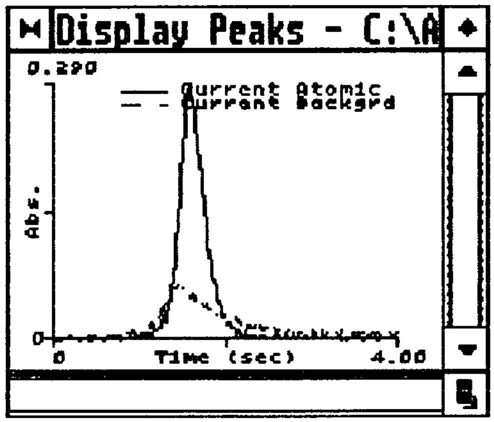
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 38.9 Corrected Conc (mg/kg): ----------

LCSA

tv = 40 at
2x dilution

20 ppb post
spike of 2X



Mean Conc (ug/L): 38.7 SD: 0.39 RSD(%): 1.00
Corrected Conc (mg/kg): ----------

Recovery is ~~92.1%~~ 93% 92.5

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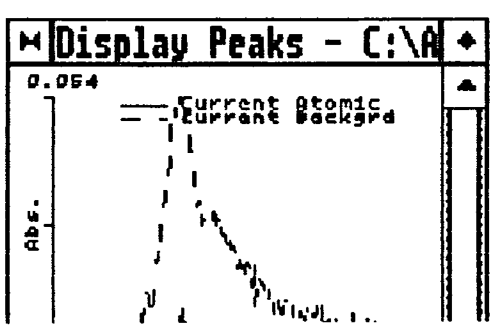
As ID: FIELD BLK Seq. No.: 00014 A/S Pos.: 13 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 1 Time: 14:39
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.2 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 2 (Peak Stored) Time: 14:42
Peak Area (A-s): -0.001 Peak Height (A): 0.009
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.4 Corrected Conc (mg/kg): ----------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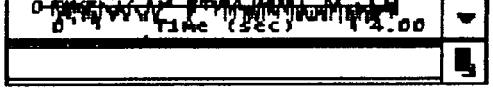

Mean Conc (ug/L): -0.1 SD: 0.38 RSD(%): 333.69
Corrected Conc (mg/kg): ----------

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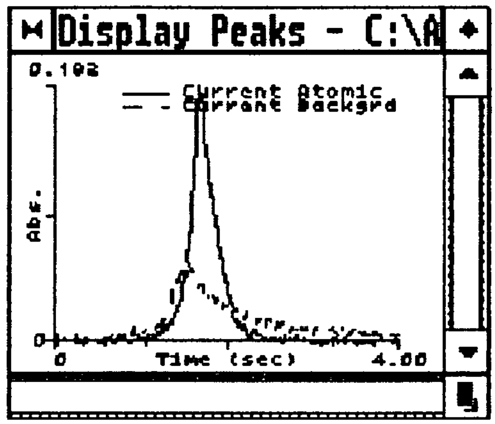
Peak Area (A-s): 0.062 Peak Height (A): 0.182
Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 23.2 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 23.3 SD: 0.17 RSD(%): 0.75
Corrected Conc (mg/kg): ----------

QC sample is within range 22.5 - 27.5 93%

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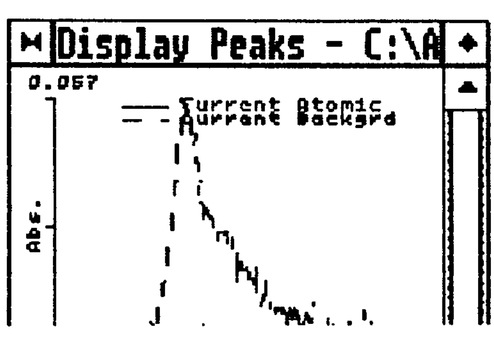
As ID: CCB Seq. No.: 00017 A/S Pos.: 2 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 14:57
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.6 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 14:59
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.4 Corrected Conc (mg/kg): ----------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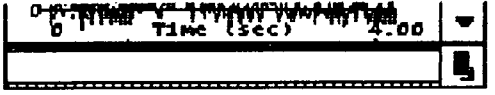

Mean Conc (ug/L): 0.5 SD: 0.17 RSD(%): 32.24
Corrected Conc (mg/kg): ----------

QC sample is within range -10.0 - 10.0

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Element File: ASCLP_2.GEL Element: As Wavelength: 193.7
Date: 09/02/94 Time: 09:44 Slit: 0.70 L
Data File: 0902AS.DAT ID/Wt File: UNTITLED Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 61

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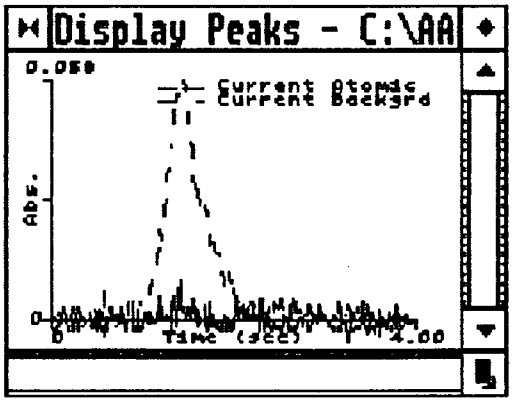
As ID: BLANK Seq. No.: 00001 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 09:47
Peak Area (A-s): -0.000 Peak Height (A): 0.006
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.1

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 09:49
Peak Area (A-s): -0.000 Peak Height (A): 0.009
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.2



Mean Conc (ug/L): -0.2 SD: 0.06 RSD(%): 37.02

Auto-zero performed.

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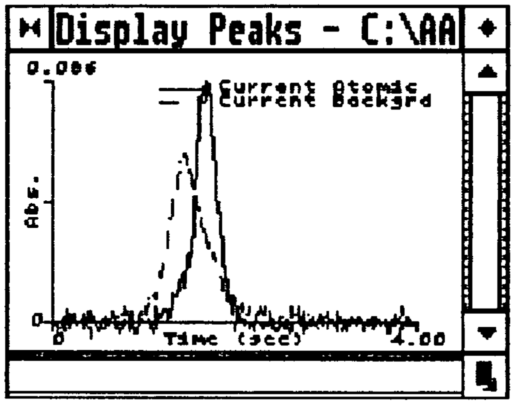
As ID: 10 ppb std Seq. No.: 00002 A/S Pos.: 3 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 Time: 09:52
Peak Area (A-s): 0.029 Peak Height (A): 0.091
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.029

Concentration (ug/L): 11.1

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 09:55
Peak Area (A-s): 0.026 Peak Height (A): 0.086
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 10.3



Mean Conc (ug/L): 10.7 SD: 0.63 RSD(%): 5.85

Standard number 1 applied. [10.0]
Correlation coefficient: 1.00000 Slope: 0.0028 Int: -0.000

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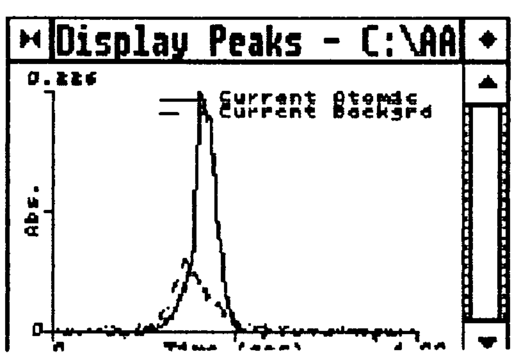
As ID: 25 ppb std Seq. No.: 00003 A/S Pos.: 4 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 09:58
Peak Area (A-s): 0.068 Peak Height (A): 0.239
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 24.6

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 10:01
Peak Area (A-s): 0.068 Peak Height (A): 0.226
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 24.6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Mean Conc (ug/L): 24.6 SD: 0.01 RSD(%): 0.06

Standard number 2 applied. [25.0]
Correlation coefficient: 0.99997 Slope: 0.0027 Int: 0.000

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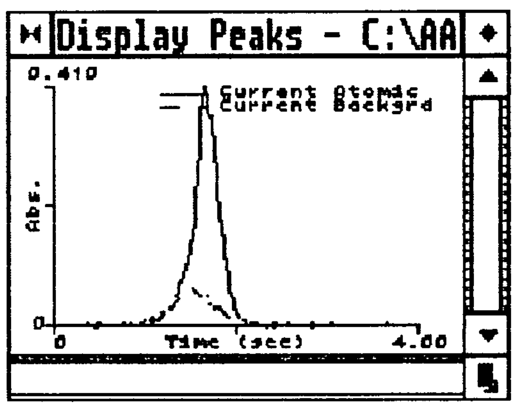
As ID: 50 ppb std Seq. No.: 00004 A/S Pos.: 5 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 Time: 10:03
Peak Area (A-s): 0.134 Peak Height (A): 0.418
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 48.9

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 10:06
Peak Area (A-s): 0.134 Peak Height (A): 0.410
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 48.7



Mean Conc (ug/L): 48.8 SD: 0.13 RSD(%): 0.26

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99990 Slope: 0.0027 Int: 0.001
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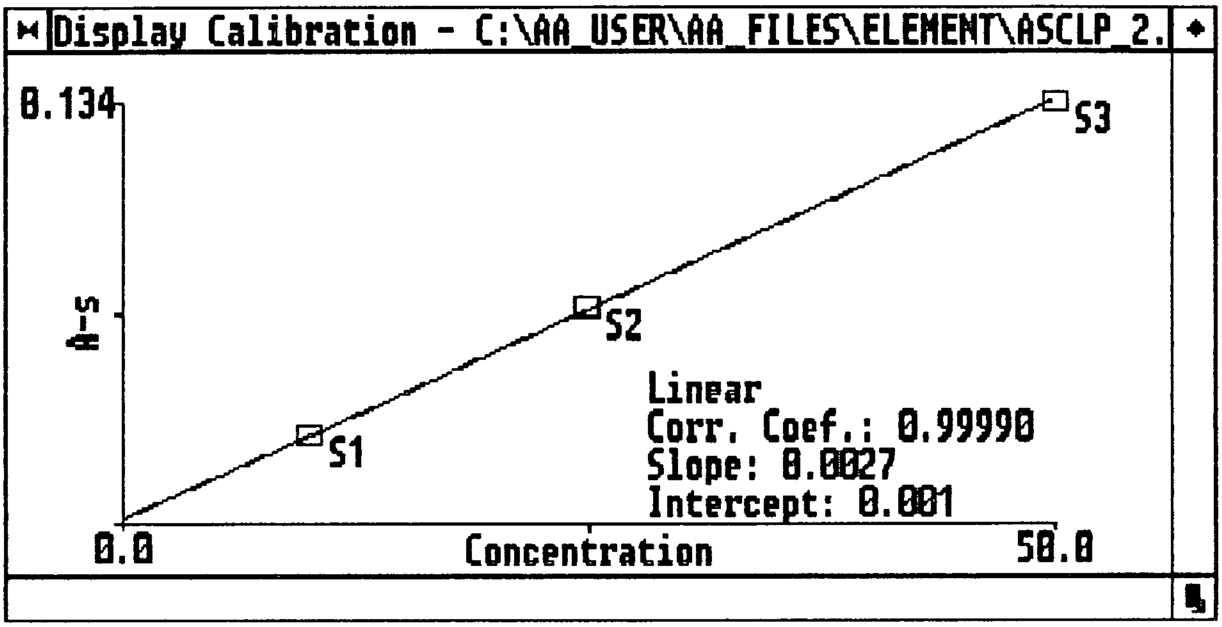

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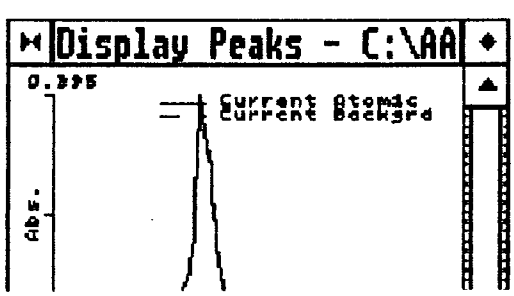
As ID: ICV Seq. No.: 00005 A/S Pos.: 8 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 1 Time: 10:22
Peak Area (A-s): 0.112 Peak Height (A): 0.384
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 41.6 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 10:25
Peak Area (A-s): 0.112 Peak Height (A): 0.395
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 41.7 Corrected Conc (mg/kg): ----------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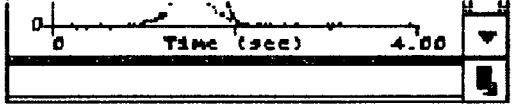

Mean Conc (ug/L): 41.7 SD: 0.03 RSD(%): 0.08
Corrected Conc (mg/kg): ----------

+v=40

QC sample is within range 36.0 - 44.0 104% R

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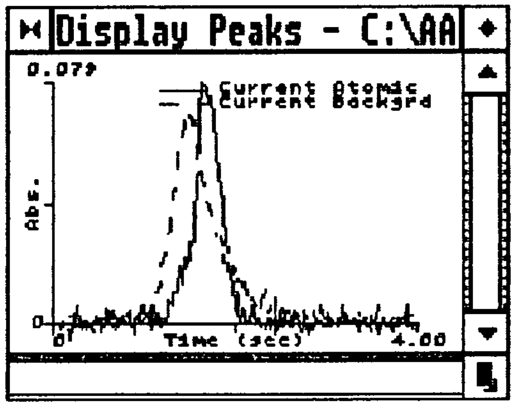
Replicate 2 (Peak Stored)
Peak Area (A-s): 0.029 | Peak Height (A): 0.079
Background Pk Area (A-s): 0.044 | Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 10.8 | Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 10.5 SD: 0.40 RSD(%): 3.85
Corrected Conc (mg/kg): ----------

QC sample is within range 3 - 15

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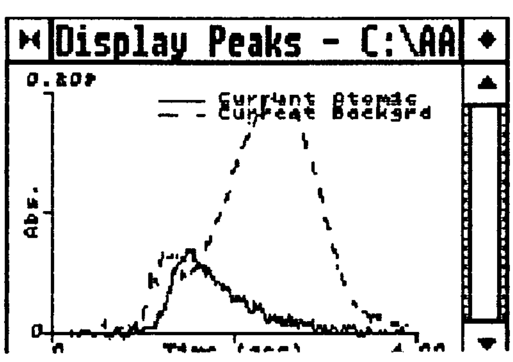
As ID: SL-04 Seq. No.: 00008 A/S Pos.: 14 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 1 | Time: 10:39
Peak Area (A-s): 0.055 | Peak Height (A): 0.071
Background Pk Area (A-s): 0.283 | Background Pk Height (A): 0.212
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 20.4 | Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 2 (Peak Stored) | Time: 10:41
Peak Area (A-s): 0.059 | Peak Height (A): 0.072
Background Pk Area (A-s): 0.281 | Background Pk Height (A): 0.209
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 21.8 | Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 21.1 SD: 0.93 RSD(%): 4.43
Corrected Conc (mg/kg): ----------

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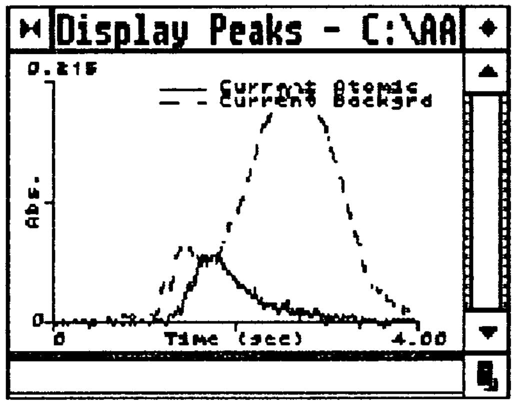
Background Pk Area (A-s): 0.290   Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 17.5   Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 17.4   SD: 0.16   RSD(%): 0.90
Corrected Conc (mg/kg): ----------

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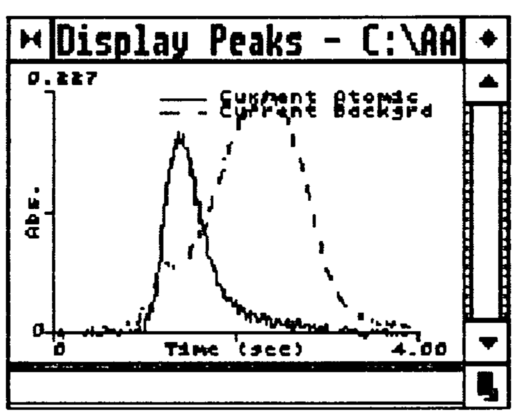
As   ID: SL 6/7   Seq. No.: 00011   A/S Pos.: 15   Date: 09/02/94

uL dispensed: 5 from 1, 4 from 7, 20 from 15
Replicate 1   Time: 10:56
Peak Area (A-s): 0.110   Peak Height (A): 0.184
Background Pk Area (A-s): 0.291   Background Pk Height (A): 0.222
Blank Corrected Pk Area (A-s): 0.110
Concentration (ug/L): 40.8   Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 7, 20 from 15
Replicate 2 (Peak Stored)   Time: 10:59
Peak Area (A-s): 0.106   Peak Height (A): 0.188
Background Pk Area (A-s): 0.296   Background Pk Height (A): 0.227
Blank Corrected Pk Area (A-s): 0.106
Concentration (ug/L): 39.4   Corrected Conc (mg/kg): ----------

SL-6/7A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Mean Conc (ug/L): 40.1 SD: 0.96 RSD(%): 2.40
Corrected Conc (mg/kg): ----------

Recovery is 113.6%

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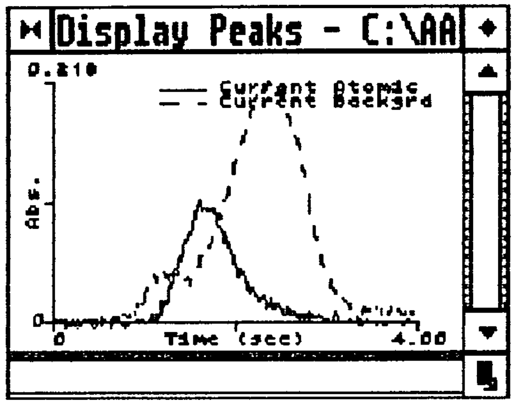
Concentration (ug/L): 29.5 Corrected Conc (mg/kg): ----------

2x dilution

59.0



Mean Conc (ug/L): 29.5 SD: 0.03 RSD(%): 0.12
Corrected Conc (mg/kg): ----------

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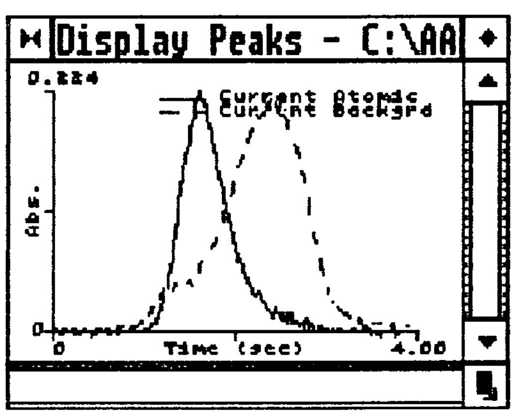
As ID: SL-08 Seq. No.: 00014 A/S Pos.: 17 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 7, 20 from 17
Replicate 1 Time: 11:13
Peak Area (A-s): 0.140 Peak Height (A): 0.224
Background Pk Area (A-s): 0.239 Background Pk Height (A): 0.214
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 52.2 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 7, 20 from 17
Replicate 2 (Peak Stored) Time: 11:16
Peak Area (A-s): 0.141 Peak Height (A): 0.225
Background Pk Area (A-s): 0.242 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.141
Concentration (ug/L): 52.3 Corrected Conc (mg/kg): ----------

post spike of 2x

SL-08LA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Mean Conc (ug/L): 52.2 SD: 0.08 RSD(%): 0.15
Corrected Conc (mg/kg): ----------

Recovery is 113.5%

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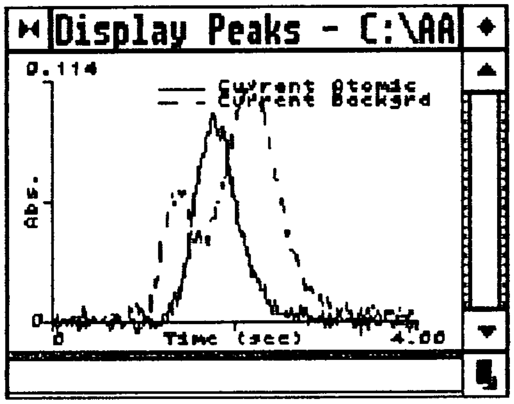
Peak Area (A-s): 0.056 | Peak Height (A): 0.100
Background Pk Area (A-s): 0.117 | Background Pk Height (A): 0.114
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 20.9 | Corrected Conc (mg/kg): ----------

5X
Predig. spike = 50 ppb
Sample = 59 ppb



Mean Conc (ug/L): 20.7 SD: 0.24 RSD(%): 1.14
Corrected Conc (mg/kg): ----------- 90% R

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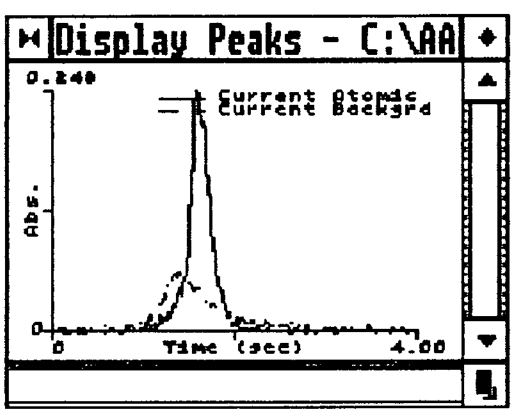
As ID: CCV Seq. No.: 00017 A/S Pos.: 4 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 | Time: 11:31
Peak Area (A-s): 0.070 | Peak Height (A): 0.248
Background Pk Area (A-s): 0.047 | Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 25.9 | Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) | Time: 11:33
Peak Area (A-s): 0.070 | Peak Height (A): 0.248
Background Pk Area (A-s): 0.045 | Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 26.0 | Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 25.9 SD: 0.09 RSD(%): 0.36
Corrected Conc (mg/kg): ----------

QC sample is within range 22.5 - 27.5

104% R

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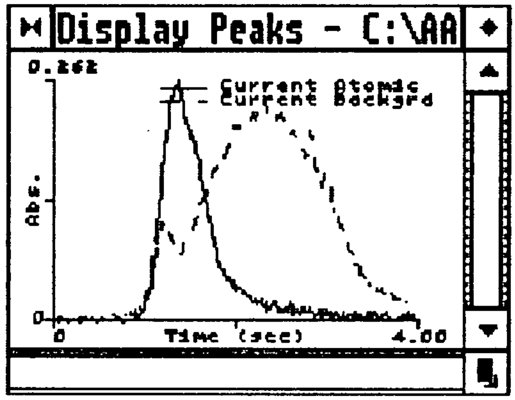
Replicate 2 (Peak Stored)   Time: 11:45
Peak Area (A-s): 0.160   Peak Height (A): 0.262
Background Pk Area (A-s): 0.388   Background Pk Height (A): 0.239
Blank Corrected Pk Area (A-s): 0.160
Concentration (ug/L): 59.4   Corrected Conc (mg/kg): ----------

1X



Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L): 59.8   SD: 0.65   RSD(%): 1.09
Corrected Conc (mg/kg): ----------

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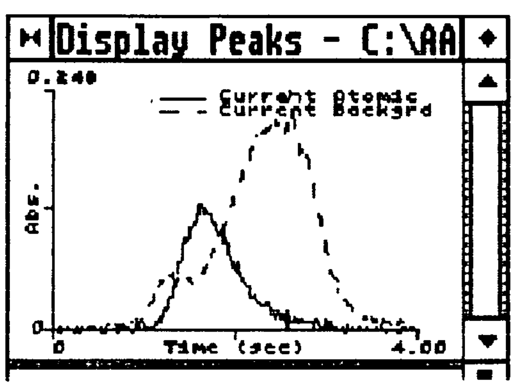
As   ID: SL-08 MSD   Seq. No.: 00020   A/S Pos.: 21   Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 21
Replicate 1   Time: 11:48
Peak Area (A-s): 0.092   Peak Height (A): 0.135
Background Pk Area (A-s): 0.256   Background Pk Height (A): 0.211
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 34.2   Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 21
Replicate 2 (Peak Stored)   Time: 11:51
Peak Area (A-s): 0.095   Peak Height (A): 0.130
Background Pk Area (A-s): 0.275   Background Pk Height (A): 0.249
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 35.1   Corrected Conc (mg/kg): ----------

2X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Mean Conc (ug/L): 34.6 SD: 0.65 RSD(%): 1.89
Corrected Conc (mg/kg): ----------

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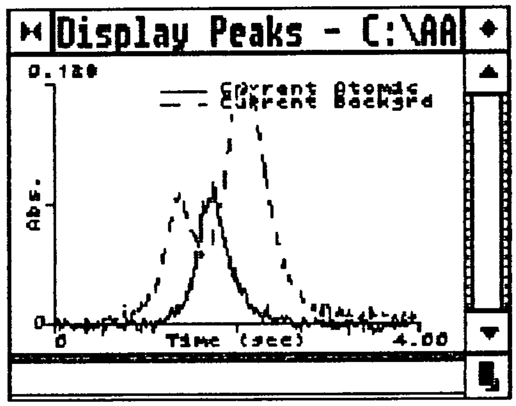
Background Pk Area (A-s): 0.116   Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 11.2   Corrected Conc (mg/kg): ----------

5X dilution

SL08MSDL

56.5



Mean Conc (ug/L): 11.3   SD: 0.19   RSD(%): 1.64
Corrected Conc (mg/kg): ----------

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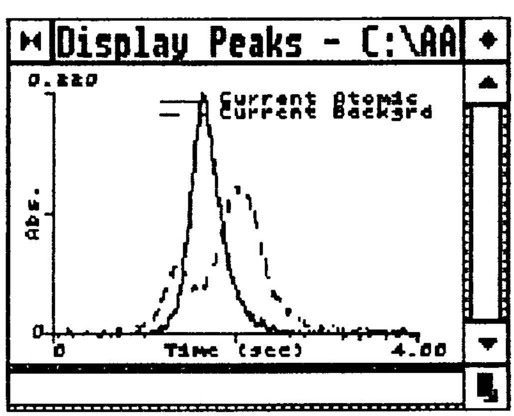
As   ID: SL-08 MSD   Seq. No.: 00023   A/S Pos.: 22   Date: 09/02/94

uL dispensed: 5 from 1, 4 from 7, 20 from 22
Replicate 1   Time: 12:09
Peak Area (A-s): 0.092   Peak Height (A): 0.181
Background Pk Area (A-s): 0.115   Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 34.2   Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 7, 20 from 22
Replicate 2 (Peak Stored)   Time: 12:12
Peak Area (A-s): 0.090   Peak Height (A): 0.220
Background Pk Area (A-s): 0.113   Background Pk Height (A): 0.135
Blank Corrected Pk Area (A-s): 0.090
Concentration (ug/L): 33.4   Corrected Conc (mg/kg): ----------

post spike of 5X

SL08MSDLA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Mean Conc (ug/L): 33.8 SD: 0.59 RSD(%): 1.76
Corrected Conc (mg/kg): ----------

Recovery is 112.4%

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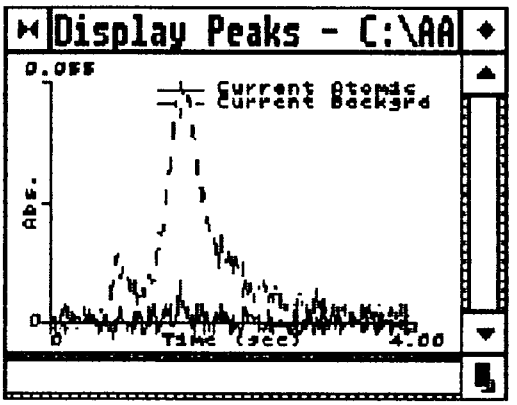
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.5 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 0.3 SD: 0.21 RSD(%): 59.27
Corrected Conc (mg/kg): ----------

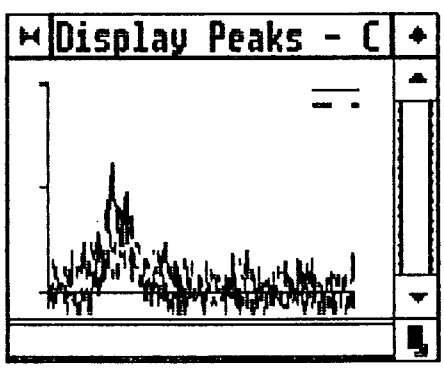
QC sample is within range -10.0 - 10.0

Element File: PBCLP.GEL Element: Pb Wavelength: 283.3
Date: 09/07/94 Time: 10:31 Slit: 0.7 L
Data File: 0907PB.DAT ID/Wt File: UNTITLED Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 77

Pb ID: BLANK Seq. No.: 00001 A/S Pos.: 2 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 10:33
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.4

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 10:36
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.5



Mean Conc (ug/L): -1.4 SD: 0.05 RSD(%): 3.82

Auto-zero performed.

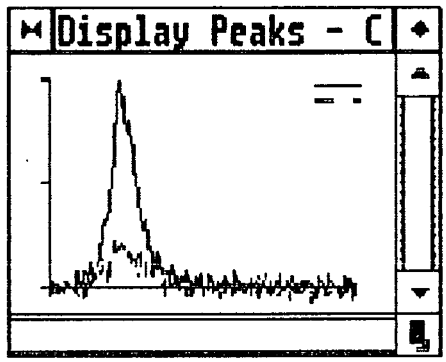
Pb ID: 3 PPB STD Seq. No.: 00002 A/S Pos.: 3 Date: 09/07/94

0214

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 10:39

Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.3

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 10:42
Peak Area (A-s): 0.011 Peak Height (A): 0.027
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 2.5



Mean Conc (ug/L): 2.4 SD: 0.13 RSD(%): 5.33

Standard number 1 applied. [3.0]
Correlation coefficient: 1.00000 Slope: 0.0029 Int: -0.000

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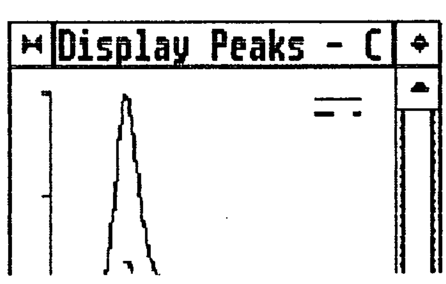
Pb ID: 25 PPB STD Seq. No.: 00003 A/S Pos.: 4 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored) Time: 10:44
Peak Area (A-s): 0.069 Peak Height (A): 0.132
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.067
Concentration (ug/L): 22.6

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 10:47
Peak Area (A-s): 0.068 Peak Height (A): 0.168
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 22.5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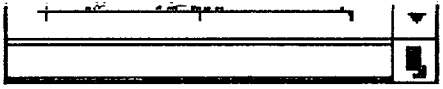

Mean Conc (ug/L): 22.5 SD: 0.11 RSD(%): 0.49

Standard number 2 applied. [25.0]
Correlation coefficient: 0.99992 Slope: 0.0026 Int: 0.000

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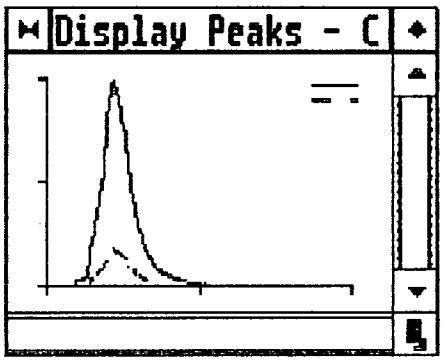
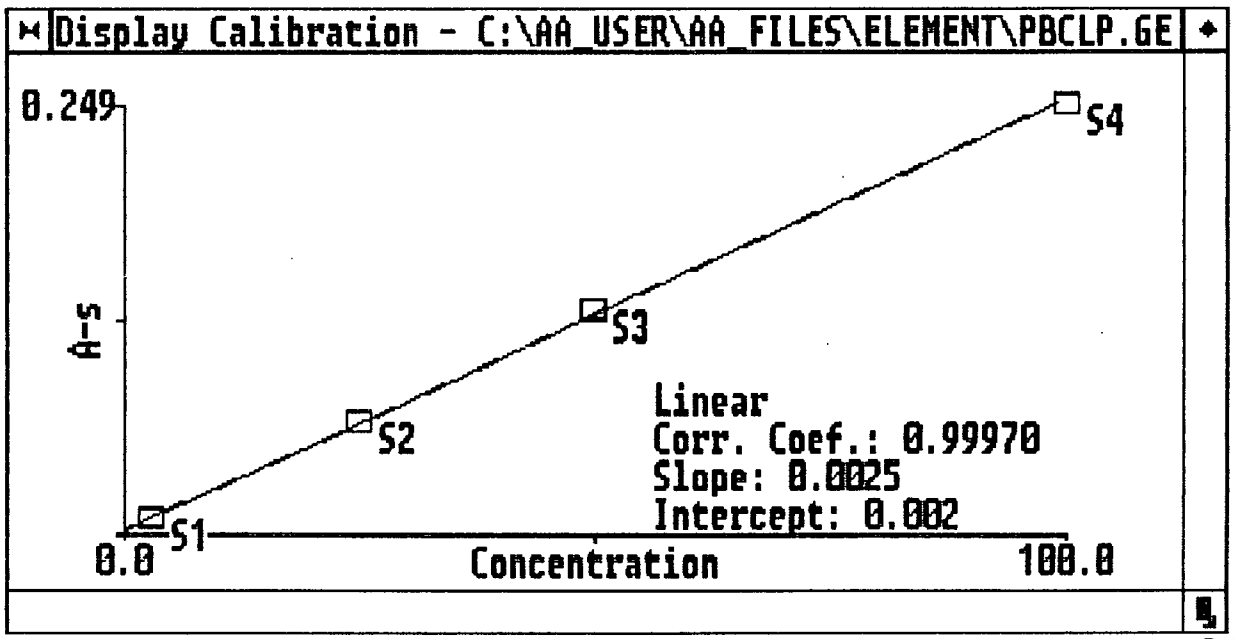
Replicate 2 (Peak Stored) Time: 10:58
Peak Area (A-s): 0.253 Peak Height (A): 0.545
Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.099
Blank Corrected Pk Area (A-s): 0.251
Concentration (ug/L): 96.2



Mean Conc (ug/L): 95.7 SD: 0.77 RSD(%): 0.81

Standard number 4 applied. [100.0]
Correlation coefficient: 0.99970 Slope: 0.0025 Int: 0.002

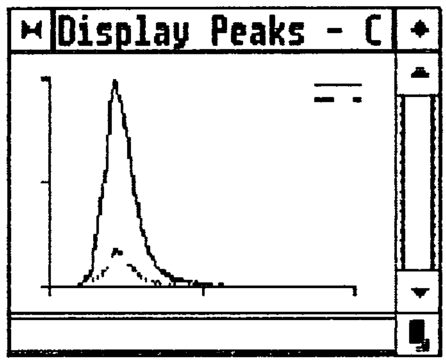


0217

Pb ID: ICV Seq. No.: 00006 A/S Pos.: 8 Date: 09/07/94

Replicate 1 (Peak Stored) Time: 11:05
Peak Area (A-s): 0.105 Peak Height (A): 0.221
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 40.5 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 11:07
Peak Area (A-s): 0.105 Peak Height (A): 0.226
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 40.4 Corrected Conc (mg/kg): -----------



t.v.=40

Mean Conc (ug/L): 40.5 SD: 0.07 RSD(%): 0.16
Corrected Conc (mg/kg): -----------

QC sample is within range 36.0 - 44.0 101%

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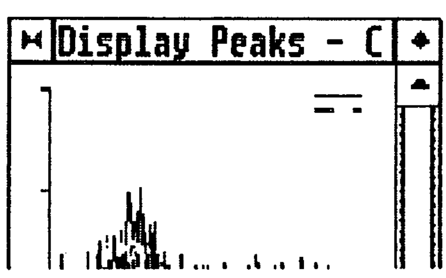
Pb ID: ICB Seq. No.: 00007 A/S Pos.: 2 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 11:10
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.9 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 11:13
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.2 Corrected Conc (mg/kg): -----------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Mean Conc (ug/L): -1.0 SD: 0.18 RSD(%): 17.43
Corrected Conc (mg/kg): ----------

QC sample is within range -3.0 - 3.0

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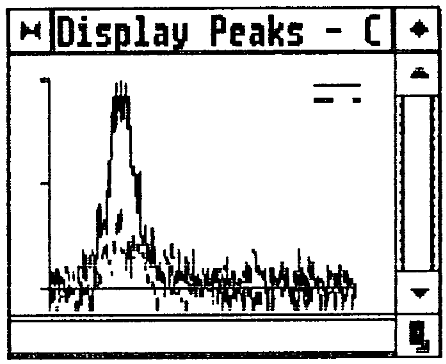
Replicate 2 (Peak Stored) Time: 11:24
Peak Area (A-s): 0.005 Peak Height (A): 0.012
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.2 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 0.2 SD: 0.07 RSD(%): 38.24
Corrected Conc (mg/kg): ----------

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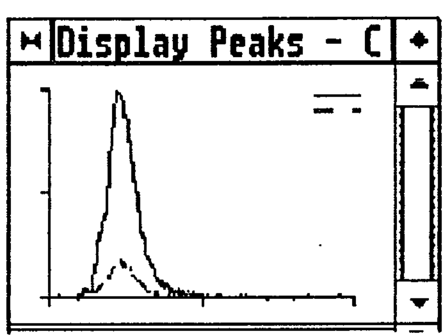
Pb ID: PBLK-SOIL Seq. No.: 00010 A/S Pos.: 10 Date: 09/07/94

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 1 (Peak Stored) Time: 11:27
Peak Area (A-s): 0.058 Peak Height (A): 0.127
Background Pk Area (A-s): 0.011 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 21.7 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 2 (Peak Stored) Time: 11:30
Peak Area (A-s): 0.061 Peak Height (A): 0.134
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 22.7 Corrected Conc (mg/kg): ----------

PBS A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Mean Conc (ug/L): 22.2 SD: 0.72 RSD(%): 3.22
Corrected Conc (mg/kg): ----------

Recovery is ~~110.2%~~ 111%

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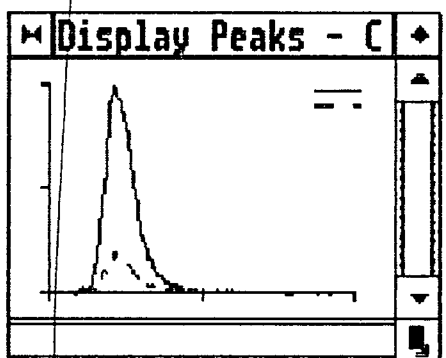

Mean Conc (ug/L): 24.0 SD: 0.22 RSD(%): 0.92
Corrected Conc (mg/kg): ------------

Recovery is 115.6% (outside of specified limits)

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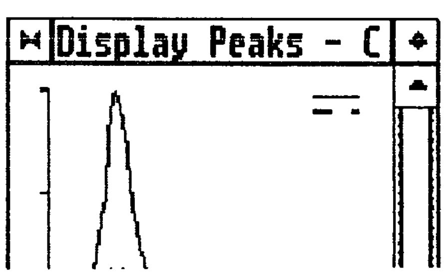
Pb ID: LCS Seq. No.: 00013 A/S Pos.: 12 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 1 (Peak Stored) Time: 11:44
Peak Area (A-s): 0.105 Peak Height (A): 0.262
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.103
Concentration (ug/L): 40.4 Corrected Conc (mg/kg): ------------

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 2 (Peak Stored) Time: 11:47
Peak Area (A-s): 0.107 Peak Height (A): 0.258
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 41.1 Corrected Conc (mg/kg): ------------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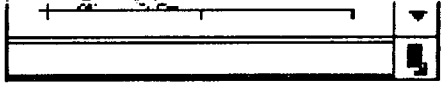

+V₀ = 40

Mean Conc (ug/L): 40.8 SD: 0.51 RSD(%): 1.24
Corrected Conc (mg/kg): ----------

102%

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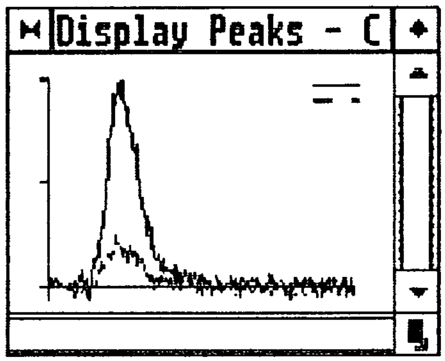
Concentration (ug/L): 4.1 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 4.1 SD: 0.00 RSD(%): 0.04
Corrected Conc (mg/kg): ----------

