

US EPA ARCHIVE DOCUMENT



Wells G & H
Tab
SS36 25

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

**APPENDIX V
CLP DATA Packages**



SDMS DocID 553625

**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)

09:16:51 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 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

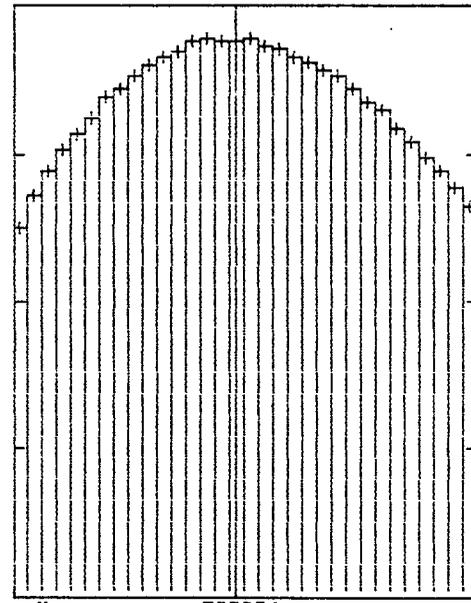
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:23:25 06 Sep 1994
Folder: CLP-1D Seq: 528 Print: On
User: Batch: 9/1/94 Id: Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mnl

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

Tip to rinse



Y 722064

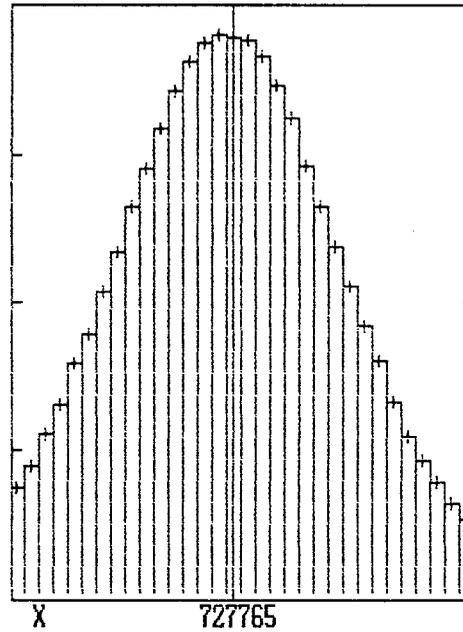
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:29:00 06 Sep 1994
Folder: CLP-1D Seq: 528 Print: On
User: Batch: 9/1/94 Id: Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mnl

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

Tip to rinse



11:01:56 06 Sep 1994

Folder: CLP-1D

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Protocol: CLP-1

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		
A13		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

A13	-.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
-A13		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

0137

12:10:55 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** Sample ID: PRPBLKSOIL 9/6/94 Seq: 551 12:10:55 06 Sep 1994 ICP

A13	.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

A13	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

A13	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

12:29:54 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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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

A13	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

A13	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

A13	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		

0140

12:57:14 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 8

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		
A13		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

A13	.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

A13	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

0141

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

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

13:16:46 06 Sep 1994 Folder: CLP-1D Page 9
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

13:33:59 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** 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		
Pa1	.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		
Pa1	.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
Pa1	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

0143

*** Peak

Seq: 574

13:53:00 06 Sep 1994

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

13:55:19 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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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								
A13	.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

18:37:00 07 Sep 1994

Folder: SB-CLP
Protocol: SB-CLP

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

*** 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	5.308	5.000		0.250

0147

19:16:18 07 Sep 1994

Folder: SB-CLP
Protocol: SB-CLP

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** 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: PRPBK H2O 9/7/94 Seq: 32 19:26:22 07 Sep 1994 ICP

Sb1 .0330 .0265 .0037 .0401 .0552

*** Peak Seq: 33 19:29:35 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

0148

19:45:05 07 Sep 1994

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Protocol: SB-CLP

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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		

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*** 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

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17:15:41 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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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		
Ba1	.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		
Ba1		103.3	10.33	10.00	PPM	.1705		
*** Sample ID: CCB				9/6/94	Seq: 631	17:20:38 06 Sep 1994 ICP		
Ba1	.0001	PPM	.0003	-.0003	.0003	.0002		
*** Sample ID: ICS A				9/6/94	Seq: 632	17:23:20 06 Sep 1994 ICP		
Ba1	.0236	PPM	.0002	.0238	.0237	.0234		
*** Sample ID: ICS AB				9/6/94	Seq: 633	17:25:32 06 Sep 1994 ICP		
Ba1	.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		
Ba1	.0009	PPM	.0005	.0003	.0013	.0010		
*** Sample ID: LCS				9/6/94	Seq: 636	17:32:10 06 Sep 1994 ICP		
Ba1	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		
Ba1	.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		
Ba1	.0550	PPM	.0011	.0562	.0549	.0540		

17:42:40 06 Sep 1994

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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								
Ba1	.1109	PPM	.0009	.1119	.1104	.1104		
*** Sample ID: SL-08 5X 9/6/94 Seq: 641 17:44:50 06 Sep 1994 ICP								
Ba1	.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		
Ba1		105.7	10.57	10.00	PPM	.1886		
*** Sample ID: CCB 9/6/94 Seq: 643 17:49:42 06 Sep 1994 ICP								
Ba1	.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								
Ba1	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								
Ba1	.1194	PPM	.0030	.1228	.1185	.1170		
*** Sample ID: PRPBLK H2O 9/6/94 Seq: 647 18:01:59 06 Sep 1994 ICP								
Ba1	.0007	PPM	.0003	.0004	.0006	.0010		
*** Sample ID: FIELD BLK 9/6/94 Seq: 648 18:04:32 06 Sep 1994 ICP								
Ba1	.0006	PPM	.0005	-.0000	.0007	.0010		
*** Sample ID: ICS A 9/6/94 Seq: 649 18:06:33 06 Sep 1994 ICP								
Ba1	.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								
Ba1	.5553	PPM	.0147	.5723	.5468	.5468		

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18:10:28 06 Sep 1994

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** 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
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14:16:21 06 Sep 1994

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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		

0156

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

15:03:18 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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

Ba1	.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

Ba1	.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

Ba1	.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

15:50:05 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** Sample ID: SL-08 9/6/94 Seq: 602 15:50:05 06 Sep 1994 ICP

Be1	.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

Be1	.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
Be1	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		
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0161

Cd3	-.00005	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

16:11:07 06 Sep 1994

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

0162

*** 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

16:33:22 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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

16:53:12 06 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

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

09:43:49 01 Sep 1994

Folder: MES-1S
Protocol: MES-1

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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

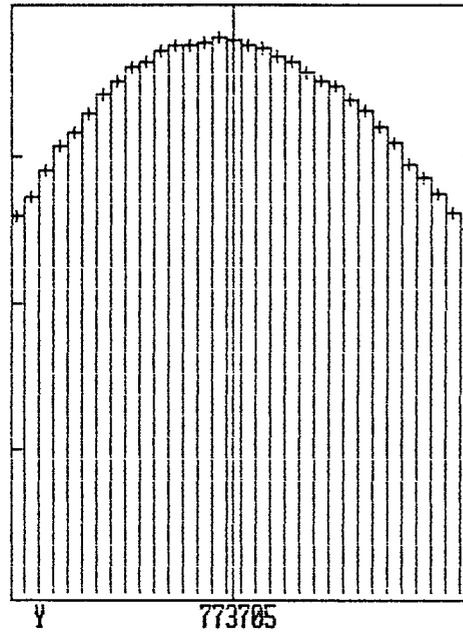
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:56:12 01 Sep 1994
Folder: CLP-1D Seq: 455 Print: On
User: Batch: 8/26/94 Id: BLK Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mn1

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

Tip to rinse



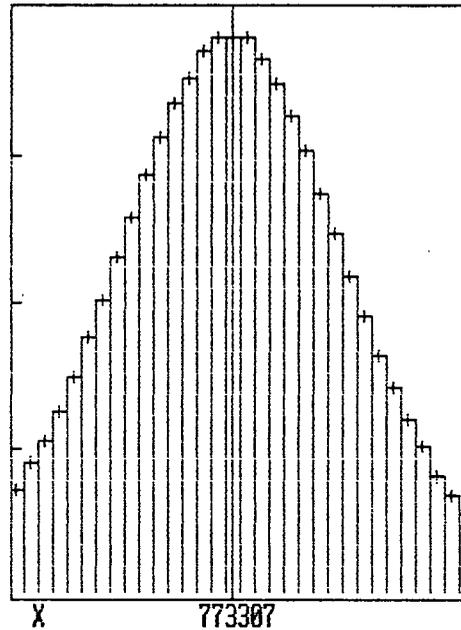
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 10:57:22 01 Sep 1994
Folder: CLP-1D Seq: 455 Print: On
User: Batch: 8/26/94 Id: BLK Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mn1

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

Tip to rinse



11:06:32 01 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

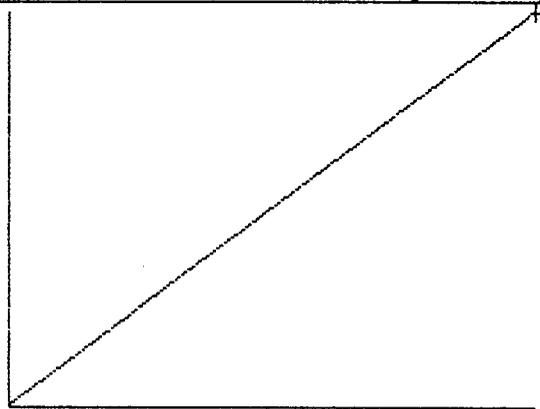
Page 2

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

11:31:57 01 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 3

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		
*** 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		

CP1

12:02:59 01 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 4

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

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

PBS

0172

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

12:39:04 01 Sep 1994 Folder: CLP-1D Protocol: CLP-1 Page 5

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

0173

*** 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

13:15:20 01 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 6

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		

0175

*** Peak

Seq: 689

11:20:51 09 Sep 1994

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

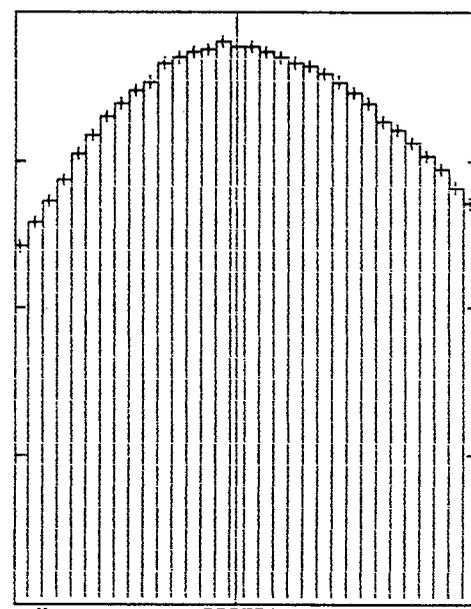
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 11:22:14 09 Sep 1994
Folder: CLP-1D Seq: 690 Print: On
User: Batch: 9/6/94 Id: CCV Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mn1

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

Tip to rinse



Y 800581

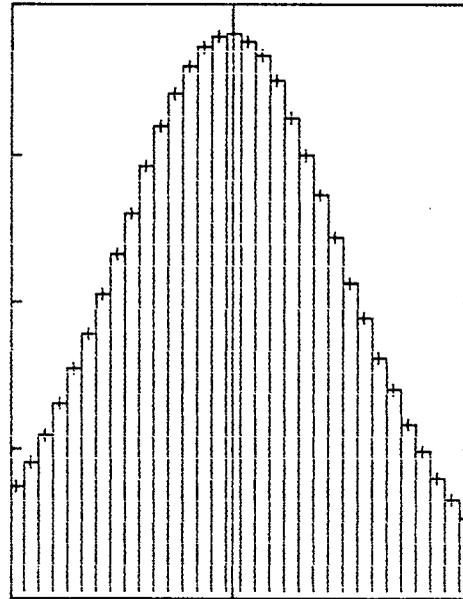
Protocol: CLP-1
Mode: Sequential Rev: 2.005 Time: 11:23:29 09 Sep 1994
Folder: CLP-1D Seq: 690 Print: On
User: Batch: 9/6/94 Id: CCV Cup:
State: Idle Xmit: Off Autosampler: Off

ICP: Operation

Mnl

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

Tip to rinse



X

802934

11:42:27 09 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 4

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		

0180

12:13:27 09 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 5

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		

0181

12:38:38 09 Sep 1994

Folder: CLP-1D
Protocol: CLP-1

Page 6

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
-----	-------	-----	-------	-------	-------	--------

```

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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

```

```

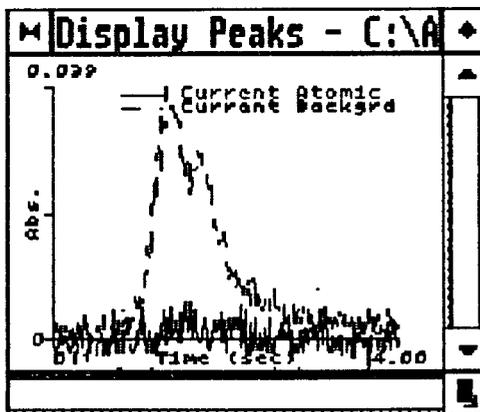
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1                      Time: 13:23
Peak Area (A-s): -0.000         Peak Height (A): 0.008
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): -0.000

```

```

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

```

```

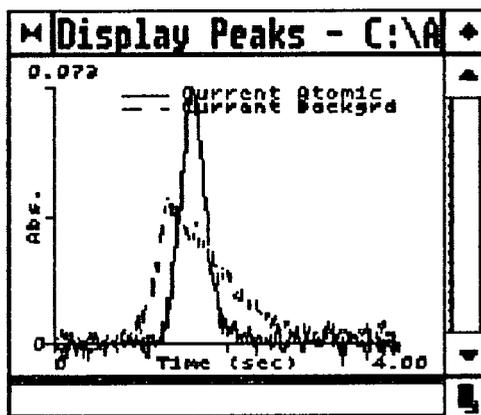
uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1                      Time: 13:29
Peak Area (A-s): 0.026         Peak Height (A): 0.066
Background Pk Area (A-s): 0.036 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.025

```

```

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

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

Peak Area (A-s): 0.066

Background Pk Area (A-s): 0.040

Blank Corrected Pk Area (A-s): 0.066

Concentration (ug/L): 25.4

Time: 13:34

Peak Height (A): 0.193

Background Pk Height (A): 0.049

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

Replicate 2 (Peak Stored)

Peak Area (A-s): 0.066

Background Pk Area (A-s): 0.040

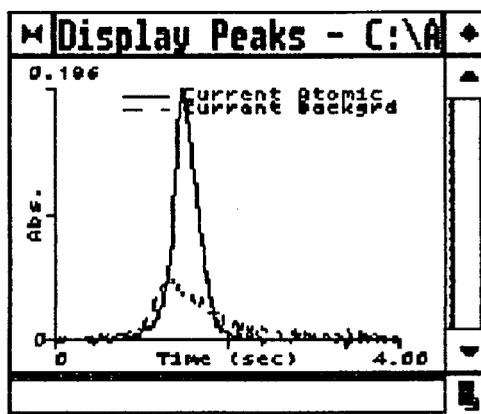
Blank Corrected Pk Area (A-s): 0.065

Concentration (ug/L): 25.3

Time: 13:37

Peak Height (A): 0.186

Background Pk Height (A): 0.049



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

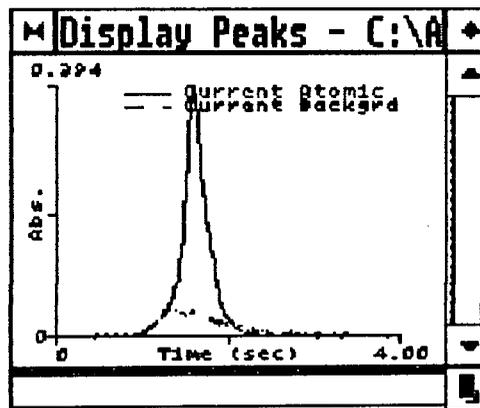
Peak Height (A): 0.394

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

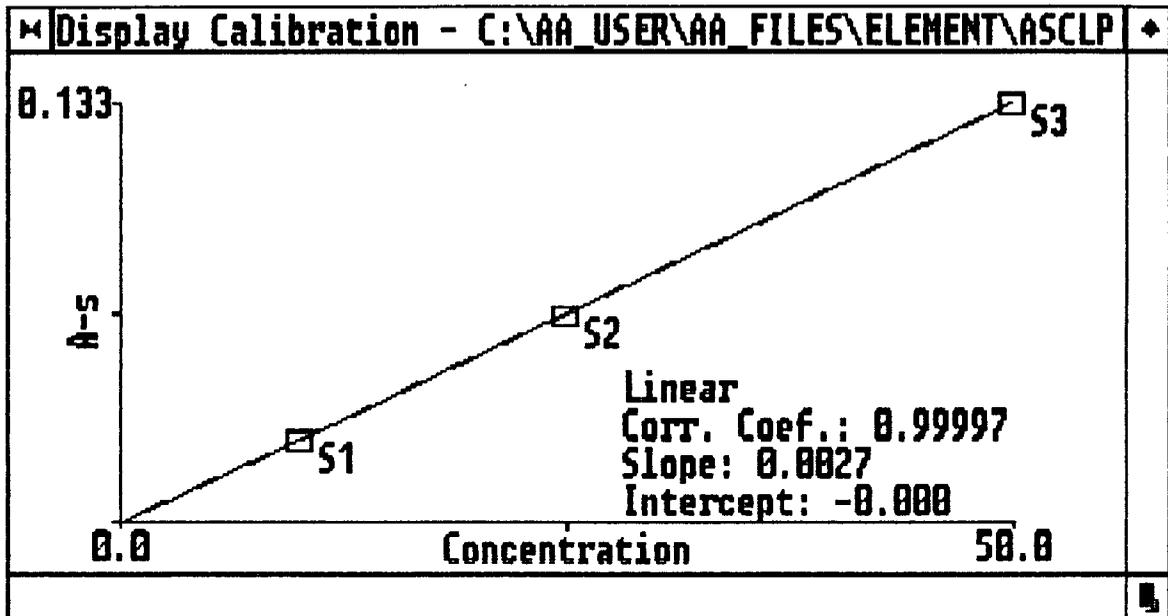
RSD(%): 0.43

Standard number 3 applied. [50.0]

Correlation coefficient: 0.99997

Slope: 0.0027

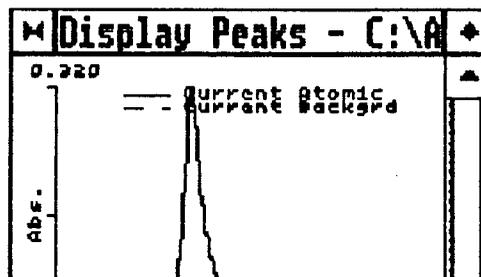
Int: -0.000

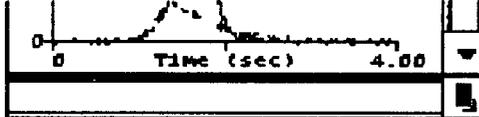


As ID: ICV Seq. No.: 00005 A/S Pos.: 8 Date: 09/01/94

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): -----





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

n=40

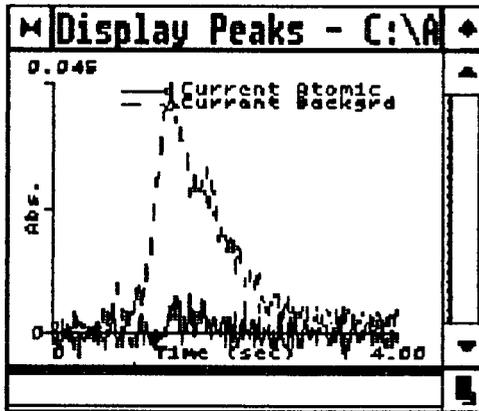
QC sample is within range 36.0 - 44.0

100%

As ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
 Replicate 1 Time: 13:53
 Peak Area (A-s): 0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.049
 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 2
 Replicate 2 (Peak Stored) Time: 13:56
 Peak Area (A-s): 0.001 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.045
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.4 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): 0.4 SD: 0.05 RSD(%): 13.01
 Corrected Conc (mg/kg): -----

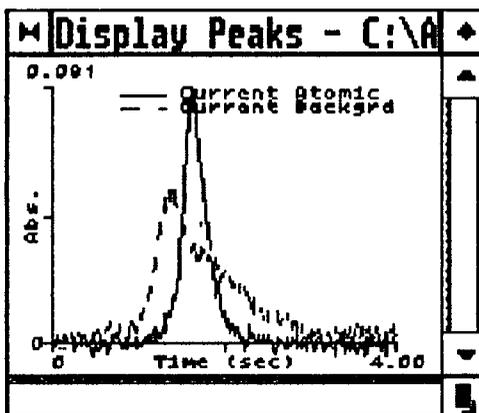
QC sample is within range -10.0 - 10.0

As ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
 Replicate 1 Time: 13:59
 Peak Area (A-s): 0.025 Peak Height (A): 0.067
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.056
 Blank Corrected Pk Area (A-s): 0.025
 Concentration (ug/L): 9.5 Corrected Conc (mg/kg): -----

0187

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): -----



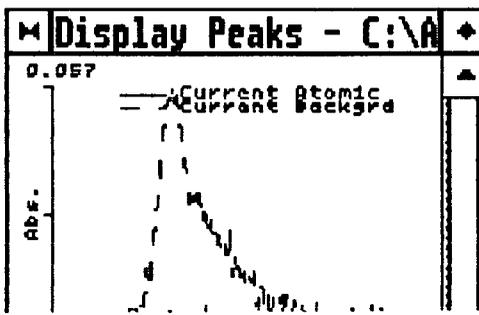
Mean Conc (ug/L): 9.9 SD: 0.56 RSD(%): 5.66
 Corrected Conc (mg/kg): -----

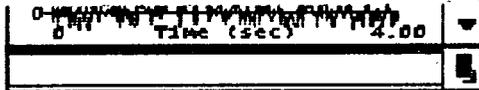
QC sample is within range 3 - 15

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): -----





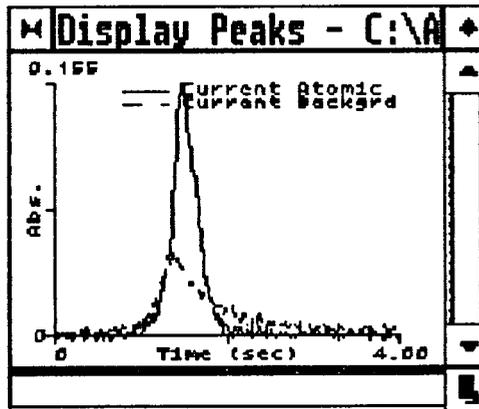
Mean Conc (ug/L): 0.3 SD: 0.01 RSD(%): 1.94
 Corrected Conc (mg/kg): -----

As ID: PBLK-SOIL Seq. No.: 00009 A/S Pos.: 10 Date: 09/01/94

uL dispensed: 5 from 1, 4 from 7, 20 from 10
 Replicate 1 Time: 14:10
 Peak Area (A-s): 0.054 Peak Height (A): 0.152
 Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.049
 Blank Corrected Pk Area (A-s): 0.053
 Concentration (ug/L): 20.1 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 10
 Replicate 2 (Peak Stored) Time: 14:13
 Peak Area (A-s): 0.056 Peak Height (A): 0.155
 Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.052
 Blank Corrected Pk Area (A-s): 0.055
 Concentration (ug/L): 21.0 Corrected Conc (mg/kg): -----

PBSA



Mean Conc (ug/L): 20.6 SD: 0.61 RSD(%): 2.97
 Corrected Conc (mg/kg): -----

Recovery is ~~101.5%~~

103%

As ID: PBLK-H2O Seq. No.: 00010 A/S Pos.: 11 Date: 09/01/94

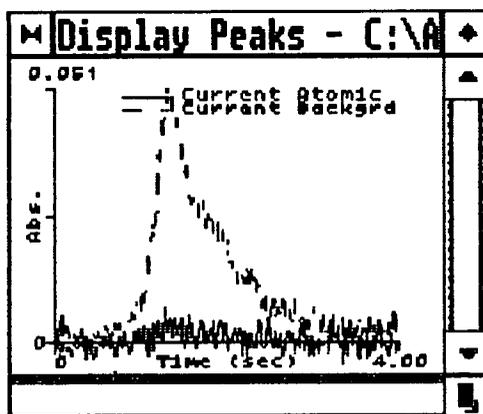
uL dispensed: 4 from 2, 5 from 1, 20 from 11
 Replicate 1 Time: 14:16
 Peak Area (A-s): 0.003 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.048
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 0.9 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 11
 Replicate 2 (Peak Stored) Time: 14:19

0189

Peak Area (A-s): 0.003
Background Pk Area (A-s): 0.042
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.1

Peak Height (A): 0.007
Background Pk Height (A): 0.051
Corrected Conc (mg/kg): -----

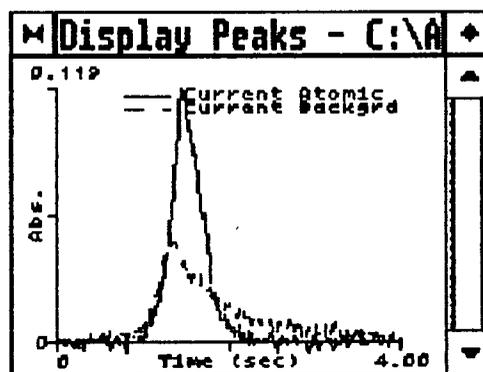


Mean Conc (ug/L): 1.0 SD: 0.12 RSD(%): 11.59
Corrected Conc (mg/kg): -----

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): -----



Mean Conc (ug/L): 19.3 SD: 0.49 RSD(%): 2.53
Corrected Conc (mg/kg): -----

Recovery is ~~91.4%~~

PBWA

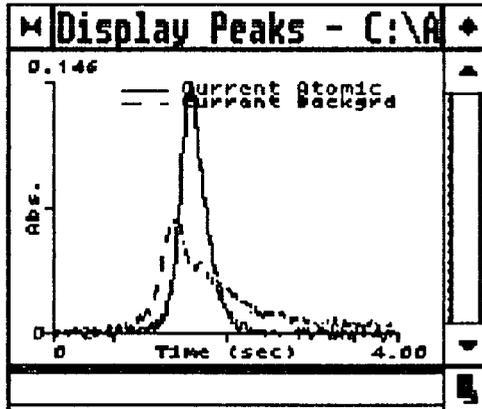
*97.1/
96.5*

As ID: LCS Seq. No.: 00012 A/S Pos.: 12 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 1 Time: 14:27
Peak Area (A-s): 0.054 Peak Height (A): 0.159
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.2 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 2 (Peak Stored) Time: 14:30
Peak Area (A-s): 0.054 Peak Height (A): 0.146
Background Pk Area (A-s): 0.059 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.3 Corrected Conc (mg/kg): -----

*+v=20 at
2x dilution*



2x

Mean Conc (ug/L): 20.2 SD: 0.11 RSD(%): 0.53
Corrected Conc (mg/kg): -----

101%

As ID: LCS Seq. No.: 00013 A/S Pos.: 12 Date: 09/01/94

uL dispensed: 5 from 1, 4 from 7, 20 from 12
Replicate 1 Time: 14:33
Peak Area (A-s): 0.102 Peak Height (A): 0.271
Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.101
Concentration (ug/L): 38.4 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 12
Replicate 2 (Peak Stored) Time: 14:36
Peak Area (A-s): 0.103 Peak Height (A): 0.290
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.063

0191

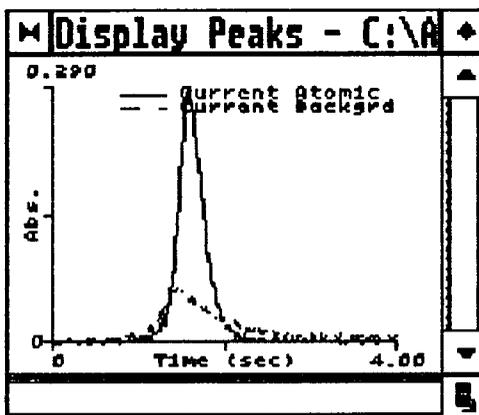
Blank Corrected PK Area (A-s): 0.103
Concentration (ug/L): 38.9

Corrected Conc (mg/kg): -----

LOSA

*+v = 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): -----

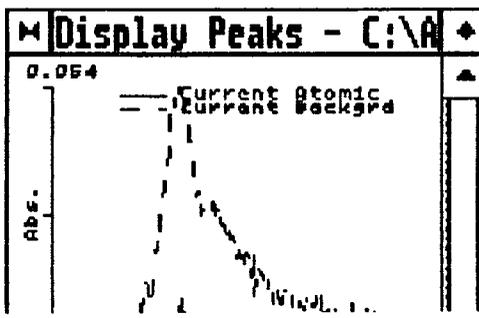
Recovery is ~~92.1%~~

93% 92.5

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): -----



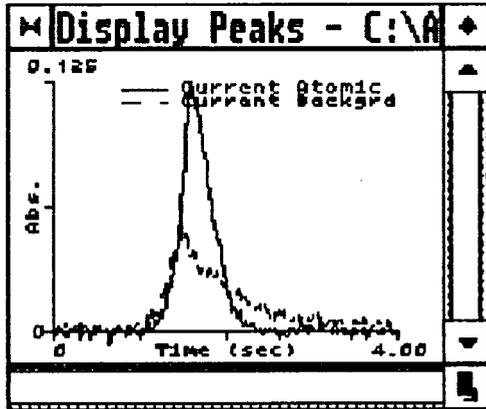
Mean Conc (ug/L): -0.1 SD: 0.38 RSD(%): 333.69
 Corrected Conc (mg/kg): -----

As ID: FIELD BLK Seq. No.: 00015 A/S Pos.: 13 Date: 09/01/94

uL dispensed: 5 from 1, 4 from 7, 20 from 13
 Replicate 1 Time: 14:45
 Peak Area (A-s): 0.052 Peak Height (A): 0.121
 Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.050
 Blank Corrected Pk Area (A-s): 0.052
 Concentration (ug/L): 19.7 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 13
 Replicate 2 (Peak Stored) Time: 14:47
 Peak Area (A-s): 0.053 Peak Height (A): 0.125
 Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.053
 Blank Corrected Pk Area (A-s): 0.052
 Concentration (ug/L): 19.9 Corrected Conc (mg/kg): -----

Field BLK A



Mean Conc (ug/L): 19.8 SD: 0.09 RSD(%): 0.45
 Corrected Conc (mg/kg): -----

Recovery is 99.5% *99%*

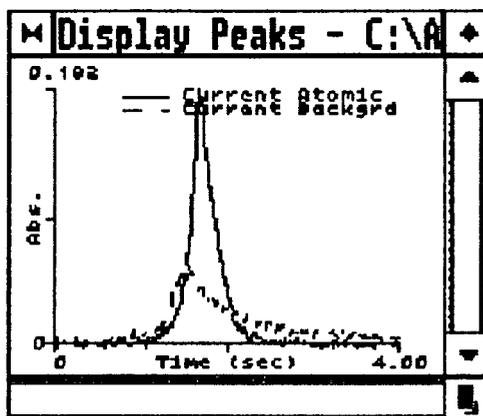
As ID: CCV Seq. No.: 00016 A/S Pos.: 4 Date: 09/01/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 1 Time: 14:51
 Peak Area (A-s): 0.062 Peak Height (A): 0.149
 Background Pk Area (A-s): 0.054 Background Pk Height (A): 0.065
 Blank Corrected Pk Area (A-s): 0.062
 Concentration (ug/L): 23.5 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 2 (Peak Stored) Time: 14:54

Peak Area (A-s): 0.062
Background Pk Area (A-s): 0.052
Blank Corrected Pk Area (A-s): 0.061
Concentration (ug/L): 23.2

Peak Height (A): 0.102
Background Pk Height (A): 0.057
Corrected Conc (mg/kg): -----



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

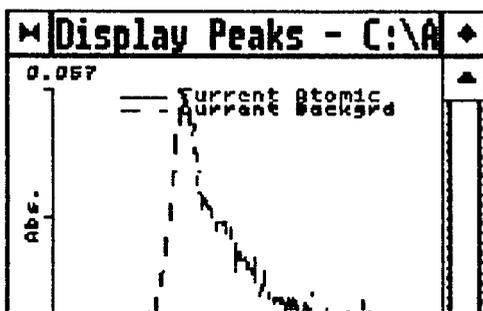
QC sample is within range 22.5 - 27.5

93%

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): -----




```

-----
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

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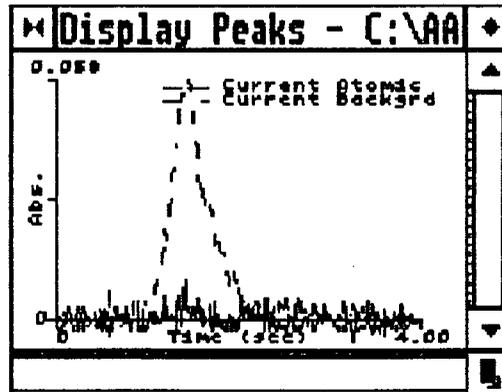
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1      Time: 09:47
Peak Area (A-s): -0.000      Peak Height (A): 0.006
Background Pk Area (A-s): 0.027      Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L ): -0.1

```

