Client: U.S. ARMY CORPS OF ENGINEERS
Sample: IC-BS-9

Lab ID: W304JI09
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8121
Corresponding Blank: R119A004

Date Sampled: 04/18/93
Date Extracted: 04/27/93
Date Analyzed: 04/29/93
Time Analyzed: 22:28
Analyst: ED

File ID: 4:R118A/R119A011
Dilution Factor: 1.0

Chlorinated Hydrocarbons Analysis

Compound	Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
1,3-Dichlorobenzene			BQL	83.1
1,4-Dichlorobenzene			BQL	296
1,2-Dichlorobenzene			BQL	89.7
Hexachloroethane			BQL	1.66
1,2,4-Trichlorobenzene			BQL	43.2
Hexachlorobutadiene			BQL	1.66
2-Chloronaphthalene			BQL	432
Hexachlorobenzene			BQL	1.66

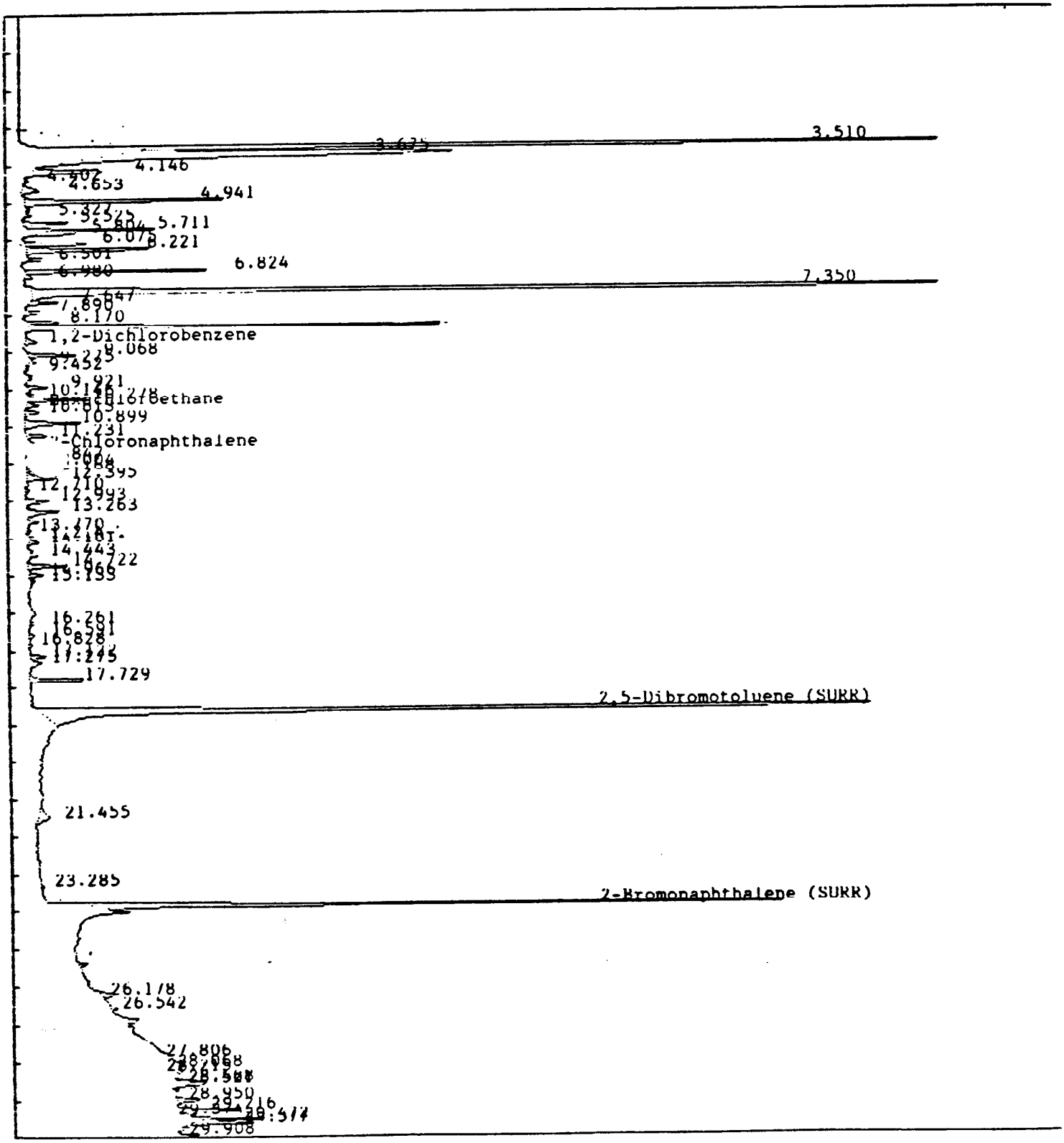
Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
2,5-Dibromotoluene	664.	73	53-168 ***
2-Bromonaphthalene	664.	69	42-129 ***

NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only

Chlorinated Hydrocarbons Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/R119A011.RES

Sample Name: W304JI09
Date Analyzed: 2228 29Apr1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

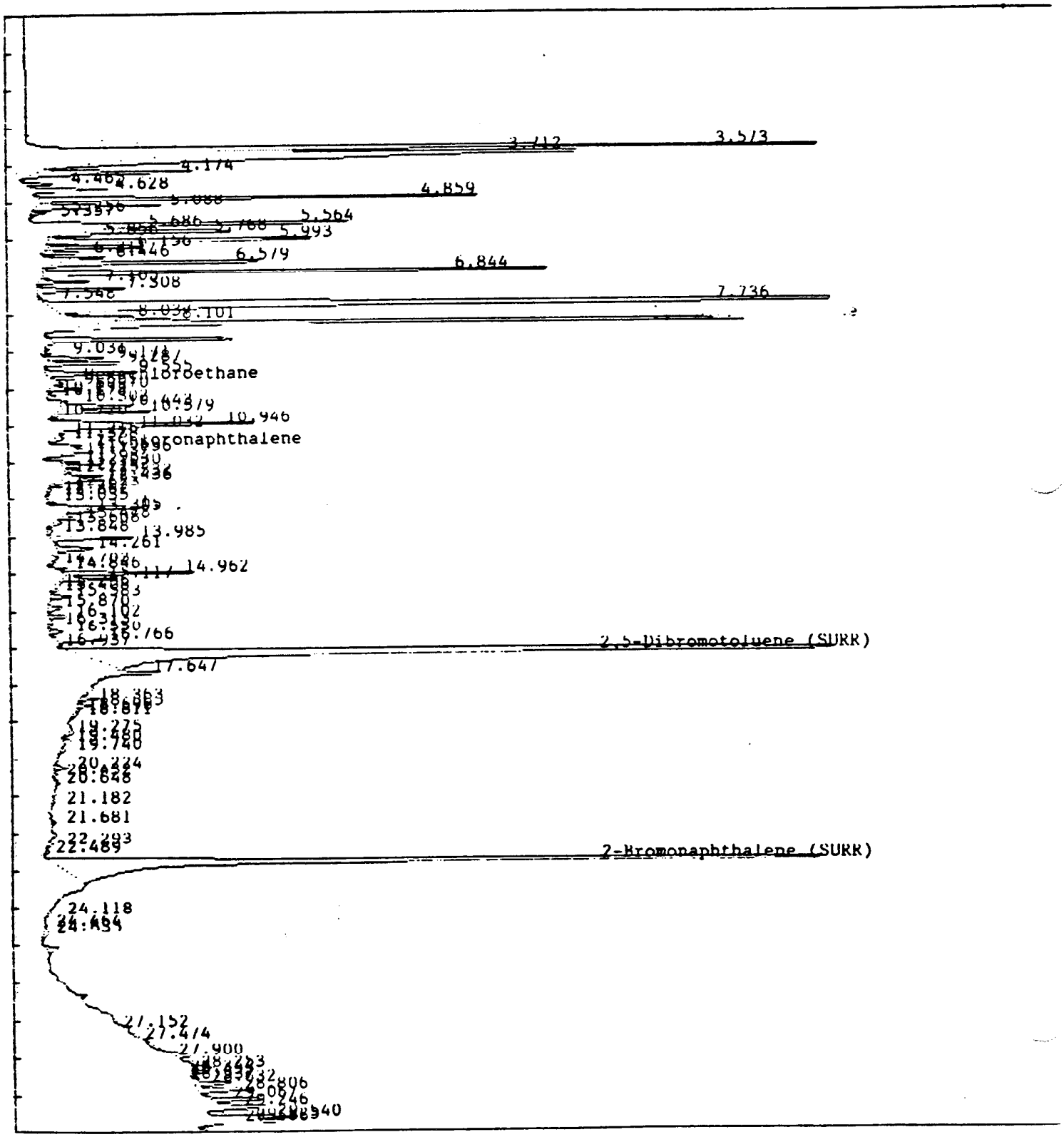
Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 11
Bottle : 11
Run Time: 30.00 min.



Chlorinated Hydrocarbons Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/R119B011.RES

Sample Name: W304J109
Date Analyzed: 2228 29Apr1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 11
Bottle : 11
Run Time: 30.00 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: IC-BS-7

Lab ID: W304JI11
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8121
Corresponding Blank: R119A004

Date Sampled: 04/18/93
Date Extracted: 04/27/93
Date Analyzed: 04/29/93
Time Analyzed: 23:03
Analyst: ED

File ID: 4:R118A/R119A012
Dilution Factor: 1.0

Chlorinated Hydrocarbons Analysis

Compound	Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
1,3-Dichlorobenzene			BQL	83.1
1,4-Dichlorobenzene			BQL	296
1,2-Dichlorobenzene			BQL	89.7
Hexachloroethane			BQL	1.66
1,2,4-Trichlorobenzene			BQL	43.2
Hexachlorobutadiene			BQL	1.66
2-Chloronaphthalene			BQL	432
Hexachlorobenzene			BQL	1.66

