TRIMATRIX LABORATORIES

SECTION - C

GC SEMI-VOLATILE ORGANICS

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Individual sample results relate only to the sample tested.

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STATEMENT OF DATA QUALIFICATIONS

EDB and DBCP by EPA Method 8011

Qualification: The quality control batch(s), associated with the following samples and analyses, do not contain an MS/MSD or MS/DUP because client specific matrix QC was not requested. An LCS and LCSD were analyzed as the measure of batch precision and accuracy.

Analysis: USEPA-8011

Sample/Analyte:

1207057-01 KAFB015
1207057-02 KAFB016
1207122-01 106042
1207122-02 106043
1207213-01 106058
1207213-02 106057
1207239-01 106107
1207239-02 106106
1207239-03 106105
1207258-01 106102
1207258-02 106031
1207258-03 106101
1207292-01 106098
1207292-02 106013
1207292-03 106026
1207368-01 106038
1207368-02 106040
1207370-01 106104
1207370-02 10623
1207404-01 106063
1207404-02 106055
1208015-01 106051
1208015-02 106035
1208015-03 106036
1208057-01 106037
1208169-01 106076
1208169-02 1064
1208170-01 106100
1208170-02 106099
1208192-01 106066

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM070512

USEPA-8011

SAMPLE ID SUMMARY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
KAFB015	1207057-01
KAFB016	1207057-02
106042	1207122-01
106043	1207122-02
106058	1207213-01
106057	1207213-02
106107	1207239-01
106106	1207239-02
106105	1207239-03
106102	1207258-01
106031	1207258-02
106101	1207258-03
106098	1207292-01
106013	1207292-02
106026	1207292-03
106038	1207368-01
106040	1207368-02
106104	1207370-01
10623	1207370-02
106063	1207404-01
106055	1207404-02
106051	1208015-01
106035	1208015-02
106036	1208015-03
106037	1208057-01
106076	1208169-01
1064	1208169-02
106100	1208170-01
106099	1208170-02
106066	1208192-01

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2G17011

SDG: KNM070512
Project: KNM
Calibration: 2G17004
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G17011-CAL1	AJUL121-0	07/16/12 15:54
Cal Standard	2G17011-CAL2	AJUL122-0	07/16/12 16:23
Cal Standard	2G17011-CAL3	AJUL123-0	07/16/12 16:52
Cal Standard	2G17011-CAL4	AJUL124-0	07/16/12 17:20
Cal Standard	2G17011-CAL5	AJUL125-0	07/16/12 17:49
Cal Standard	2G17011-CAL6	AJUL126-0	07/16/12 18:18
Secondary Cal Check	2G17011-SCV1	AJUL127-0	07/16/12 18:47
Blank	1208585-BLK1	AJUL128-0	07/16/12 19:16
LCS	1208585-BS1	AJUL129-0	07/16/12 19:45
LCS Dup	1208585-BSD1	AJUL130-0	07/16/12 20:14
KAFB015	1207057-01	AJUL136-0	07/16/12 23:05
KAFB016	1207057-02	AJUL137-0	07/16/12 23:34
Calibration Check	2G17011-CCV1	AJUL138-0	07/17/12 00:02
106042	1207122-01	AJUL139-0	07/17/12 00:30
106043	1207122-02	AJUL140-0	07/17/12 00:59
Calibration Check	2G17011-CCV2	AJUL143-0	07/17/12 02:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2G25008

SDG: KNM070512
Project: KNM
Calibration: 2G17004
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G25008-CCV1	AJUL221-0	07/24/12 13:20
Blank	1208913-BLK1	AJUL222-0	07/24/12 13:52
LCS	1208913-BS1	AJUL223-0	07/24/12 14:21
LCS Dup	1208913-BSD1	AJUL224-0	07/24/12 14:51
106058	1207213-01	AJUL225-0	07/24/12 15:20
106057	1207213-02	AJUL226-0	07/24/12 15:48
106107	1207239-01	AJUL227-0	07/24/12 16:17
106106	1207239-02	AJUL228-0	07/24/12 16:45
106105	1207239-03	AJUL229-0	07/24/12 17:14
106102	1207258-01	AJUL230-0	07/24/12 17:42
106031	1207258-02	AJUL231-0	07/24/12 18:11
Calibration Check	2G25008-CCV2	AJUL232-0	07/24/12 18:39
106101	1207258-03	AJUL233-0	07/24/12 19:08
106098	1207292-01	AJUL234-0	07/24/12 19:37
106013	1207292-02	AJUL235-0	07/24/12 20:05
106026	1207292-03	AJUL236-0	07/24/12 20:34
Calibration Check	2G25008-CCV3	AJUL237-0	07/24/12 21:02

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2H06025

SDG: KNM070512
Project: KNM
Calibration: 2H06011
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H06025-CAL1	AAUG034-0	08/03/12 10:38
Cal Standard	2H06025-CAL2	AAUG035-0	08/03/12 11:07
Cal Standard	2H06025-CAL3	AAUG036-0	08/03/12 11:35
Cal Standard	2H06025-CAL4	AAUG037-0	08/03/12 12:03
Cal Standard	2H06025-CAL5	AAUG038-0	08/03/12 12:32
Cal Standard	2H06025-CAL6	AAUG039-0	08/03/12 13:00
Secondary Cal Check	2H06025-SCV1	AAUG040-0	08/03/12 13:29
Blank	1209449-BLK1	AAUG041-0	08/03/12 13:58
LCS	1209449-BS1	AAUG042-0	08/03/12 14:27
LCS Dup	1209449-BSD1	AAUG043-0	08/03/12 14:56
106104	1207370-01	AAUG044-0	08/03/12 15:25
Calibration Check	2H06025-CCV1	AAUG045-0	08/03/12 15:54
10623	1207370-02	AAUG046-0	08/03/12 16:23
106038	1207368-01	AAUG047-0	08/03/12 16:52
106040	1207368-02	AAUG048-0	08/03/12 17:21
106063	1207404-01	AAUG049-0	08/03/12 17:50
106051	1208015-01	AAUG051-0	08/03/12 18:47
106035	1208015-02	AAUG052-0	08/03/12 19:16
106036	1208015-03	AAUG053-0	08/03/12 19:44
106037	1208057-01	AAUG054-0	08/03/12 20:14
Calibration Check	2H06025-CCV2	AAUG056-0	08/03/12 21:12

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2H06039

SDG: KNM070512
Project: KNM
Calibration: 2H06011
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H06039-CCV1	AAUG060-0	08/06/12 10:13
Blank	1209537-BLK1	AAUG061-0	08/06/12 10:41
LCS	1209537-BS1	AAUG062-0	08/06/12 11:09
LCS Dup	1209537-BSD1	AAUG063-0	08/06/12 11:37
106055	1207404-02	AAUG064-0	08/06/12 12:06
Calibration Check	2H06039-CCV2	AAUG065-0	08/06/12 12:34

00109

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2H17033

SDG: KNM070512
Project: KNM
Calibration: 2H17010
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H17033-CAL1	AAUG216-0	08/16/12 11:09
Cal Standard	2H17033-CAL2	AAUG217-0	08/16/12 11:38
Cal Standard	2H17033-CAL3	AAUG218-0	08/16/12 12:06
Cal Standard	2H17033-CAL4	AAUG219-0	08/16/12 12:35
Cal Standard	2H17033-CAL5	AAUG220-0	08/16/12 13:03
Cal Standard	2H17033-CAL6	AAUG221-0	08/16/12 13:32
Secondary Cal Check	2H17033-SCV1	AAUG222-0	08/16/12 14:00
Blank	1209921-BLK1	AAUG223-0	08/16/12 14:29
LCS	1209921-BS1	AAUG224-0	08/16/12 14:58
LCS Dup	1209921-BSD1	AAUG225-0	08/16/12 15:27
1064	1208169-02	AAUG232-0	08/16/12 18:47
Calibration Check	2H17033-CCV1	AAUG233-0	08/16/12 19:16
106100	1208170-01	AAUG234-0	08/16/12 19:44
106099	1208170-02	AAUG235-0	08/16/12 20:13
106066	1208192-01	AAUG236-0	08/16/12 20:42
Calibration Check	2H17033-CCV2	AAUG237-0	08/16/12 21:10