```

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.

```

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

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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

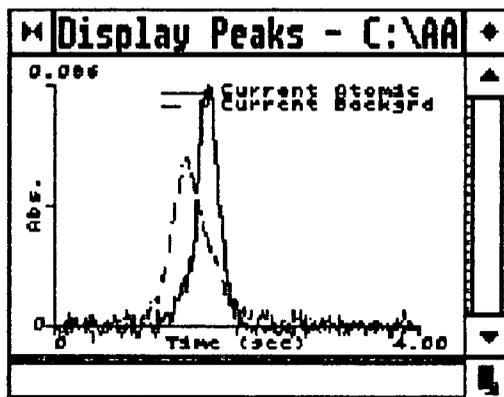
Peak Height (A): 0.086

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

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

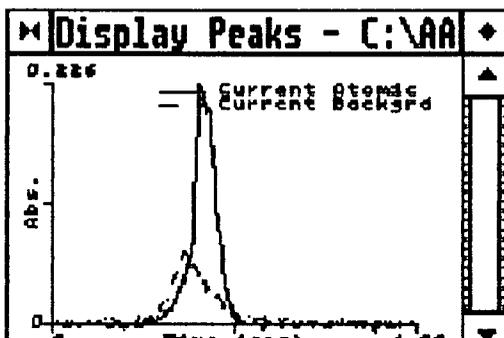
Peak Height (A): 0.226

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



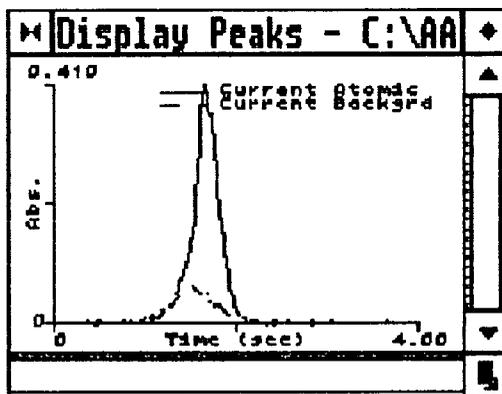
Mean Conc (ug/L): 24.6 SD: 0.01 RSD(%): 0.06

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

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

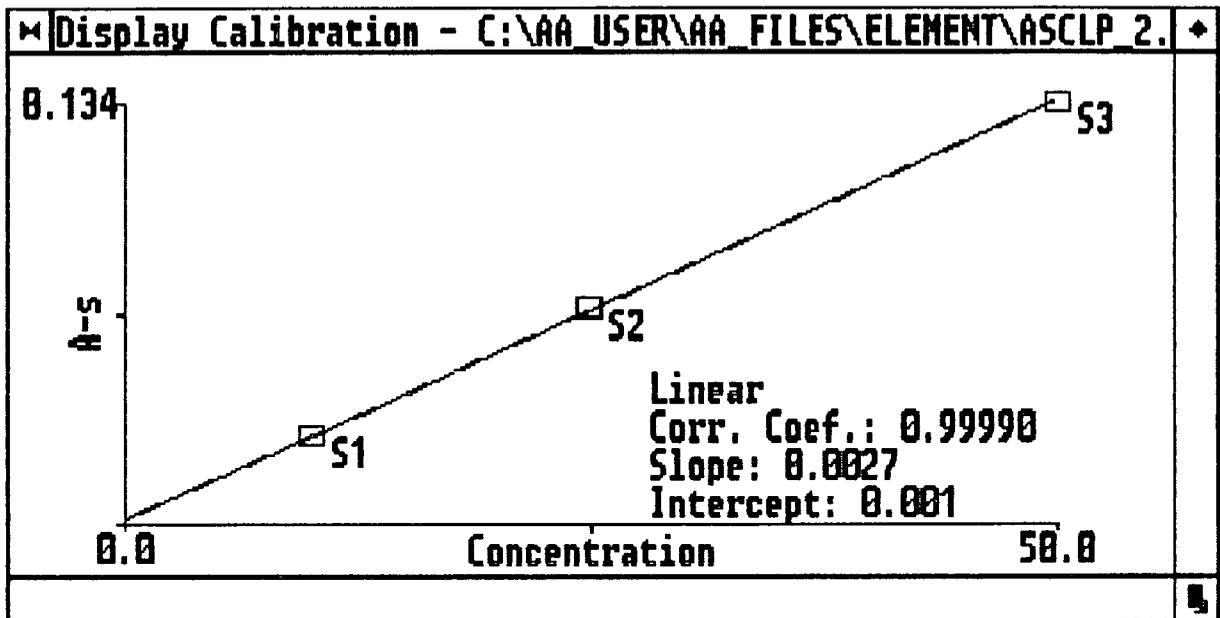
uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 Time: 10:03
Peak Area (A-s): 0.134 Peak Height (A): 0.418
Background Pk Area (A-s): 0.039 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 48.9

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

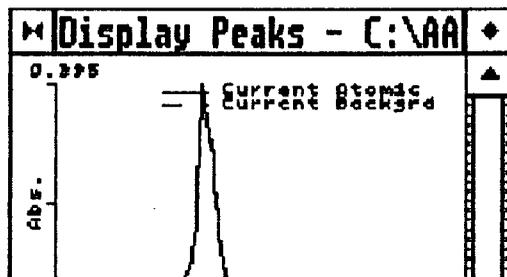
Standard number 3 applied. [50.0]
Correlation coefficient: 0.99990 Slope: 0.0027 Int: 0.001

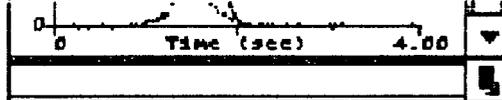


As ID: ICV Seq. No.: 00005 A/S Pos.: 8 Date: 09/02/94

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): -----





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

TV = 40

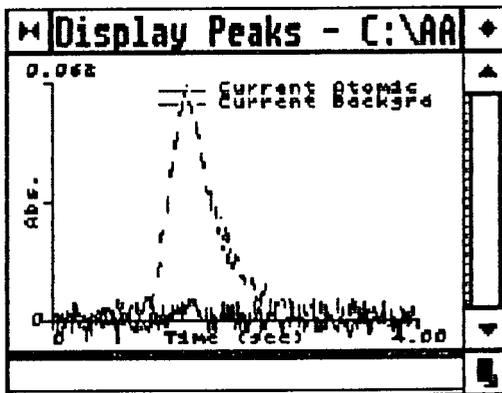
QC sample is within range 36.0 - 44.0

104% R

As ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
 Replicate 1 Time: 10:27
 Peak Area (A-s): -0.000 Peak Height (A): 0.008
 Background PK Area (A-s): 0.039 Background PK Height (A): 0.065
 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 2
 Replicate 2 (Peak Stored) Time: 10:30
 Peak Area (A-s): 0.002 Peak Height (A): 0.006
 Background PK Area (A-s): 0.040 Background PK Height (A): 0.062
 Blank Corrected PK Area (A-s): 0.002
 Concentration (ug/L): 0.5 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): 0.1 SD: 0.58 RSD(%): 451.10
 Corrected Conc (mg/kg): -----

QC sample is within range -10.0 - 10.0

As ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 09/02/94

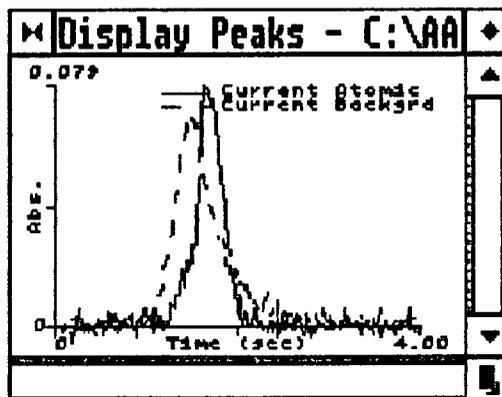
uL dispensed: 4 from 2, 5 from 1, 20 from 3
 Replicate 1 Time: 10:33
 Peak Area (A-s): 0.028 Peak Height (A): 0.081
 Background PK Area (A-s): 0.042 Background PK Height (A): 0.068
 Blank Corrected PK Area (A-s): 0.028
 Concentration (ug/L): 10.2 Corrected Conc (mg/kg): -----

0200

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

Replicate 2 (Peak Stored)
Peak Area (A-s): 0.029
Background Pk Area (A-s): 0.044
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 10.8

Time: 10:30
Peak Height (A): 0.079
Background Pk Height (A): 0.070
Corrected Conc (mg/kg): -----



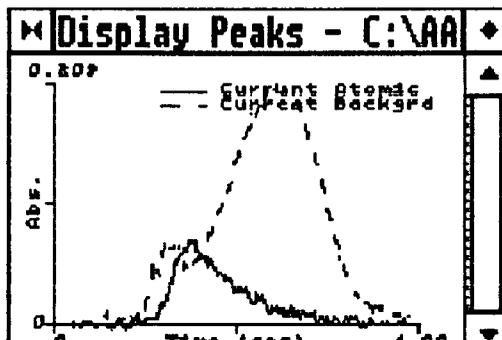
Mean Conc (ug/L): 10.5 SD: 0.40 RSD(%): 3.85
Corrected Conc (mg/kg): -----

QC sample is within range 3 - 15

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): -----



0201

Mean Conc (ug/L): 21.1
Corrected Conc (mg/kg): -----

SD: 0.93

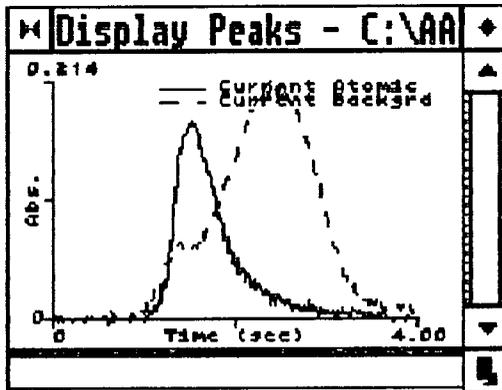
RSD(%): 4.43

As ID: SL-04 Seq. No.: 00009 A/S Pos.: 14 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 7, 20 from 14
Replicate 1 Time: 10:44
Peak Area (A-s): 0.118 Peak Height (A): 0.191
Background Pk Area (A-s): 0.277 Background Pk Height (A): 0.212
Blank Corrected Pk Area (A-s): 0.118
Concentration (ug/L): 43.8 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 14
Replicate 2 (Peak Stored) Time: 10:47
Peak Area (A-s): 0.119 Peak Height (A): 0.179
Background Pk Area (A-s): 0.277 Background Pk Height (A): 0.214
Blank Corrected Pk Area (A-s): 0.119
Concentration (ug/L): 44.1 Corrected Conc (mg/kg): -----

SL-04/A



Mean Conc (ug/L): 43.9
Corrected Conc (mg/kg): -----

SD: 0.20

RSD(%): 0.45

Recovery is 114.1%

As ID: SL 6/7 Seq. No.: 00010 A/S Pos.: 15 Date: 09/02/94

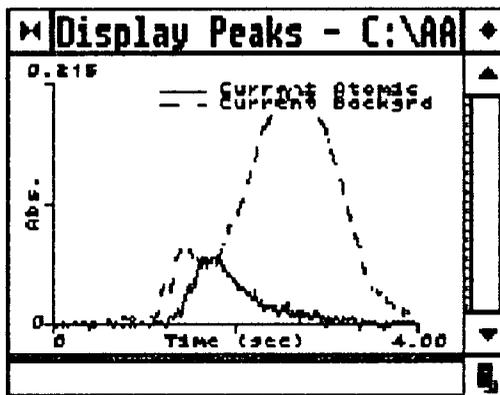
uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 1 Time: 10:50
Peak Area (A-s): 0.047 Peak Height (A): 0.060
Background Pk Area (A-s): 0.297 Background Pk Height (A): 0.219
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 17.3 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 2 (Peak Stored) Time: 10:53
Peak Area (A-s): 0.047 Peak Height (A): 0.060

0202

background PK Area (A-s): 0.290
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 17.5

background PK Height (A): 0.215
Corrected Conc (mg/kg): -----



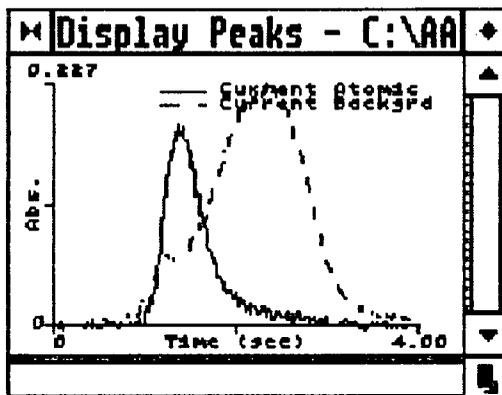
Mean Conc (ug/L): 17.4 SD: 0.16 RSD(%): 0.90
Corrected Conc (mg/kg): -----

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



Mean Conc (ug/L): 40.1
Corrected Conc (mg/kg): -----

SD: 0.96

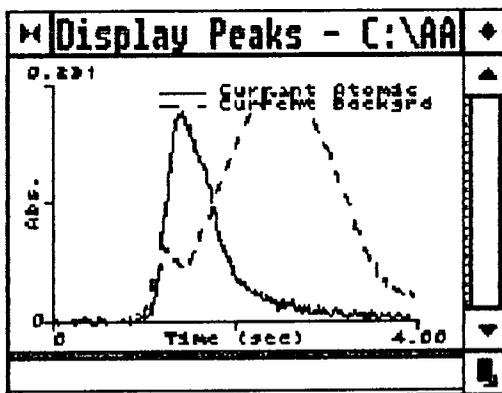
RSD(%): 2.40

Recovery is 113.6%

As ID: SL-08 Seq. No.: 00012 A/S Pos.: 16 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 1 Time: 11:02
Peak Area (A-s): 0.143 Peak Height (A): 0.200
Background Pk Area (A-s): 0.360 Background Pk Height (A): 0.227
Blank Corrected Pk Area (A-s): 0.143
Concentration (ug/L): 53.2 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 11:04
Peak Area (A-s): 0.142 Peak Height (A): 0.207
Background Pk Area (A-s): 0.370 Background Pk Height (A): 0.231
Blank Corrected Pk Area (A-s): 0.143
Concentration (ug/L): 53.0 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): 53.1
Corrected Conc (mg/kg): -----

SD: 0.12

RSD(%): 0.23

As ID: SL-08 Seq. No.: 00013 A/S Pos.: 17 Date: 09/02/94

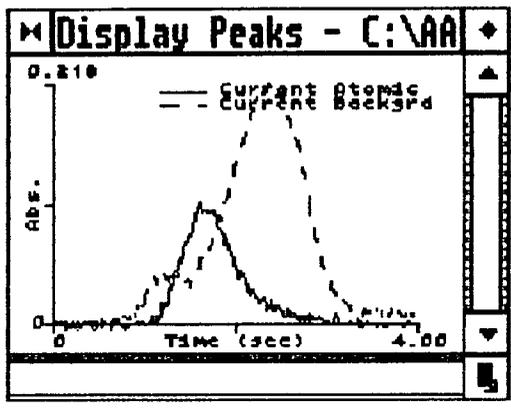
uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 1 Time: 11:07
Peak Area (A-s): 0.080 Peak Height (A): 0.109
Background Pk Area (A-s): 0.245 Background Pk Height (A): 0.215
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 29.5 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 2 (Peak Stored) Time: 11:10
Peak Area (A-s): 0.080 Peak Height (A): 0.112
Background Pk Area (A-s): 0.248 Background Pk Height (A): 0.218
Blank Corrected Pk Area (A-s): 0.080

0204

2x dilution

59.0



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

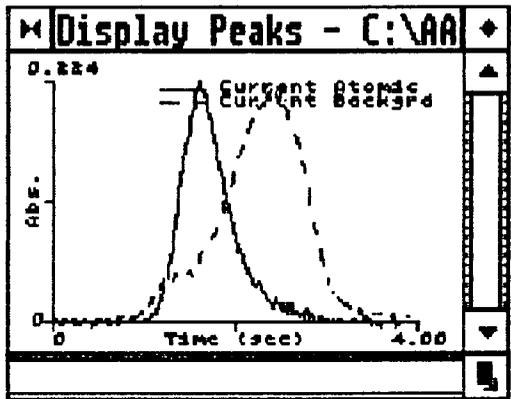
~~~~~  
 As    ID: SL-08                      Seq. No.: 00014      A/S Pos.: 17      Date: 09/02/94

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-08L A



Mean Conc (ug/L ): 52.2 SD: 0.08 RSD(%): 0.15

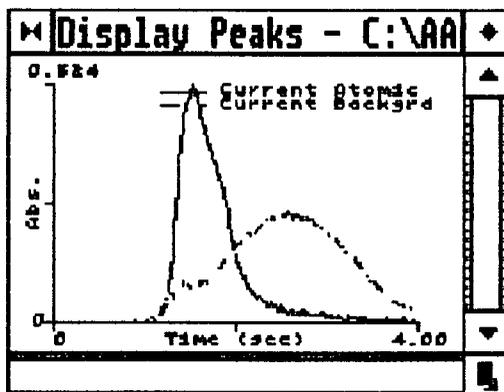
Corrected Conc (mg/kg ): -----

Recovery is 113.5%

As ID: SL-08 MS Seq. No.: 00015 A/S Pos.: 18 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 11:19
Peak Area (A-s): 0.317 Peak Height (A): 0.528
Background Pk Area (A-s): 0.408 Background Pk Height (A): 0.252
Blank Corrected Pk Area (A-s): 0.317
Concentration (ug/L ): 118.1 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Sample abs. is greater than that of the largest standard.
Replicate 2 (Peak Stored) Time: 11:22
Peak Area (A-s): 0.319 Peak Height (A): 0.524
Background Pk Area (A-s): 0.405 Background Pk Height (A): 0.245
Blank Corrected Pk Area (A-s): 0.320
Concentration (ug/L ): 119.0 Corrected Conc (mg/kg ): -----



Sample abs. is greater than that of the largest standard.
Mean Conc (ug/L ): 118.5 SD: 0.60 RSD(%): 0.50
Corrected Conc (mg/kg ): -----

As ID: SL-08 MS Seq. No.: 00016 A/S Pos.: 19 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 19
Replicate 1 Time: 11:25
Peak Area (A-s): 0.056 Peak Height (A): 0.097
Background Pk Area (A-s): 0.122 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L ): 20.5 Corrected Conc (mg/kg ): -----

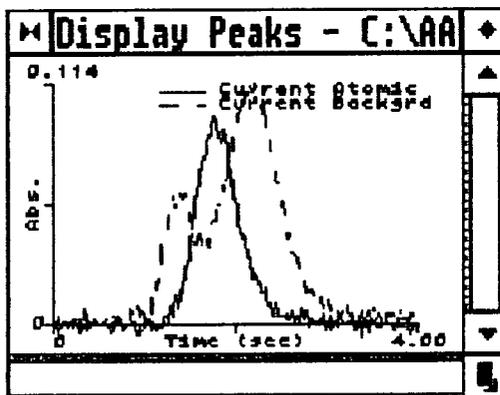
0206

uL dispensed: 4 from 2, 5 from 1, 20 from 19
Replicate 2 (Peak Stored) Time: 11:28

Peak Area (A-s): 0.050  
Background Pk Area (A-s): 0.117  
Blank Corrected Pk Area (A-s): 0.057  
Concentration (ug/L ): 20.9

Peak Height (A): 0.114  
Background Pk Height (A): 0.114  
Corrected Conc (mg/kg ): -----

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



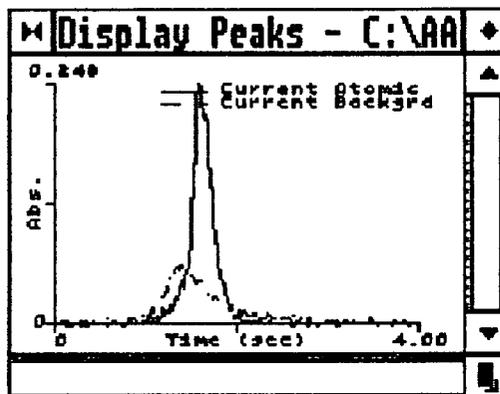
Mean Conc (ug/L ): 20.7 SD: 0.24 RSD(%): 1.14  
Corrected Conc (mg/kg ): -----

90% R

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 ): -----



Mean Conc (ug/L ): 25.9 SD: 0.09 RSD(%): 0.36  
Corrected Conc (mg/kg ): -----

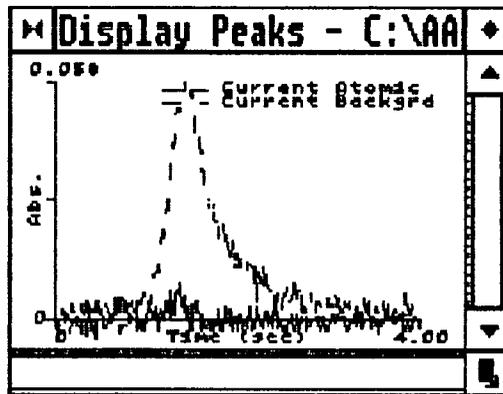
QC sample is within range 22.5 - 27.5

104% R

As ID: CCB Seq. No.: 00018 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 1 Time: 11:36  
Peak Area (A-s): 0.000 Peak Height (A): 0.008  
Background Pk Area (A-s): 0.040 Background Pk Height (A): 0.057  
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 2  
Replicate 2 (Peak Stored) Time: 11:39  
Peak Area (A-s): 0.001 Peak Height (A): 0.009  
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.058  
Blank Corrected Pk Area (A-s): 0.001  
Concentration (ug/L ): 0.1 Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 0.0 SD: 0.05 RSD(%): 112.72  
Corrected Conc (mg/kg ): -----

QC sample is within range -10.0 - 10.0

As ID: SL-08 MSD Seq. No.: 00019 A/S Pos.: 20 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 20  
Sample abs. is greater than that of the largest standard.  
Replicate 1 Time: 11:42  
Peak Area (A-s): 0.162 Peak Height (A): 0.268  
Background Pk Area (A-s): 0.415 Background Pk Height (A): 0.261  
Blank Corrected Pk Area (A-s): 0.162  
Concentration (ug/L ): 60.3 Corrected Conc (mg/kg ): -----

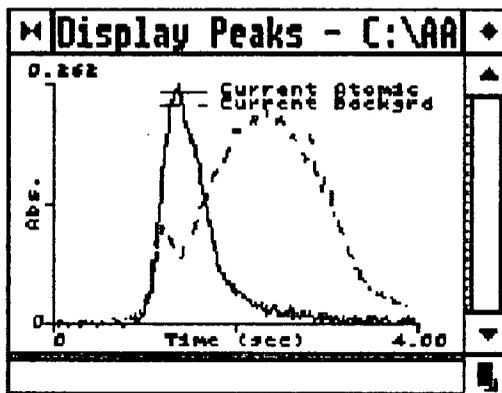
0208

uL dispensed: 4 from 2, 5 from 1, 20 from 20  
Sample abs. is greater than that of the largest standard

Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.160  
Background Pk Area (A-s): 0.388  
Blank Corrected Pk Area (A-s): 0.160  
Concentration (ug/L ): 59.4

Time: 11:45  
Peak Height (A): 0.262  
Background Pk Height (A): 0.239  
Corrected Conc (mg/kg ): -----

IX



Sample abs. is greater than that of the largest standard.

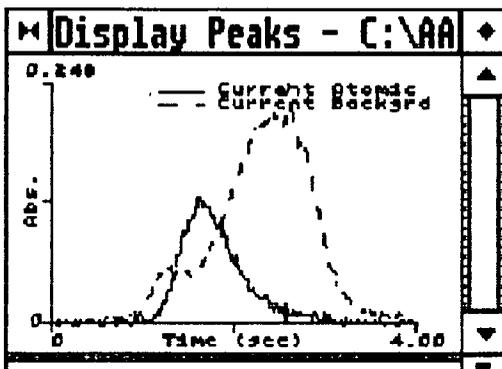
Mean Conc (ug/L ): 59.8 SD: 0.65 RSD(%): 1.09  
Corrected Conc (mg/kg ): -----

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 ): -----

IX  
222222



0209

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

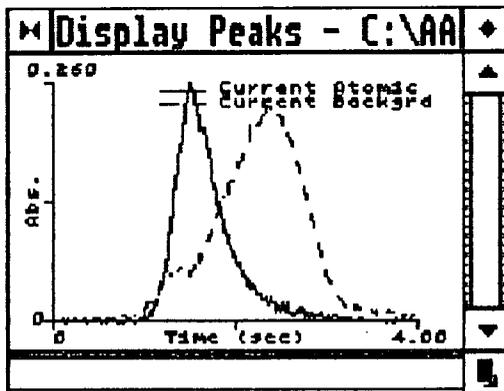
As ID: SL-08 MSD Seq. No.: 00021 A/S Pos.: 21 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 7, 20 from 21  
Sample abs. is greater than that of the largest standard.  
Replicate 1 Time: 11:54  
Peak Area (A-s): 0.152 Peak Height (A): 0.251  
Background Pk Area (A-s): 0.274 Background Pk Height (A): 0.235  
Blank Corrected Pk Area (A-s): 0.153  
Concentration (ug/L ): 56.7 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 21  
Sample abs. is greater than that of the largest standard.  
Replicate 2 (Peak Stored) Time: 11:57  
Peak Area (A-s): 0.154 Peak Height (A): 0.260  
Background Pk Area (A-s): 0.271 Background Pk Height (A): 0.235  
Blank Corrected Pk Area (A-s): 0.154  
Concentration (ug/L ): 57.2 Corrected Conc (mg/kg ): -----

*post spike  
of 2x*

*SL-08MSD A  
222222*



Sample abs. is greater than that of the largest standard.  
Mean Conc (ug/L ): 56.9 SD: 0.37 RSD(%): 0.66  
Corrected Conc (mg/kg ): -----

Recovery is 111.5%

As ID: SL-08 MSD Seq. No.: 00022 A/S Pos.: 22 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 22  
Replicate 1 Time: 12:03  
Peak Area (A-s): 0.031 Peak Height (A): 0.066  
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.133  
Blank Corrected Pk Area (A-s): 0.031  
Concentration (ug/L ): 11.4 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 22  
Replicate 2 (Peak Stored) Time: 12:06  
Peak Area (A-s): 0.030 Peak Height (A): 0.076

0210

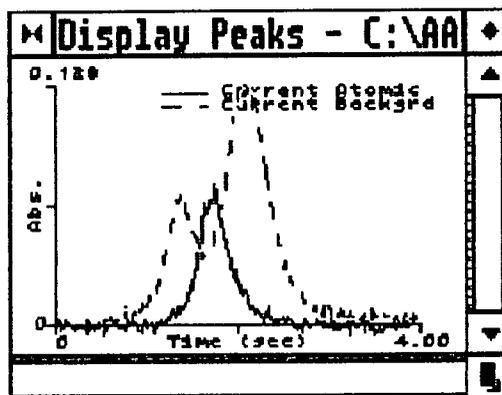
Background Pk Area (A-s): 0.116  
Blank Corrected Pk Area (A-s): 0.031  
Concentration (ug/L ): 11.2

Background Pk Height (A): 0.128  
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 ): -----

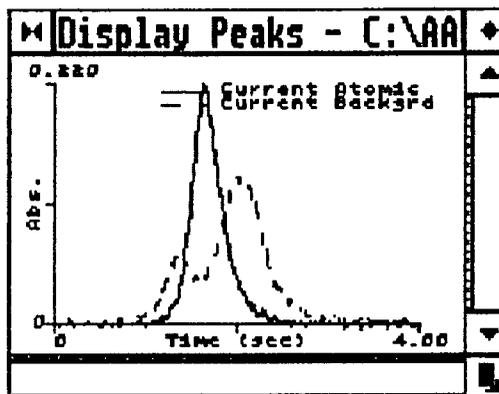
As ID: SL-08 MSD Seq. No.: 00023 A/S Pos.: 22 Date: 09/02/94

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



Mean Conc (ug/L ): 33.8  
Corrected Conc (mg/kg ): -----

SD: 0.59

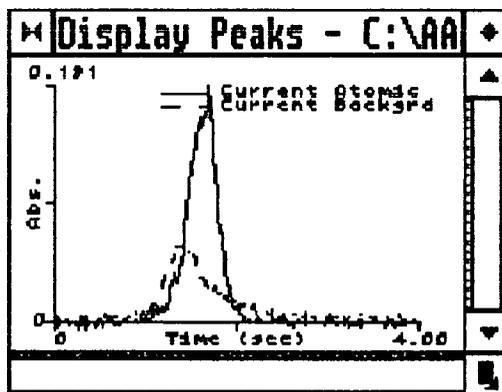
RSD(%): 1.76

Recovery is 112.4%

As ID: CCV Seq. No.: 00024 A/S Pos.: 4 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 1 Time: 12:15  
Peak Area (A-s): 0.070 Peak Height (A): 0.231  
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.064  
Blank Corrected Pk Area (A-s): 0.070  
Concentration (ug/L ): 26.0 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 2 (Peak Stored) Time: 12:18  
Peak Area (A-s): 0.070 Peak Height (A): 0.191  
Background Pk Area (A-s): 0.048 Background Pk Height (A): 0.063  
Blank Corrected Pk Area (A-s): 0.070  
Concentration (ug/L ): 26.0 Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 26.0  
Corrected Conc (mg/kg ): -----

SD: 0.00

RSD(%): 0.01

QC sample is within range 22.5 - 27.5

104/R

As ID: CCB Seq. No.: 00025 A/S Pos.: 2 Date: 09/02/94

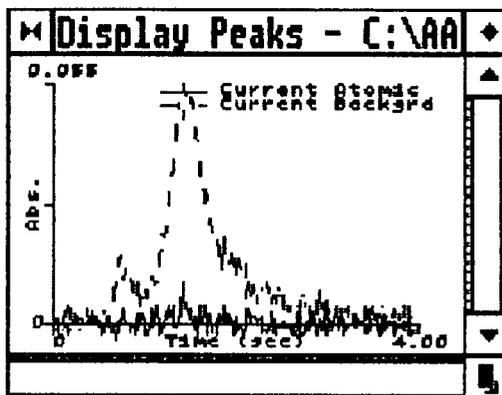
uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 1 Time: 12:21  
Peak Area (A-s): 0.001 Peak Height (A): 0.007  
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.064  
Blank Corrected Pk Area (A-s): 0.001  
Concentration (ug/L ): 0.2 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 2 (Peak Stored) Time: 12:23  
Peak Area (A-s): 0.002 Peak Height (A): 0.010

0212

Background PK Area (A-s): 0.041  
Blank Corrected PK Area (A-s): 0.002  
Concentration (ug/L ): 0.5

Background PK Height (A): 0.055  
Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 0.3  
Corrected Conc (mg/kg ): -----

SD: 0.21

RSD(%): 59.27

QC sample is within range -10.0 - 10.0

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

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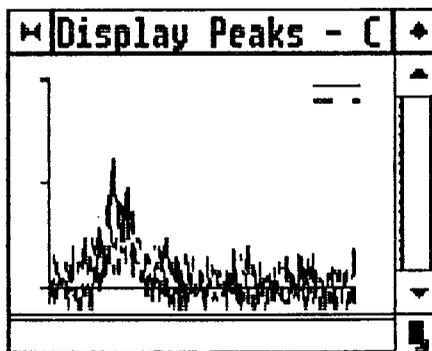
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 10:33
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -1.4

```

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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

```



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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

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0214

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

Background Pk Height (A): 0.008

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

Replicate 2 (Peak Stored)

Peak Area (A-s): 0.011

Background Pk Area (A-s): 0.003

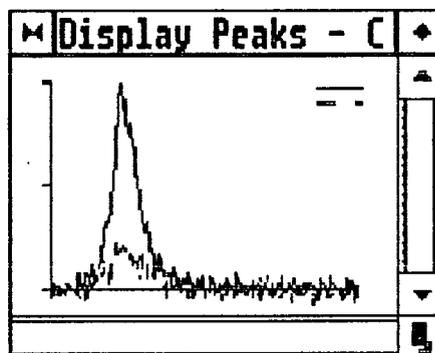
Blank Corrected Pk Area (A-s): 0.009

Concentration (ug/L ): 2.5

Time: 10:42

Peak Height (A): 0.027

Background Pk Height (A): 0.006



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

~~~~~  
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)

Peak Area (A-s): 0.069

Background Pk Area (A-s): 0.014

Blank Corrected Pk Area (A-s): 0.067

Concentration (ug/L): 22.6

Time: 10:44

Peak Height (A): 0.132

Background Pk Height (A): 0.027

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

Replicate 2 (Peak Stored)

Peak Area (A-s): 0.068

Background Pk Area (A-s): 0.014

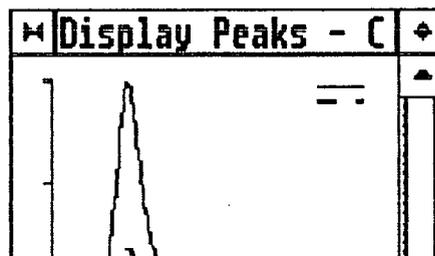
Blank Corrected Pk Area (A-s): 0.066

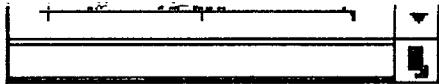
Concentration (ug/L): 22.5

Time: 10:47

Peak Height (A): 0.168

Background Pk Height (A): 0.035



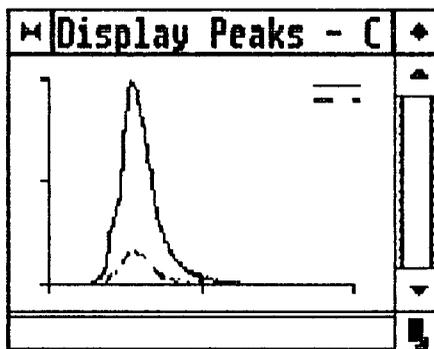


Mean Conc (ug/L): 22.5 SD: 0.11 RSD(%): 0.49
 Standard number 2 applied. [25.0]
 Correlation coefficient: 0.99992 Slope: 0.0026 Int: 0.000

~~~~~  
 Pb ID: 50 PPB STD Seq. No.: 00004 A/S Pos.: 5 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5  
 Replicate 1 (Peak Stored) Time: 10:50  
 Peak Area (A-s): 0.132 Peak Height (A): 0.268  
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.046  
 Blank Corrected Pk Area (A-s): 0.130  
 Concentration (ug/L ): 48.9

uL dispensed: 4 from 2, 5 from 1, 20 from 5  
 Replicate 2 (Peak Stored) Time: 10:53  
 Peak Area (A-s): 0.133 Peak Height (A): 0.259  
 Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.049  
 Blank Corrected Pk Area (A-s): 0.131  
 Concentration (ug/L ): 49.3



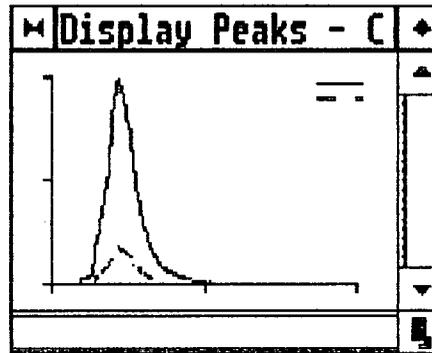
Mean Conc (ug/L ): 49.1 SD: 0.30 RSD(%): 0.62  
 Standard number 3 applied. [50.0]  
 Correlation coefficient: 0.99993 Slope: 0.0026 Int: 0.001

~~~~~  
 Pb ID: 100 PPB STD Seq. No.: 00005 A/S Pos.: 6 Date: 09/07/94

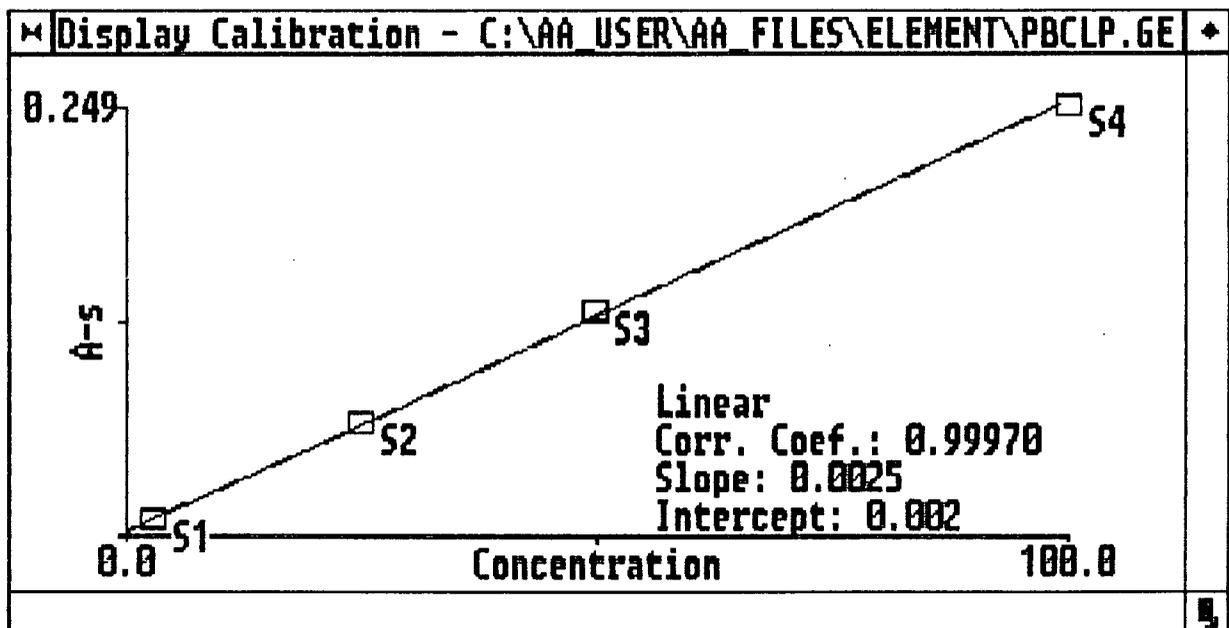
uL dispensed: 4 from 2, 5 from 1, 20 from 6
 Replicate 1 (Peak Stored) Time: 10:55
 Peak Area (A-s): 0.250 Peak Height (A): 0.509
 Background Pk Area (A-s): 0.046 Background Pk Height (A): 0.094
 Blank Corrected Pk Area (A-s): 0.248
 Concentration (ug/L): 95.2

Replicate 2 (Peak Stored)
Peak Area (A-s): 0.253
Background Pk Area (A-s): 0.046
Blank Corrected Pk Area (A-s): 0.251
Concentration (ug/L): 96.2

Time: 10:58
Peak Height (A): 0.545
Background Pk Height (A): 0.099



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



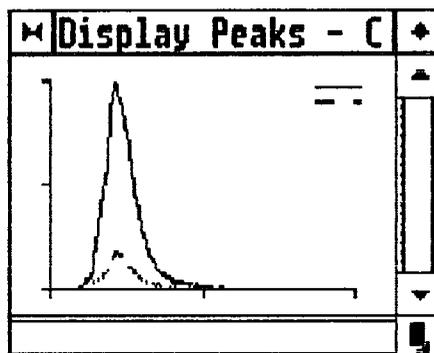
0217

Replicate 1 (Peak Stored)
Peak Area (A-s): 0.105
Background PK Area (A-s): 0.019
Blank Corrected PK Area (A-s): 0.103
Concentration (ug/L): 40.5

Time: 11:05
Peak Height (A): 0.221
Background PK Height (A): 0.041
Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored)
Peak Area (A-s): 0.105
Background PK Area (A-s): 0.020
Blank Corrected PK Area (A-s): 0.103
Concentration (ug/L): 40.4

Time: 11:07
Peak Height (A): 0.226
Background PK Height (A): 0.040
Corrected Conc (mg/kg): -----



Yo = 410

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%

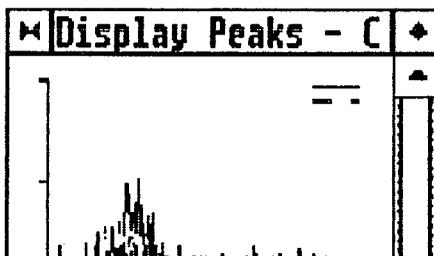
Pb ID: ICB Seq. No.: 00007 A/S Pos.: 2 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored)
Peak Area (A-s): 0.002
Background PK Area (A-s): 0.002
Blank Corrected PK Area (A-s): -0.000
Concentration (ug/L): -0.9

Time: 11:10
Peak Height (A): 0.008
Background PK Height (A): 0.005
Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored)
Peak Area (A-s): 0.001
Background PK Area (A-s): 0.001
Blank Corrected PK Area (A-s): -0.001
Concentration (ug/L): -1.2

Time: 11:13
Peak Height (A): 0.005
Background PK Height (A): 0.003
Corrected Conc (mg/kg): -----

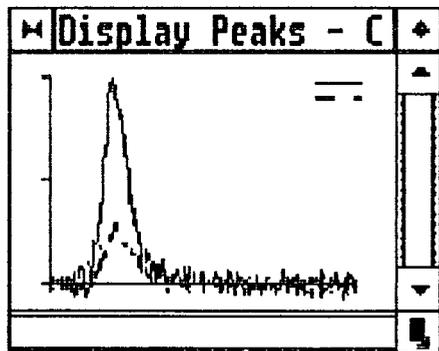


Mean Conc (ug/L): -1.0 SD: 0.18 RSD(%): 17.43
Corrected Conc (mg/kg): -----
QC sample is within range -3.0 - 3.0

Pb ID: CRA Seq. No.: 00008 A/S Pos.: 3 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 11:16
Peak Area (A-s): 0.011 Peak Height (A): 0.024
Background PK Area (A-s): 0.003 Background PK Height (A): 0.006
Blank Corrected PK Area (A-s): 0.009
Concentration (ug/L): 2.6 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 11:19
Peak Area (A-s): 0.011 Peak Height (A): 0.027
Background PK Area (A-s): 0.003 Background PK Height (A): 0.008
Blank Corrected PK Area (A-s): 0.009
Concentration (ug/L): 2.6 Corrected Conc (mg/kg): -----



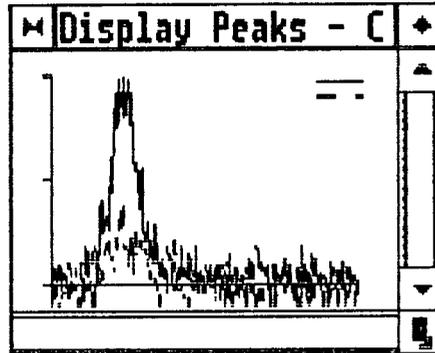
Mean Conc (ug/L): 2.6 SD: 0.02 RSD(%): 0.77
Corrected Conc (mg/kg): -----
QC sample is within range 1 - 10 *4.0 V. = 3*

Pb ID: PBLK-SOIL Seq. No.: 00009 A/S Pos.: 10 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 (Peak Stored) Time: 11:21
Peak Area (A-s): 0.005 Peak Height (A): 0.014
Background PK Area (A-s): 0.002 Background PK Height (A): 0.005
Blank Corrected PK Area (A-s): 0.003
Concentration (ug/L): 0.1 Corrected Conc (mg/kg): -----

Replicate 2 (Peak Stored)
Peak Area (A-s): 0.005
Background Pk Area (A-s): 0.002
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.2

Time: 11:24
Peak Height (A): 0.012
Background Pk Height (A): 0.005
Corrected Conc (mg/kg): -----



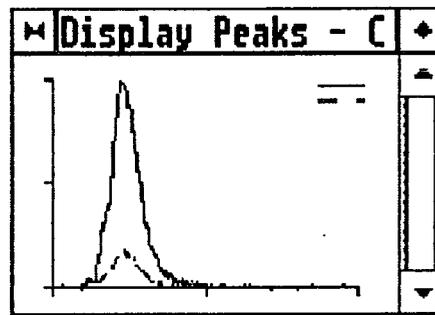
Mean Conc (ug/L): 0.2 SD: 0.07 RSD(%): 38.24
Corrected Conc (mg/kg): -----

~~~~~  
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



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

Recovery is ~~110.2%~~

111%

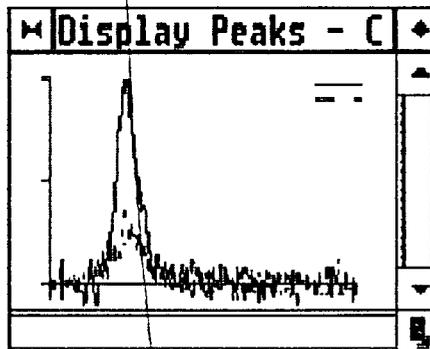
Pb ID: PBLK-H20 Seq. No.: 00011 A/S Pos.: 11 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 11

Replicate 1 (Peak Stored) Time: 11:33  
Peak Area (A-s): 0.007 Peak Height (A): 0.015  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): 0.005  
Concentration (ug/L ): 1.0 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 11  
Replicate 2 (Peak Stored) Time: 11:35  
Peak Area (A-s): 0.006 Peak Height (A): 0.019  
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.007  
Blank Corrected Pk Area (A-s): 0.004  
Concentration (ug/L ): 0.8 Corrected Conc (mg/kg ): -----

*22222*



Mean Conc (ug/L ): 0.9 SD: 0.18 RSD(%): 19.96  
Corrected Conc (mg/kg ): -----

Pb ID: PBLK-H20 Seq. No.: 00012 A/S Pos.: 11 Date: 09/07/94

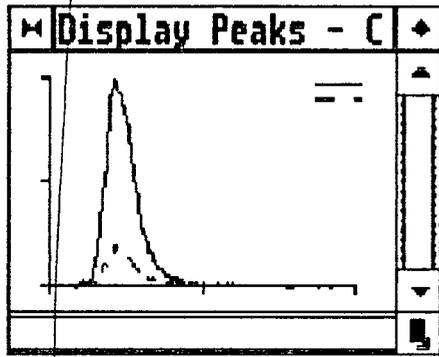
uL dispensed: 5 from 1, 4 from 6, 20 from 11