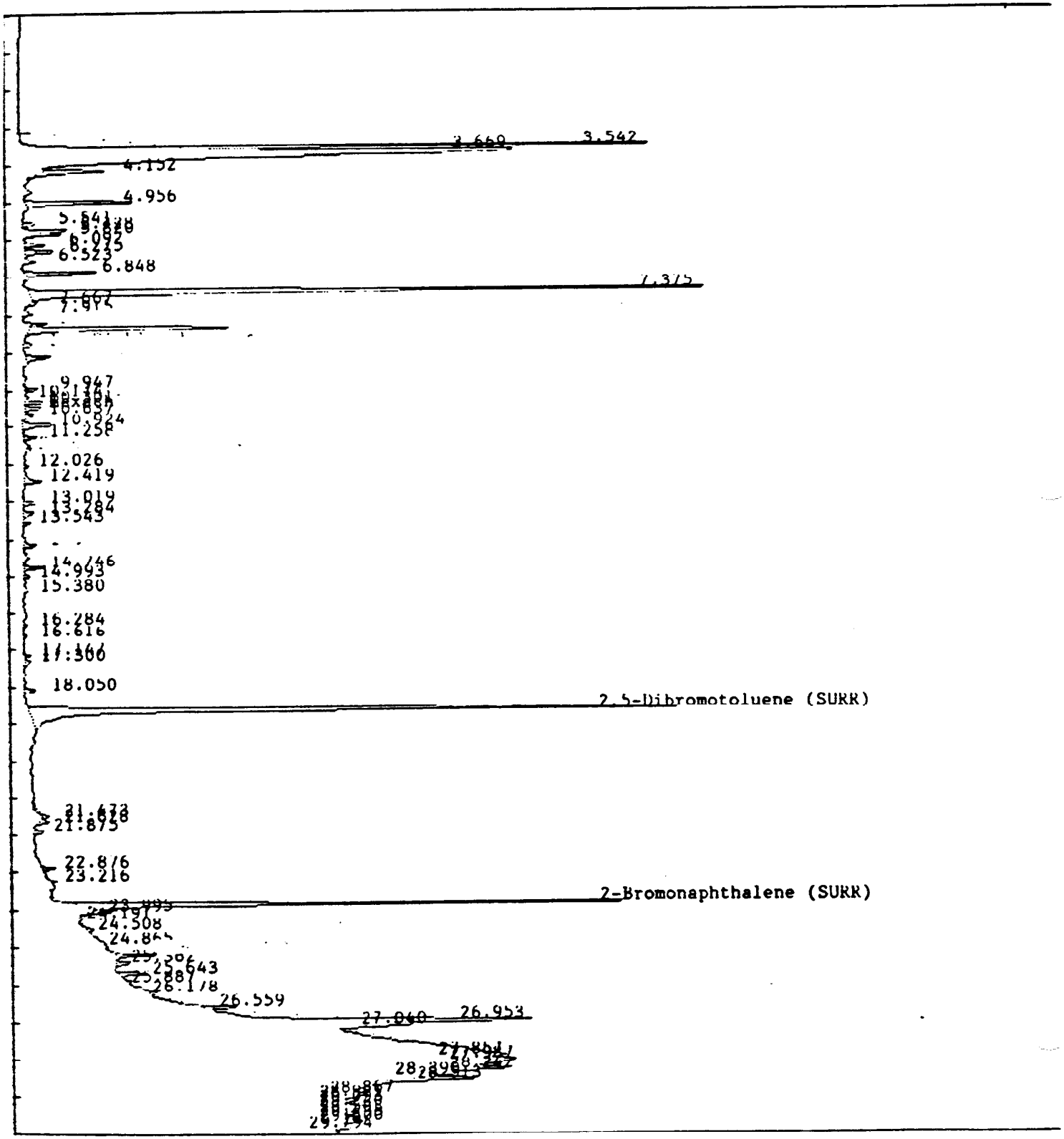
Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
2,5-Dibromotoluene	664.	58	53-168 ***
2-Bromonaphthalene	664.	60	42-129 ***

NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only

Chlorinated Hydrocarbons Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/R119A012.RES

Sample Name: W304J111
Date Analyzed: 2303 29Apr1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

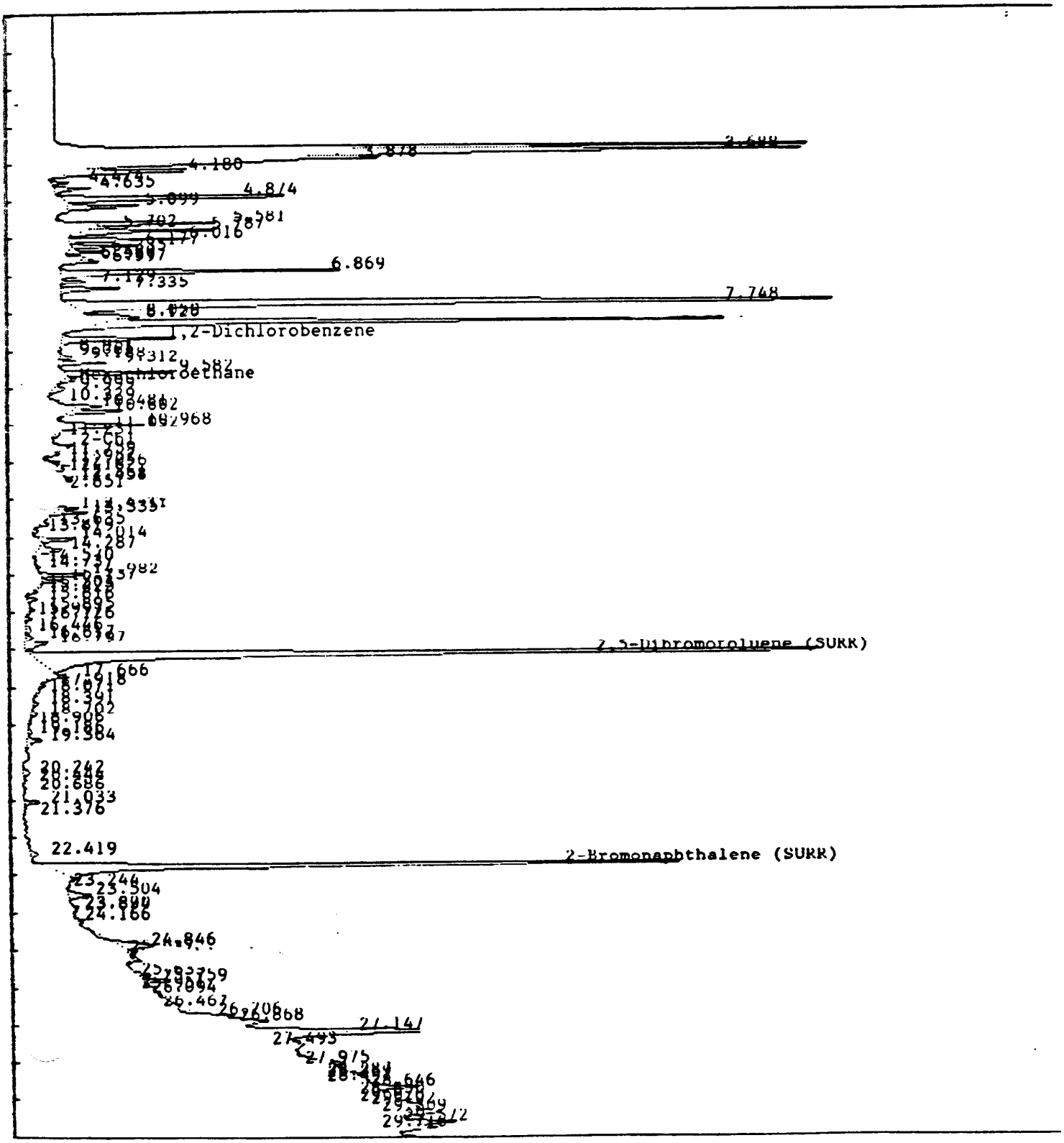
Dil. Factor: 1.0
Instrument: GC-R (HP 5890 11)
Seq/Smpl: 1/ 12
Bottle : 12
Run Time: 30.02 min.



Chlorinated Hydrocarbons Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/R119B012.RES

Sample Name: W304JI11
Date Analyzed: 2303 29Apr1993
Co[illegible]n: 30 M x 0.32 mm DB-1701 (FSCC)
De[illegible]tor: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 12
Bottle : 12
Run Time: 30.02 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: EXTRACTION BLANK
Blank Spike
Lab ID: BSPBLK1327
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8121
Corresponding Blank: R119A004

Date Sampled: N/A
Date Extracted: 04/27/93
Date Analyzed: 04/29/93
Time Analyzed: 18:27
Analyst: ED

File ID: 4:R118A/R119A005
Dilution Factor: 1.0

Chlorinated Hydrocarbons Analysis

Compound		Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
1,3-Dichlorobenzene				BQL	83.2
1,4-Dichlorobenzene				BQL	296
1,2-Dichlorobenzene				BQL	89.9
Hexachloroethane	MS	10.52	9.67	95% Recovery	1.66
1,2,4-Trichlorobenzene				BQL	43.3
Hexachlorobutadiene	MS	14.21	13.42	94% Recovery	1.66
2-Chloronaphthalene				BQL	433
Hexachlorobenzene	MS	25.86	25.27	68% Recovery	1.66

Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
2,5-Dibromotoluene	666.	66	53-168 ***
2-Bromonaphthalene	666.	65	42-129 ***

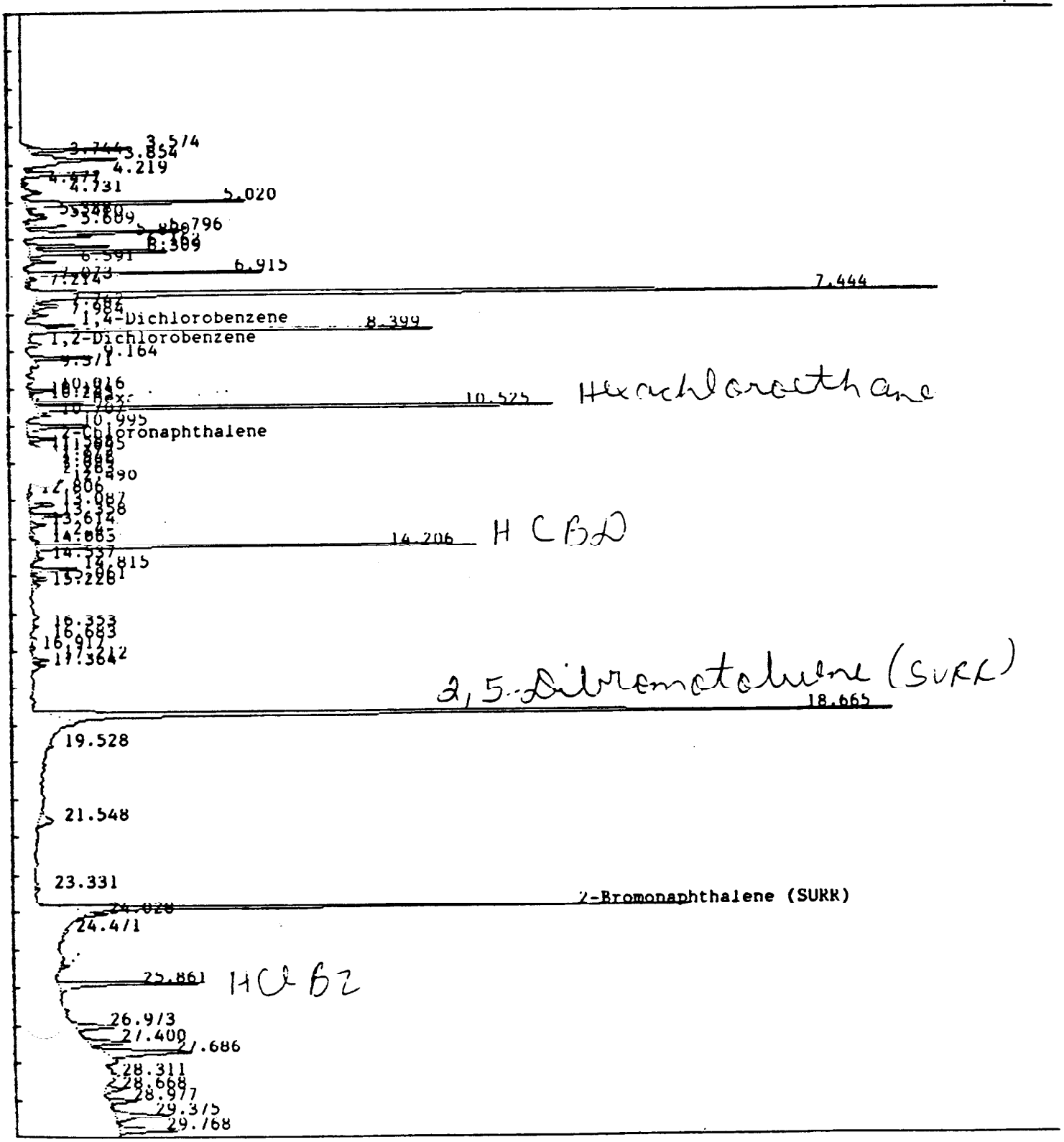
NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only
MS : Matrix Spike Compound:

Matrix Spike Compound:	Spike Level (ug/kg):	QC Range
Hexachloroethane	33.3	0-112 ***
Hexachlorobutadiene	33.3	27-103 ***
Hexachlorobenzene	33.3	0-117 ***