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2H17035

SDG: KNM070512
Project: KNM
Calibration: 2H17010
Instrument: 158

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H17035-CCV1	AAUG240-0	08/17/12 09:16
106076	1208169-01	AAUG243-0	08/17/12 10:56
Calibration Check	2H17035-CCV2	AAUG244-0	08/17/12 11:25

00111

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208585-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1208585
Sequence: 2G17011

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.337	105	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00112

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208913-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2G25008

QC Batch: 1208913

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.400	125	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00113

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209449-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1209449
Sequence: 2H06025

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.343	107	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00114

LCS / LCS DUPLICATE RECOVERY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1209537

SDG: KNM070512

Project: KNM

Laboratory ID: 1209537-BS1

Preparation: Method-Specific Extraction

Initial/Final: 35 mL / 2 mL

Sequence: 2H06039

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.297	93	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00115

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

QC Batch: 1209921

SDG: KNM070512
Project: KNM
Laboratory ID: 1209921-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2H17033

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.291	91	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00116

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208585-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1208585
Sequence: 2G17011

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.331	104	2	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00117

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208913-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1208913
Sequence: 2G25008

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.406	127	1	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00118

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209449-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2H06025

QC Batch: 1209449

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.371	116	8	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00119

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209537-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1209537
Sequence: 2H06039

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.303	95	2	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00120

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209921-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1209921
Sequence: 2H17033

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.291	91	0	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

00121

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208585-BLK1
File ID: AJUL128-0
Prepared: 07/16/12 08:08
Analyzed: 07/16/12 19:16
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208585
Sequence: 2G17011
Calibration: 2G17004
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00122

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208913-BLK1
File ID: AJUL222-0
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 13:52
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00123

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1209449-BLK1
File ID: AAUG041-0
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 13:58
Preparation: Method-Specific Extracti(
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00124

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1209537-BLK1
File ID: AAUG061-0
Prepared: 08/06/12 09:22
Analyzed: 08/06/12 10:41
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209537
Sequence: 2H06039
Calibration: 2H06011
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00125

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1209921-BLK1
File ID: AAUG223-0
Prepared: 08/16/12 08:52
Analyzed: 08/16/12 14:29
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209921
Sequence: 2H17033
Calibration: 2H17010
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00126

QC BATCH SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

QC Batch: 1208585 QC Batch Matrix: Water

Preparation: Method-Specific Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB015	1207057-01	07/16/12 08:08	EDB only
KAFB016	1207057-02	07/16/12 08:08	EDB only
106042	1207122-01	07/16/12 08:08	EDB only
106043	1207122-02	07/16/12 08:08	EDB only
Blank	1208585-BLK1	07/16/12 08:08	
LCS	1208585-BS1	07/16/12 08:08	
LCS Dup	1208585-BSD1	07/16/12 08:08	

00127

QC BATCH SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
QC Batch: 1208913
QC Batch Matrix: Water
Preparation: Method-Specific Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1207213-01	07/24/12 08:00	EDB only
106057	1207213-02	07/24/12 08:00	EDB only
106107	1207239-01	07/24/12 08:00	EDB only
106106	1207239-02	07/24/12 08:00	EDB only
106105	1207239-03	07/24/12 08:00	EDB only
106102	1207258-01	07/24/12 08:00	EDB only
106031	1207258-02	07/24/12 08:00	EDB only
106101	1207258-03	07/24/12 08:00	EDB only
106098	1207292-01	07/24/12 08:00	EDB only
106013	1207292-02	07/24/12 08:00	EDB only
106026	1207292-03	07/24/12 08:00	EDB only
Blank	1208913-BLK1	07/24/12 08:00	
LCS	1208913-BS1	07/24/12 08:00	
LCS Dup	1208913-BSD1	07/24/12 08:00	

00128

QC BATCH SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
QC Batch: 1209449
QC Batch Matrix: Water
Preparation: Method-Specific Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106038	1207368-01	08/03/12 08:17	EDB only
106040	1207368-02	08/03/12 08:17	EDB only
106104	1207370-01	08/03/12 08:17	EDB only
10623	1207370-02	08/03/12 08:17	EDB only
106063	1207404-01	08/03/12 08:17	EDB only
106051	1208015-01	08/03/12 08:17	EDB only
106035	1208015-02	08/03/12 08:17	EDB only
106036	1208015-03	08/03/12 08:17	EDB only
106037	1208057-01	08/03/12 08:17	EDB only
Blank	1209449-BLK1	08/03/12 08:17	
LCS	1209449-BS1	08/03/12 08:17	
LCS Dup	1209449-BSD1	08/03/12 08:17	

00129

QC BATCH SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

QC Batch: 1209537 QC Batch Matrix: Water

Preparation: Method-Specific Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106055	1207404-02	08/06/12 09:22	EDB only
Blank	1209537-BLK1	08/06/12 09:22	
LCS	1209537-BS1	08/06/12 09:22	
LCS Dup	1209537-BSD1	08/06/12 09:22	

QC BATCH SUMMARY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

QC Batch: 1209921 QC Batch Matrix: Water

Preparation: Method-Specific Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106076	1208169-01	08/16/12 08:52	EDB only
1064	1208169-02	08/16/12 08:52	EDB only
106100	1208170-01	08/16/12 08:52	EDB only
106099	1208170-02	08/16/12 08:52	EDB only
106066	1208192-01	08/16/12 08:52	EDB only
Blank	1209921-BLK1	08/16/12 08:52	same as batch 1209922
LCS	1209921-BS1	08/16/12 08:52	same as batch 1209922
LCS Dup	1209921-BSD1	08/16/12 08:52	

HOLDING TIME SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

Method: EDB and DBCP by EPA Method 8011

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
KAFB015	07/05/12	07/06/12		07/16/12	11	14	07/16/12	1	2	
KAFB016	07/05/12	07/06/12		07/16/12	11	14	07/16/12	1	2	
106042	07/10/12	07/11/12		07/16/12	6	14	07/17/12	1	2	
106043	07/10/12	07/11/12		07/16/12	6	14	07/17/12	1	2	
106058	07/16/12	07/17/12		07/24/12	8	14	07/24/12	0	2	
106057	07/16/12	07/17/12		07/24/12	8	14	07/24/12	0	2	
106107	07/17/12	07/18/12		07/24/12	7	14	07/24/12	0	2	
106106	07/17/12	07/18/12		07/24/12	7	14	07/24/12	0	2	
106105	07/17/12	07/18/12		07/24/12	7	14	07/24/12	0	2	
106102	07/18/12	07/19/12		07/24/12	6	14	07/24/12	0	2	
106031	07/18/12	07/19/12		07/24/12	6	14	07/24/12	0	2	
106101	07/18/12	07/19/12		07/24/12	6	14	07/24/12	0	2	
106098	07/19/12	07/20/12		07/24/12	5	14	07/24/12	0	2	
106013	07/19/12	07/20/12		07/24/12	5	14	07/24/12	1	2	
106026	07/19/12	07/20/12		07/24/12	5	14	07/24/12	1	2	
106038	07/24/12	07/25/12		08/03/12	10	14	08/03/12	0	2	
106040	07/24/12	07/25/12		08/03/12	10	14	08/03/12	0	2	
106104	07/21/12	07/25/12		08/03/12	13	14	08/03/12	0	2	
10623	07/24/12	07/25/12		08/03/12	10	14	08/03/12	0	2	
106063	07/25/12	07/26/12		08/03/12	9	14	08/03/12	0	2	
106055	07/25/12	07/26/12		08/06/12	12	14	08/06/12	0	2	
106051	07/31/12	08/01/12		08/03/12	3	14	08/03/12	0	2	