Replicate 1 (Peak Stored) Time: 11:38  
Peak Area (A-s): 0.064 Peak Height (A): 0.156  
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.029  
Blank Corrected Pk Area (A-s): 0.062  
Concentration (ug/L ): 23.9 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 11  
Replicate 2 (Peak Stored) Time: 11:41  
Peak Area (A-s): 0.065 Peak Height (A): 0.143  
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.027  
Blank Corrected Pk Area (A-s): 0.062  
Concentration (ug/L ): 24.2 Corrected Conc (mg/kg ): -----

0221

22222



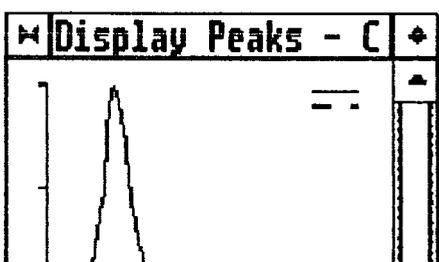
Mean Conc (ug/L ): 24.0 SD: 0.22 RSD(%): 0.92  
 Corrected Conc (mg/kg ): -----

Recovery is 115.6% (outside of specified limits)

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 ): -----



4V = 40

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

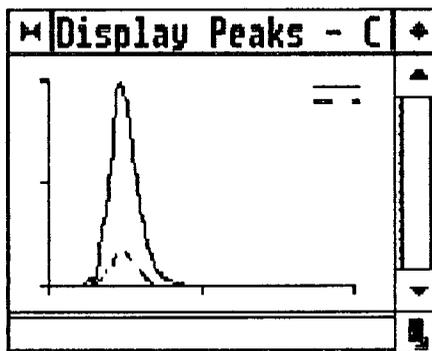
102%

Pb ID: LCS Seq. No.: 00014 A/S Pos.: 12 Date: 09/07/94

uL dispensed: 5 from 1, 4 from 6, 20 from 12

Replicate 1 (Peak Stored) Time: 11:50  
Peak Area (A-s): 0.162 Peak Height (A): 0.379  
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.069  
Blank Corrected Pk Area (A-s): 0.159  
Concentration (ug/L ): 63.1 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 12  
Replicate 2 (Peak Stored) Time: 11:53  
Peak Area (A-s): 0.160 Peak Height (A): 0.379  
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.071  
Blank Corrected Pk Area (A-s): 0.157  
Concentration (ug/L ): 62.3 Corrected Conc (mg/kg ): -----



4V = 60

Mean Conc (ug/L ): 62.7 SD: 0.55 RSD(%): 0.88  
Corrected Conc (mg/kg ): -----

110%

Recovery is 109.5%

Pb ID: FIELD BLK Seq. No.: 00015 A/S Pos.: 13 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13  
Replicate 1 (Peak Stored) Time: 11:55  
Peak Area (A-s): 0.015 Peak Height (A): 0.039  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.010  
Blank Corrected Pk Area (A-s): 0.012  
Concentration (ug/L ): 4.1 Corrected Conc (mg/kg ): -----

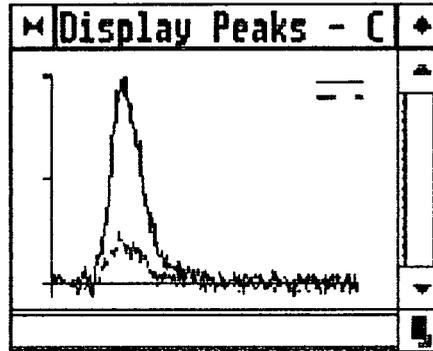
uL dispensed: 4 from 2, 5 from 1, 20 from 13  
Replicate 2 (Peak Stored) Time: 11:58  
Peak Area (A-s): 0.015 Peak Height (A): 0.030  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007

0223

Concentration (ug/L ): 4.1

Corrected Conc (mg/kg ): -----

*2222*

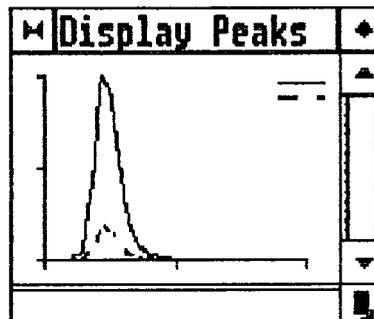


Mean Conc (ug/L ): 4.1 SD: 0.00 RSD(%): 0.04  
 Corrected Conc (mg/kg ): -----

~~~~~  
 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): -----



+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

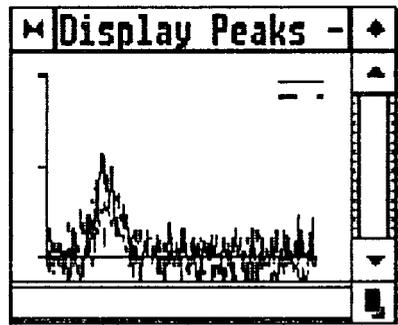
98%

Pb ID: CCB Seq. No.: 00017 A/S Pos.: 2 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 12:07

Peak Area (A-s): 0.001 Peak Height (A): 0.005
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.2 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:10
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -1.0 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): -1.1 SD: 0.09 RSD(%): 8.23
Corrected Conc (mg/kg): -----

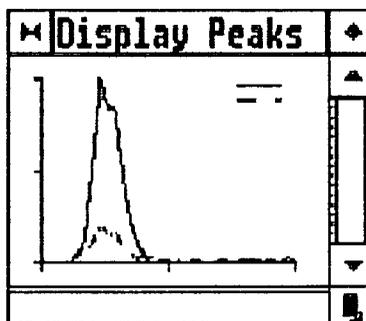
QC sample is within range -3.0 - 3.0

Pb ID: SL 6/7 Seq. No.: 00018 A/S Pos.: 14 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 1 (Peak Stored) Time: 12:13
Peak Area (A-s): 0.089 Peak Height (A): 0.161
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 34.0 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 2 (Peak Stored) Time: 12:16
Peak Area (A-s): 0.090 Peak Height (A): 0.171
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.087
Concentration (ug/L): 34.2 Corrected Conc (mg/kg): -----

0225



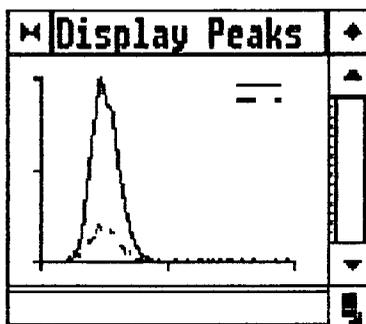
Mean Conc (ug/L): 34.1 SD: 0.15 RSD(%): 0.43
 Corrected Conc (mg/kg): -----

~~~~~  
 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 6/7 A



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

Recovery is 95.8%

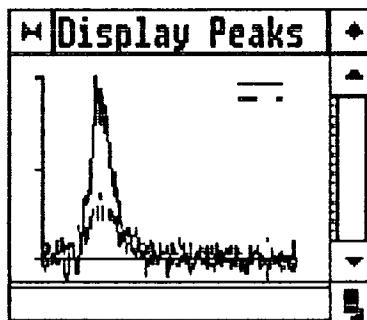
96%

Pb ID: PREP BLK H2O Seq. No.: 00020 A/S Pos.: 15 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 15  
Replicate 1 (Peak Stored) Time: 12:24  
Peak Area (A-s): 0.006 Peak Height (A): 0.018

Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.008  
Blank Corrected Pk Area (A-s): 0.004  
Concentration (ug/L ): 0.8 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 15  
Replicate 2 (Peak Stored) Time: 12:27  
Peak Area (A-s): 0.006 Peak Height (A): 0.016  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): 0.004  
Concentration (ug/L ): 0.6 Corrected Conc (mg/kg ): -----

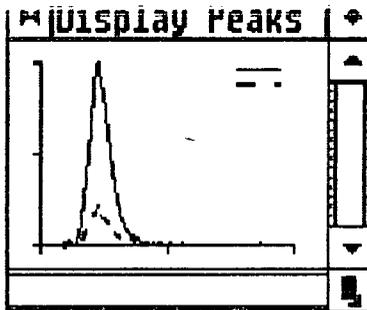


Mean Conc (ug/L ): 0.7 SD: 0.15 RSD(%): 20.52  
Corrected Conc (mg/kg ): -----

Pb ID: PREP BLK H2O Seq. No.: 00021 A/S Pos.: 15 Date: 09/07/94

uL dispensed: 5 from 1, 4 from 6, 20 from 15  
Replicate 1 (Peak Stored) Time: 12:30  
Peak Area (A-s): 0.059 Peak Height (A): 0.132  
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.026  
Blank Corrected Pk Area (A-s): 0.057  
Concentration (ug/L ): 22.1 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 15  
Replicate 2 (Peak Stored) Time: 12:33  
Peak Area (A-s): 0.060 Peak Height (A): 0.147  
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.031  
Blank Corrected Pk Area (A-s): 0.057  
Concentration (ug/L ): 22.1 Corrected Conc (mg/kg ): -----

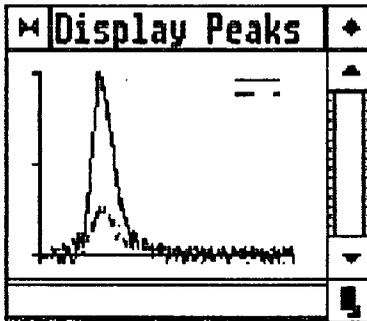


Mean Conc (ug/L ): 22.1 SD: 0.02 RSD(%): 0.09  
 Corrected Conc (mg/kg ): -----  
 Recovery is 107.0% *107%* *(IDL = 1/0.4)*

Pb ID: FIELD BLK Seq. No.: 00022 A/S Pos.: 16 Date: 09/07/94

uL dispensed: 4 from 2, 5 from 1, 20 from 16  
 Replicate 1 (Peak Stored) Time: 12:36  
 Peak Area (A-s): 0.014 Peak Height (A): 0.032  
 Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.011  
 Blank Corrected Pk Area (A-s): 0.012  
 Concentration (ug/L ): 3.9 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 16  
 Replicate 2 (Peak Stored) Time: 12:39  
 Peak Area (A-s): 0.014 Peak Height (A): 0.033  
 Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.010  
 Blank Corrected Pk Area (A-s): 0.012  
 Concentration (ug/L ): 4.0 Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 3.9 SD: 0.16 RSD(%): 4.03  
 Corrected Conc (mg/kg ): -----

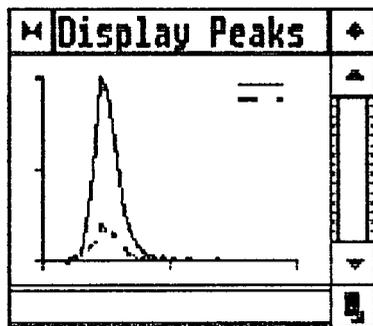
Pb ID: FIELD BLK Seq. No.: 00023 A/S Pos.: 16 Date: 09/07/94

uL dispensed: 5 from 1, 4 from 6, 20 from 16  
 Replicate 1 (Peak Stored) Time: 12:42  
 Peak Area (A-s): 0.065 Peak Height (A): 0.171  
 Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.034  
 Blank Corrected Pk Area (A-s): 0.063

0228

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 ): -----

*Field BK A*



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

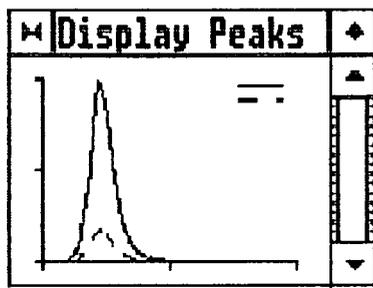
Recovery is 104.9%

*105%*

~~~~~  
 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

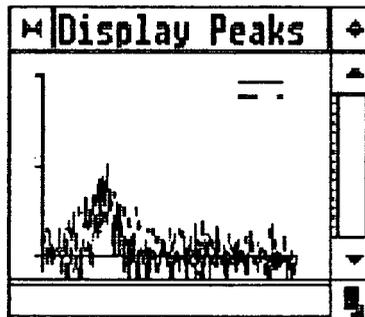
104%

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

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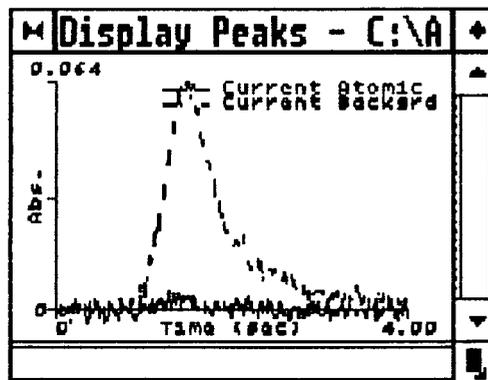
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored)      Time: 12:57
Peak Area (A-s): 0.002        Peak Height (A): 0.007
Background Pk Area (A-s): 0.054  Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.002

```

```

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.

```

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

```

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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

```

0231

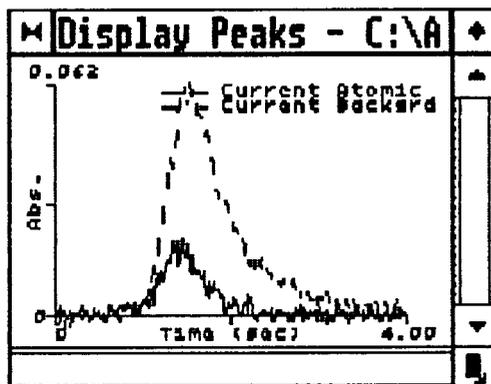
```

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

```

replicate 2 (Peak Stored)
Peak Area (A-s): 0.013
Background Pk Area (A-s): 0.054
Blank Corrected Pk Area (A-s): 0.011

Time: 13:04
Peak Height (A): 0.021
Background Pk Height (A): 0.063



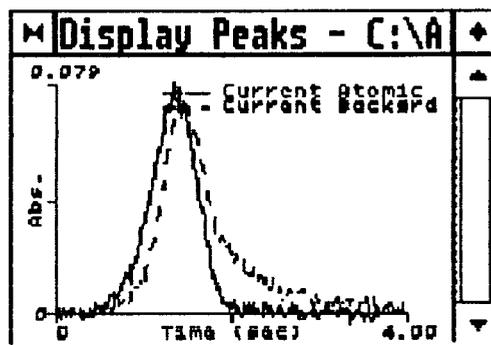
Mean Pk Area (A-s): 0.011 SD: 0.0010 RSD(%): 8.99

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

~~~~~  
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



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

~~~~~  
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

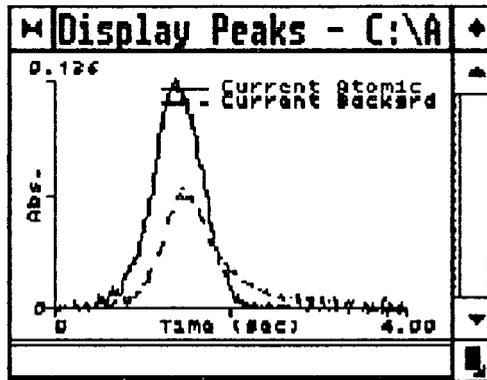
Peak Height (A): 0.136

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

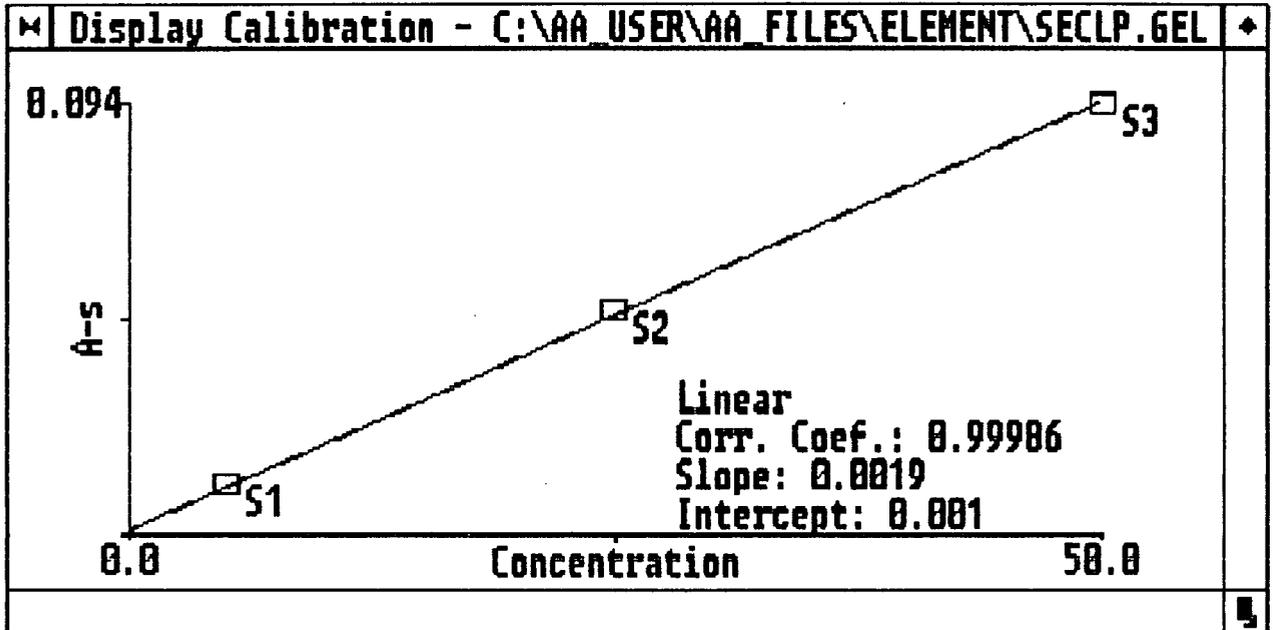
RSD(%): 4.03

Standard number 3 applied. [50.0]

Correlation coefficient: 0.99986

Slope: 0.0019

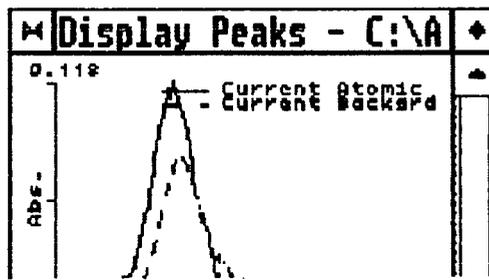
Int: 0.001



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): -----



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

IV = 40

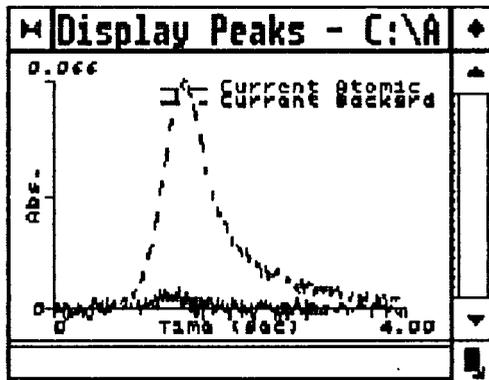
94%

QC sample is within range 36.0 - 44.0

Se ID: ICB Seq. No.: 00006 A/S Pos.: 2 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
 Replicate 1 (Peak Stored) Time: 13:33
 Peak Area (A-s): 0.002 Peak Height (A): 0.008
 Background Pk Area (A-s): 0.052 Background Pk Height (A): 0.056
 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 2
 Replicate 2 (Peak Stored) Time: 13:36
 Peak Area (A-s): 0.002 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.066
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): -0.2 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): -0.1 SD: 0.12 RSD(%): 149.11
 Corrected Conc (mg/kg): -----

QC sample is within range -5.0 - 5.0

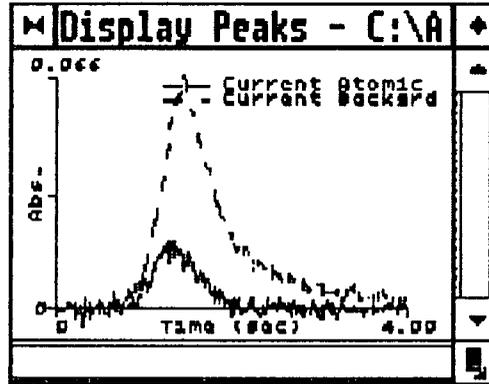
Se ID: CRA Seq. No.: 00007 A/S Pos.: 3 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
 Replicate 1 (Peak Stored) Time: 13:38
 Peak Area (A-s): 0.012 Peak Height (A): 0.020
 Background Pk Area (A-s): 0.049 Background Pk Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.010
 Concentration (ug/L): 4.9 Corrected Conc (mg/kg): -----

0235

replicate 2 (Peak Stored)
Peak Area (A-s): 0.012
Background Pk Area (A-s): 0.056
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 4.8

Time: 13:40
Peak Height (A): 0.020
Background Pk Height (A): 0.066
Corrected Conc (mg/kg): -----



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

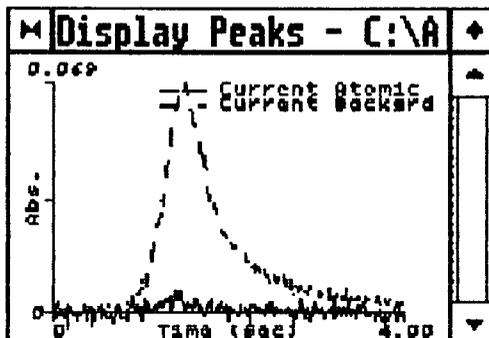
QC sample is within range 1.0 - 10.0

TV = 5.0

~~~~~  
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 ): -----



Mean Conc (ug/L ): 0.2  
Corrected Conc (mg/kg ): -----

SD: 0.25

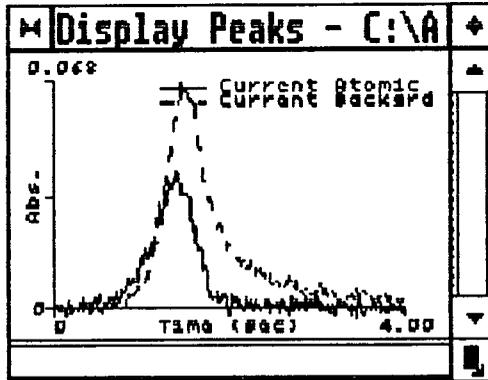
RSD(%): 134.27

Se ID: PBLK-SOIL Seq. No.: 00009 A/S Pos.: 10 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 10  
Replicate 1 (Peak Stored) Time: 13:48  
Peak Area (A-s): 0.024 Peak Height (A): 0.038  
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.069  
Blank Corrected Pk Area (A-s): 0.022  
Concentration (ug/L ): 11.3 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 10  
Replicate 2 (Peak Stored) Time: 13:50  
Peak Area (A-s): 0.024 Peak Height (A): 0.041  
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.068  
Blank Corrected Pk Area (A-s): 0.022  
Concentration (ug/L ): 11.5 Corrected Conc (mg/kg ): -----

PBS A



Mean Conc (ug/L ): 11.4  
Corrected Conc (mg/kg ): -----

SD: 0.17

RSD(%): 1.50

Recovery is 112.0% 114%

Se ID: PBLK-H2O Seq. No.: 00010 A/S Pos.: 11 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 11  
Replicate 1 (Peak Stored) Time: 13:53  
Peak Area (A-s): 0.003 Peak Height (A): 0.007  
Background Pk Area (A-s): 0.057 Background Pk Height (A): 0.066  
Blank Corrected Pk Area (A-s): 0.001  
Concentration (ug/L ): 0.3 Corrected Conc (mg/kg ): -----

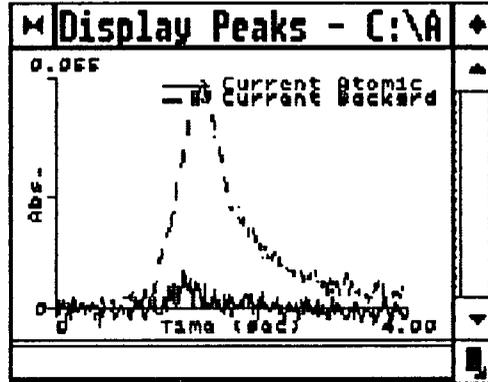
uL dispensed: 4 from 2, 5 from 1, 20 from 11  
Replicate 2 (Peak Stored) Time: 13:55  
Peak Area (A-s): 0.002 Peak Height (A): 0.009

0237

Background PK Area (A-s): 0.000  
Blank Corrected PK Area (A-s): 0.000  
Concentration (ug/L ): -0.2

Background PK Height (A): 0.055  
Corrected Conc (mg/kg ): -----

PBW



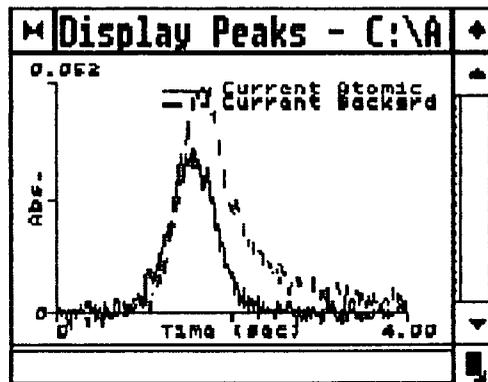
Mean Conc (ug/L ): 0.1 SD: 0.34 RSD(%): 458.43  
Corrected Conc (mg/kg ): -----

~~~~~  
Se ID: PBLK-H20 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



Mean Conc (ug/L): 10.8
Corrected Conc (mg/kg): -----

SD: 0.53

RSD(%): 4.96

Recovery is ~~107.0%~~

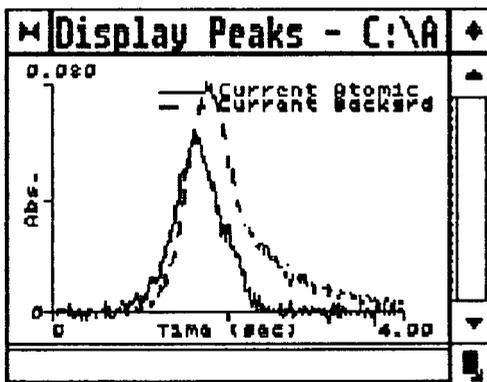
108%

Se ID: LCS Seq. No.: 00012 A/S Pos.: 12 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 1 (Peak Stored) Time: 14:02
Peak Area (A-s): 0.040 Peak Height (A): 0.061
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 20.0 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 12
Replicate 2 (Peak Stored) Time: 14:05
Peak Area (A-s): 0.040 Peak Height (A): 0.062
Background Pk Area (A-s): 0.068 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.038
Concentration (ug/L): 19.9 Corrected Conc (mg/kg): -----

2x dilution
+V=40



Mean Conc (ug/L): 19.9
Corrected Conc (mg/kg): -----

SD: 0.04

RSD(%): 0.22

100%

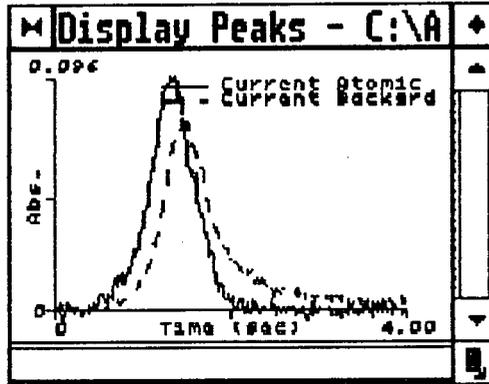
Se ID: LCS Seq. No.: 00013 A/S Pos.: 12 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 12
Replicate 1 (Peak Stored) Time: 14:07
Peak Area (A-s): 0.060 Peak Height (A): 0.101
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 30.6 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 12
Replicate 2 (Peak Stored) Time: 14:10
Peak Area (A-s): 0.061 Peak Height (A): 0.096
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.059

0239

post spike of
2x dilution
+V=30

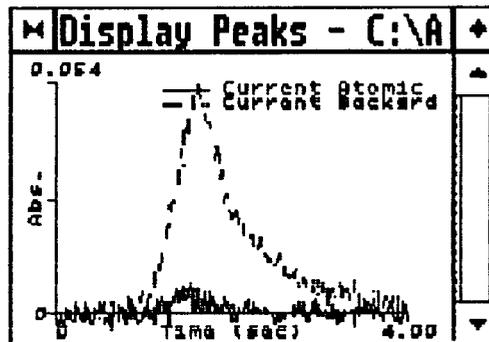


Mean Conc (ug/L): 30.8 SD: 0.34 RSD(%): 1.10
 Corrected Conc (mg/kg): -----
 Recovery is 109.2%

~~~~~  
 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 ): -----



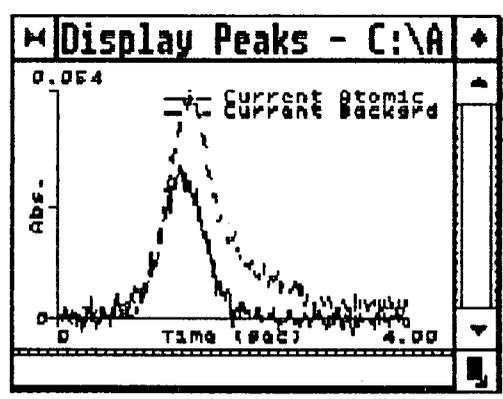
Mean Conc (ug/L ): 0.3 SD: 0.34 RSD(%): 122.77  
Corrected Conc (mg/kg ): -----

~~~~~  
Se ID: FIELD BLK Seq. No.: 00015 A/S Pos.: 13 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 13
Replicate 1 (Peak Stored) Time: 14:17
Peak Area (A-s): 0.022 Peak Height (A): 0.036
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 10.3 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 13
Replicate 2 (Peak Stored) Time: 14:19
Peak Area (A-s): 0.022 Peak Height (A): 0.036
Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 10.5 Corrected Conc (mg/kg): -----

Field BKA



Mean Conc (ug/L): 10.4 SD: 0.12 RSD(%): 1.11
Corrected Conc (mg/kg): -----

Recovery is ~~101.3%~~ *104%*

~~~~~  
Se ID: CCV Seq. No.: 00016 A/S Pos.: 4 Date: 09/02/94

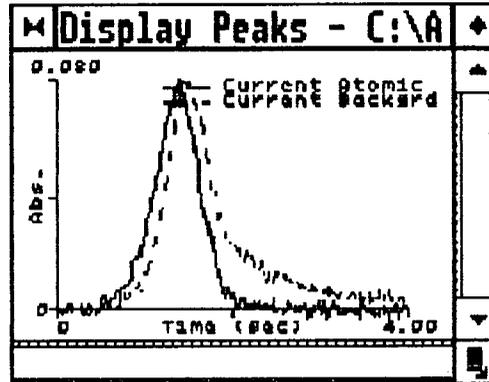
uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 1 (Peak Stored) Time: 14:24  
Peak Area (A-s): 0.049 Peak Height (A): 0.077  
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.080  
Blank Corrected Pk Area (A-s): 0.048  
Concentration (ug/L ): 24.9 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 2 (Peak Stored) Time: 14:26  
Peak Area (A-s): 0.049 Peak Height (A): 0.077

0241

Background PK Area (A-s): 0.068  
Blank Corrected PK Area (A-s): 0.047  
Concentration (ug/L ): 24.8

Background PK Height (A): 0.080  
Corrected Conc (mg/kg ): -----



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

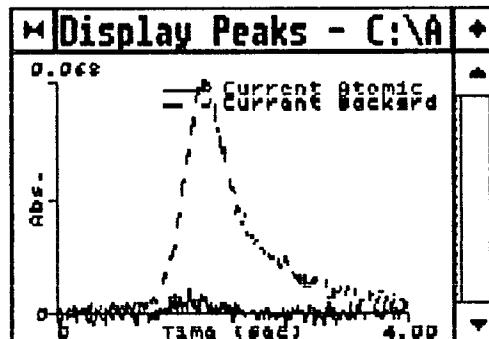
QC sample is within range 22.5 - 27.5

99%

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 ): -----



0242

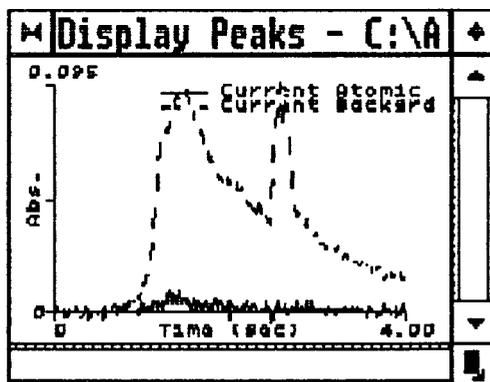
Mean Conc (ug/L ): -0.1 SD: 0.02 RSD(%): 23.48  
Corrected Conc (mg/kg ): -----

QC sample is within range -5.0 - 5.0

Se ID: SL-04 Seq. No.: 00018 A/S Pos.: 14 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 14  
Replicate 1 (Peak Stored) Time: 14:33  
Peak Area (A-s): 0.007 Peak Height (A): 0.011  
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.095  
Blank Corrected Pk Area (A-s): 0.005  
Concentration (ug/L ): 2.4 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 14  
Replicate 2 (Peak Stored) Time: 14:36  
Peak Area (A-s): 0.006 Peak Height (A): 0.010  
Background Pk Area (A-s): 0.139 Background Pk Height (A): 0.095  
Blank Corrected Pk Area (A-s): 0.004  
Concentration (ug/L ): 1.9 Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 2.1 SD: 0.34 RSD(%): 15.84  
Corrected Conc (mg/kg ): -----

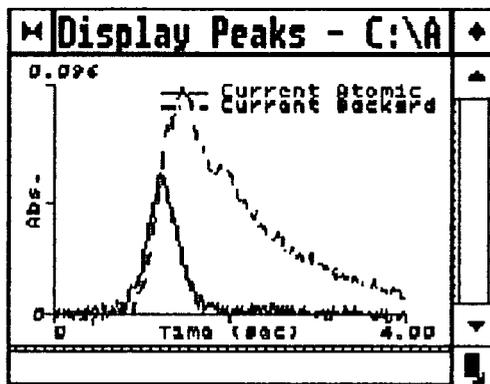
Se ID: SL-04 Seq. No.: 00019 A/S Pos.: 14 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 14  
Replicate 1 (Peak Stored) Time: 14:38  
Peak Area (A-s): 0.028 Peak Height (A): 0.059  
Background Pk Area (A-s): 0.120 Background Pk Height (A): 0.101  
Blank Corrected Pk Area (A-s): 0.026  
Concentration (ug/L ): 13.5 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 14  
Replicate 2 (Peak Stored) Time: 14:40  
Peak Area (A-s): 0.029 Peak Height (A): 0.059  
Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.096  
Blank Corrected Pk Area (A-s): 0.027

0243

SL-04A  
W



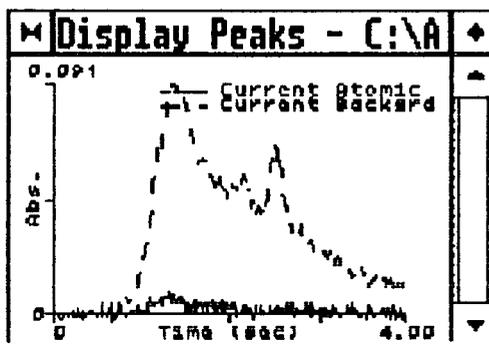
Mean Conc (ug/L ): 13.7 SD: 0.33 RSD(%): 2.38  
 Corrected Conc (mg/kg ): -----

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

~~~~~  
 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): -----



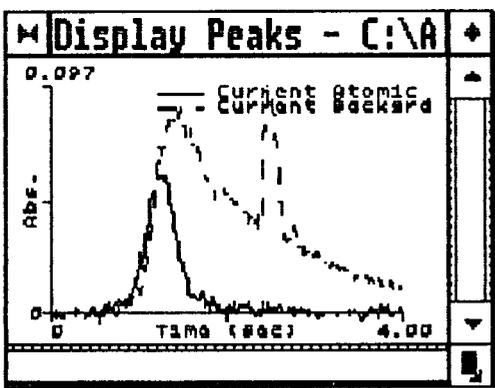
Mean Conc (ug/L): 2.1 SD: 0.11 RSD(%): 5.13
Corrected Conc (mg/kg): -----

~~~~~  
Se ID: SL 6/7 Seq. No.: 00021 A/S Pos.: 15 Date: 09/02/94

uL dispensed: 5 from 1, 4 from 5, 20 from 15  
Replicate 1 (Peak Stored) Time: 14:48  
Peak Area (A-s): 0.029 Peak Height (A): 0.057  
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.090  
Blank Corrected Pk Area (A-s): 0.027  
Concentration (ug/L ): 14.0 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 15  
Replicate 2 (Peak Stored) Time: 14:50  
Peak Area (A-s): 0.028 Peak Height (A): 0.059  
Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.097  
Blank Corrected Pk Area (A-s): 0.026  
Concentration (ug/L ): 13.7 Corrected Conc (mg/kg ): -----

*SL-6/7A*  
*W*



Mean Conc (ug/L ): 13.8 SD: 0.20 RSD(%): 1.43  
Corrected Conc (mg/kg ): -----

Recovery is 116.7% (outside of specified limits) *OK Flag W*

~~~~~  
Se ID: SL-08 Seq. No.: 00022 A/S Pos.: 16 Date: 09/02/94

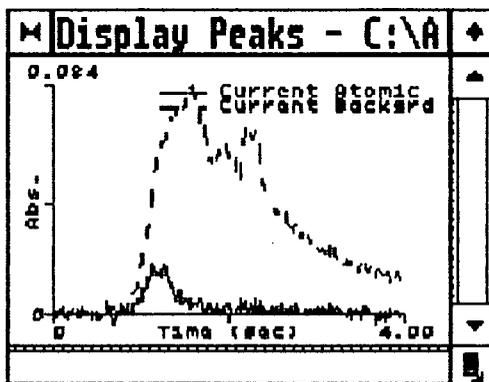
uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 1 (Peak Stored) Time: 14:53
Peak Area (A-s): 0.012 Peak Height (A): 0.021
Background Pk Area (A-s): 0.127 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 5.1 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 14:55
Peak Area (A-s): 0.012 Peak Height (A): 0.019

0245

Background PK Area (A-s): 0.127
Blank Corrected PK Area (A-s): 0.010
Concentration (ug/L): 4.9