Chlorinated Hydrocarbons Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/R119A005.RES

Sample Name: BS1327 BLK SPK
Date Analyzed: 1857 29Apr1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

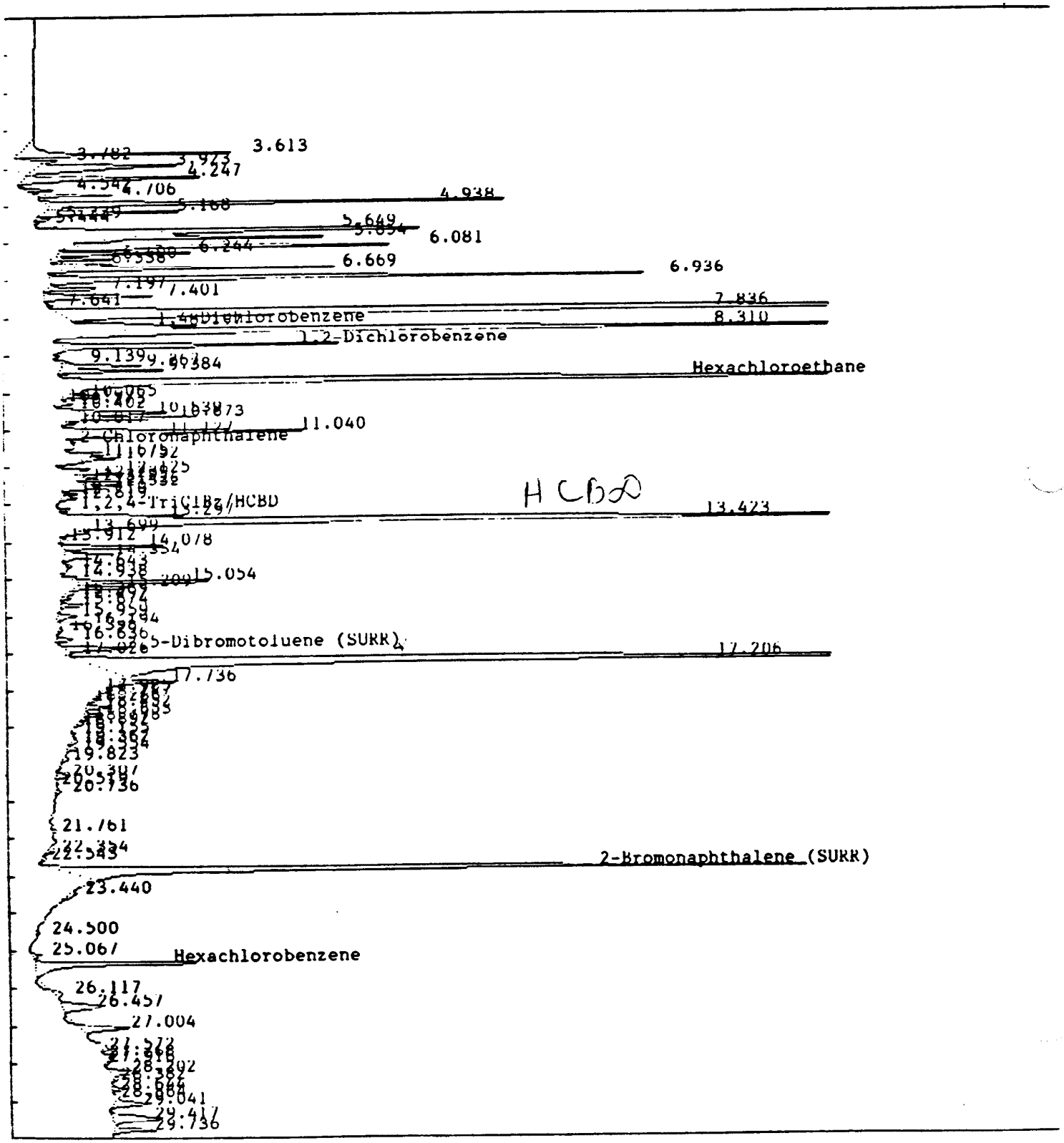
Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 5
Bottle : 5
Run Time: 30.00 min.



Chlorinated Hydrocarbons Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/R119B005.RES

Sample Name: BS1327 BLK SPK
Date Analyzed: 1857 29Apr1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 5
Bottle : 5
Run Time: 30.00 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: EXTRACTION BLANK
Blank Spike Duplicate
Lab ID: BDPBLK1327
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8121
Corresponding Blank: R119A004

Date Sampled: N/A
Date Extracted: 04/27/93
Date Analyzed: 04/29/93
Time Analyzed: 16:49
Analyst: ED
File ID: 4:R118A/R125A011
Dilution Factor: 1.0

Chlorinated Hydrocarbons Analysis

Compound		Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
1,3-Dichlorobenzene				BQL	83.2
1,4-Dichlorobenzene				BQL	296
1,2-Dichlorobenzene				BQL	89.9
Hexachloroethane	MS	10.76	9.88	95% Recovery	1.66
1,2,4-Trichlorobenzene				BQL	43.3
Hexachlorobutadiene	MS	14.54	13.72	103% Recovery	1.66
2-Chloronaphthalene				BQL	433
Hexachlorobenzene	MS	25.98	25.40	94% Recovery	1.66

Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
2,5-Dibromotoluene	666.	74	53-168 ***
2-Bromonaphthalene	666.	100	42-129 ***

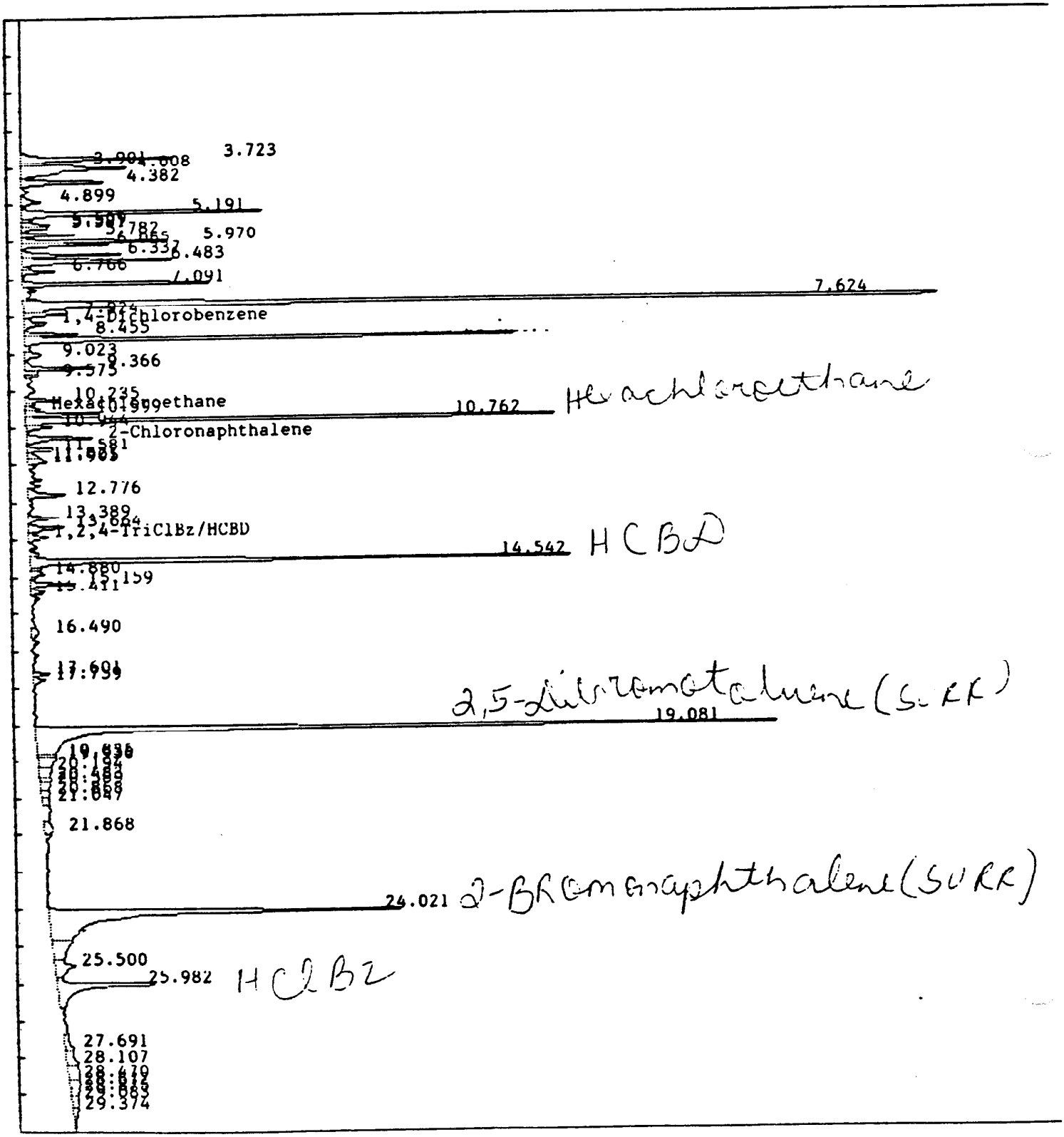
NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only
MS : Matrix Spike Compound:

Matrix Spike Compound:	Spike Level (ug/kg):	QC Range
Hexachloroethane	33.3	0-112 ***
Hexachlorobutadiene	33.3	27-103 ***
Hexachlorobenzene	33.3	0-117 ***

Chlorinated Hydrocarbons Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/R125A011.RES

Sample Name: BSD1327 BLK SPK DUP
Date Analyzed: 1649 05May1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

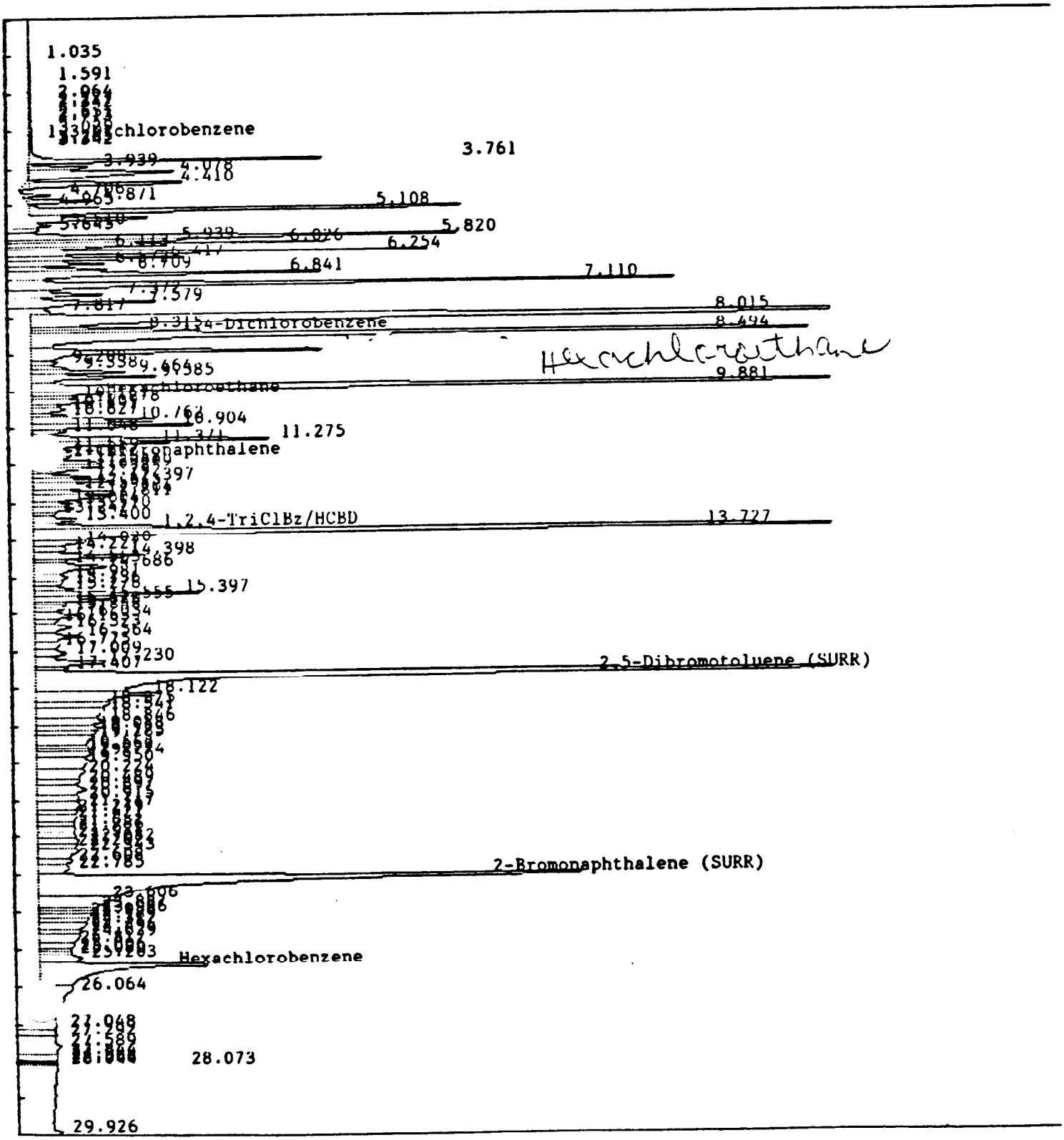
Dil. Factor: 1.0
Instrument: GC-R (HP 5890
Seq/Smpl: 1/ 11
Bottle : 28
Run Time: 30.02 min.