00132

HOLDING TIME SUMMARY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM070512

Client: TechLaw

Project: KNM

Method: EDB and DBCP by EPA Method 8011

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106035	07/31/12	08/01/12		08/03/12	3	14	08/03/12	0	2	
106036	07/31/12	08/01/12		08/03/12	3	14	08/03/12	0	2	
106037	08/01/12	08/02/12		08/03/12	2	14	08/03/12	0	2	
106076	08/07/12	08/08/12		08/16/12	9	14	08/17/12	1	2	
1064	08/07/12	08/08/12		08/16/12	9	14	08/16/12	0	2	
106100	08/07/12	08/08/12		08/16/12	9	14	08/16/12	0	2	
106099	08/07/12	08/08/12		08/16/12	9	14	08/16/12	0	2	
106066	08/08/12	08/09/12		08/16/12	8	14	08/16/12	0	2	

00133

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

KAFB015

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207057-01
File ID: AJUL136-0
Sampled: 07/05/12 11:00
Prepared: 07/16/12 08:08
Analyzed: 07/16/12 23:05
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208585
Sequence: 2G17011
Calibration: 2G17004
Instrument: 158

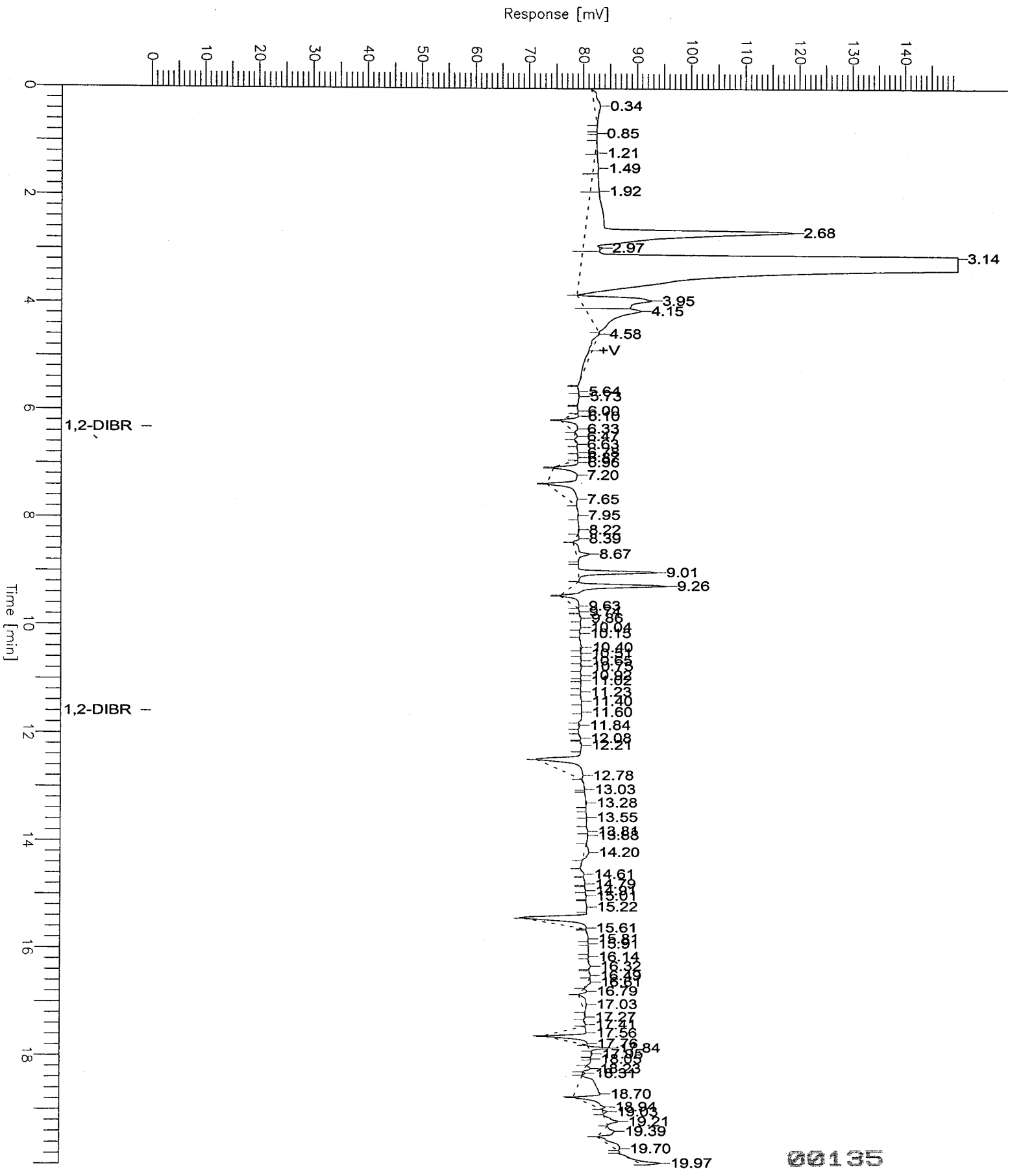
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207057-01
FileName : C:\TC4\158\JULY2012\AJUL136.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:35
Time of Injection: 7/16/12 23:05
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00135

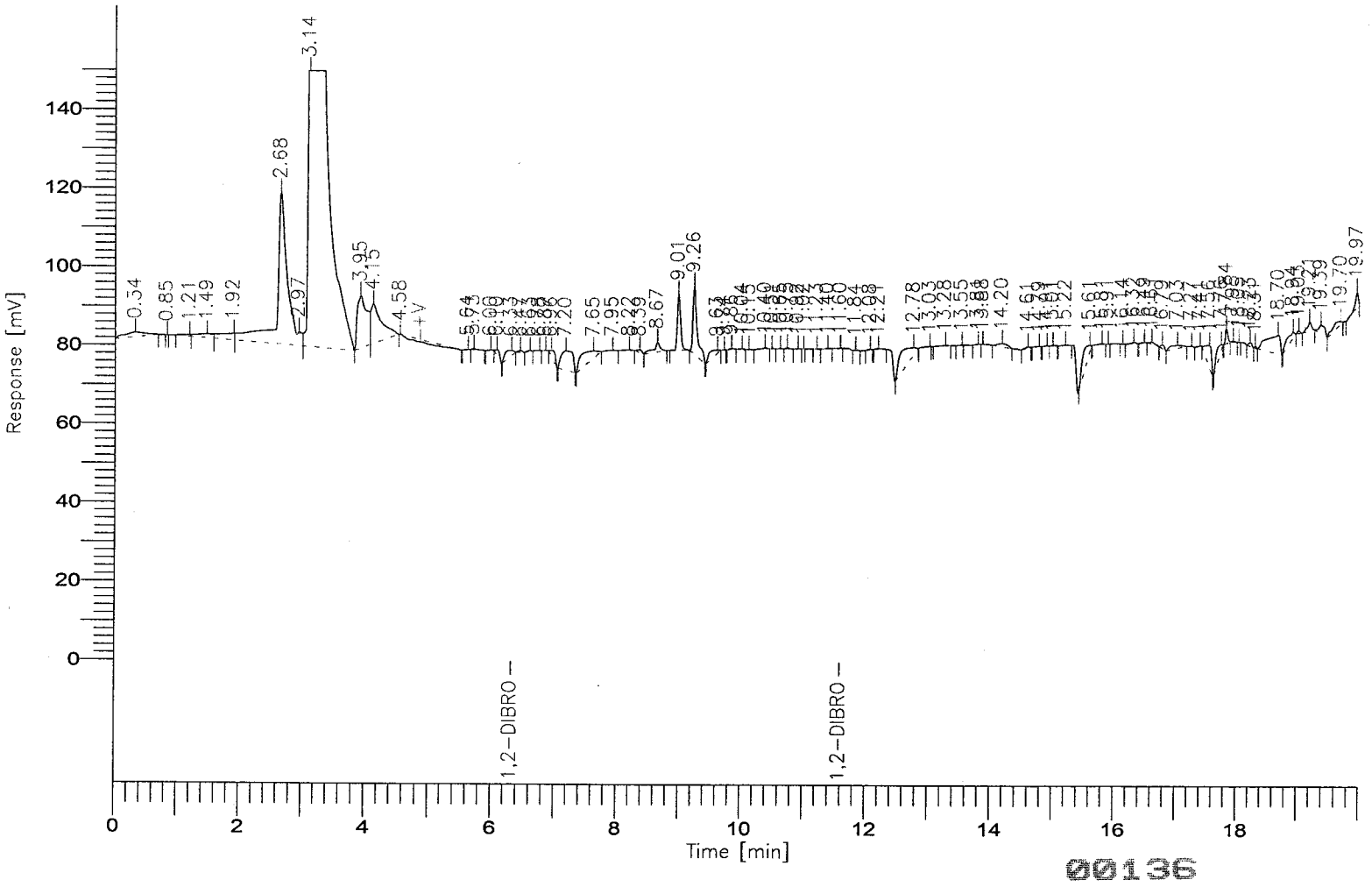
Software Version: 4.1<2F12>
Sample Name : 1207057-01 Time : 7/17/12 08:35
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 23:05
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL136.RAW
Result File : C:\TC4\158\JULY2012\AJUL136.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL136.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00136