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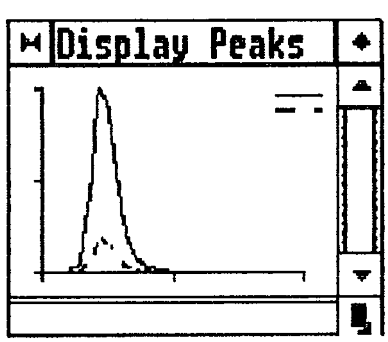
Pb ID: CCV Seq. No.: 00016 A/S Pos.: 5 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 12:02
Peak Area (A-s): 0.123 Peak Height (A): 0.283
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 47.6 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 12:05
Peak Area (A-s): 0.130 Peak Height (A): 0.273
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 50.2 Corrected Conc (mg/kg): ----------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+v = 50

Mean Conc (ug/L): 48.9 SD: 1.88 RSD(%): 3.84
Corrected Conc (mg/kg): ----------

QC sample is within range 45.0 - 55.0 98%

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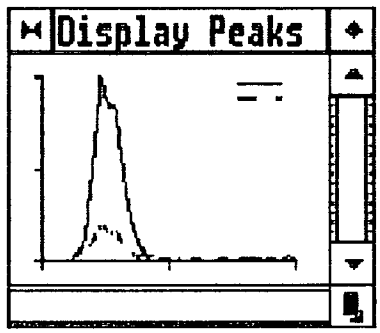

Mean Conc (ug/L): 34.1 SD: 0.15 RSD(%): 0.43
Corrected Conc (mg/kg): -----------

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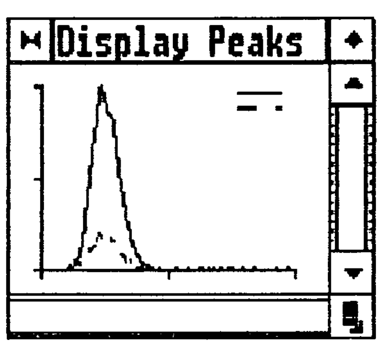
Pb ID: SL 6/7 Seq. No.: 00019 A/S Pos.: 14 Date: 09/07/94

uL dispensed: 5 from 1, 4 from 6, 20 from 14
Replicate 1 (Peak Stored) Time: 12:19
Peak Area (A-s): 0.137 Peak Height (A): 0.280
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 53.4 Corrected Conc (mg/kg): -----------

uL dispensed: 5 from 1, 4 from 6, 20 from 14
Replicate 2 (Peak Stored) Time: 12:22
Peak Area (A-s): 0.137 Peak Height (A): 0.261
Background Pk Area (A-s): 0.037 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.135
Concentration (ug/L): 53.2 Corrected Conc (mg/kg): -----------

SL 6/7A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Mean Conc (ug/L): 53.3 SD: 0.17 RSD(%): 0.31
Corrected Conc (mg/kg): ----------

Recovery is 95.8% 96%

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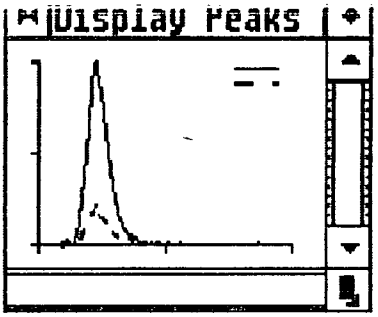

Mean Conc (ug/L): 22.1 SD: 0.02 RSD(%): 0.09
Corrected Conc (mg/kg): ----------

Recovery is 107.0% 107% (IDL = ~~0.4~~ 1)

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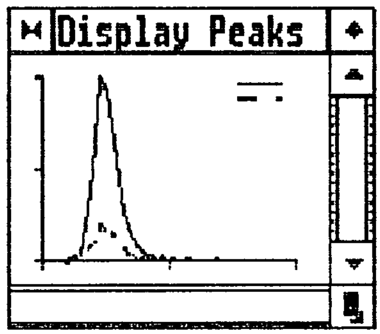
uL dispensed: 5 from 1, 4 from 6, 20 from 16
Replicate 2 (Peak Stored)   Time: 12:44
Peak Area (A-s): 0.067   Peak Height (A): 0.144
Background Pk Area (A-s): 0.016   Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 25.2   Corrected Conc (mg/kg): ----------

Fieldblk A



Mean Conc (ug/L): 24.9   SD: 0.50   RSD(%): 2.00
Corrected Conc (mg/kg): ----------

Recovery is 104.9%   105%

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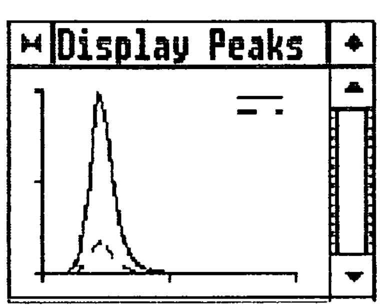
Pb ID: CCV   Seq. No.: 00024   A/S Pos.: 5   Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored)   Time: 12:47
Peak Area (A-s): 0.134   Peak Height (A): 0.300
Background Pk Area (A-s): 0.026   Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.132
Concentration (ug/L): 52.2   Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored)   Time: 12:50
Peak Area (A-s): 0.133   Peak Height (A): 0.295
Background Pk Area (A-s): 0.026   Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.131
Concentration (ug/L): 51.8   Corrected Conc (mg/kg): ----------


~~~~~~

Mean Conc (ug/L): 52.0 SD: 0.24 RSD(%): 0.46
Corrected Conc (mg/kg): -----------

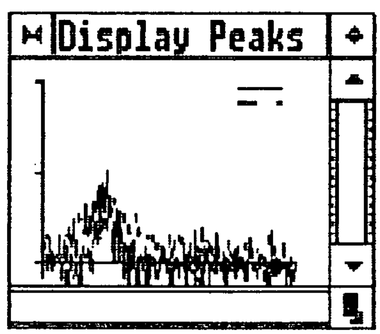
QC sample is within range 45.0 - 55.0 104%

Pb ID: CCB Seq. No.: 00025 A/S Pos.: 2 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2

Replicate 1 (Peak Stored) Time: 12:53
Peak Area (A-s): 0.002 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.1 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:56
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.3 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): -1.2 SD: 0.15 RSD(%): 11.71
Corrected Conc (mg/kg): -----------

QC sample is within range -3.0 - 3.0

Element File: SECLP.GEL Element: Se Wavelength: 196.0
Date: 09/02/94 Time: 12:55 Slit: 2.0 L
Data File: 0902SE.DAT ID/Wt File: 0902_AS.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 65

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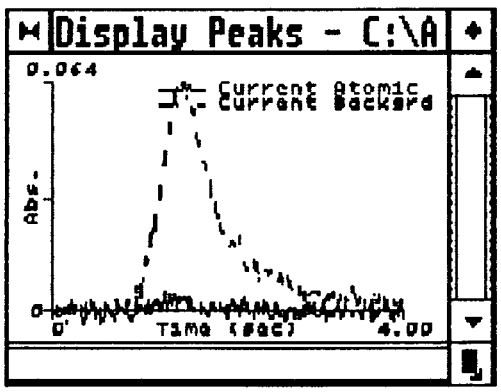
Se ID: Blank Seq. No.: 00001 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 12:57
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.002

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:59
Peak Area (A-s): 0.001 Peak Height (A): 0.006
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.001



Mean Pk Area (A-s): 0.002 SD: 0.0003 RSD(%): 18.44

Auto-zero performed.

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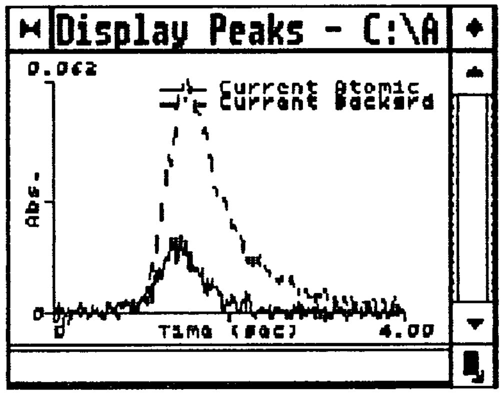
Se ID: 5 ppb std Seq. No.: 00002 A/S Pos.: 3 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 13:02
Peak Area (A-s): 0.012 Peak Height (A): 0.020
Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.010

uL dispensed: 4 from 2, 5 from 1, 20 from 3

Replicate 2 (Peak Stored)   Time: 13:04
Peak Area (A-s): 0.013   Peak Height (A): 0.021
Background Pk Area (A-s): 0.054   Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.011



Mean Pk Area (A-s): 0.011   SD: 0.0010   RSD(%): 8.99

Standard number 1 applied. [5.0]
Correlation coefficient: 1.00000   Slope: 0.0021   Int: -0.000

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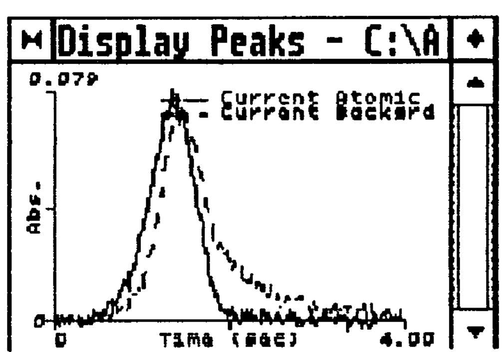
Se   ID: 25 ppb std   Seq. No.: 00003   A/S Pos.: 4   Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored)   Time: 13:06
Peak Area (A-s): 0.049   Peak Height (A): 0.080
Background Pk Area (A-s): 0.062   Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 22.5

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored)   Time: 13:09
Peak Area (A-s): 0.051   Peak Height (A): 0.079
Background Pk Area (A-s): 0.062   Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 23.1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Mean Conc (ug/L): 22.8 SD: 0.48 RSD(%): 2.13

Standard number 2 applied. [25.0]
Correlation coefficient: 0.99980 Slope: 0.0019 Int: 0.000

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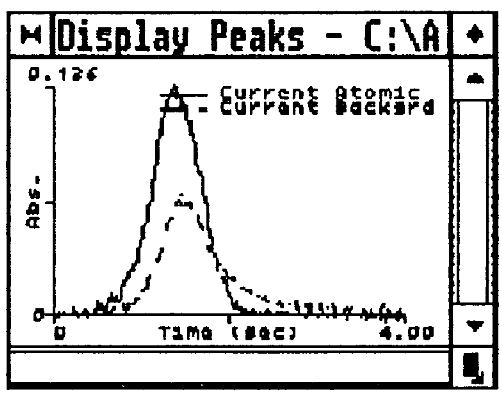
Se ID: 50 ppb std Seq. No.: 00004 A/S Pos.: 5 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 13:11
Peak Area (A-s): 0.099 Peak Height (A): 0.144
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 50.1

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 13:14
Peak Area (A-s): 0.093 Peak Height (A): 0.136
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 47.3



Mean Conc (ug/L): 48.7 SD: 1.96 RSD(%): 4.03

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99986 Slope: 0.0019 Int: 0.001
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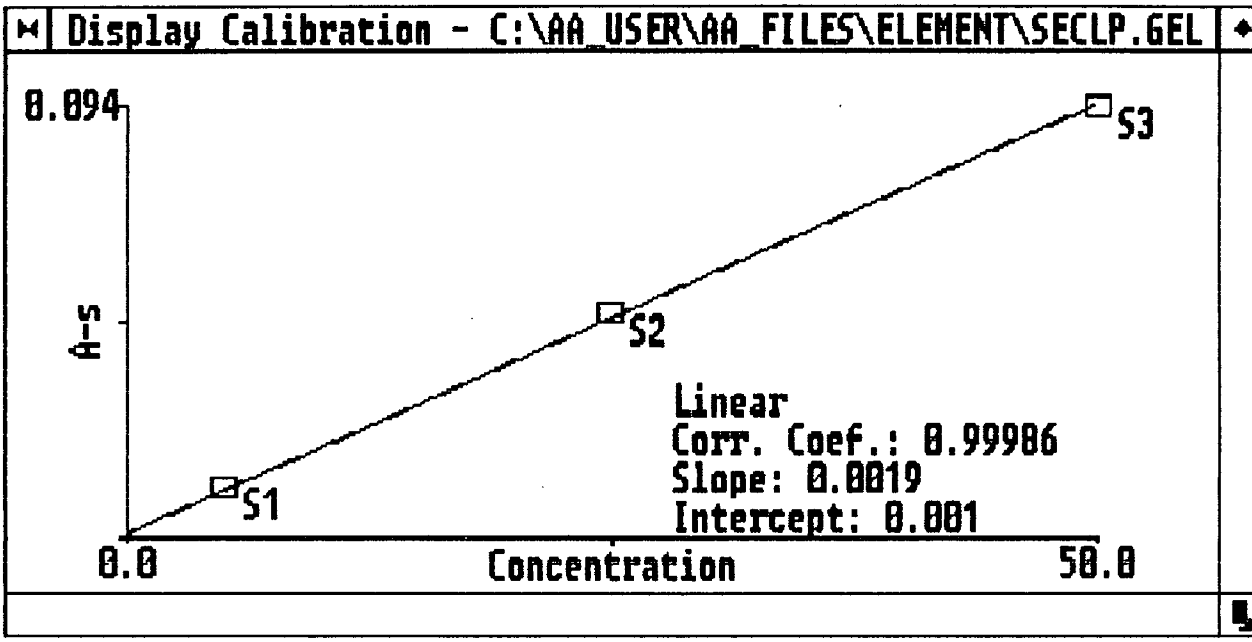


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Se     ID: ICV                  Seq. No.: 00005    A/S Pos.: 8     Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate  1 (Peak Stored)                Time: 13:28
Peak Area (A-s): 0.070                    Peak Height (A): 0.110
Background Pk Area (A-s): 0.062           Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.068
Concentration (ug/L  ): 36.0              Corrected Conc (mg/kg ): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate  2 (Peak Stored)                Time: 13:31
Peak Area (A-s): 0.076                    Peak Height (A): 0.119
Background Pk Area (A-s): 0.066           Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L  ): 39.0              Corrected Conc (mg/kg ): ----------
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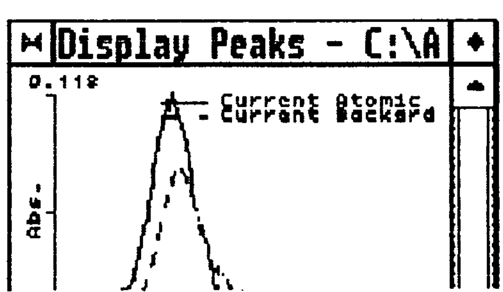

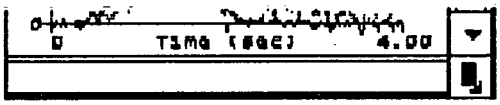

Mean Conc (ug/L): 37.5 SD: 2.09 RSD(%): 5.57
Corrected Conc (mg/kg): ----------

tv=40

94%

QC sample is within range 36.0 - 44.0

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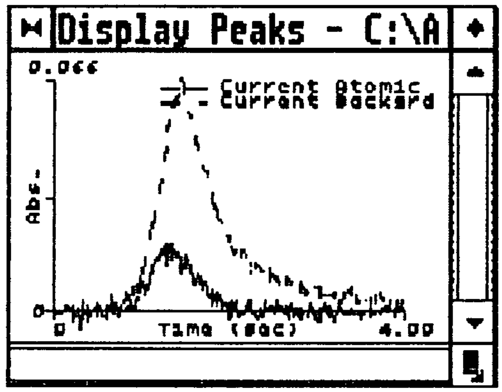
Replicate 2 (Peak Stored)   Time: 13:40
Peak Area (A-s): 0.012   Peak Height (A): 0.020
Background Pk Area (A-s): 0.056   Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.8   Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 4.9   SD: 0.05   RSD(%): 0.97
Corrected Conc (mg/kg): -----------

QC sample is within range 1.0 - 10.0   TV = 5.0

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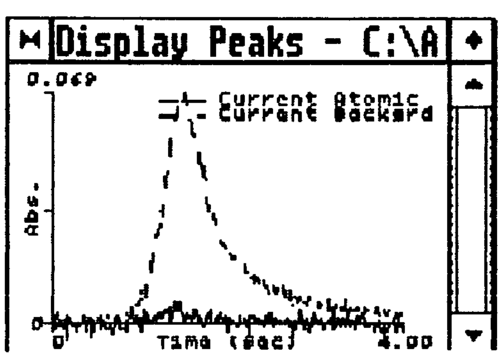
Se ID: PBLK-SOIL   Seq. No.: 00008   A/S Pos.: 10   Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 (Peak Stored)   Time: 13:43
Peak Area (A-s): 0.002   Peak Height (A): 0.008
Background Pk Area (A-s): 0.056   Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.0   Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 2 (Peak Stored)   Time: 13:45
Peak Area (A-s): 0.003   Peak Height (A): 0.007
Background Pk Area (A-s): 0.056   Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.4   Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 0.2 SD: 0.25 RSD(%): 134.27
Corrected Conc (mg/kg): ----------

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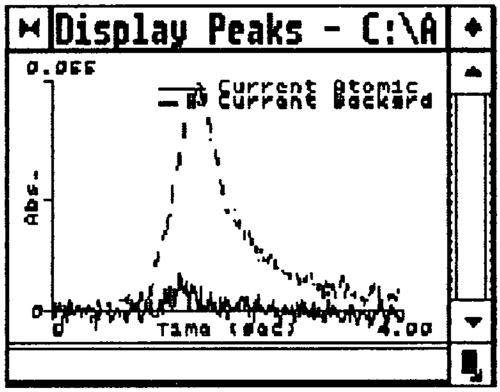
Background Pk Area (A-s): 0.050   Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.2   Corrected Conc (mg/kg): ----------

PBW



Mean Conc (ug/L): 0.1   SD: 0.34   RSD(%): 458.43
Corrected Conc (mg/kg): ----------

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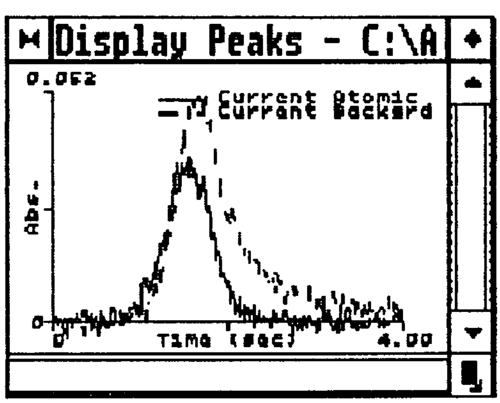
Se ID: PBLK-H2O   Seq. No.: 00011   A/S Pos.: 11   Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 11
Replicate 1 (Peak Stored)   Time: 13:57
Peak Area (A-s): 0.022   Peak Height (A): 0.037
Background Pk Area (A-s): 0.053   Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 10.4   Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 11
Replicate 2 (Peak Stored)   Time: 14:00
Peak Area (A-s): 0.023   Peak Height (A): 0.036
Background Pk Area (A-s): 0.044   Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 11.2   Corrected Conc (mg/kg): ----------

PBWA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Mean Conc (ug/L): 10.8 SD: 0.53 RSD(%): 4.96
Corrected Conc (mg/kg): ----------

Recovery is ~~107.0%~~ 108%

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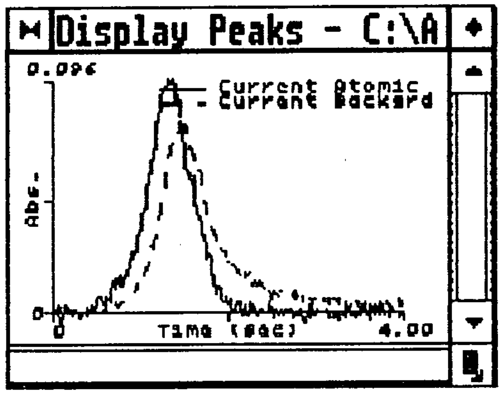
Concentration (ug/L): 31.1 Corrected Conc (mg/kg): ----------

post spike of 2x dilution tv=30



Mean Conc (ug/L): 30.8 SD: 0.34 RSD(%): 1.10
Corrected Conc (mg/kg): ----------

Recovery is 109.2%

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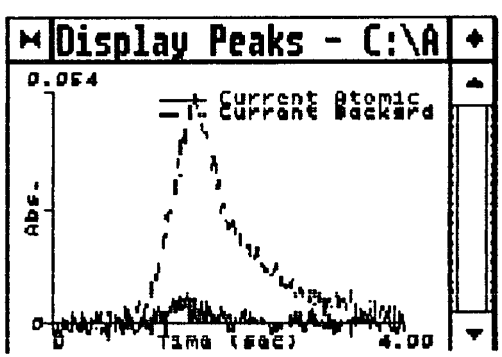
Se ID: FIELD BLK Seq. No.: 00014 A/S Pos.: 13 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 1 (Peak Stored) Time: 14:12
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.5 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 2 (Peak Stored) Time: 14:15
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.0 Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 0.3 SD: 0.34 RSD(%): 122.77
Corrected Conc (mg/kg): ----------

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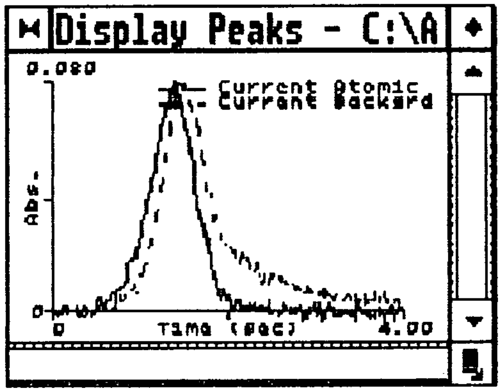
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 24.8 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 24.8 SD: 0.07 RSD(%): 0.28
Corrected Conc (mg/kg): ----------

QC sample is within range 22.5 - 27.5 99%

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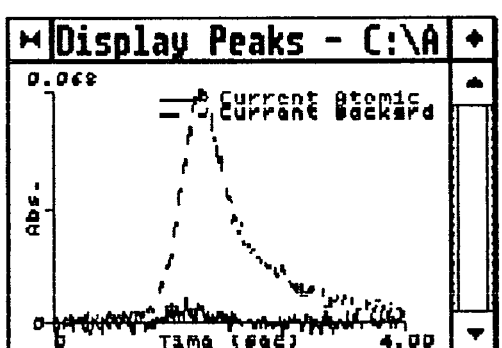
Se ID: CCB Seq. No.: 00017 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 14:28
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 14:31
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.1 Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): -0.1 SD: 0.02 RSD(%): 23.48
Corrected Conc (mg/kg): ----------

QC sample is within range -5.0 - 5.0

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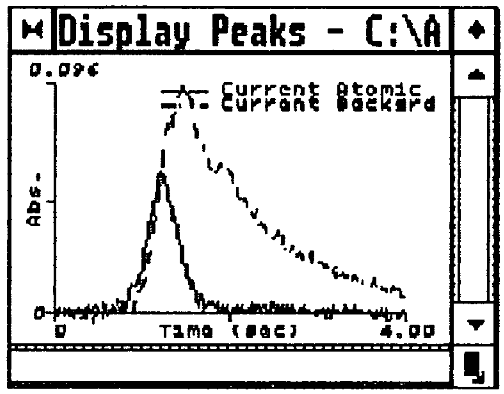
Concentration (ug/L): 14.0   Corrected Conc (mg/kg): ----------

SL-04A

W



Mean Conc (ug/L): 13.7   SD: 0.33   RSD(%): 2.38
Corrected Conc (mg/kg): ----------

Recovery is 116.0% (outside of specified limits)   OK Flag W

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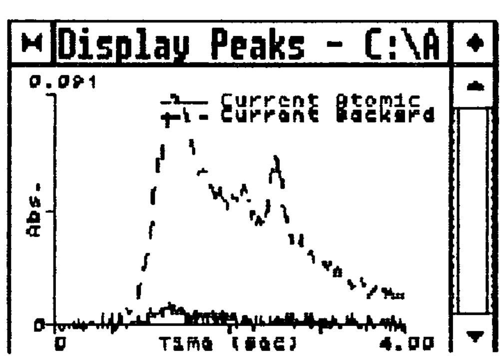
Se   ID: SL 6/7   Seq. No.: 00020   A/S Pos.: 15   Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 1 (Peak Stored)   Time: 14:43
Peak Area (A-s): 0.007   Peak Height (A): 0.010
Background Pk Area (A-s): 0.124   Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.2   Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 2 (Peak Stored)   Time: 14:45
Peak Area (A-s): 0.006   Peak Height (A): 0.009
Background Pk Area (A-s): 0.124   Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.1   Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 2.1 SD: 0.11 RSD(%): 5.13
Corrected Conc (mg/kg): ----------

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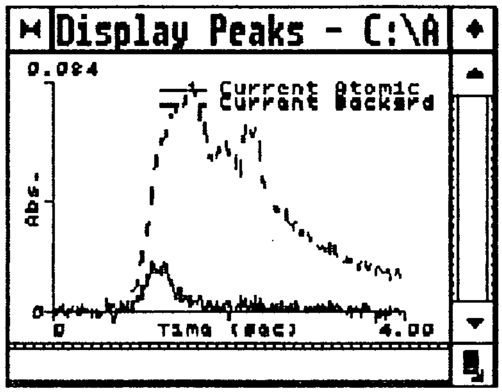
Background Pk Area (A-s): 0.127 Background Pk Height (A): 0.084
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.9 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 5.0 SD: 0.11 RSD(%): 2.24
Corrected Conc (mg/kg): ----------

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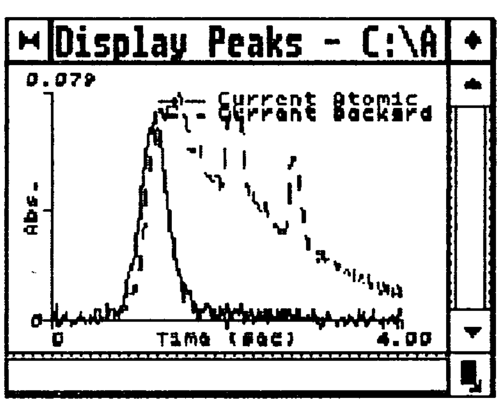
Se ID: SL-08 Seq. No.: 00023 A/S Pos.: 16 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 16
Replicate 1 (Peak Stored) Time: 14:58
Peak Area (A-s): 0.034 Peak Height (A): 0.076
Background Pk Area (A-s): 0.126 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.032
Concentration (ug/L): 16.9 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 16
Replicate 2 (Peak Stored) Time: 15:00
Peak Area (A-s): 0.033 Peak Height (A): 0.072
Background Pk Area (A-s): 0.123 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 16.1 Corrected Conc (mg/kg): ----------

SL-08A



0246
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Mean Conc (ug/L): 16.5 SD: 0.53 RSD(%): 3.22
Corrected Conc (mg/kg): ----------

Recovery is 115.2% (~~outside of specified limits~~)

OK

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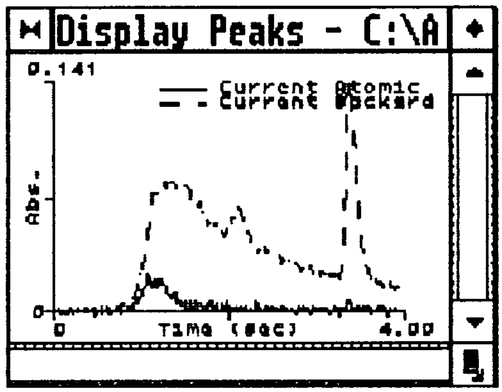
Concentration (ug/L): 5.8 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 5.3 SD: 0.68 RSD(%): 12.79
Corrected Conc (mg/kg): ----------

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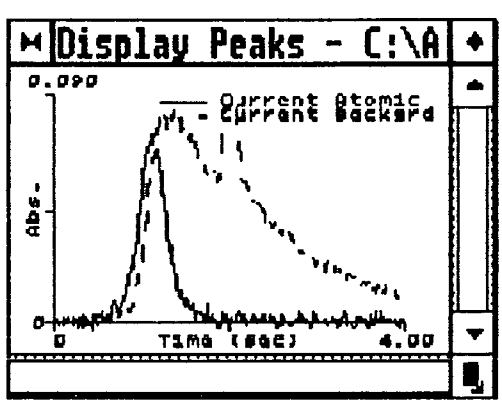
Se ID: SL-08 MSD Seq. No.: 00026 A/S Pos.: 18 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 18
Replicate 1 (Peak Stored) Time: 15:13
Peak Area (A-s): 0.031 Peak Height (A): 0.078
Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.085
Blank Corrected Pk Area (A-s): 0.029
Concentration (ug/L): 15.3 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 18
Replicate 2 (Peak Stored) Time: 15:15
Peak Area (A-s): 0.033 Peak Height (A): 0.075
Background Pk Area (A-s): 0.133 Background Pk Height (A): 0.090
Blank Corrected Pk Area (A-s): 0.031
Concentration (ug/L): 16.1 Corrected Conc (mg/kg): ----------

SL-08 MSDA



0248
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Mean Conc (ug/L): 15.7 SD: 0.59 RSD(%): 3.78
Corrected Conc (mg/kg): ----------

Recovery is 103.5%

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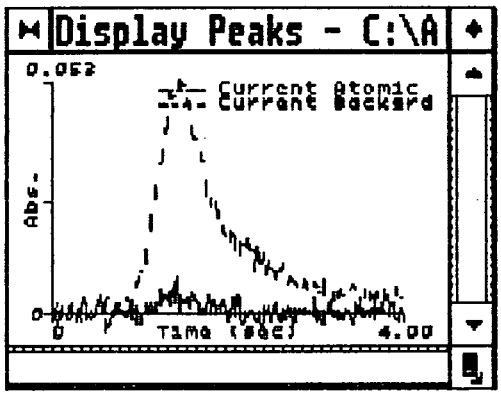
Background Pk Area (A-s): 0.050 Background Pk Height (A): 0.053
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.4 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): -0.0 SD: 0.54 RSD(%): 5035.42
Corrected Conc (mg/kg): ----------

QC sample is within range -5.0 - 5.0

Element File: TLCLP.GEL Element: Tl Wavelength: 276.8
Date: 09/06/94 Time: 09:45 Slit: 0.70 L
Data File: 0906TL.DAT ID/Wt File: UNTITLED Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 67

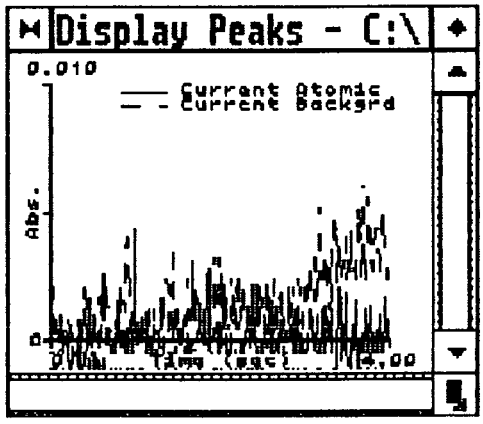
Tl ID: Seq. 00001 Seq. No.: 00001 A/S Pos.: -- Date: 09/06/94

Replicate 1 Time: 09:45
Peak Area (A-s): -0.001 Peak Height (A): 0.005
Background Pk Area (A-s): -0.001 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.6

Tl ID: BLANK Seq. No.: 00002 A/S Pos.: 2 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 09:48
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.0

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 09:51
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.3



0251

Mean Conc (ug/L): -0.1 SD: 0.23 RSD(%): 192.58

Auto-zero performed.

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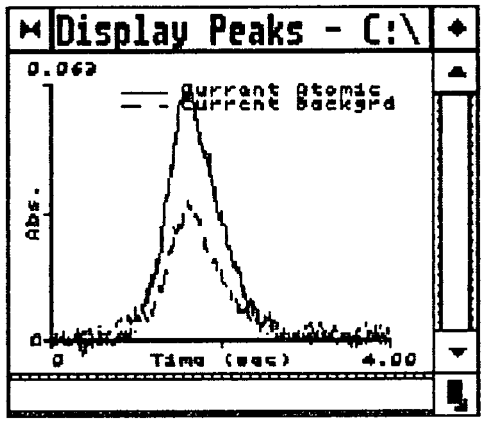

Mean Conc (ug/L): 25.7 SD: 0.68 RSD(%): 2.65

Standard number 2 applied. [25.0]
Correlation coefficient: 0.99992 Slope: 0.0019 Int: -0.000

Characteristic Mass = 47.4 pg/0.0044 A-s

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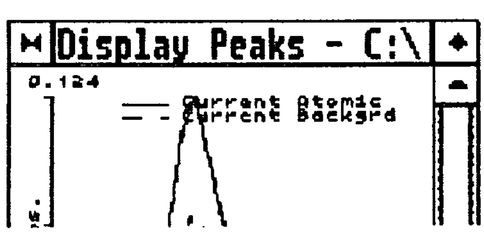
Tl ID: 50 PPB STD Seq. No.: 00005 A/S Pos.: 5 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 Time: 10:04
Peak Area (A-s): 0.094 Peak Height (A): 0.121
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.094
Concentration (ug/L): 49.9

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 10:06
Peak Area (A-s): 0.096 Peak Height (A): 0.124
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.096
Concentration (ug/L): 50.7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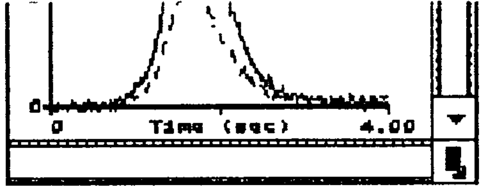
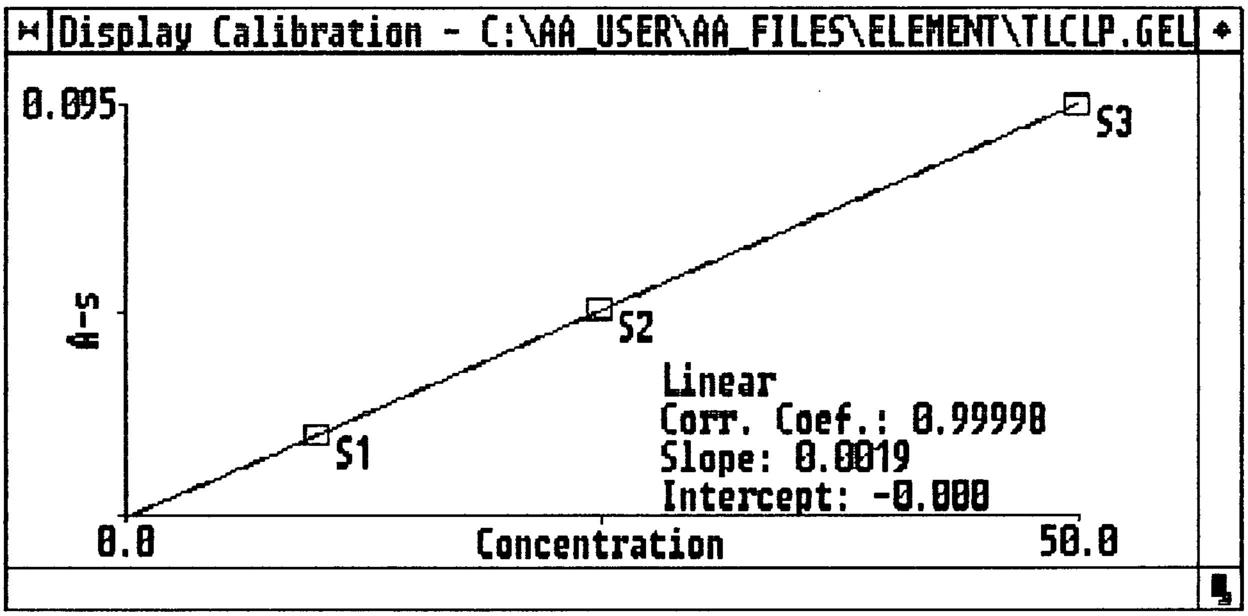


Mean Conc (ug/L): 50.3 SD: 0.59 RSD(%): 1.18

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99998 Slope: 0.0019 Int: -0.000



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Tl ID: ICV Seq. No.: 00006 A/S Pos.: 8 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8

Replicate 1 Time: 10:17
Peak Area (A-s): 0.076 Peak Height (A): 0.093
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 40.0

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 10:19
Peak Area (A-s): 0.079 Peak Height (A): 0.096
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 41.3
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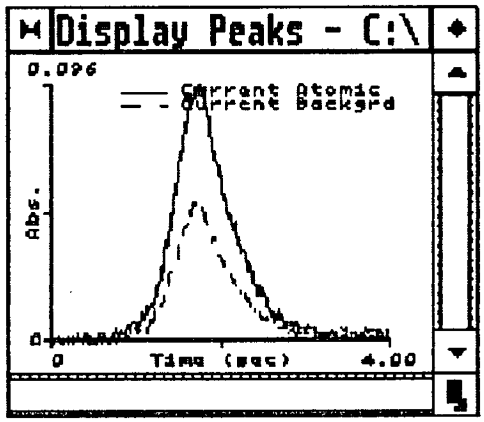

f.V. = 40

Mean Conc (ug/L): 40.7 SD: 0.91 RSD(%): 2.24

QC sample is within range 36.0 - 44.0 102%

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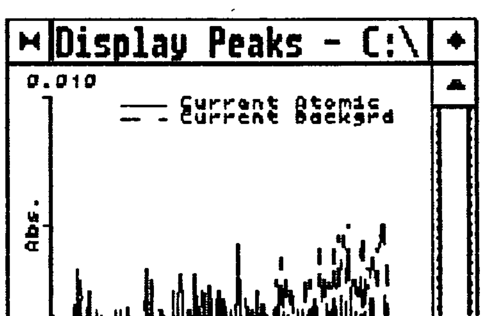
Tl ID: ICB Seq. No.: 00007 A/S Pos.: 2 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 10:22
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.1

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 10:25
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.4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Mean Conc (ug/L): 0.2 SD: 0.19 RSD(%): 90.09

QC sample is within range -10.0 - 10.0

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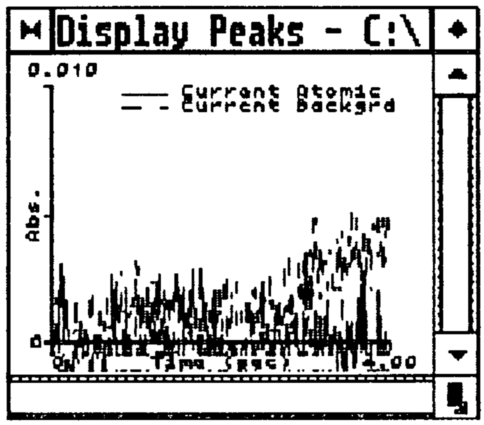
Peak Area (A-s): -0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4



Mean Conc (ug/L): -0.2 SD: 0.28 RSD(%): 155.95

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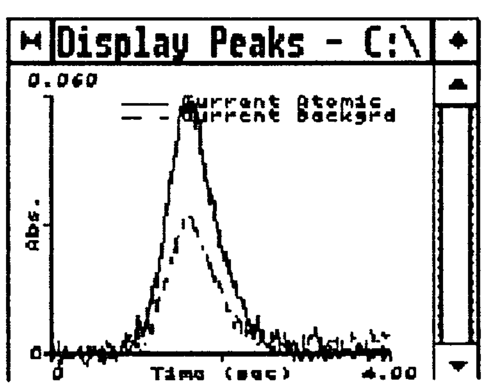
Tl ID: PBLK-SOIL Seq. No.: 00010 A/S Pos.: 10 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 1 Time: 10:38
Peak Area (A-s): 0.043 Peak Height (A): 0.062
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 22.5

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 2 (Peak Stored) Time: 10:40
Peak Area (A-s): 0.042 Peak Height (A): 0.060
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 22.1



PBSA
~~~~~~

Mean Conc (ug/L): 22.3 SD: 0.30 RSD(%): 1.36

Recovery is ~~112.5%~~

112% 111.5

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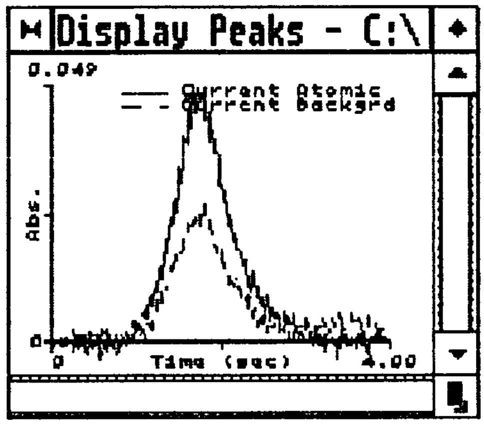
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 19.7