Chlorinated Hydrocarbons Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/R125B011.RES

Sample Name: BSD1327 BLK SPK DUP
Date Analyzed: 1649 05May1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 11
Bottle : 28
Run Time: 30.02 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: EXTRACTION BLANK

Lab ID: PBLK1327
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8121

Date Sampled: N/A
Date Extracted: 04/27/93
Date Analyzed: 04/29/93
Time Analyzed: 18:22
Analyst: ED

File ID: 4:R118A/R119A004
Dilution Factor: 1.0

Chlorinated Hydrocarbons Analysis

Compound	Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
1,3-Dichlorobenzene			BQL	83.1
1,4-Dichlorobenzene			BQL	296
1,2-Dichlorobenzene			BQL	89.7
Hexachloroethane			BQL	1.66
1,2,4-Trichlorobenzene			BQL	43.2
Hexachlorobutadiene			BQL	1.66
2-Chloronaphthalene			BQL	432
Hexachlorobenzene			BQL	1.66

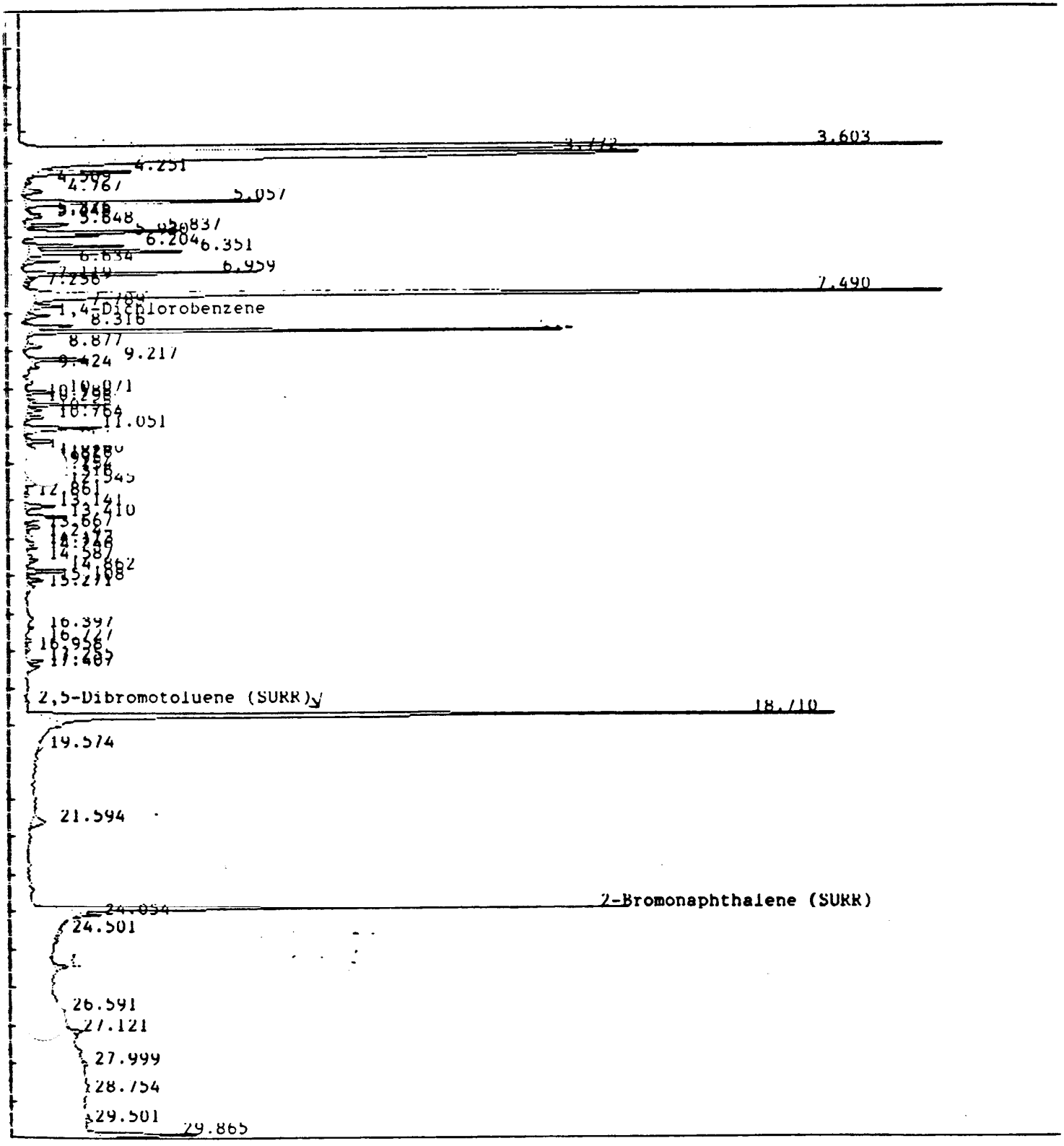
Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
2,5-Dibromotoluene	664.	57	53-168 ***
2-Bromonaphthalene	664.	63	42-129 ***

NOTES: PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only

Chlorinated Hydrocarbons Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/R119A004.RES

Sample Name: PBLK1327 EXT BLK
Da' Analyzed: 1822 29Apr1993
Co n: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

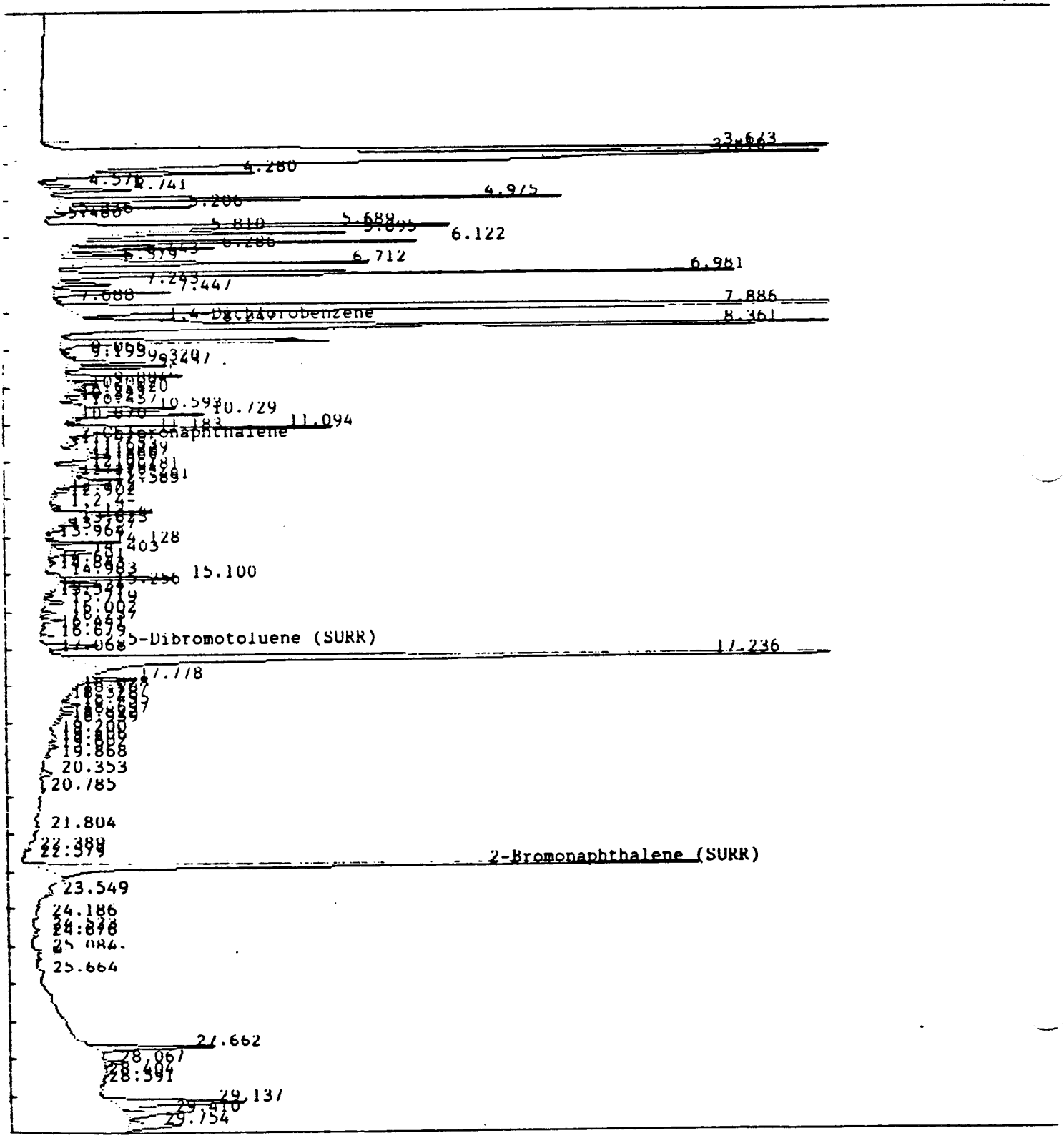
Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 4
Bottle : 4
Run Time: 30.00 min.



Chlorinated Hydrocarbons Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/R119B004.RES

Sample Name: PBLK1327 EXT BLK
Date Analyzed: 1822 29Apr1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-R (HP 5890 II)
Seq/Smpl: 1/ 4
Bottle : 4
Run Time: 30.00 min.