Background PK Height (A): 0.084
Corrected Conc (mg/kg): -----



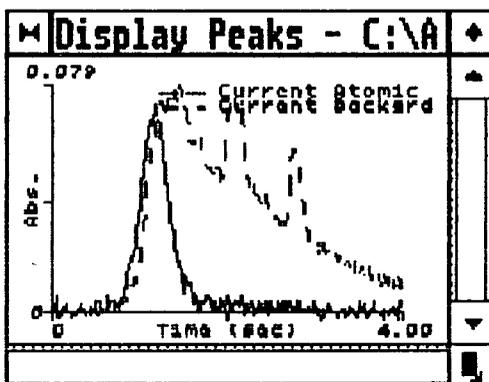
Mean Conc (ug/L): 5.0 SD: 0.11 RSD(%): 2.24
Corrected Conc (mg/kg): -----

~~~~~  
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*



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

Recovery is 115.2% (outside of specified limits)

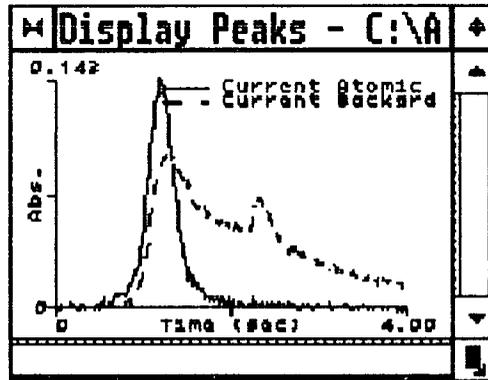
OK

Se ID: SL-08 MS Seq. No.: 00024 A/S Pos.: 17 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 17  
Replicate 1 (Peak Stored) Time: 15:03  
Peak Area (A-s): 0.060 Peak Height (A): 0.145  
Background Pk Area (A-s): 0.134 Background Pk Height (A): 0.097  
Blank Corrected Pk Area (A-s): 0.058  
Concentration (ug/L ): 30.4 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 17  
Replicate 2 (Peak Stored) Time: 15:05  
Peak Area (A-s): 0.059 Peak Height (A): 0.143  
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.100  
Blank Corrected Pk Area (A-s): 0.057  
Concentration (ug/L ): 30.0 Corrected Conc (mg/kg ): -----

Pre-digested  
M<sub>1</sub> + V<sub>1</sub> = 25  
Sample = 5.0



Mean Conc (ug/L ): 30.2 SD: 0.27 RSD(%): 0.90  
Corrected Conc (mg/kg ): -----

101%

Se ID: SL-08 MSD Seq. No.: 00025 A/S Pos.: 18 Date: 09/02/94

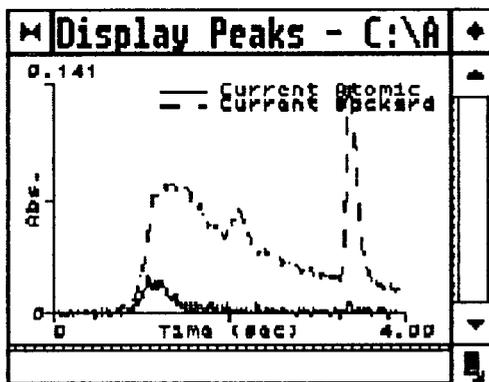
uL dispensed: 4 from 2, 5 from 1, 20 from 18  
Replicate 1 (Peak Stored) Time: 15:08  
Peak Area (A-s): 0.012 Peak Height (A): 0.022  
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.097  
Blank Corrected Pk Area (A-s): 0.010  
Concentration (ug/L ): 4.8 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 18  
Replicate 2 (Peak Stored) Time: 15:10  
Peak Area (A-s): 0.013 Peak Height (A): 0.022  
Background Pk Area (A-s): 0.141 Background Pk Height (A): 0.141  
Blank Corrected Pk Area (A-s): 0.012

0247

Concentration (ug/L ): 5.8

Corrected Conc (mg/kg ): -----



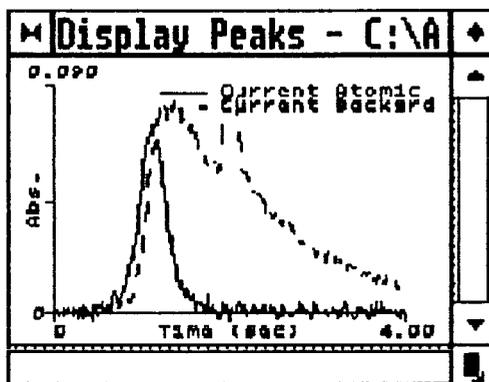
Mean Conc (ug/L ): 5.3 SD: 0.68 RSD(%): 12.79  
 Corrected Conc (mg/kg ): -----

~~~~~  
 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

Mean Conc (ug/L): 15.7 SD: 0.59 RSD(%): 3.78

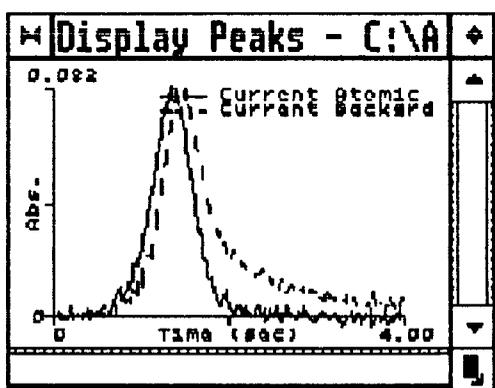
Corrected Conc (mg/kg): -----

Recovery is 103.5%

Se ID: CCV Seq. No.: 00027 A/S Pos.: 4 Date: 09/02/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored) Time: 15:18
Peak Area (A-s): 0.050 Peak Height (A): 0.083
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 25.4 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 15:20
Peak Area (A-s): 0.049 Peak Height (A): 0.082
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.082
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 24.7 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): 25.0 SD: 0.55 RSD(%): 2.18

Corrected Conc (mg/kg): -----

QC sample is within range 22.5 - 27.5

100%

Se ID: CCB Seq. No.: 00028 A/S Pos.: 2 Date: 09/02/94

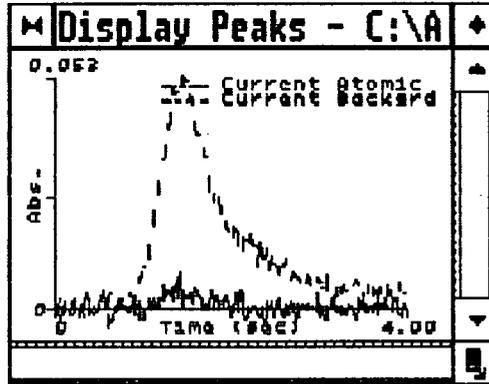
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 15:23
Peak Area (A-s): 0.002 Peak Height (A): 0.009
Background Pk Area (A-s): 0.061 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.4 Corrected Conc (mg/kg): -----

0249

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 15:25
Peak Area (A-s): 0.003 Peak Height (A): 0.008

Background PK Area (A-s): 0.050
Blank Corrected PK Area (A-s): 0.001
Concentration (ug/L): 0.4

Background PK Height (A): 0.053
Corrected Conc (mg/kg): -----



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

RSD(%): 5035.42

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

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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

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

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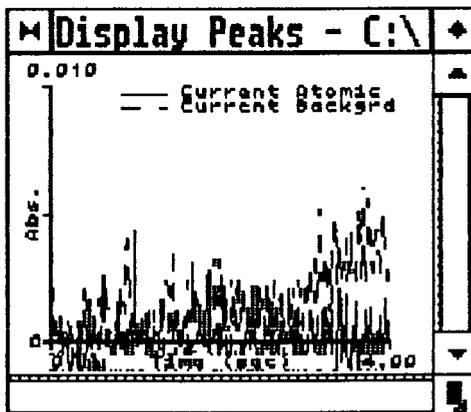
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1                Time: 09:48
Peak Area (A-s): 0.001     Peak Height (A): 0.004
Background Pk Area (A-s): 0.003    Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L ): 0.0

```

```

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

```

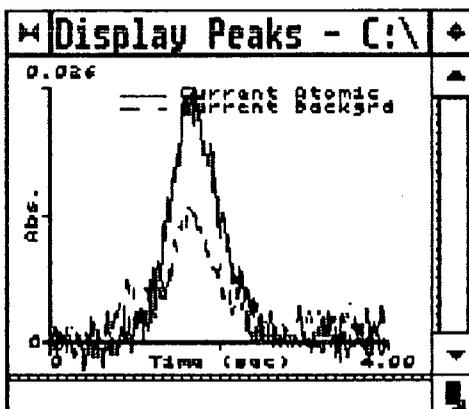
Auto-zero performed.

~~~~~  
T1 ID: 10 PPB STD Seq. No.: 00003 A/S Pos.: 3 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3  
Replicate 1 Time: 09:54  
Peak Area (A-s): 0.019 Peak Height (A): 0.026

Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.015  
Blank Corrected Pk Area (A-s): 0.018  
Concentration (ug/L ): 9.8

uL dispensed: 4 from 2, 5 from 1, 20 from 3  
Replicate 2 (Peak Stored) Time: 09:56  
Peak Area (A-s): 0.019 Peak Height (A): 0.026  
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.015  
Blank Corrected Pk Area (A-s): 0.018  
Concentration (ug/L ): 9.8



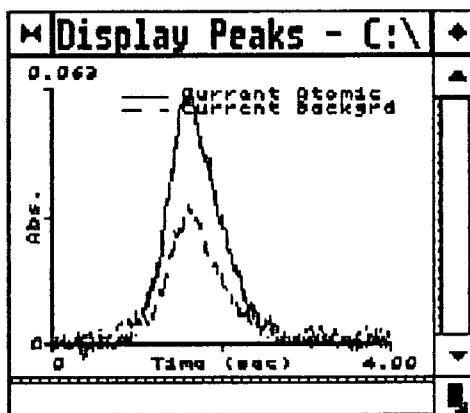
Mean Conc (ug/L ): 9.8 SD: 0.00 RSD(%): 0.03

Standard number 1 applied. [10.0]  
Correlation coefficient: 1.00000 Slope: 0.0018 Int: 0.000

~~~~~  
T1 ID: 25 PPB STD Seq. No.: 00004 A/S Pos.: 4 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 09:59
Peak Area (A-s): 0.048 Peak Height (A): 0.064
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 26.2

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 10:01
Peak Area (A-s): 0.047 Peak Height (A): 0.063
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 25.3



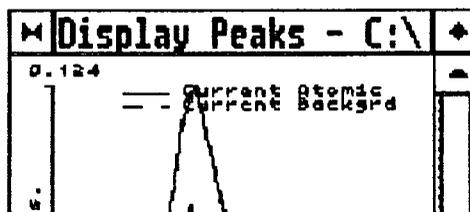
Mean Conc (ug/L): 25.7 SD: 0.68 RSD(%): 2.65
 Standard number 2 applied. [25.0]
 Correlation coefficient: 0.99992 Slope: 0.0019 Int: -0.000

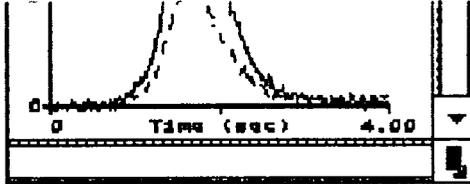
Characteristic Mass = 47.4 pg/0.0044 A-s

~~~~~  
 T1 ID: 50 PPB STD Seq. No.: 00005 A/S Pos.: 5 Date: 09/06/94

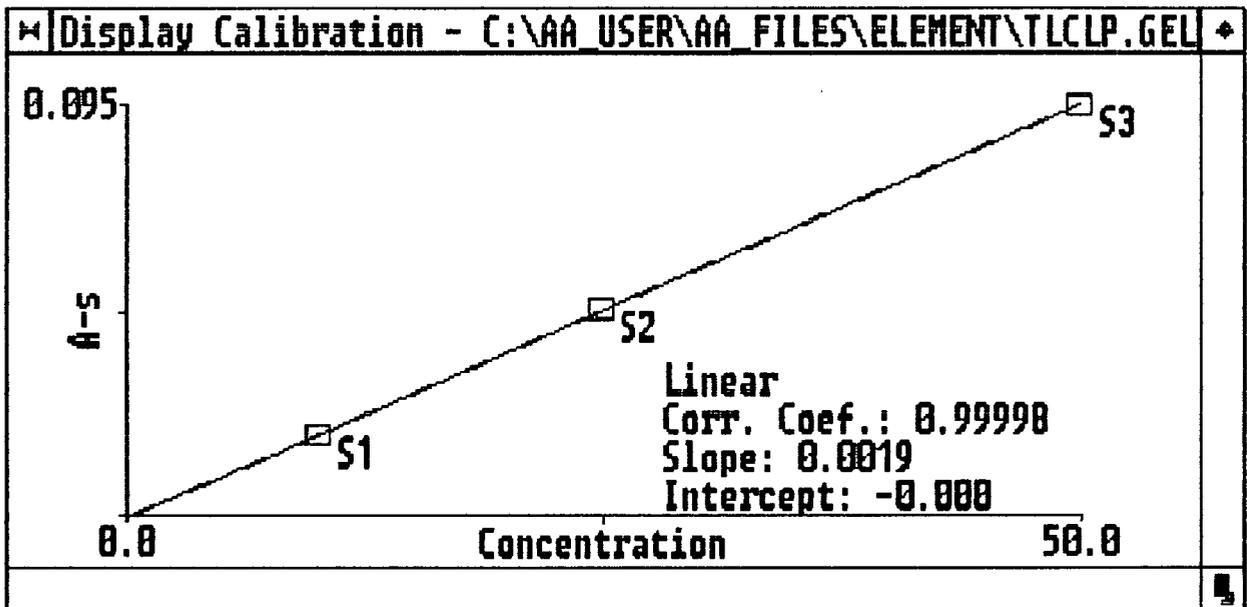
uL dispensed: 4 from 2, 5 from 1, 20 from 5  
 Replicate 1 Time: 10:04  
 Peak Area (A-s): 0.094 Peak Height (A): 0.121  
 Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.066  
 Blank Corrected Pk Area (A-s): 0.094  
 Concentration (ug/L ): 49.9

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





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

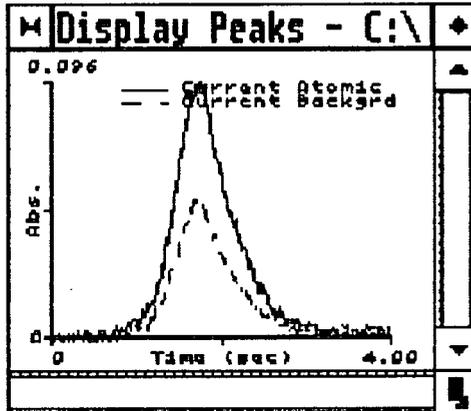


~~~~~  
 T1 ID: ICV Seq. No.: 00006 A/S Pos.: 8 Date: 09/06/94

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	



f.v. = 40

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

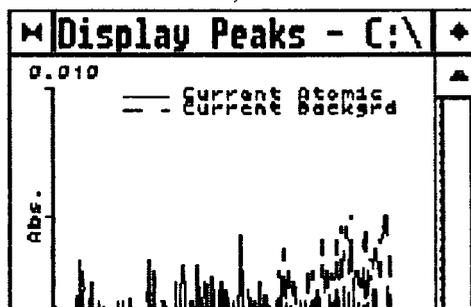
QC sample is within range 36.0 - 44.0

102%

~~~~~  
 T1 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



0255



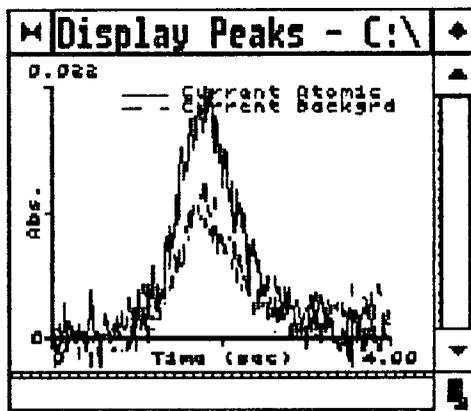
Mean Conc (ug/L ): 0.2 SD: 0.19 RSD(%): 90.09

QC sample is within range -10.0 - 10.0

T1 ID: CRA Seq. No.: 00008 A/S Pos.: 3 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 Time: 10:27
Peak Area (A-s): 0.019 Peak Height (A): 0.028
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.017
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L ): 10.0

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 10:30
Peak Area (A-s): 0.019 Peak Height (A): 0.022
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L ): 10.0



Mean Conc (ug/L ): 10.0 SD: 0.02 RSD(%): 0.19

QC sample is within range 5 - 20

±V = 10

T1 ID: PBLK-SOIL Seq. No.: 00009 A/S Pos.: 10 Date: 09/06/94

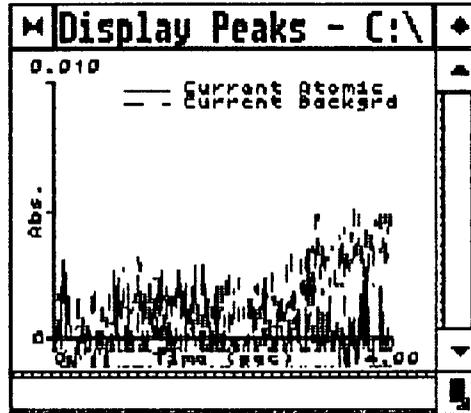
uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 Time: 10:32
Peak Area (A-s): -0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L ): 0.0

0256

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 2 (Peak Stored) Time: 10:35

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

Peak Height (A): 0.004  
Background Pk Height (A): 0.006



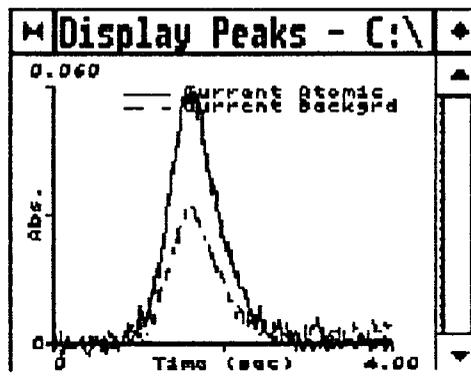
Mean Conc (ug/L ): -0.2 SD: 0.28 RSD(%): 155.95

~~~~~  
T1 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

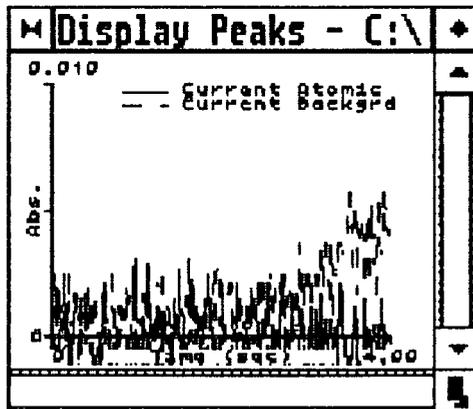
Recovery is ~~112.5%~~

112% 111.5

T1 ID: PBLK-H2O Seq. No.: 00011 A/S Pos.: 11 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 1 Time: 10:43
Peak Area (A-s): -0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4

uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 2 (Peak Stored) Time: 10:46
Peak Area (A-s): -0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.1



Mean Conc (ug/L): -0.2 SD: 0.26 RSD(%): 104.97

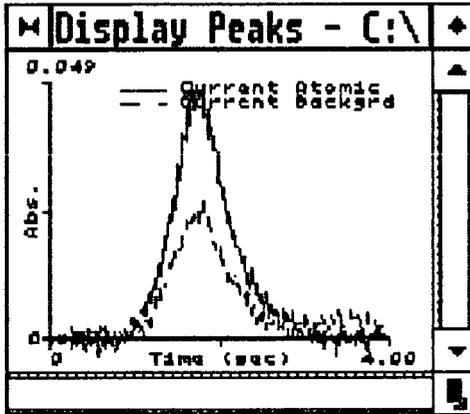
T1 ID: PBLK-H2O Seq. No.: 00012 A/S Pos.: 11 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 11
Replicate 1 Time: 10:48
Peak Area (A-s): 0.039 Peak Height (A): 0.049
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 20.4

uL dispensed: 5 from 1, 4 from 6, 20 from 11
Replicate 2 (Peak Stored) Time: 10:51
Peak Area (A-s): 0.038 Peak Height (A): 0.049
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.027

0258

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

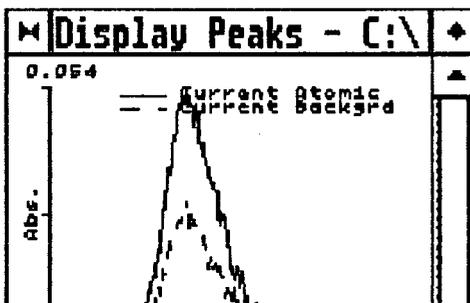
Recovery is 101.7%

101%

~~~~~  
T1 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



0259

|            |      |
|------------|------|
| Time (sec) | 4.00 |
|------------|------|

Mean Conc (ug/L ): 20.4 SD: 0.67 RSD(%): 3.31  
 Corrected Conc (ug/L ): 40.7

2x dilution  
 +v. = 40

102%

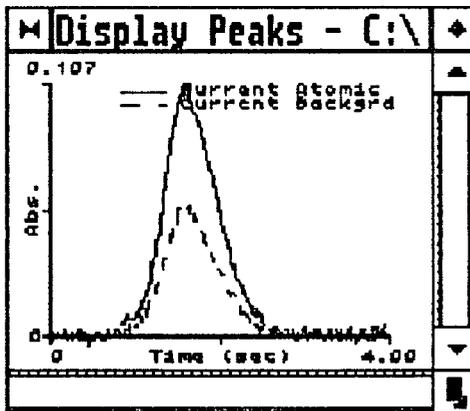
T1 ID: LCS Seq. No.: 00014 A/S Pos.: 12 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 12  
 Replicate 1 Time: 10:59  
 Peak Area (A-s): 0.079 Peak Height (A): 0.113  
 Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.058  
 Blank Corrected Pk Area (A-s): 0.079  
 Concentration (ug/L ): 41.8 Corrected Conc (ug/L ): 83.5

uL dispensed: 5 from 1, 4 from 6, 20 from 12  
 Replicate 2 (Peak Stored) Time: 11:02  
 Peak Area (A-s): 0.080 Peak Height (A): 0.107  
 Background Pk Area (A-s): 0.047 Background Pk Height (A): 0.057  
 Blank Corrected Pk Area (A-s): 0.079  
 Concentration (ug/L ): 41.9 Corrected Conc (ug/L ): 83.8

LCS A

Post spike  
 of 2x dilution  
 +v = 40



Mean Conc (ug/L ): 41.8 SD: 0.11 RSD(%): 0.25  
 Corrected Conc (ug/L ): 83.7

2x

Recovery is 107.4%

107%

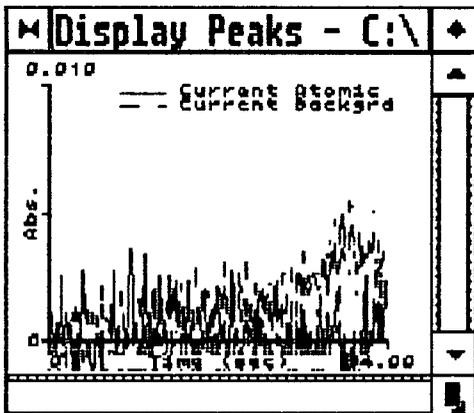
T1 ID: FIELD BLK Seq. No.: 00015 A/S Pos.: 13 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13  
 Replicate 1 Time: 11:04  
 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

0260

Replicate 2 (Peak Stored)  
 Peak Area (A-s): 0.000  
 Background Pk Area (A-s): 0.005  
 Blank Corrected Pk Area (A-s): -0.000  
 Concentration (ug/L ): 0.2

Time: 11:07  
 Peak Height (A): 0.004  
 Background Pk Height (A): 0.006

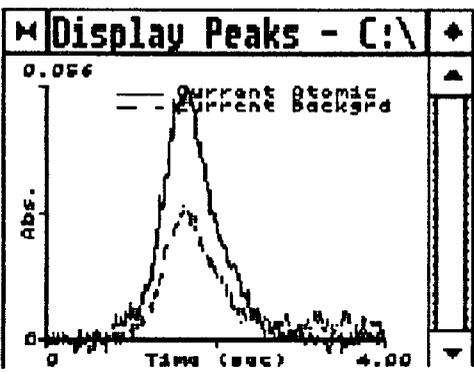


Mean Conc (ug/L ): 0.1 SD: 0.09 RSD(%): 104.47

T1 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



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

Recovery is ~~109.0%~~

*Field Blk A*

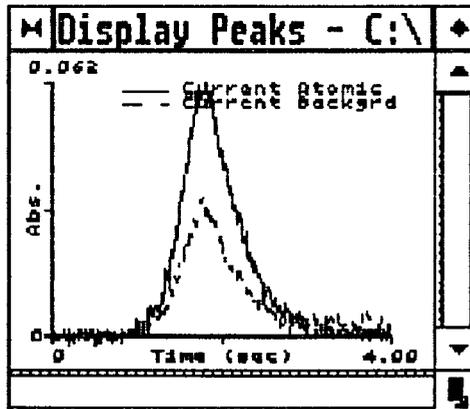
*110%*

*109.5*

~~~~~  
T1 ID: CCV Seq. No.: 00017 A/S Pos.: 4 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 11:15
Peak Area (A-s): 0.048 Peak Height (A): 0.061
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 25.1

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 11:18
Peak Area (A-s): 0.049 Peak Height (A): 0.062
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 25.6



Mean Conc (ug/L): 25.4 SD: 0.39 RSD(%): 1.54

QC sample is within range 22.5 - 27.5

102%

~~~~~  
T1 ID: CCB Seq. No.: 00018 A/S Pos.: 2 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 1 Time: 11:21  
Peak Area (A-s): -0.001 Peak Height (A): 0.003  
Background Pk Area (A-s): 0.007 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): -0.002  
Concentration (ug/L ): -0.7

0262

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 2 (Peak Stored) Time: 11:22

Peak Area (A-s): -0.000

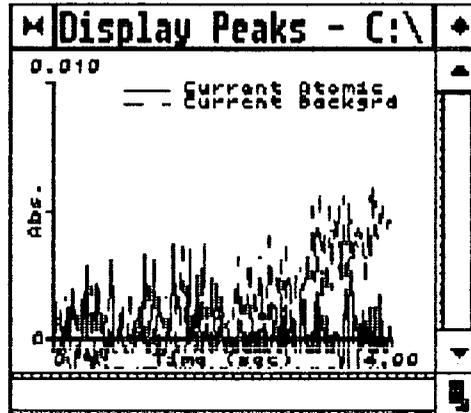
Peak Height (A): 0.004

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

~~~~~  
 T1 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

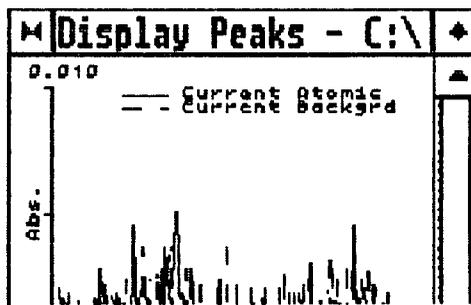
Peak Height (A): 0.005

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



uL dispensed: 4 from 2, 5 from 1, 20 from 15

Replicate 2 (Peak Stored)

Peak Area (A-s): 0.001

Background Pk Area (A-s): 0.002

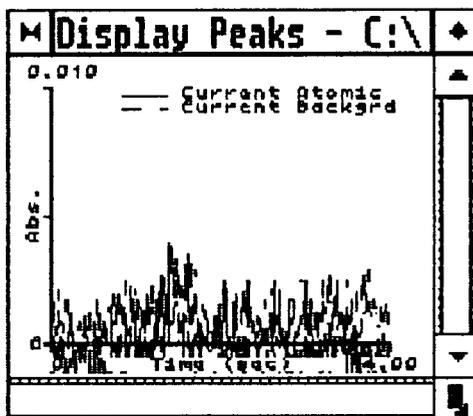
Blank Corrected PK Area (A-s): 0.000

Concentration (ug/L): 0.3

Time: 11:39

Peak Height (A): 0.004

Background Pk Height (A): 0.003



Mean Conc (ug/L): 0.4

SD: 0.12

RSD(%): 30.37

~~~~~

T1 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

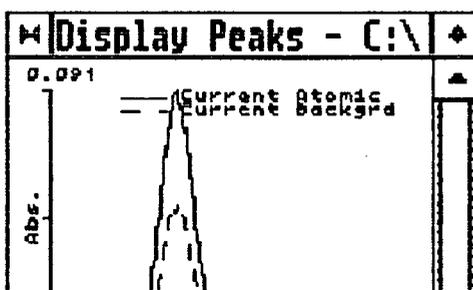
Peak Height (A): 0.091

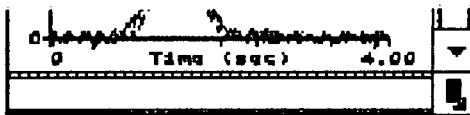
Background Pk Area (A-s): 0.025

Background Pk Height (A): 0.049

Blank Corrected PK Area (A-s): 0.045

Concentration (ug/L ): 23.6





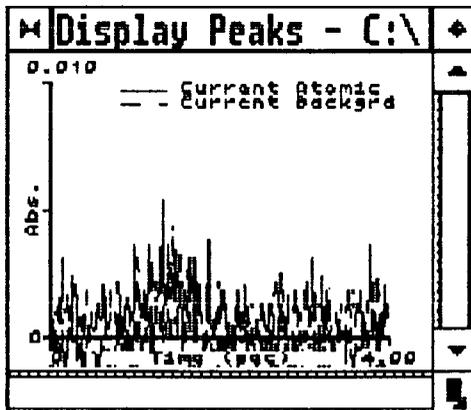
Mean Conc (ug/L ): 23.1 SD: 0.69 RSD(%): 2.97  
 Recovery is 113.6%

*SL 6/7 A*  
*116% w OK Flag*

~~~~~  
 T1 ID: SL-08 Seq. No.: 00023 A/S Pos.: 16 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 16
 Replicate 1 Time: 11:47
 Peak Area (A-s): 0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.7

uL dispensed: 4 from 2, 5 from 1, 20 from 16
 Replicate 2 (Peak Stored) Time: 11:50
 Peak Area (A-s): 0.002 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.9



Mean Conc (ug/L): 0.8 SD: 0.20 RSD(%): 24.38

~~~~~  
 T1 ID: SL-08 Seq. No.: 00024 A/S Pos.: 16 Date: 09/06/94

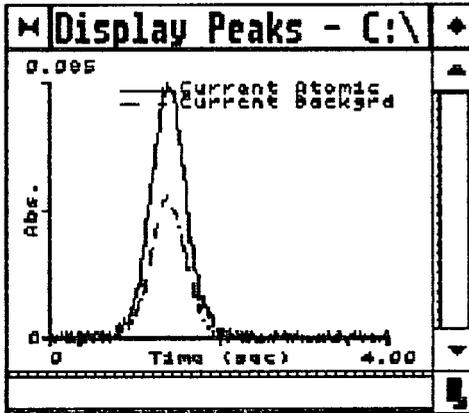
uL dispensed: 5 from 1, 4 from 6, 20 from 16  
 Replicate 1 Time: 11:53  
 Peak Area (A-s): 0.043 Peak Height (A): 0.084  
 Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.046  
 Blank Corrected Pk Area (A-s): 0.043  
 Concentration (ug/L ): 22.8

uL dispensed: 5 from 1, 4 from 6, 20 from 16

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

Peak Height (A): 0.085  
 Background Pk Height (A): 0.048

*SL-08A*



*1.45*

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

Recovery is ~~110.4%~~

*111%*

*(I.D. = 0.7)*

T1 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

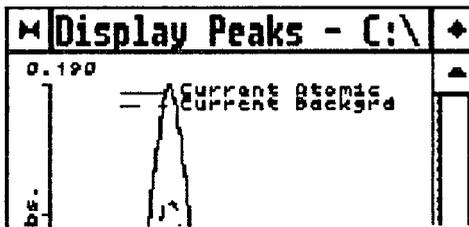
Peak Height (A): 0.190

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





Mean Conc (ug/L ): 52.5 SD: 0.15 RSD(%): 0.28

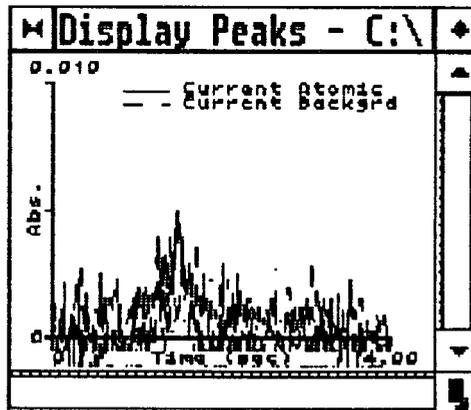
*predigested MS  
+V = 50 ppb*

*103%*

~~~~~  
 T1 ID: SL-08 MSD Seq. No.: 00026 A/S Pos.: 18 Date: 09/06/94

uL dispensed: 4 from 2, 5 from 1, 20 from 18
 Replicate 1 Time: 12:04
 Peak Area (A-s): 0.002 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.003
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.8

uL dispensed: 4 from 2, 5 from 1, 20 from 18
 Replicate 2 (Peak Stored) Time: 12:06
 Peak Area (A-s): 0.001 Peak Height (A): 0.005
 Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.004
 Blank Corrected Pk Area (A-s): 0.001
 Concentration (ug/L): 0.5



Mean Conc (ug/L): 0.7 SD: 0.23 RSD(%): 33.52

~~~~~  
 T1 ID: SL-08 MSD Seq. No.: 00027 A/S Pos.: 18 Date: 09/06/94

uL dispensed: 5 from 1, 4 from 6, 20 from 18  
 Replicate 1 Time: 12:09  
 Peak Area (A-s): 0.044 Peak Height (A): 0.084  
 Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.044  
 Blank Corrected Pk Area (A-s): 0.044  
 Concentration (ug/L ): 23.2

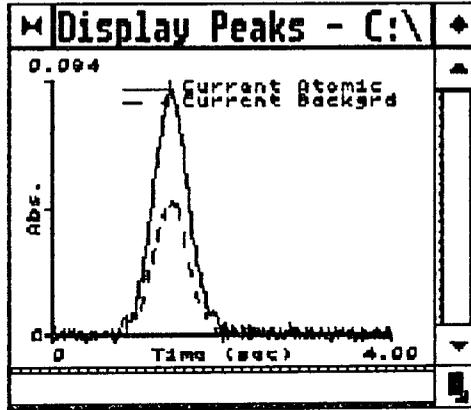
0268

uL dispensed: 5 from 1, 4 from 6, 20 from 18

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

Peak Height (A): 0.084  
Background Pk Height (A): 0.045

SL-08MSD A



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

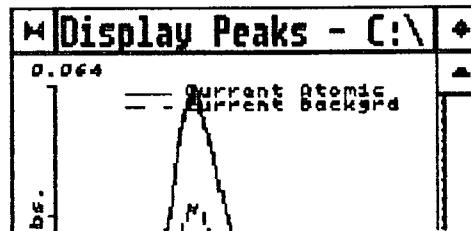
Recovery is ~~110.4%~~

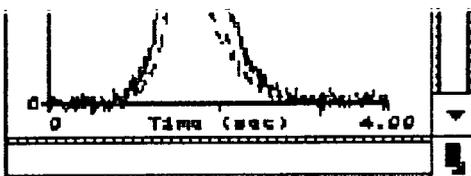
117.114

T1 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





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

QC sample is within range 22.5 - 27.5

105%

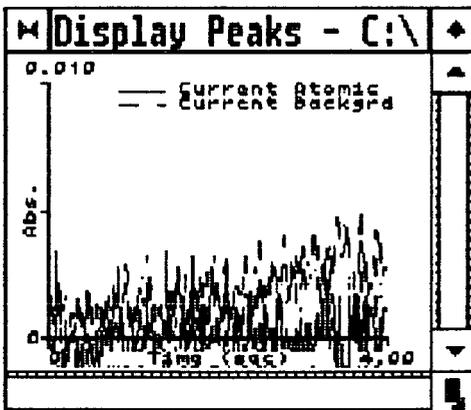
T1 ID: CCB Seq. No.: 00029 A/S Pos.: 2 Date: 09/06/94

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%   | 104%<br>5.20ppb |
| 177      | ICB        |                         |       | 99%   | 0.02ppb         |
| 219      | CRA        |                         |       | 98%   | 0.15ppb         |
| 26       | prep blank | 0.234g<br>crushed glass |       | 99%   | 0.02ppb         |
| 12       | LCS        | 0.222g<br>crushed glass |       | 67.5% | 102%<br>5.10ppb |
| 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 Retecl. Ct.