Mean Conc (ug/L): 20.1 SD: 0.49 RSD(%): 2.45

Recovery is 101.7% 101%

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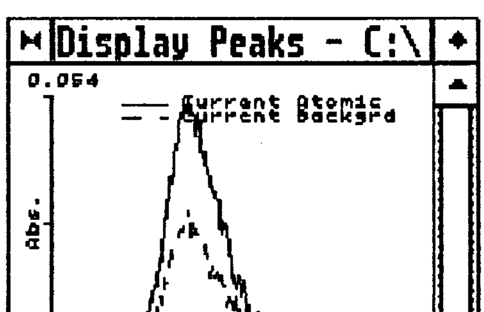
Tl ID: LCS Seq. No.: 00013 A/S Pos.: 12 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 1 Time: 10:54
Peak Area (A-s): 0.038 Peak Height (A): 0.051
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 19.9 Corrected Conc (ug/L): 39.8

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 2 (Peak Stored) Time: 10:56
Peak Area (A-s): 0.040 Peak Height (A): 0.054
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 20.8 Corrected Conc (ug/L): 41.7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Mean Conc (ug/L): 20.4 SD: 0.67 RSD(%): 3.31
Corrected Conc (ug/L): 40.7

2x dilution
t.v. = 40

102%

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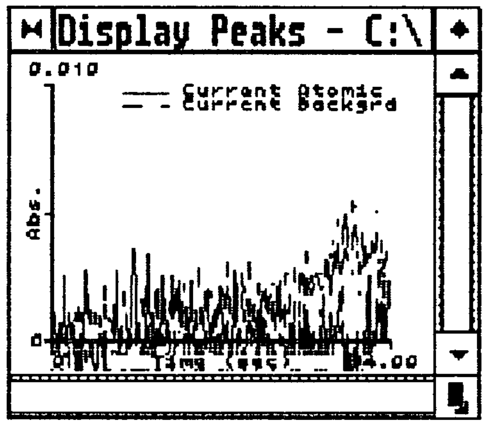
Replicate 2 (Peak Stored) Time: 11:07
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.2



Mean Conc (ug/L): 0.1 SD: 0.09 RSD(%): 104.47

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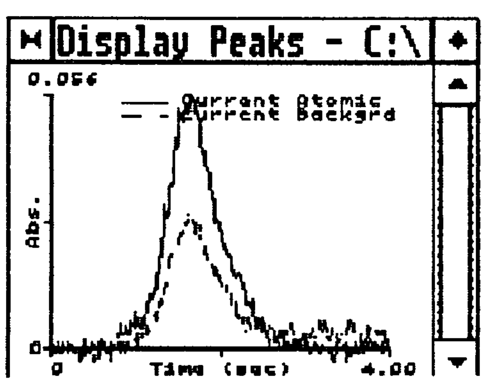
Tl ID: FIELD BLK Seq. No.: 00016 A/S Pos.: 13 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 13
Replicate 1 Time: 11:10
Peak Area (A-s): 0.041 Peak Height (A): 0.060
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.041
Concentration (ug/L): 21.6

uL dispensed: 5 from 1, 4 from 6, 20 from 13
Replicate 2 (Peak Stored) Time: 11:12
Peak Area (A-s): 0.042 Peak Height (A): 0.056
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.030
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 22.1



0261
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Mean Conc (ug/L): 21.9 SD: 0.35 RSD(%): 1.60

Recovery is ~~109.0%~~

FieldBlk A

110% 109.5

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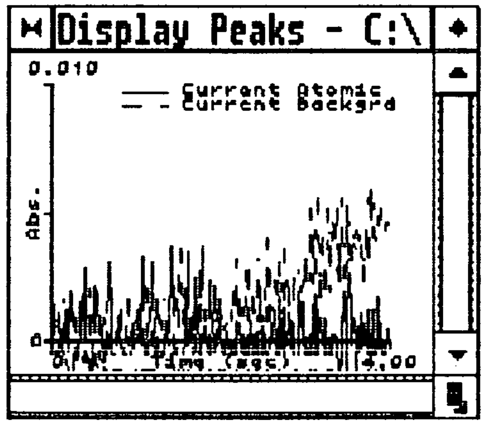
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.0



Mean Conc (ug/L): -0.4 SD: 0.51 RSD(%): 143.37

QC sample is within range -10.0 - 10.0

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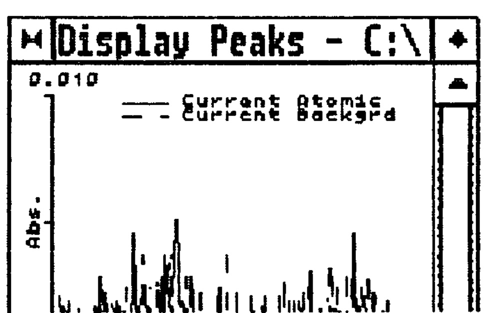
Tl ID: SL-04 Seq. No.: 00019 A/S Pos.: 14 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 1 Time: 11:26
Peak Area (A-s): 0.000 Peak Height (A): 0.005
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.2

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 2 (Peak Stored) Time: 11:28
Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.5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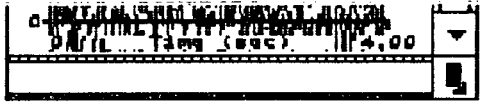

Mean Conc (ug/L): 0.4 SD: 0.22 RSD(%): 56.60

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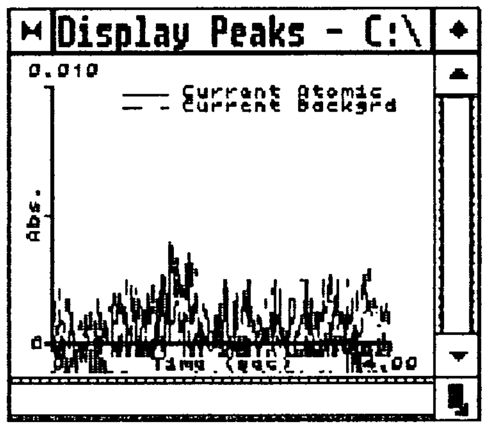
uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 2 (Peak Stored) Time: 11:39
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.3



Mean Conc (ug/L): 0.4 SD: 0.12 RSD(%): 30.37

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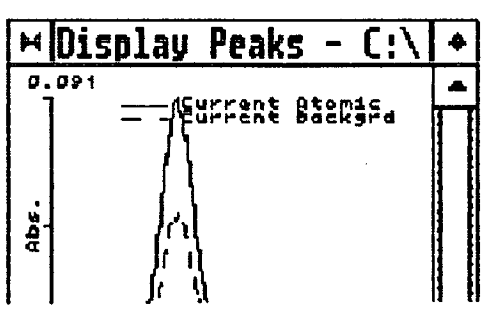
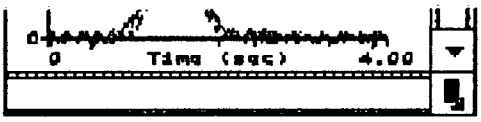
Tl ID: SL 6/7 Seq. No.: 00022 A/S Pos.: 15 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 15
Replicate 1 Time: 11:42
Peak Area (A-s): 0.043 Peak Height (A): 0.088
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 22.6

uL dispensed: 5 from 1, 4 from 6, 20 from 15
Replicate 2 (Peak Stored) Time: 11:45
Peak Area (A-s): 0.045 Peak Height (A): 0.091
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 23.6


~~~~~~



Mean Conc (ug/L): 23.1 SD: 0.69 RSD(%): 2.97

Recovery is 113.6%

SL 6/7 A

116% W

OK Flag

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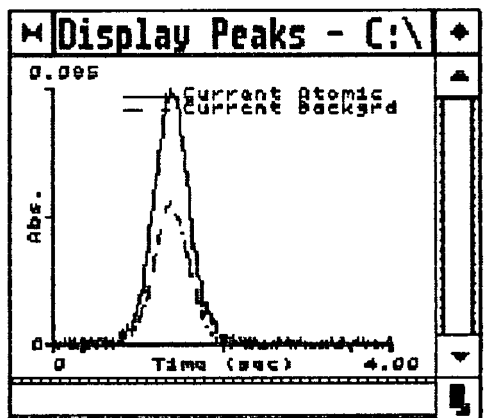
Peak Area (A-s): 0.044 | Peak Height (A): 0.085
Background Pk Area (A-s): 0.025 | Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): 0.043
Concentration (ug/L): 23.0

SL-08A



114.5

Mean Conc (ug/L): 22.9 SD: 0.14 RSD(%): 0.59

Recovery is ~~110.4~~% 117% (IDL = 0.7)

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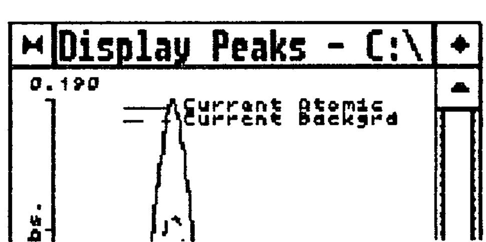
Tl ID: SL-08 MS Seq. No.: 00025 A/S Pos.: 17 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 1 | Time: 11:58
Peak Area (A-s): 0.100 | Peak Height (A): 0.186
Background Pk Area (A-s): 0.057 | Background Pk Height (A): 0.107
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 52.4

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 2 (Peak Stored) | Time: 12:01
Peak Area (A-s): 0.100 | Peak Height (A): 0.190
Background Pk Area (A-s): 0.055 | Background Pk Height (A): 0.104
Blank Corrected Pk Area (A-s): 0.100
Concentration (ug/L): 52.6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Mean Conc (ug/L): 52.5 SD: 0.15 RSD(%): 0.28

predigested MS
+V = 50ppb

103%

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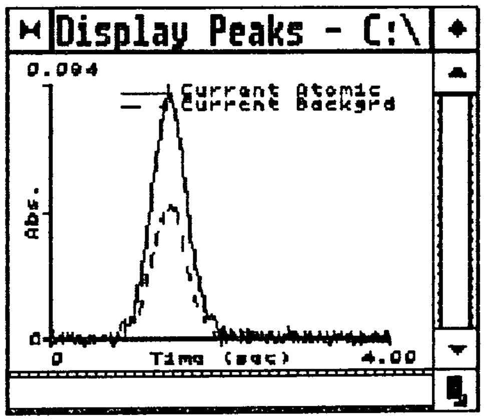
Peak Area (A-s): 0.042 Peak Height (A): 0.084
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.042
Concentration (ug/L): 22.3

SL-08MSD A



Mean Conc (ug/L): 22.8 SD: 0.66 RSD(%): 2.89

Recovery is ~~110.4%~~ 114%. 114

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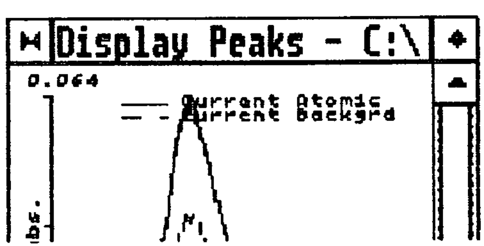
Tl ID: CCV Seq. No.: 00028 A/S Pos.: 4 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 12:15
Peak Area (A-s): 0.050 Peak Height (A): 0.070
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 26.3

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 12:17
Peak Area (A-s): 0.049 Peak Height (A): 0.064
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 26.0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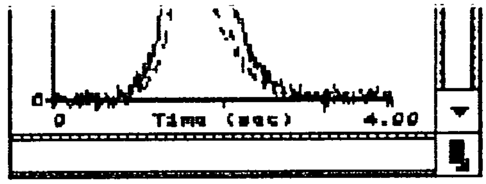

Mean Conc (ug/L): 26.2 SD: 0.21 RSD(%): 0.80

QC sample is within range 22.5 - 27.5

105%

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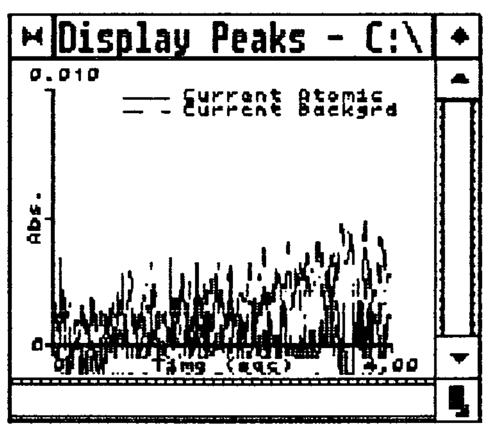
T1 ID: CCB Seq. No.: 00029 A/S Pos.: 2 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 12:20
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.7

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:22
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.5



Mean Conc (ug/L): 0.6 SD: 0.15 RSD(%): 24.28

QC sample is within range -10.0 - 10.0
~~~~~~

on: 12:20 95°C off: 12:50 95°C

3:00
5:00

S

9/21/94 DES Hg - E0831.02 soils - Retec CLP

Bottle #	Sample	wt.	vol.	%T	ppb
21	Blank		100ml	99%	
48	0.5ppb Std			95.5%	
9	1ppb Std			92%	
89	5ppb Std			68%	
55	10ppb Std			48%	
180	ICV			67%	5.20ppb 104%R
177	ICB			99%	0.02ppb
219	CRA			98%	0.15ppb
26	prep Blank	0.234g crushed glass		99%	0.02ppb
12	LCS	0.222g crushed glass		67.5%	5.10ppb 102%
229	SL-04	0.226g		98%	0.15ppb
184	SL-6/7	0.222g		98%	0.15ppb

on: 1:00 95°C off: 1:30 95°C

9/21/94 DES Hg continued - E0831-02 soils Retec Cl

Bottle#	Sample	wt	vol.	% I	ppb
23	SL-08	0.211g	100ml	94.5%	0.63ppb
29	SL-08MS	0.212g		79.5%	2.93ppb 92%R
176	SL-08MSD	0.209g		95%	0.56ppb
35	CCV			82.5%	2.44ppb 98%
203	CCB			99%	0.02ppb

0273

HG CALIBRATION AND CALCULATIONS

DATE : 9/21/94

STD. CONC, PPB	% TRANSMITTANCE	ABSORBANCE	PREDICTED CONC., PPB
0.0	99.0	0.0044	0.00
0.5	95.5	0.0200	0.49
1.0	92.0	0.0362	0.99
5.0	68.0	0.1675	5.00
10.0	48.0	0.3188	9.63

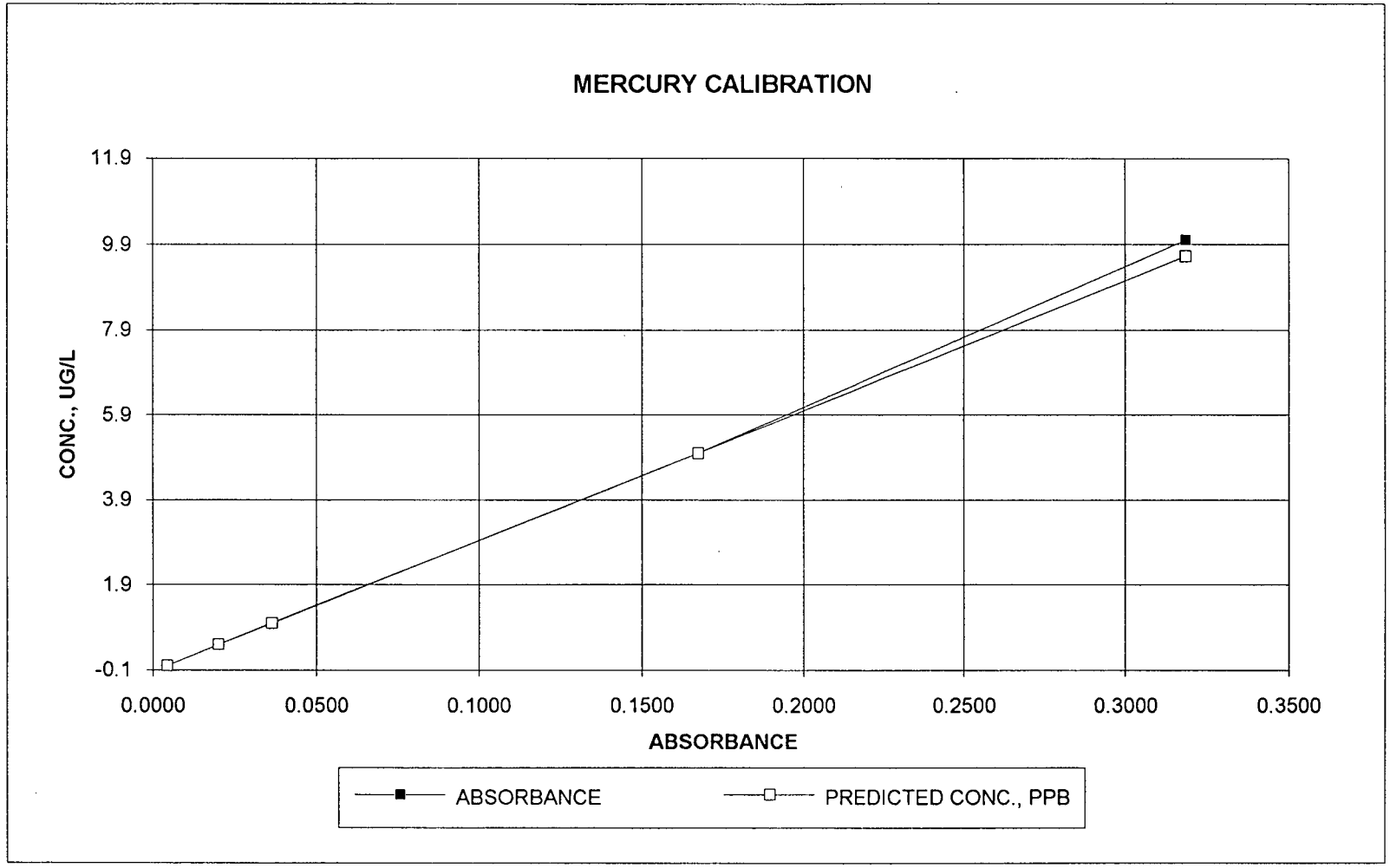
Regression Statistics

Multiple R	0.999986987
R Square	0.999973974
Adjusted R Square	0.99996096
Standard Error	0.014287905
Observations	4

Analysis of Variance

	df	*Sum of Squares*	*Mean Square*	*F*	*ignificance F*
Regression	1	15.68709171	15.68709171	76843.18	1.3E-05
Residual	2	0.000408288	0.000204144		
Total	3	15.6875			

	Coefficients	*Standard Error*	*t Statistic*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-0.118298161	0.00951763	-12.42937148	0.001122	-0.15925	-0.07735
x1	30.57550262	0.110298838	277.2060279	1.04E-07	30.10092	31.05008


MERCURY CALIBRATION
CONC., UG/L
11.9
9.9
7.9
5.9
3.9
1.9
-0.1
0.0000
0.0500
0.1000
0.1500
0.2000
0.2500
0.3000
0.3500
ABSORBANCE
ABSORBANCE
PREDICTED CONC., PPB

0275

CALCULATIONS:

SAMPLE	%T	ABS	CONC, PPB
ICV	67	0.1739	5.20
ICB	99	0.0044	0.02
CRA	98	0.0088	0.15
PREP BLANK	99	0.0044	0.02
LCS	67.5	0.1707	5.10
SL-04	98	0.0088	0.15
SL-6/7	98	0.0088	0.15
SL-08	94.5	0.0246	0.63
SL-08 MS	79.5	0.0996	2.93
SL-08 MSD	95	0.0223	0.56
CCV	82.5	0.0835	2.44
CCB	99	0.0044	0.02
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		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!

on: 1 30 95°C off: 3:30 95°C

START 4:30

Finish 5:30

W

9/16/94 DES Hg - E0831-02 Field Blk - Retec CLP

all ↑100ml

Bottle #		%T	ppb	
177	Blank	99%		
21	0.5ppb Std	94.5%		
9	1 ppb Std	91%		
89	5 ppb Std	65%		
55	10 ppb Std	43%		
180	ICV	65%	5.03ppb	101%R
35	ICB	98.5%	0.03ppb	
225	CRA	97.5%	0.16ppb	
206	Prep Blank SV = 100ml	99%	−0.03ppb	
176	E0831-02 Field Blank SV = 100ml	98.5%	0.03ppb	
34	CCV	66.5%	4.75ppb	95%R
48	CCB	98.5%	0.03ppb	

0277

HG CALIBRATION AND CALCULATIONS

DATE : 9/16/94

STD. CONC, PPB	% TRANSMITTANCE	ABSORBANCE	PREDICTED CONC., PPB
0.0	99.0	0.0044	0.00
0.5	94.5	0.0246	0.53
1.0	91.0	0.0410	0.98
5.0	65.0	0.1871	5.03
10.0	43.0	0.3665	9.99

Regression Statistics

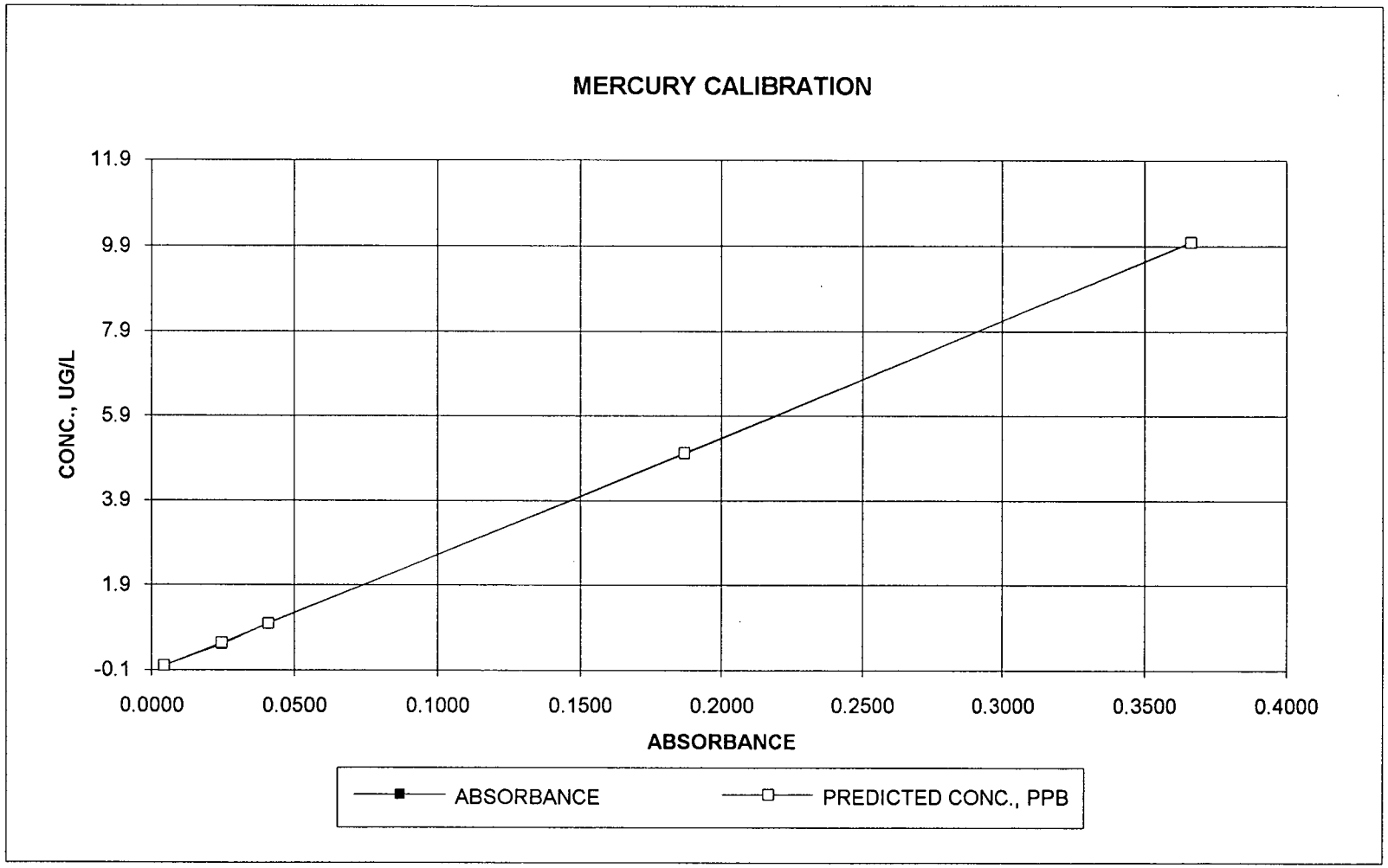
Multiple R	0.999980726
R Square	0.999961452
Adjusted R Square	0.999948602
Standard Error	0.030374129
Observations	5

Analysis of Variance

	df	*Sum of Squares*	*Mean Square*	*F*	*ignificance F*
Regression	1	71.79723224	71.79723224	77821.58	1.02E-07
Residual	3	0.002767763	0.000922588		
Total	4	71.8			

	Coefficients	*Standard Error*	*t Statistic*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-0.148322395	0.018366133	-8.075864124	0.001277	-0.20677	-0.08987
x1	27.65251194	0.099125312	278.9651934	9.91E-10	27.33705	27.96797

0278


MERCURY CALIBRATION
CONC., UG/L
11.9
9.9
7.9
5.9
3.9
1.9
-0.1
0.0000
0.0500
0.1000
0.1500
0.2000
0.2500
0.3000
0.3500
0.4000
ABSORBANCE
ABSORBANCE
PREDICTED CONC., PPB

0279

CALCULATIONS:

SAMPLE	%T	ABS	CONC, PPB
ICV	65	0.1871	5.03
ICB	98.5	0.0066	0.03
CRA	97.5	0.0110	0.16
PREP BLANK	99	0.0044	-0.03
E0831-02 FIELD BLANK	98.5	0.0066	0.03
CCV	66.5	0.1772	4.75
CCB	98.5	0.0066	0.03
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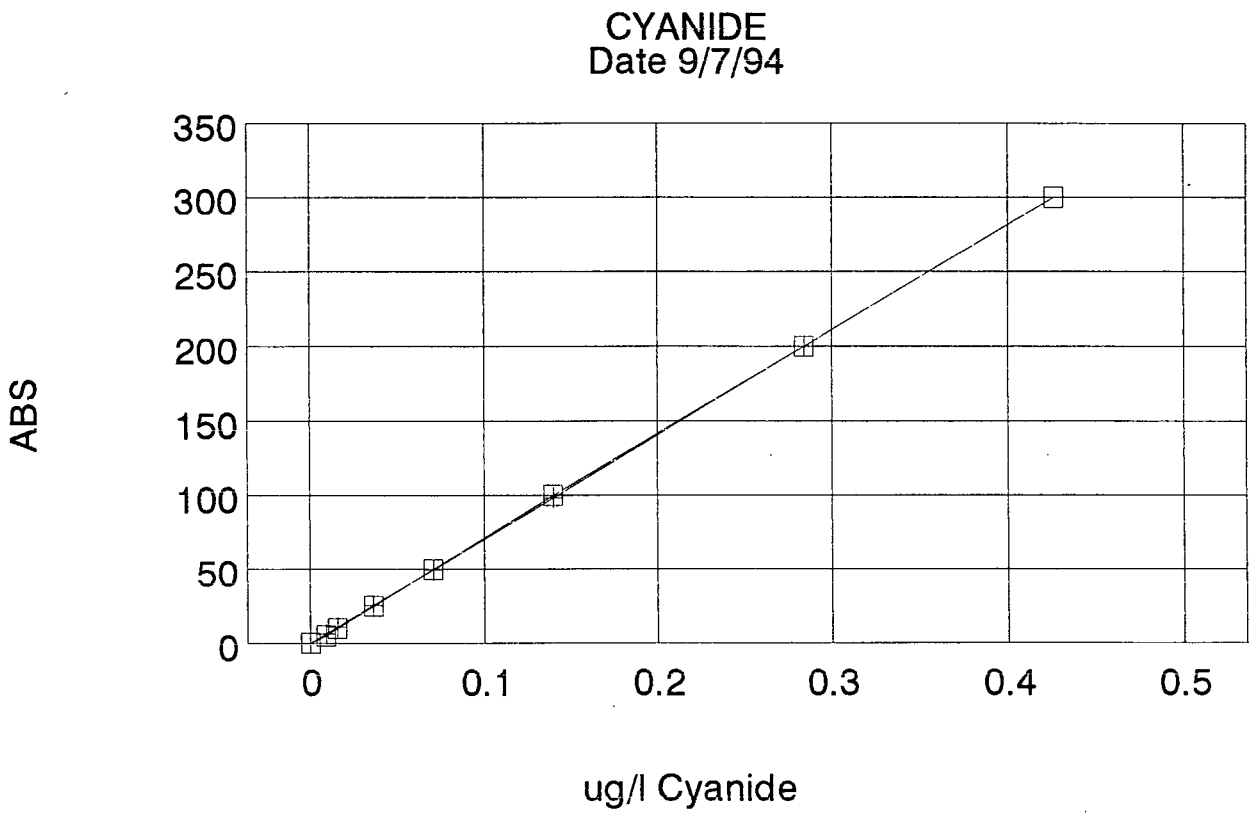
Regression Output:



ug/l CN	'PERCENT	ABSORB	ACTUAL CN	Regression	Regression Output:	
0	100	0	0	Constant		0
5	98	0.008773	6.185469	Std Err of Y Est		0.851661
10	96.5	0.015472	10.90798	R Squared		0.999939
25	92	0.036212	25.52897	No. of Observations		8
50	85	0.070581	49.75847	Degrees of Freedom		7
100	72.5	0.139661	98.45937			
200	52	0.283996	200.2128	X Coefficient(s)	704.9832	
300	37.5	0.425968	300.3008	Std Err of Coef.	1.586376	

SAMPLE		]ABSORB	UG/L CN	S. WT	% SOLIDS	MG/KG	DET LIMIT
ICV 100 PPB	73	0.136677	96.35509		96	ERR	ERR
ICB	100	0	0			ERR	ERR
DIG BK	100	0	0			ERR	ERR
TB-1	100	0	0			ERR	ERR
SL-04	99	0.004364	3.077114	5.029	85.1 ~~88~~	0.069531	0.225962
SL-6/7	99.5	0.002176	1.534691	4.894	83.5 ~~83~~	0.037781	0.246182
SL-08	98	0.008773	6.185469	5.019	84.1 ~~74~~	0.166542	0.269247
SL-08 MS	3	1.522878	1073.604	4.791	73	30.69694	0.285924
SL-08 MSD	99	0.004364	3.077114	5.042	76.7 ~~77~~	0.079259	0.257576
DIG STD 100	73.5	0.133712	94.26519	94		ERR	ERR
CCV	73	0.136677	96.35509	96		ERR	ERR
CCB	100	0	0			ERR	ERR
CCV 50 PPB	85	0.070581	49.75847	100		ERR	ERR
CCB	100	0	0			ERR	ERR
DIG BK	100	0	0			ERR	ERR
DIG KNOEN100	73	0.136677	96.35509	96		ERR	ERR
SL-08 MS 10X spike	66	0.180456	127.2185	4.791	73	3.637485	0.285924
CCV 50 PPB	85	0.070581	49.75847			36.4 ERR	ERR
CCB	100	0	0			ERR	ERR
		ERR	ERR			ERR	ERR
						ERR	ERR
						ERR	ERR
						ERR	ERR
						ERR	ERR
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						ERR	ERR
						ERR	ERR
						ERR	ERR
						ERR	ERR
						ERR	ERR

spike 35.7m
Found 36.4

102% Rec

0.693

T. Cyanide

9/7/94
DHP

	Seq		DI	mlout		
	0	0	500ml	100		
	1	S5			98 ~~97~~	13:00
	2	S10			96.5	13:00
	3	S25			92 ~~97~~	13:00
	4	S50			85 ~~97~~	13:01
	5	S100			72.5	13:01
	6	S200			52 ~~97~~	13:01
	7	S300			37.5 ~~97~~	13.02
=2	8	ICV			73 ~~97~~	13.20
100ug/l	9	ICB			100 ~~97~~	13.20
#1	10	Digst BK			100	1320
#3	11	TB-1			100	13:21
(4)	12	SL-04			99	13:21
(5)	13	SL-07			99.5	13:21
(6)	14	SL-08			98	13:22
(7)	15	SL-08 ms			39 ~~97~~	13:22
(8)	16	SL-08 Dup.			99 ~~97~~	13:22
(11)	17	Digst Std 100 50ppb			73.5	13:30
	18	CCV			73	13:30
	19	CCB			100	13:30
	20	CCV 50ppb			85	13:31
	21	CCB			100	13:31
	22	BK			100	13:31
	23	Std Khôn			73 ~~97~~	13:32
	24	SL-08			2120 10X	66 13:32
		CCV 50ppb			85	13.32
		CCB			100	13.33

0282

9/1/94 DES SPEX Std's used for CCV (½ Cal Std)

Source: SPEX ICAL-1, ICAL-2, ICAL-3, ICAL-4

2.5% HCl 5% HNO_3

CCV: 5ml ICAL-1
1ml ICAL-2
0.5ml ICAL-3
5ml ICAL-4
} ↑100ml

Concentrations (mg/L):

Al	10
Ba	10
Be	0.25
Cd	2.5
Ca	250
Cr	1.00
Co	2.5
Cu	1.25
Fe	5
Pb	2.5
Mg	250
Mn	1.5
Ni	4.0
K	250
Ag	1.00
Na	250
V	2.5
Zn	2.0

9/1/94 DES CLP Calibration

2.5% HCL 5% HNO3

Source: SPEX ICAL-1, ICAL-2, ICAL-3, ICAL-4

Cal Std: 10ml ICAL-1
2ml ICAL-2
1ml ICAL-3
10ml ICAL-4
} ↑100ml

Concentrations (mg/L):

Al	20
Ba	20
Be	0.5
Cd	5
Ca	500
Cr	2
Co	5
Cu	2.5
Fe	10
Pb	5
Mg	500
Mn	3
Ni	8
K	500
Ag	2
Na	500
V	5
Zn	4

9/1/94 Leeman Std's used for ICV

2.5% HCL 5% HNO_3

Source: Leeman CLPstd1, CLPstd 2, CLPstd 3, CLPstd4

ICV: 10ml CLP std 1
2ml CLP std 2
1ml CLP std 3
10ml CLP std 4
} ↑ 100ml

Concentrations (mg/L):

Al	20.01
Ba	20.01
Be	0.500
Cd	~~0.501~~ Dec 5.01
Ca	500
Cr	2.046
Co	5.006
Cu	2.503
Fe	10.02
Pb	5.00
Mg	500
Mn	3.00
Ni	8.00
K	500
Ag	2.016
Na	500.1
V	5.001
Zn	3.998

8/31/94 DES

ICP LCS (digested ICV):

10ml Leeman CLP std-1; 2ml CLP std-2;
1ml CLP std-3; 10ml Leeman CLP std-4 ↗ 100ml

Furnace LCS for Pb, Se, Tl:

4ml 100X Spex QC-19 ↗ 100ml (final conc = 40ppb)
(1ml Spex QC-19 ↗ 100ml)

Furnace LCS for As:

4ml 100X Leeman CLP std-4 ↗ 100ml (final conc = 40ppb)
(1ml Leeman CLP-4 ↗ 100ml)

ICP LCS for Sb:

1ml Spex QC-19 ↗ 100ml (final conc = 1ppm)

ICP spike:

3ml Spex spike-1 ↗ 200ml

Furnace spike:

10ml 100X (1mg/ml) Spex ICAL-4 ↗ 200ml
(1ml Spex ICAL-4 ↗ 100ml)
(final conc As, Tl = 50ppb
Se, Pb = 25ppb

9/9/94 DES

Ag CLP Std's:

Cal Std: 2.5% HCL 5% HNO_3
2ml SPEX ICAL-2 1/100ml Ag = 2ppm

ICV Std: 2.5% HCL 5% HNO_3
2ml Leeman CLP std 2 1/100ml Ag = 2ppm

CCV Std: 2.5% HCL 5% HNO_3
1ml Spex ICAL-2 1/100ml Ag = 1ppm

9/7/94 DES

Sb cal. Std (Johnson Matthey) 2.5% HCL 5% HNO_3

10ppm Sb : 1ml 1000ppm Sb ↗ 100ml

Sb CCV (Johnson Matthey) 2.5% HCL 5% HNO_3

5ppm Sb : 0.5ml 1000ppm Sb ↗ 100ml

Sb ICV (SPEX QC-19) 2.5% HCL 5% HNO_3

1ppm Sb : 1ml 100ppm Sb Spex QC-19 ↗ 100ml

CRI ~~[illegible]~~ Spex 120

RCD 10/12/9
DE

SPEX

ISO 9001

CERTIFICATE OF ANALYSIS

Catalog Number: ICAL-4

Description: Instrument Calibration Standard 4

Lot Number: 6-109AS

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
As	100	99.95			
Cd	50	49.92			
Pb	50	49.92			
Se	50	49.90			
Tl	100	100.69			

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

As: NIST 3103 Cd: NIST 3108 Pb: NIST 3128 Se: NIST 3149
Tl: NIST 3158.

Spex Reference Multi: Lot #1-94BDREF, 6-74AS, 5-134AS, 4-261AS

Balances are calibrated with NIST weight sets N.J. #92589 and #92550, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager, Date: OCT 94

SPEX

Printed on Recycled Paper

SPEX INDUSTRIES, INC. 3880 PARK AVE. EDISON, N.J. 08820 908-549-7144 FAX: 908-603-9647

SPEX

CERTIFICATE OF ANALYSIS

Rec'd 1/21/94

Catalog Number: CRDL-1

Description: Contract Required D.L. Standard

Lot Number: 6-87AS

1500X

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
Sb	120	120.52	Mn	30	30.01
As	20	20.11	Ni	80	79.99
Be	10	9.97	Se	10	10.16
Cd	10	10.08	Ag	20	20.10
Cr	20	20.07	Tl	20	20.08
Co	100	100.36	V	100	100.30
Cu	50	50.00	Zn	40	40.17
Pb	6	6.14			

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

Sb: NIST 3102	As: NIST 3103	Be: NIST 3105	Cd: NIST 3108
Cr: NIST 3112	Co: NIST 3113	Cu: NIST 3114	Pb: NIST 3128
Mn: NIST 3132	Ni: NIST 3136	Se: NIST 3149	Ag: NIST 3151
Tl : NIST 3158	V : NIST 3165	Zn: NIST 3168	

Spex Reference Multi: Lot #1-88BDREF, 5-165AS, 4-242AS

Balances are calibrated with NIST weight sets N.J. #76552, #76543, #82395, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager Date: JAN 94

SPEX

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SPEX

CERTIFICATE OF ANALYSIS

Rec'd 1/21/94

Catalog Number: SPIKE-1

Description: Spike Sample Standard

Lot Number: 6-88AS

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
Al	200	200.92	Fe	100	100.42
Sb	50	50.50	Pb	50	50.10
As	200	201.22	Mn	50	49.91
Ba	200	200.91	Ni	50	50.00
Be	5	4.96	Se	200	200.96
Cd	5	5.04	Ag	5	4.96
Cr	20	20.07	Tl	200	201.78
Co	50	50.08	V	50	50.13
Cu	25	25.36	Zn	50	49.92

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

Al: NIST 3101, Sb: NIST 3102, As: NIST 3103, Ba: NIST 3104,
Be: NIST 3105, Cd: NIST 3108, Cr: NIST 3112, Co: NIST 3113,
Cu: NIST 3114, Fe: NIST 3126, Pb: NIST 3128, Mn: NIST 3132,
Ni: NIST 3136, Se: NIST 3149, Ag: NIST 3151, Tl: NIST 3158,
V : NIST 3165, Zn: NIST 3168.