Client: U.S. ARMY CORPS OF ENG.
Sample: IC-BS-5

Lab ID: W304JI06
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8080
Corresponding Blank: 0120A026

Date Sampled: 04/17/93
Date Extracted: 04/26/93
Date Analyzed: 05/01/93
Time Analyzed: 01:03
Analyst: PRM
Sample pH: 8.1
File ID: 2:0120AA/0120A028
Dilution Factor: 1.0

Pesticides/PCB Analysis

Compound	Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
alpha-BHC			BQL	1.00
beta-BHC			BQL	1.99
delta-BHC			BQL	2.99
gamma-BHC (Lindane)			BQL	1.33
Heptachlor			BQL	1.00
Aldrin			BQL	1.33
Heptachlor epoxide			BQL	1.00
Endosulfan I			BQL	4.64
Dieldrin			BQL	0.66
4,4'-DDE			BQL	1.33
Endrin			BQL	1.99
Endosulfan II			BQL	1.33
4,4'-DDD			BQL	3.65
Endosulfan sulfate			BQL	21.9
4,4'-DDT			BQL	3.98
4,4'-Methoxychlor			BQL	58.4
Endrin aldehyde			BQL	6.63
Chlordane (technical)			BQL	4.64
Toxaphene			BQL	79.6
Aroclor-1016			BQL	16.6
Aroclor-1221			BQL	16.6
Aroclor-1232			BQL	16.6
Aroclor-1242			BQL	16.6
Aroclor-1248			BQL	16.6
Aroclor-1254			BQL	33.2
Aroclor-1260			BQL	33.2

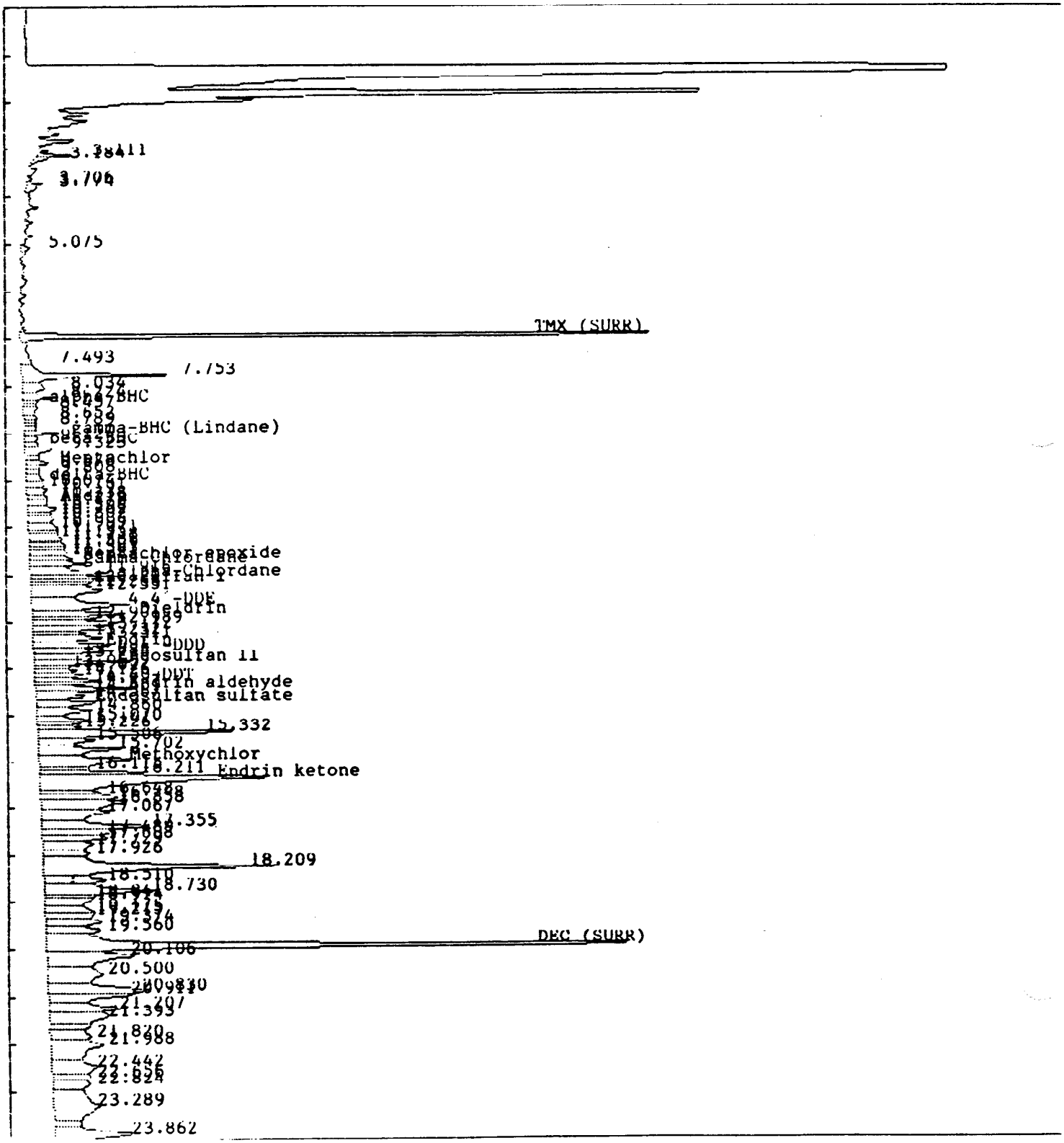
Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
Tetrachloro-m-xylene	66.3	45	54-131 ***
Decachlorobiphenyl	66.3	64	73-155 ***

NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only

Chlorinated Pesticides/PCBs Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/0120A028.RES

Sample Name: W304JI06
Date Analyzed: 0103 01May1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

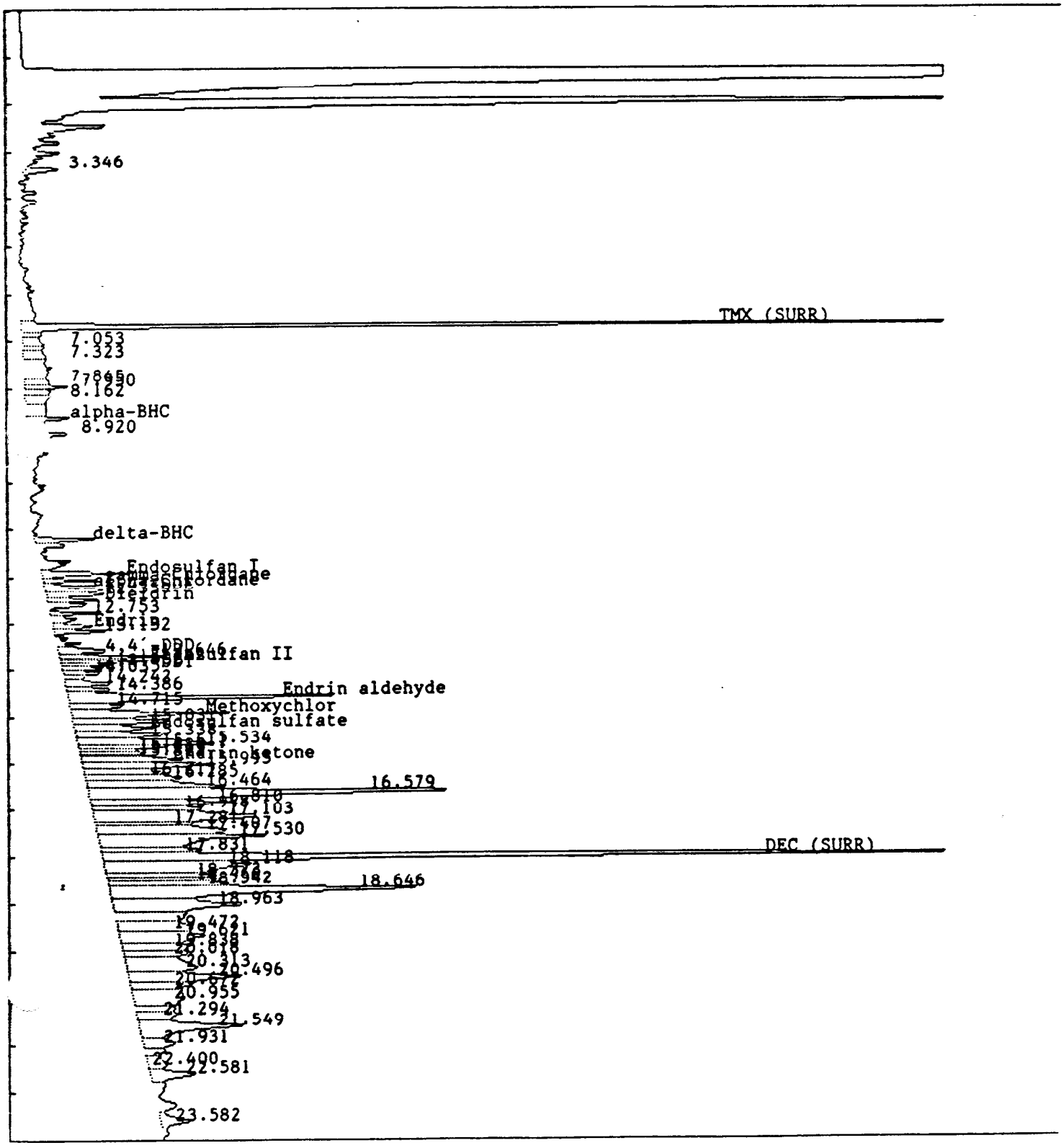
Dil. Factor: 1.0
Instrument: GC-O (HP 5890)
Seq/Smpl: 1/ 28
Bottle : 28
Run Time: 24.02 min.



Chlorinated Pesticides/PCBs Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/0120B027.RES

ole Name: W304JI06
e Analyzed: 0103 01May1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-O (HP 5890 II)
Seq/Smpl: 1/ 27
Bottle : 27
Run Time: 24.02 min.



Client: U.S. ARMY CORPS OF ENG.
Sample: Laboratory Control Spike

Lab ID: LCSPBLK1315
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8080
Corresponding Blank: 0120A026

Date Sampled: N/A
Date Extracted: 04/26/93
Date Analyzed: 05/01/93
Time Analyzed: 00:35
Analyst: PRM
Sample pH: 10.1
File ID: 2:0120AA/0120A027
Dilution Factor: 1.0

Pesticides/PCB Analysis

Compound		Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
alpha-BHC				BQL	1.00
beta-BHC				BQL	1.99
delta-BHC				BQL	2.99
gamma-BHC (Lindane)	MS	9.27	9.30	70% Recovery	1.33
Heptachlor	MS	9.93	9.67	72% Recovery	1.00
Aldrin	MS	10.60	10.17	106% Recovery	1.33
Heptachlor epoxide				BQL	1.00
Endosulfan I				BQL	4.65
Dieldrin	MS	12.98	12.62	90% Recovery	0.67
4,4'-DDE				BQL	1.33
Endrin	MS	13.68	13.00	90% Recovery	1.99
Endosulfan II				BQL	1.33
4,4'-DDD				BQL	3.66
Endosulfan sulfate				BQL	21.9
4,4'-DDT	MS	14.42	13.96	92% Recovery	3.99
4,4'-Methoxychlor				BQL	58.5
Endrin aldehyde				BQL	6.65
Chlordane (technical)				BQL	4.65
Toxaphene				BQL	79.8
Aroclor-1016				BQL	16.6
Aroclor-1221				BQL	16.6
Aroclor-1232				BQL	16.6
Aroclor-1242				BQL	16.6
Aroclor-1248				BQL	16.6
Aroclor-1254				BQL	33.2
Aroclor-1260				BQL	33.2

Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
Tetrachloro-m-xylene	66.5	74	54-131 ***
Decachlorobiphenyl	66.5	112	73-155 ***