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

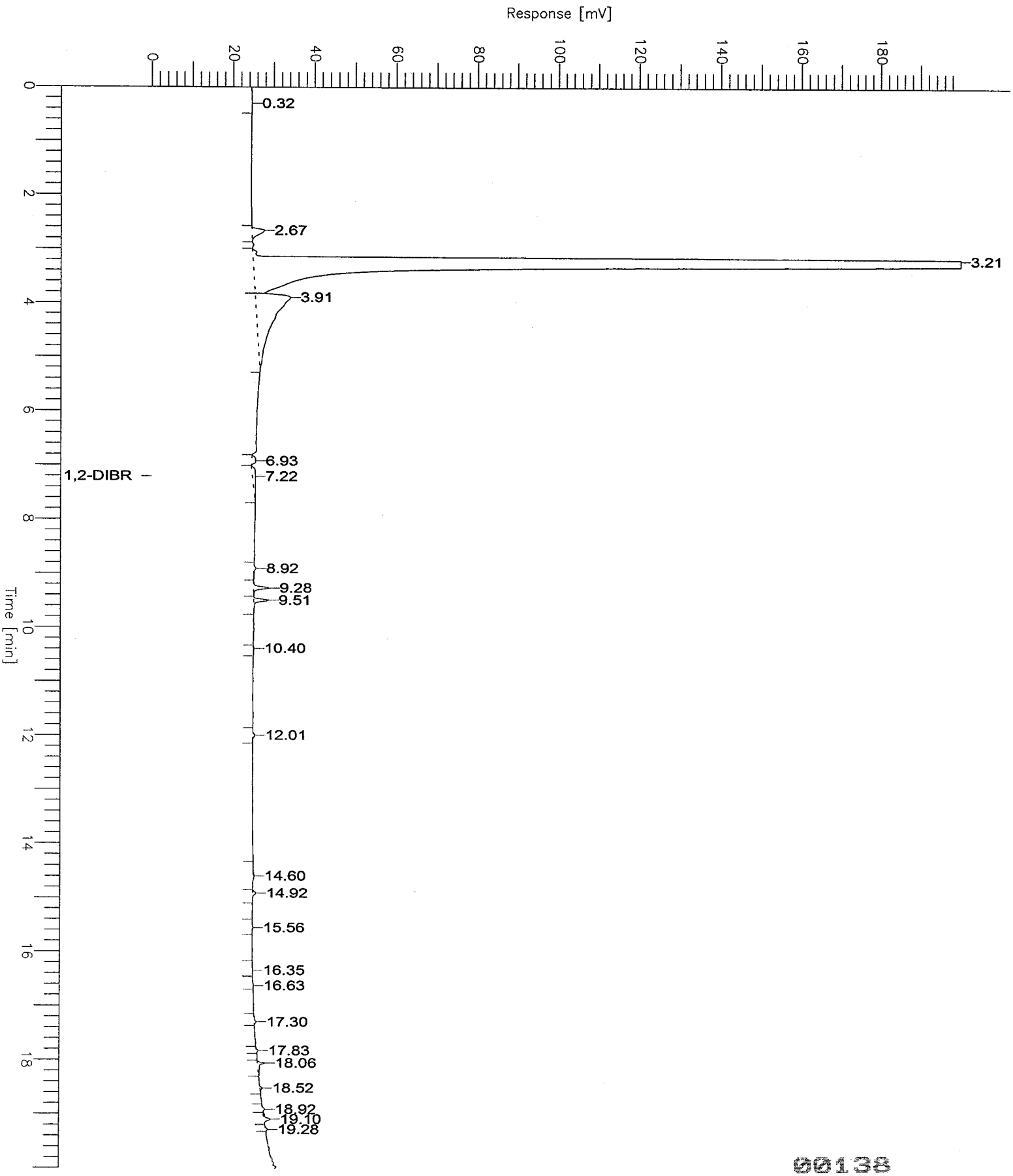
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.33	1,2-DIBROMOETHANE	-0.0003	1316.87	18393.00	35	2	-0.01602	<MDL
11.60	1,2-DIBROMO3CHLOROPR	-0.0002	38.50	224.00	35	2	-0.01118	↓
			1355.37	18617.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL136.TX0

Chromatogram

Sample Name : 1207057-01
FileName : C:\TC4\158\JULY2012\BJUL136.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:19
Time of Injection: 7/16/12 23:05
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00138

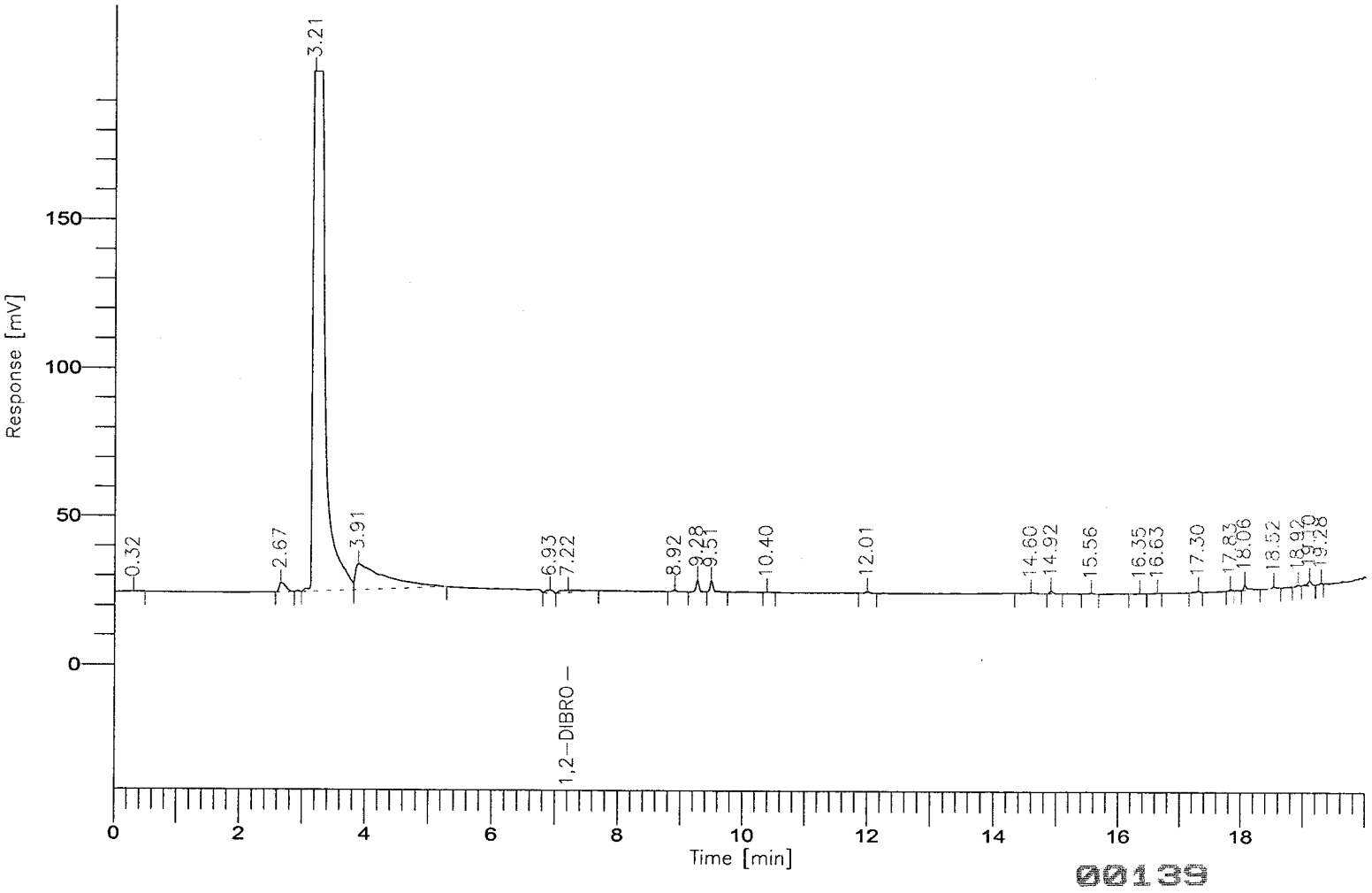
Software Version: 4.1<2F12>
Sample Name : 1207057-01 Time : 7/17/12 08:19
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 23:05
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL136.RAW
Result File : C:\TC4\158\JULY2012\BJUL136.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL136.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00139