Spex Reference Multi: Lot #1-79BDREF, 5-154AS, 4-257AS

Balances are calibrated with NIST weight sets N.J. #76552, #76543, #82395, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager Date: JAN 94

SPEX

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SPEX INDUSTRIES, INC. 3880 PARK AVE. EDISON, N.J. 08820 908-549-7144 FAX: 908-603-9647

Arsenic

Supplier : Spex plas 2 - 2x at 1000 ug/ml (ppm)
Lot # : 3 - 105 AS expires — 10/31/94
Rec'd : 10/21/93

Stock conc. — 10 ppm
Perform 100x dilution on 1000 ug/ml Stock as follows:

1 ml 1000 ug/ml AS ↑ 100 ml in 2% HNO_3
Dates prepared — 10/21/93 sm

Working Standard Template

100 ppb = 1 ml 10 ppm Stock ↑ 100 ml in 2% HNO_3
50 ppb = 0.5 ml 10 ppm Stock ↑ 100 ml in 2% HNO_3
25 ppb = 25 ml of 50 ppb Std ↑ 50 ml in 2% HNO_3
10 ppb = 2 ml of 50 ppb Std ↑ 10 ml

	Dates prepared	Concentrations
sm	3/18/94, 3/25/94, 3/29/94, 4/6/94, 4/11/94, 4/13/94, 4/20/94, 4/25/94, 5/2/94, 5/10/94, 5/16/94, 5/20/94, 5/24/94, 6/30/94, 7/12/94, 8/5/94, 8/16/94, 9/1/94, 10/5/94	10 ppb, 25 ppb, 50 ppb
	8/16/94, 4/11/94	100 ppb

Lead

Supplier Johnson Matthey 1000 ug/ml
Lot # C10976 H
Date rec'd 10/4/93 opened 12/13/93

Stock conc - 10 ppm = 100x dilution - 12/13/93 SM
1 ml 1000 ug/ml. Pb ↑ 100 ml DI in 5% HNO_3

Template

	final vol.	
Blank	100 ml	- 1 ml HNO_3 1% HNO_3
3 ppb	50 ml	- 3 ml 50 ppb std ↑ 50 ml
10 ppb	10 ml	- 2 ml 50 ppb std + 8 ml BLK
25 ppb	50 ml	- 25 ml 50 ppb std + 25 ml BLK
50 ppb	100 ml	- 2 ml HNO_3 + 0.5 ml 10 ppm Std
5 ppb	10 ml	- 1 ml 50 ppb std + 9 ml BLK

Initial	Date	conc. ppb	Date	conc ppb
SM	3/15/94	5, 10, 25, 50	5/3/94	10, 25, 50
	3/21/94	5, 10, 25, 50	5/12/94	10, 25, 50
	3/22/94	10, 25, 50	5/24/94	10, 25, 50
	3/23/94	10, 25, 50	6/17/94	10, 25, 50
	3/28/94	5, 25, 50	6/27/94	50
	3/31/94	5, 25, 50, 100	6/29/94	25, 10 from
	4/4/94	5, 25, 50, 100	7/6/94	10, 25, 50
	4/14/94	3, 25, 50, 100	7/15/94	5, 10, 25, 50
✓	4/21/94	3, 25, 50, 100	7/27/94	5, 10, 25, 50
	4/26/94	10, 25, 50, 100	8/2/94	5, 10, 25, 50

Lead (cont.)

Date	conc, ppb	
8/9/94	5, 10, 25, 50	
8/10/94	10, 25, 50	
8/12/94	10, 25, 50	
8/24/94	10, 25, 50	
9/6/94	3, 25, 50, 100	2% HNO_3
10/7/94	10, 25, 50	1% HNO_3

Thallium

Supplier Johnson Matthey 1000 ug/ml
Lot # 3-0967 J
Date rec'd 12/30/93 opened 1/7/94

Stock conc - 10 ppm = 100x dilution 1/7/94
1 ml 1000 ug/ml Tl ↑ 100 ml DI in 5% HNO_3

Template

final vol.

BLK - 100 ml DI - 1 ml HNO_3 1%
50 ppb - 100 ml - 1 ml HNO_3 + 0.5 ml 10 ppm std
25 ppb - 50 ml - 25 ml 50 ppb std + 25 ml BLK
10 ppb - 10 ml - 2 ml 50 ppb std + 8 ml BLK
100 ppb - 100 ml - 1% HNO_3 + 1 ml 10 ppm std

Initial	Date	Conc ppb	Date	Conc ppb
Am	3/19/94	10, 25, 50, 100	8/8/94	10, 25, 50
	3/25/94	5, 25, 100	9/6/94	10, 25, 50, 100 2% HNO_3
	3/30/94	10, 25, 50	10/11/94	10, 25, 50, 100
	4/5/94	10, 25, 50, 5		
	4/18/94	10, 25, 50		
	4/25/94	10, 25, 50		
	5/16/94	10, 25, 50		
	6/1/94	10, 25, 50		
	6/24/94	10, 25, 50		
	6/30/94	10, 25, 50		

Selenium

Supplier: Johnson Matthey 1000 ug/ml (ppm)
Lot #: 301548C
Date rec'd: 12/30/93 Opened 1/12/94

Stock conc – 10 ppm = 100x dilution — Date/Initial
1ml 1000 ug/ml Se ↑ 100ml DI N_2O in 5% HNO_3 — 1/13/94 SM

final vol. Template

Blank – 100ml vol. – 1ml HNO_3 + ~~0.5ml 5% $Ni(NO_3)_2$~~ SM
5ppb – 10ml vol – 1ml 50 ppb std + 9ml Blank
10ppb – 10ml vol – 2ml 50 ppb std + 8ml Blank
25ppb – 50ml vol. – 25ml 50ppb std + 25ml Blank
50ppb – 100ml vol. – 2ml HNO_3 + 0.5ml 5% $Ni(NO_3)_2$ + 0.5ml 10ppm stock

Initial	Date	Conc. ppb	Date	Conc ppb
SM	3/16/94	10,25,50	4/28/94	10,25,50
SM	3/17/94	10,25,50	5/4/94	10,25,50
SM	3/24/94	10,25,50	5/10/94	10,25,50
SM	3/29/94	10,25,50	5/11/94	10,25,50
	4/6/94	10,25,50	5/17/94	10,25,50
	4/14/94	10,25,50	5/24/94	10,25,50
	4/19/94	10,25,50	5/31/94	10,25,50
	4/25/94	10,25,50	6/13/94	10,25,50
	4/20/94	10ppm Stock	6/24/94	10,25,50
	4/20/94	10,25,50	7/5/94	10,25,50
			8/1/94	10,25,50

Selenium (cont.)

	Date	Conc.	
dm	8/17/94	5, 10, 25, 50	2% HNO_3
	9/1/94	5, 10, 25, 50	2% HNO_3
	10/3/94	5, 10, 25, 50	1% HNO_3

9/16/94 DES

100ppb Hg Std: 5% HNO_3

1ml (1000ppm Hg) ↗ 100ml = 10ppm Hg
Johnson Matthey

10ml (10ppm Hg) ↗ 100ml = 100ppb Hg

Hg working std's:

10ml (100ppb Hg) ↗ 100ml = 10ppb
5ml (100ppb Hg) ↗ 100ml = 5ppb
1ml (100ppb Hg) ↗ 100ml = 1ppb
0.5ml (100ppb Hg) ↗ 100ml = 0.5ppb

ICV:

1ml (ERA 500ppb Std) ↗ 100ml = 5ppb

CCV:

5ml (100ppb Std) ↗ 100ml = 5ppb
Johnson Matthey

CRA:

2ml (10ppb Hg) ↗ 100ml = 0.2ppb
Johnson Matthey

9/21/94 DES

100ppb Hg std: 5% HNO_3

1ml (1000ppm Hg Johnson Matthey) ↗ 100ml = 10ppm Hg

10ml (10ppm Hg) ↗ 100ml = 100ppb Hg

Hg working std:

10ml (100ppb Hg) ↗ 100ml = 10ppb

5ml (100ppb Hg) ↗ 100ml = 5ppb

1ml (100ppb Hg) ↗ 100ml = 1ppb

0.5ml (100ppb Hg) ↗ 100ml = 0.5ppb

ICV: 1ml (ERA 500ppb Std) ↗ 100ml = 5ppb

CRA: 2ml (10ppb Hg Johnson Matthey) ↗ 100ml = 0.2ppb

CCV: 2.5ml (100ppb Hg Johnson Matthey) ↗ 100ml = 2.5ppb

LCS: ICV with crushed glass

Hg MS: 0.5ml ERA 500ppb Std added
spike = 2.5ppb

9/7/94

10 ↑ 100 = 1.00 ppm

5.0 ug/l	100 mls	0.5 mls of 1.0 ppm used
10.0		1.0
25		2.5
→ 50		5.0
100		10.0
200		20
300		30

~~100~~ 10 mls ~~5~~ mls ↑ 100 = ~~50~~ 100 ug/l

Distillation Log

9/7/94

			Start	Final	
	1	BK	500ml	100	
*	2	Std	500mls	100	
	3	FB-1	500mls	100	
	4	SL-04	5.029gr	100gr	88% Solids
	5	SL 6/7	4.894g		83% Solids
	6	SL 08	5.019g		74% Solids
125ml	7	SL-08 MS	4.79/g		73% Solids
	8	SL-08 MSDupl	5.042g		77% Solids
	9	Blank		100ml	
*	10	Std			
	11	50ppm Std Dig Std			
	12				

* Std TCN

5mls ↑ 1000mls then 10↑ 500 mls

Spike 125mls of Std ↑ 500 mls = 1250ug/l TCN in 100ml

25ug (

20mls KCN

AgNO3 16.95ml (mg/l T-CN) (20)(847.5) = (16.95)(1000)

16.95ml (847.5)( ) = (10 ppm)(1000mls)

16.95ml

11.80ml ↑ 1000ml = 10ppm

0301

9/1/94 DES

2X IDL std for Pb: 2.5% HCl 5% HNO_3

2ml 1ppm Pb → 25ml = 0.08ppm Pb

→ Johnson & Matthew

ICSA
ICSAB > spex

on: 3:30
off: 6:45
95°C

8/30/94 DES Retec E0831-02 CLP Prep log
8/31/94 DES

Soil prep: (filtered)	Binder #	ICP 2.5% HCL/5% HNO3 digestion	Binder #	Furnace 2% HNO3 digestion
✓✓ SL 6/7	1A	1.452g ↑200ml	2A	1.453g ↑200ml
✓✓ SL-04	3A	1.454g	4A	1.456g
✓✓ SL-08	5A	1.451g	6A	1.451g
✓✓ SL-08 MS spike skin added	7A	1.449g	8A	1.446g
✓ SL-08 MSD	9A	1.454g	10A	1.447g
✓ SL 10/11	11A	1.462g		
✓✓ SL-25	12A	1.452g		
✓✓ SL-14	13A	1.454g		
✓✓ SL-03	14A	1.449g		
✓✓ SL-15	15A	1.454g		
✓✓ SL-12	16A	1.450g		
✓✓ SL-13	17A	1.449g		
✓✓ SL-01	18A	1.449g		
✓ SL-05	19A	1.456g		
✓ prep Blank	20A	1.459g crushed glass	21A	1.445g crushed glass ↑200ml
LCS	22A	1.448g crushed glass ↑100ml digest ICV	23A	1.457g crushed glass ↑100ml for Sb
LCS	24A	1.453g crushed glass ↑100ml for Sb	25A	1.447g crushed glass ↑100ml for Pb
water prep: (did not filter)				
on: 3:30 off: 5:30 Field Blank	26A	↑100ml	27A	↑100ml
95°C Prep Blank	28A	DI water ↑100ml	29A	DI water ↑100ml

LCS & spike solutions next page

2L	I.D.	Tare	T+WW	T+DW	WS	DS	%S	
	0829-01							
	A 1	0.973	10.102	8.888	9.129	7.915	87%	
	B 2	0.976	10.799	9.426	9.823	8.450	86%	
	C 3	0.982	10.222	8.783	9.240	7.801	84%	
	D 4	0.972	12.123	10.076	11.151	9.104	82%	
	B1 5	0.974	11.078	10.057	10.104	9.083	90%	
	B2 6	0.978	10.059	9.034	9.081	8.056	89%	
	B3 7	0.983	12.133	10.577	11.150	9.594	86%	
	B4 8	0.975	10.994	9.925	10.019	8.950	89%	
	B5 9	0.976	11.372	10.091	10.396	9.115	88%	
	0829-03							
	101	0.978	3.951	3.907	2.973	2.929	99%	
	102	0.977	5.497	5.486	4.520	4.509	100%	
	0831-02							
	SL 6/7 1	0.973	12.039	10.214	11.066	9.241	83%	83.5
	SL 04 2	0.972	11.876	10.580	10.904	9.608	88%	88.1
	SL08 3	0.974	10.854	8.295	9.880	7.321	74%	74.1
	SL08M15 4	0.968	10.940	8.250	9.972	7.282	73%	73.0
	SL08M50 5	0.975	10.466	8.250	9.491	7.275	77%	76.7
	SL 10/11 6	0.972	11.912	8.197	10.940	7.225	66%	66.0
	SL-25 7	0.975	10.234	8.842	9.259	7.867	85%	85.0
	SL-14 8	0.974	11.346	9.736	10.872	8.762	81%	80.6
	SL-03 9	0.980	12.229	10.461	11.249	9.481	84%	84.3
	SL-15 10	0.979	10.211	9.374	9.232	8.395	91%	90.9
	SL-12 11	0.976	10.723	9.327	9.747	8.351	86%	85.7
	SL-13 12	0.971	10.360	8.180	9.389	7.209	77%	76.8
	SL-01 13	0.973	10.344	8.159	9.371	7.186	77%	76.7
	SL-05 14	0.972	10.373	9.014	9.401	8.042	86%	85.5

SAMPLE DATA SUMMARY/DATA PACKAGE
ORGANICS ANALYSIS: WELLS G&H RD/RA
SDG: NETL18-1
WORK ORDER: NETL NETL18-1
PROJECT #: 3-0681-620

Prepared for:

Remediation Technoiogies, Inc.
9 Pond Lane
Concord, MA 01742

Report Date: October 24, 1994

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QC SUMMARY	665
SAMPLE DATA	671
STANDARDS DATA	850
RAW QC DATA	1060
END	1137

SDG NARRATIVE

The following samples were received from Remediation Technologies, Inc.:

SAMPLE ID	MATRIX	DATE RECIEVED	pH	ANALYSIS
FB	WATER	31-Aug-94		TAL/TCL
SL01	SOIL	31-Aug-94	4.8	CRITERIA COMPOUNDS
SL03	SOIL	31-Aug-94	5.2	CRITERIA COMPOUNDS
SL04	SOIL	31-Aug-94	5.5	TAL/TCL
SL05	SOIL	31-Aug-94	5.2	CRITERIA COMPOUNDS
SL6/7	SOIL	31-Aug-94	5.4	TAL/TCL
SL08B	SOIL	9-Sep-94	5.2	TCL PESTS/PCBS
SL08BMS	SOIL	9-Sep-94	5.2	TCL PESTS/PCBS
SL08BMSD	SOIL	9-Sep-94	5.2	TCL PESTS/PCBS
SL08	SOIL	31-Aug-94	4.6	TAL/TCL, CRITERIA PESTS/PCBS
SL08MS	SOIL	31-Aug-94	4.6	TAL/TCL, NO PESTS/PCBS
SL08MS	SOIL	31-Aug-94	4.6	TAL/TCL, NO PESTS/PCBS
SL10/11	SOIL	31-Aug-94	6.0	CRITERIA COMPOUNDS
SL12	SOIL	31-Aug-94	5.8	CRITERIA COMPOUNDS
SL12B	SOIL	9-Sep-94	5.5	cPAHs
SL13	SOIL	31-Aug-94	5.1	CRITERIA COMPOUNDS
SL14	SOIL	31-Aug-94	5.5	CRITERIA COMPOUNDS
SL14B	SOIL	9-Sep-94	5.5	PCBS
SL15	SOIL	31-Aug-94	5.0	CRITERIA COMPOUNDS
SL25	SOIL	31-Aug-94	5.8	CRITERIA COMPOUNDS

These twenty one samples constitute Sample Delivery Group NETL18-1

Custody records for this group follow this narrative.

The analyses indicated in the table above were performed on the samples. The designations given in the table are defined below.

- TCL indicates : EPA CLP TARGET COMPOUND LIST
  Volatile organics
  Semivolatile organics
  Pesticides and PCB's

- TAL indicates EPA CLP TARGET ANALYTE LIST (reported under separate cover)

- Criteria compounds indicates:

Parameter		Required Reporting Limit, mg/kg
Total lead, mg/kg		**320**
PESTICIDES, mg/kg		
Chlordane		**3.07**
4,4-DDT		**11.0**
cPAHs, mg/kg		
Benzo(a)anthracene		**0.049**
Benzo(b)fluoranthene		**0.049**
Benzo(k)fluoranthene		**0.049**
Benzo(a)pyrene		**0.049**
Chrysene		**0.049**
Dibenz(a,h)anthracene		**0.049**
Indeno(1,2,3-c,d)perlyene		**0.049**
PCB Aroclors, mg/kg		
1016		**0.074**
1221		**0.074**
1232		**0.074**
1242		**0.074**
1248		**0.074**
1254		**0.074**
1260		**0.074**
Volatile Organics		
Chloroform		**0.031**
Tetrachloroethene		**0.018**
Trichloroethene		**0.006**
1,2 Dichloroethene (trans)		**0.041**
1,1,1 Trichloroethane		**0.306**

Note Total Lead is reported under separate cover.

Under this project, chlordane is defined as the sum of alpha chlordane and gamma chlordane.

The reporting format used in this document is as specified in:

"USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Document # OLM01.2", USEPA, 1/91.

Volatile Organic Compounds:

The volatile organics were analyzed by purge/trap-GC/MS. The analytical method used is EPA Method 8260 as documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW

The method was modified to satisfy the IS/SURR requirements and general data generation requirements specified in:

"USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Document # OLM01.2", USEPA, 1/91.

The method was modified to satisfy the client's lower-than-standard minimum reporting limit requirements. This modification consisted if lowering the calibration range from the standard of 10-200 ug/l to a revised range of 1.0 to 25 ug/l.

General comments/clarifications:

None

Semivolatile Organic Compounds:

Extracts for the analysis of semivolatile organic compounds were prepared by sonication extraction followed by GPC clean-up. The determinative method used was GC/MS. Procedures for conducting the preparation and analysis are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW, Method 3550, 3640, and 8270.

as well as

USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Doc# OLM01.2, USEPA, 1/91

Reporting limits for the cPAHs were extended below the CLP CRDL to an MDL of 30 ug/kg. This MDL is based on a 50 gram sample extracted and concentrated to 1.0 ml. MDL determination data is presented below.

COMPOUND	Conc.	#1	#2	#3	#4	#5	#6	#7	STD. DEV.	AVE.	MDL
Benzo(a)anthracene	2.00	2.22	2.22	2.05	2.16	2.30	2.24	2.09	0.088	2.18	0.26
Chrysene	2.00	2.55	2.22	2.09	2.18	2.52	2.20	2.14	0.185	2.27	0.56
Benzo(b)fluoranthene	2.00	2.70	2.48	2.31	2.48	2.51	2.43	2.28	0.139	2.46	0.42
Benzo(a)pyrene	2.00	2.25	2.11	2.16	2.08	2.19	2.09	1.85	0.127	2.10	0.38
Dibenzo(a,h)anthracene	2.00	3.08	2.08	2.35	2.71	2.49	2.38	2.14	0.345	2.46	1.03
Indeno(1,2,3-cd)pyrene	2.00	2.71	2.54	2.15	2.88	2.27	2.38	2.12	0.287	2.44	0.86
Benzo(k)fluoranthene	2.00	2.53	1.87	2.35	1.76	2.47	2.58	2.36	0.326	2.27	0.98

3x >> DEV.

General comments/clarifications:

None

PESTICIDES AND PCBs:

Extracts for the analysis of pesticides and PCBs were prepared by sonication extraction followed by GPC clean-up and florisil clean-up. The determinative method used was GC/ECD. Procedures for conducting the preparation and analysis are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW, Method 3550, 3640, 3620 and 8080.

as well as

USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Doc# OLM01.2, USEPA, 1/91

General comments/clarifications:

Many of these samples exhibited a very complex electron capture chromatographic profile. Technical grade chlordane was a predominant component in all samples except sl14 and sl14b. Technical grade chlordane is a complex, multi-component pesticide with a substantial electron capture component profile. In many of the samples this component profile saturated the detector as well as the column when samples were analyzed at 1x dilutions. CLP protocols provide for this instance by enabling analysis of sample extracts at prudent dilutions. However in the interest of determining PCBs to client specific reporting limits requirements, all samples were analyzed at a 1x dilution -- as well as at an appropriate dilution for component quantitation -- on both GCs. After analysis of samples sl03, sl05 and sl10/11 at a 1x dilution on gc#1 it was determined that a dilution was required for quantitation of all components except those which were below the reporting limit at the 1x dilution. In these three cases an analysis of the 1x

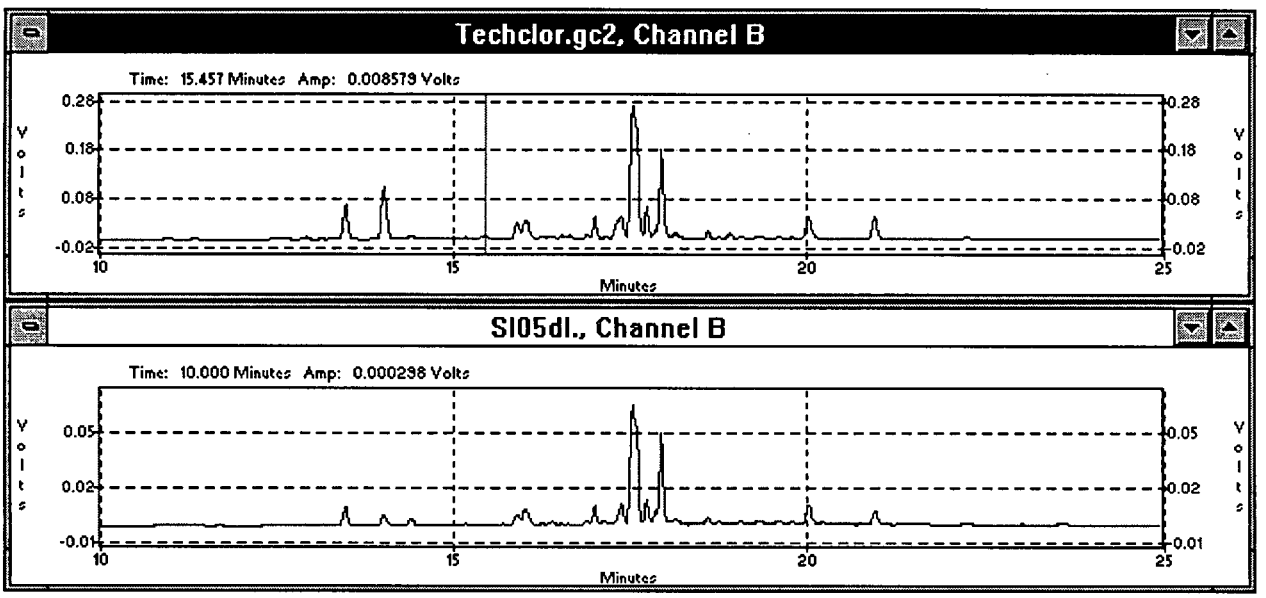
dilution on GC#2 was not performed under CLP protocols. This does not constitute a data package inadequacy because:

- The components present in the sample were analyzed on both GCs at the appropriate dilution.
- Non-detected compounds in the 1x dilution are adequately addressed in the analysis on GC#1 alone (The sample results reported on Form I are taken from the lower of the two results obtained from the two gc runs. A non-detected result will never be replaced by a reported value.)

Samples sl03, sl05 and sl10/11 were later analyzed in a non-clp conforming analysis in an effort to provide redundant confirmation of non-detected components at the 1x dilution. Results from this run are included in this package for information purposes only. These results are flagged with the qualifier "Y" on the corresponding Form 1 and Form 10s. Also, calibration check chromatograms for the additional analyses are included in the end of the standards data section and the surrogate recoveries for the runs are included on form 2.

The sample originally designated for MS/MSD evaluation, sl08, was very heavily contaminated with technical grade chlordane. Analysis of the sample at a 1x dilution was not possible (catastrophic signal saturation occurred, chromatogram included for information purposes). The sample failed clean-up criteria for chlordane. A second sample, collected after further excavation, was submitted as sl08b. This sample also was very heavily contaminated with technical grade chlordane. However, the sl08b sample was analyzed as the ms/msd in the interest of providing a clp conforming data package. The results are flagged with the qualifier "X" The level of technical chlordane in the sl08b sample is significantly higher than the level in any other sample and therefor does not represent a comparable matrix. However, the presence of significant levels of technical grade chlordane is common throughout this SDG and the qualitative/quantitative problems indicated in the MS/MSD probably extend -- to a lesser degree -- to other samples in the group.

The technical chlordane profile present in all samples in this SDG is presented in the graphic below. The top profile is a Technical Chlordane standard. The bottom chromatogram is the profile for the sl05dl sample, a typical example from the group. This multi-component pesticide is not included in the CLP TCL. Again, many of the samples contained this mixture at column/detector overloading levels. Unavoidable, minor excursions from control limits were experienced in a variety of instances (including surrogate recoveries, calibration checks, and DDT/Endrin breakdown evaluations) throughout our effort to obtain data consistent with client specific detection limit requirements for these samples.



I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness.

Mark H. Bishop
Laboratory Director
New England Testing Laboratory, Inc

CUSTODY RECORDS

No. 073

CHAIN OF CUSTODY RECORD

E0831-02

PROJ. NO.: 3-0847-630

PROJECT NAME: Wildwood

SAMPLERS: Carl Lacoidano

RECEIVING LABORATORY: NETL

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	TAL/TCL full list	Mixed-contaminants	soil VOCs				REMARKS
TB 8-30-94	8-30-94	—	Trip Blank	1			X				Analyze trip blank water sample for soil VOCs
SL-6/7 8-30-94		3:00	Sludge location SL-6/7	1	X						
SL-04 8-30-94		12:00	Sludge location SL-04	1	X						
SL-08 8-30-94		2:25	Sludge location SL-08	1	X						
SL-08 MS 8-30-94		2:26	Matrix Spike Sludge location SL-08	1	X						
SL-08 MSD 8-30-94		2:30	Matrix Spike Duplicate SL-08	1	X						
FB 8-30-94		—	Field Blank	6	X						
SL-10/11 8-30-94		2:45	Sludge location 10/11	1		X					
SL-25 8-30-94		2:00	Sludge location SL-25	1		X					
SL-14 8-30-94		3:10	Sludge location SL-14	1		X					
SL-03 8-30-94		3:15	Sludge location SL-03	1		X					
SL-15 8-30-94		3:20	Sludge location SL-15	1		X					
SL-12 8-30-94		3:35	Sludge location SL-12	1		X					
SL-13 8-30-94		1:30	Sludge location SL-13	1		X					
SL-01 8-30-94		1:20	Sludge location SL-01	1		X					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	8-30-94 14:00	Via Fed Ex			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature)	Date/Time		

REMARKS: See work order NETL # for definition of mixed-contaminants, and soil VOCs

REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
9 Pond Lane
Damonmill Square
Concord, MA 01742
(508) 371-1422
Fax# (508) 369-9279

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0009

No. 072

CHAIN OF CUSTODY RECORD

E0831-02

PROJ. NO. 3-0547-630

PROJECT NAME Wildwood

SAMPLERS: CML LAQuidara

RECEIVING LABORATORY: NETL

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	mixed contaminants						REMARKS
3-0547-630-04	8-30-94	11:57	Sludge location SL-05	1	X						

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	8-30-94 1400	via Fed Ex			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature)	Date/Time		

REMARKS:

RETEC REMEDIATION TECHNOLOGIES INC

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9 Pond Lane
Damonmill Square
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0010

No. 069

E0909-09

CHAIN OF CUSTODY RECORD

PROJ. NO. 3-0947-630

PROJECT NAME Wildwood

SAMPLERS: CM LAGUIDAM

RECEIVING LABORATORY: NETL

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	TCL Pesticides	TCL VOCs	Mixed-contaminant PAHs	PCBs			REMARKS
~~SL-08B~~											
SL-08B 9-8-94	9-8-94	9:00	Sludge location SL-08B	1	X						RUSH (Next Wed)
SL-08B 9-8-94MS		9:05	SL-08B matrix spike	1	X						
SL-08B 9-8-94MSD		9:10	SL-08B matrix spike duplicate	1	X						
SL-12B 9-8-94		10:00	Sludge location SL-12	1			X				
~~TB-~~ 9-8-94			Trip Blank		X						
SL-14B 9-8-94		10:40	Sludge location SL-14	1				X			

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	Sept 8 1994	VIA Fed EX			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature)	Date/Time		
		Lynn Smith	9/9/94		

REMARKS:

REIEC REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
9 Pond Lane
Damonmill Square
Concord, MA 01742
(508) 371-1422
Fax# (508) 369-9279

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0011

SAMPLE DATA SUMMARY

ANALYSIS DATA SHEETS
VOLATILES

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0704

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	2.9	B
67-64-1	Acetone	2.5	B
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0704

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00110-54-3	HEXANE	4.67	1.2	J
2.	00594-82-1	BUTANE, 2,2,3,3-TETRAMETHYL-	7.04	4.04	J
3.	00629-92-5	NONADECANE	22.78	0.66	J
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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01

Sample wt/vol: 5.128 (g/mL) g Lab File ID: S0203

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 23 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
79-01-6	Trichloroethene	1.3	U
127-18-4	Tetrachloroethene	1.3	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03(A)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03(A)

Sample wt/vol: 5.273 (g/mL) g Lab File ID: S0204

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 16 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03(B)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03(B)

Sample wt/vol: 5.468 (g/mL) g Lab File ID: S0205

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 16 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 5.486 (g/mL) g Lab File ID: S0405

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 12 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3-	Chloromethane	1.0	U
74-83-9-	Bromomethane	1.0	U
75-01-4-	Vinyl Chloride	1.0	U
75-00-3-	Chloroethane	1.0	U
75-09-2-	Methylene Chloride	9.5	B
67-64-1-	Acetone	8.3	B
75-15-0-	Carbon Disulfide	1.0	U
75-35-4-	1,1-Dichloroethene	1.0	U
75-34-3-	1,1-Dichloroethane	1.0	U
540-59-0-	1,2-Dichloroethene (total)	1.0	U
67-66-3-	Chloroform	1.0	U
107-06-2-	1,2-Dichloroethane	1.0	U
78-93-3-	2-Butanone	14	B
71-55-6-	1,1,1-Trichloroethane	1.0	U
56-23-5-	Carbon Tetrachloride	1.0	U
75-27-4-	Bromodichloromethane	1.0	U
78-87-5-	1,2-Dichloropropane	1.0	U
10061-01-5-	cis-1,3-Dichloropropene	1.0	U
79-01-6-	Trichloroethene	1.0	U
124-48-1-	Dibromochloromethane	1.0	U
79-00-5-	1,1,2-Trichloroethane	1.0	U
71-43-2-	Benzene	1.0	U
10061-02-6-	trans-1,3-Dichloropropene	1.0	U
75-25-2-	Bromoform	1.0	U
108-10-1-	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4-	Tetrachloroethene	1.0	U
79-34-5-	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3-	Toluene	1.0	U
108-90-7-	Chlorobenzene	1.0	U
100-41-4-	Ethylbenzene	1.0	U
100-42-5-	Styrene	1.0	U
1330-20-7-	Xylene (total)	1.0	U

0019

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 5.486 (g/mL) g Lab File ID: S0405

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 12 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-05

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-05

Sample wt/vol: 5.481 (g/mL) g Lab File ID: S0206

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 14 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 5.208 (g/mL) g Lab File ID: S0406

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 17 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	12	~~B~~ UJ
67-64-1	Acetone	5.2	~~B~~ UJ
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	5.0	~~B~~
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

0022

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-6/7

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 5.208 (g/mL) g Lab File ID: S0406

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 17 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00110-54-3	HEXANE	4.37	8.4	J
2.					
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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 5.144 (g/mL) g Lab File ID: S0407

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 26 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.3	U
74-83-9	Bromomethane	1.3	U
75-01-4	Vinyl Chloride	1.3	U
75-00-3	Chloroethane	1.3	U
75-09-2	Methylene Chloride	16	~~B~~
67-64-1	Acetone	7.8	~~B~~
75-15-0	Carbon Disulfide	1.3	U
75-35-4	1,1-Dichloroethene	1.3	U
75-34-3	1,1-Dichloroethane	1.3	U
540-59-0	1,2-Dichloroethene (total)	1.3	U
67-66-3	Chloroform	1.3	U
107-06-2	1,2-Dichloroethane	1.3	U
78-93-3	2-Butanone	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
56-23-5	Carbon Tetrachloride	1.3	U
75-27-4	Bromodichloromethane	1.3	U
78-87-5	1,2-Dichloropropane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	U
79-01-6	Trichloroethene	1.3	U
124-48-1	Dibromochloromethane	1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	U
71-43-2	Benzene	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	U
75-25-2	Bromoform	1.3	U
108-10-1	4-Methyl-2-Pentanone	1.3	U
591-78-6	2-Hexanone	1.3	U
127-18-4	Tetrachloroethene	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U
108-88-3	Toluene	1.3	U
108-90-7	Chlorobenzene	1.3	U
100-41-4	Ethylbenzene	1.3	U
100-42-5	Styrene	1.3	U
1330-20-7	Xylene (total)	1.3	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-08

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 5.144 (g/mL) g Lab File ID: S0407

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 26 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00102-24-9	BORXIN, TRIMETHOXY-	2.90	8	J
2.	00100-54-3	HEXANE	4.35	8.7	J
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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08 MS

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08 MS

Sample wt/vol: 5.246 (g/mL) g Lab File ID: S0408

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 25 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	19	~~B~~
67-64-1	Acetone	10	~~B~~
75-15-0	Carbon Disulfide	2.5	
75-35-4	1,1-Dichloroethene	33	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	9.7	
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	28	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	31	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	30	
108-90-7	Chlorobenzene	31	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08 MSD

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08 MSD

Sample wt/vol: 5.301 (g/mL) g Lab File ID: S0409

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 22 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	6.4	B
75-15-0	Carbon Disulfide	2.3	
75-35-4	1,1-Dichloroethene	33	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	7.9	
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	29	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	30	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	31	
108-90-7	Chlorobenzene	31	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-10/11

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-10/11

Sample wt/vol: 5.110 (g/mL) g Lab File ID: S0207

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 34 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	6.6	
67-66-3	Chloroform	1.5	U
71-55-6	1,1,1-Trichloroethane	1.5	U
79-01-6	Trichloroethene	23.1	
127-18-4	Tetrachloroethene	1.5	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12

Sample wt/vol: 5.249 (g/mL) g Lab File ID: S0208

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 14 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13

Sample wt/vol: 5.147 (g/mL) g Lab File ID: S0209

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 23 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
540-59-0	1,2-Dichloroethene (trans)	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
79-01-6	Trichloroethene	1.3	U
127-18-4	Tetrachloroethene	1.3	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14

Sample wt/vol: 5.246 (g/mL) g Lab File ID: S0210

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 19 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
79-01-6	Trichloroethene	1.2	U
127-18-4	Tetrachloroethene	78.5	

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15

Sample wt/vol: 5.470 (g/mL) g Lab File ID: S0211

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 9 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	20.1	
127-18-4	Tetrachloroethene	1.8	

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-25

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-25

Sample wt/vol: 5.360 (g/mL) g Lab File ID: S0212

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 15 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: TRIP BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0703

Level: (low/med) low Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
127-18-4	Tetrachloroethene	1.0	U

SEMIVOLATILES

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0307

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
6-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0307

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
-66-2	Diethylphthalate	10	U
7005-72-3	4-chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.9	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) mL Lab File ID: >U0307

Level: (low/med) low Date Received: 08/31/94

%Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	108-88-3	TOLUENE	5.13	89	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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16.					
17.					
18.					
19.					
20.					
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22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0318

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	28	J
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01RE

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0809

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0804

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 16 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	38	
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	27	J
53-70-3	Dibenz(a,h)anthracene	36	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03RE

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0902

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 16 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	57	
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	28	J
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0310

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	225	U
111-44-4	bis(2-Chloroethyl)ether	225	U
95-57-8	2-Chlorophenol	225	U
541-73-1	1,3-Dichlorobenzene	225	U
6-46-7	1,4-Dichlorobenzene	225	U
95-50-1	1,2-Dichlorobenzene	225	U
95-48-7	2-Methylphenol	225	U
108-60-1	2,2'-oxybis(1-Chloropropane)	225	U
106-44-5	4-Methylphenol	225	U
621-64-7	N-Nitroso-di-n-propylamine	225	U
67-72-1	Hexachloroethane	225	U
98-95-3	Nitrobenzene	225	U
78-59-1	Isophorone	225	U
88-75-5	2-Nitrophenol	225	U
105-67-9	2,4-Dimethylphenol	225	U
111-91-1	bis(2-Chloroethoxy)methane	225	U
120-83-2	2,4-Dichlorophenol	225	U
120-82-1	1,2,4-Trichlorobenzene	225	U
91-20-3	Naphthalene	225	U
106-47-8	4-Chloroaniline	225	U
87-68-3	Hexachlorobutadiene	225	U
59-50-7	4-Chloro-3-methylphenol	225	U
91-57-6	2-Methylnaphthalene	225	U
77-47-4	Hexachlorocyclopentadiene	225	U
88-06-2	2,4,6-Trichlorophenol	225	U
95-95-4	2,4,5-Trichlorophenol	561	U
91-58-7	2-Chloronaphthalene	225	U
88-74-4	2-Nitroaniline	561	U
131-11-3	Dimethylphthalate	225	U
208-96-8	Acenaphthylene	225	U
606-20-2	2,6-Dinitrotoluene	225	U
-09-2	3-Nitroaniline	561	U
3-32-9	Acenaphthene	225	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0310

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	561	U
100-02-7	4-Nitrophenol	561	U
132-64-9	Dibenzofuran	225	U
121-14-2	2,4-Dinitrotoluene	225	U
84-66-2	Diethylphthalate	225	U
7005-72-3	4-chlorophenyl-phenylether	225	U
86-73-7	Fluorene	225	U
100-01-6	4-Nitroaniline	561	U
534-52-1	4,6-Dinitro-2-methylphenol	561	U
86-30-6	N-Nitrosodiphenylamine (1)	225	U
101-55-3	4-Bromophenyl-phenylether	225	U
118-74-1	Hexachlorobenzene	225	U
87-86-5	Pentachlorophenol	561	U
85-01-8	Phenanthrene	225	U
120-12-7	Anthracene	225	U
86-74-8	Carbazole	225	U
84-74-2	Di-n-butylphthalate	225	B
206-44-0	Fluoranthene	225	U
129-00-0	Pyrene	136	J
85-68-7	Butylbenzylphthalate	225	U
91-94-1	3,3'-Dichlorobenzidine	225	U
56-55-3	Benzo(a)anthracene	77	
218-01-9	Chrysene	135	
117-81-7	bis(2-Ethylhexyl)phthalate	132	BJ
117-84-0	Di-n-octylphthalate	225	U
205-99-2	Benzo(b)fluoranthene	153	
207-08-9	Benzo(k)fluoranthene	71	
50-32-8	Benzo(a)pyrene	70	
193-39-5	Indeno(1,2,3-cd)pyrene	55	
53-70-3	Dibenz(a,h)anthracene	34	U
191-24-2	Benzo(g,h,i)perylene	73	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-04

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

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

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >U0310

Level: (low/med) low Date Received: 08/31/94

%Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKYL ALCOHOL	4.13	72	J
2.		UNKNOWN HYDROCARBON	7.12	853	J
3.		UNKNOWN HYDROCARBON	9.83	108	J
4.		UNKNOWN ALKYL ALCOHOL	10.33	63	J
5.		UNKNOWN ALKYL ALCOHOL	10.85	90	J
6.		UNKNOWN ALKYL ALCOHOL	12.01	314	J
7.		UNKNOWN HYDROCARBON	12.37	101	J
8.		UNKNOWN HYDROCARBON	21.10	222	J
9.		UNKNOWN HYDROCARBON	23.05	58	J
10.		UNKNOWN HYDROCARBON	23.69	56	J
11.		UNKNOWN HYDROCARBON	25.20	83	J
12.		UNKNOWN HYDROCARBON	25.38	247	J
13.		UNKNOWN HYDROCARBON	29.23	472	J
14.		UNKNOWN HYDROCARBON	30.65	404	J
15.		UNKNOWN HYDROCARBON	31.87	247	J
16.		UNKNOWN HYDROCARBON	33.75	108	J
17.		UNKNOWN HYDROCARBON	35.02	337	J
18.		UNKNOWN HYDROCARBON	36.71	269	J
19.		UNKNOWN HYDROCARBON	37.51	90	J
20.		UNKNOWN HYDROCARBON	42.81	115	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04RE