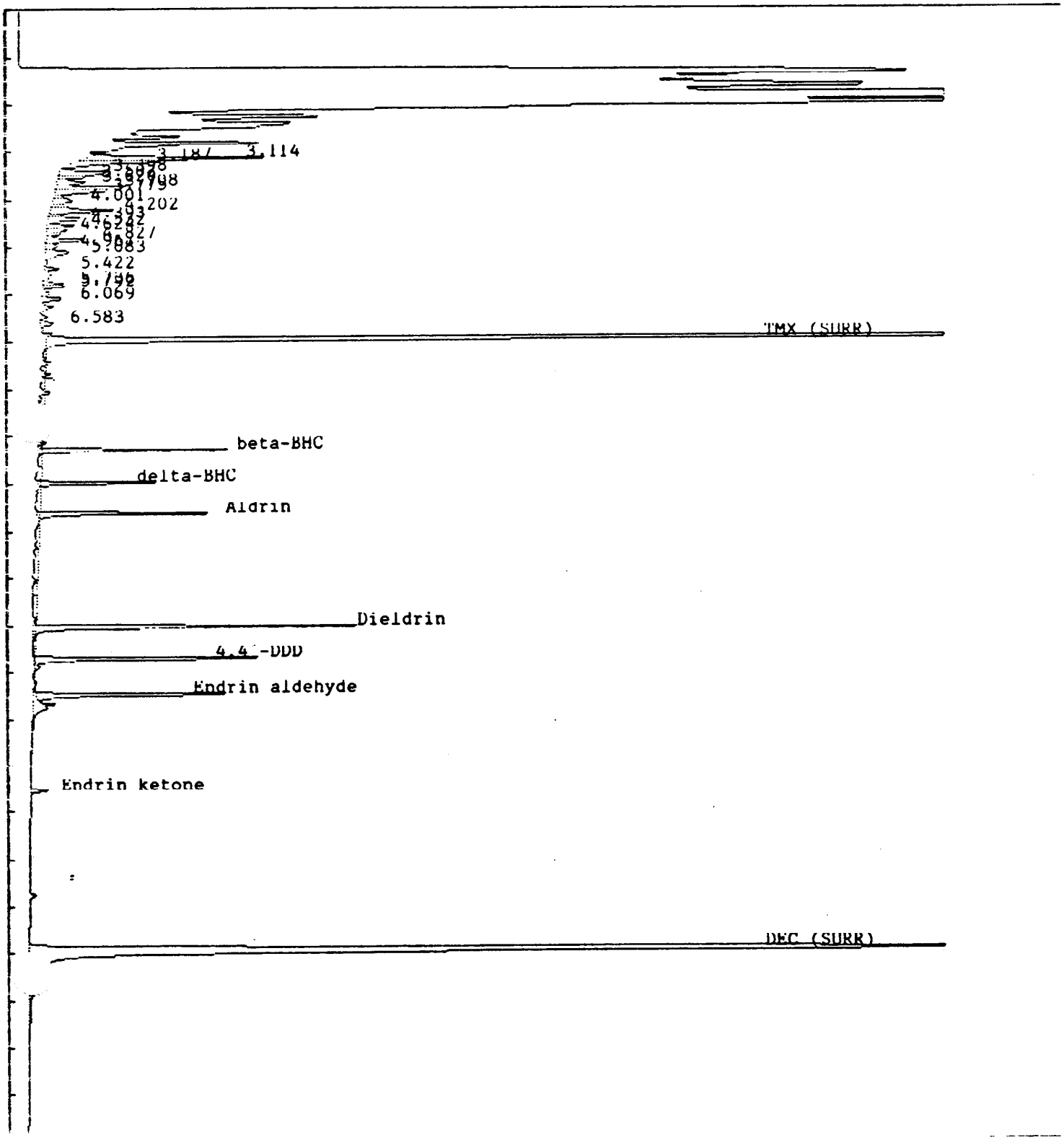
NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only
MS : Matrix Spike Compound:

Matrix Spike Compound:	Spike Level (ug/kg):	QC Range
gamma-BHC (Lindane)	8.31	11-171
Heptachlor	8.31	46-144
Aldrin	8.31	14-165
Dieldrin	16.6	47-153
Endrin	16.6	42-148
4,4'-DDT	16.6	25-176

Chlorinated Pesticides/PCBs Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/0120A027.RES

Sample Name: **LCS LAB CONT SPK**
Date Analyzed: 0035 01May1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

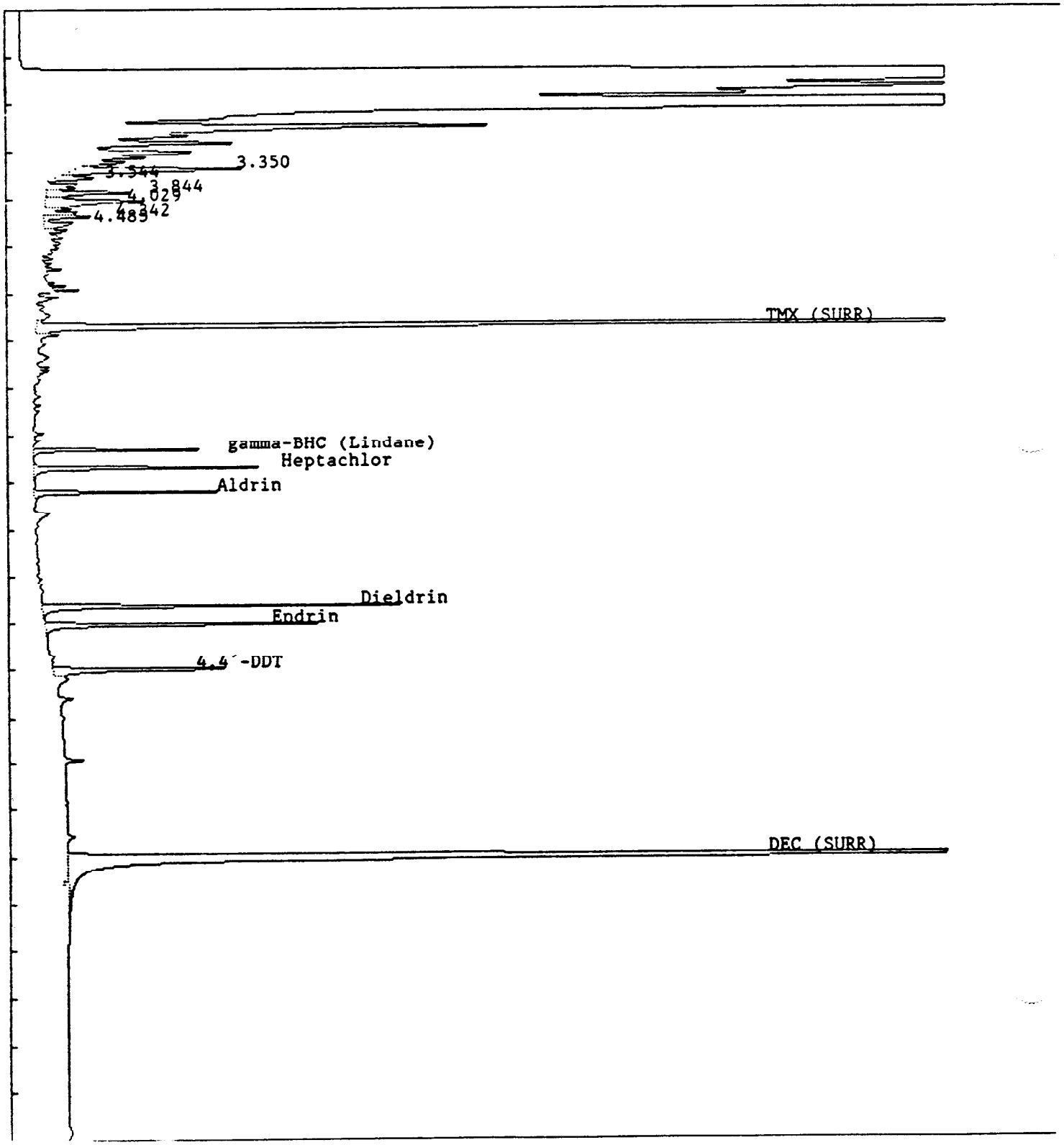
Dil. Factor: 1.0
Instrument: GC-O (HP 5890 II)
Seq/Smpl: 1/ 27
Bottle : 27
Run Time: 24.00 min.



Chlorinated Pesticides/PCBs Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/0120B026.RES

Sample Name: **LCS LAB CONT SPK**
Date Analyzed: 0035 01May1993
Column: 30 M x 0.32 mm DB-1701 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-O (HP 589 I)
Seq/Smpl: 1/ 26
Bottle : 26
Run Time: 24.00 min.



Client: U.S. ARMY CORPS OF ENG.
Sample: EXTRACTION BLANK

Lab ID: PBLK1315
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: SW-846 8080

Date Sampled: N/A
Date Extracted: 04/26/93
Date Analyzed: 05/01/93
Time Analyzed: 00:07
Analyst: PRM
Sample pH: 10.1
File ID: 2:0120AA/0120A026
Dilution Factor: 1.0

Pesticides/PCB Analysis

Compound	Chrom. Ret. Time Col. 1 Col. 2 * (min.)	Sample Concentration (ug/kg)	PQL (ug/kg)
alpha-BHC		BQL	1.00
beta-BHC		BQL	1.99
delta-BHC		BQL	2.99
gamma-BHC (Lindane)		BQL	1.33
Heptachlor		BQL	1.00
Aldrin		BQL	1.33
Heptachlor epoxide		BQL	1.00
Endosulfan I		BQL	4.64
Dieldrin		BQL	0.66
4,4'-DDE		BQL	1.33
Endrin		BQL	1.99
Endosulfan II		BQL	1.33
4,4'-DDD		BQL	3.65
Endosulfan sulfate		BQL	21.9
4,4'-DDT		BQL	3.98
4,4'-Methoxychlor		BQL	58.4
Endrin aldehyde		BQL	6.63
Chlordane (technical)		BQL	4.64
Toxaphene		BQL	79.6
Aroclor-1016		BQL	16.6
Aroclor-1221		BQL	16.6
Aroclor-1232		BQL	16.6
Aroclor-1242		BQL	16.6
Aroclor-1248		BQL	16.6
Aroclor-1254		BQL	33.2
Aroclor-1260		BQL	33.2