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.22	1,2-DIBROMOETHANE (2	-0.0001	747.22	19407.00	35	2	-0.00674	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			747.22	19407.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL136.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

KAFB016

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207057-02 File ID: AJUL137-0

Sampled: 07/05/12 11:45 Prepared: 07/16/12 08:08 Analyzed: 07/16/12 23:34

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208585 Sequence: 2G17011 Calibration: 2G17004 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

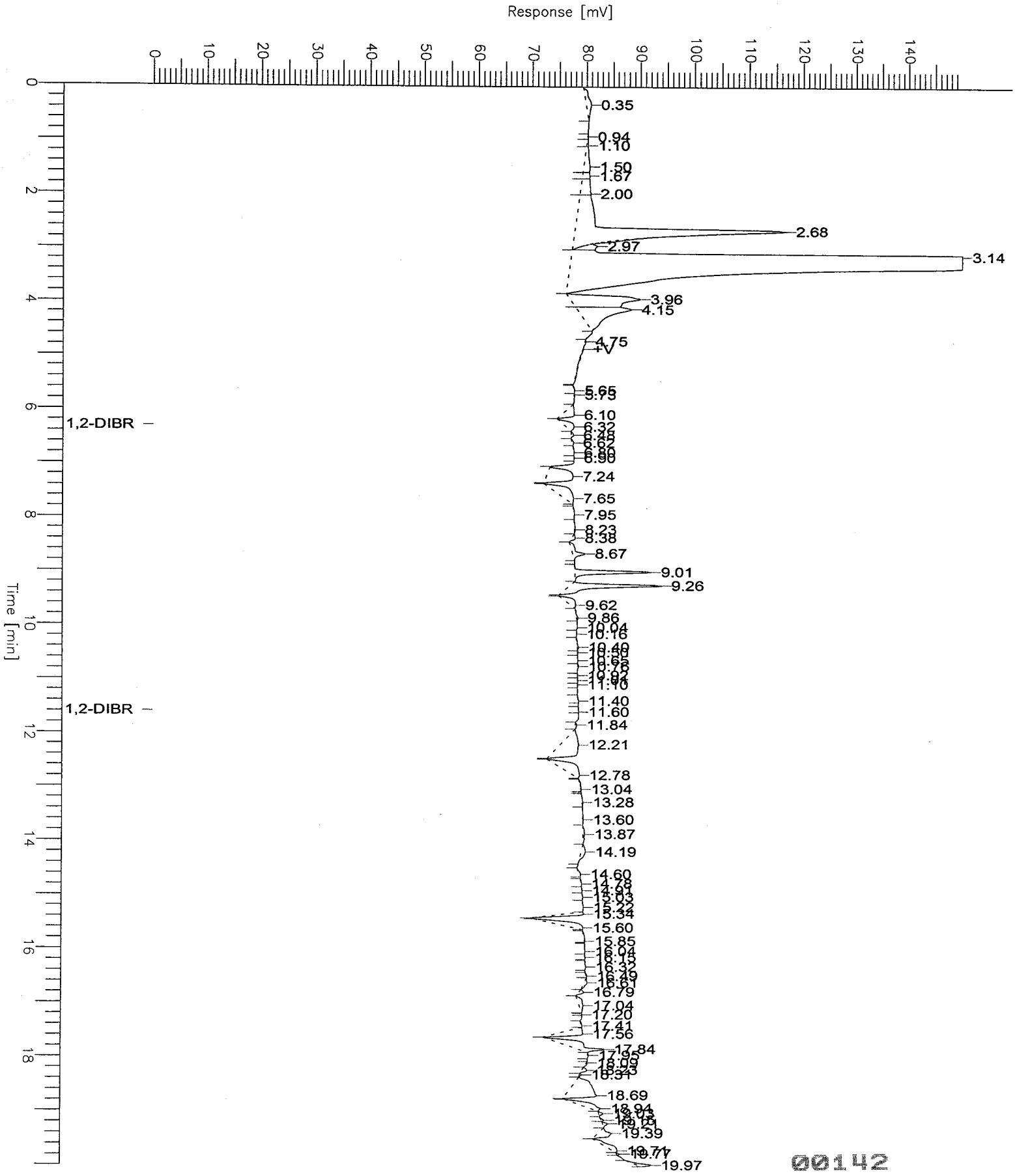
* Values outside of QC limits

00141

Chromatogram

Sample Name : 1207057-02
FileName : C:\TC4\158\JULY2012\AJUL137.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:35
Time of Injection: 7/16/12 23:34
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00142

Software Version: 4.1<2F12>
Sample Name : 1207057-02
Sample Number:
Operator : BJH