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0807

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	225	U
111-44-4	bis(2-Chloroethyl)ether	225	U
95-57-8	2-Chlorophenol	225	U
541-73-1	1,3-Dichlorobenzene	225	U
106-46-7	1,4-Dichlorobenzene	225	U
95-50-1	1,2-Dichlorobenzene	225	U
95-48-7	2-Methylphenol	225	U
108-60-1	2,2'-oxybis(1-Chloropropane)	225	U
106-44-5	4-Methylphenol	225	U
621-64-7	N-Nitroso-di-n-propylamine	225	U
67-72-1	Hexachloroethane	225	U
98-95-3	Nitrobenzene	225	U
78-59-1	Isophorone	225	U
88-75-5	2-Nitrophenol	225	U
105-67-9	2,4-Dimethylphenol	225	U
111-91-1	bis(2-Chloroethoxy)methane	225	U
120-83-2	2,4-Dichlorophenol	225	U
120-82-1	1,2,4-Trichlorobenzene	225	U
91-20-3	Naphthalene	225	U
106-47-8	4-Chloroaniline	225	U
87-68-3	Hexachlorobutadiene	225	U
59-50-7	4-Chloro-3-methylphenol	225	U
91-57-6	2-Methylnaphthalene	225	U
77-47-4	Hexachlorocyclopentadiene	225	U
88-06-2	2,4,6-Trichlorophenol	225	U
95-95-4	2,4,5-Trichlorophenol	561	U
91-58-7	2-Chloronaphthalene	225	U
88-74-4	2-Nitroaniline	561	U
131-11-3	Dimethylphthalate	225	U
208-96-8	Acenaphthylene	225	U
606-20-2	2,6-Dinitrotoluene	225	U
99-09-2	3-Nitroaniline	561	U
83-32-9	Acenaphthene	225	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04RE

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04RE

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0807

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	561	U
100-02-7	4-Nitrophenol	561	U
132-64-9	Dibenzofuran	225	U
121-14-2	2,4-Dinitrotoluene	225	U
[illegible]-66-2	Diethylphthalate	225	U
7005-72-3	4-chlorophenyl-phenylether	225	U
86-73-7	Fluorene	225	U
100-01-6	4-Nitroaniline	561	U
534-52-1	4,6-Dinitro-2-methylphenol	561	U
86-30-6	N-Nitrosodiphenylamine (1)	225	U
101-55-3	4-Bromophenyl-phenylether	225	U
118-74-1	Hexachlorobenzene	225	U
87-86-5	Pentachlorophenol	561	U
85-01-8	Phenanthrene	225	U
120-12-7	Anthracene	225	U
86-74-8	Carbazole	225	U
84-74-2	Di-n-butylphthalate	243	B
206-44-0	Fluoranthene	225	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	225	U
91-94-1	3,3'-Dichlorobenzidine	225	U
56-55-3	Benzo(a)anthracene	87	
218-01-9	Chrysene	104	
117-81-7	bis(2-Ethylhexyl)phthalate	222	BJ
117-84-0	Di-n-octylphthalate	225	U
205-99-2	Benzo(b)fluoranthene	197	
207-08-9	Benzo(k)fluoranthene	65	
50-32-8	Benzo(a)pyrene	77	
193-39-5	Indeno(1,2,3-cd)pyrene	54	
53-70-3	Dibenz(a,h)anthracene	34	U
191-24-2	Benzo(g,h,i)perylene	62	J

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-05

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-05

Sample wt/vol: 50.7 (g/mL) G Lab File ID: >U0903

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	56	
205-99-2	Benzo(b)fluoranthene	74	
207-08-9	Benzo(k)fluoranthene	34	U
-32-8	Benzo(a)pyrene	41	
193-39-5	Indeno(1,2,3-cd)pyrene	34	U
53-70-3	Dibenz(a,h)anthracene	34	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0314

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	239	U
111-44-4	bis(2-Chloroethyl)ether	239	U
95-57-8	2-Chlorophenol	239	U
541-73-1	1,3-Dichlorobenzene	239	U
6-46-7	1,4-Dichlorobenzene	239	U
5-50-1	1,2-Dichlorobenzene	239	U
95-48-7	2-Methylphenol	239	U
108-60-1	2,2'-oxybis(1-Chloropropane)	239	U
106-44-5	4-Methylphenol	239	U
621-64-7	N-Nitroso-di-n-propylamine	239	U
67-72-1	Hexachloroethane	239	U
98-95-3	Nitrobenzene	239	U
78-59-1	Isophorone	239	U
88-75-5	2-Nitrophenol	239	U
105-67-9	2,4-Dimethylphenol	239	U
111-91-1	bis(2-Chloroethoxy)methane	239	U
120-83-2	2,4-Dichlorophenol	239	U
120-82-1	1,2,4-Trichlorobenzene	239	U
91-20-3	Naphthalene	239	U
106-47-8	4-Chloroaniline	239	U
87-68-3	Hexachlorobutadiene	239	U
59-50-7	4-Chloro-3-methylphenol	239	U
91-57-6	2-Methylnaphthalene	239	U
77-47-4	Hexachlorocyclopentadiene	239	U
88-06-2	2,4,6-Trichlorophenol	239	U
95-95-4	2,4,5-Trichlorophenol	596	U
91-58-7	2-Chloronaphthalene	239	U
88-74-4	2-Nitroaniline	596	U
131-11-3	Dimethylphthalate	239	U
208-96-8	Acenaphthylene	239	U
606-20-2	2,6-Dinitrotoluene	239	U
-09-2	3-Nitroaniline	596	U
3-32-9	Acenaphthene	239	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0314

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	596	U
100-02-7	4-Nitrophenol	596	U
132-64-9	Dibenzofuran	239	U
21-14-2	2,4-Dinitrotoluene	239	U
-66-2	Diethylphthalate	239	U
7005-72-3	4-chlorophenyl-phenylether	239	U
86-73-7	Fluorene	239	U
100-01-6	4-Nitroaniline	596	U
534-52-1	4,6-Dinitro-2-methylphenol	596	U
86-30-6	N-Nitrosodiphenylamine (1)	239	U
101-55-3	4-Bromophenyl-phenylether	239	U
118-74-1	Hexachlorobenzene	239	U
87-86-5	Pentachlorophenol	596	U
85-01-8	Phenanthrene	239	U
120-12-7	Anthracene	239	U
86-74-8	Carbazole	239	U
84-74-2	Di-n-butylphthalate	268	~~B~~ V
206-44-0	Fluoranthene	239	U
129-00-0	Pyrene	239	U
85-68-7	Butylbenzylphthalate	239	U
91-94-1	3,3'-Dichlorobenzidine	239	U
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
117-81-7	bis(2-Ethylhexyl)phthalate	239 ~~57~~	~~BJ~~ V
117-84-0	Di-n-octylphthalate	239	U
205-99-2	Benzo(b)fluoranthene	36	U
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U
191-24-2	Benzo(g,h,i)perylene	239	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) soil Lab Sample ID: SL-6/7

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >U0314

Level: (low/med) low Date Received: 08/31/94

%Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.60	105	J
2.		UNKNOWN HYDROCARBON	5.66	57	J
3.		UNKNOWN HYDROCARBON	7.15	982	J
4.		UNKNOWN HYDROCARBON	9.03	249	J
5.		UNKNOWN HYDROCARBON	9.40	460	J
6.		TRIMETHYL-SUBSTITUTED ALKANE	9.55	390	J
7.		UNKNOWN ALKYL OXIDE	9.83	50	J
8.		UNKNOWN HYDROCARBON	10.87	390	J
9.		UNKNOWN HYDROCARBON	11.25	89	J
10.		UNKNOWN HYDROCARBON	12.39	477	J
11.		UNKNOWN HYDROCARBON	21.10	172	J
12.	57103	HEXADECANOIC ACID	25.36	335	J
13.		UNKNOWN ALKYL ESTER	27.46	53	J
14.		UNKNOWN CARBOXYLIC ACID	30.24	50	J
15.		UNKNOWN ALKYL ALCOHOL	31.92	443	J
16.		UNKNOWN ALKYL ALCOHOL	36.15	213	J
17.		UNKNOWN HYDROCARBON	42.35	101	J
18.					
19.					
20.					
21.					
22.					
23.					
24.					
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26.					
27.					
28.					
29.					
30.					

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0315

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	268	U
111-44-4	bis(2-Chloroethyl)ether	268	U
95-57-8	2-Chlorophenol	268	U
541-73-1	1,3-Dichlorobenzene	268	U
06-46-7	1,4-Dichlorobenzene	268	U
95-50-1	1,2-Dichlorobenzene	268	U
95-48-7	2-Methylphenol	268	U
108-60-1	2,2'-oxybis(1-Chloropropane)	268	U
106-44-5	4-Methylphenol	268	U
621-64-7	N-Nitroso-di-n-propylamine	268	U
67-72-1	Hexachloroethane	268	U
98-95-3	Nitrobenzene	268	U
78-59-1	Isophorone	268	U
88-75-5	2-Nitrophenol	268	U
105-67-9	2,4-Dimethylphenol	268	U
111-91-1	bis(2-Chloroethoxy)methane	268	U
120-83-2	2,4-Dichlorophenol	268	U
120-82-1	1,2,4-Trichlorobenzene	268	U
91-20-3	Naphthalene	268	U
106-47-8	4-Chloroaniline	268	U
87-68-3	Hexachlorobutadiene	268	U
59-50-7	4-Chloro-3-methylphenol	268	U
91-57-6	2-Methylnaphthalene	268	U
77-47-4	Hexachlorocyclopentadiene	93	J
88-06-2	2,4,6-Trichlorophenol	268	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	268	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	268	U
208-96-8	Acenaphthylene	268	U
606-20-2	2,6-Dinitrotoluene	268	U
9-09-2	3-Nitroaniline	670	U
3-32-9	Acenaphthene	268	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0315

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	268	U
121-14-2	2,4-Dinitrotoluene	268	U
66-2	Diethylphthalate	268	U
005-72-3	4-chlorophenyl-phenylether	268	U
86-73-7	Fluorene	268	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine (1)	268	U
101-55-3	4-Bromophenyl-phenylether	268	U
118-74-1	Hexachlorobenzene	268	U
87-86-5	Pentachlorophenol	62	J
85-01-8	Phenanthrene	75	J
120-12-7	Anthracene	268	U
86-74-8	Carbazole	268	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	93	J
129-00-0	Pyrene	111	J
85-68-7	Butylbenzylphthalate	268	U
91-94-1	3,3'-Dichlorobenzidine	268	U
56-55-3	Benzo(a)anthracene	51	
218-01-9	Chrysene	66	
117-81-7	bis(2-Ethylhexyl)phthalate	428	B
117-84-0	Di-n-octylphthalate	268	U
205-99-2	Benzo(b)fluoranthene	91	
207-08-9	Benzo(k)fluoranthene	29	J
50-32-8	Benzo(a)pyrene	47	J
193-39-5	Indeno(1,2,3-cd)pyrene	40	U
53-70-3	Dibenz(a,h)anthracene	40	U
191-24-2	Benzo(g,h,i)perylene	268	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

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

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >U0315

Level: (low/med) low Date Received: 08/31/94

%Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN AROMATIC HYDROCARBON	23.37	536	J
2.		UNKNOWN HYDROCARBON	23.42	509	J
3.		UNKNOWN HYDROCARBON	25.11	2038	J
4.	57-10-3	HEXADECANOIC ACID	25.40	938	J
5.	76-44-8	HEPTACHLOR	25.59	2360	J
6.		UNKNOWN HALOGENATED HYDROCARBON	26.21	1287	J
7.		UNKNOWN HALOGENATED HYDROCARBON	26.46	804	J
8.	629-73-2	HEXADECENE	26.80	2789	J
9.		UNKNOWN HALOGENATED HYDROCARBON	27.00	1180	J
10.		UNKNOWN HALOGENATED HYDROCARBON	27.60	992	J
11.		UNKNOWN HALOGENATED HYDROCARBON	27.73	885	J
12.	5103-74-2	GAMMA-CHLORDANE	27.80	670	J
13.	5103-71-9	ALPHA-CHLORDANE	28.12	3325	J
14.		UNKNOWN HALOGENATED HYDROCARBON	29.84	1877	J
15.		UNKOWN HALOGENATED AROMATIC	30.45	3164	J
16.		UNKWOWN ALKYL ALCOHOL	31.93	2172	J
17.		UNKWOWN ALKYL ALCOHOL	36.16	2654	J
18.		UNKNOWN HYDROCARBON	42.40	2923	J
19.	70-30-4	HEXACHLOROPHENE	42.83	3459	J
20.	3234-84-2	DODECANOIC ACID, OCTADELCYL ESTER	56.36	2896	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0808

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	268	U
111-44-4	bis(2-Chloroethyl)ether	268	U
95-57-8	2-Chlorophenol	268	U
1-73-1	1,3-Dichlorobenzene	268	U
06-46-7	1,4-Dichlorobenzene	268	U
95-50-1	1,2-Dichlorobenzene	268	U
95-48-7	2-Methylphenol	268	U
108-60-1	2,2'-oxybis(1-Chloropropane)	268	U
106-44-5	4-Methylphenol	268	U
621-64-7	N-Nitroso-di-n-propylamine	268	U
67-72-1	Hexachloroethane	268	U
98-95-3	Nitrobenzene	268	U
78-59-1	Isophorone	268	U
88-75-5	2-Nitrophenol	268	U
105-67-9	2,4-Dimethylphenol	268	U
111-91-1	bis(2-Chloroethoxy)methane	268	U
120-83-2	2,4-Dichlorophenol	268	U
120-82-1	1,2,4-Trichlorobenzene	268	U
91-20-3	Naphthalene	268	U
106-47-8	4-Chloroaniline	268	U
87-68-3	Hexachlorobutadiene	268	U
59-50-7	4-Chloro-3-methylphenol	268	U
91-57-6	2-Methylnaphthalene	268	U
77-47-4	Hexachlorocyclopentadiene	268	U
88-06-2	2,4,6-Trichlorophenol	268	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	268	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	268	U
208-96-8	Acenaphthylene	268	U
6-20-2	2,6-Dinitrotoluene	268	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	268	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0808

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	268	U
21-14-2	2,4-Dinitrotoluene	268	U
4-66-2	Diethylphthalate	268	U
7005-72-3	4-chlorophenyl-phenylether	268	U
86-73-7	Fluorene	268	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine (1)	268	U
101-55-3	4-Bromophenyl-phenylether	268	U
118-74-1	Hexachlorobenzene	268	U
87-86-5	Pentachlorophenol	67	J
85-01-8	Phenanthrene	83	J
120-12-7	Anthracene	268	U
86-74-8	Carbazole	268	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	93	J
129-00-0	Pyrene	165	J
85-68-7	Butylbenzylphthalate	268	U
91-94-1	3,3'-Dichlorobenzidine	268	U
56-55-3	Benzo(a)anthracene	51	
218-01-9	Chrysene	73	
117-81-7	bis(2-Ethylhexyl)phthalate	660	B
117-84-0	Di-n-octylphthalate	268	U
205-99-2	Benzo(b)fluoranthene	129	
207-08-9	Benzo(k)fluoranthene	45	
50-32-8	Benzo(a)pyrene	61	
193-39-5	Indeno(1,2,3-cd)pyrene	34	J
53-70-3	Dibenz(a,h)anthracene	40	U
91-24-2	Benzo(g,h,i)perylene	268	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08MS

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08MS

Sample wt/vol: 50.1 (g/mL) G Lab File ID: >U0316

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
108-95-2	Phenol	1380	
111-44-4	bis(2-Chloroethyl)ether	270	U
95-57-8	2-Chlorophenol	1340	
541-73-1	1,3-Dichlorobenzene	270	U
6-46-7	1,4-Dichlorobenzene	1024	
95-50-1	1,2-Dichlorobenzene	270	U
95-48-7	2-Methylphenol	270	U
108-60-1	2,2'-oxybis(1-Chloropropane)	270	U
106-44-5	4-Methylphenol	270	U
621-64-7	N-Nitroso-di-n-propylamine	1085	
67-72-1	Hexachloroethane	270	U
98-95-3	Nitrobenzene	270	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	270	U
111-91-1	bis(2-Chloroethoxy)methane	270	U
120-83-2	2,4-Dichlorophenol	270	U
120-82-1	1,2,4-Trichlorobenzene	1000	
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	270	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	1447	
91-57-6	2-Methylnaphthalene	270	U
77-47-4	Hexachlorocyclopentadiene	20	J
88-06-2	2,4,6-Trichlorophenol	270	U
95-95-4	2,4,5-Trichlorophenol	37	J
91-58-7	2-Chloronaphthalene	270	U
88-74-4	2-Nitroaniline	674	U
131-11-3	Dimethylphthalate	270	U
208-96-8	Acenaphthylene	270	U
606-20-2	2,6-Dinitrotoluene	270	U
-09-2	3-Nitroaniline	674	U
83-32-9	Acenaphthene	974	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08MS

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08MS

Sample wt/vol: 50.1 (g/mL) G Lab File ID: >U0316

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1105	
100-02-7	4-Nitrophenol	1817	
132-64-9	Dibenzofuran	270	U
121-14-2	2,4-Dinitrotoluene	270	U
66-2	Diethylphthalate	270	U
005-72-3	4-chlorophenyl-phenylether	270	U
86-73-7	Fluorene	270	U
100-01-6	4-Nitroaniline	674	U
534-52-1	4,6-Dinitro-2-methylphenol	674	U
86-30-6	N-Nitrosodiphenylamine (1)	270	U
101-55-3	4-Bromophenyl-phenylether	270	U
118-74-1	Hexachlorobenzene	270	U
87-86-5	Pentachlorophenol	2065	
85-01-8	Phenanthrene	70	J
120-12-7	Anthracene	270	U
86-74-8	Carbazole	270	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	85	J
129-00-0	Pyrene	1497	
85-68-7	Butylbenzylphthalate	270	U
91-94-1	3,3'-Dichlorobenzidine	270	U
56-55-3	Benzo(a)anthracene	43	
218-01-9	Chrysene	67	
117-81-7	bis(2-Ethylhexyl)phthalate	409	B
117-84-0	Di-n-octylphthalate	270	U
205-99-2	Benzo(b)fluoranthene	87	
207-08-9	Benzo(k)fluoranthene	30	J
50-32-8	Benzo(a)pyrene	36	J
193-39-5	Indeno(1,2,3-cd)pyrene	40	U
53-70-3	Dibenz(a,h)anthracene	40	U
191-24-2	Benzo(g,h,i)perylene	270	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08MSD

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08MSD

Sample wt/vol: 50.1 (g/mL) G Lab File ID: >U0317

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	1422	
111-44-4	bis(2-Chloroethyl)ether	270	U
95-57-8	2-Chlorophenol	1409	
541-73-1	1,3-Dichlorobenzene	270	U
6-46-7	1,4-Dichlorobenzene	1058	
5-50-1	1,2-Dichlorobenzene	270	U
95-48-7	2-Methylphenol	270	U
108-60-1	2,2'-oxybis(1-Chloropropane)	270	U
106-44-5	4-Methylphenol	270	U
621-64-7	N-Nitroso-di-n-propylamine	1070	
67-72-1	Hexachloroethane	270	U
98-95-3	Nitrobenzene	270	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	270	U
111-91-1	bis(2-Chloroethoxy)methane	270	U
120-83-2	2,4-Dichlorophenol	270	U
120-82-1	1,2,4-Trichlorobenzene	1027	
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	270	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	1482	
91-57-6	2-Methylnaphthalene	270	U
77-47-4	Hexachlorocyclopentadiene	62	J
88-06-2	2,4,6-Trichlorophenol	270	U
95-95-4	2,4,5-Trichlorophenol	30	J
91-58-7	2-Chloronaphthalene	270	U
88-74-4	2-Nitroaniline	674	U
131-11-3	Dimethylphthalate	270	U
208-96-8	Acenaphthylene	270	U
606-20-2	2,6-Dinitrotoluene	270	U
-09-2	3-Nitroaniline	674	U
3-32-9	Acenaphthene	1009	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08MSD

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08MSD

Sample wt/vol: 50.1 (g/mL) G Lab File ID: >U0317

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	1151	
100-02-7	4-Nitrophenol	1851	
132-64-9	Dibenzofuran	270	U
121-14-2	2,4-Dinitrotoluene	270	U
-66-2	Diethylphthalate	270	U
7005-72-3	4-chlorophenyl-phenylether	270	U
86-73-7	Fluorene	270	U
100-01-6	4-Nitroaniline	674	U
534-52-1	4,6-Dinitro-2-methylphenol	674	U
86-30-6	N-Nitrosodiphenylamine (1)	270	U
101-55-3	4-Bromophenyl-phenylether	270	U
118-74-1	Hexachlorobenzene	270	U
87-86-5	Pentachlorophenol	2127	
85-01-8	Phenanthrene	42	J
120-12-7	Anthracene	270	U
86-74-8	Carbazole	270	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	42	J
129-00-0	Pyrene	1713	
85-68-7	Butylbenzylphthalate	270	U
91-94-1	3,3'-Dichlorobenzidine	270	U
56-55-3	Benzo(a)anthracene	27	J
218-01-9	Chrysene	36	J
117-81-7	bis(2-Ethylhexyl)phthalate	248	B
117-84-0	Di-n-octylphthalate	270	U
205-99-2	Benzo(b)fluoranthene	35	J
207-08-9	Benzo(k)fluoranthene	40	U
50-32-8	Benzo(a)pyrene	40	U
193-39-5	Indeno(1,2,3-cd)pyrene	40	U
53-70-3	Dibenz(a,h)anthracene	40	U
191-24-2	Benzo(g,h,i)perylene	270	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-10/11

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-10/11

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0904

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 34 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
56-55-3	Benzo(a)anthracene	45	U
218-01-9	Chrysene	45	U
205-99-2	Benzo(b)fluoranthene	35	J
07-08-9	Benzo(k)fluoranthene	45	U
0-32-8	Benzo(a)pyrene	45	U
193-39-5	Indeno(1,2,3-cd)pyrene	45	U
53-70-3	Dibenz(a,h)anthracene	45	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12

Sample wt/vol: 50.0 (g/mL) G Lab File ID: >U0322

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	301	
218-01-9	Chrysene	593	
205-99-2	Benzo(b)fluoranthene	386	
207-08-9	Benzo(k)fluoranthene	156	
50-32-8	Benzo(a)pyrene	304	
193-39-5	Indeno(1,2,3-cd)pyrene	190	
53-70-3	Dibenz(a,h)anthracene	35	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12RE

Sample wt/vol: 50.0 (g/mL) G Lab File ID: >U0905

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	310	
218-01-9	Chrysene	644	
205-99-2	Benzo(b)fluoranthene	482	
207-08-9	Benzo(k)fluoranthene	206	
50-32-8	Benzo(a)pyrene	326	
193-39-5	Indeno(1,2,3-cd)pyrene	180	
53-70-3	Dibenz(a,h)anthracene	35	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12B

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U1302

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 18 decanted:(Y/N) N Date Extracted: 09/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	41	
218-01-9	Chrysene	76	
205-99-2	Benzo(b)fluoranthene	96	
7-08-9	Benzo(k)fluoranthene	31	
-32-8	Benzo(a)pyrene	58	
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0805

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.1

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
56-55-3	Benzo(a)anthracene	47	
218-01-9	Chrysene	61	
205-99-2	Benzo(b)fluoranthene	104	
207-08-9	Benzo(k)fluoranthene	35	J
50-32-8	Benzo(a)pyrene	46	
193-39-5	Indeno(1,2,3-cd)pyrene	27	J
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13RE

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0906

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	49	
218-01-9	Chrysene	59	
205-99-2	Benzo(b)fluoranthene	104	
207-08-9	Benzo(k)fluoranthene	41	
50-32-8	Benzo(a)pyrene	47	
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0806

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	57	
205-99-2	Benzo(b)fluoranthene	110	
7-08-9	Benzo(k)fluoranthene	33	
-32-8	Benzo(a)pyrene	51	
193-39-5	Indeno(1,2,3-cd)pyrene	26	
53-70-3	Dibenz(a,h)anthracene	37	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0907

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	46	
205-99-2	Benzo(b)fluoranthene	97	
7-08-9	Benzo(k)fluoranthene	45	
50-32-8	Benzo(a)pyrene	41	
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0802

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 9 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	33	U
218-01-9	Chrysene	124	
205-99-2	Benzo(b)fluoranthene	33	U
207-08-9	Benzo(k)fluoranthene	33	U
-32-8	Benzo(a)pyrene	33	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	U
53-70-3	Dibenz(a,h)anthracene	33	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15RE

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0908

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 9 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	33	U
218-01-9	Chrysene	136	
05-99-2	Benzo(b)fluoranthene	33	U
7-08-9	Benzo(k)fluoranthene	33	U
50-32-8	Benzo(a)pyrene	33	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	U
53-70-3	Dibenz(a,h)anthracene	33	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-25

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-25

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0803

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 15 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	117	
218-01-9	Chrysene	533	
205-99-2	Benzo(b)fluoranthene	473	
207-08-9	Benzo(k)fluoranthene	182	
50-32-8	Benzo(a)pyrene	234	
193-39-5	Indeno(1,2,3-cd)pyrene	154	
53-70-3	Dibenz(a,h)anthracene	35	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-25RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-25RE

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0909

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 15 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	114	
218-01-9	Chrysene	488	
205-99-2	Benzo(b)fluoranthene	445	
7-08-9	Benzo(k)fluoranthene	171	
50-32-8	Benzo(a)pyrene	234	
193-39-5	Indeno(1,2,3-cd)pyrene	151	
53-70-3	Dibenz(a,h)anthracene	35	U

PESTICIDES/PCBS

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FB

% Moisture: _____ decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/01/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U J
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U J
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U J
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.03	PJ K
5103-74-2	gamma-Chlordane	0.06	P K
8001-35-2	Toxaphene	5.00	U
12674-11-2	Aroclor-1016	1.00	U
11104-28-2	Aroclor-1221	2.00	U
11141-16-5	Aroclor-1232	1.00	U
53469-21-9	Aroclor-1242	1.00	U
12672-29-6	Aroclor-1248	1.00	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL01

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL01

Sample wt/vol: 35 (g/mL) g Lab File ID: SL01

% Moisture: 23 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94
9/6/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 4.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	7.3	P
5103-71-9	alpha-Chlordane	7.6	
5103-74-2	gamma-Chlordane	7.1	P
12674-11-2	Aroclor-1016	37.1	U
11104-28-2	Aroclor-1221	74.2	U
11141-16-5	Aroclor-1232	37.1	U
53469-21-9	Aroclor-1242	37.1	U
12672-29-6	Aroclor-1248	37.1	U
11097-69-1	Aroclor-1254	37.1	U
11096-82-5	Aroclor-1260	37.1	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL03

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL03

Sample wt/vol: 35.3 (g/mL) g Lab File ID: SL03

% Moisture: 16 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3 ----------	4,4'-DDT	103.8	EY
5103-71-9 ----------	alpha-Chlordane	415.0	EY
5103-74-2 ----------	gamma-Chlordane	417.0	EY
12674-11-2 ----------	Aroclor-1016	33.7	UY
11104-28-2 ----------	Aroclor-1221	67.4	UY
11141-16-5 ----------	Aroclor-1232	33.7	UY
53469-21-9 ----------	Aroclor-1242	33.7	UY
12672-29-6 ----------	Aroclor-1248	33.7	UY
11097-69-1 ----------	Aroclor-1254	33.7	UY
11096-82-5 ----------	Aroclor-1260	1051.0	EY

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL03DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL03DL

Sample wt/vol: 35.3 (g/mL) g Lab File ID: SL03DL

% Moisture: 16 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94

9/5/94

Injection Volume: 2 (uL) Dilution Factor: 25

25

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3 ----------	4,4'-DDT	84.3	DU
5103-71-9 ----------	alpha-Chlordane	357.0	DP
5103-74-2 ----------	gamma-Chlordane	429.0	D
12674-11-2 ----------	Aroclor-1016	843.1	DU
11104-28-2 ----------	Aroclor-1221	1686.2	DU
11141-16-5 ----------	Aroclor-1232	843.1	DU
53469-21-9 ----------	Aroclor-1242	843.1	DU
12672-29-6 ----------	Aroclor-1248	843.1	DU
11097-69-1 ----------	Aroclor-1254	843.1	DU
11096-82-5 ----------	Aroclor-1260	979.0	DP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL04

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL04

Sample wt/vol: 35.1 (g/mL) g Lab File ID: SL04

% Moisture: 12 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94
9/6/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.2	U
72-55-9	4,4'-DDE	3.2	U
72-20-8	Endrin	3.2	U
33213-65-9	Endosulfan II	3.2	U
72-54-8	4,4'-DDD	4.4	P
1031-07-8	Endosulfan sulfate	3.2	U
50-29-3	4,4'-DDT	4.3	P
72-43-5	Methoxychlor	16.2	U
53494-70-5	Endrin ketone	3.2	U
7421-36-3	Endrin aldehyde	3.2	U
5103-71-9	alpha-Chlordane	5.7	P
5103-74-2	gamma-Chlordane	5.2	P
8001-35-2	Toxaphene	161.9	U
12674-11-2	Aroclor-1016	32.4	U
11104-28-2	Aroclor-1221	64.8	U
11141-16-5	Aroclor-1232	32.4	U
53469-21-9	Aroclor-1242	32.4	U
12672-29-6	Aroclor-1248	32.4	U
11097-69-1	Aroclor-1254	32.4	U
11096-82-5	Aroclor-1260	32.4	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL05

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL05

Sample wt/vol: 35.3 (g/mL) g Lab File ID: SL05

% Moisture: 14 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	31.7	EY
5103-71-9	alpha-Chlordane	993.0	EY
5103-74-2	gamma-Chlordane	525.0	EY
12674-11-2	Aroclor-1016	32.9	UY
11104-28-2	Aroclor-1221	65.9	UY
11141-16-5	Aroclor-1232	32.9	UY
53469-21-9	Aroclor-1242	32.9	UY
12672-29-6	Aroclor-1248	32.9	UY
11097-69-1	Aroclor-1254	32.9	UY
11096-82-5	Aroclor-1260	32.9	UY

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL05DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL05DL

Sample wt/vol: 35.3 (g/mL) g Lab File ID: SL05DL

% Moisture: 14 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 9/6/94 50

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) 50 N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	35.0	PDJ
5103-71-9	alpha-Chlordane	673.0	PD
5103-74-2	gamma-Chlordane	819.0	PD
12674-11-2	Aroclor-1016	1647.0	DU
11104-28-2	Aroclor-1221	3294.0	DU
11141-16-5	Aroclor-1232	1647.0	DU
53469-21-9	Aroclor-1242	1647.0	DU
12672-29-6	Aroclor-1248	1647.0	DU
11097-69-1	Aroclor-1254	1647.0	DU
11096-82-5	Aroclor-1260	1647.0	DU

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL6/7

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL6/7

Sample wt/vol: 35.2 (g/mL) g Lab File ID: SL6/7

% Moisture: 17 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94 9/6/94

Injection Volume: 2 (uL) Dilution Factor: 1 1

GPC Cleanup: (Y/N) y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	UJ
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	UJ
58-89-9	gamma-BHC (Lindane)	1.7	UJ
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	UJ
72-55-9	4,4'-DDE	3.1	JP
72-20-8	Endrin	3.4	UJ
33213-65-9	Endosulfan II	3.4	UJ
72-54-8	4,4'-DDD	3.9	P
1031-07-8	Endosulfan sulfate	3.4	UJ
50-29-3	4,4'-DDT	5.6	J
72-43-5	Methoxychlor	17.1	UJ
53494-70-5	Endrin ketone	3.4	UJ
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	2.8	P
5103-74-2	gamma-Chlordane	6.3	
8001-35-2	Toxaphene	171.1	U
12674-11-2	Aroclor-1016	34.2	U
11104-28-2	Aroclor-1221	68.5	U
11141-16-5	Aroclor-1232	34.2	U
53469-21-9	Aroclor-1242	34.2	U
12672-29-6	Aroclor-1248	34.2	U
11097-69-1	Aroclor-1254	34.2	U
11096-82-5	Aroclor-1260	34.2	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL08DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL08DL

Sample wt/vol: 35.2 (g/mL) g Lab File ID: SL08DL

% Moisture: 26 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 9/6/94 1000 1000

GPC Cleanup: (Y/N) y pH: 4.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	933	DJP
5103-71-9	alpha-Chlordane	22850	D
5103-74-2	gamma-Chlordane	27700	D
12674-11-2	Aroclor-1016	38391	U
11104-28-2	Aroclor-1221	76781	U
11141-16-5	Aroclor-1232	38391	U
53469-21-9	Aroclor-1242	38391	U
12672-29-6	Aroclor-1248	38391	U
11097-69-1	Aroclor-1254	38391	U
11096-82-5	Aroclor-1260	38391	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL08B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL08B

Sample wt/vol: 35 (g/mL) g Lab File ID: SL08B

% Moisture: 21 decanted: (Y/N) n Date Received: 09/09/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	75.2	PE
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	35.0	PE
72-43-5	Methoxychlor	18.1	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	498.0	EP
5103-74-2	gamma-Chlordane	653.0	EP
8001-35-2	Toxaphene	180.8	U
12674-11-2	Aroclor-1016	36.2	U
11104-28-2	Aroclor-1221	72.3	U
11141-16-5	Aroclor-1232	36.2	U
53469-21-9	Aroclor-1242	36.2	U
12672-29-6	Aroclor-1248	36.2	U
11097-69-1	Aroclor-1254	36.2	U
11096-82-5	Aroclor-1260	36.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL08BDL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL08BDL

Sample wt/vol: 35 (g/mL) g Lab File ID: SL08BDL

% Moisture: 21 decanted: (Y/N) n Date Received: 09/09/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 200
200

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	362	UD J
319-85-7	beta-BHC	362	UD
319-86-8	delta-BHC	362	UD J
58-89-9	gamma-BHC (Lindane)	362	UD
76-44-8	Heptachlor	362	UD
309-00-2	Aldrin	362	UD
1024-57-3	Heptachlor epoxide	362	UD J
959-98-8	Endosulfan I	362	UD
60-57-1	Dieldrin	723	UD
72-55-9	4,4'-DDE	723	UD J
72-20-8	Endrin	723	UD
33213-65-9	Endosulfan II	723	UD J
72-54-8	4,4'-DDD	723	UD
1031-07-8	Endosulfan sulfate	723	UD J
50-29-3	4,4'-DDT	723	UD J
72-43-5	Methoxychlor	3617	UD J
53494-70-5	Endrin ketone	723	UD J
7421-36-3	Endrin aldehyde	723	UD J
5103-71-9	alpha-Chlordane	2210	DP
5103-74-2	gamma-Chlordane	1996	DP J
8001-35-2	Toxaphene	36166	UD
12674-11-2	Aroclor-1016	7233	UD
11104-28-2	Aroclor-1221	14467	UD
11141-16-5	Aroclor-1232	7233	UD
53469-21-9	Aroclor-1242	7233	UD
12672-29-6	Aroclor-1248	7233	UD
11097-69-1	Aroclor-1254	7233	UD
11096-82-5	Aroclor-1260	7233	UD

0084

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL10/11

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL10/11

Sample wt/vol: 35.1 (g/mL) g Lab File ID: SL10/11

% Moisture: 34 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	3.5	JY
5103-71-9	alpha-Chlordane	77.8	EY
5103-74-2	gamma-Chlordane	82.5	EY
12674-11-2	Aroclor-1016	43.2	UY
11104-28-2	Aroclor-1221	86.3	UY
11141-16-5	Aroclor-1232	43.2	UY
53469-21-9	Aroclor-1242	43.2	UY
12672-29-6	Aroclor-1248	43.2	UY
11097-69-1	Aroclor-1254	43.2	UY
11096-82-5	Aroclor-1260	43.2	UY

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL10/11DL

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

Lab Code: RI010

SDG No.: NETL18-1

Matrix: (soil/water) soil

Lab Sample ID: SL10/11DL

Sample wt/vol: 35.1 (g/mL) g

Lab File ID: SL10/11DL

% Moisture: 34

decanted: (Y/N) n

Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 09/06/94
9/13/94

Injection Volume: 2 (uL)

Dilution Factor: 10
10

GPC Cleanup: (Y/N) y

pH: 6

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	43.2	UD
5103-71-9	alpha-Chlordane	140.0	D
5103-74-2	gamma-Chlordane	153.0	D
12674-11-2	Aroclor-1016	431.7	UD
11104-28-2	Aroclor-1221	863.3	UD
11141-16-5	Aroclor-1232	431.7	UD
53469-21-9	Aroclor-1242	431.7	UD
12672-29-6	Aroclor-1248	431.7	UD
11097-69-1	Aroclor-1254	431.7	UD
11096-82-5	Aroclor-1260	431.7	UD

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL12

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL12

Sample wt/vol: 35.6 (g/mL) g Lab File ID: SL12

% Moisture: 14 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94

9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1

1

GPC Cleanup: (Y/N) y pH: 5.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	50.5	EP
5103-71-9	alpha-Chlordane	35.2	EP
5103-74-2	gamma-Chlordane	35.1	EP
12674-11-2	Aroclor-1016	32.7	U
11104-28-2	Aroclor-1221	65.3	U
11141-16-5	Aroclor-1232	32.7	U
53469-21-9	Aroclor-1242	32.7	U
12672-29-6	Aroclor-1248	32.7	U
11097-69-1	Aroclor-1254	32.7	U
11096-82-5	Aroclor-1260	74.6	PJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL12DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL12DL

Sample wt/vol: 35.6 (g/mL) g Lab File ID: SL12DL

% Moisture: 14 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 10
25

GPC Cleanup: (Y/N) y pH: 5.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	179.0	DP
5103-71-9	alpha-Chlordane	103.0	DP J
5103-74-2	gamma-Chlordane	180.0	DP
12674-11-2	Aroclor-1016	326.6	DU
11104-28-2	Aroclor-1221	653.3	DU
11141-16-5	Aroclor-1232	326.6	DU
53469-21-9	Aroclor-1242	326.6	DU
12672-29-6	Aroclor-1248	326.6	DU
11097-69-1	Aroclor-1254	326.6	DU
11096-82-5	Aroclor-1260	416.0	D

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL13

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL13

Sample wt/vol: 35.3 (g/mL) g Lab File ID: SL13

% Moisture: 23 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94 / 9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1 / 1

GPC Cleanup: (Y/N) y pH: 5.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3 ----------	4,4'-DDT	5.9	P
5103-71-9 ----------	alpha-Chlordane	4.4	P
5103-74-2 ----------	gamma-Chlordane	5.7	P
12674-11-2 ----------	Aroclor-1016	36.8	U
11104-28-2 ----------	Aroclor-1221	73.6	U
11141-16-5 ----------	Aroclor-1232	36.8	U
53469-21-9 ----------	Aroclor-1242	36.8	U
12672-29-6 ----------	Aroclor-1248	36.8	U
11097-69-1 ----------	Aroclor-1254	36.8	U
11096-82-5 ----------	Aroclor-1260	35.5	JP

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL14

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL14

Sample wt/vol: 35 (g/mL) g Lab File ID: SL14

% Moisture: 19 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/05/94

9/6/94

Injection Volume: 2 (uL) Dilution Factor: 1

1

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3 ----------	4,4'-DDT	32.3	P
5103-71-9 ----------	alpha-Chlordane	26.5	
5103-74-2 ----------	gamma-Chlordane	22.5	P
12674-11-2 ----------	Aroclor-1016	35.3	U
11104-28-2 ----------	Aroclor-1221	70.5	U
11141-16-5 ----------	Aroclor-1232	35.3	U
53469-21-9 ----------	Aroclor-1242	35.3	U
12672-29-6 ----------	Aroclor-1248	35.3	U
11097-69-1 ----------	Aroclor-1254	35.3	U
11096-82-5 ----------	Aroclor-1260	698.0	E

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL14DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL14DL

Sample wt/vol: 35 (g/mL) g Lab File ID: SL14DL

% Moisture: 19 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94

9/6/94

Injection Volume: 2 (uL) Dilution Factor: 5

5

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	47.0	DP
5103-71-9	alpha-Chlordane	8.8	DU
5103-74-2	gamma-Chlordane	8.8	DU
12674-11-2	Aroclor-1016	176.4	DU
11104-28-2	Aroclor-1221	352.7	DU
11141-16-5	Aroclor-1232	176.4	DU
53469-21-9	Aroclor-1242	176.4	DU
12672-29-6	Aroclor-1248	176.4	DU
11097-69-1	Aroclor-1254	176.4	DU
11096-82-5	Aroclor-1260	1328.0	DP

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL14B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL14B

Sample wt/vol: 35.6 (g/mL) g Lab File ID: SL14B

% Moisture: 25 decanted: (Y/N) n Date Received: 09/09/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37.5	U
11104-28-2	Aroclor-1221	74.9	U
11141-16-5	Aroclor-1232	37.5	U
53469-21-9	Aroclor-1242	37.5	U
12672-29-6	Aroclor-1248	37.5	U
11097-69-1	Aroclor-1254	37.5	U
11096-82-5	Aroclor-1260	538.0	P