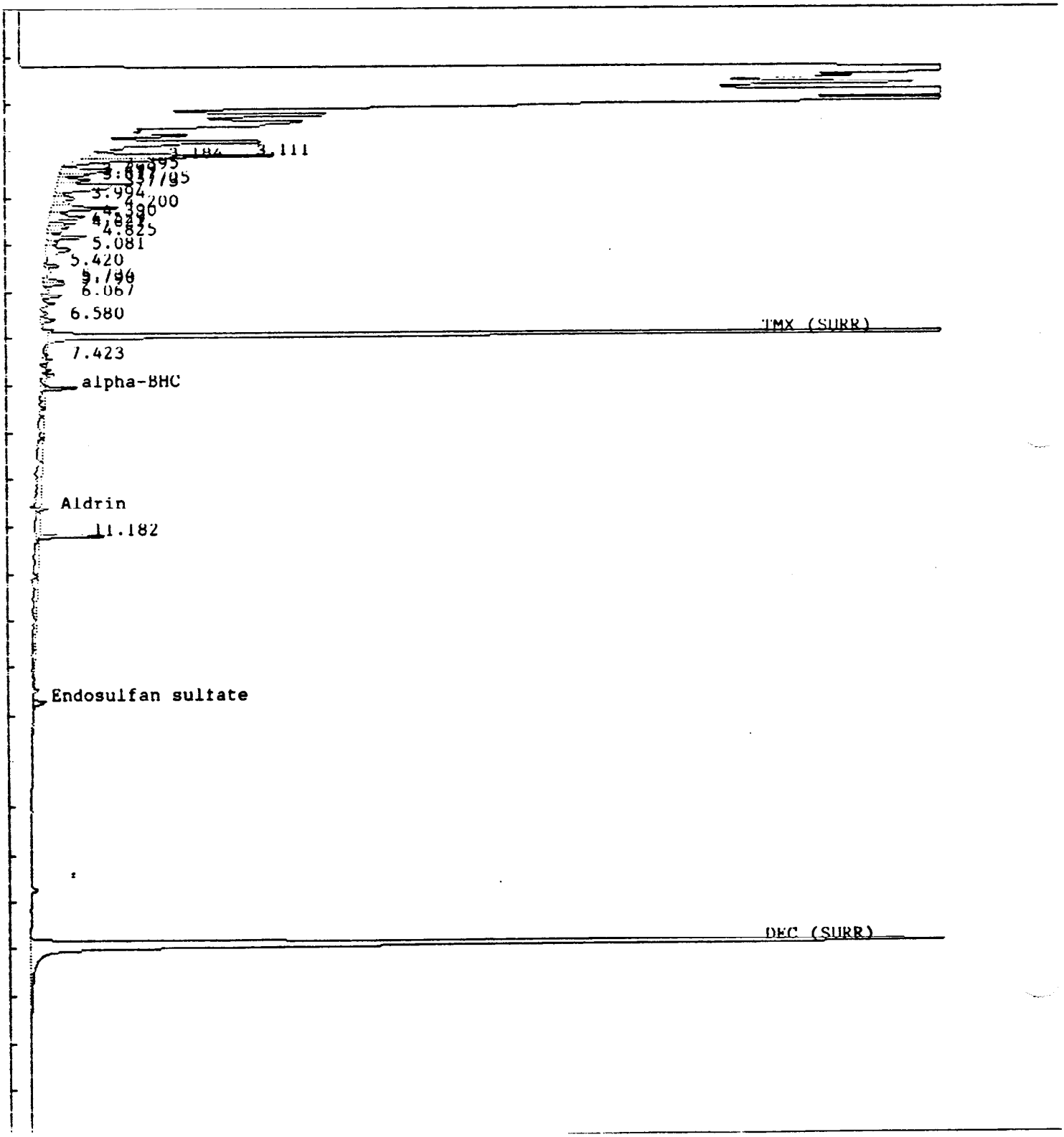
Surrogate Recovery	Spike Level (ug/kg)	%Rec	QC Range
Tetrachloro-m-xylene	66.3	64	54-131 ***
Decachlorobiphenyl	66.3	108	73-155 ***

NOTES: PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 30 M x 0.32 mm DB-17 (FSCC)
Col. 2: 30 M x 0.32 mm DB-1701 (FSCC)
N/R: Procedure Not Required
***: Recovery Limits Indicated are Advisory Only

Chlorinated Pesticides/PCBs Analysis (Primary Run)
File ID: /DATA/LOOP/RESULT/0120A026.RES

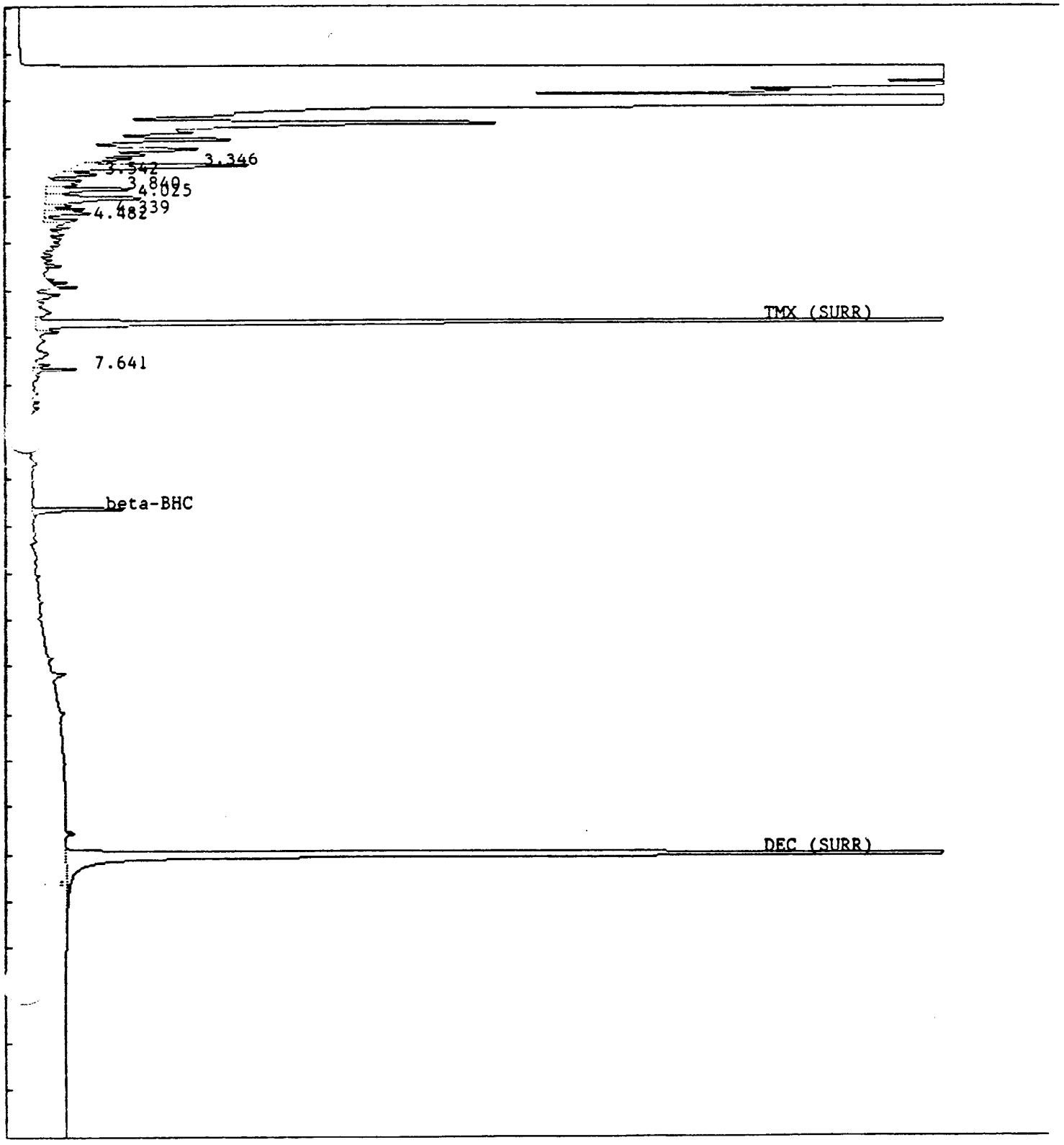
Sample Name: PBLK1315 EXT BLK
Date Analyzed: 000/ 01May1993
Column: 30 M x 0.32 mm DB-17 (FSCC)
Detector: Electron Capture (ECD)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-O (HP 5890)
Seq/Smpl: 1/ 26
Bottle : 26
Run Time: 24.00 min.



Chlorinated Pesticides/PCBs Analysis (Secondary Run)
File ID: /DATA/LOOP/RESULT/0120B025.RES

ıple Name:	PBLK1315 EXT BLK	Dil. Factor:	1.0
..e Analyzed:	0007 01May1993	Instrument:	GC-O (HP 5890 II
Column:	30 M x 0.32 mm DB-1701 (FSCC)	Seq/Smpl:	1/ 25
Detector:	Electron Capture (ECD)	Bottle :	25
Inj. Volume:	1.0 uL	Run Time:	24.00 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: IC-BS-1

Lab ID: W304JI01
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: CALIF. LUFT
Corresponding Blank: F111B003

Date Sampled: 04/15/93
Date Extracted: 04/20/93
Date Analyzed: 04/22/93
Time Analyzed: 04:00
Analyst: LAO

File ID: 4:F104B/F111B013
Dilution Factor: 1.0

Total Petroleum Hydrocarbons Analysis

Compound	Chrom. Ret. Time (min.) Col. 1	Col. 2 *	Sample Concentration (mg/kg)	PQL (mg/kg)
TPH (as Gasoline)			BQL	39.4
TPH (as Diesel Oil)			BQL	39.4

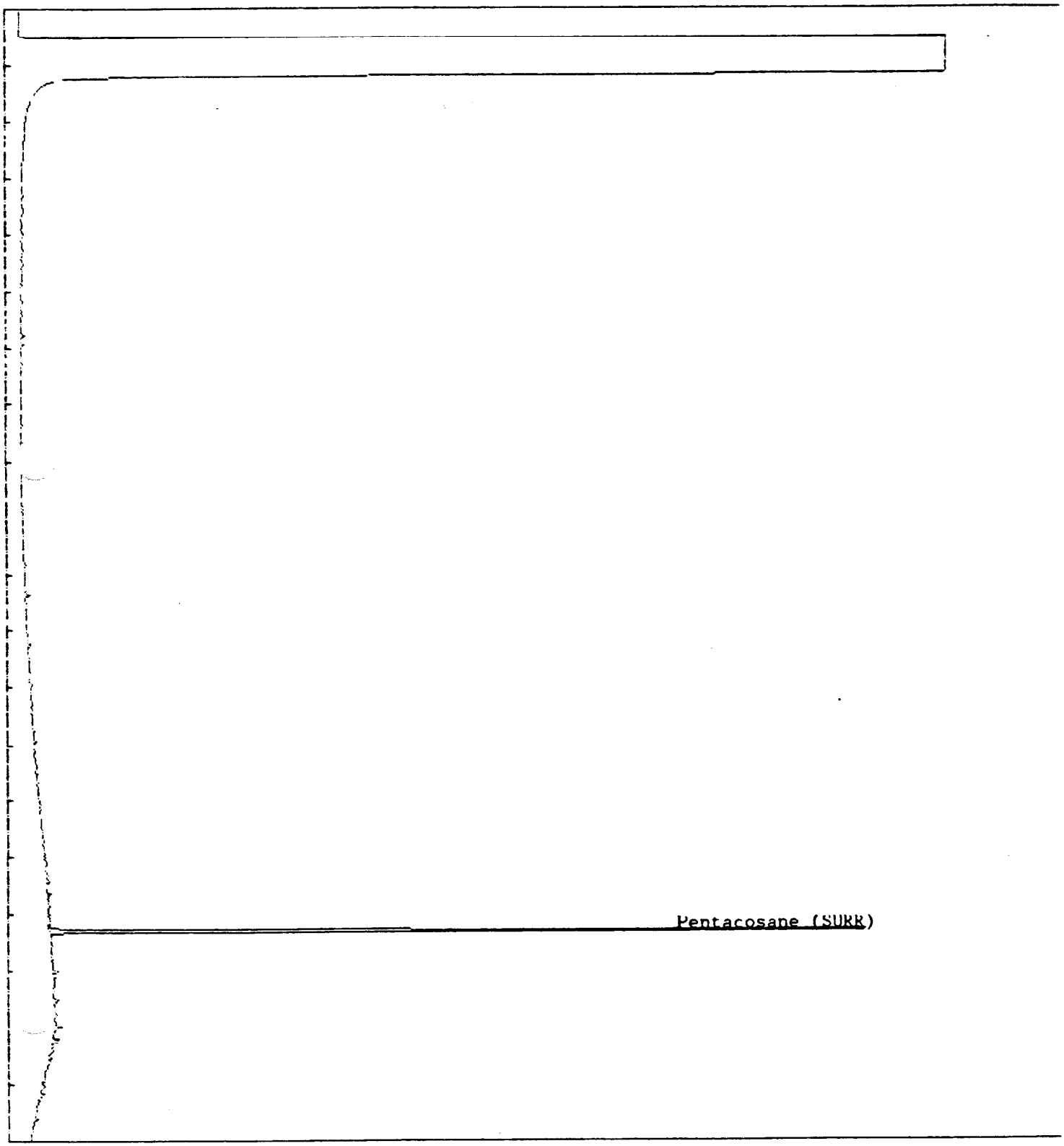
Surrogate Recovery	Spike Level (mg/kg)	%Rec	QC Range
n-Pentacosane	49.3	104	56-127

NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 15 M x 0.25 mm DB-1 (FSCC)
Col. 2: none
N/R: Procedure Not Required

Total Petroleum Hydrocarbons (TPH) Analysis
File ID: /DATA/LOOP/RESULT/F111B013.RES

Sample Name: **W304J101**
Analyzed: 0400 22Apr1993
Column: 15 M x 0.25 mm DB-1 (FSCC)
Detector: Flame Ionization (FID)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-F (HP 5890A)
Seq/Smpl: 1/ 13
Bottle : 23
Run Time: 20.02 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: Laboratory Control Spike

Lab ID: LCSSBLK1304
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: CALIF. LUFT
Corresponding Blank: F111B003

Date Sampled: N/A
Date Extracted: 04/20/93
Date Analyzed: 04/23/93
Time Analyzed: 00:26
Analyst: LAO

File ID: 4:F104B/F111B037
Dilution Factor: 1.0

Total Petroleum Hydrocarbons Analysis

Compound		Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (mg/kg)	PQL (mg/kg)
TPH (as Gasoline)				BQL	39.9
TPH (as Diesel Oil)	MS	9.36		131% Recovery	39.9

Surrogate Recovery	Spike Level (mg/kg)	%Rec	QC Range
n-Pentacosane	49.9	121	56-127

NOTES:
Sample Results Based on Wet Weight
PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 15 M x 0.25 mm DB-1 (FSCC)
Col. 2: none
N/R: Procedure Not Required
MS : Matrix Spike Compound: TPH (as Diesel Oil)

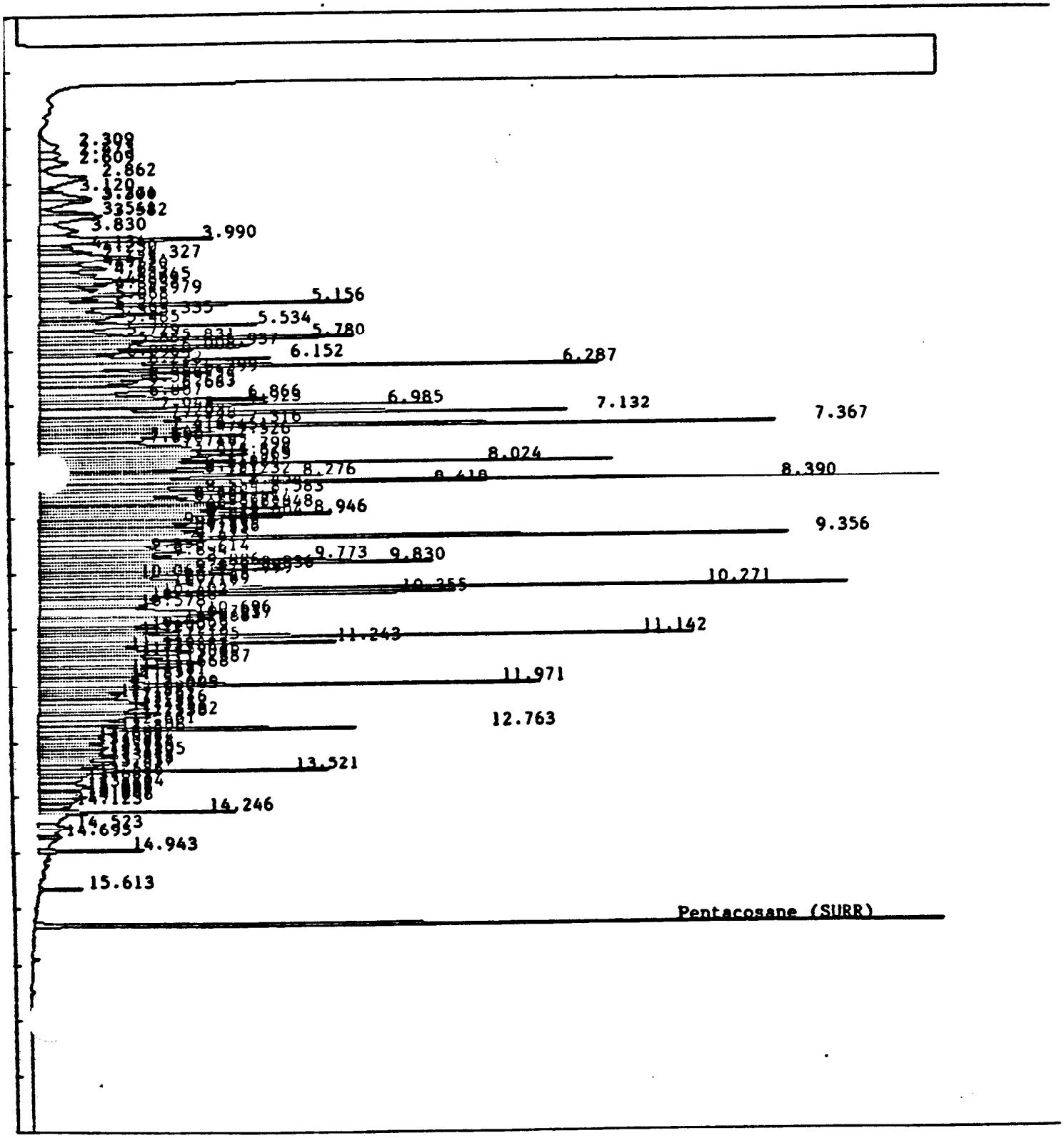
Spike Level (mg/kg):	QC Range
2000.	59-126

Total Petroleum Hydrocarbons (TPH) Analysis
File ID: /DATA/LOOP/RESULT/F111B037.RES

EF 4-26-93

Sample Name: ~~BS04JA01~~ BLK SPK
Data Analyzed: 0026 23Apr1993
Column: 15 M x 0.25 mm DB-1 (FSCC)
Detector: Flame Ionization (FID)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-F (HP 5890A)
Seq/Smpl: 1/ 37
Bottle : 47
Run Time: 20.02 min.



Client: U.S. ARMY CORPS OF ENGINEERS
Sample: EXTRACTION BLANK

Lab ID: SBLK1304
Extraction Method: SW-846 3550
Clean-up Method: N/R
GC Analytical Method: CALIF. LUFT

Date Sampled: N/A
Date Extracted: 04/20/93
Date Analyzed: 04/21/93
Time Analyzed: 23:23
Analyst: LAO

File ID: 4:F104B/F111B003
Dilution Factor: 1.0

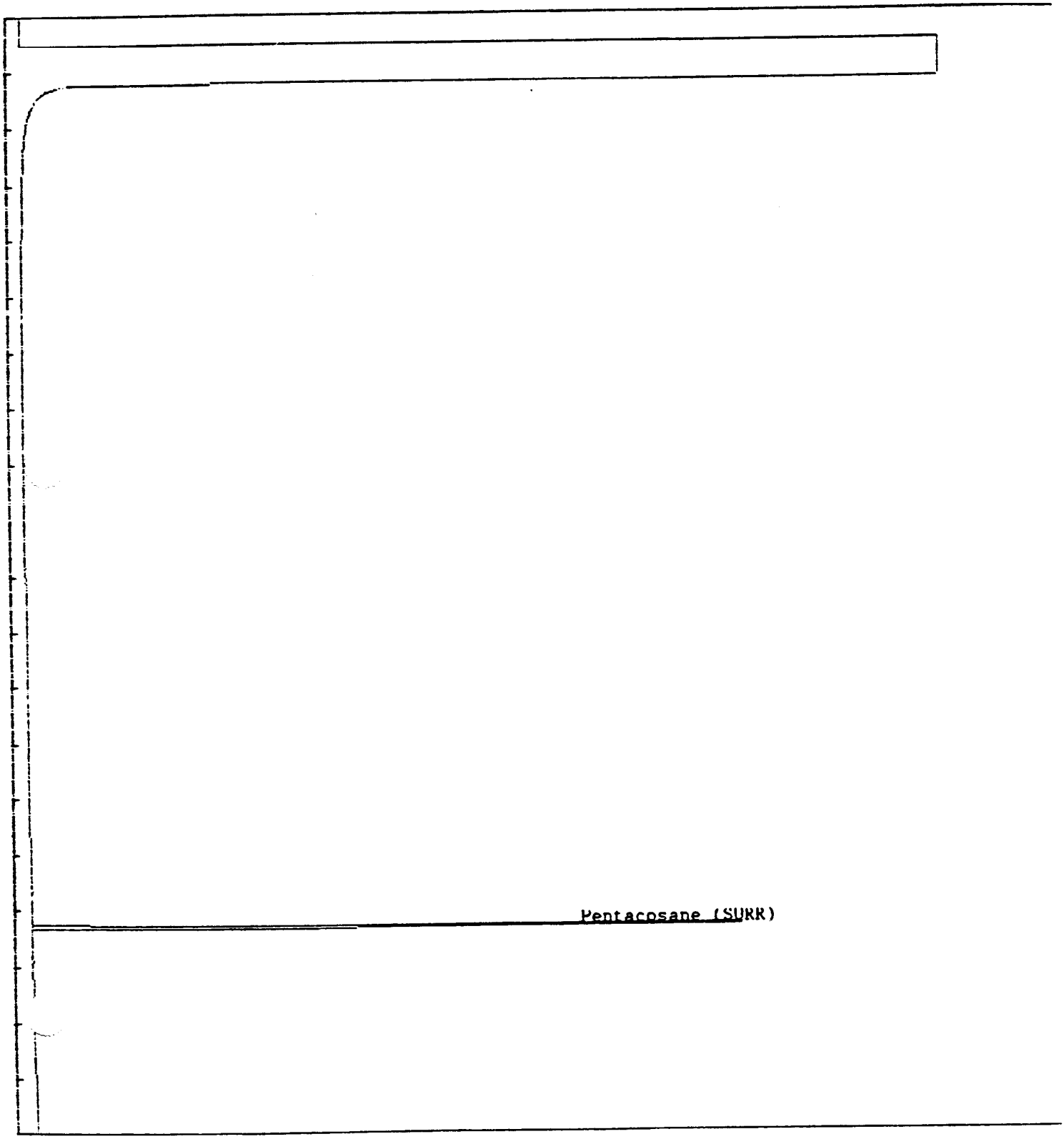
Total Petroleum Hydrocarbons Analysis

Compound	Chrom. Ret. Time Col. 1 (min.)	Chrom. Ret. Time Col. 2 * (min.)	Sample Concentration (mg/kg)	PQL (mg/kg)
TPH (as Gasoline)			BQL	39.8
TPH (as Diesel Oil)			BQL	39.8

Surrogate Recovery	Spike Level (mg/kg)	%Rec	QC Range
n-Pentacosane	49.7	102	56-127

NOTES: PQL: Practical Quantitation Limit
BQL: Below Quantitation Limit
* : Col. 1: 15 M x 0.25 mm DB-1 (FSCC)
Col. 2: none
N/R: Procedure Not Required

Total Petroleum Hydrocarbons (TPH) Analysis
File ID: /DATA/LOOP/RESULT/F111B003.RES

Sample Name: **SBLK1304 EXT BLK**
Data Analyzed: 2323 21Apr1993
Column: 15 M x 0.25 mm DB-1 (FSCC)
Detector: Flame Ionization (FID)
Inj. Volume: 1.0 uL

Dil. Factor: 1.0
Instrument: GC-F (HP 5890A)
Seq/Smpl: 1/ 3
Bottle : 3
Run Time: 20.00 min.