Time : 7/17/12 08:35
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

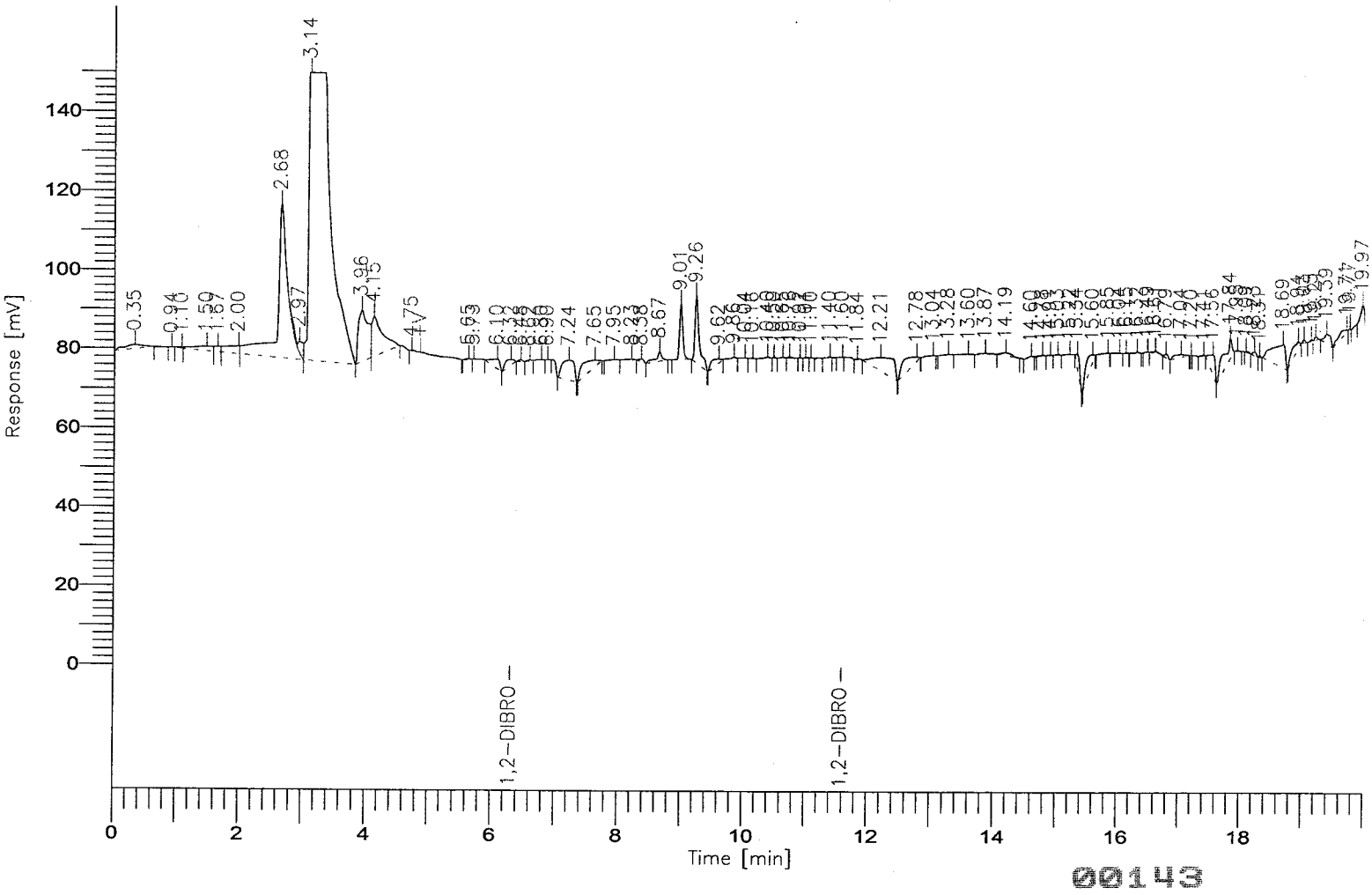
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 23:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL137.RAW
Result File : C:\TC4\158\JULY2012\AJUL137.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL137.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

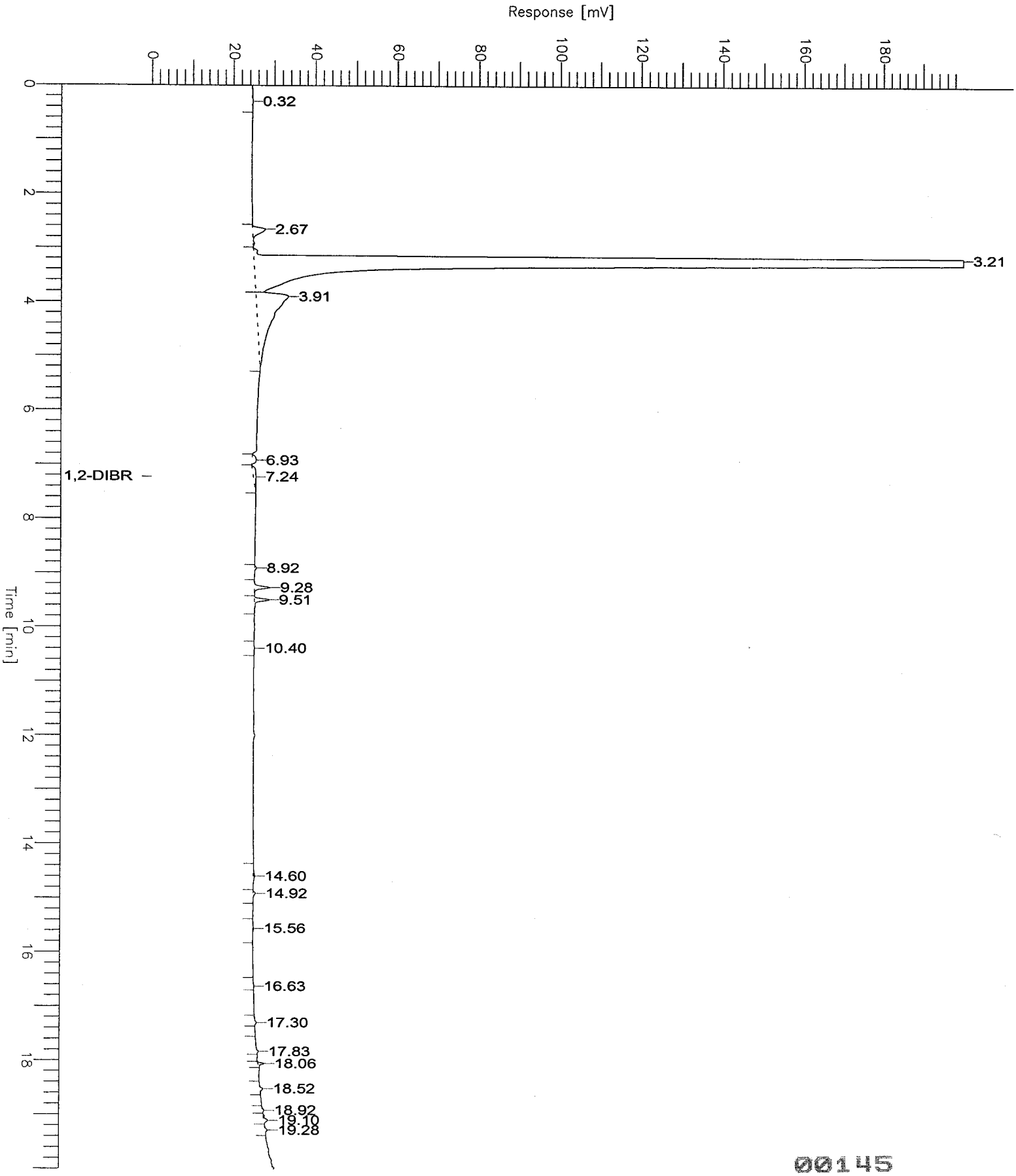
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0003	1418.78	17094.00	35	2	-0.01501	<MDL
11.60	1,2-DIBROMO3CHLOROPR	-0.0002	20.64	156.00	35	2	-0.01129	↓
			1439.43	17250.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL137.TX0

Chromatogram

Sample Name : 1207057-02
FileName : C:\TC4\158\JULY2012\BJUL137.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:19
Time of Injection: 7/16/12 23:34
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