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL15

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL15

Sample wt/vol: 35.4 (g/mL) g Lab File ID: SL15

% Moisture: 9 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	1.9	JP
5103-71-9	alpha-Chlordane	7.6	P
5103-74-2	gamma-Chlordane	12.1	P
12674-11-2	Aroclor-1016	31.0	U
11104-28-2	Aroclor-1221	62.1	U
11141-16-5	Aroclor-1232	31.0	U
53469-21-9	Aroclor-1242	31.0	U
12672-29-6	Aroclor-1248	31.0	U
11097-69-1	Aroclor-1254	31.0	U
11096-82-5	Aroclor-1260	31.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL25

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL25

Sample wt/vol: 35.4 (g/mL) g Lab File ID: SL25

% Moisture: 15 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 5.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
-29-3	4,4'-DDT	142.0	EP
5103-71-9	alpha-Chlordane	32.1	EP
5103-74-2	gamma-Chlordane	77.7	EP
12674-11-2	Aroclor-1016	33.2	U
11104-28-2	Aroclor-1221	66.5	U
11141-16-5	Aroclor-1232	33.2	U
53469-21-9	Aroclor-1242	33.2	U
12672-29-6	Aroclor-1248	33.2	U
11097-69-1	Aroclor-1254	33.2	U
11096-82-5	Aroclor-1260	224.0	P

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL25DL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: SL25DL

Sample wt/vol: 35.4 (g/mL) g Lab File ID: SL25DL

% Moisture: 15 decanted: (Y/N) n Date Received: 08/31/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/06/94

9/13/94

Injection Volume: 2 (uL) Dilution Factor: 10

25

GPC Cleanup: (Y/N) y pH: 5.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
0-29-3	4,4'-DDT	218.0	DP
5103-71-9	alpha-Chlordane	158.0	DP
5103-74-2	gamma-Chlordane	218.0	DP
12674-11-2	Aroclor-1016	332.3	DU
11104-28-2	Aroclor-1221	664.7	DU
11141-16-5	Aroclor-1232	332.3	DU
53469-21-9	Aroclor-1242	332.3	DU
12672-29-6	Aroclor-1248	332.3	DU
11097-69-1	Aroclor-1254	332.3	DU
11096-82-5	Aroclor-1260	386.6	PD

SURROGATES
VOLATILES

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK03	95	90	105		0
02	TRIP BLANK	102	98	99		0
03	FIELD BLANK	101	100	102		0
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD\RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK01	102	94	93		0
02	SL-01	104	88	95		0
03	SL-03(A)	100	87	95		0
04	SL-08(B)	103	89	104		0
05	SL-05	104	86	100		0
06	SL-10/11	102	87	96		0
07	SL-12	102	87	97		0
08	SL-13	95	88	103		0
09	SL-14	106	91	100		0
10	SL-15	102	86	100		0
11	SL-25	103	87	96		0
12	VBLK02	100	96	106		0
13	SL-04	103	91	106		0
14	SL-6/7	98	93	101		0
15	SL-08	109	92	107		0
16	SL-08 MS	100	96	101		0
17	SL-08	109	104	102		0
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMIVOLATILES

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL18-1

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	FIELD BLANK	80	72	112	41	60	73	64	61	0
02	SBLKW1	80	71	107	29	46	65	64	59	0
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
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17										
18										
19										
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21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(35-114)	
S2 (FBP) = 2-Fluorobiphenyl	(43-116)	
S3 (TPH) = Terphenyl-d14	(33-141)	
S4 (PHL) = Phenol-d5	(10-110)	
S5 (2FP) = 2-Fluorophenol	(21-110)	
S6 (TBP) = 2,4,6-Tribromophenol	(10-123)	
S7 (2CP) = 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL18-1

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKS1	72	74	91	67	63	58	60	62	0
02	SL-01	76	75	111					64	0
03	SL-03	73	70	119					61	0
04	SL-04	83	79	111	71	73	87	67	66	0
05	SL-05	75	68	89					61	0
06	SL-6/7	76	74	88	67	65	72	63	64	0
07	SL-08	81	80	108	70	70	85	66	66	0
08	SL-08 MS	81	77	129	74	72	83	68	67	0
09	SL-08 MSD	76	77	142 *	74	73	85	68	65	1
10	SL-10/11	74	69	98					64	0
11	SL-12	81	79	137					67	0
12	SL-12B	61	59	77					60	0
13	SL-13	84	75	140 *					72	1
14	SL-14	88	78	174 *					72	1
15	SL-15	77	90	134					64	0
16	SL-25	86	81	125					71	0
17										
18										
19										
20										
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	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(23-120)	
S2 (FBP) = 2-Fluorobiphenyl	(30-115)	
S3 (TPH) = Terphenyl-d14	(18-137)	
S4 (PHL) = Phenol-d5	(24-113)	
S5 (2FP) = 2-Fluorophenol	(25-121)	
S6 (TBP) = 2,4,6-Tribromophenol	(19-122)	
S7 (2CP) = 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

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

PESTICIDES/PCBS

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 Case No.: SDG No.: NETL18-1

GC Column(1): DB1701 ID: 0.53 soil GC Column(2): DB608 ID: 0.53 0 (mm)

	EPA SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	FB	136		96		70		69				0
02	PBLK02W	54	*	86		37	*	75				2
03												
04												
05												
06												
07												
08												
09												
10												
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30												

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

0103

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 Case No.: SDG No.: NETL18-1

GC Column(1): DB1701 ID: 0.53 soil GC Column(2): DB608 ID: 0.53 0 (mm)

	EPA SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	SL03	63		92		73		77				0
02	SL03DL	0	D	0	D	0	D	0	D			0
03	sl8dl1000	0	D	0	D	0	D	0	D			0
04	sl01	86		92		33	*	60				1
05	sl04	66		78		36	*	37	*			2
06	SLO5	126		123		58	*	82				1
07	sl05dl	0	D	0	D	0	D	0	D			0
08	sl14	77		85		73		140				0
09	SL14DL	0	D	0	D	0	D	0	D			0
10	sl6/7	91		85		40	*	36	*			2
11	PBLK01	72		126		50	*	104				1
12	SL13	64		69		40	*	53	*			2
13	SL15	54	*	73		18	*	39	*			3
14	SL10/11	55	*	92		55	*	77				2
15	sl10/11dl	0	D	0	D	0	D	0	D			0
16	SL12	58	*	90		0		58	*			3
17	SL25	75		90		35	*	48	*			2
18	SL08BDL	0	D	0	D	0	D	0	D			0
19	SL14B	30	*	106		69		160	*			2
20	SL08B	28	*	103		42	*	38	*			3
21	SL08BMS	40	*	108		37	*	34	*			3
22	SL08BMSD	31	*	112		160	*	93				2
23	SL12DL	0	D	0	D	0	D	0	D			0
24	SL25DL	0	D	0	D	0	D	0	D			0
25	SL14BDL	0	D	0	D	0	D	0	D			0
26	GPCCHK	87				56	*					1
27	FLORCHK	87				71						0
28												
29												
30												

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

0104

MS/MSD
VOLATILES

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD\RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix Spike - EPA Sample No.: SL-08

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	32.2	0.0	33.2	103		59-172
Trichloroethene	32.2	0.0	28.3	88		62-137
Benzene	32.2	0.0	31.0	96		66-142
Toluene	32.2	0.0	30.2	94		59-139
Chlorobenzene	32.2	0.0	31.0	96		60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	31.9	32.9	103		0		22	59-172
Trichloroethene	31.9	28.5	89		1		24	62-137
Benzene	31.9	30.3	95		1		21	66-142
Toluene	31.9	30.7	96		2		21	59-139
Chlorobenzene	31.9	30.9	97		1		21	60-133

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: SAMPLE WEIGHT 5.144 % SOLIDS 74

MS WEIGHT 5.246 MSD WEIGHT 5.301

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0202 Lab Sample ID: VBLK01

Date Analyzed: 09/02/94 Time Analyzed: 1142

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SL-01	SL-01	S0203	1216
02	SL-03(A)	SL-03(A)	S0204	1251
03	SL-03(B)	SL-03(B)	S0205	1320
04	SL-05	SL-05	S0206	1354
05	SL-10/11	SL-10/11	S0207	1423
06	SL-12	SL-12	S0208	1452
07	SL-13	SL-13	S0209	1521
08	SL-14	SL-14	S0210	1551
09	SL-15	SL-15	S0211	1620
10	SL-25	SL-25	S0212	1650
11				
12				
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COMMENTS:

SEMIVOLATILES

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix Spike - EPA Sample No.: SL-08 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2022	0	1380	68	26- 90
2-Chlorophenol	2022	0	1339	66	25-102
1,4-Dichlorobenzene	1348	0	1024	76	28-104
N-Nitroso-di-n-prop.(1)	1348	0	1085	80	41-126
1,2,4-Trichlorobenzene	1348	0	999	74	38-107
4-Chloro-3-methylphenol	2022	0	1447	72	26-103
Acenaphthene	1348	0	973	72	31-137
4-Nitrophenol	2022	0	1816	90	11-114
2,4-Dinitrotoluene	1348	0	1104	82	28- 89
Pentachlorophenol	2022	55	2064	99	17-109
Pyrene	1348	99	1496	104	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2024	1423	70	3	35	26- 90
2-Chlorophenol	2024	1410	70	6	50	25-102
1,4-Dichlorobenzene	1349	1059	78	3	27	28-104
N-Nitroso-di-n-prop.(1)	1349	1071	79	1	38	41-126
1,2,4-Trichlorobenzene	1349	1028	76	3	23	38-107
4-Chloro-3-methylphenol	2024	1483	73	1	33	26-103
Acenaphthene	1349	1009	75	4	19	31-137
4-Nitrophenol	2024	1852	91	1	50	11-114
2,4-Dinitrotoluene	1349	1152	85	4	47	28- 89
Pentachlorophenol	2024	2128	102	3	47	17-109
Pyrene	1349	1715	120	14	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

PESTICIDES/PCBS

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: NETL 18-1

Lab Code: RI010 Case No.: SAS No.: SDG No.: G&H RD/R

Matrix Spike - EPA Sample No.: 8B

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC. LIMITS REC.
gamma-BHC(Lindane)	19	0	0	0	*	46-127
Heptachlor	19	0	0	0	*	35-130
Aldrin	19	0	0	0	*	34-132
Dieldrin	38	0	0	0	*	31-134
Endrin	38	0	256	674	*	42-139
4,4'-DDT	38	35	42.1	19	*	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	19	0	0	*			50	46-127
Heptachlor	19	0	0	*			31	35-130
Aldrin	19	0	0	*			43	34-132
Dieldrin	38	0	0	*			38	31-134
Endrin	38	0	0	*	200	*	45	42-139
4,4'-DDT	38	54.3	51		91	*	50	23-134

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

* Values outside of QC limits

RPD: 6 out of 6 outside limits

Spike Recovery: 11 out of 12 outside limits

COMMENTS Please see narative

BLANKS
VOLATILES

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0404 Lab Sample ID: VBLK02

Date Analyzed: 09/04/94 Time Analyzed: 1204

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SL-04	SL-04	S0405	1233
02	SL-6/7	SL-6/7	S0406	1258
03	SL-08	SL-08	S0407	1327
04	SL-08 MS	SL-08 MS	S0408	1357
05	SL-08 MSD	SL-08 MSD	S0409	1425
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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30				

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK03

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0702 Lab Sample ID: VBLK03

Date Analyzed: 09/07/94 Time Analyzed: 0749

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP BLANK	TRIP BLANK	S0703	0819
02	FIELD BLANK	FIELD BLANK	S0704	0844
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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COMMENTS:

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK01

Sample wt/vol: 5.361 (g/mL) g Lab File ID: S0202

Level: (low/med) low Date Received:

% Moisture: not dec. 0 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
127-18-4	Tetrachloroethene	1.0	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.153 (g/mL) g Lab File ID: S0404

Level: (low/med) Low Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	5.6	
67-64-1	Acetone	6.3	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	13.1	
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.153 (g/mL) g Lab File ID: S0404

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00012-43-7	BORIC ACID ,TRIMETHYL ESTER	2.91	7.2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
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30.					

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: New england Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0702

Level: (low/med) Low Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.5	
67-64-1	Acetone	1.3	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0702

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 00110-54-3	HEXANE	4.42	4.4	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
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27.				
28.				
29.				
30.				

SEMIVOLATILES

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKS1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0308 Lab Sample ID: SBLKS1

Instrument ID: MACH 2 Date Extracted: 09/01/94

Matrix: (soil/water) SOIL Date Analyzed: 09/05/94

Level: (low/med) LOW Time Analyzed: 1907

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SL-01	SL-01	>U0318	09/06/94
02	SL-03	SL-03	>U0804	09/08/94
03	SL-04	SL-04	>U0310	09/05/94
04	SL-05	SL-05	>U0903	09/06/94
05	SL-6/7	SL-6/7	>U0314	09/06/94
06	SL-08	SL-08	>U0315	09/06/94
07	SL-08 MS	SL-08 MS	>U0316	09/06/94
08	SL-08 MSD	SL-08 MSD	>U0317	09/06/94
09	SL-10/11	SL-10/11	>U0904	09/06/94
10	SL-12	SL-12	>U0322	09/06/94
11	SL-12B	SL-12B	>U1302	09/13/94
12	SL-13	SL-13	>U0805	09/08/94
13	SL-14	SL-14	>U0806	09/08/94
14	SL-15	SL-15	>U0802	09/08/94
15	SL-25	SL-25	>U0803	09/08/94
16				
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29				

COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0308

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 0 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
6-46-7	1,4-Dichlorobenzene	330	U
5-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
9-09-2	3-Nitroaniline	800	U
3-32-9	Acenaphthene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0308

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 0 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
66-2	Diethylphthalate	330	U
005-72-3	4-chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	22	J
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	49	U
218-01-9	Chrysene	49	U
117-81-7	bis(2-Ethylhexyl)phthalate	28	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	49	U
207-08-9	Benzo(k)fluoranthene	49	U
50-32-8	Benzo(a)pyrene	49	U
193-39-5	Indeno(1,2,3-cd)pyrene	49	U
53-70-3	Dibenz(a,h)anthracene	49	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) soil Lab Sample ID: SBLKS1

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >U0308

Level: (low/med) low Date Received: 08/31/94

%Moisture: 0 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKW1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0309 Lab Sample ID: SBLKW1

Instrument ID: MACH 2 Date Extracted: 09/01/94

Matrix: (soil/water) WATER Date Analyzed: 09/05/94

Level: (low/med) LOW Time Analyzed: 2020

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	FIELD BLANK	FIELD BLANK	>U0307	09/05/94
02				
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04				
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COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0309

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
06-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
9-09-2	3-Nitroaniline	25	U
3-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0309

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) water Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: >U0309

Level: (low/med) low Date Received: 08/31/94

%Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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PESTICIDES/PCBS

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

pblk02

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-

Lab Sample ID: pblk02 Lab File ID: pblk02

Matrix: (soil/water) water Extraction:(SepF/Cont/Sonc) sep

Sulfur Cleanup: (Y/N) n Date Extracted: 09/01/94

Date Analyzed (1): 09/13/94 Date Analyzed (2): 09/13/94

Time Analyzed (1): 1826 Time Analyzed (2): 1258

Instrument ID (1): GC#1 Instrument ID (2): gc#2

GC Column(1): db1701 ,ID: 0.53 (mm) GC Column(2): db608 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FB	FB	09/13/94	09/13/94
02				
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS:

0130

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

pblk01

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-

Lab Sample ID: pblk01 Lab File ID: pblk01

Matrix: (soil/water) soil Extraction:(SepF/Cont/Sonc) sonc

Sulfur Cleanup: (Y/N) n Date Extracted: 08/31/94

Date Analyzed (1): 09/13/94 Date Analyzed (2): 09/13/94

Time Analyzed (1): 1021 Time Analyzed (2): 1038

Instrument ID (1): GC#1 Instrument ID (2): gc#2

GC Column(1): db1701 ID: 0.53 (mm) GC Column(2): db608 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	SL01	SL01	09/05/94	09/06/94
02	SL03	SL03	09/05/94	10/21/94
03	SL03DL	SL03DL	09/05/94	09/05/94
04	SL04	SL04	09/05/94	09/06/94
05	SL05	SL05	09/05/94	10/21/94
06	SL05DL	SL05DL	09/05/94	09/06/94
07	SL6/7	SL6/7	09/05/94	09/06/94
08	SL08DL	SL08DL	09/06/94	09/06/94
09	SL10/11	SL10/11	09/06/94	10/21/94
10	SL10/11DL	SL10/11DL	09/06/94	09/13/94
11	SL12	SL12	09/06/94	09/13/94
12	SL12DL	SL12DL	09/06/94	09/13/94
13	SL13	SL13	09/06/94	09/13/94
14	SL14	SL14	09/05/94	09/06/94
15	SL14DL	SL14DL	09/06/94	09/06/94
16	SL15	SL15	09/06/94	09/13/94
17	SL25	SL25	09/06/94	09/13/94
18	SL25DL	SL25DL	09/06/94	09/13/94
19	SL08B	SL08B	09/13/94	09/13/94
20	SL08BDL	SL08BDL	09/13/94	09/13/94
21	SL08BMS	SL08BMS	09/13/94	09/13/94
22	SL08BMSD	SL08BMSD	09/13/94	09/13/94
23	SL14B	SL14B	09/13/94	09/13/94
24	SL14BDL	SL14BDL		09/13/94
25				
26				

COMMENTS:

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: PBLK02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: PBLK02

% Moisture: _____ decanted: (Y/N) n Date Received: _____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 09/01/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.00	U
12674-11-2	Aroclor-1016	1.00	U
11104-28-2	Aroclor-1221	2.00	U
11141-16-5	Aroclor-1232	1.00	U
53469-21-9	Aroclor-1242	1.00	U
12672-29-6	Aroclor-1248	1.00	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Matrix: (soil/water) soil Lab Sample ID: PBLK01

Sample wt/vol: 30 (g/mL) g Lab File ID: PBLK01

% Moisture: 0 decanted: (Y/N) n Date Received: 01/00/00

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 08/31/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 09/13/94
9/13/94

Injection Volume: 2 (uL) Dilution Factor: 1
1

GPC Cleanup: (Y/N) y pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16.7	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	166.7	U
12674-11-2	Aroclor-1016	33.3	U
11104-28-2	Aroclor-1221	66.7	U
11141-16-5	Aroclor-1232	33.3	U
53469-21-9	Aroclor-1242	33.3	U
12672-29-6	Aroclor-1248	33.3	U
11097-69-1	Aroclor-1254	33.3	U
11096-82-5	Aroclor-1260	33.3	U

INTERNAL STANDARDS
VOLATILES

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0201 Date Analyzed: 09/02/94

Instrument ID: 5972 Time Analyzed: 1052

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	196846	6.16	747286	8.10	571086	16.47
	UPPER LIMIT	393692	6.66	1494572	8.60	1142172	16.97
	LOWER LIMIT	98423	5.66	373643	7.60	285543	15.97
	EPA SAMPLE NO.						
01	VBLK01	275592	6.12	1026689	8.08	692954	16.46
02	SL-01	164336	6.18	575843	8.13	321311	16.49
03	SL-03(A)	82201 *	6.19	253410 *	8.14	129593 *	16.49
04	SL-03(B)	119580	6.20	381713	8.15	221838 *	16.50
05	SL-05	165866	6.14	594459	8.10	402219	16.48
06	SL-10/11	175086	6.20	596574	8.15	328237	16.49
07	SL-12	146098	6.18	470429	8.13	287738	16.49
08	SL-13	175782	6.09	712472	8.04	550367	16.45
09	SL-14	148860	6.18	436938	8.13	285665	16.50
10	SL-15	193378	6.17	669112	8.13	466911	16.49
11	SL-25	199479	6.16	686727	8.12	434397	16.49
12							
13							
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18							
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20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0401 Date Analyzed: 09/04/94

Instrument ID: 5972 Time Analyzed: 1038

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	237297	6.19	897587	8.14	720039	16.50
	UPPER LIMIT	474594	6.69	1795174	8.64	1440078	17.00
	LOWER LIMIT	118649	5.69	448794	7.64	360020	16.00
	EPA SAMPLE NO.						
01	VBLK02	230084	6.17	848755	8.13	670575	16.48
02	SL-04	206232	6.17	745425	8.12	542546	16.48
03	SL-6/7	227792	6.23	938365	8.18	720586	16.50
04	SL-08	171599	6.20	625340	8.14	439442	16.49
05	SL-08 MS	173395	6.19	705827	8.14	550135	16.49
06	SL-08 MSD	205103	6.19	838715	8.14	654933	16.49
07							
08							
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17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0701 Date Analyzed: 09/07/94

Instrument ID: 5972 Time Analyzed: 0717

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	46942	6.33	357095	8.30	232994	16.69
	UPPER LIMIT	93884	6.83	714190	8.80	465988	17.19
	LOWER LIMIT	23471	5.83	178548	7.80	116497	16.19
	EPA SAMPLE NO.						
01	VBLK03	28943	6.34	239105	8.30	169838	16.67
02	TRIP BALNK	35494	6.68	274786	8.70	175458	17.08
03	FIELD BLANK	36089	6.70	280544	8.72	182453	17.10
04							
05							
06							
07							
08							
09							
10							
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12							
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16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

SEMIVOLATILES

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U1301 Date Analyzed: 09/13/94

Instrument ID: MACH2 Time Analyzed: 1723

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	19371		11.20		72390		14.79		39027		19.61	
	UPPER LIMIT	38742		11.70		144780		15.29		78054		20.11	
	LOWER LIMIT	9686		10.70		36195		14.29		19514		19.11	
	EPA SAMPLE NO.												
01	SL-12B	19933		11.20		76348		14.79		46292		19.61	
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0302 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 1150

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	63498		11.74		251120		15.31		155680		20.15	
	UPPER LIMIT	126996		12.24		502240		15.81		311360		20.65	
	LOWER LIMIT	31749		11.24		125560		14.81		77840		19.65	
	EPA SAMPLE NO.												
01	FIELD BLANK	74448		11.73		285229		15.31		168450		20.16	
02	SBLKS1	58587		11.73		227723		15.30		137579		20.14	
03	SBLKW1	64425		11.72		249494		15.30		142667		20.14	
04	SL-04	61988		11.74		239108		15.32		137444		20.16	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0302 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 1150

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	224404	24.23	126994	33.24	66563	45.02
	UPPER LIMIT	448808	24.73	253988	33.74	133126	45.52
	LOWER LIMIT	112202	23.73	63497	32.74	33282	44.52
	EPA SAMPLE NO.						
01	FIELD BLANK	228507	24.23	87995	33.24	42050	45.06
02	SBLKS1	193265	24.22	108893	33.21	52238	44.98
03	SBLKW1	195426	24.22	83138	33.22	39647	45.02
04	SL-04	160145	24.24	50623 *	33.28	25838 *	45.18
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL18-1

Lab File ID (Standard): >U0313

Date Analyzed: 09/05/94

Instrument ID: MACH2

Time Analyzed: 2333

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	67947	11.74	270018	15.32	175471	20.17
	UPPER LIMIT	135894	12.24	540036	15.82	350942	20.67
	LOWER LIMIT	33974	11.24	135009	14.82	87736	19.67
	EPA SAMPLE NO.						
01	SL-6/7	57872	11.74	228642	15.32	146225	20.16
02	SL-08	58625	11.74	226599	15.31	139342	20.16
03	SL-08 MS	59012	11.74	238433	15.31	149617	20.16
04	SL-08 MSD	52420	11.74	214011	15.32	132435	20.16
05	SL-01	51875	11.74	205246	15.32	130248	20.16
06	SL-12	63464	11.76	248657	15.34	153552	20.18
07							
08							
09							
10							
11							
12							
13							
14							
15							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0313 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 2333

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	257311		24.24		131988		33.26		63002		45.07	
	UPPER LIMIT	514622		24.74		263976		33.76		126004		45.57	
	LOWER LIMIT	128656		23.74		65994		32.76		31501		44.57	
	EPA SAMPLE NO.												
01	SL-6/7	204833		24.23		106511		33.24		47073		45.06	
02	SL-08	171657		24.24		59243	*	33.25		21117	*	45.09	
03	SL-08 MS	192162		24.23		59367	*	33.26		19942	*	45.11	
04	SL-08 MSD	169772		24.25		37869	*	33.25		12059	*	45.16	
05	SL-01	171156		24.24		65846	*	33.24		24211	*	45.09	
06	SL-12	160182		24.26		37851	*	33.33		14883	*	45.19	
07													
08													
09													
10													
11													
12													
13													
14													
15													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0801 Date Analyzed: 09/08/94

Instrument ID: MACH2 Time Analyzed: 1315

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	38030		11.77		140490		15.34		85051		20.19	
	UPPER LIMIT	76060		12.27		280980		15.84		170102		20.69	
	LOWER LIMIT	19015		11.27		70245		14.84		42526		19.69	
	EPA SAMPLE NO.												
01	SL-15	39434		11.77		148361		15.34		73572		20.19	
02	SL-25	39631		11.76		147120		15.33		84103		20.19	
03	SL-03	39372		11.75		153559		15.33		90583		20.18	
04	SL-13	34448		11.76		139817		15.34		93609		20.19	
05	SL-14	40884		11.76		158362		15.34		98526		20.18	
06	SL-04RE	38065		11.76		146693		15.33		90757		20.18	
07	SL-08RE	35986		11.74		141205		15.33		94029		20.18	
08	SL-01RE	31088		11.75		123252		15.32		79946		20.17	
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0801 Date Analyzed: 09/08/94

Instrument ID: MACH2 Time Analyzed: 1315

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	119205		24.27		85688		33.31		74676		45.22	
	UPPER LIMIT	238410		24.77		171376		33.81		149352		45.72	
	LOWER LIMIT	59603		23.77		42844		32.81		37338		44.72	
	EPA SAMPLE NO.												
01	SL-15	65683		24.28		36066	*	33.35		21346	*	45.34	
02	SL-25	93139		24.26		46183		33.36		23999	*	45.33	
03	SL-03	112131		24.27		37092	*	33.38		23728	*	45.38	
04	SL-13	132634		24.27		72079		33.33		29528	*	45.29	
05	SL-14	137134		24.26		51542		33.32		22356	*	45.27	
06	SL-04RE	120547		24.26		33510	*	33.37		20341	*	45.34	
07	SL-08RE	131026		24.26		48280		33.31		19294	*	45.26	
08	SL-01RE	106165		24.26		49460		33.29		23792	*	45.20	
09													
10													
11													
12													
13													
14													
15													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0901 Date Analyzed: 09/09/94

Instrument ID: MACH2 Time Analyzed: 1651

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	37484	11.71	138130	15.29	79633	20.14
	UPPER LIMIT	74968	12.21	276260	15.79	159266	20.64
	LOWER LIMIT	18742	11.21	69065	14.79	39817	19.64
	EPA SAMPLE NO.						
01	SL-03RE	40203	11.70	157696	15.28	97205	20.13
02	SL-05	39737	11.71	154245	15.29	99949	20.13
03	SL-10/11	31792	11.70	135382	15.29	88564	20.14
04	SL-12RE	37621	11.70	148707	15.29	96641	20.13
05	SL-13RE	39772	11.69	167665	15.28	116601	20.13
06	SL-14RE	47476	11.71	185669	15.28	119652	20.13
07	SL-15RE	42190	11.70	164903	15.28	95991	20.12
08	SL-25RE	40290	11.70	157262	15.27	101105	20.13
09							
10							
11							
12							
13							
14							
15							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0901 Date Analyzed: 09/09/94

Instrument ID: MACH2 Time Analyzed: 1651

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	104311		24.20		56923		33.19		57042		44.96	
	UPPER LIMIT	208622		24.70		113846		33.69		114084		45.46	
	LOWER LIMIT	52156		23.70		28462		32.69		28521		44.46	
	EPA SAMPLE NO.												
01	SL-03RE	114276		24.21		33513		33.25		20780	*	45.10	
02	SL-05	148220		24.20		100614		33.19		36846		44.97	
03	SL-10/11	108717		24.21		85439		33.19		29690		44.98	
04	SL-12RE	115165		24.21		40268		33.24		23295	*	45.00	
05	SL-13RE	176440		24.20		67322		33.19		21265	*	44.94	
06	SL-14RE	162165		24.20		37266		33.18		14446	*	44.95	
07	SL-15RE	61020		24.22		23920	*	33.20		15539	*	45.00	
08	SL-25RE	109039		24.20		25919	*	33.21		12942	*	44.97	
09													
10													
11													
12													
13													
14													
15													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U1301 Date Analyzed: 09/13/94

Instrument ID: MACH2 Time Analyzed: 1723

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	19371		11.20		72390		14.79		39027		19.61	
	UPPER LIMIT	38742		11.70		144780		15.29		78054		20.11	
	LOWER LIMIT	9686		10.70		36195		14.29		19514		19.11	
	EPA SAMPLE NO.												
01	SL-12B	19933		11.20		76348		14.79		46292		19.61	
02													
03													
04													
05													
06													
07													
08													
09													
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U1301 Date Analyzed: 09/13/94

Instrument ID: MACH2 Time Analyzed: 1723

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	57409	23.66	35876	32.13	27640	42.70
	UPPER LIMIT	114818	24.16	71752	32.63	55280	43.20
	LOWER LIMIT	28705	23.16	17938	31.63	13820	42.20
	EPA SAMPLE NO.						
01	SL-12B	71108	23.66	32177	32.18	20513	42.78
02							
03							
04							
05							
06							
07							
08							
09							
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12							
13							
14							
15							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

VOLATILES DATA PACKAGE
QC SUMMARY

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK03	95	90	105		0
02	TRIP BLANK	100	98	99		0
03	FIELD BLANK	101	100	102		0
04						
05						
06						
07						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD\RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK01	102	94	93		0
02	SL-01	104	88	95		0
03	SL-03(A)	100	87	95		0
04	SL-08(B)	103	89	104		0
05	SL-05	104	86	100		0
06	SL-10/11	102	87	96		0
07	SL-12	102	87	97		0
08	SL-13	95	88	103		0
09	SL-14	106	91	100		0
10	SL-15	102	86	100		0
11	SL-25	103	87	96		0
12	VBLK02	100	96	106		0
13	SL-04	103	91	106		0
14	SL-6/7	98	93	101		0
15	SL-08	109	92	107		0
16	SL-08 MS	100	96	101		0
17	SL-08	109	104	102		0
18						
19						
20						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD\RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix Spike - EPA Sample No.: SL-08

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	32.2	0.0	33.2	103	59-172
Trichloroethene	32.2	0.0	28.3	88	62-137
Benzene	32.2	0.0	31.0	96	66-142
Toluene	32.2	0.0	30.2	94	59-139
Chlorobenzene	32.2	0.0	31.0	96	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	31.9	32.9	103	0	22	59-172
Trichloroethene	31.9	28.5	89	1	24	62-137
Benzene	31.9	30.3	95	1	21	66-142
Toluene	31.9	30.7	96	2	21	59-139
Chlorobenzene	31.9	30.9	97	1	21	60-133

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0202 Lab Sample ID: VBLK01

Date Analyzed: 09/02/94 Time Analyzed: 1142

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SL-01	SL-01	S0203	1216
02	SL-03(A)	SL-03(A)	S0204	1251
03	SL-03(B)	SL-03(B)	S0205	1320
04	SL-05	SL-05	S0206	1354
05	SL-10/11	SL-10/11	S0207	1423
06	SL-12	SL-12	S0208	1452
07	SL-13	SL-13	S0209	1521
08	SL-14	SL-14	S0210	1551
09	SL-15	SL-15	S0211	1620
10	SL-25	SL-25	S0212	1650
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0404 Lab Sample ID: VBLK02

Date Analyzed: 09/04/94 Time Analyzed: 1204

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SL-04	SL-04	S0405	1233
02	SL-6/7	SL-6/7	S0406	1258
03	SL-08	SL-08	S0407	1327
04	SL-08 MS	SL-08 MS	S0408	1357
05	SL-08 MSD	SL-08 MSD	S0409	1425
06				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK03

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0702 Lab Sample ID: VBLK03

Date Analyzed: 09/07/94 Time Analyzed: 0749

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP BLANK	TRIP BLANK	S0703	0819
02	FIELD BLANK	FIELD BLANK	S0704	0844
03				
04				
05				
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: R3000 BFB Injection Date: 08/30/94

Instrument ID: 5972 BFB Injection Time: 1147

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	16.2			
75	30.0 - 66.0% of mass 95	42.3			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.7			
173	Less than 2.0% of mass 174	0.00	(	0.0	)1
174	50.0 - 120.0% of mass 95	65.7			
175	4.0 - 9.0% of mass 174	4.9	(	7.4	)1
176	93.0 - 101.0% of mass 174	64.9	(	98.7	)1
177	5.0 - 9.0% of mass 176	4.6	(	7.1	)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	VSTD001	R3002	08/30/94	1256
02	VSTD002	VSTD002	R3003	08/30/94	1339
03	VSTD005	VSTD005	R3004	08/30/94	1422
04	VSTD010	VSTD010	R3005	08/30/94	1502
05	VSTD025	VSTD025	R3007	08/30/94	1628
06					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: R3100 BFB Injection Date: 08/31/94

Instrument ID: 5972 BFB Injection Time: 1241

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	8.0 - 40.0% of mass 95	16.6		
75	30.0 - 66.0% of mass 95	40.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.00	(0.0	)1
174	50.0 - 120.0% of mass 95	67.4		
175	4.0 - 9.0% of mass 174	5.3	(7.9	)1
176	93.0 - 101.0% of mass 174	66.2	(98.2	)1
177	5.0 - 9.0% of mass 176	5.2	(7.8	)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSDT005	VSDT005	R3102	08/31/94	1407
02	VSTD025	VSTD025	R3103	08/31/94	1449
03	VSTD050	VSTD050	R3104	08/31/94	1557
04	VSTD075	VSTD075	R3105	08/31/94	1629
05	VSTD100	VSTD100	R3106	08/31/94	1706
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07					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0200 BFB Injection Date: 09/02/94

Instrument ID: 5972 BFB Injection Time: 0949

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	15.6			
75	30.0 - 66.0% of mass 95	41.9			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.0			
173	Less than 2.0% of mass 174	0.00	(	0.0	)1
174	50.0 - 120.0% of mass 95	65.7			
175	4.0 - 9.0% of mass 174	4.8	(	7.3	)1
176	93.0 - 101.0% of mass 174	64.6	(	98.3	)1
177	5.0 - 9.0% of mass 176	4.8	(	7.5	)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	S0201	09/02/94	1052
02	VBLK01	VBLK01	S0202	09/02/94	1142
03	SL-01	SL-01	S0203	09/02/94	1216
04	SL-03(A)	SL-03(A)	S0204	09/02/94	1251
05	SL-03(B)	SL-03(B)	S0205	09/02/94	1320
06	SL-05	SL-05	S0206	09/02/94	1354
07	SL-10/11	SL-10/11	S0207	09/02/94	1423
08	SL-12	SL-12	S0208	09/02/94	1452
09	SL-13	SL-13	S0209	09/02/94	1521
10	SL-14	SL-14	S0210	09/02/94	1551
11	SL-15	SL-15	S0211	09/02/94	1620
12	SL-25	SL-25	S0212	09/02/94	1650
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19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0400 BFB Injection Date: 09/04/94

Instrument ID: 5972 BFB Injection Time: 0946

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	8.0 - 40.0% of mass 95	15.5		
75	30.0 - 66.0% of mass 95	41.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.8		
173	Less than 2.0% of mass 174	0.00	(0.0	)1
174	50.0 - 120.0% of mass 95	66.3		
175	4.0 - 9.0% of mass 174	4.9	(7.4	)1
176	93.0 - 101.0% of mass 174	64.0	(96.5	)1
177	5.0 - 9.0% of mass 176	4.8	(7.5	)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	S0401	09/04/94	1038
02	VBLK02	VBLK02	S0402	09/04/94	1204
03	SL-04	SL-04	S0403	09/04/94	1233
04	SL-6/7	SL-6/7	S0404	09/04/94	1258
05	SL-08	SL-08	S0405	09/04/94	1327
06	SL-08 MS	SL-08 MS	S0406	09/04/94	1357
07	SL-08 MSD	SL-08 MSD	S0407	09/04/94	1425
08					
09					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID: S0700 BFB Injection Date: 09/07/94

Instrument ID: 5972 BFB Injection Time: 0652

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	8.0 - 40.0% of mass 95	15.9			
75	30.0 - 66.0% of mass 95	41.7			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.1			
173	Less than 2.0% of mass 174	0.00	(	0.0	)1
174	50.0 - 120.0% of mass 95	71.7			
175	4.0 - 9.0% of mass 174	4.7	(	6.6	)1
176	93.0 - 101.0% of mass 174	70.9	(	98.9	)1
177	5.0 - 9.0% of mass 176	5.1	(	7.1	)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	S0701	09/07/94	0717
02	VBLK03	VBLK03	S0702	09/07/94	0749
03	TRIP BLANK	TRIP BLANK	S0703	09/07/94	0819
04	FIELD BLANK	FIELD BLANK	S0704	09/07/94	0844
05					
06					
07					
08					
09					
10					
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0201 Date Analyzed: 09/02/94

Instrument ID: 5972 Time Analyzed: 1052

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	196846	6.16	747286	8.10	571086	16.47
	UPPER LIMIT	393692	6.66	1494572	8.60	1142172	16.97
	LOWER LIMIT	98423	5.66	373643	7.60	285543	15.97
	EPA SAMPLE NO.						
01	VBLK01	275592	6.12	1026689	8.08	692954	16.46
02	SL-01	164336	6.18	575843	8.13	321311	16.49
03	SL-03(A)	82201 *	6.19	253410 *	8.14	129593 *	16.49
04	SL-03(B)	119580	6.20	381713	8.15	221838 *	16.50
05	SL-05	165866	6.14	594459	8.10	402219	16.48
06	SL-10/11	175086	6.20	596574	8.15	328237	16.49
07	SL-12	146098	6.18	470429	8.13	287738	16.49
08	SL-13	175782	6.09	712472	8.04	550367	16.45
09	SL-14	148860	6.18	436938	8.13	285665	16.50
10	SL-15	193378	6.17	669112	8.13	466911	16.49
11	SL-25	199479	6.16	686727	8.12	434397	16.49
12							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0401 Date Analyzed: 09/04/94

Instrument ID: 5972 Time Analyzed: 1038

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	237297	6.19	897587	8.14	720039	16.50
	UPPER LIMIT	474594	6.69	1795174	8.64	1440078	17.00
	LOWER LIMIT	118649	5.69	448794	7.64	360020	16.00
	EPA SAMPLE NO.						
01	VBLK02	230084	6.17	848755	8.13	670575	16.48
02	SL-04	206232	6.17	745425	8.12	542546	16.48
03	SL-6/7	227792	6.23	938365	8.18	720586	16.50
04	SL-08	171599	6.20	625340	8.14	439442	16.49
05	SL-08 MS	173395	6.19	705827	8.14	550135	16.49
06	SL-08 MSD	205103	6.19	838715	8.14	654933	16.49
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): S0701 Date Analyzed: 09/07/94

Instrument ID: 5972 Time Analyzed: 0717

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	46942	6.33	357095	8.30	232994	16.69
	UPPER LIMIT	93884	6.83	714190	8.80	465988	17.19
	LOWER LIMIT	23471	5.83	178548	7.80	116497	16.19
	EPA SAMPLE NO.						
01	VBLK03	28943	6.34	239105	8.30	169838	16.67
02	TRIP BALNK	35494	6.68	274786	8.70	175458	17.08
03	FIELD BLANK	36089	6.70	280544	8.72	182453	17.10
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

SAMPLE DATA

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0704

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. _____ Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	2.9	B
67-64-1	Acetone	2.5	B
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0704

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00110-54-3	HEXANE	4.67	1.2	J
2.	00594-82-1	BUTANE, 2,2,3,3-TETRAMETHYL-	7.04	4.04	J
3.	00629-92-5	NONADECANE	22.78	0.66	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0704.D
Acq Time : 7 Sep 94 8:44 am
Sample : FIELD BLANK 1X
Misc :
Quant Time: Oct 24 14:33 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:12:44 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.70	130	36089	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.72	114	280544	5.00 ug/L	0.00
29) Chlorobenzene-d5	17.10	117	182453	5.00 ug/L	-0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.82	65	35066	5.10 ug/L	102.00%
31) Toluene-d8	12.64	98	233858	5.03 ug/L	100.68%
41) Bromofluorobenzene	20.97	95	136350	4.99 ug/L	99.78%
Target Compounds					Qvalue
7) Acetone	3.91	43	22741	2.51 ug/L	82
9) Methylene chloride	4.40	84	332919	2.85 ug/L	92