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

↓

**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 |

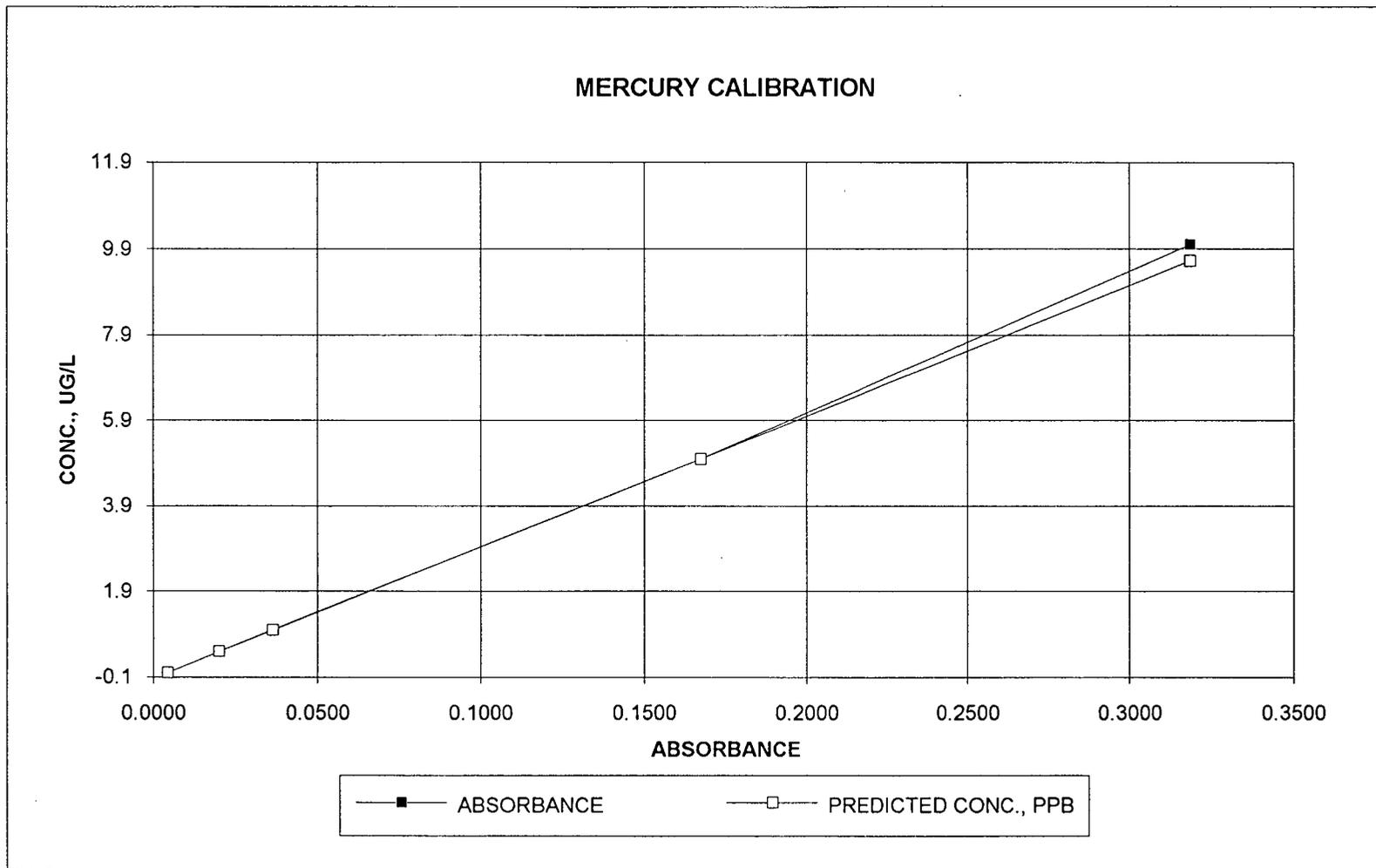
*Regression Statistics*

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

*Analysis of Variance*

|            | <i>df</i> | <i>Sum of Squares</i> | <i>Mean Square</i> | <i>F Significance F</i> |         |
|------------|-----------|-----------------------|--------------------|-------------------------|---------|
| Regression | 1         | 15.68709171           | 15.68709171        | 76843.18                | 1.3E-05 |
| Residual   | 2         | 0.000408288           | 0.000204144        |                         |         |
| Total      | 3         | 15.6875               |                    |                         |         |

|           | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Statistic</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> |
|-----------|---------------------|-----------------------|--------------------|----------------|------------------|------------------|
| 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         |





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  
ppb

bottle #

all 100ml

%T

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%

5.03 ppb

101%R

35

ICB

98.5%

0.03 ppb

225

LRA

97.5%

0.16 ppb

206

Prep Blank  
SV = 100ml

99%

-0.03 ppb

176

E0831-02 Field Blank  
SV = 100ml

98.5%

0.03 ppb

34

CCV

66.5%

4.75 ppb

95%R

48

CCB

98.5%

0.03 ppb

0276

**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                 |

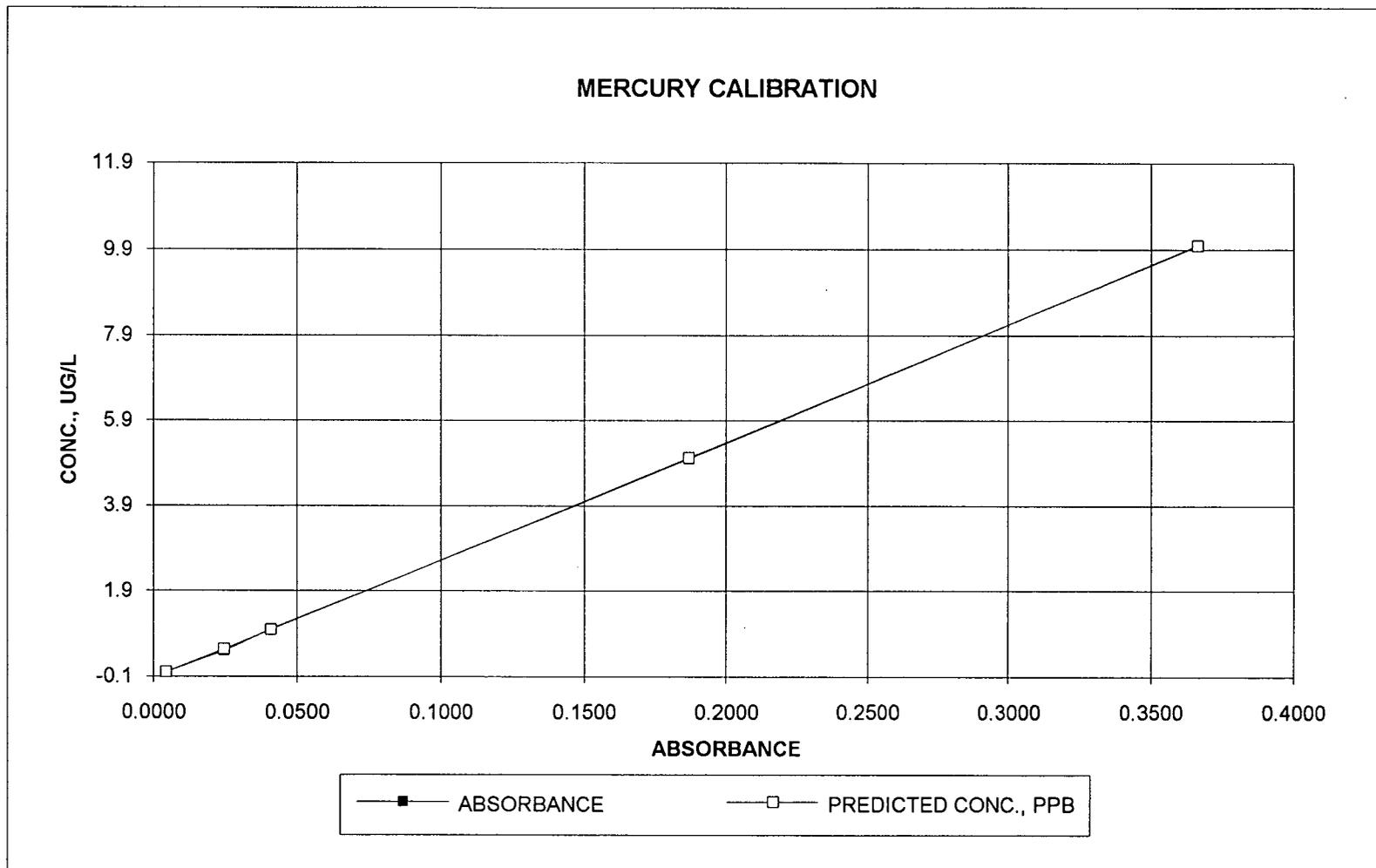
*Regression Statistics*

|                   |             |
|-------------------|-------------|
| 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        | Significance F |
|------------|----|----------------|-------------|----------|----------------|
| Regression | 1  | 71.79723224    | 71.79723224 | 77821.58 | 1.02E-07       |
| Residual   | 3  | 0.002767763    | 0.000922588 |          |                |
| Total      | 4  | 71.8           |             |          |                |

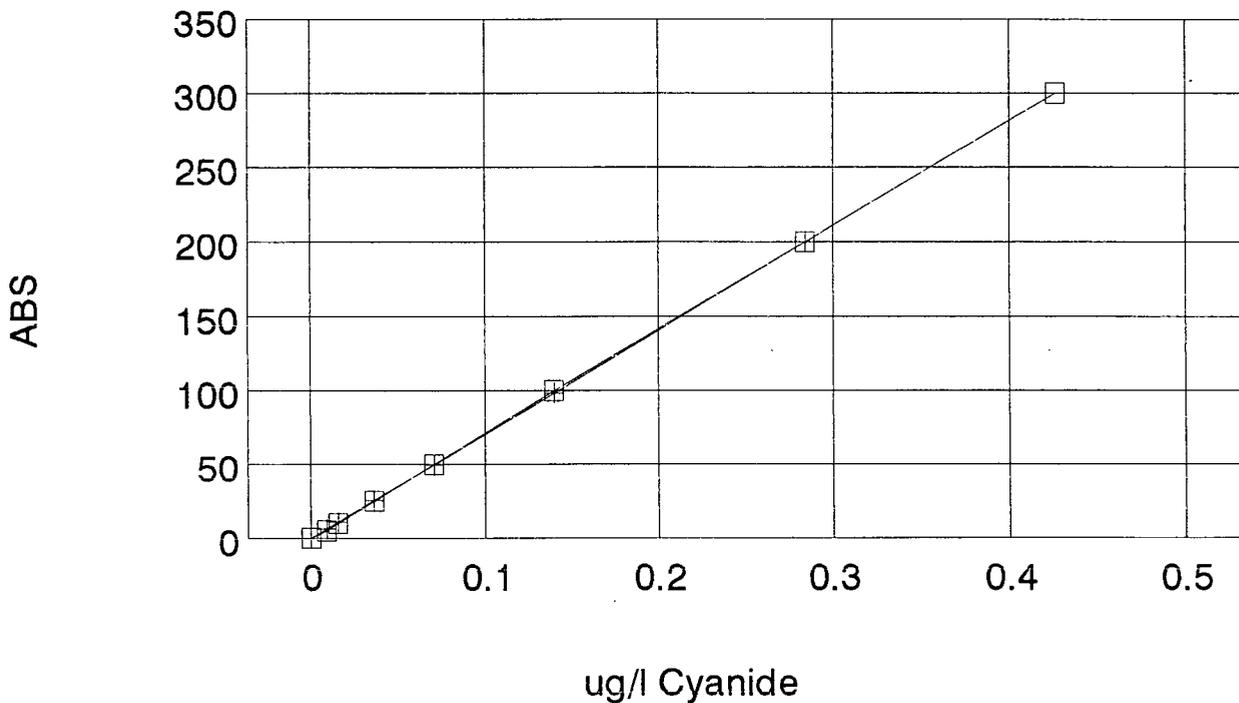
|           | Coefficients | Standard Error | t Statistic  | P-value  | Lower 95% | Upper 95% |
|-----------|--------------|----------------|--------------|----------|-----------|-----------|
| Intercept | -0.148322395 | 0.018366133    | -8.075864124 | 0.001277 | -0.20677  | -0.08987  |
| x1        | 27.65251194  | 0.099125312    | 278.9651934  | 9.91E-10 | 27.33705  | 27.96797  |





# Regression Output:

CYANIDE  
Date 9/7/94



| ug/l CN | 'PERCENT | ABSORB   | ACTUAL CM | 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           |



0.093

# T. Cyanoide

9/7/94  
DHP

| Seq     |      | DZ                  | mlcont |                     |          |
|---------|------|---------------------|--------|---------------------|----------|
|         |      | 500ml               | 100    |                     |          |
| 0       | 0    |                     |        |                     |          |
|         | S5   |                     |        |                     |          |
| 2       | S10  |                     |        | 98%                 | 13:00    |
| 3       | S25  |                     |        | 96.5                | 13:00    |
| 4       | S50  |                     |        | 92%                 | 13:00    |
| 5       | S100 |                     |        | 85%                 | 13:01    |
| 6       | S200 |                     |        | 72.5                | 13:01    |
| 7       | S300 |                     |        | 52%                 | 13:07    |
| =2      | 8    | ECU                 |        | 37.5%               | 13.02    |
| 100uy/l | 9    | ICB                 |        | 73%                 | 13.20    |
| #1      | 10   | Digt<br>BK          |        | 100%                | 13.20    |
| #3      | 11   | TB-1                |        | 100                 | 13.20    |
| (4)     | 12   | SL-04               |        | 100                 | 13:21    |
| (5)     | 13   | SL-47               |        | 99                  | 13:21    |
| (6)     | 14   | SL-08               |        | 99.5                | 13:21    |
| (7)     | 15   | SL-08 <sup>ms</sup> |        | 98                  | 13:22    |
| (8)     | 16   | Dup.<br>SL-08       |        | 39%                 | 13:22    |
| (11)    | 17   | Digt 200<br>Std 99b |        | 99%                 | 13:22    |
|         | 18   | 100 99pb<br>CCV     |        | 73.5                | 13:30    |
|         | 19   | CLB                 |        | 73                  | 13:30    |
|         | 20   | CCV 99pb            |        | 100                 | 13:30    |
|         | 21   | CLB                 |        | 85                  | 13:31    |
|         | 22   | Bk                  |        | 100                 | 13:31    |
|         | 23   | Std <sup>Knip</sup> |        | 100                 | 13:31    |
|         | 24   | SL-08               |        | 73%                 | 13:32    |
|         |      | CLV 99pb            |        | 2120 <sup>10x</sup> | 46 13:32 |
|         |      | CLB                 |        | 85                  | 13:32    |
|         |      |                     |        | 100                 | 13:33    |

9/1/94 DES SPEX std's used for CCV (1/2 Cal std)

Source: SPEX ICAL-1, ICAL-2, ICAL-3, ICAL-4

2.5% HCL 5% HNO<sub>3</sub>

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% HNO<sub>3</sub>

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 ICR

2.5% HCl 5% HNO<sub>3</sub>

Source: Leeman CLPstd 1, CLPstd 2, CLPstd 3, CLPstd 4

ICV: 10ml CLPstd 1  
2ml CLPstd 2  
1ml CLPstd 3  
10ml CLPstd 4

} ↑ 100ml

Concentrations (mg/L):

|    |                       |
|----|-----------------------|
| Al | 20.01                 |
| Ba | 20.01                 |
| Be | 0.500                 |
| Cd | <del>0.501</del> 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  $\rightarrow$  100ml

Furnace LCS for Pb, Se, Tl:

4ml 100X Spex QC-19  $\rightarrow$  100ml (final conc = 40 ppb)  
(1ml Spex QC-19  $\rightarrow$  100ml)

Furnace LCS for As:

4ml 100X Leeman CLP std-4  $\rightarrow$  100ml (final conc = 40 ppb)  
(1ml Leeman CLP-4  $\rightarrow$  100ml)

ICP LCS for Sb:

1ml Spex QC-19  $\rightarrow$  100ml (final conc = 1 ppm)

ICP spike:

3ml Spex spike-1  $\rightarrow$  200ml

Furnace spike:

10ml <sup>1 mg/ml</sup> 100X Spex ICAL-4  $\rightarrow$  200ml  
(1ml Spex ICAL-4  $\rightarrow$  100ml)  
(final conc As, Tl = 50 ppb  
Se, Pb = 25 ppb)

9/9/94 DES

Ag CLP std's:

Cal std: 2.5% HCL 5% HNO<sub>3</sub>  
2ml SPEX ICAL-2 1/100ml

Ag = 2ppm

ICV std: 2.5% HCL 5% HNO<sub>3</sub>  
2ml Leeman CLP std 2 1/100ml

Ag = 2ppm

CCV std: 2.5% HCL 5% HNO<sub>3</sub>  
1ml Spex ICAL-2 1/100ml

Ag = 1ppm

9/7/94 DES

Sb cal. Std (Johnson Matthey) 2.5% HCL 5% HNO<sub>3</sub>

10 ppm Sb : 1 ml 1000 ppm Sb → 100 ml

Sb CCV (Johnson Matthey) 2.5% HCL 5% HNO<sub>3</sub>

5 ppm Sb : 0.5 ml 1000 ppm Sb → 100 ml

Sb ICV (SPEX QC-19) 2.5% HCL 5% HNO<sub>3</sub>

1 ppm Sb : 1 ml 100 ppm Sb SpeX QC-19 → 100 ml

CRT ~~SPEX~~ SPEX 120

**SPEX**

12/12/9  
DEC  
ISO 9001  
SPEX  
NMI

# 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  $\pm 0.5\%$  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 deionized water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherakota, Chemical Production Manager, Date: OCT 94

**SPEX**



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# CERTIFICATE OF ANALYSIS

Catalog Number: CRDL-1

Recd 1/21/94

Description: Contract Required D.L. Standard

Lot Number: 6-87AS

15007

### 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  $\pm 0.5\%$  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 deionized water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherakota, Chemical Production Manager Date: JAN 94



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# 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 deionized water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherakota, Chemical Production Manager Date: JAN 94



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# 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 <sub>3</sub> |
| 10/7/94 | 10, 25, 50     | 1% HNO <sub>3</sub> |

# Thallium

Supplier Johnson Matthey 1000  $\mu\text{g/ml}$   
 Lot # 3-0967 J  
 Date rec'd 12/30/93 opened 1/7/94

Stock conc - 10 ppm = 100x dilution 1/7/94  
 1ml 1000  $\mu\text{g/ml}$  TI  $\rightarrow$  100ml DI in 5%  $\text{HNO}_3$

## Template

final  
vol.

- BLK - 100ml DI - 1ml  $\text{HNO}_3$  1%
- 50 ppb - 100ml - 1ml  $\text{HNO}_3$  + 0.5ml 10ppm std
- 25 ppb - 50ml - 25ml 50 ppb std + 25ml BLK
- 10 ppb - 10ml - 2ml 50 ppb std + 8ml BLK
- 100 ppb - 100ml - 1%  $\text{HNO}_3$  + 1ml 10ppm std

| Initial Date | Conc<br>ppb     | Date     | Conc<br>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 <sup>2% <math>\text{HNO}_3</math></sup> |
| 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      |          |                                                         |
| 6/28/94      | 10, 25, 50      |          |                                                         |

# Selenium

Supplier: Johnson Matthey 1000 µg/ml (ppm)  
 Lot # : 301548C  
 Date rec'd : 12/30/93 Opened 1/2/94

Stock conc. - 10 ppm = 100x dilution Date/Initial  
 1ml 1000 µg/ml Se → 100ml DI H<sub>2</sub>O in 5% HNO<sub>3</sub> 1/3/94  
Sm

## final vol. Template

Blank - 100ml vol. - 1ml HNO<sub>3</sub> + ~~0.5ml 5% Ni(NO<sub>3</sub>)<sub>2</sub>~~ Am

5ppb - 10ml vol - 1ml 50 ppb std + 9ml Blank

10ppb - 10ml vol - 2ml 50 ppb std + 8ml Blank

25ppb - 50ml vol. - 25ml 50 ppb std + 25ml Blank

50ppb - 100ml vol. - 2ml HNO<sub>3</sub> + 0.5ml 5% Ni(NO<sub>3</sub>)<sub>2</sub> + 0.5ml <sup>10ppm</sup> 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 |
| Am      | 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.)

|    | <u>Date</u> | <u>cond.</u>  |                     |
|----|-------------|---------------|---------------------|
| dm | 8/17/94     | 5, 10, 25, 50 | 2% HNO <sub>3</sub> |
|    | 9/1/94      | 5, 10, 25, 50 | 2% HNO <sub>3</sub> |
|    | 10/3/94     | 5, 10, 25, 50 | 1% HNO <sub>3</sub> |

9/14/94 DES

100ppb Hg std: 5% HNO<sub>3</sub>

1ml (1000ppm Hg)  $\uparrow$  100ml = 10ppm Hg  
Johnson Matthey

10ml (10ppm Hg)  $\uparrow$  100ml = 100ppb Hg

Hg working std's:

10ml (100ppb Hg)  $\uparrow$  100ml = 10ppb

5ml (100ppb Hg)  $\uparrow$  100ml = 5ppb

1ml (100ppb Hg)  $\uparrow$  100ml = 1ppb

0.5ml (100ppb Hg)  $\uparrow$  100ml = 0.5ppb

ICV:

1ml (ERA 500ppb Std)  $\uparrow$  100ml = 5ppb

CCV:

5ml (100ppb Std)  $\uparrow$  100ml = 5ppb  
Johnson Matthey

CRA:

2ml (10ppb Hg)  $\uparrow$  100ml = 0.2ppb  
Johnson Matthey

9/21/94 DES

100ppb Hg std: 5% HNO<sub>3</sub>  
1ml (1000ppm Hg)  $\uparrow$  100ml = 10ppm Hg  
Johnson Matthey

10ml (10ppm Hg)  $\uparrow$  100ml = 100ppb Hg

Hg working std:

10ml (100ppb Hg)  $\uparrow$  100ml = 10ppb

5ml (100ppb Hg)  $\uparrow$  100ml = 5ppb

1ml (100ppb Hg)  $\uparrow$  100ml = 1ppb

0.5ml (100ppb Hg)  $\uparrow$  100ml = 0.5ppb

ICV: 1ml (ERA 500ppb std)  $\uparrow$  100ml = 5ppb

CRA: 2ml (10ppb Hg)  $\uparrow$  100ml = 0.2ppb  
Johnson Matthey

CCV: 2.5ml (100ppb Hg)  $\uparrow$  100ml = 2.5ppb  
Johnson Matthey

LCS: ICV with crushed glass

Hg ms: 0.5ml ERA 500ppb std, added  
spike = 2.5ppb

9/7/94

$$10 \uparrow 100 = 1.00 \text{ ppm}$$

|   |                     |          |                        |
|---|---------------------|----------|------------------------|
|   | 5.0 $\mu\text{g/l}$ | 7 100 ml | 0.5 ml of 1.0 ppm used |
|   | 10.0                |          | 1.0                    |
|   | 25                  |          | 2.5                    |
| → | 5.0                 |          | 5.0                    |
|   | 100                 |          | 10.0                   |
|   | 200                 |          | 20                     |
|   | 300                 |          | 30                     |

$$\frac{10 \text{ ml}}{100 \text{ ml}} \uparrow 100 = \frac{100 \mu\text{g/l}}{50 \mu\text{g/l}}$$

# Distillation Log

9/7/94

|       |                           | Start  | Final |            |
|-------|---------------------------|--------|-------|------------|
|       | 1 BK                      | 500ml  | 100   |            |
| *     | 2 Std                     | 500ml  | 100   |            |
|       | 3 FB-1                    | 500ml  | 100   |            |
|       | 4 SL-04                   | 5.029g | 100g  | 88% Solids |
|       | 5 SL 6/7                  | 4.894g |       | 83% Solids |
|       | 6 SL 08                   | 5.019g |       | 74% Solids |
| 125ml | 7 SL-08 <sup>ms</sup>     | 4.791g |       | 73% Solids |
|       | 8 SL-08 <sup>ms Dup</sup> | 5.042g |       | 77% Solids |

|   |                                 |  |       |
|---|---------------------------------|--|-------|
|   | 9 Blank                         |  | 100ml |
| * | 10 Std                          |  |       |
|   | 11 <sup>50ppm Std</sup> Dig Std |  |       |
|   | 12                              |  |       |

\* Std ICU  
5ml to 1000ml then 101500ml

Spike 125ml of Std 1500ml = 1250ug/l TCW in 100ml  
25ug/l

20ml KCN  
AgN<sub>3</sub> 16.95ml  
16.95ml  
16.95ml

mg/l T-CW  
(20)(847.5) = (16.95)(1000)  
(847.5)( ) = (10)(1000ml)  
11.80ml 1000ml = 10ppm

9/1/94 DES

2X IDL std for Pb: 2.5% HCl 5% HNO<sub>3</sub>  
2ml 1ppm Pb  $\rightarrow$  25ml = 0.08ppm Pb

$\rightarrow$  Johnson & Matthey

ICSA  $\rightarrow$  SPEX  
ICSA B

on: 3:30  
off: 6:45

95°C

8/30/94 DES

Retec E0831-02

CLP Prep log

8/31/94 DES

ICP 2.5% HCl / 5% HNO<sub>3</sub>

Box #

Furnace 2% HNO<sub>3</sub>

Soil prep: (Filtered)

digestion

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 <small>spike<br/>sol'n<br/>added</small> | 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 ↑ 200ml        | 21A | 1.445g | crushed glass ↑ 200ml        |
| LCS                                                  | 22A | 1.448g | crushed glass ↑ 100ml ICP    | 23A | 1.457g | crushed glass ↑ 100ml ICP    |
| LCS                                                  | 24A | 1.453g | crushed glass ↑ 100ml for Se | 25A | 1.447g | crushed glass ↑ 100ml for Se |

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

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| 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% |      |
| 083102     |       |        |        |        |       |      |      |
| 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 |
| SL 08 3    | 0.974 | 10.854 | 8.295  | 9.880  | 7.321 | 74%  | 74.1 |
| SL 08ms 4  | 0.968 | 10.940 | 8.250  | 9.972  | 7.282 | 73%  | 73.0 |
| SL 08ms0 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 | 11.846 | 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 Technologies, Inc.  
9 Pond Lane  
Concord, MA 01742

Report Date: October 24, 1994

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## 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)perylene  | 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 of 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 |

**General comments/clarifications:**

3x > MDL

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

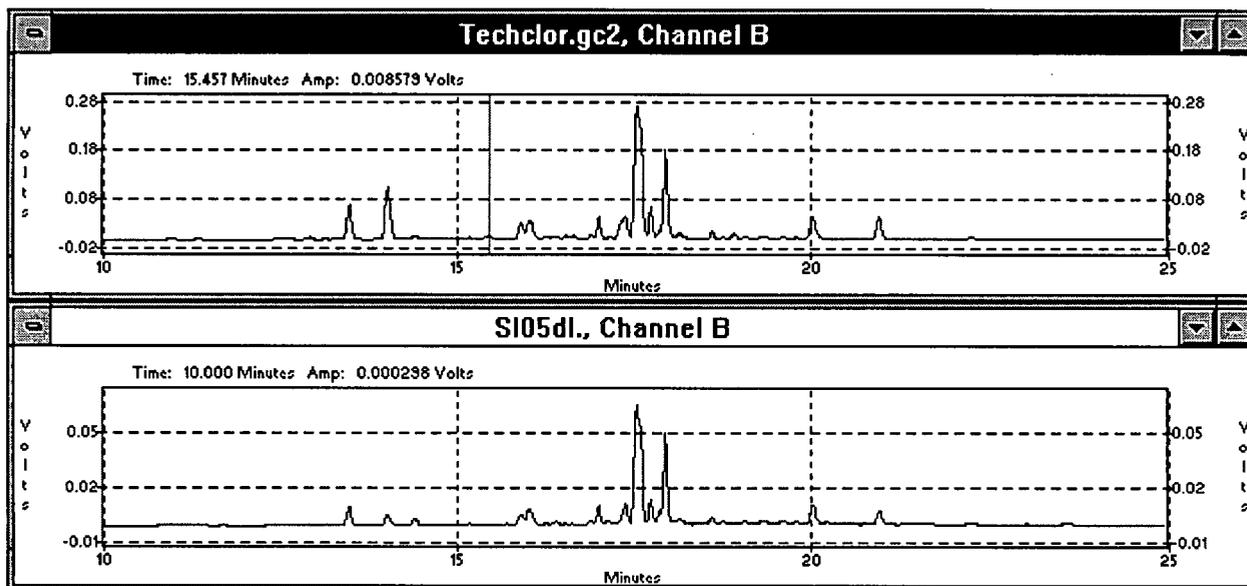
dilution on GC#2 was not performed under CLP protocols. This does not constitute a data package inadequacy because:

- 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 recoverys, 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

| PROJ. NO.                            |                | PROJECT NAME |                                           | NO. OF CONTAINERS | <i>TAL/TCL full list</i><br><i>Mixed-contaminants</i><br><i>Soil VOCs</i> |  |  |  |                                                       | REMARKS |
|--------------------------------------|----------------|--------------|-------------------------------------------|-------------------|---------------------------------------------------------------------------|--|--|--|-------------------------------------------------------|---------|
| 8-0847-630                           |                | Wildwood     |                                           |                   |                                                                           |  |  |  |                                                       |         |
| SAMPLERS:<br><i>Chal Laceridas</i>   |                |              |                                           |                   |                                                                           |  |  |  |                                                       |         |
| RECEIVING LABORATORY:<br><i>NETL</i> |                |              |                                           |                   |                                                                           |  |  |  |                                                       |         |
| SAMPLE NO.                           | DATE           | TIME         | SAMPLE LOCATION                           |                   |                                                                           |  |  |  |                                                       |         |
| <i>TB</i>                            | <i>8-30-94</i> | <i>—</i>     | <i>Trip Blank</i>                         | <i>1</i>          |                                                                           |  |  |  | <i>Analyse trip blank water sample for soil voc's</i> |         |
| <i>SL-6/7</i>                        | <i>8-30-94</i> | <i>3:00</i>  | <i>Sludge location SL-6/7</i>             | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-04</i>                         | <i>8-30-94</i> | <i>12:00</i> | <i>Sludge location SL-04</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-08</i>                         | <i>8-30-94</i> | <i>2:25</i>  | <i>Sludge location SL-08</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-08</i>                         | <i>8-30-94</i> | <i>2:26</i>  | <i>MATRIX Spike Sludge location SL-08</i> | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-08</i>                         | <i>8-30-94</i> | <i>2:30</i>  | <i>MATRIX Spike Duplicate SL-08</i>       | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>FLB</i>                           | <i>8-30-94</i> | <i>—</i>     | <i>Field Blank</i>                        | <i>6</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-10/11</i>                      | <i>8-30-94</i> | <i>2:45</i>  | <i>Sludge location 10/11</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-25</i>                         | <i>8-30-94</i> | <i>2:00</i>  | <i>Sludge location SL-25</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-14</i>                         | <i>8-30-94</i> | <i>3:10</i>  | <i>Sludge location SL-14</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-03</i>                         | <i>8-30-94</i> | <i>3:15</i>  | <i>Sludge location SL-03</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-15</i>                         | <i>8-30-94</i> | <i>3:20</i>  | <i>Sludge location SL-15</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-12</i>                         | <i>8-30-94</i> | <i>2:35</i>  | <i>Sludge location SL-12</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-13</i>                         | <i>8-30-94</i> | <i>1:30</i>  | <i>Sludge location SL-13</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |
| <i>SL-01</i>                         | <i>8-30-94</i> | <i>1:29</i>  | <i>Sludge location SL-01</i>              | <i>1</i>          | <i>X</i>                                                                  |  |  |  |                                                       |         |

|                              |                      |                                         |                              |           |                          |
|------------------------------|----------------------|-----------------------------------------|------------------------------|-----------|--------------------------|
| Relinquished by: (Signature) | Date/Time            | Received by: (Signature)                | Relinquished by: (Signature) | Date/Time | Received by: (Signature) |
| <i>[Signature]</i>           | <i>8-30-94 14:00</i> | <i>VIA Fed EX</i>                       |                              |           |                          |
| 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 # mixed-contaminants, and soil VOC's for definition of*



REMEDATION TECHNOLOGIES  
 9 Pond Lane  
 Damonmill Square  
 Concord, MA 01742  
 (508) 371-1422  
 Fax# (508) 369-9279

0009

PINK COPY - Sampler

YELLOW COPY - Laboratory

WHITE COPY - RETEC



No. 069

CHAIN OF CUSTODY RECORD

E0901-09

| PROJ. NO.             |                   | PROJECT NAME     |                                   | NO. OF CONTAINERS | <p style="text-align: center;">TCL Pesticides<br/> <del>TEL</del><br/>                     Mixed-contaminant<br/>                     PCB's<br/>                     PAH's</p> |   |   |  |                 |
|-----------------------|-------------------|------------------|-----------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|--|-----------------|
| SAMPLERS:             |                   |                  |                                   |                   |                                                                                                                                                                                |   |   |  |                 |
| RECEIVING LABORATORY: |                   |                  |                                   |                   |                                                                                                                                                                                |   |   |  |                 |
| SAMPLE NO.            | DATE              | TIME             | SAMPLE LOCATION                   |                   |                                                                                                                                                                                |   |   |  | REMARKS         |
| <del>SL-08B</del>     | <del>9-8-94</del> | <del>9:00</del>  | <del>Sludge location SL-08B</del> | <del>1</del>      | <del>X</del>                                                                                                                                                                   |   |   |  |                 |
| ✓ SL-08B              | 9-8-94            | 9:00             | Sludge location SL-08B            | 1                 | X                                                                                                                                                                              |   |   |  | RUSH (Next Wed) |
| SL-08B                | 9-8-94            | 9:05             | SL-08B matrix spike               | 1                 | X                                                                                                                                                                              |   |   |  |                 |
| SL-08B                | 9-8-94            | 9:10             | SL-08B matrix spike duplicate     | 1                 | X                                                                                                                                                                              |   |   |  |                 |
| SL-12B                | 9-8-94            | 10:00            | Sludge location SL-12             | 1                 |                                                                                                                                                                                | X |   |  |                 |
| <del>SL-14B</del>     | <del>9-8-94</del> | <del>10:10</del> | <del>Sludge location SL-14</del>  | <del>1</del>      | <del>X</del>                                                                                                                                                                   |   |   |  |                 |
|                       |                   |                  | Tru Blank                         |                   |                                                                                                                                                                                | X |   |  |                 |
| ✓ SL-14B              | 9-8-94            | 10:10            | Sludge location SL-14             | 1                 |                                                                                                                                                                                |   | X |  |                 |

|                              |             |                          |                              |           |                          |
|------------------------------|-------------|--------------------------|------------------------------|-----------|--------------------------|
| Relinquished by: (Signature) | Date/Time   | Received by: (Signature) | Relinquished by: (Signature) | Date/Time | Received by: (Signature) |
| <i>[Signature]</i>           | 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 |
|                              |           | Hymn Smith                              | 9/9/94    |

REMARKS:



REMEDATION TECHNOLOGIES  
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0011

SAMPLE DATA SUMMARY

ANALYSIS DATA SHEETS  
VOLATILES

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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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.           |                              |       |            |   |

0015

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:

| CAS NO.  | COMPOUND                   | (ug/L or ug/Kg) | 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 |

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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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-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)

| CAS NO.  | COMPOUND                   | CONCENTRATION UNITS: |       | Q |
|----------|----------------------------|----------------------|-------|---|
|          |                            | (ug/L or ug/Kg)      | ug/Kg |   |
| 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-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:

| CAS NO.     | COMPOUND                   | (ug/L or ug/Kg) | 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

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/Kg  
(ug/L or 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. |            |               |    |            |   |



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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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 |

US  
US

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.  |            |               |      |            |   |
| 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. |            |               |      |            |   |

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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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 |

0024

1E  
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 |
| 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.           |                     |      |            |   |

0025

1A  
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Lab Name: <u>NEW ENGLAND TESTING</u>        | Contract: <u>G &amp; H RD/RA</u>                |
| Lab Code: <u>RI010</u>                      | Case No.: <u>E0831-02</u> SAS No.: _____        |
|                                             | SDG No.: <u>NETL18-1</u>                        |
| Matrix: (soil/water) <u>SOIL</u>            | Lab Sample ID: <u>SL-08 MS</u>                  |
| Sample wt/vol: <u>5.246</u> (g/mL) <u>g</u> | Lab File ID: <u>S0408</u>                       |
| Level: (low/med) <u>Low</u>                 | Date Received: <u>08/31/94</u>                  |
| % Moisture: not dec. <u>25</u>              | Date Analyzed: <u>09/04/94</u>                  |
| GC Column: <u>VOCOL</u>                     | ID: <u>0.75</u> (mm) Dilution Factor: <u>1X</u> |
| Soil Extract Volume: _____ (uL)             | Soil Aliquot Volume: _____ (uL)                 |

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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         |                 | 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 |

1A  
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:

| CAS NO.     | COMPOUND                   | (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         | 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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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 |

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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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            | 20.1            |       |   |
| 127-18-4- - - - - | Tetrachloroethene          | 1.8             |       |   |





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                 | Q |
| 108-95-2  | Phenol                       | 10 <sup>1</sup> U    |   |
| 111-44-4  | bis(2-Chloroethyl)ether      | 10 <sup>1</sup> U    |   |
| 95-57-8   | 2-Chlorophenol               | 10 <sup>1</sup> U    |   |
| 541-73-1  | 1,3-Dichlorobenzene          | 10 <sup>1</sup> U    |   |
| 6-46-7    | 1,4-Dichlorobenzene          | 10 <sup>1</sup> U    |   |
| 95-50-1   | 1,2-Dichlorobenzene          | 10 <sup>1</sup> U    |   |
| 95-48-7   | 2-Methylphenol               | 10 <sup>1</sup> U    |   |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10 <sup>1</sup> U    |   |
| 106-44-5  | 4-Methylphenol               | 10 <sup>1</sup> U    |   |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10 <sup>1</sup> U    |   |
| 167-72-1  | Hexachloroethane             | 10 <sup>1</sup> U    |   |
| 98-95-3   | Nitrobenzene                 | 10 <sup>1</sup> U    |   |
| 178-59-1  | Isophorone                   | 10 <sup>1</sup> U    |   |
| 88-75-5   | 2-Nitrophenol                | 10 <sup>1</sup> U    |   |
| 105-67-9  | 2,4-Dimethylphenol           | 10 <sup>1</sup> U    |   |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10 <sup>1</sup> U    |   |
| 120-83-2  | 2,4-Dichlorophenol           | 10 <sup>1</sup> U    |   |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10 <sup>1</sup> U    |   |
| 91-20-3   | Naphthalene                  | 10 <sup>1</sup> U    |   |
| 106-47-8  | 4-Chloroaniline              | 10 <sup>1</sup> U    |   |
| 87-68-3   | Hexachlorobutadiene          | 10 <sup>1</sup> U    |   |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10 <sup>1</sup> U    |   |
| 91-57-6   | 2-Methylnaphthalene          | 10 <sup>1</sup> U    |   |
| 177-47-4  | Hexachlorocyclopentadiene    | 10 <sup>1</sup> U    |   |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10 <sup>1</sup> U    |   |
| 195-95-4  | 2,4,5-Trichlorophenol        | 25 <sup>1</sup> U    |   |
| 91-58-7   | 2-Chloronaphthalene          | 10 <sup>1</sup> U    |   |
| 188-74-4  | 2-Nitroaniline               | 25 <sup>1</sup> U    |   |
| 131-11-3  | Dimethylphthalate            | 10 <sup>1</sup> U    |   |
| 1208-96-8 | Acenaphthylene               | 10 <sup>1</sup> U    |   |
| 606-20-2  | 2,6-Dinitrotoluene           | 10 <sup>1</sup> U    |   |
| 09-2      | 3-Nitroaniline               | 25 <sup>1</sup> U    |   |
| 83-32-9   | Acenaphthene                 | 10 <sup>1</sup> 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 | U | 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 | U | 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 |            | 89J |
| 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.         |               |      |            |     |

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:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|----------|------------------------|-----------------------------------------|-------|---|
| 156-55-3 | 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 |
| 120-32-8 | Benzo(a)pyrene         |                                         | 39    | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                                         | 39    | U |
| 153-70-3 | 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

|          |                        |  |      |
|----------|------------------------|--|------|
| 156-55-3 | Benzo(a)anthracene     |  | 39IU |
| 218-01-9 | Chrysene               |  | 39IU |
| 205-99-2 | Benzo(b)fluoranthene   |  | 39I  |
| 7-08-9   | Benzo(k)fluoranthene   |  | 39IU |
| 150-32-8 | Benzo(a)pyrene         |  | 39IU |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |  | 39IU |
| 153-70-3 | Dibenz(a,h)anthracene  |  | 39IU |
|          |                        |  |      |

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

|           |                        |    |   |
|-----------|------------------------|----|---|
| 156-55-3  | Benzo(a)anthracene     | 36 | U |
| 1218-01-9 | Chrysene               | 36 | U |
| 1205-99-2 | Benzo(b)fluoranthene   | 38 | I |
| 107-08-9  | Benzo(k)fluoranthene   | 36 | U |
| 100-32-8  | Benzo(a)pyrene         | 36 | I |
| 193-39-5  | Indeno(1,2,3-cd)pyrene | 27 | J |
| 153-70-3  | 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

|          |                        |    |   |
|----------|------------------------|----|---|
| 156-55-3 | Benzo(a)anthracene     | 36 | U |
| 218-01-9 | Chrysene               | 36 | U |
| 155-99-2 | Benzo(b)fluoranthene   | 57 | I |
| 177-08-9 | Benzo(k)fluoranthene   | 36 | U |
| 150-32-8 | Benzo(a)pyrene         | 28 | I |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 36 | U |
| 153-70-3 | 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:<br>(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 |
| 167-72-1  | Hexachloroethane             |                                         | 225   | U |
| 98-95-3   | Nitrobenzene                 |                                         | 225   | U |
| 178-59-1  | 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 |
| 195-95-4  | 2,4,5-Trichlorophenol        |                                         | 561   | U |
| 91-58-7   | 2-Chloronaphthalene          |                                         | 225   | U |
| 188-74-4  | 2-Nitroaniline               |                                         | 561   | U |
| 131-11-3  | Dimethylphthalate            |                                         | 225   | U |
| 1208-96-8 | Acenaphthylene               |                                         | 225   | U |
| 606-20-2  | 2,6-Dinitrotoluene           |                                         | 225   | U |
| 9-09-2    | 3-Nitroaniline               |                                         | 561   | U |
| 33-32-9   | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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    |
| 1466-2    | Diethylphthalate           | 225 | U    |
| 105-72-3  | 4-chlorophenyl-phenylether | 225 | U    |
| 186-73-7  | Fluorene                   | 225 | U    |
| 100-01-6  | 4-Nitroaniline             | 561 | U    |
| 1534-52-1 | 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    |
| 187-86-5  | Pentachlorophenol          | 561 | U    |
| 85-01-8   | Phenanthrene               | 225 | U    |
| 120-12-7  | Anthracene                 | 225 | U    |
| 86-74-8   | Carbazole                  | 225 | U    |
| 184-74-2  | Di-n-butylphthalate        | 225 | B    |
| 206-44-0  | Fluoranthene               | 225 | U    |
| 129-00-0  | Pyrene                     | 136 | J 5  |
| 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 U |
| 117-84-0  | Di-n-octylphthalate        | 225 | U    |
| 205-99-2  | Benzo(b)fluoranthene       | 153 |      |
| 207-08-9  | Benzo(k)fluoranthene       | 71  |      |
| 150-32-8  | Benzo(a)pyrene             | 70  |      |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 55  |      |
| 153-70-3  | Dibenz(a,h)anthracene      | 34  | U    |
| 191-24-2  | Benzo(g,h,i)perylene       | 73  | J ✓  |