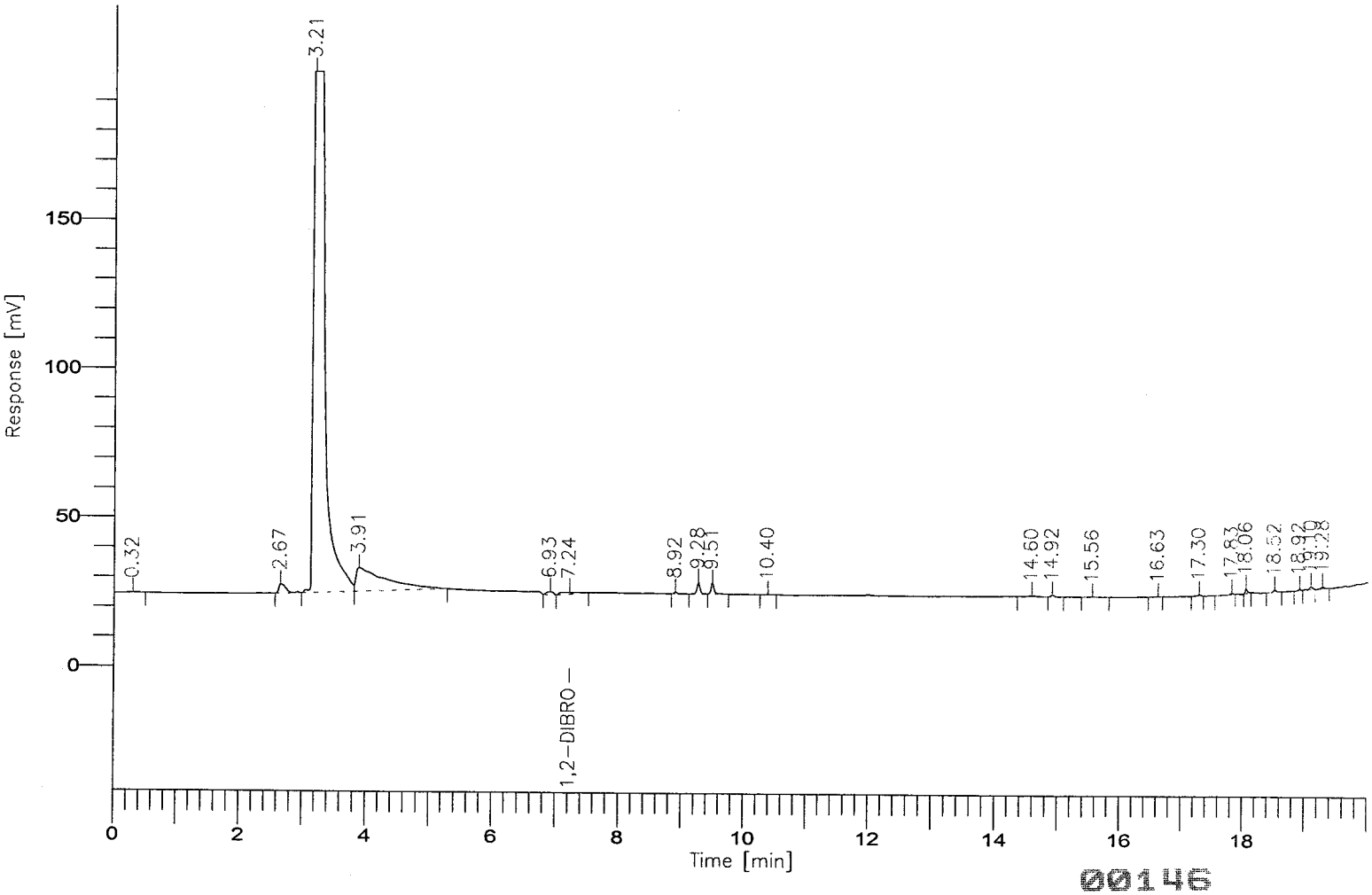
Software Version: 4.1<2F12>
Sample Name : 1207057-02 Time : 7/17/12 08:19
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 23:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL137.RAW
Result File : C:\TC4\158\JULY2012\BJUL137.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL137.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.24	1,2-DIBROMOETHANE (2	-0.0002	612.26	13888.00	35	2	-0.00999	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			612.26	13888.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL137.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106042

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207122-01
File ID: AJUL139-0
Sampled: 07/10/12 13:00
Prepared: 07/16/12 08:08
Analyzed: 07/17/12 00:30
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 34.8 mL / 2 mL
QC Batch: 1208585
Sequence: 2G17011
Calibration: 2G17004
Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.29	0.0088	0.050	

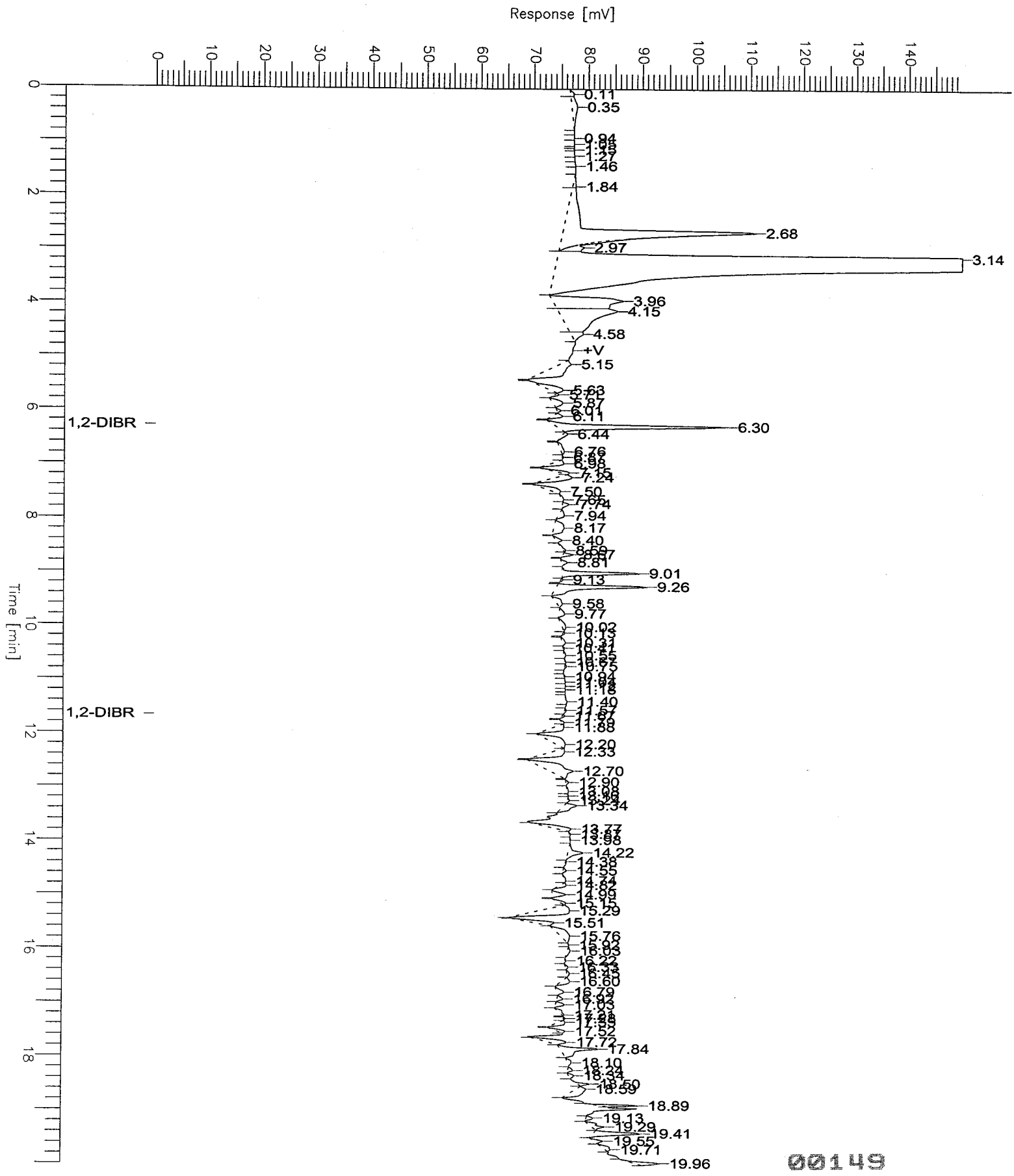
* Values outside of QC limits

00148

Chromatogram

Sample Name : 1207122-01
FileName : C:\TC4\158\JULY2012\AJUL139.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 09:26
Time of Injection: 7/17/12 00:30
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00149