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

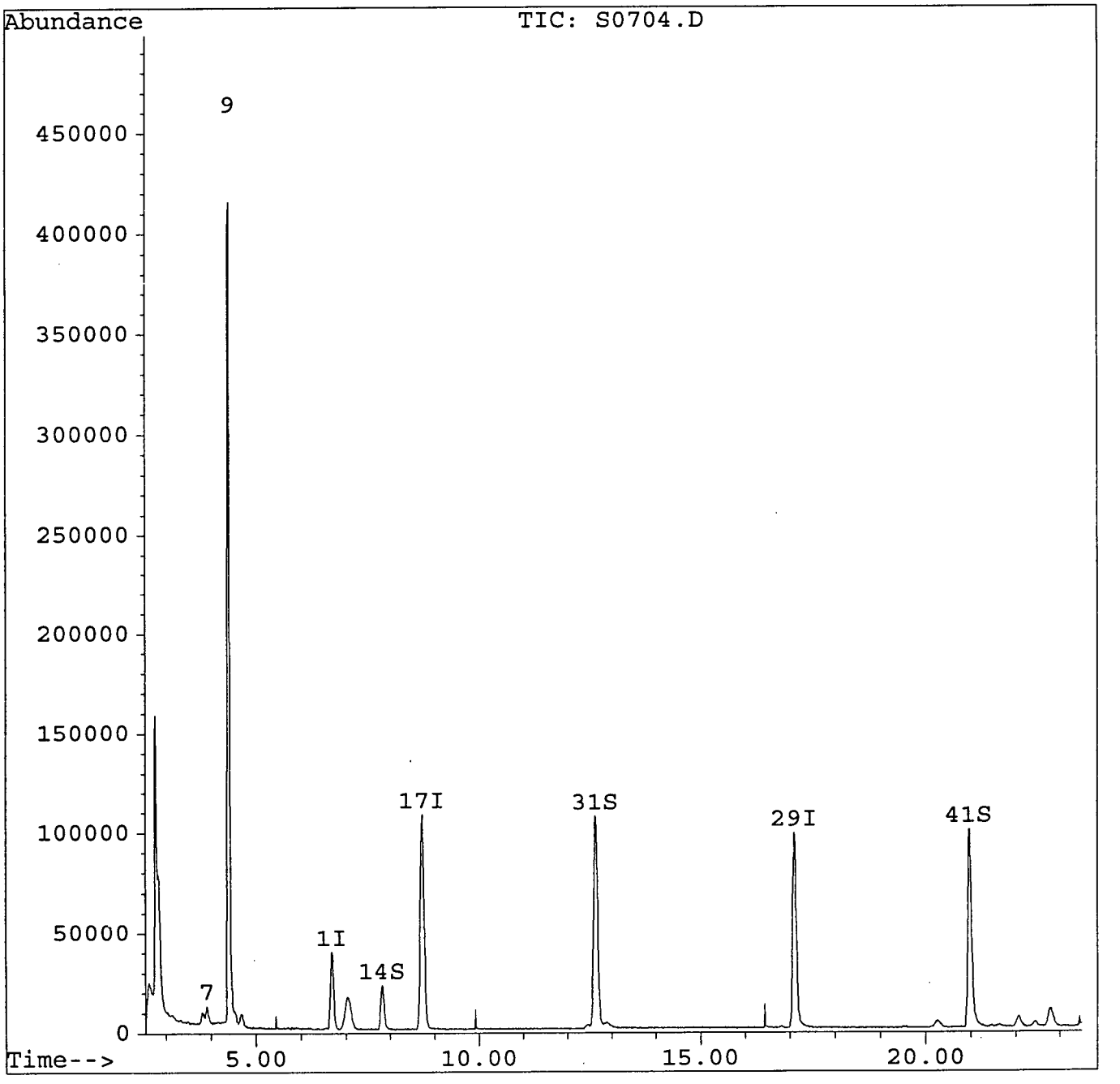
S0704.D VOC05.M Mon Oct 24 14:19:22 1994

Quantitation Report

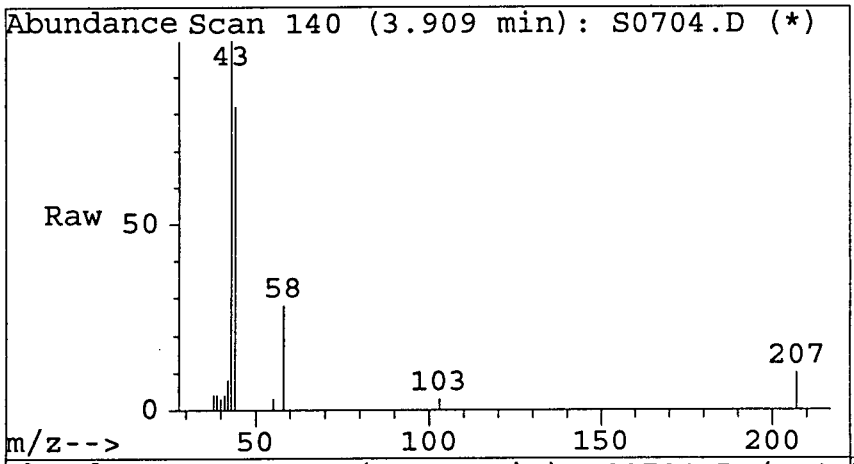
Data File : C:\HPCHEM\1\DATA\S0704.D
Acq Time : 7 Sep 94 8:44 am
Sample : FIELD BLANK 1X
Misc :
Quant Time: Oct 20 9:27 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Thu Oct 20 09:21:38 1994
Response via : Single Level Calibration



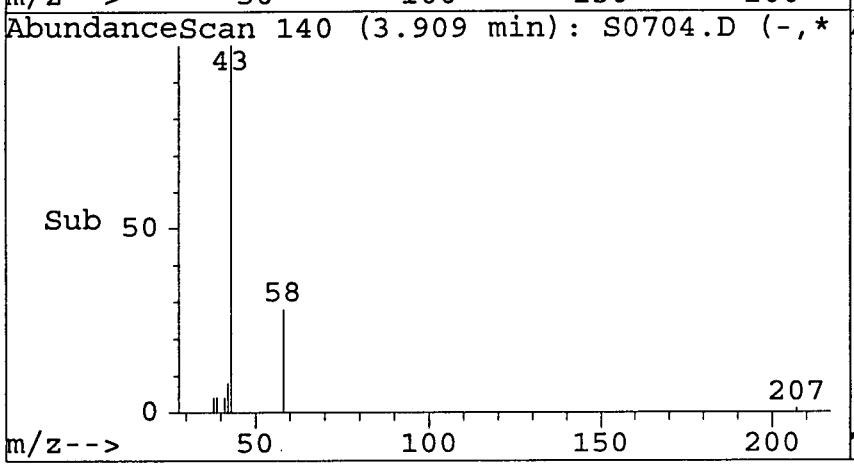
0170

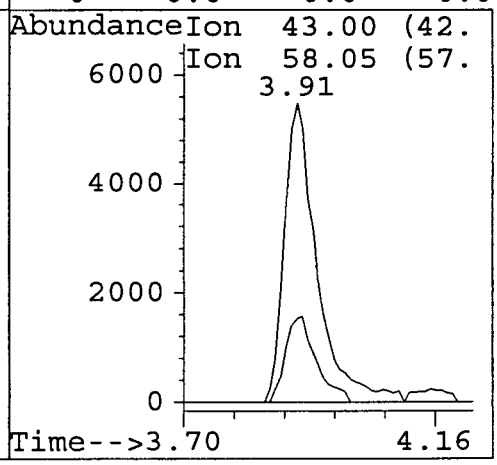


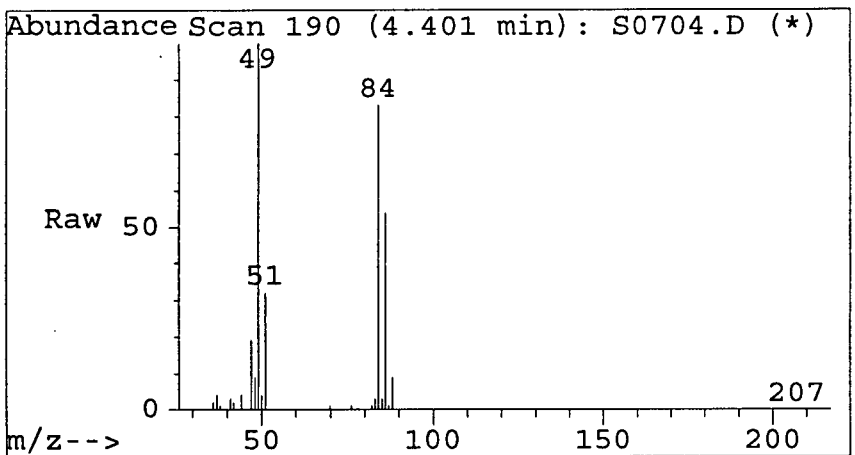
#7
Acetone
Concen: 2.51 ug/L m
RT: 3.91 min Scan# 140
Delta R.T. 0.19 min
Lab File: S0704.D
Acq: 7 Sep 94 8:44 am

Tgt Ion:43 Resp: 22741

Ion	Ratio	Lower	Upper
43	100		
58	27.0	30.3	45.5#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



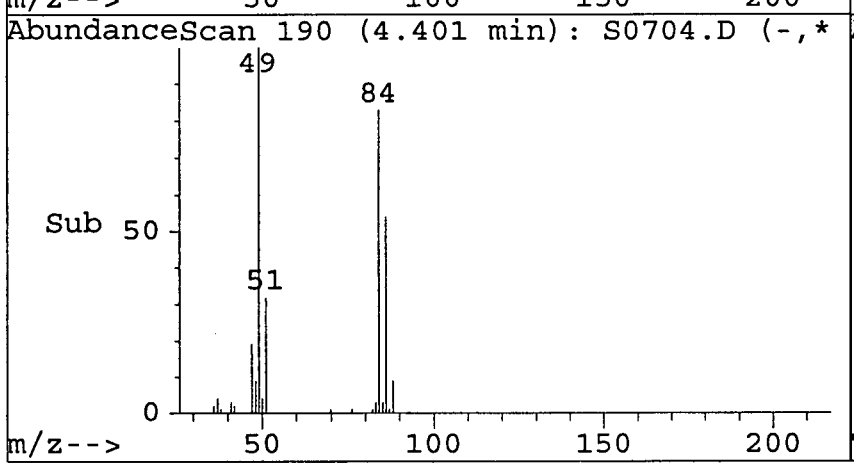


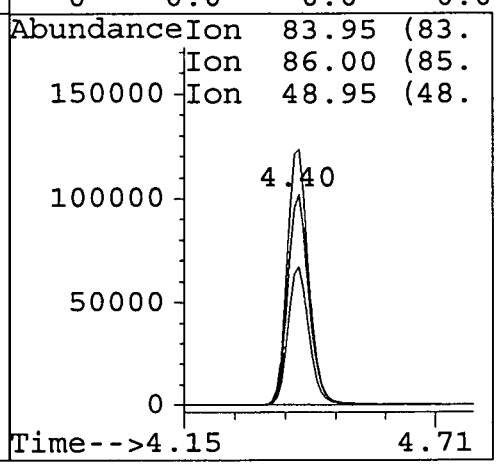


#9
Methylene Chloride
Concen: 2.90 ug/L m
RT: 4.40 min Scan# 190
Delta R.T. 0.22 min
Lab File: S0704.D
Acq: 7 Sep 94 8:44 am

Tgt Ion:83.95 Resp: 332919

Ion	Ratio	Lower	Upper
84	100		
86	65.9	53.5	80.3
49	123.3	108.9	163.3
0	0.0	0.0	0.0





0171

Library Search Compound Report

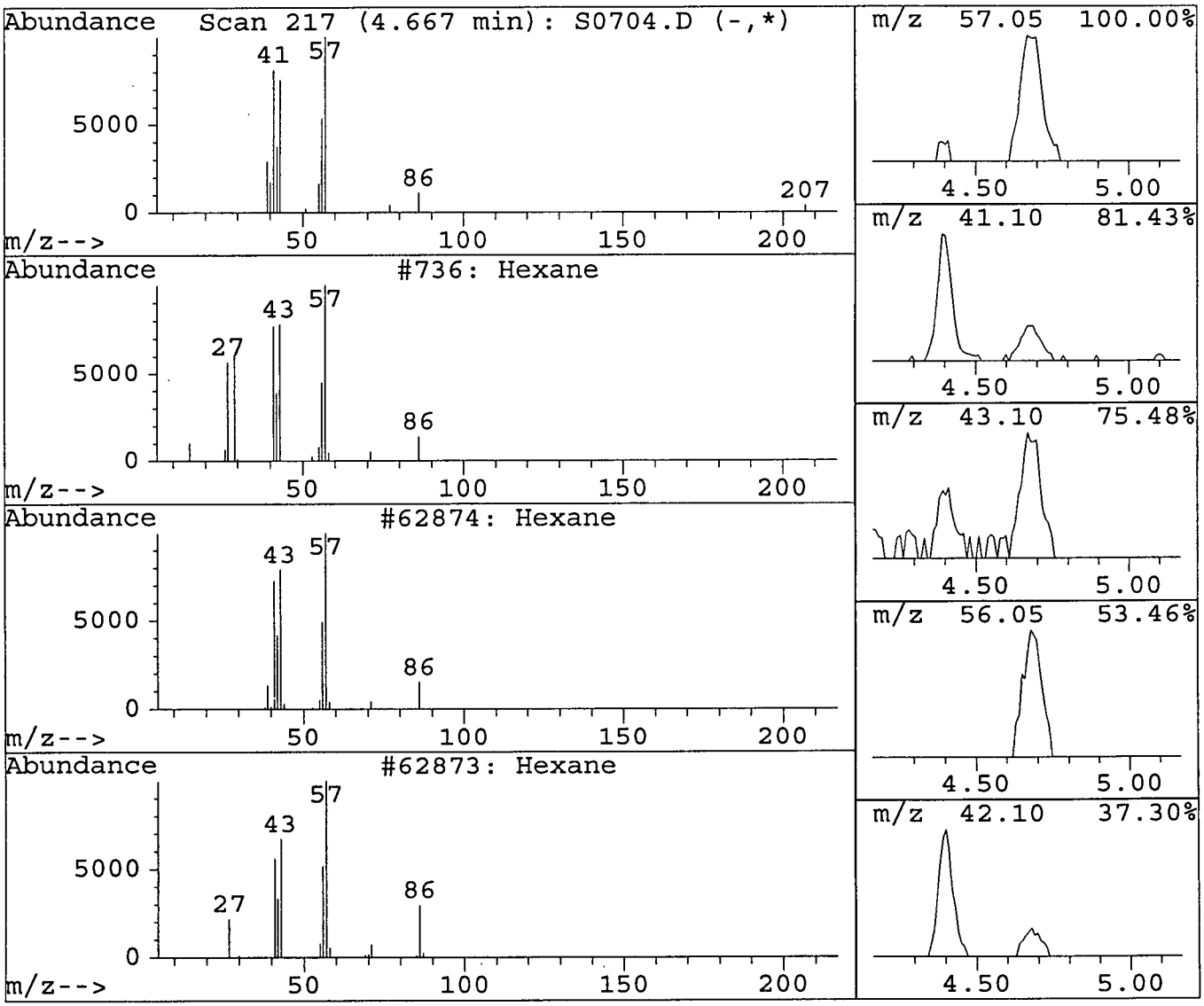
Data File : C:\HPCHEM\1\DATA\S0704.D
Acq Time : 7 Sep 94 8:44 am
Sample : FIELD BLANK 1X
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
4.67	1.17 ug/L	44440	Bromochloromethane	6.70

Hit# of 5	Tentative ID	Ref#	CAS#	Qual
1	Hexane	736	000110-54-3	86
2	Hexane	62874	000110-54-3	78
3	Hexane	62873	000110-54-3	78
4	Hexane	62872	000110-54-3	42
5	3-Buten-1-ol, 3-methyl-	719	000763-32-6	38



Library Search Compound Report

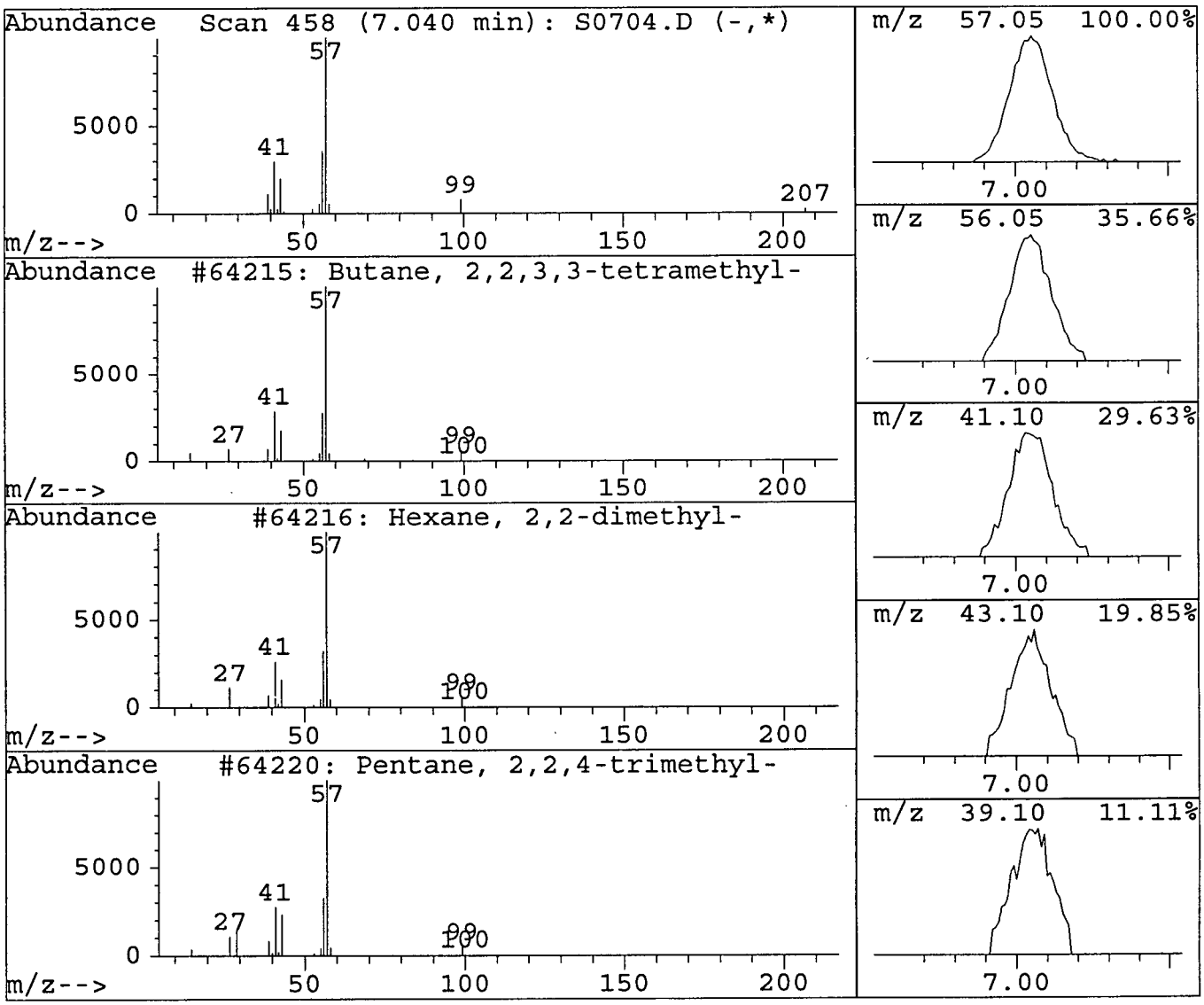
Data File : C:\HPCHEM\1\DATA\S0704.D
Acq Time : 7 Sep 94 8:44 am
Sample : FIELD BLANK 1X
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
7.04	4.04 ug/L	152764	Bromochloromethane	6.70

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	64215	000594-82-1	78
2	Hexane, 2,2-dimethyl-	64216	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	64220	000540-84-1	78
4	Pentane, 2,2,4-trimethyl-	64221	000540-84-1	64
5	Pentane, 2,2,4-trimethyl-	3093	000540-84-1	64



Library Search Compound Report

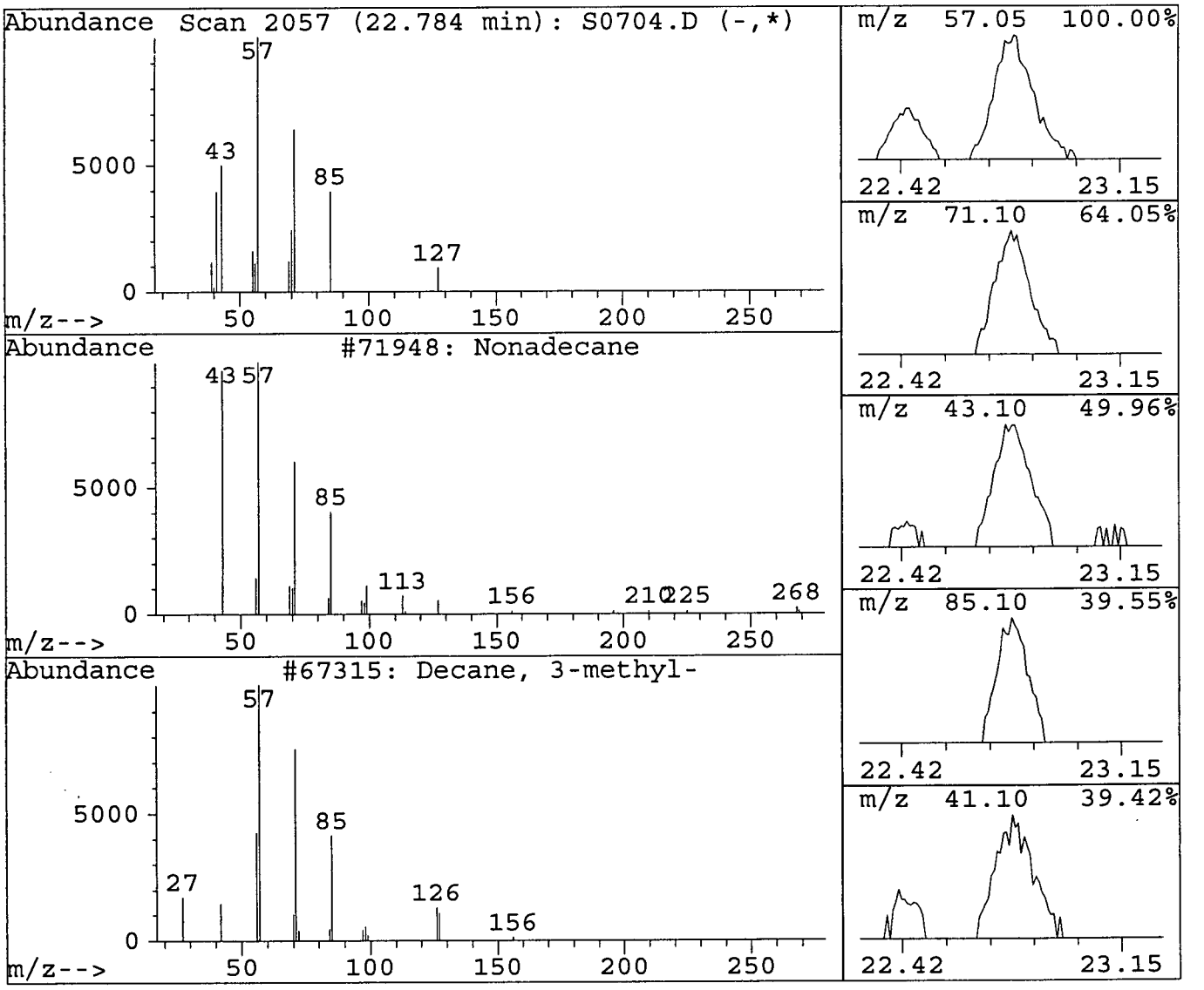
Data File : C:\HPCHEM\1\DATA\S0704.D
Acq Time : 7 Sep 94 8:44 am
Sample : FIELD BLANK 1X
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
22.78	0.66 ug/L	75069	Chlorobenzene-d5	17.10

Hit# of 2	Tentative ID	Ref#	CAS#	Qual
1	Nonadecane	71948	000629-92-5	78
2	Decane, 3-methyl-	67315	013151-34-3	36



1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01

Sample wt/vol: 5.128 (g/mL) g Lab File ID: S0203

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 23 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
79-01-6	Trichloroethene	1.3	U
127-18-4	Tetrachloroethene	1.3	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0203.D
Acq Time : 2 Sep 94 12:16 pm
Sample : SL-01 5.128g/5ml
Misc :
Quant Time: Oct 19 7:20 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.18	130	164336	50.00 ug/L	0.02
17) 1,4-Difluorobenzene	8.13	114	575843	50.00 ug/L	0.03
29) Chlorobenzene-d5	16.49	117	321311	50.00 ug/L	0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.25	65	178863	47.49 ug/L	94.97%
31) Toluene-d8	11.94	98	415035	52.21 ug/L	104.41%
41) Bromofluorobenzene	20.57	95	283558	43.85 ug/L	87.71%

Target Compounds Qvalue

0176

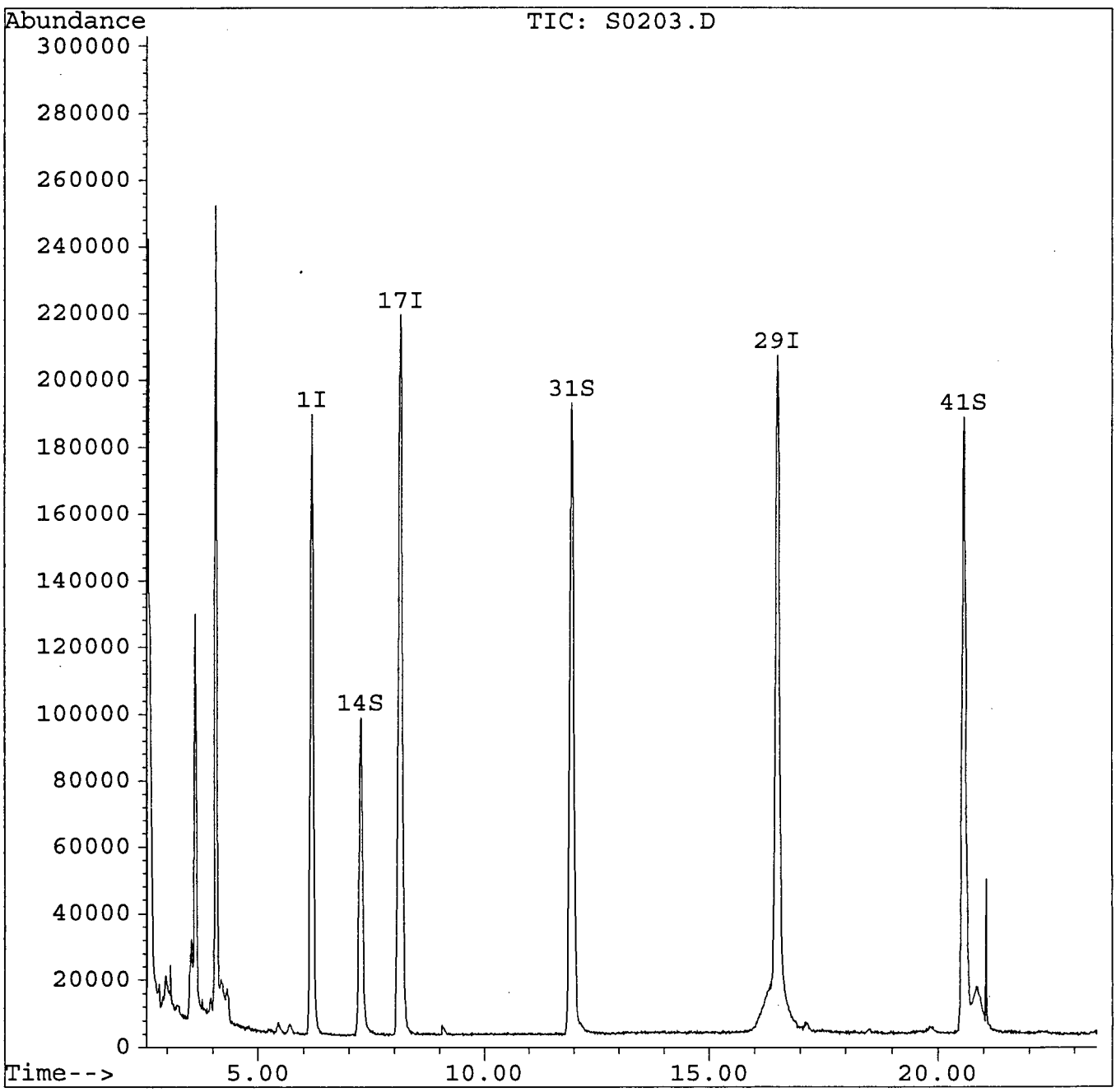
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0203.D
Acq Time : 2 Sep 94 12:16 pm
Sample : SL-01 5.128g/5ml
Misc :
Quant Time: Oct 19 7:20 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0177

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03(A)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03(A)

Sample wt/vol: 5.273 (g/mL) g Lab File ID: S0204

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 16 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0204.D
Acq Time : 2 Sep 94 12:51 pm
Sample : SL-03-(A) 5.273g/5ml
Misc :
Quant Time: Oct 19 7:21 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.19	130	82200	50.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.14	114	253410	50.00 ug/L	0.04
29) Chlorobenzene-d5	16.49	117	129593	50.00 ug/L	0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	89498	47.50 ug/L	95.00%
31) Toluene-d8	11.94	98	160372	50.02 ug/L	100.03%
41) Bromofluorobenzene	20.57	95	113181	43.40 ug/L	86.80%

Target Compounds Qvalue

0179

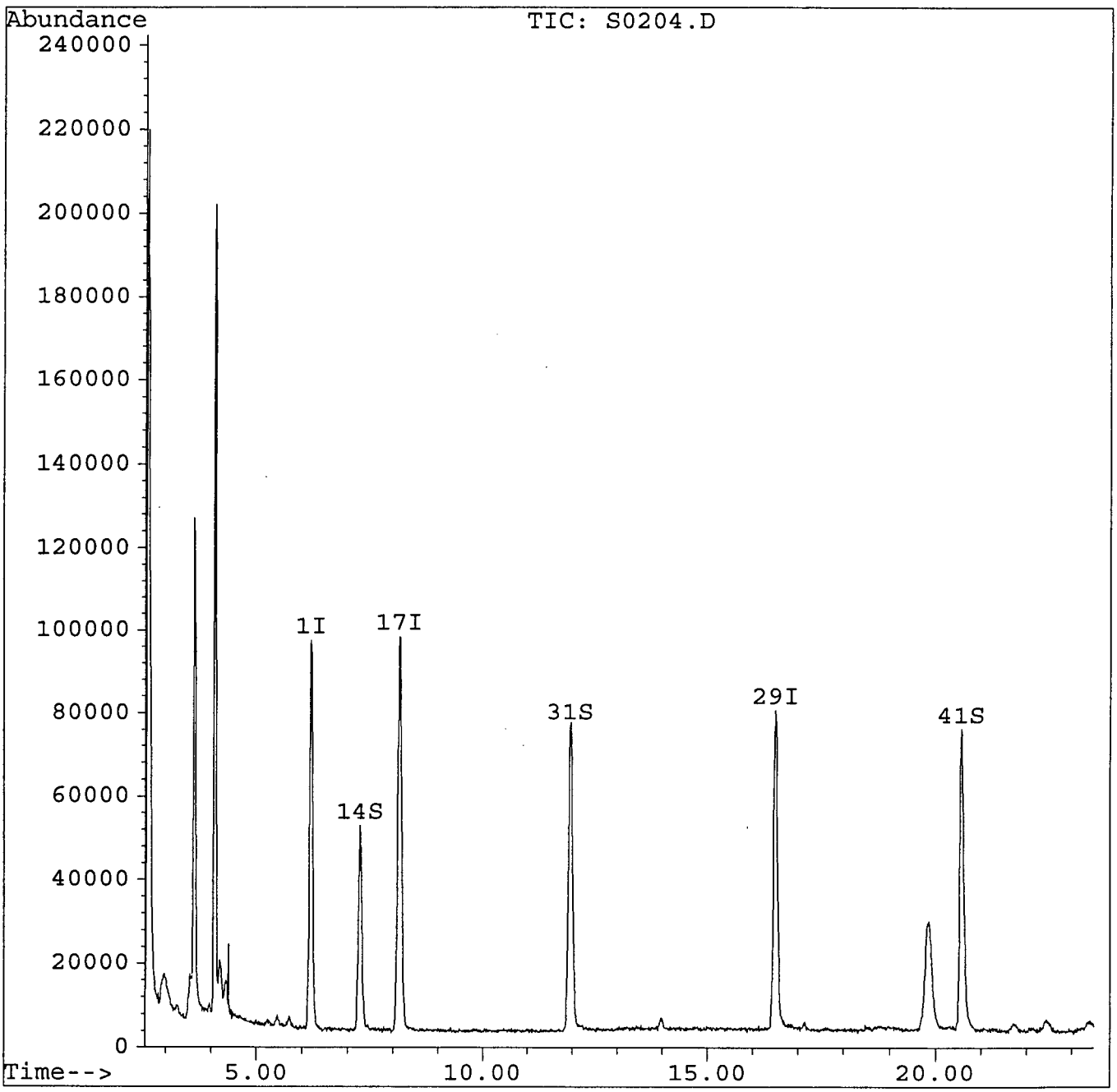
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0204.D
Acq Time : 2 Sep 94 12:51 pm
Sample : SL-03-(A) 5.273g/5ml
Misc :
Quant Time: Oct 19 7:21 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0180

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03(B)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03(B)

Sample wt/vol: 5.468 (g/mL) g Lab File ID: S0205

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 16 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0205.D
Acq Time : 2 Sep 94 1:20 pm
Sample : SL-03-(B) 5.468g/5ml
Misc :
Quant Time: Oct 19 7:22 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.20	130	119580	50.00 ug/L	0.04
17) 1,4-Difluorobenzene	8.15	114	381713	50.00 ug/L	0.05
29) Chlorobenzene-d5	16.50	117	221838	50.00 ug/L	0.03

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	142416	51.96 ug/L	103.92%
31) Toluene-d8	11.95	98	283024	51.57 ug/L	103.13%
41) Bromofluorobenzene	20.56	95	198585	44.48 ug/L	88.97%

Target Compounds Qvalue

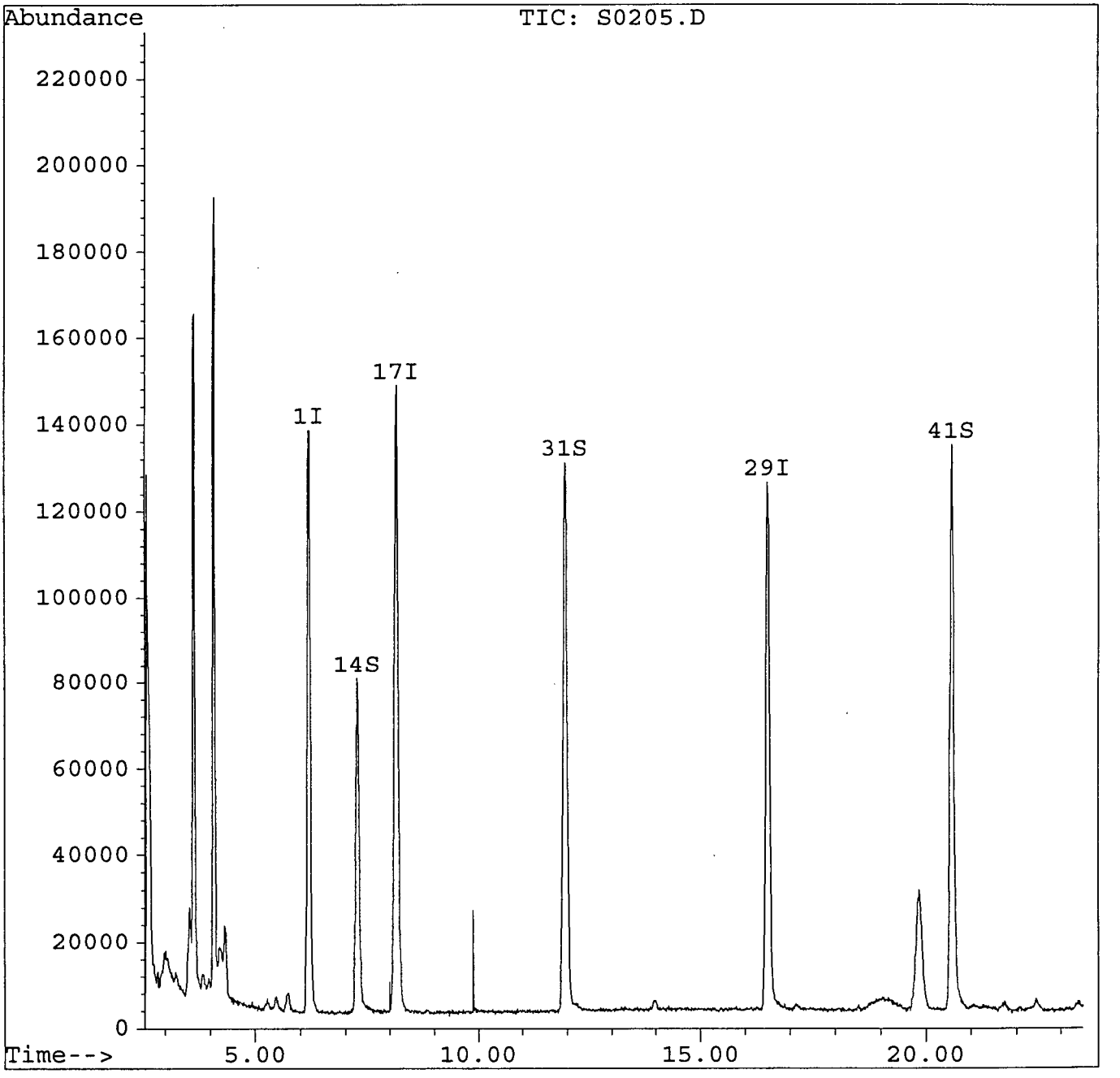
0182

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0205.D
Acq Time : 2 Sep 94 1:20 pm
Sample : SL-03-(B) 5.468g/5ml
Misc :
Quant Time: Oct 19 7:22 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0183

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 5.486 (g/mL) g Lab File ID: S0405

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 12 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	9.5	B
67-64-1	Acetone	8.3	B
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	14	B
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

0184

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 5.486 (g/mL) g Lab File ID: S0405

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 12 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

0185

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0405.D
Acq Time : 4 Sep 94 12:33 pm
Sample : SL-04 5.486g/5ml
Misc :
Quant Time: Oct 19 7:38 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.17	130	206232	50.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.12	114	745425	50.00 ug/L	-0.02
29) Chlorobenzene-d5	16.48	117	542546	50.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.24	65	224962	53.21 ug/L	106.42%
31) Toluene-d8	11.92	98	634315	51.28 ug/L	102.55%
41) Bromofluorobenzene	20.55	95	429257	45.42 ug/L	90.85%
Target Compounds					Qvalue
7) Acetone	3.62	43	47290	7.99 ug/L m	99
9) Methylene Chloride	4.07	84	136156	9.16 ug/L m	97
16) 2-Butanone	5.44	43	27393	13.10 ug/L m	100