- 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 <sub>1</sub> J  |
| 2.         | UNKNOWN HYDROCARBON   | 7.12  |            | 853 <sub>1</sub> J |
| 3.         | UNKNOWN HYDROCARBON   | 9.83  |            | 108 <sub>1</sub> J |
| 4.         | UNKNOWN ALKYL ALCOHOL | 10.33 |            | 63 <sub>1</sub> J  |
| 5.         | UNKNOWN ALKYL ALCOHOL | 10.85 |            | 90 <sub>1</sub> J  |
| 6.         | UNKNOWN ALKYL ALCOHOL | 12.01 |            | 314 <sub>1</sub> J |
| 7.         | UNKNOWN HYDROCARBON   | 12.37 |            | 101 <sub>1</sub> J |
| 8.         | UNKNOWN HYDROCARBON   | 21.10 |            | 222 <sub>1</sub> J |
| 9.         | UNKNOWN HYDROCARBON   | 23.05 |            | 58 <sub>1</sub> J  |
| 10.        | UNKNOWN HYDROCARBON   | 23.69 |            | 56 <sub>1</sub> J  |
| 11.        | UNKNOWN HYDROCARBON   | 25.20 |            | 83 <sub>1</sub> J  |
| 12.        | UNKNOWN HYDROCARBON   | 25.38 |            | 247 <sub>1</sub> J |
| 13.        | UNKNOWN HYDROCARBON   | 29.23 |            | 472 <sub>1</sub> J |
| 14.        | UNKNOWN HYDROCARBON   | 30.65 |            | 404 <sub>1</sub> J |
| 15.        | UNKNOWN HYDROCARBON   | 31.87 |            | 247 <sub>1</sub> J |
| 16.        | UNKNOWN HYDROCARBON   | 33.75 |            | 108 <sub>1</sub> J |
| 17.        | UNKNOWN HYDROCARBON   | 35.02 |            | 337 <sub>1</sub> J |
| 18.        | UNKNOWN HYDROCARBON   | 36.71 |            | 269 <sub>1</sub> J |
| 19.        | UNKNOWN HYDROCARBON   | 37.51 |            | 90 <sub>1</sub> J  |
| 20.        | UNKNOWN HYDROCARBON   | 42.81 |            | 115 <sub>1</sub> J |
| 21.        |                       |       |            |                    |
| 22.        |                       |       |            |                    |
| 23.        |                       |       |            |                    |
| 24.        |                       |       |            |                    |
| 25.        |                       |       |            |                    |
| 26.        |                       |       |            |                    |
| 27.        |                       |       |            |                    |
| 28.        |                       |       |            |                    |
| 29.        |                       |       |            |                    |
| 30.        |                       |       |            |                    |

1B  
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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 117-73-1 | 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 |
| 908-96-8 | Acenaphthylene               | 225 | U |
| 96-20-2  | 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

CONCENTRATION UNITS:

(ug/L or ug/Kg)

ug/Kg

Q

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | ug/Kg | Q  |
|-----------|----------------------------|-----------------------------------------|-------|----|
| 151-28-5  | 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  |
| 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    |    |
| 150-32-8  | Benzo(a)pyrene             |                                         | 77    |    |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     |                                         | 54    |    |
| 153-70-3  | 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

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS: | (ug/L or ug/Kg) | Q |
|----------|------------------------|----------------------|-----------------|---|
| 156-55-3 | Benzo(a)anthracene     |                      | 40              |   |
| 218-01-9 | Chrysene               |                      | 56              |   |
| 205-99-2 | Benzo(b)fluoranthene   |                      | 74              |   |
| 207-08-9 | Benzo(k)fluoranthene   |                      | 34              | U |
| 207-32-8 | Benzo(a)pyrene         |                      | 41              |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                      | 34              | U |
| 153-70-3 | 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 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 |
| 95-50-1   | 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 |
| 167-72-1  | Hexachloroethane             | 239 | U |
| 98-95-3   | Nitrobenzene                 | 239 | U |
| 178-59-1  | 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 |
| 195-95-4  | 2,4,5-Trichlorophenol        | 596 | U |
| 91-58-7   | 2-Chloronaphthalene          | 239 | U |
| 188-74-4  | 2-Nitroaniline               | 596 | U |
| 131-11-3  | Dimethylphthalate            | 239 | U |
| 1208-96-8 | 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:<br>(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   |
| 91-14-2   | 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 ✓ |
| 1206-44-0 | Fluoranthene               |                                         | 239   | U   |
| 129-00-0  | Pyrene                     |                                         | 239   | U   |
| 85-68-7   | Butylbenzylphthalate       |                                         | 239   | U   |
| 91-94-1   | 3,3'-Dichlorobenzidine     |                                         | 239   | U   |
| 156-55-3  | Benzo(a)anthracene         |                                         | 36    | U   |
| 218-01-9  | Chrysene                   |                                         | 36    | U   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate |                                         | 239   | B ✓ |
| 117-84-0  | Di-n-octylphthalate        |                                         | 239   | U   |
| 1205-99-2 | Benzo(b)fluoranthene       |                                         | 36    | U   |
| 207-08-9  | Benzo(k)fluoranthene       |                                         | 36    | U   |
| 150-32-8  | Benzo(a)pyrene             |                                         | 36    | U   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     |                                         | 36    | U   |
| 153-70-3  | 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 <sub>1</sub> J |
| 2.         | UNKNOWN HYDROCARBON                  | 5.66  |            | 57 <sub>1</sub> J  |
| 3.         | UNKNOWN HYDROCARBON                  | 7.15  |            | 982 <sub>1</sub> J |
| 4.         | UNKNOWN HYDROCARBON                  | 9.03  |            | 249 <sub>1</sub> J |
| 5.         | UNKNOWN HYDROCARBON                  | 9.40  |            | 460 <sub>1</sub> J |
| 6.         | TRIMETHYL-SUBSTITUTED ALKANE         | 9.55  |            | 390 <sub>1</sub> J |
| 7.         | UNKNOWN ALKYL OXIDE                  | 9.83  |            | 50 <sub>1</sub> J  |
| 8.         | UNKNOWN HYDROCARBON                  | 10.87 |            | 390 <sub>1</sub> J |
| 9.         | UNKNOWN HYDROCARBON                  | 11.25 |            | 89 <sub>1</sub> J  |
| 10.        | UNKNOWN HYDROCARBON                  | 12.39 |            | 477 <sub>1</sub> J |
| 11.        | UNKNOWN HYDROCARBON                  | 21.10 |            | 172 <sub>1</sub> J |
| 12.        | 57103 <sub>1</sub> HEXADECANOIC ACID | 25.36 |            | 335 <sub>1</sub> J |
| 13.        | UNKNOWN ALKYL ESTER                  | 27.46 |            | 53 <sub>1</sub> J  |
| 14.        | UNKNOWN CARBOXYLIC ACID              | 30.24 |            | 50 <sub>1</sub> J  |
| 15.        | UNKNOWN ALKYL ALCOHOL                | 31.92 |            | 443 <sub>1</sub> J |
| 16.        | UNKNOWN ALKYL ALCOHOL                | 36.15 |            | 213 <sub>1</sub> J |
| 17.        | UNKNOWN HYDROCARBON                  | 42.35 |            | 101 <sub>1</sub> J |
| 18.        |                                      |       |            |                    |
| 19.        |                                      |       |            |                    |
| 20.        |                                      |       |            |                    |
| 21.        |                                      |       |            |                    |
| 22.        |                                      |       |            |                    |
| 23.        |                                      |       |            |                    |
| 24.        |                                      |       |            |                    |
| 25.        |                                      |       |            |                    |
| 26.        |                                      |       |            |                    |
| 27.        |                                      |       |            |                    |
| 28.        |                                      |       |            |                    |
| 29.        |                                      |       |            |                    |
| 30.        |                                      |       |            |                    |

1B  
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/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 |
| 96-46-7   | 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 |
| 167-72-1  | 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 |
| 1208-96-8 | Acenaphthylene               | 268 | U |
| 606-20-2  | 2,6-Dinitrotoluene           | 268 | U |
| 9-09-2    | 3-Nitroaniline               | 670 | U |
| 83-32-9   | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1005-72-3 | 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  | I |
| 218-01-9  | Chrysene                   | 66  | I |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 428 | B |
| 117-84-0  | Di-n-octylphthalate        | 268 | U |
| 205-99-2  | Benzo(b)fluoranthene       | 91  | I |
| 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

CONCENTRATION UNITS:

Number TICs found: 20

(ug/L or ug/Kg)

ug/Kg

| CAS NUMBER    | COMPOUND NAME                     | RT    | EST. CONC. | Q                 |
|---------------|-----------------------------------|-------|------------|-------------------|
| 1.            | UNKNOWN AROMATIC HYDROCARBON      | 23.37 |            | 536 <sub>J</sub>  |
| 2.            | UNKNOWN HYDROCARBON               | 23.42 |            | 509 <sub>J</sub>  |
| 3.            | UNKNOWN HYDROCARBON               | 25.11 |            | 2038 <sub>J</sub> |
| 4. 57-10-3    | HEXADECANOIC ACID                 | 25.40 |            | 938 <sub>J</sub>  |
| 5. 76-44-8    | HEPTACHLOR                        | 25.59 |            | 2360 <sub>J</sub> |
| 6.            | UNKNOWN HALOGENATED HYDROCARBON   | 26.21 |            | 1287 <sub>J</sub> |
| 7.            | UNKNOWN HALOGENATED HYDROCARBON   | 26.46 |            | 804 <sub>J</sub>  |
| 8. 629-73-2   | HEXADECENE                        | 26.80 |            | 2789 <sub>J</sub> |
| 9.            | UNKNOWN HALOGENATED HYDROCARBON   | 27.00 |            | 1180 <sub>J</sub> |
| 10.           | UNKNOWN HALOGENATED HYDROCARBON   | 27.60 |            | 992 <sub>J</sub>  |
| 11.           | UNKNOWN HALOGENATED HYDROCARBON   | 27.73 |            | 885 <sub>J</sub>  |
| 12. 5103-74-2 | GAMMA-CHLORDANE                   | 27.80 |            | 670 <sub>J</sub>  |
| 13. 5103-71-9 | ALPHA-CHLORDANE                   | 28.12 |            | 3325 <sub>J</sub> |
| 14.           | UNKNOWN HALOGENATED HYDROCARBON   | 29.84 |            | 1877 <sub>J</sub> |
| 15.           | UNKOWN HALOGENATED AROMATIC       | 30.45 |            | 3164 <sub>J</sub> |
| 16.           | UNKWOWN ALKYL ALCOHOL             | 31.93 |            | 2172 <sub>J</sub> |
| 17.           | UNKWOWN ALKYL ALCOHOL             | 36.16 |            | 2654 <sub>J</sub> |
| 18.           | UNKNOWN HYDROCARBON               | 42.40 |            | 2923 <sub>J</sub> |
| 19. 70-30-4   | HEXACHLOROPHENE                   | 42.83 |            | 3459 <sub>J</sub> |
| 20. 3234-84-2 | DODECANOIC ACID, OCTADELCYL ESTER | 56.36 |            | 2896 <sub>J</sub> |
| 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 106-46-7 | 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:

CAS NO. COMPOUND (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   |
| 91-14-2   | 2,4-Dinitrotoluene         | 268 | U   |
| 84-66-2   | 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   |
| 186-30-6  | 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   |
| 185-01-8  | Phenanthrene               | 83  | J   |
| 120-12-7  | Anthracene                 | 268 | U   |
| 186-74-8  | Carbazole                  | 268 | U   |
| 84-74-2   | Di-n-butylphthalate        | 268 | U   |
| 1206-44-0 | Fluoranthene               | 93  | J   |
| 129-00-0  | Pyrene                     | 165 | J   |
| 185-68-7  | Butylbenzylphthalate       | 268 | U   |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 268 | U   |
| 156-55-3  | 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

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) 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 |   |
| 167-72-1  | 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 |
| 188-74-4  | 2-Nitroaniline               | 674  | U |
| 131-11-3  | Dimethylphthalate            | 270  | U |
| 1208-96-8 | Acenaphthylene               | 270  | U |
| 606-20-2  | 2,6-Dinitrotoluene           | 270  | U |
| 9-09-2    | 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:<br>(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:<br>(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  |   |
| 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   |                                         | 1070  |   |
| 167-72-1  | Hexachloroethane             |                                         | 270   | U |
| 98-95-3   | Nitrobenzene                 |                                         | 270   | U |
| 178-59-1  | 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 |
| 177-47-4  | Hexachlorocyclopentadiene    |                                         | 62    | J |
| 88-06-2   | 2,4,6-Trichlorophenol        |                                         | 270   | U |
| 195-95-4  | 2,4,5-Trichlorophenol        |                                         | 30    | J |
| 91-58-7   | 2-Chloronaphthalene          |                                         | 270   | U |
| 188-74-4  | 2-Nitroaniline               |                                         | 674   | U |
| 131-11-3  | Dimethylphthalate            |                                         | 270   | U |
| 1208-96-8 | 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 |
| 1005-72-3 | 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

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg Q

|          |                        |  |                   |
|----------|------------------------|--|-------------------|
| 56-55-3  | Benzo(a)anthracene     |  | 45 <sub>1</sub> U |
| 218-01-9 | Chrysene               |  | 45 <sub>1</sub> U |
| 205-99-2 | Benzo(b)fluoranthene   |  | 35 <sub>1</sub> J |
| 07-08-9  | Benzo(k)fluoranthene   |  | 45 <sub>1</sub> U |
| 0-32-8   | Benzo(a)pyrene         |  | 45 <sub>1</sub> U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |  | 45 <sub>1</sub> U |
| 153-70-3 | Dibenz(a,h)anthracene  |  | 45 <sub>1</sub> 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:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|----------|------------------------|-----------------------------------------|-------|---|
| 156-55-3 | Benzo(a)anthracene     |                                         | 301   |   |
| 218-01-9 | Chrysene               |                                         | 593   |   |
| 205-99-2 | Benzo(b)fluoranthene   |                                         | 386   |   |
| 17-08-9  | Benzo(k)fluoranthene   |                                         | 156   |   |
| 125-32-8 | Benzo(a)pyrene         |                                         | 304   |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                                         | 190   |   |
| 153-70-3 | Dibenz(a,h)anthracene  |                                         | 351   |   |

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

|          |                        |     |   |
|----------|------------------------|-----|---|
| 156-55-3 | Benzo(a)anthracene     | 310 |   |
| 218-01-9 | Chrysene               | 644 |   |
| 205-99-2 | Benzo(b)fluoranthene   | 482 |   |
| 207-08-9 | Benzo(k)fluoranthene   | 206 |   |
| 150-32-8 | Benzo(a)pyrene         | 326 |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 180 |   |
| 153-70-3 | Dibenz(a,h)anthracene  | 351 | 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

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS: | (ug/L or ug/Kg) | ug/Kg | Q |
|----------|------------------------|----------------------|-----------------|-------|---|
| 156-55-3 | Benzo(a)anthracene     |                      |                 | 41    |   |
| 218-01-9 | Chrysene               |                      |                 | 76    |   |
| 205-99-2 | Benzo(b)fluoranthene   |                      |                 | 96    |   |
| 17-08-9  | Benzo(k)fluoranthene   |                      |                 | 31    |   |
| 120-32-8 | Benzo(a)pyrene         |                      |                 | 58    |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                      |                 | 36    | U |
| 153-70-3 | 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

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg Q

| CAS NO.   | COMPOUND               | CONCENTRATION UNITS: (ug/L or ug/Kg) | ug/Kg | Q |
|-----------|------------------------|--------------------------------------|-------|---|
| 156-55-3  | Benzo(a)anthracene     |                                      | 47    |   |
| 1218-01-9 | Chrysene               |                                      | 61    |   |
| 1205-99-2 | Benzo(b)fluoranthene   |                                      | 104   |   |
| 197-08-9  | Benzo(k)fluoranthene   |                                      | 35    | J |
| 100-32-8  | Benzo(a)pyrene         |                                      | 46    |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene |                                      | 27    | J |
| 153-70-3  | 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/Kg Q

(ug/L or ug/Kg)

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS: | Q    |
|----------|------------------------|----------------------|------|
|          |                        | (ug/L or ug/Kg)      |      |
| 156-55-3 | Benzo(a)anthracene     |                      | 49   |
| 218-01-9 | Chrysene               |                      | 59   |
| 205-99-2 | Benzo(b)fluoranthene   |                      | 104  |
| 7-08-9   | Benzo(k)fluoranthene   |                      | 41   |
| 150-32-8 | Benzo(a)pyrene         |                      | 47   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                      | 39 U |
| 153-70-3 | 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

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg Q

|          |                        |     |   |
|----------|------------------------|-----|---|
| 156-55-3 | Benzo(a)anthracene     | 46  |   |
| 218-01-9 | Chrysene               | 57  |   |
| 205-99-2 | Benzo(b)fluoranthene   | 110 |   |
| 207-08-9 | Benzo(k)fluoranthene   | 33  |   |
| 200-32-8 | Benzo(a)pyrene         | 51  |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 26  |   |
| 153-70-3 | 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:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|-----------|------------------------|-----------------------------------------|-------|---|
| 156-55-3  | Benzo(a)anthracene     |                                         | 461   |   |
| 218-01-9  | Chrysene               |                                         | 461   |   |
| 1205-99-2 | Benzo(b)fluoranthene   |                                         | 971   |   |
| 17-08-9   | Benzo(k)fluoranthene   |                                         | 451   |   |
| 150-32-8  | Benzo(a)pyrene         |                                         | 411   |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene |                                         | 371U  |   |
| 153-70-3  | Dibenz(a,h)anthracene  |                                         | 371U  |   |

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

|           |                        |     |   |
|-----------|------------------------|-----|---|
| 156-55-3  | Benzo(a)anthracene     | 33  | U |
| 1218-01-9 | Chrysene               | 124 |   |
| 1205-99-2 | Benzo(b)fluoranthene   | 33  | U |
| 1207-08-9 | Benzo(k)fluoranthene   | 33  | U |
| 1032-8    | Benzo(a)pyrene         | 33  | U |
| 1193-39-5 | Indeno(1,2,3-cd)pyrene | 33  | U |
| 153-70-3  | 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

|          |                        |      |  |
|----------|------------------------|------|--|
| 156-55-3 | Benzo(a)anthracene     | 33IU |  |
| 218-01-9 | Chrysene               | 136  |  |
| 205-99-2 | Benzo(b)fluoranthene   | 33IU |  |
| 207-08-9 | Benzo(k)fluoranthene   | 33IU |  |
| 150-32-8 | Benzo(a)pyrene         | 33IU |  |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 33IU |  |
| 153-70-3 | Dibenz(a,h)anthracene  | 33IU |  |

0070

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:<br>(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   |   |
| 17-08-9  | Benzo(k)fluoranthene   |                                         | 182   |   |
| 0-32-8   | Benzo(a)pyrene         |                                         | 234   |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                                         | 154   |   |
| 53-70-3  | Dibenz(a,h)anthracene  |                                         | 351   |   |

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:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|-----------|------------------------|-----------------------------------------|-------|---|
| 156-55-3  | Benzo(a)anthracene     |                                         | 114   |   |
| 218-01-9  | Chrysene               |                                         | 488   |   |
| 1205-99-2 | Benzo(b)fluoranthene   |                                         | 445   |   |
| 17-08-9   | Benzo(k)fluoranthene   |                                         | 171   |   |
| 150-32-8  | Benzo(a)pyrene         |                                         | 234   |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene |                                         | 151   |   |
| 153-70-3  | Dibenz(a,h)anthracene  |                                         | 351U  |   |

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

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

|            |                     |      |   |      |
|------------|---------------------|------|---|------|
| 319-84-6   | alpha-BHC           | 0.05 | U | Σ    |
| 319-85-7   | beta-BHC            | 0.05 | U |      |
| 319-86-8   | delta-BHC           | 0.05 | U | Σ    |
| 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 | Σ    |
| 72-43-5    | Methoxychlor        | 0.50 | U | Σ    |
| 53494-70-5 | Endrin ketone       | 0.10 | U |      |
| 7421-36-3  | Endrin aldehyde     | 0.10 | U |      |
| 5103-71-9  | alpha-Chlordane     | 0.03 | U | PJ K |
| 5103-74-2  | gamma-Chlordane     | 0.06 | U | 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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 4.8 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |

FORM I PEST

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

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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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

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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  
9/6/94

Injection Volume: 2 (uL)

Dilution Factor: 50  
50

GPC Cleanup: (Y/N) y

pH: 5.2

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS | 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  |

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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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

|            |                     |       |   |   |
|------------|---------------------|-------|---|---|
| 319-84-6   | alpha-BHC           | 1.7   | U | S |
| 319-85-7   | beta-BHC            | 1.7   | U |   |
| 319-86-8   | delta-BHC           | 1.7   | U | S |
| 58-89-9    | gamma-BHC (Lindane) | 1.7   | U | S |
| 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   | U | S |
| 72-55-9    | 4,4'-DDE            | 3.1   | J | P |
| 72-20-8    | Endrin              | 3.4   | U | S |
| 33213-65-9 | Endosulfan II       | 3.4   | U | S |
| 72-54-8    | 4,4'-DDD            | 3.9   | P |   |
| 1031-07-8  | Endosulfan sulfate  | 3.4   | U | S |
| 50-29-3    | 4,4'-DDT            | 5.6   | J | S |
| 72-43-5    | Methoxychlor        | 17.1  | U | S |
| 53494-70-5 | Endrin ketone       | 3.4   | U | S |
| 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 |   |

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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: 1000

GPC Cleanup: (Y/N) y

pH: 4.6

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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   |

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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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  |
| 111104-28-2 | 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  |

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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

Injection Volume: 2 (uL) Dilution Factor: 200

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

|            |                     |       |    |   |
|------------|---------------------|-------|----|---|
| 319-84-6   | alpha-BHC           | 362   | UD | 5 |
| 319-85-7   | beta-BHC            | 362   | UD |   |
| 319-86-8   | delta-BHC           | 362   | UD | 5 |
| 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 | 5 |
| 959-98-8   | Endosulfan I        | 362   | UD |   |
| 60-57-1    | Dieldrin            | 723   | UD |   |
| 72-55-9    | 4,4'-DDE            | 723   | UD | 5 |
| 72-20-8    | Endrin              | 723   | UD |   |
| 33213-65-9 | Endosulfan II       | 723   | UD | 5 |
| 72-54-8    | 4,4'-DDD            | 723   | UD |   |
| 1031-07-8  | Endosulfan sulfate  | 723   | UD | 5 |
| 50-29-3    | 4,4'-DDT            | 723   | UD | 5 |
| 72-43-5    | Methoxychlor        | 3617  | UD | 5 |
| 53494-70-5 | Endrin ketone       | 723   | UD | 5 |
| 7421-36-3  | Endrin aldehyde     | 723   | UD | 5 |
| 5103-71-9  | alpha-Chlordane     | 2210  | DP |   |
| 5103-74-2  | gamma-Chlordane     | 1996  | DP | 5 |
| 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 |   |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS: | 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 |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS:<br>(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 |

FORM I PEST

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

| CAS NO.    | COMPOUND        | CONCENTRATION | UNIT |
|------------|-----------------|---------------|------|
| 0-29-3     | 4,4'-DDT        | 179.0         | DP   |
| 5103-71-9  | alpha-Chlordane | 103.0         | DP   |
| 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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 5.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |

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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

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.

COMPOUND

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|-----------------|-----------------------------------------|-------|---|
| 0-29-3     | 4,4'-DDT        |                                         | 32.3  | P |
| 5103-71-9  | alpha-Chlordane |                                         | 26.5  | I |
| 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

Injection Volume: 2 (uL) Dilution Factor: 5

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

2674-11-2 ----- Aroclor-1016  
11104-28-2 ----- Aroclor-1221  
11141-16-5 ----- Aroclor-1232  
153469-21-9 ----- Aroclor-1242  
12672-29-6 ----- Aroclor-1248  
11097-69-1 ----- Aroclor-1254  
11096-82-5 ----- Aroclor-1260

37.5|U  
74.9|U  
37.5|U  
37.5|U  
37.5|U  
37.5|U  
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  | PS |
| 5103-74-2  | gamma-Chlordane | 12.1 | PS |
| 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  |

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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

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.

COMPOUND

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q  |
|------------|-----------------|-----------------------------------------|-------|----|
| 5009-29-3  | 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  |

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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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

FORM I PEST

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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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-110)  
 (86-115)  
 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing  
 Lab Code: RI010 Case No.: E0831-02

Contract: G & H RD\RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL18-1

|    | EPA<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-138)  
 (59-113)  
 (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<br>SAMPLE<br>NO. | S1    |   | S2    |   | S3    |   | S4    |   | S5    |   | S6    |   | S7    |   | S8    |   | TOT<br>OUT |
|----|----------------------|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|-------|---|------------|
|    |                      | (NBZ) | # | (FBP) | # | (TPH) | # | (PHL) | # | (2FP) | # | (TBP) | # | (2CP) | # | (DCB) | # |            |
| 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 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 15 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 16 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 17 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 18 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 19 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 20 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 21 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 22 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 23 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 24 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 25 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 26 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 27 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 28 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 29 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |
| 30 |                      |       |   |       |   |       |   |       |   |       |   |       |   |       |   |       |   |            |

- |                                   |           |            |
|-----------------------------------|-----------|------------|
| S1 (NBZ) = Nitrobenzene-d5        | QC LIMITS |            |
| S2 (FBP) = 2-Fluorobiphenyl       | (35-114)  |            |
| S3 (TPH) = Terphenyl-d14          | (43-116)  |            |
| S4 (PHL) = Phenol-d5              | (33-141)  |            |
| S5 (2FP) = 2-Fluorophenol         | (10-110)  |            |
| S6 (TBP) = 2,4,6-Tribromophenol   | (21-110)  |            |
| S7 (2CP) = 2-Chlorophenol-d4      | (10-123)  |            |
| S8 (DCB) = 1,2-Dichlorobenzene-d4 | (33-110)  | (advisory) |
|                                   | (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<br>SAMPLE<br>NO. | S1<br>(NBZ)<br># | S2<br>(FBP)<br># | S3<br>(TPH)<br># | S4<br>(PHL)<br># | S5<br>(2FP)<br># | S6<br>(TBP)<br># | S7<br>(2CP)<br># | S8<br>(DCB)<br># | TOT<br>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                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 21                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 22                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 23                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 24                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 25                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 26                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 27                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 28                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 29                   |                  |                  |                  |                  |                  |                  |                  |                  |            |
| 30                   |                  |                  |                  |                  |                  |                  |                  |                  |            |

- |                                   |           |            |
|-----------------------------------|-----------|------------|
| S1 (NBZ) = Nitrobenzene-d5        | QC LIMITS |            |
| S2 (FBP) = 2-Fluorobiphenyl       | (23-120)  |            |
| S3 (TPH) = Terphenyl-d14          | (30-115)  |            |
| S4 (PHL) = Phenol-d5              | (18-137)  |            |
| S5 (2FP) = 2-Fluorophenol         | (24-113)  |            |
| S6 (TBP) = 2,4,6-Tribromophenol   | (25-121)  |            |
| S7 (2CP) = 2-Chlorophenol-d4      | (19-122)  | (advisory) |
| S8 (DCB) = 1,2-Dichlorobenzene-d4 | (20-130)  | (advisory) |
|                                   | (20-130)  |            |

# 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<br>SAMPLE<br>NO. | TCX 1<br>%REC | #   | TCX 2<br>%REC | # | DCB 1<br>%REC | # | DCB 2<br>%REC | # | OTHER<br>(1) | OTHER<br>(2) | TOT<br>OUT |
|----------------------|---------------|-----|---------------|---|---------------|---|---------------|---|--------------|--------------|------------|
| 01                   | FB            | 136 | 96            |   | 70            |   | 69            |   |              |              | 0          |
| 02                   | PBLK02W       | 54  | 86            |   | 37            |   | 75            |   |              |              | 2          |
| 03                   |               |     |               |   |               |   |               |   |              |              |            |
| 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                   |               |     |               |   |               |   |               |   |              |              |            |

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

ADVISORY  
QC LIMITS  
(60-150)  
(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 SL05        | 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             |            |   |            |   |            |   |            |   |           |           |         |

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

ADVISORY  
QC LIMITS  
(60-150)  
(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

## SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD\RALab Code: RI010 Case No.: E0831-02 SAS No.: \_\_\_\_\_ SDG No.: NETL18-1Matrix Spike - EPA Sample No.: SL-08

| COMPOUND           | SPIKE<br>ADDED<br>(ug/Kg) | SAMPLE<br>CONCENTRATION<br>(ug/Kg) | MS<br>CONCENTRATION<br>(ug/Kg) | MS<br>%<br>REC | QC.<br>LIMITS<br>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<br>ADDED<br>(ug/Kg) | MSD<br>CONCENTRATION<br>(ug/Kg) | MSD<br>%<br>REC | %<br>RPD | QC LIMITS<br>RPD | 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 |                |               |             |               |
| 13 |                |               |             |               |
| 14 |                |               |             |               |
| 15 |                |               |             |               |
| 16 |                |               |             |               |
| 17 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

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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 RPD | 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

## SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Laboratory, IncContract: NETL 18-1Lab 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 | 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: 26 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 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

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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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | TIME<br>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 |                   |                  |                |                  |
| 20 |                   |                  |                |                  |
| 21 |                   |                  |                |                  |
| 22 |                   |                  |                |                  |
| 23 |                   |                  |                |                  |
| 24 |                   |                  |                |                  |
| 25 |                   |                  |                |                  |
| 26 |                   |                  |                |                  |
| 27 |                   |                  |                |                  |
| 28 |                   |                  |                |                  |
| 29 |                   |                  |                |                  |
| 30 |                   |                  |                |                  |

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)

| CAS NO.  | COMPOUND                   | CONCENTRATION UNITS: |       | Q |
|----------|----------------------------|----------------------|-------|---|
|          |                            | (ug/L or ug/Kg)      | ug/Kg |   |
| 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:

| CAS NO.     | COMPOUND                   | (ug/L or ug/Kg) | 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/Kg  
 (ug/L or 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.           |                             |      |            |   |
| 16.           |                             |      |            |   |
| 17.           |                             |      |            |   |
| 18.           |                             |      |            |   |
| 19.           |                             |      |            |   |
| 20.           |                             |      |            |   |
| 21.           |                             |      |            |   |
| 22.           |                             |      |            |   |
| 23.           |                             |      |            |   |
| 24.           |                             |      |            |   |
| 25.           |                             |      |            |   |
| 26.           |                             |      |            |   |
| 27.           |                             |      |            |   |
| 28.           |                             |      |            |   |
| 29.           |                             |      |            |   |
| 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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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.           |               |      |            |   |
| 21.           |               |      |            |   |
| 22.           |               |      |            |   |
| 23.           |               |      |            |   |
| 24.           |               |      |            |   |
| 25.           |               |      |            |   |
| 26.           |               |      |            |   |
| 27.           |               |      |            |   |
| 28.           |               |      |            |   |
| 29.           |               |      |            |   |
| 30.           |               |      |            |   |

SEMIVOLATILES

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: NEW ENGLAND TESTING LABORATORY

Contract: G&H RIFS

SBLKS1

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| 01                | SL-01            | >U0318         | 09/06/94         |
| 02                | SL-03            | >U0804         | 09/08/94         |
| 03                | SL-04            | >U0310         | 09/05/94         |
| 04                | SL-05            | >U0903         | 09/06/94         |
| 05                | SL-6/7           | >U0314         | 09/06/94         |
| 06                | SL-08            | >U0315         | 09/06/94         |
| 07                | SL-08 MS         | >U0316         | 09/06/94         |
| 08                | SL-08 MSD        | >U0317         | 09/06/94         |
| 09                | SL-10/11         | >U0904         | 09/06/94         |
| 10                | SL-12            | >U0322         | 09/06/94         |
| 11                | SL-12B           | >U1302         | 09/13/94         |
| 12                | SL-13            | >U0805         | 09/08/94         |
| 13                | SL-14            | >U0806         | 09/08/94         |
| 14                | SL-15            | >U0802         | 09/08/94         |
| 15                | SL-25            | >U0803         | 09/08/94         |
| 16                |                  |                |                  |
| 17                |                  |                |                  |
| 18                |                  |                |                  |
| 19                |                  |                |                  |
| 20                |                  |                |                  |
| 21                |                  |                |                  |
| 22                |                  |                |                  |
| 23                |                  |                |                  |
| 24                |                  |                |                  |
| 25                |                  |                |                  |
| 26                |                  |                |                  |
| 27                |                  |                |                  |
| 28                |                  |                |                  |
| 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: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 95-50-1   | 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 |
| 167-72-1  | Hexachloroethane             | 330 | U |
| 98-95-3   | Nitrobenzene                 | 330 | U |
| 178-59-1  | 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 |
| 188-74-4  | 2-Nitroaniline               | 800 | U |
| 131-11-3  | Dimethylphthalate            | 330 | U |
| 1208-96-8 | 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: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1005-72-3 | 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 |
|-----|------------|---------------|----|------------|---|
| 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. |            |               |    |            |   |

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----|-------------------|------------------|----------------|------------------|
| 01 | FIELD BLANK       | FIELD BLANK      | >U0307         | 09/05/94         |
| 02 |                   |                  |                |                  |
| 03 |                   |                  |                |                  |
| 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 |                   |                  |                |                  |

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: \_\_\_\_\_

CONCENTRATION UNITS:

(ug/L or ug/Kg)

ug/L

Q

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: |
|----------|------------------------------|----------------------|
|          |                              | (ug/L or ug/Kg)      |
|          |                              | <u>ug/L</u>          |
| 108-95-2 | Phenol                       | 10 <sup>1</sup> U    |
| 111-44-4 | bis(2-Chloroethyl)ether      | 10 <sup>1</sup> U    |
| 95-57-8  | 2-Chlorophenol               | 10 <sup>1</sup> U    |
| 541-73-1 | 1,3-Dichlorobenzene          | 10 <sup>1</sup> U    |
| 66-46-7  | 1,4-Dichlorobenzene          | 10 <sup>1</sup> U    |
| 95-50-1  | 1,2-Dichlorobenzene          | 10 <sup>1</sup> U    |
| 95-48-7  | 2-Methylphenol               | 10 <sup>1</sup> U    |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10 <sup>1</sup> U    |
| 106-44-5 | 4-Methylphenol               | 10 <sup>1</sup> U    |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 10 <sup>1</sup> U    |
| 167-72-1 | Hexachloroethane             | 10 <sup>1</sup> U    |
| 98-95-3  | Nitrobenzene                 | 10 <sup>1</sup> U    |
| 78-59-1  | Isophorone                   | 10 <sup>1</sup> U    |
| 88-75-5  | 2-Nitrophenol                | 10 <sup>1</sup> U    |
| 105-67-9 | 2,4-Dimethylphenol           | 10 <sup>1</sup> U    |
| 111-91-1 | bis(2-Chloroethoxy)methane   | 10 <sup>1</sup> U    |
| 120-83-2 | 2,4-Dichlorophenol           | 10 <sup>1</sup> U    |
| 120-82-1 | 1,2,4-Trichlorobenzene       | 10 <sup>1</sup> U    |
| 91-20-3  | Naphthalene                  | 10 <sup>1</sup> U    |
| 106-47-8 | 4-Chloroaniline              | 10 <sup>1</sup> U    |
| 87-68-3  | Hexachlorobutadiene          | 10 <sup>1</sup> U    |
| 59-50-7  | 4-Chloro-3-methylphenol      | 10 <sup>1</sup> U    |
| 91-57-6  | 2-Methylnaphthalene          | 10 <sup>1</sup> U    |
| 77-47-4  | Hexachlorocyclopentadiene    | 10 <sup>1</sup> U    |
| 88-06-2  | 2,4,6-Trichlorophenol        | 10 <sup>1</sup> U    |
| 95-95-4  | 2,4,5-Trichlorophenol        | 25 <sup>1</sup> U    |
| 91-58-7  | 2-Chloronaphthalene          | 10 <sup>1</sup> U    |
| 88-74-4  | 2-Nitroaniline               | 25 <sup>1</sup> U    |
| 131-11-3 | Dimethylphthalate            | 10 <sup>1</sup> U    |
| 208-96-8 | Acenaphthylene               | 10 <sup>1</sup> U    |
| 606-20-2 | 2,6-Dinitrotoluene           | 10 <sup>1</sup> U    |
| 9-09-2   | 3-Nitroaniline               | 25 <sup>1</sup> U    |
| 3-32-9   | Acenaphthene                 | 10 <sup>1</sup> 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:<br>(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 |
| 66-2      | Diethylphthalate           |                                         | 10   | U |
| 1005-72-3 | 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 |
| 1206-44-0 | Fluoranthene               |                                         | 10   | U |
| 129-00-0  | Pyrene                     |                                         | 10   | U |
| 85-68-7   | Butylbenzylphthalate       |                                         | 10   | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     |                                         | 10   | U |
| 156-55-3  | Benzo(a)anthracene         |                                         | 10   | U |
| 218-01-9  | Chrysene                   |                                         | 10   | U |
| 1117-81-7 | bis(2-Ethylhexyl)phthalate |                                         | 10   | U |
| 1117-84-0 | Di-n-octylphthalate        |                                         | 10   | U |
| 1205-99-2 | Benzo(b)fluoranthene       |                                         | 10   | U |
| 1207-08-9 | Benzo(k)fluoranthene       |                                         | 10   | U |
| 150-32-8  | Benzo(a)pyrene             |                                         | 10   | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     |                                         | 10   | U |
| 153-70-3  | 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.  |            |               |    |            |   |
| 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. |            |               |    |            |   |

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 |                |               |                 |                 |
| 11 |                |               |                 |                 |
| 12 |                |               |                 |                 |
| 13 |                |               |                 |                 |
| 14 |                |               |                 |                 |
| 15 |                |               |                 |                 |
| 16 |                |               |                 |                 |
| 17 |                |               |                 |                 |
| 18 |                |               |                 |                 |
| 19 |                |               |                 |                 |
| 20 |                |               |                 |                 |
| 21 |                |               |                 |                 |
| 22 |                |               |                 |                 |
| 23 |                |               |                 |                 |
| 24 |                |               |                 |                 |
| 25 |                |               |                 |                 |
| 26 |                |               |                 |                 |

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED 1 | DATE<br>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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) y pH: 7 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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             |                     |      |                     |      |                     |       |
| 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.

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) |      | IS2 (DFB) |      | IS3 (CBZ) |       |
|----------------|-----------|------|-----------|------|-----------|-------|
|                | AREA      | #    | AREA      | #    | AREA      | #     |
| 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             |           |      |           |      |           |       |
| 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.

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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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.

SEMIVOLATILES

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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<br>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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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<br>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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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<br>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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>NO. |                     |       |                     |       |                     |       |
| 01 SL-12B         | 71108               | 23.66 | 32177               | 32.18 | 20513               | 42.78 |
| 02                |                     |       |                     |       |                     |       |
| 03                |                     |       |                     |       |                     |       |
| 04                |                     |       |                     |       |                     |       |
| 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.

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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |
| 08 |                   |                 |                 |                 |       |            |
| 09 |                   |                 |                 |                 |       |            |
| 10 |                   |                 |                 |                 |       |            |
| 11 |                   |                 |                 |                 |       |            |
| 12 |                   |                 |                 |                 |       |            |
| 13 |                   |                 |                 |                 |       |            |
| 14 |                   |                 |                 |                 |       |            |
| 15 |                   |                 |                 |                 |       |            |
| 16 |                   |                 |                 |                 |       |            |
| 17 |                   |                 |                 |                 |       |            |
| 18 |                   |                 |                 |                 |       |            |
| 19 |                   |                 |                 |                 |       |            |
| 20 |                   |                 |                 |                 |       |            |
| 21 |                   |                 |                 |                 |       |            |
| 22 |                   |                 |                 |                 |       |            |
| 23 |                   |                 |                 |                 |       |            |
| 24 |                   |                 |                 |                 |       |            |
| 25 |                   |                 |                 |                 |       |            |
| 26 |                   |                 |                 |                 |       |            |
| 27 |                   |                 |                 |                 |       |            |
| 28 |                   |                 |                 |                 |       |            |
| 29 |                   |                 |                 |                 |       |            |
| 30 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromoffluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-110)  
 (86-115)  
 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-138)  
 (59-113)  
 (70-121)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

## SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NEW ENGLAND TESTING Contract: G & H RD\RALab Code: RI010 Case No.: E0831-02 SAS No.: \_\_\_\_\_ SDG No.: NETL18-1Matrix Spike - EPA Sample No.: SL-08

| COMPOUND           | SPIKE<br>ADDED<br>(ug/Kg) | SAMPLE<br>CONCENTRATION<br>(ug/Kg) | MS<br>CONCENTRATION<br>(ug/Kg) | MS<br>%<br>REC | QC.<br>LIMITS<br>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<br>ADDED<br>(ug/Kg) | MSD<br>CONCENTRATION<br>(ug/Kg) | MSD<br>%<br>REC | %<br>RPD | QC LIMITS<br>RPD | 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: \_\_\_\_\_

0154

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

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 |                |               |             |               |
| 13 |                |               |             |               |
| 14 |                |               |             |               |
| 15 |                |               |             |               |
| 16 |                |               |             |               |
| 17 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

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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 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

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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 |                |               |             |               |
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| 18 |                |               |             |               |
| 19 |                |               |             |               |
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| 21 |                |               |             |               |
| 22 |                |               |             |               |
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| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>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 |                   |                  |                |                  |                  |
| 07 |                   |                  |                |                  |                  |
| 08 |                   |                  |                |                  |                  |
| 09 |                   |                  |                |                  |                  |
| 10 |                   |                  |                |                  |                  |
| 11 |                   |                  |                |                  |                  |
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| 18 |                   |                  |                |                  |                  |
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| 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.: \_\_\_\_\_ 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       | R3102       | 08/31/94      | 1407          |
| 02             | VSTD025       | R3103       | 08/31/94      | 1449          |
| 03             | VSTD050       | R3104       | 08/31/94      | 1557          |
| 04             | VSTD075       | R3105       | 08/31/94      | 1629          |
| 05             | VSTD100       | R3106       | 08/31/94      | 1706          |
| 06             |               |             |               |               |
| 07             |               |             |               |               |
| 08             |               |             |               |               |
| 09             |               |             |               |               |
| 10             |               |             |               |               |
| 11             |               |             |               |               |
| 12             |               |             |               |               |
| 13             |               |             |               |               |
| 14             |               |             |               |               |
| 15             |               |             |               |               |
| 16             |               |             |               |               |
| 17             |               |             |               |               |
| 18             |               |             |               |               |
| 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: 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          |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>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 |                   |                  |                |                  |                  |
| 10 |                   |                  |                |                  |                  |
| 11 |                   |                  |                |                  |                  |
| 12 |                   |                  |                |                  |                  |
| 13 |                   |                  |                |                  |                  |
| 14 |                   |                  |                |                  |                  |
| 15 |                   |                  |                |                  |                  |
| 16 |                   |                  |                |                  |                  |
| 17 |                   |                  |                |                  |                  |
| 18 |                   |                  |                |                  |                  |
| 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: 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 |                |               |             |               |               |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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             |                     |      |                     |      |                     |       |
| 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.

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) |   | IS2 (DFB) |   | IS3 (CBZ) |       |
|----------------|-----------|---|-----------|---|-----------|-------|
|                | AREA      | # | RT        | # | AREA      | #     |
| 12 HOUR STD    | 237297    |   | 6.19      |   | 720039    | 16.50 |
| UPPER LIMIT    | 474594    |   | 6.69      |   | 1440078   | 17.00 |
| LOWER LIMIT    | 118649    |   | 5.69      |   | 360020    | 16.00 |
| EPA SAMPLE NO. |           |   |           |   |           |       |
| 01 VBLK02      | 230084    |   | 6.17      |   | 670575    | 16.48 |
| 02 SL-04       | 206232    |   | 6.17      |   | 542546    | 16.48 |
| 03 SL-6/7      | 227792    |   | 6.23      |   | 720586    | 16.50 |
| 04 SL-08       | 171599    |   | 6.20      |   | 439442    | 16.49 |
| 05 SL-08 MS    | 173395    |   | 6.19      |   | 550135    | 16.49 |
| 06 SL-08 MSD   | 205103    |   | 6.19      |   | 654933    | 16.49 |
| 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.

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) |   | IS2 (DFB) |   | IS3 (CBZ) |       |
|----------------|-----------|---|-----------|---|-----------|-------|
|                | AREA      | # | RT        | # | AREA      | #     |
| 12 HOUR STD    | 46942     |   | 6.33      |   | 232994    | 16.69 |
| UPPER LIMIT    | 93884     |   | 6.83      |   | 465988    | 17.19 |
| LOWER LIMIT    | 23471     |   | 5.83      |   | 116497    | 16.19 |
| EPA SAMPLE NO. |           |   |           |   |           |       |
| 01 VBLK03      | 28943     |   | 6.34      |   | 169838    | 16.67 |
| 02 TRIP BALNK  | 35494     |   | 6.68      |   | 175458    | 17.08 |
| 03 FIELD BLANK | 36089     |   | 6.70      |   | 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

y

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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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 |

0167

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  
(ug/L or ug/Kg)

| 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.           |                              |       |            |   |

0168

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

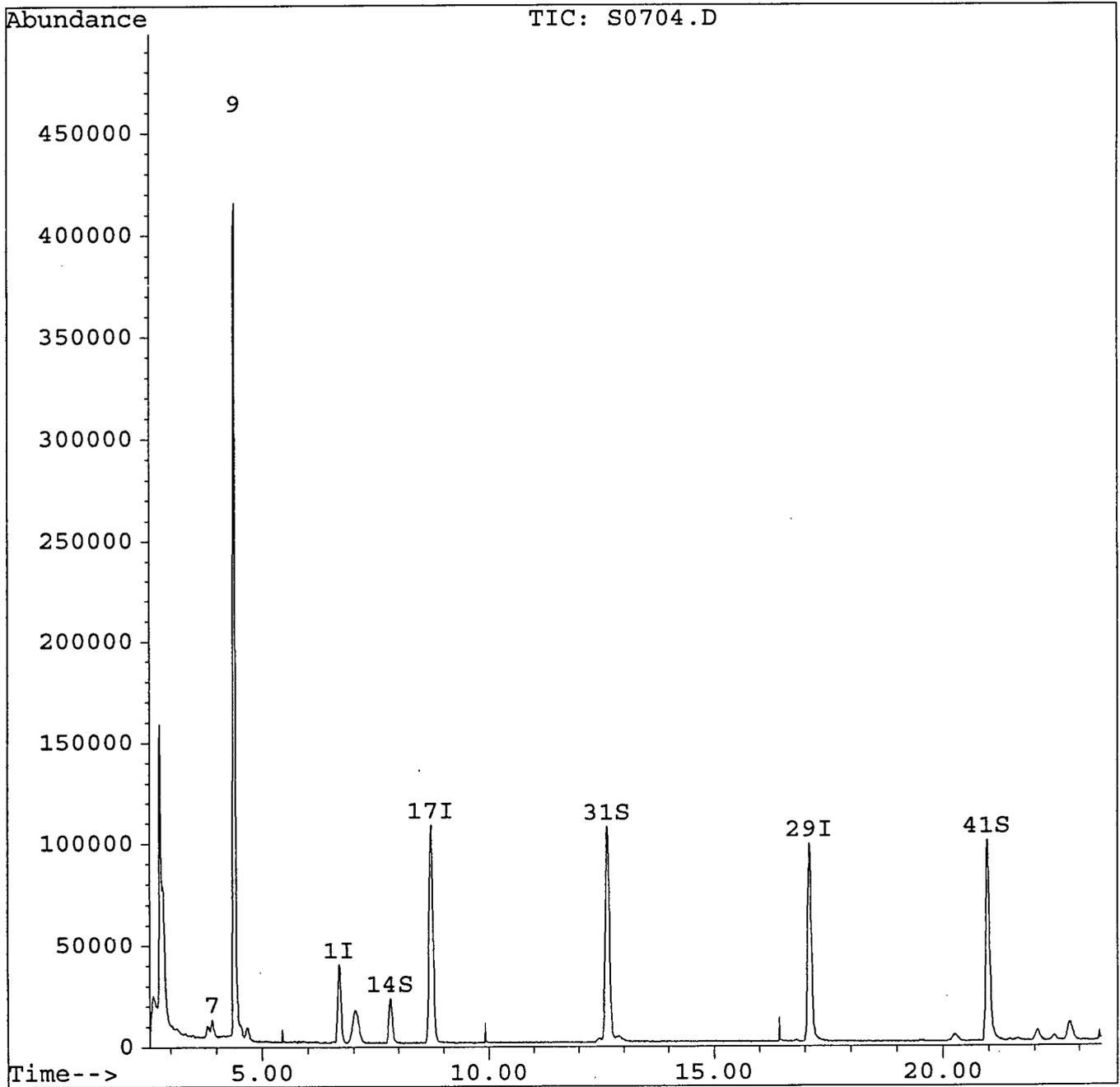
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev (Min) |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 1) Bromochloromethane       | 6.70  | 130  | 36089    | 5.00 | ug/L  | 0.00      |
| 17) 1,4-Difluorobenzene     | 8.72  | 114  | 280544   | 5.00 | ug/L  | 0.00      |
| 29) Chlorobenzene-d5        | 17.10 | 117  | 182453   | 5.00 | ug/L  | -0.03     |
|                             |       |      |          |      |       | %Recovery |
| System Monitoring Compounds |       |      |          |      |       |           |
| 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%    |
|                             |       |      |          |      |       | Qvalue    |
| Target Compounds            |       |      |          |      |       |           |
| 7) Acetone                  | 3.91  | 43   | 22741    | 2.51 | ug/L  | 82        |
| 9) Methylene chloride       | 4.40  | 84   | 332919   | 2.85 | ug/L  | 92        |

Quantitation Report

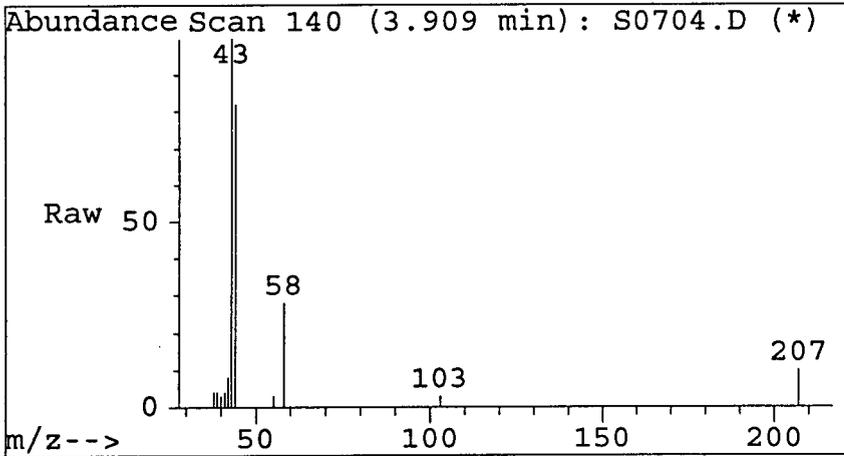
Data File : C:\HPCHEM\1\DATA\S0704.D  
Acq Time : 7 Sep 94 8:44 am  
Sample : FIELD BLANK 1X  
Misc :  
Quant Time: Oct 20 9:27 1994

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

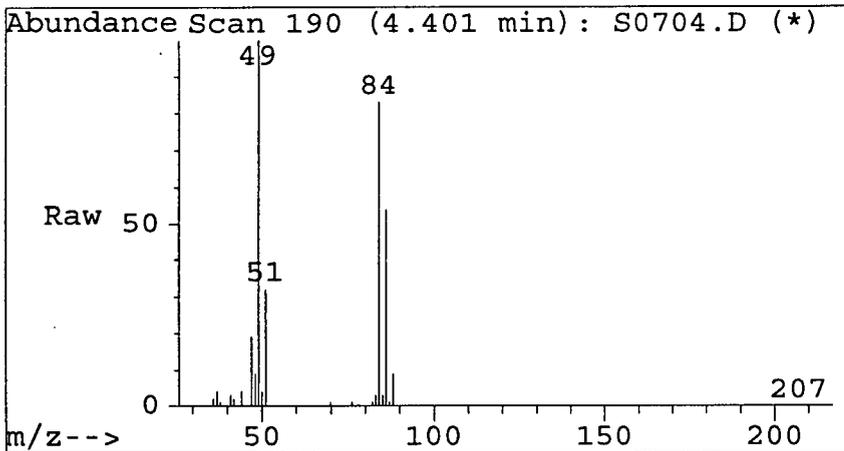
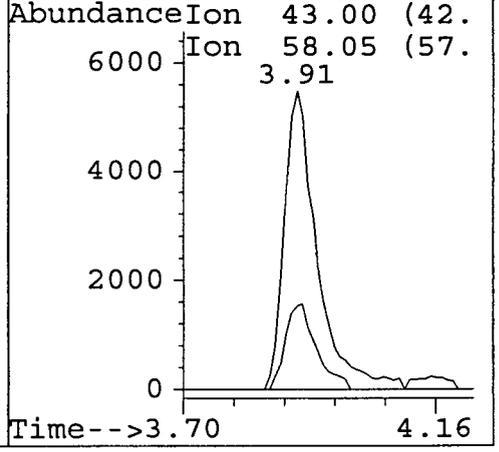
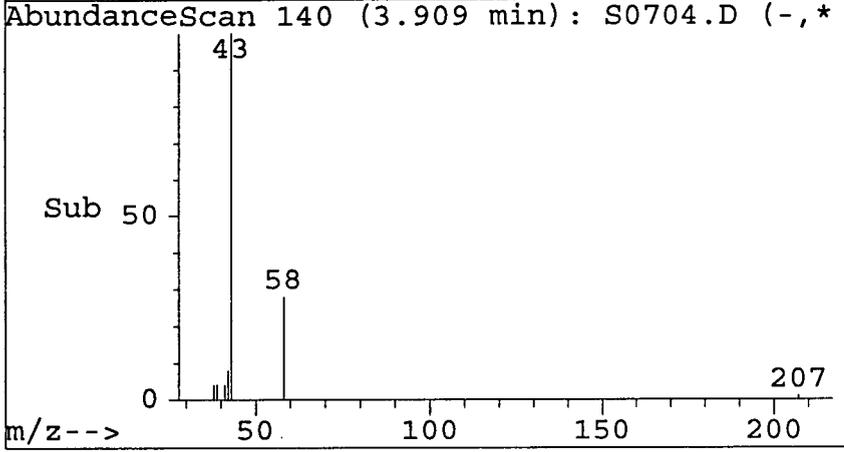


0170



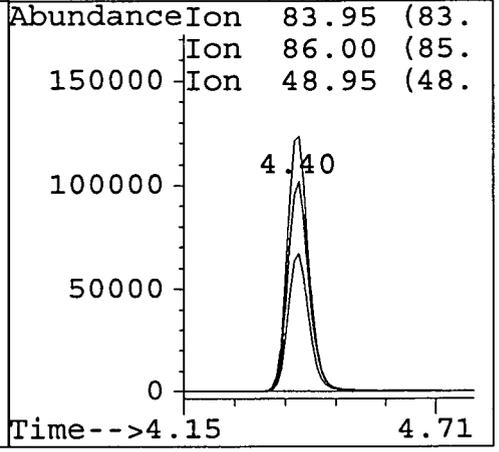
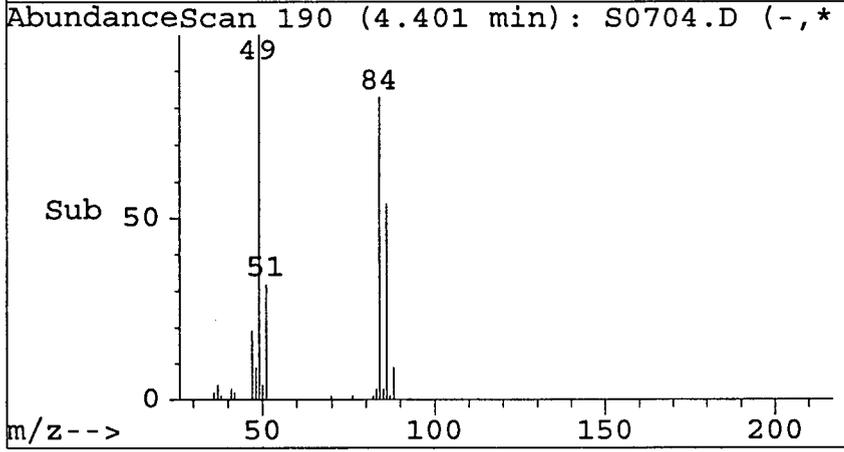
#7  
 Acetone  
 Concen: 2.51 ug/L m  
 RT: 3.91 min Scan# 140  
 Delta R.T. 0.19 min  
 Lab File: S0704.D  
 Acq: 7 Sep 94 8:44 am

| Tgt Ion | 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 | 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   |



Library Search Compound Report

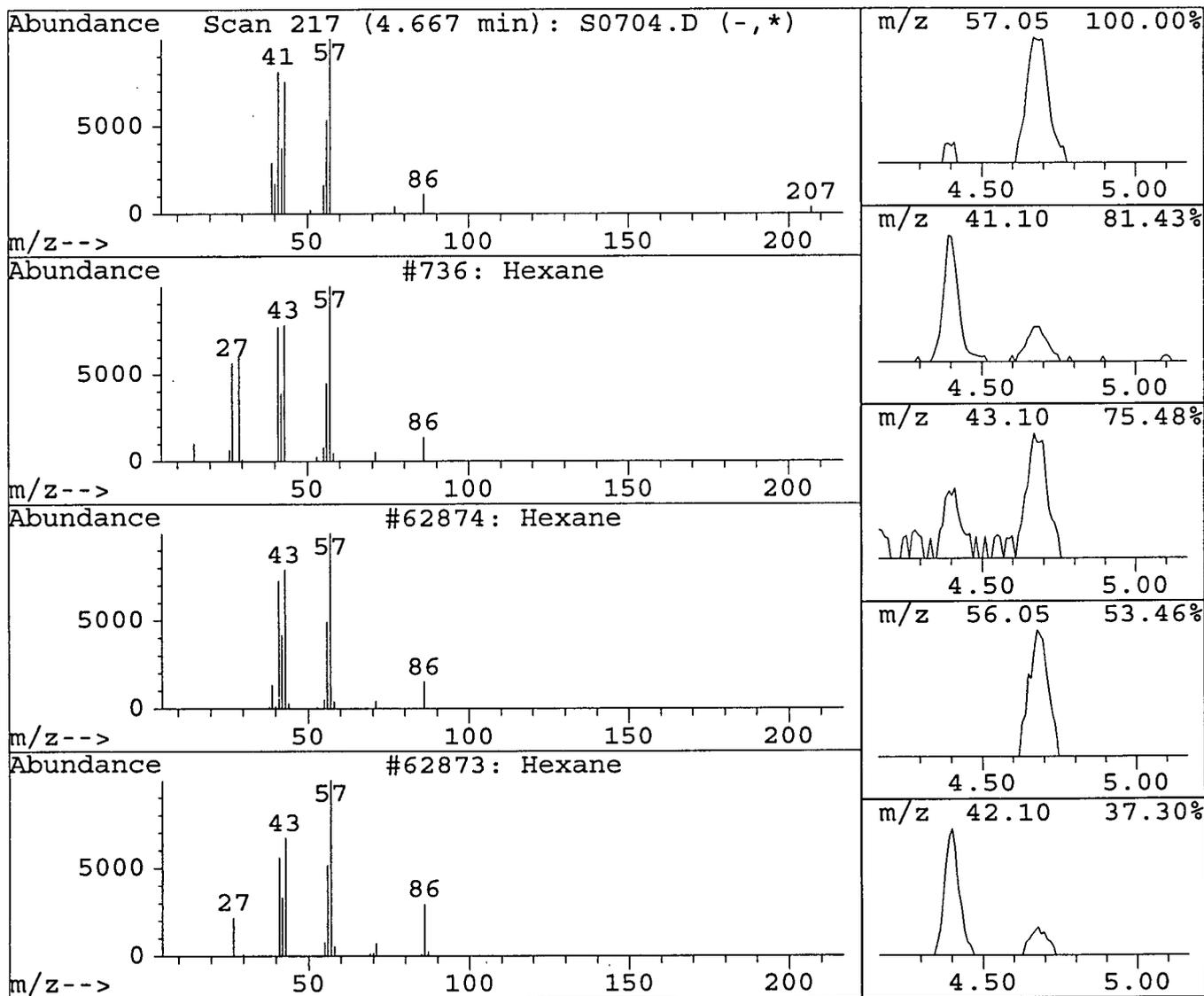
Data File : C:\HPCHEM\1\DATA\S0704.D  
 Acq Time : 7 Sep 94 8:44 am  
 Sample : FIELD BLANK 1X  
 Misc :

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

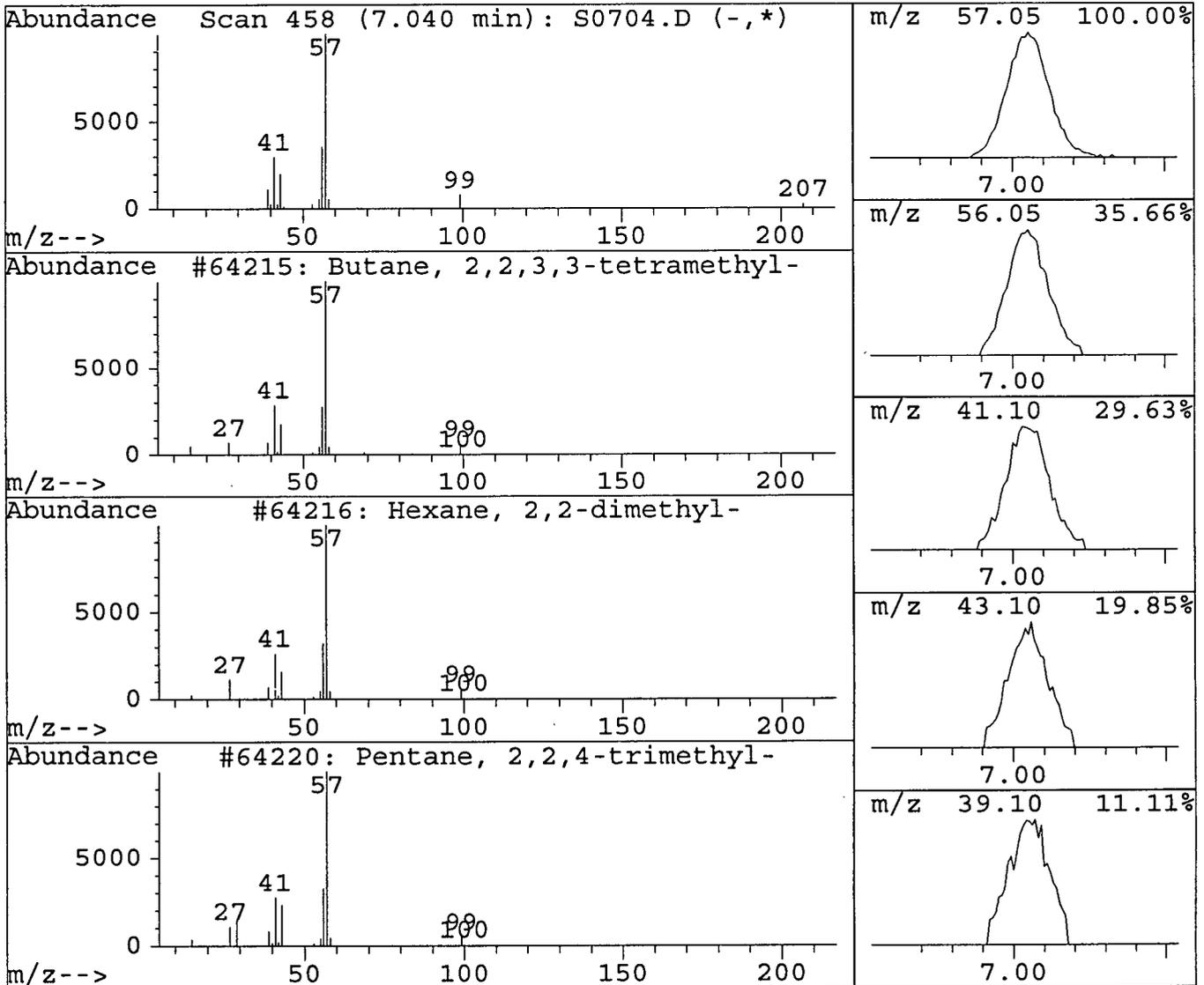
Data File : C:\HPCHEM\1\DATA\S0704.D  
 Acq Time : 7 Sep 94 8:44 am  
 Sample : FIELD BLANK 1X  
 Misc :

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 :

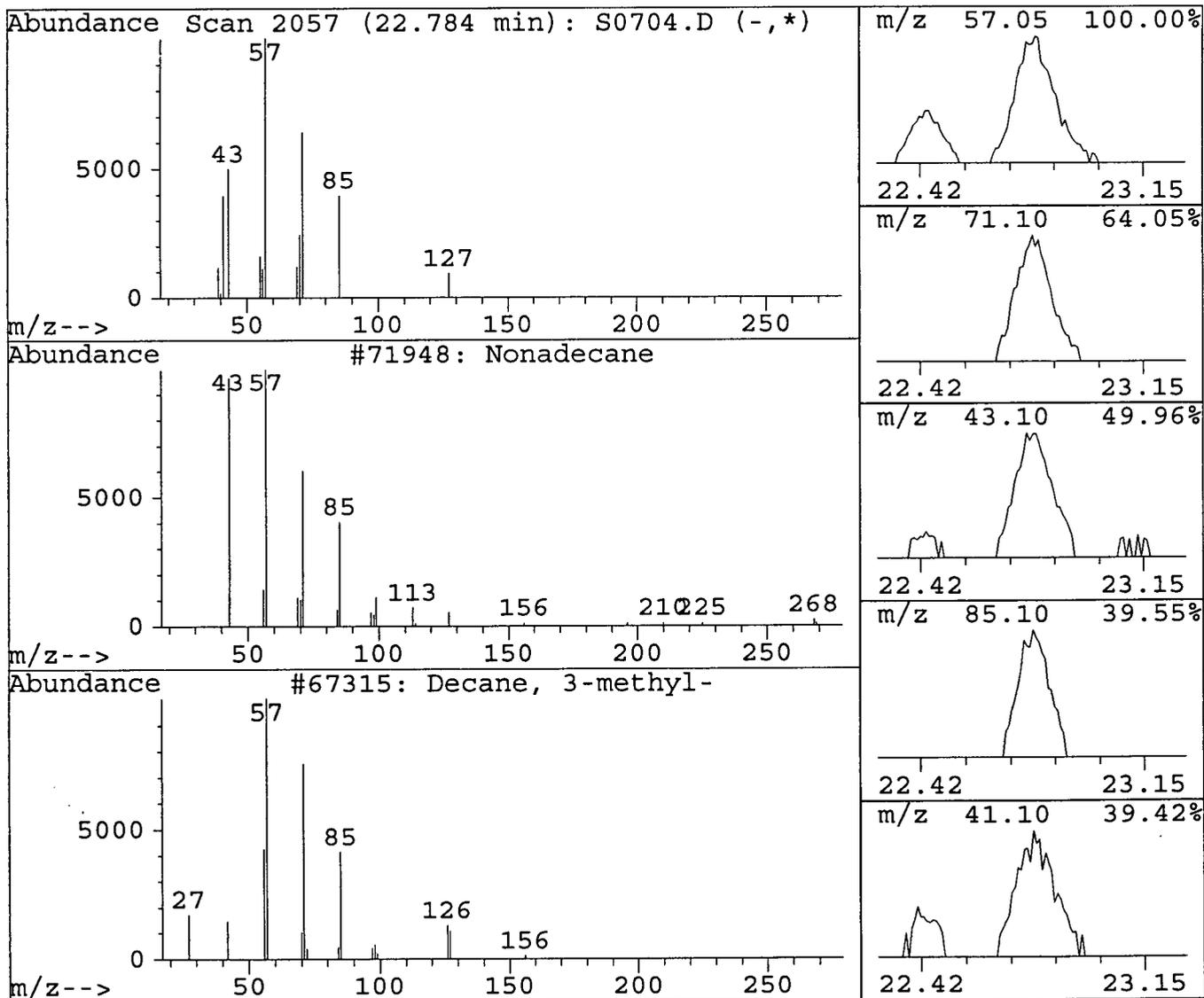
Operator:  
 Inst : 5972 - In  
 Multiplr: 1.00

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:

| CAS NO.  | COMPOUND                   | (ug/L or ug/Kg) | ug/Kg | Q |
|----------|----------------------------|-----------------|-------|---|
| 540-59-0 | 1,2-Dichloroethene (trans) | 1.3             | U     | U |
| 67-66-3  | Chloroform                 | 1.3             | U     | U |
| 71-55-6  | 1,1,1-Trichloroethane      | 1.3             | U     | U |
| 79-01-6  | Trichloroethene            | 1.3             | U     | U |
| 127-18-4 | Tetrachloroethene          | 1.3             | U     | 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      |
|                             |       |      |          |       |       | %Recovery |
| System Monitoring Compounds |       |      |          |       |       |           |
| 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

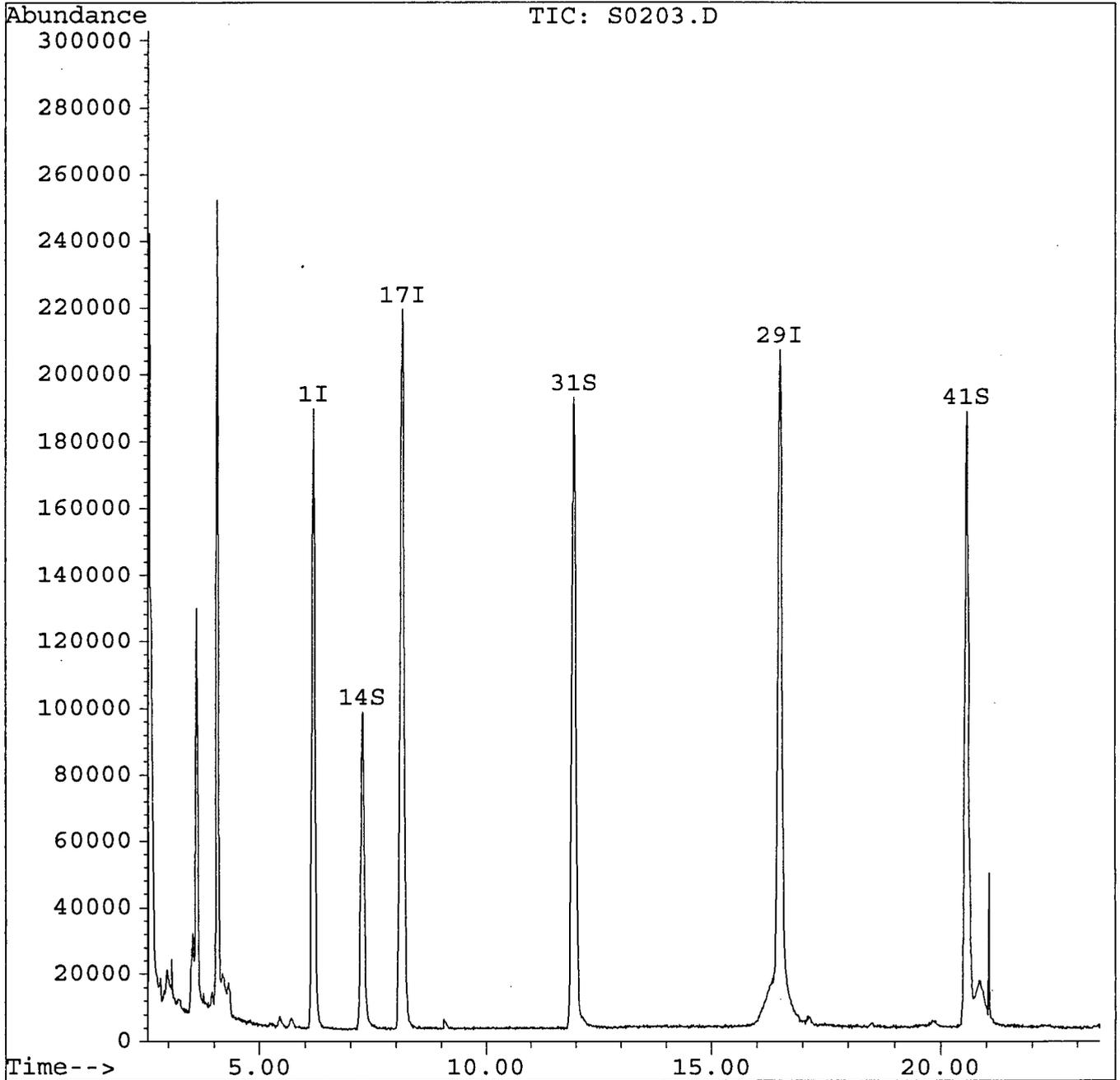
0176

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:

| CAS NO.  | COMPOUND                   | (ug/L or ug/Kg) | 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\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      |
|                             |       |      |          |       |       | %Recovery |
| System Monitoring Compounds |       |      |          |       |       |           |
| 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

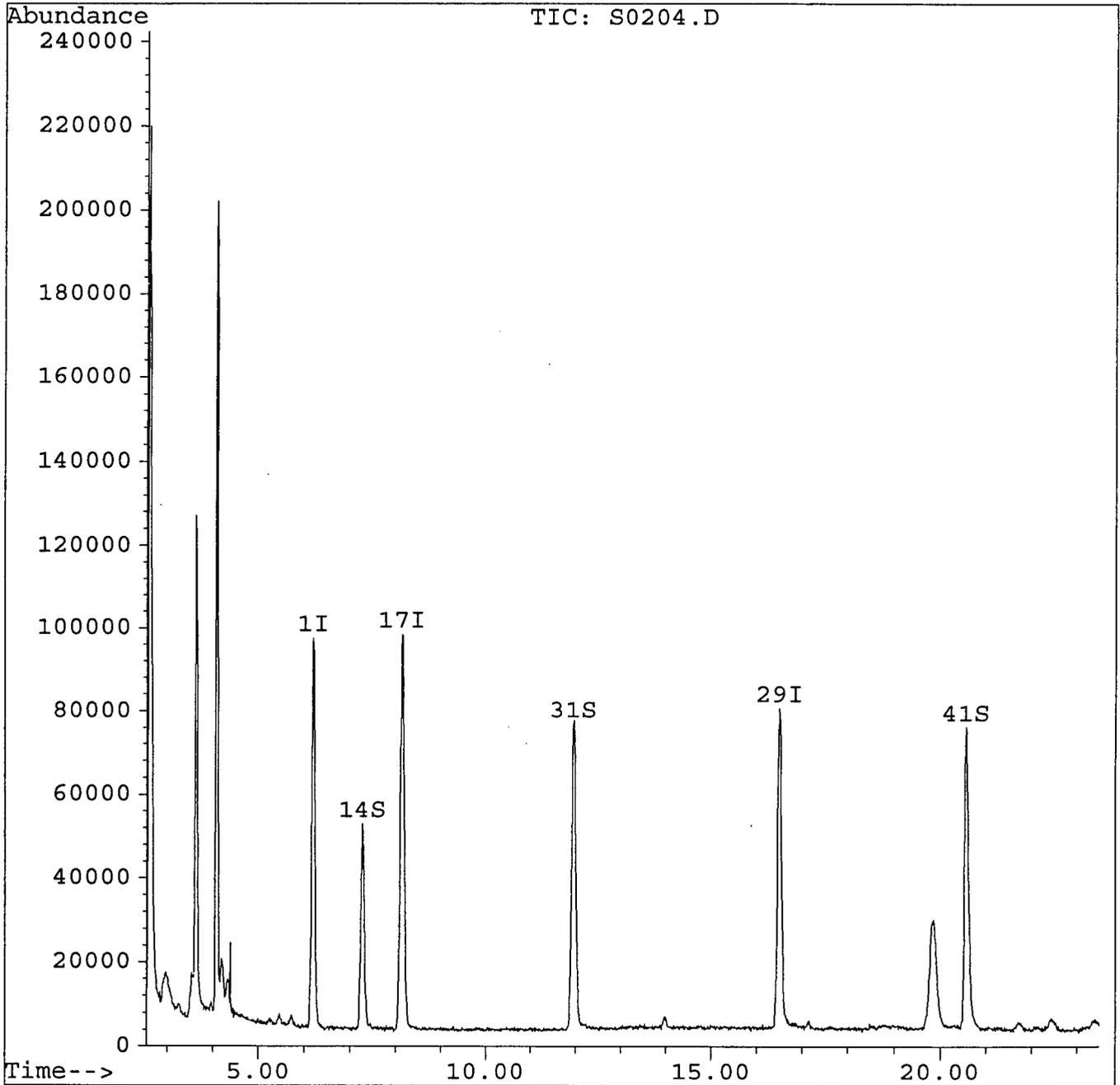
0179

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:

| CAS NO.  | COMPOUND                   | (ug/L or ug/Kg) | 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 | R.T.  | QIon | Response | Conc  | Units | %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