0186

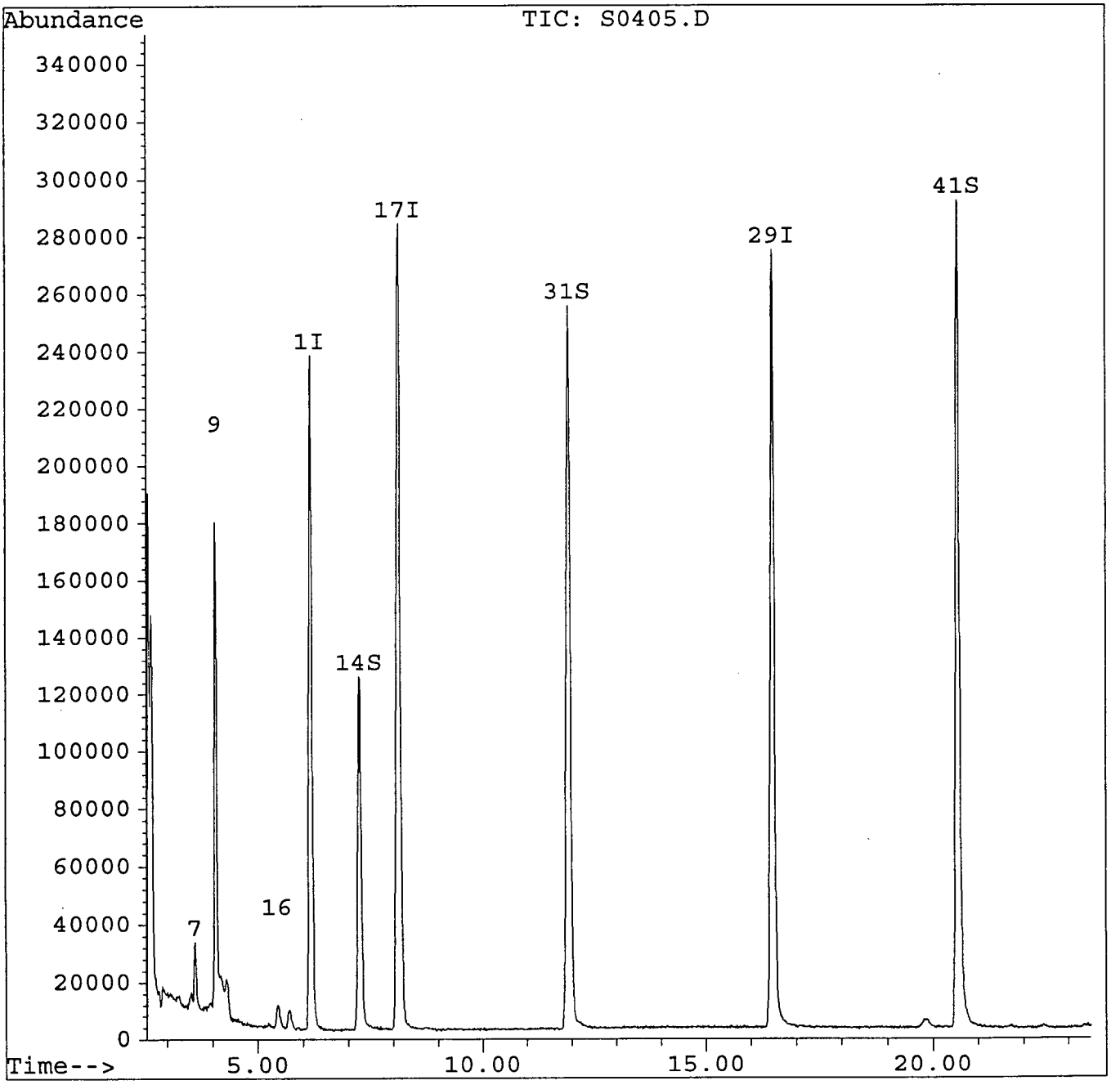
(#) = qualifier out of range (m) = manual integration

Quantitation Report

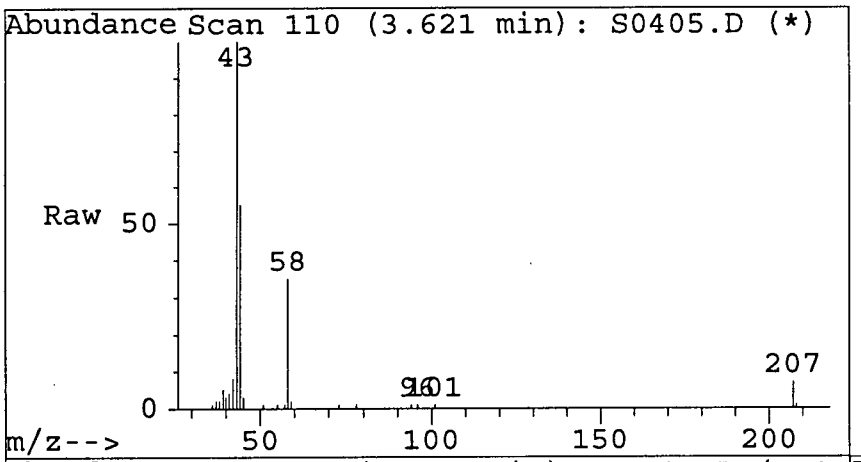
Data File : C:\HPCHEM\1\DATA\S0405.D
Acq Time : 4 Sep 94 12:33 pm
Sample : SL-04 5.486g/5ml
Misc :
Quant Time: Oct 19 7:38 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



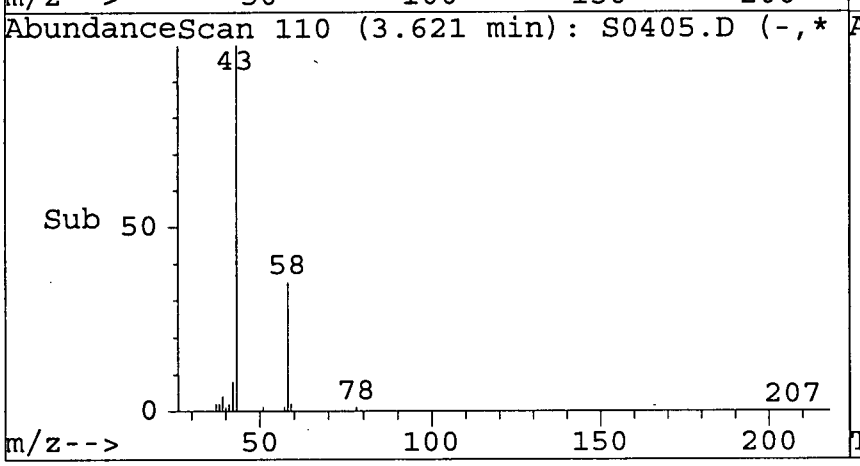
0187

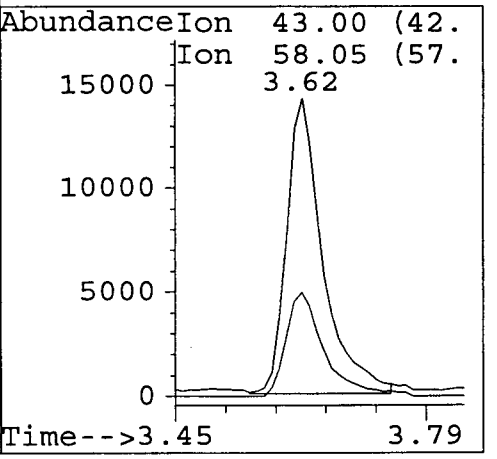


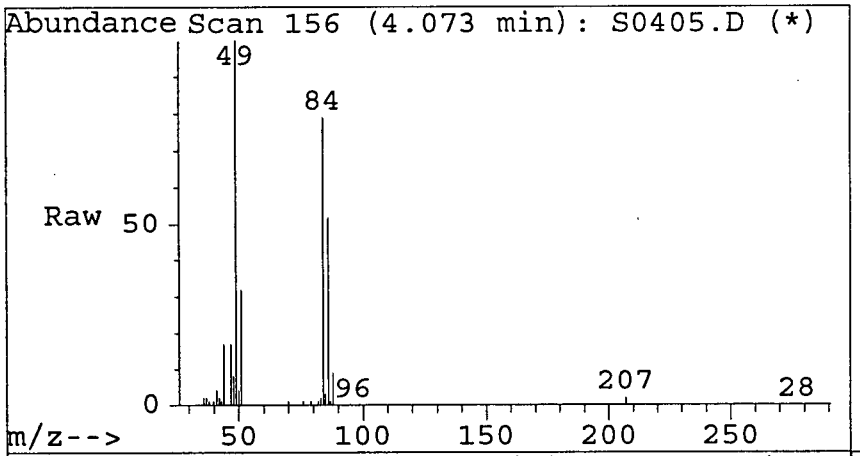
#7
Acetone
Concen: 7.99 ug/L m
RT: 3.62 min Scan# 110
Delta R.T. -0.01 min
Lab File: S0405.D
Acq: 4 Sep 94 12:33 pm

Tgt Ion:43 Resp: 47290

Ion	Ratio	Lower	Upper
43	100		
58	34.6	30.3	45.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0



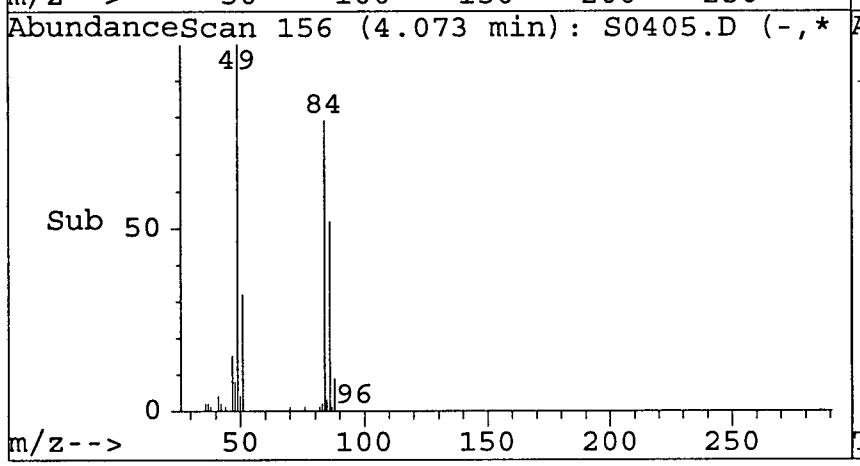


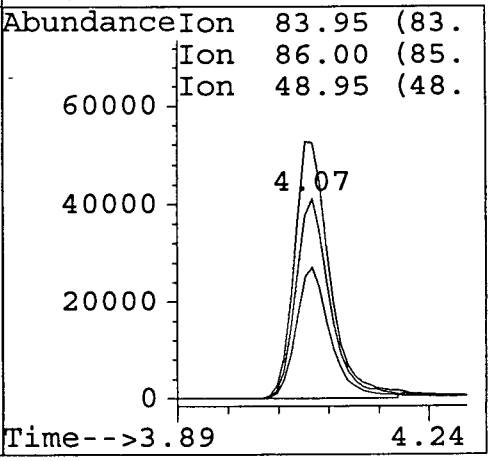


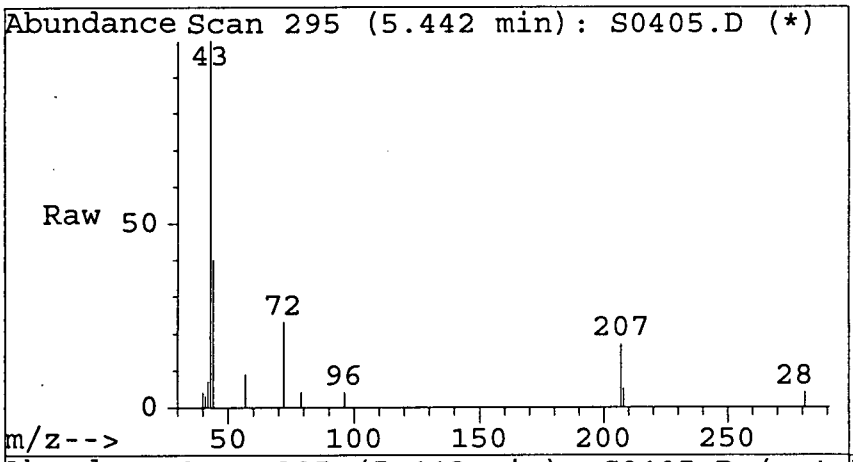
#9
Methylene Chloride
Concen: 9.16 ug/L m
RT: 4.07 min Scan# 156
Delta R.T. -0.01 min
Lab File: S0405.D
Acq: 4 Sep 94 12:33 pm

Tgt Ion:83.95 Resp: 136156

Ion	Ratio	Lower	Upper
84	100		
86	65.8	53.5	80.3
49	127.2	108.9	163.3
0	0.0	0.0	0.0



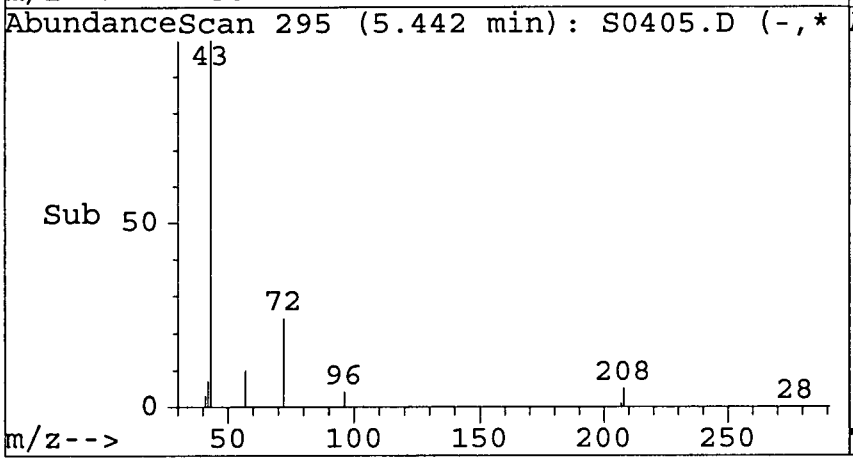


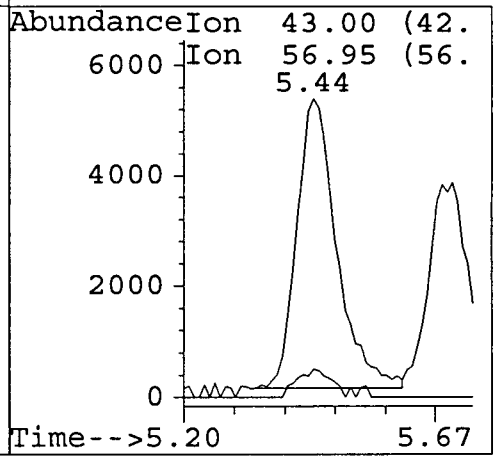


#16
2-Butanone
Concen: 13.10 ug/L m
RT: 5.44 min Scan# 295
Delta R.T. -0.01 min
Lab File: S0405.D
Acq: 4 Sep 94 12:33 pm

Tgt Ion:43 Resp: 27393

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0





0189

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\S0405.D
Acq Time : 4 Sep 94 12:33 pm
Sample : SL-04 5.486g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC01.M
Title : voa 5 point
Library : NBS75K.L

No Library Search Compounds Detected

0190

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-05

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-05

Sample wt/vol: 5.481 (g/mL) g Lab File ID: S0206

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 14 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0206.D
Acq Time : 2 Sep 94 1:54 pm
Sample : SL-05 5.481g/5ml
Misc :
Quant Time: Oct 19 7:23 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.14	130	165866	50.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.10	114	594459	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.48	117	402219	50.00 ug/L	0.00

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.23	65	190870	50.21 ug/L	100.41%
31) Toluene-d8	11.93	98	517852	52.04 ug/L	104.07%
41) Bromofluorobenzene	20.56	95	349837	43.22 ug/L	86.44%

Target Compounds Qvalue

0192

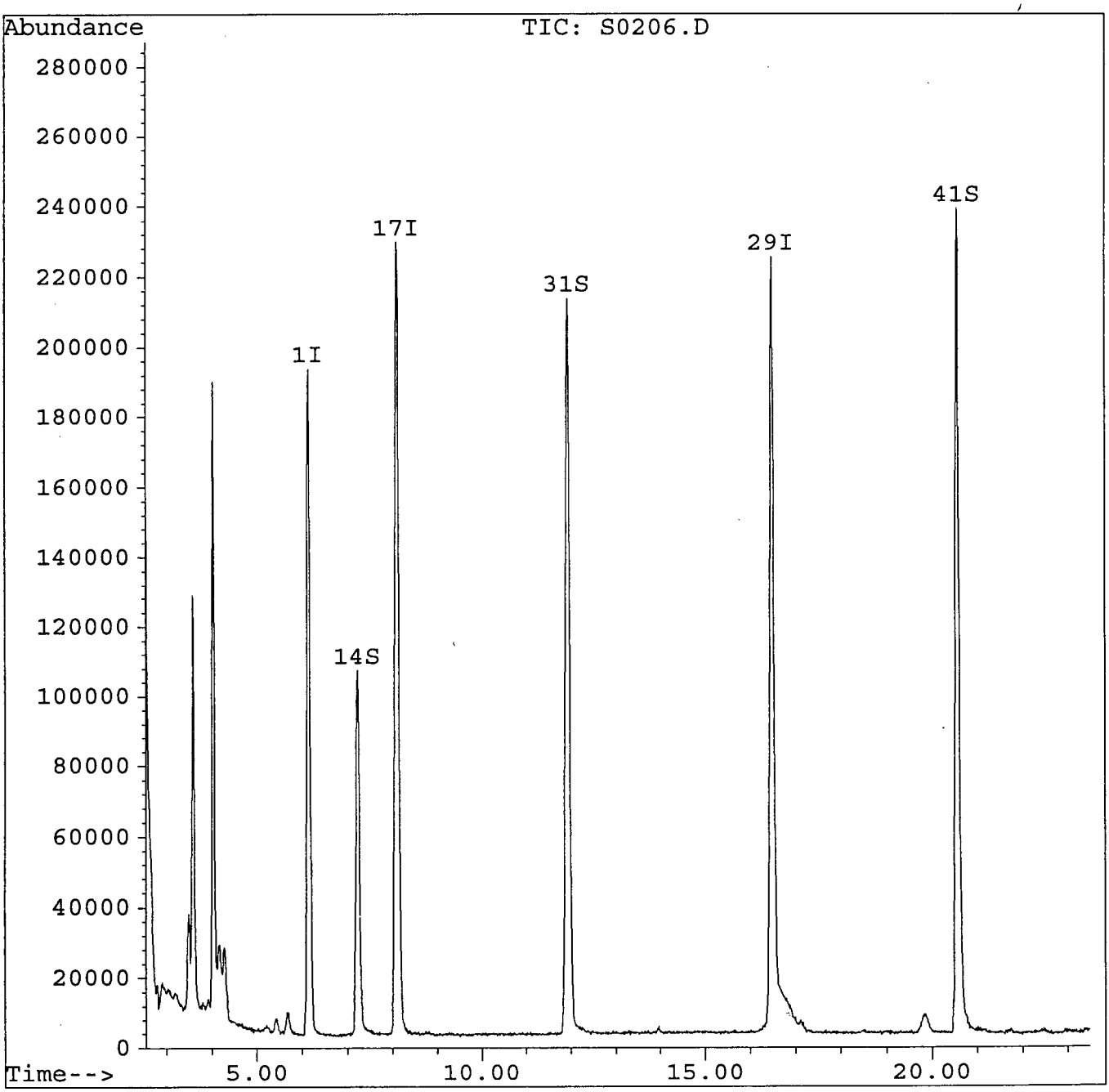
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0206.D
Acq Time : 2 Sep 94 1:54 pm
Sample : SL-05 5.481g/5ml
Misc :
Quant Time: Oct 19 7:23 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0193

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 5.208 (g/mL) g Lab File ID: S0406

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 17 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	5.2	B
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	5.0	B
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-6/7

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 5.208 (g/mL) g Lab File ID: S0406

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 17 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00110-54-3	HEXANE	4.37	8.4	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0406.D
Acq Time : 4 Sep 94 12:58 am
Sample : SL-6/7 5.208g/5ml
Misc :
Quant Time: Sep 4 1:28 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	227792	50.00 ug/L	0.04
17) 1,4-Difluorobenzene	8.18	114	938365	50.00 ug/L	0.04
29) Chlorobenzene-d5	16.50	117	720586	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	236626	50.67 ug/L	101.34%
31) Toluene-d8	11.97	98	802719	48.86 ug/L	97.71%
41) Bromofluorobenzene	20.57	95	584127	46.54 ug/L	93.08%
Target Compounds					Qvalue
7) Acetone	3.66	43	29601	4.53 ug/L m	94
9) Methylene Chloride	4.11	84	172998	10.53 ug/L m	97
16) 2-Butanone	5.49	43	9967	4.32 ug/L m	100

0196

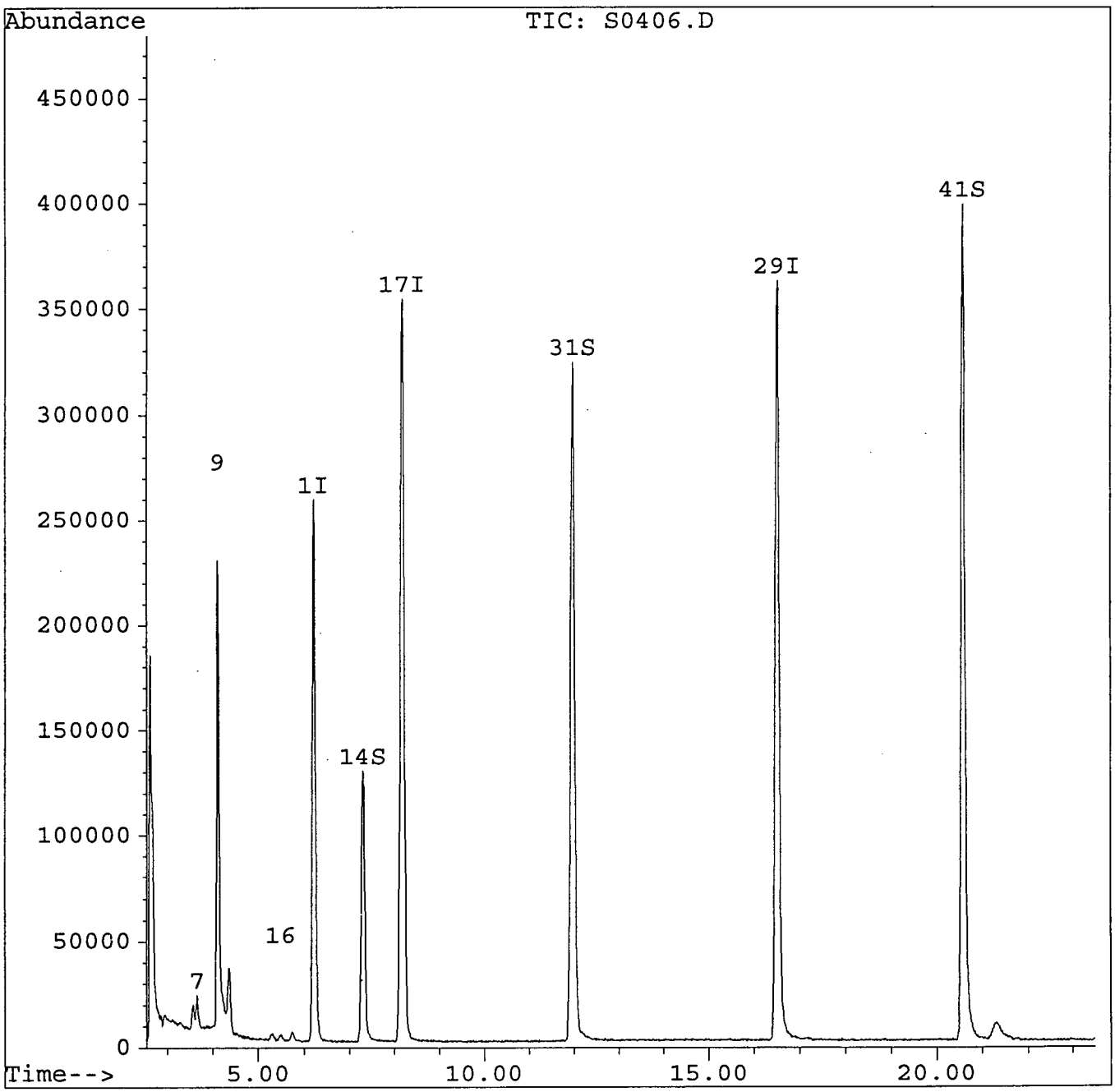
(#) = qualifier out of range (m) = manual integration

Quantitation Report

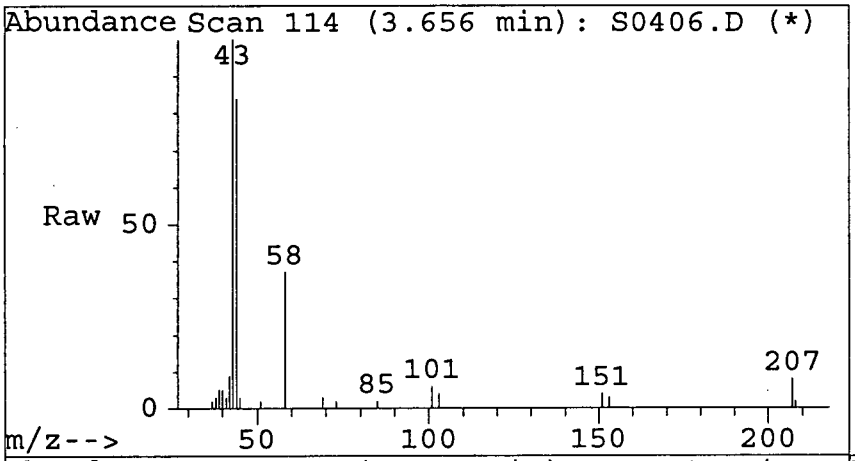
Data File : C:\HPCHEM\1\DATA\S0406.D
Acq Time : 4 Sep 94 12:58 am
Sample : SL-6/7 5.208g/5ml
Misc :
Quant Time: Sep 4 1:28 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



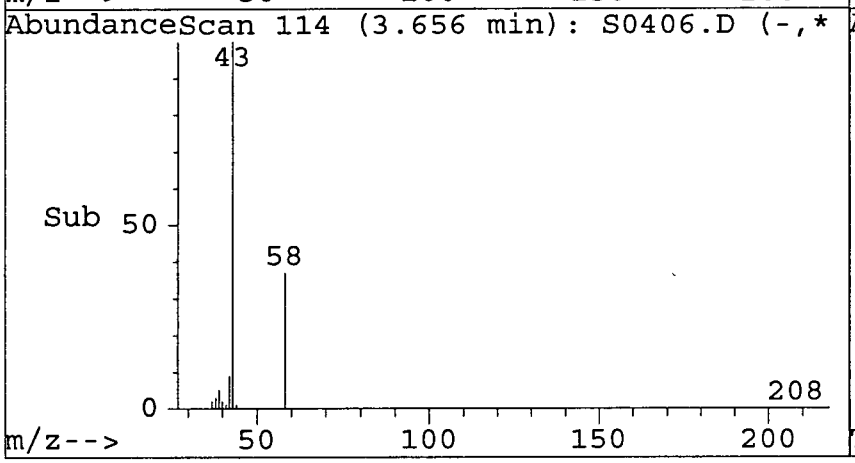
0197

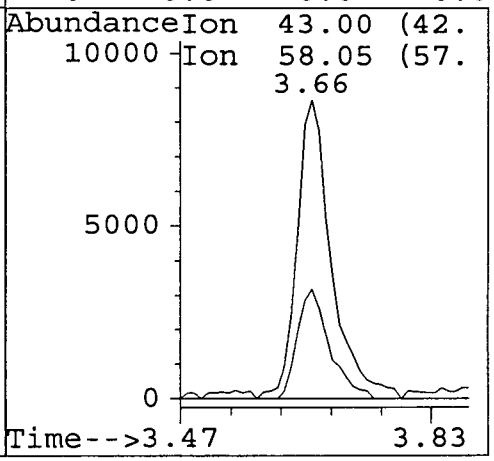


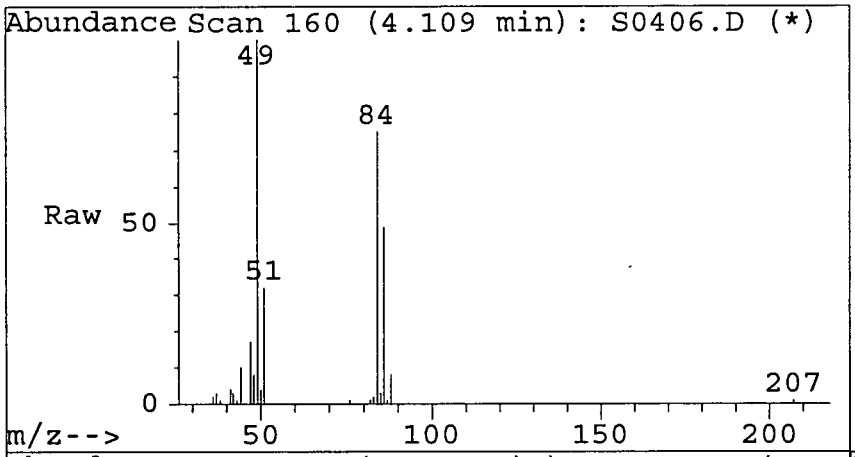
#7
Acetone
Concen: 4.53 ug/L m
RT: 3.66 min Scan# 114
Delta R.T. 0.03 min
Lab File: S0406.D
Acq: 4 Sep 94 12:58 am

Tgt Ion:43 Resp: 29601

Ion	Ratio	Lower	Upper
43	100		
58	34.4	30.3	45.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0



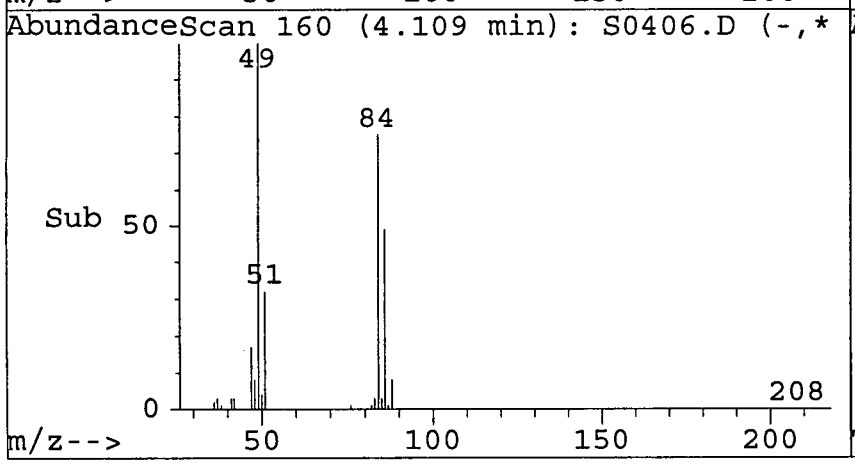


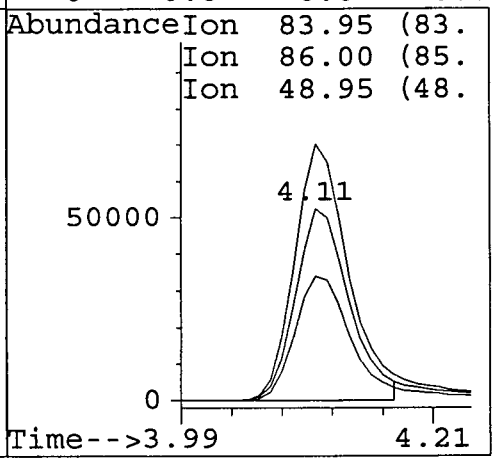


#9
Methylene Chloride
Concen: 10.53 ug/L m
RT: 4.11 min Scan# 160
Delta R.T. 0.03 min
Lab File: S0406.D
Acq: 4 Sep 94 12:58 am

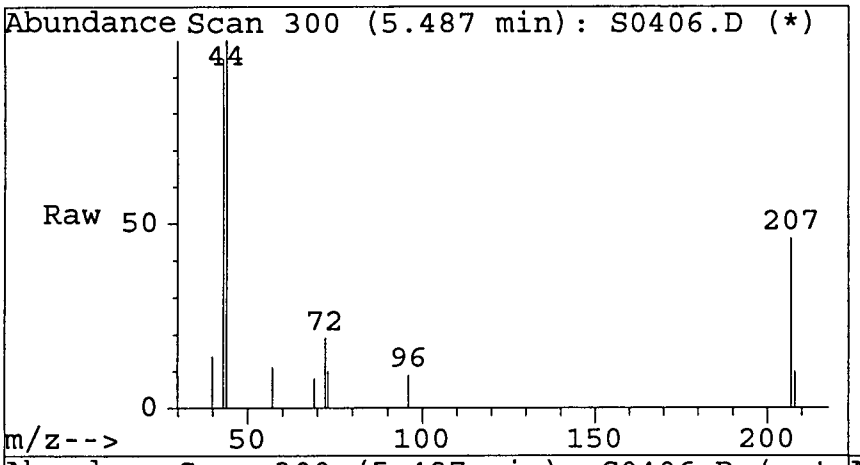
Tgt Ion:83.95 Resp: 172998

Ion	Ratio	Lower	Upper
84	100		
86	65.0	53.5	80.3
49	133.7	108.9	163.3
0	0.0	0.0	0.0





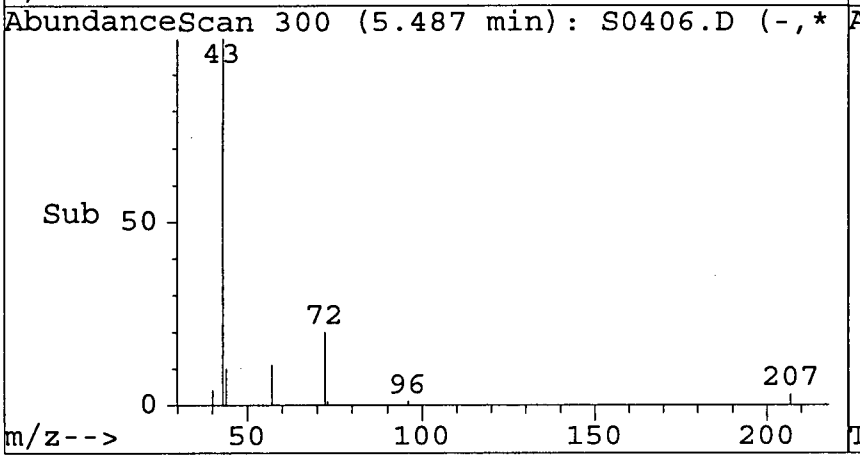
0198

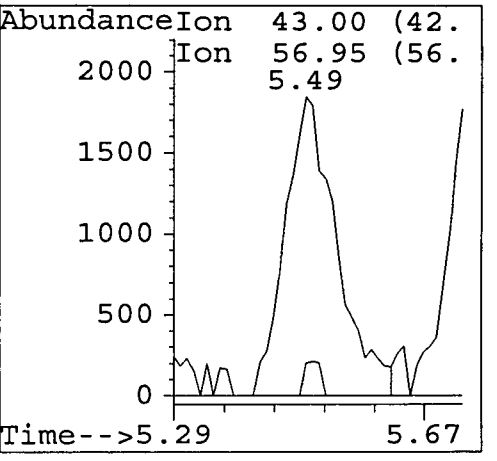


#16
2-Butanone
Concen: 4.32 ug/L m
RT: 5.49 min Scan# 300
Delta R.T. 0.04 min
Lab File: S0406.D
Acq: 4 Sep 94 12:58 am

Tgt Ion:43 Resp: 9967

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	0.0
0	0.0	0.0	0.0
0	0.0	0.0	0.0





0199

Library Search Compound Report

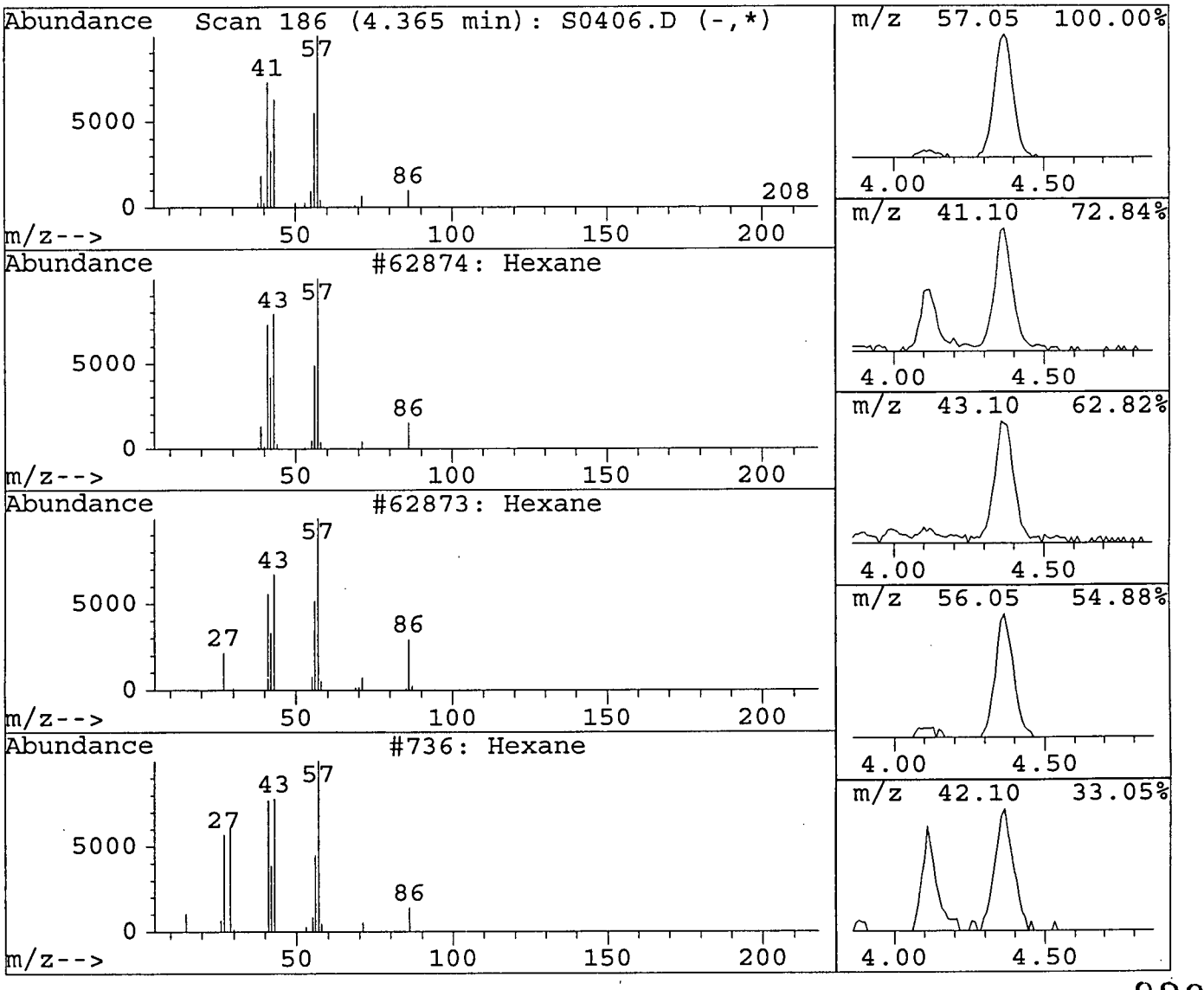
Data File : C:\HPCHEM\1\DATA\S0406.D
Acq Time : 4 Sep 94 12:58 am
Sample : SL-6/7 5.208g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
4.36	7.28 ug/L	180149	Bromochloromethane	6.23

Hit# of 11	Tentative ID	Ref#	CAS#	Qual
1	Hexane	62874	000110-54-3	90
2	Hexane	62873	000110-54-3	78
3	Hexane	736	000110-54-3	72
4	Hexane	62872	000110-54-3	64
5	Pentane, 3-methyl-	734	000096-14-0	42



0200

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 5.144 (g/mL) g Lab File ID: S0407

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 26 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1.3	U
74-83-9	Bromomethane	1.3	U
75-01-4	Vinyl Chloride	1.3	U
75-00-3	Chloroethane	1.3	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	7.8	B
75-15-0	Carbon Disulfide	1.3	U
75-35-4	1,1-Dichloroethene	1.3	U
75-34-3	1,1-Dichloroethane	1.3	U
540-59-0	1,2-Dichloroethene (total)	1.3	U
67-66-3	Chloroform	1.3	U
107-06-2	1,2-Dichloroethane	1.3	U
78-93-3	2-Butanone	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
56-23-5	Carbon Tetrachloride	1.3	U
75-27-4	Bromodichloromethane	1.3	U
78-87-5	1,2-Dichloropropane	1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	U
79-01-6	Trichloroethene	1.3	U
124-48-1	Dibromochloromethane	1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	U
71-43-2	Benzene	1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	U
75-25-2	Bromoform	1.3	U
108-10-1	4-Methyl-2-Pentanone	1.3	U
591-78-6	2-Hexanone	1.3	U
127-18-4	Tetrachloroethene	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U
108-88-3	Toluene	1.3	U
108-90-7	Chlorobenzene	1.3	U
100-41-4	Ethylbenzene	1.3	U
100-42-5	Styrene	1.3	U
1330-20-7	Xylene (total)	1.3	U

0201