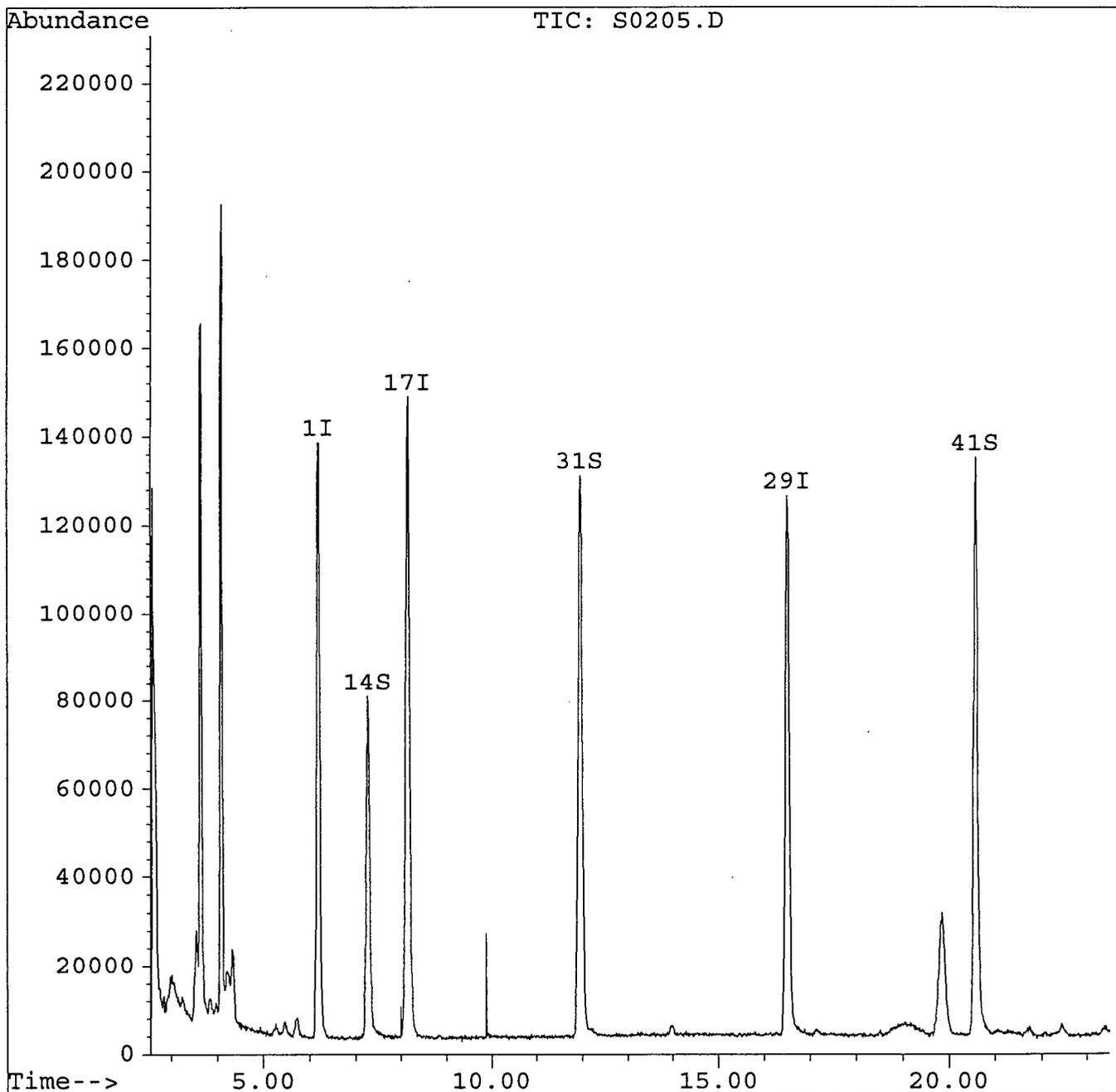
0182

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:

| CAS NO.     | COMPOUND                   | (ug/L or ug/Kg) | 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     |
|                             |       |      |          |       |        | %Recovery |
| System Monitoring Compounds |       |      |          |       |        |           |
| 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%    |
|                             |       |      |          |       |        | Qvalue    |
| Target Compounds            |       |      |          |       |        |           |
| 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       |

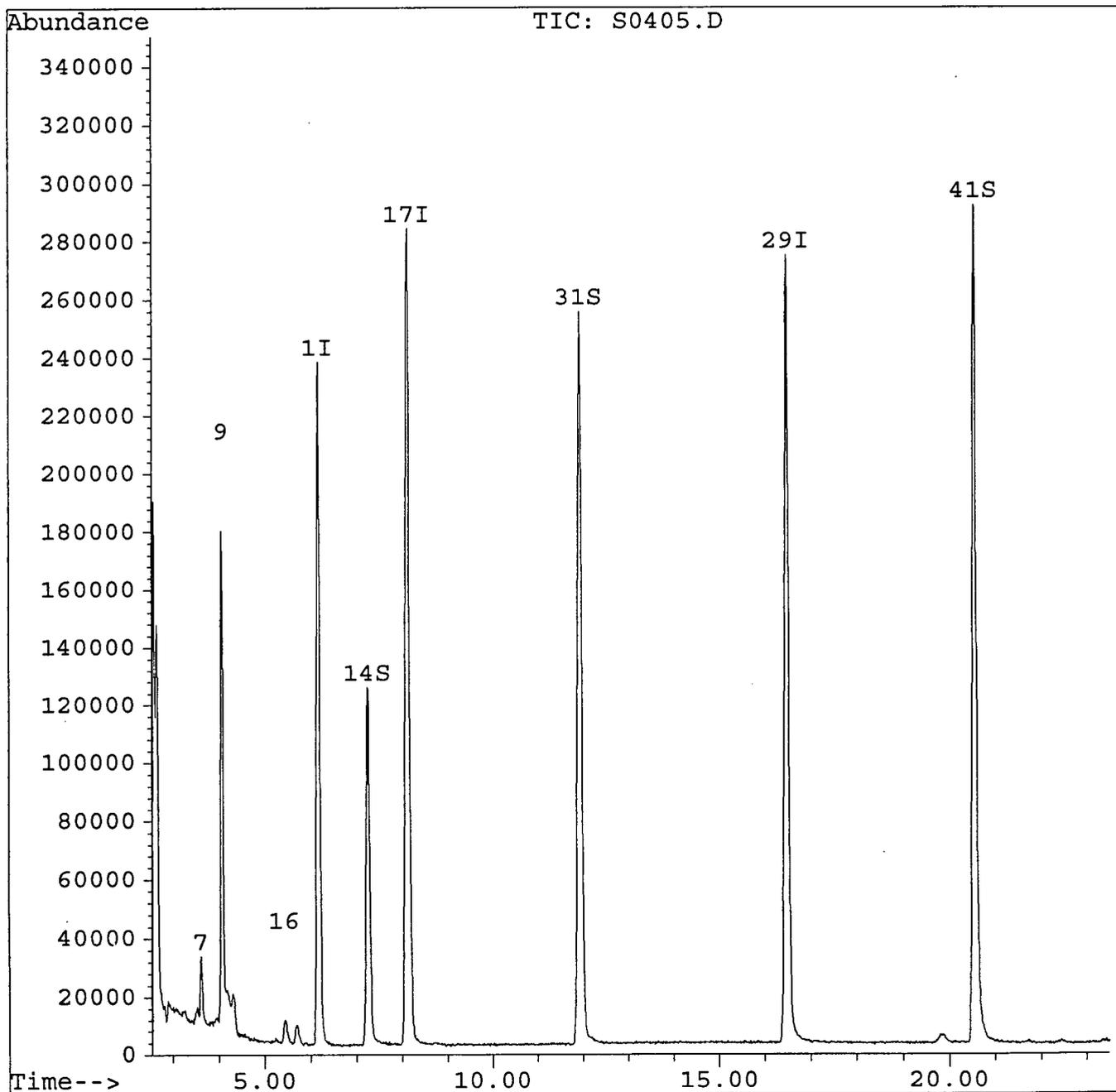
0186

Quantitation Report

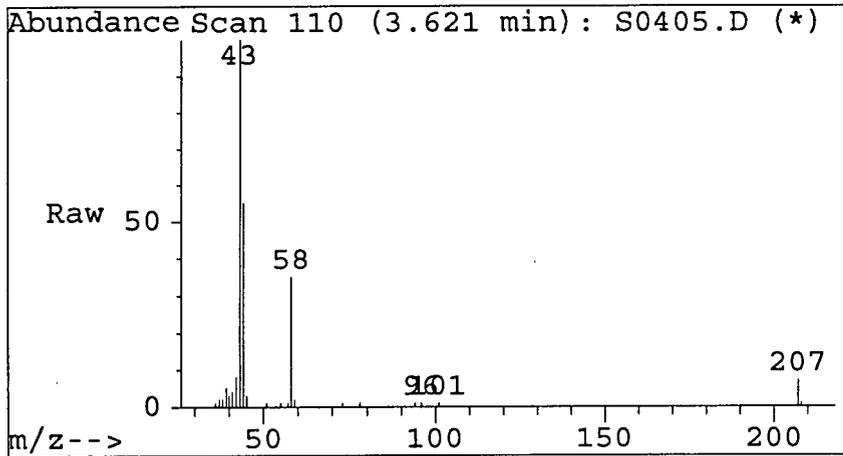
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Acq Time : 4 Sep 94 12:33 pm  
Sample : SL-04 5.486g/5ml  
Misc :  
Quant Time: Oct 19 7:38 1994

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

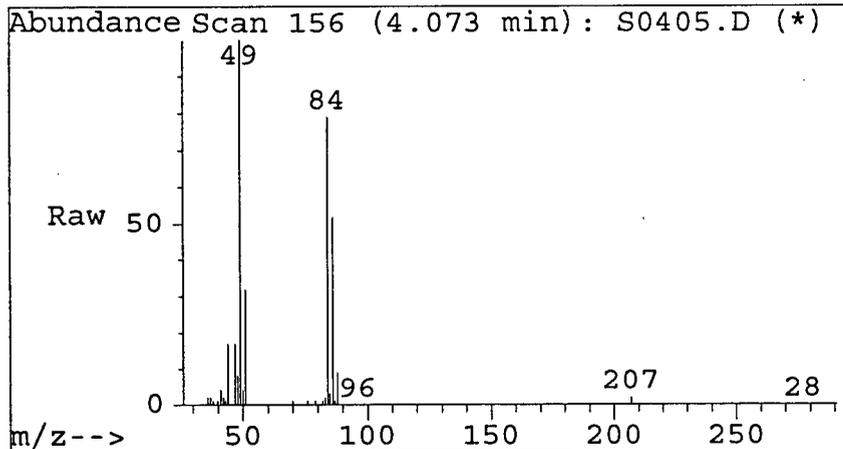
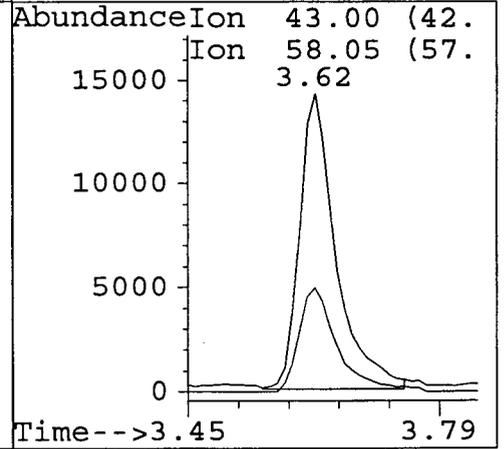
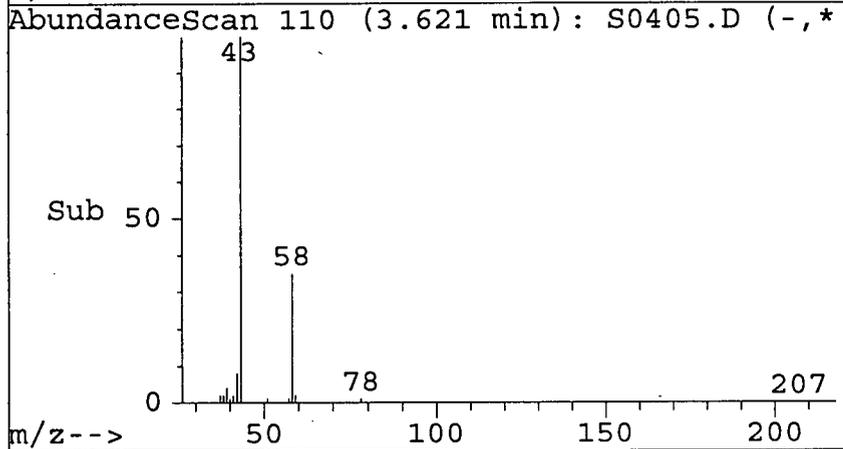


0187



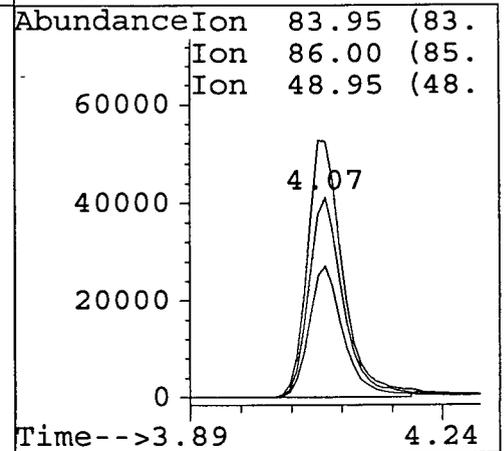
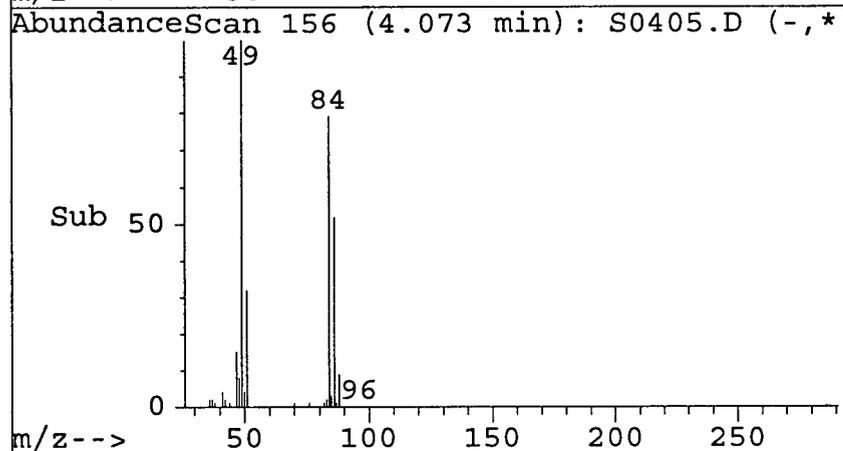
#7  
 Acetone  
 Concen: 7.99 ug/L m  
 RT: 3.62 min Scan# 110  
 Delta R.T. -0.01 min  
 Lab File: S0405.D  
 Acq: 4 Sep 94 12:33 pm

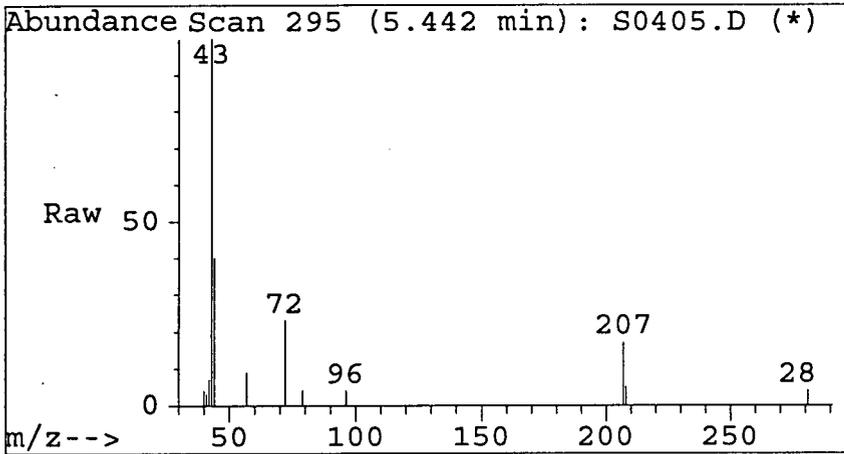
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 34.6  | 30.3  | 45.5  |
| 0       | 0.0   | 0.0   | 0.0   |
| 0       | 0.0   | 0.0   | 0.0   |



#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

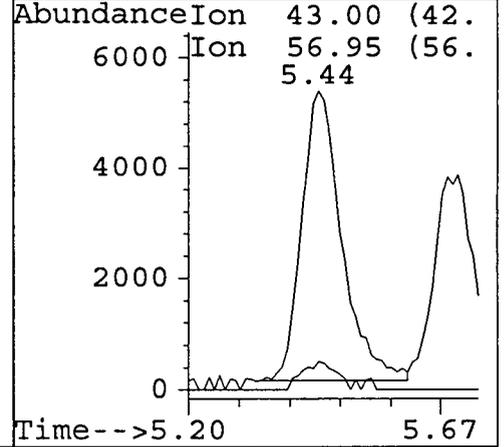
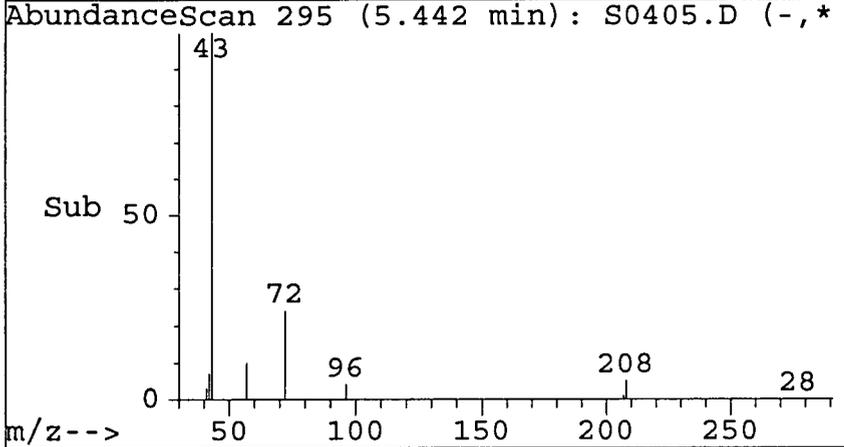
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 86      | 65.8  | 53.5  | 80.3  |
| 49      | 127.2 | 108.9 | 163.3 |
| 0       | 0.0   | 0.0   | 0.0   |





#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 | 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   |



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:

| CAS NO.           | COMPOUND                   | (ug/L or ug/Kg) | 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      |
|                             |       |      |          |       |       | %Recovery |
| System Monitoring Compounds |       |      |          |       |       |           |
| 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

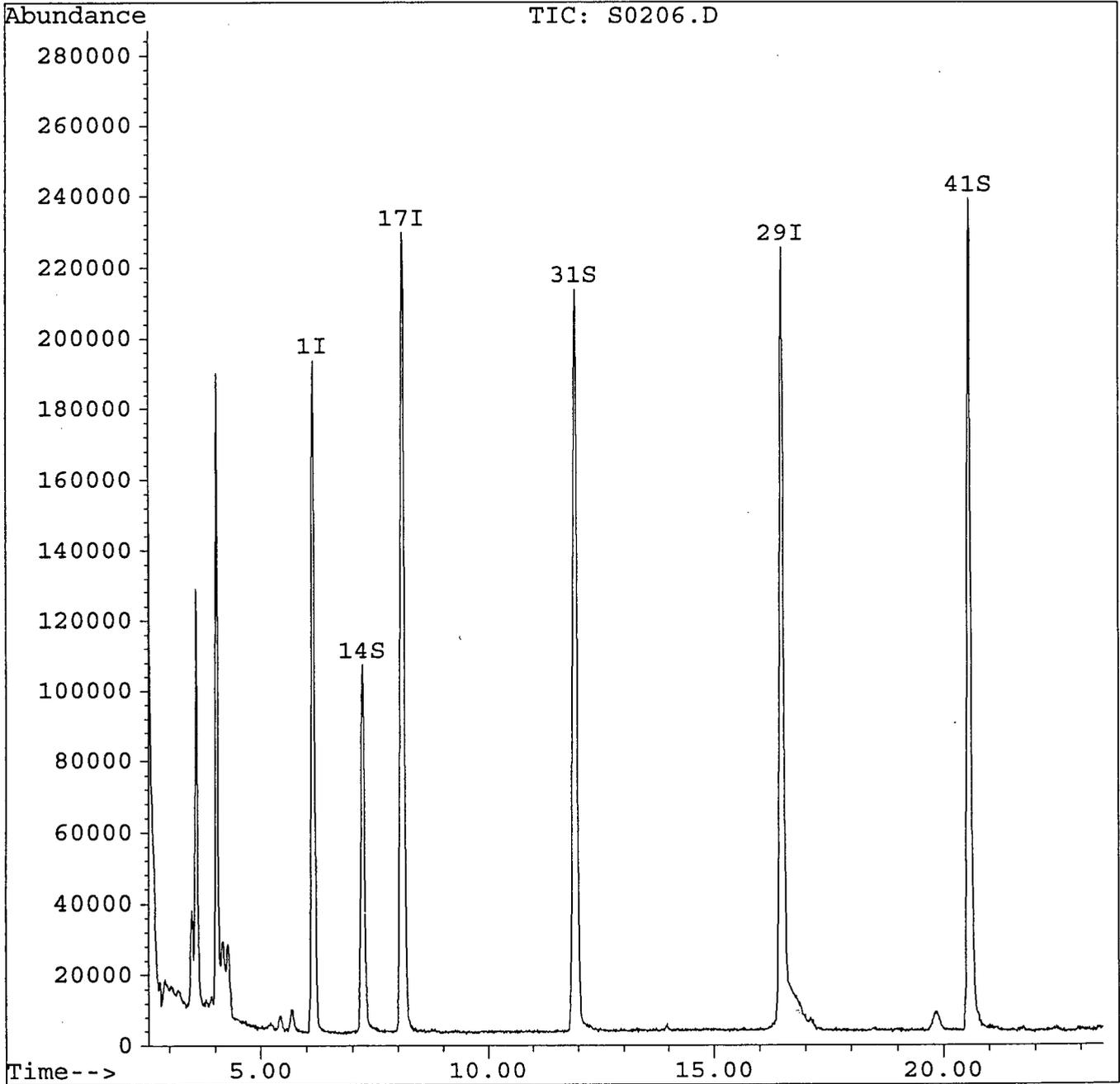
0192

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



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)

CONCENTRATION UNITS:

| CAS NO.    | COMPOUND                   | (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/Kg  
(ug/L or 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      |
|                             |       |      |          |       |        | %Recovery |
| System Monitoring Compounds |       |      |          |       |        |           |
| 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%    |
|                             |       |      |          |       |        | Qvalue    |
| Target Compounds            |       |      |          |       |        |           |
| 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       |

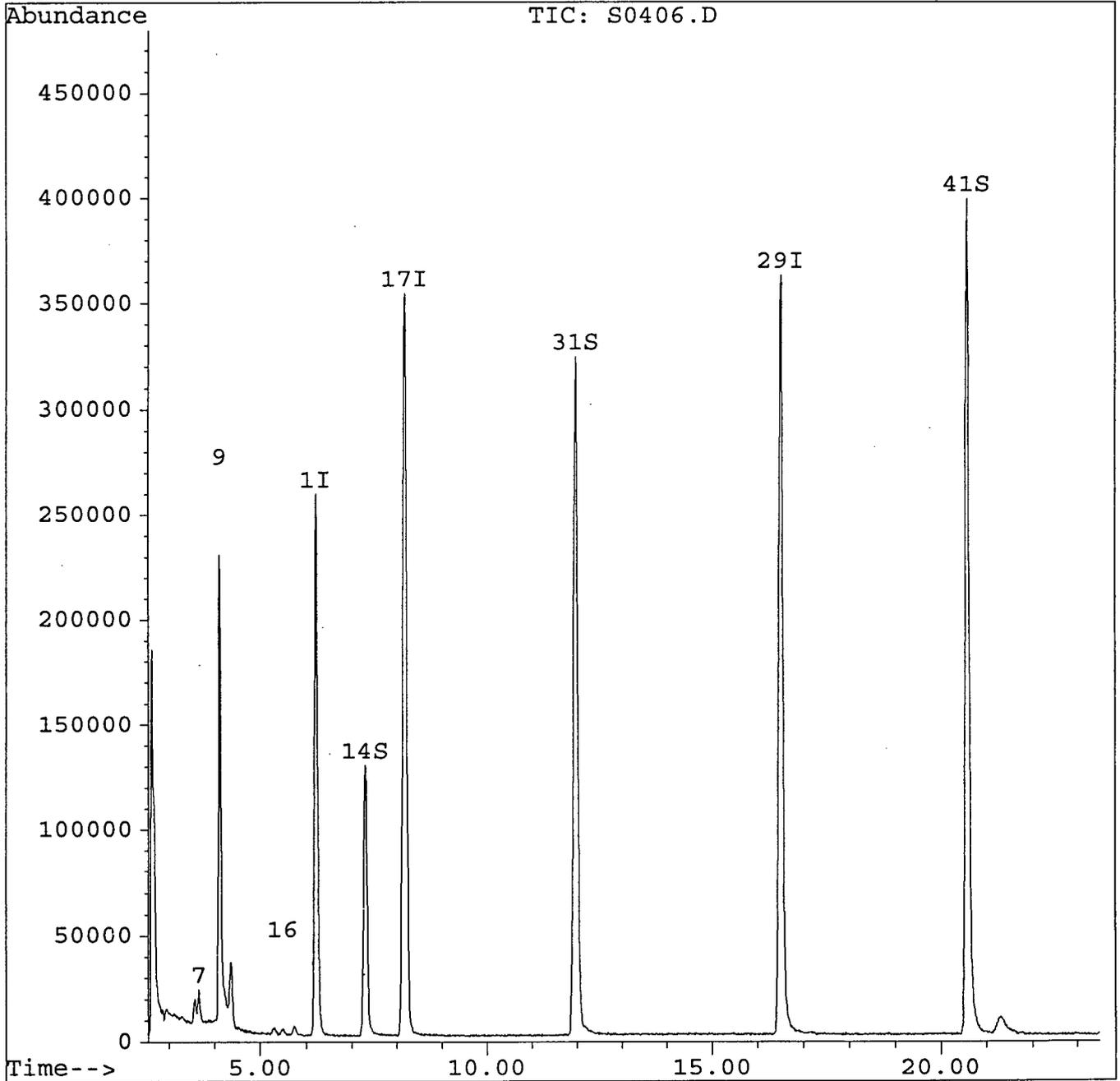
0196

Quantitation Report

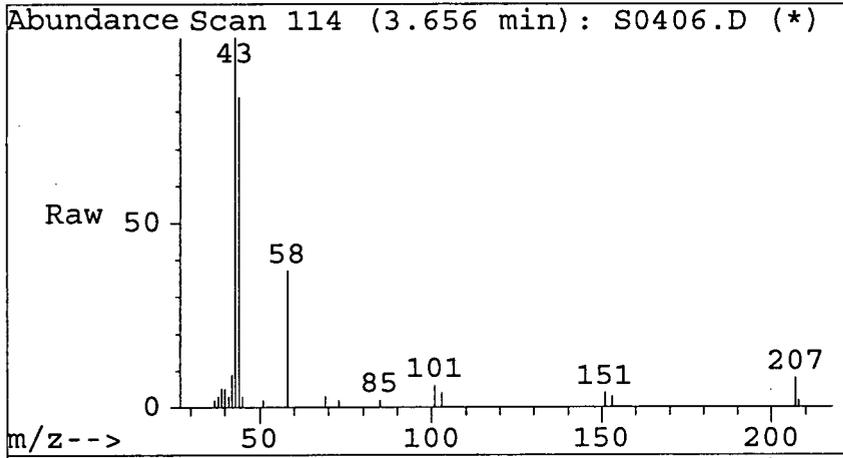
Data File : C:\HPCHEM\1\DATA\S0406.D  
Acq Time : 4 Sep 94 12:58 am  
Sample : SL-6/7 5.208g/5ml  
Misc :  
Quant Time: Sep 4 1:28 1994

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

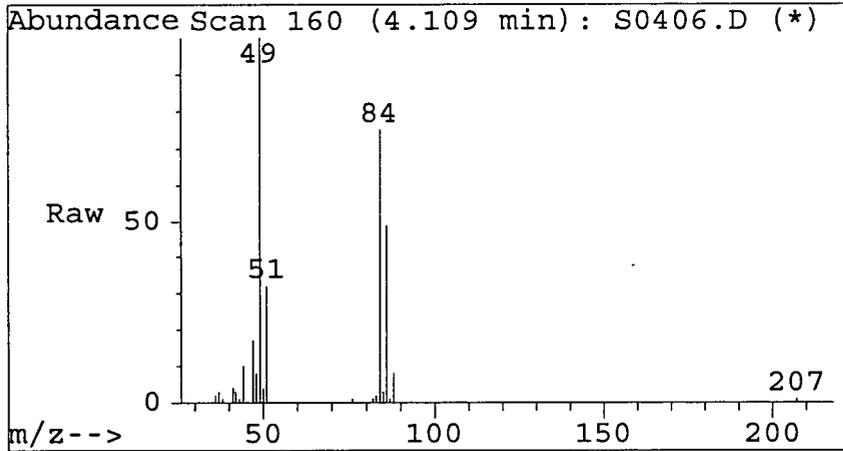
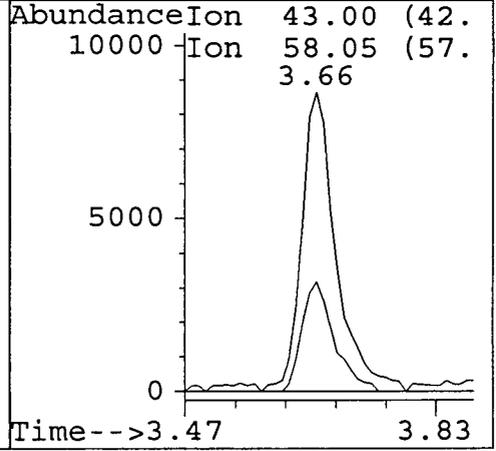
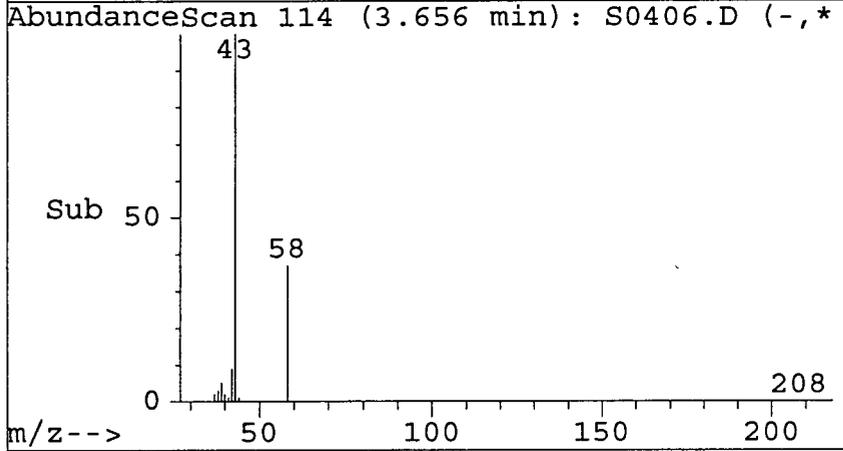


0197



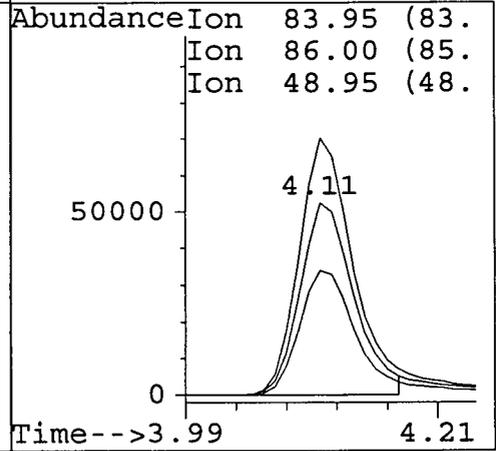
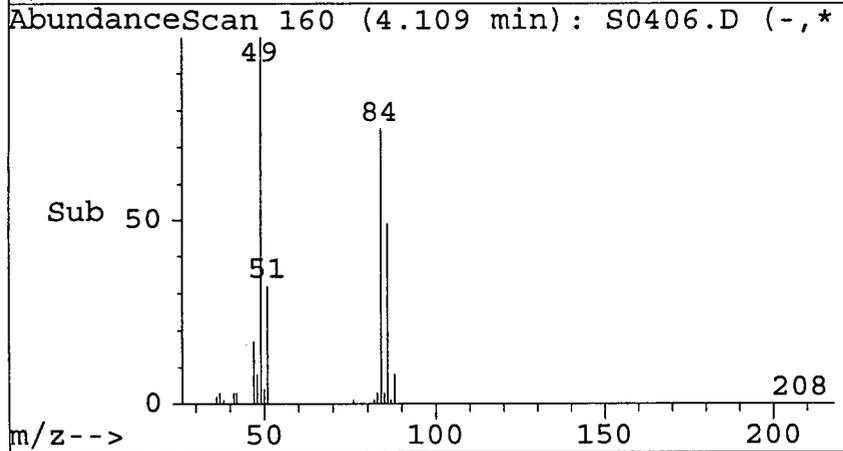
#7  
 Acetone  
 Concen: 4.53 ug/L m  
 RT: 3.66 min Scan# 114  
 Delta R.T. 0.03 min  
 Lab File: S0406.D  
 Acq: 4 Sep 94 12:58 am

| Tgt Ion | 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   |

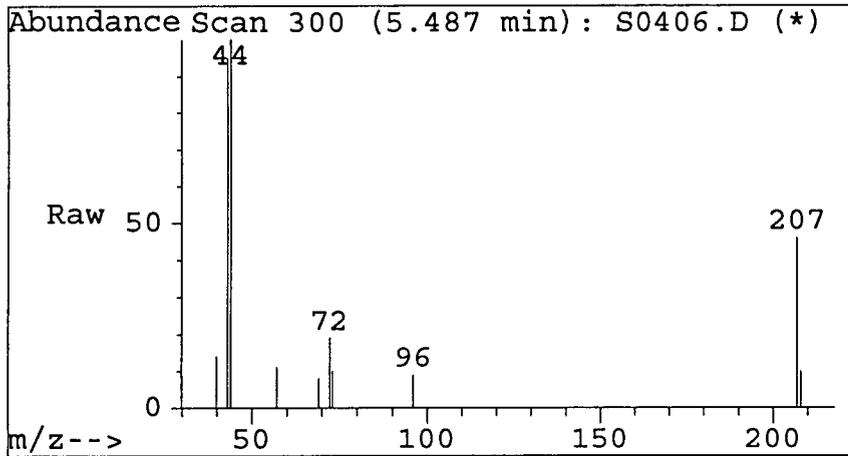


#9  
 Methylene Chloride  
 Concen: 10.53 ug/L m  
 RT: 4.11 min Scan# 160  
 Delta R.T. 0.03 min  
 Lab File: S0406.D  
 Acq: 4 Sep 94 12:58 am

| Tgt Ion | 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   |

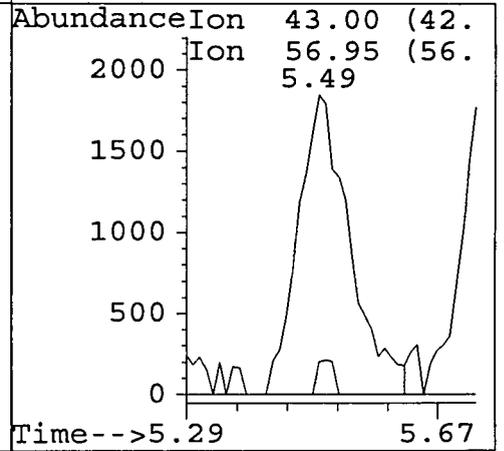
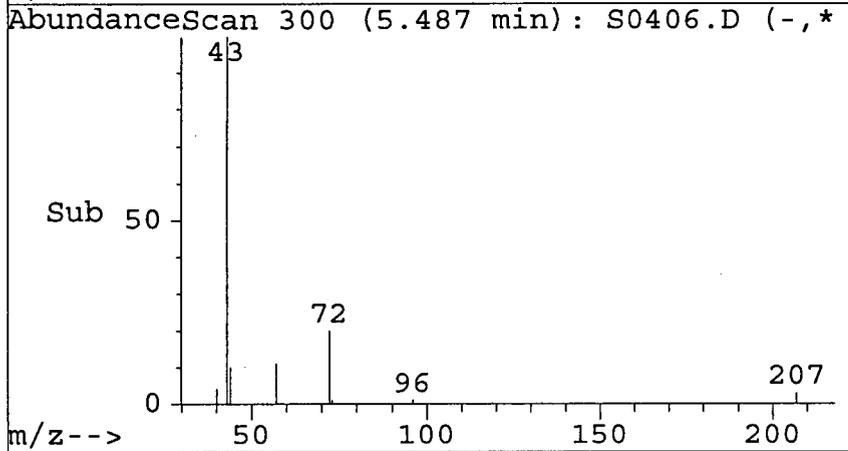


0198



#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 | 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   |



Library Search Compound Report

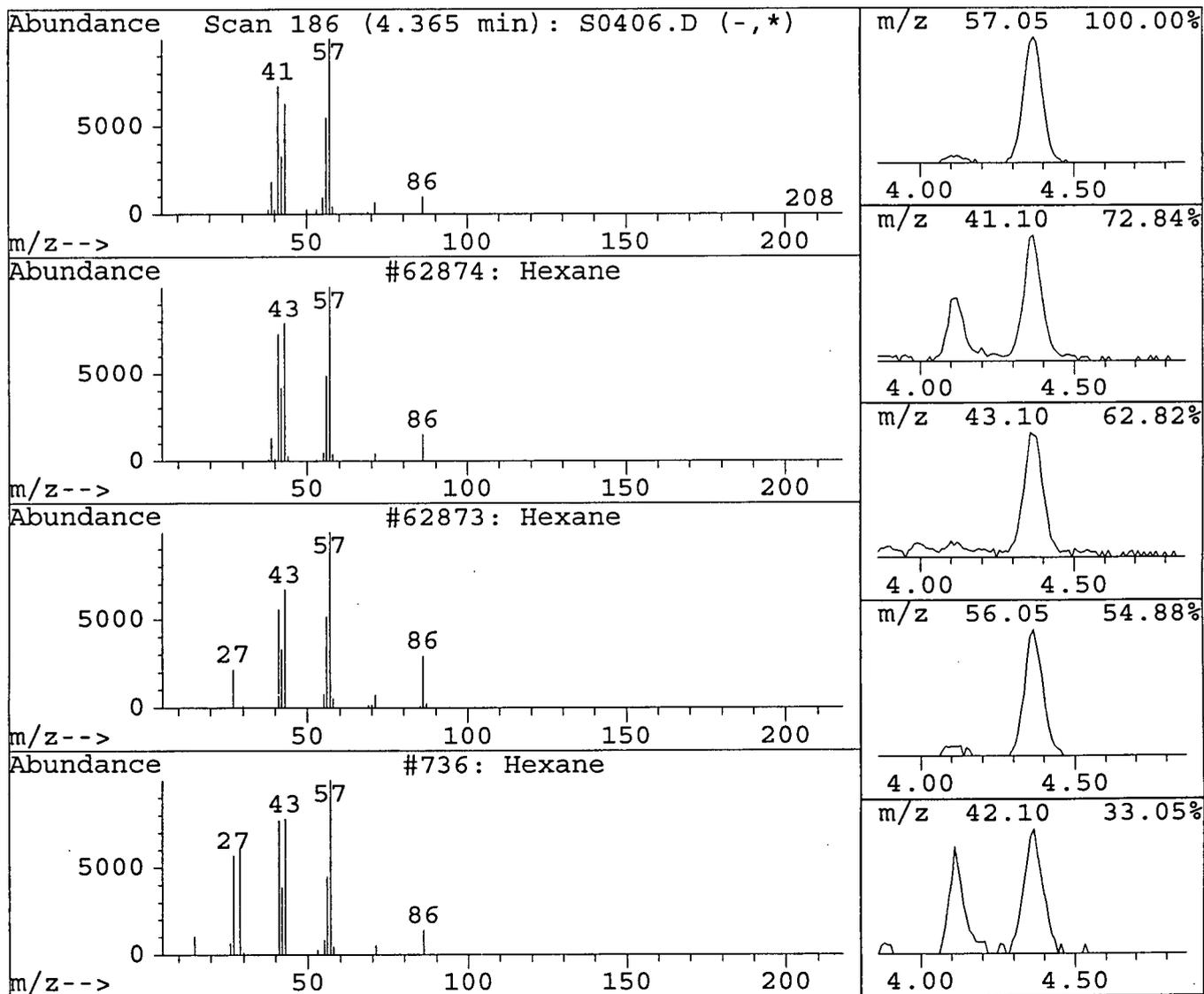
Data File : C:\HPCHEM\1\DATA\S0406.D  
 Acq Time : 4 Sep 94 12:58 am  
 Sample : SL-6/7 5.208g/5ml  
 Misc :

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   |



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)

CONCENTRATION UNITS:

| CAS NO.     | COMPOUND                   | (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