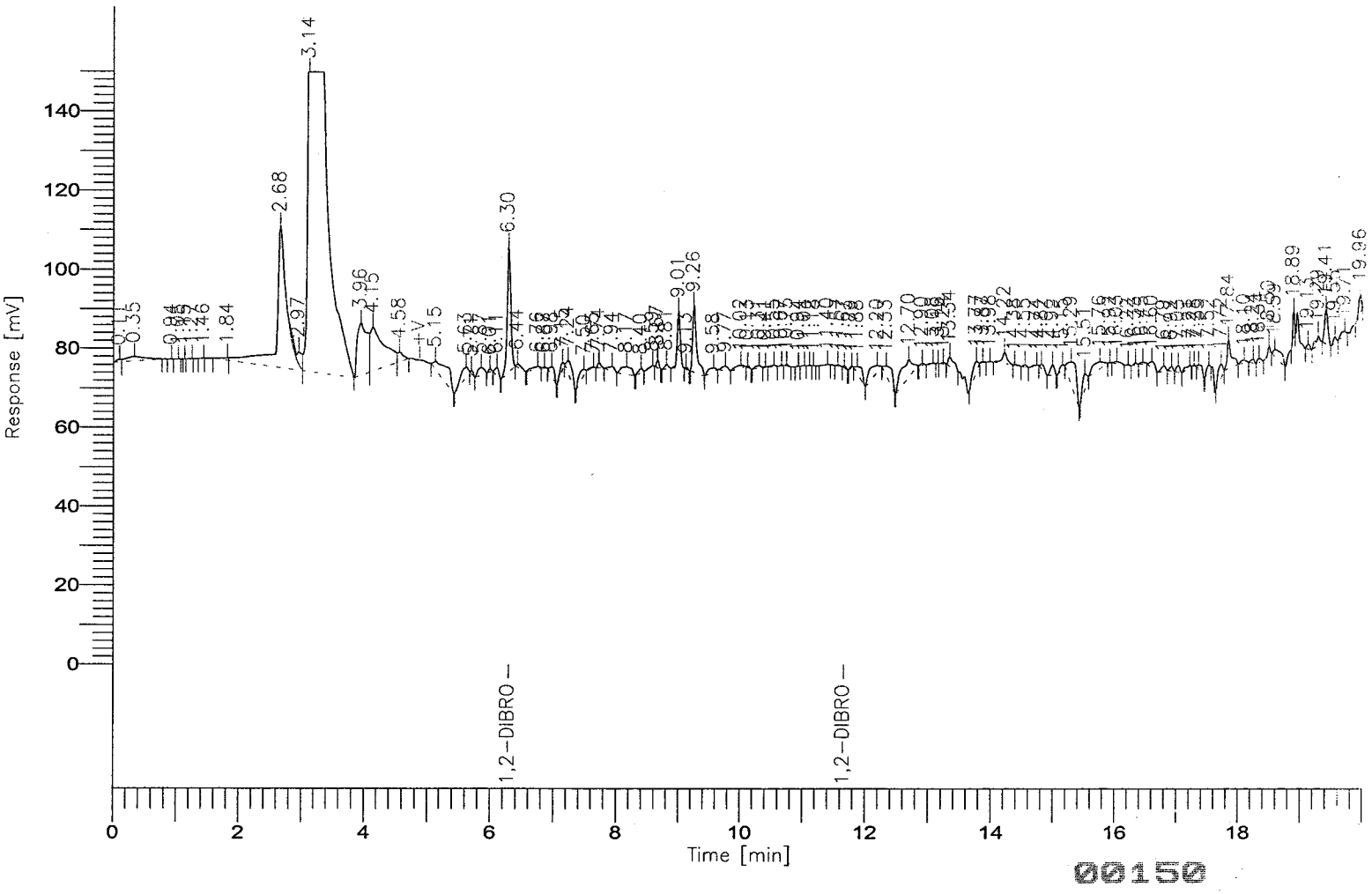
Software Version: 4.1<2F12>
Sample Name : 1207122-01 Time : 7/17/12 09:26
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:30
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL139.RAW
Result File : C:\TC4\158\JULY2012\AJUL139.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL139.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00150

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

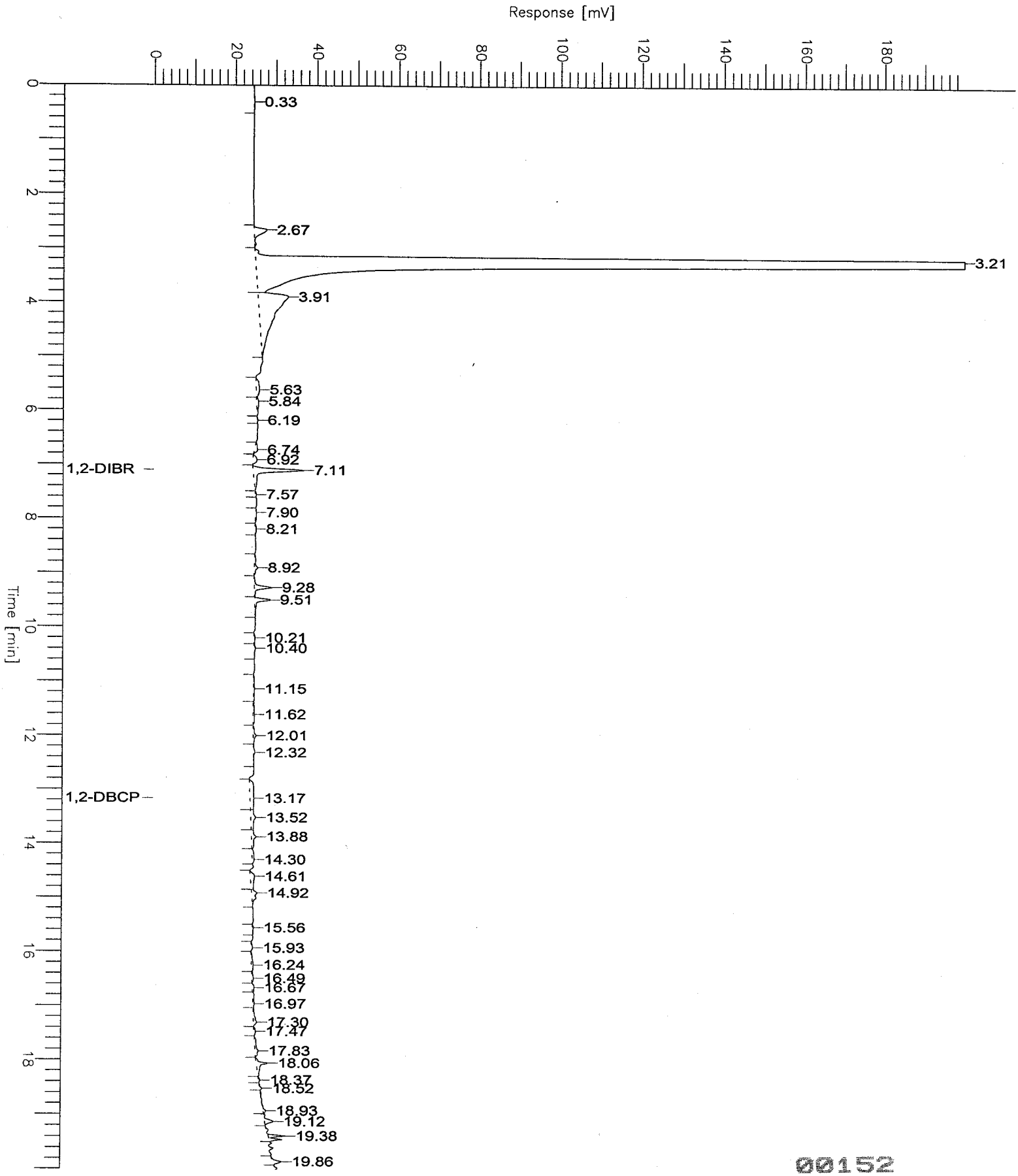
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.30	1,2-DIBROMOETHANE	0.0050	31915.78	124814.50	35	2	0.28766
11.67	1,2-DIBROMO3CHLOROPR	-0.0001	494.35	1194.00	35	2	-0.00831
			32410.14	126008.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL139.TX0

Chromatogram

Sample Name : 1207122-01
FileName : C:\TC4\158\JULY2012\BJUL139.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 09:26
Time of Injection: 7/17/12 00:30
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00152

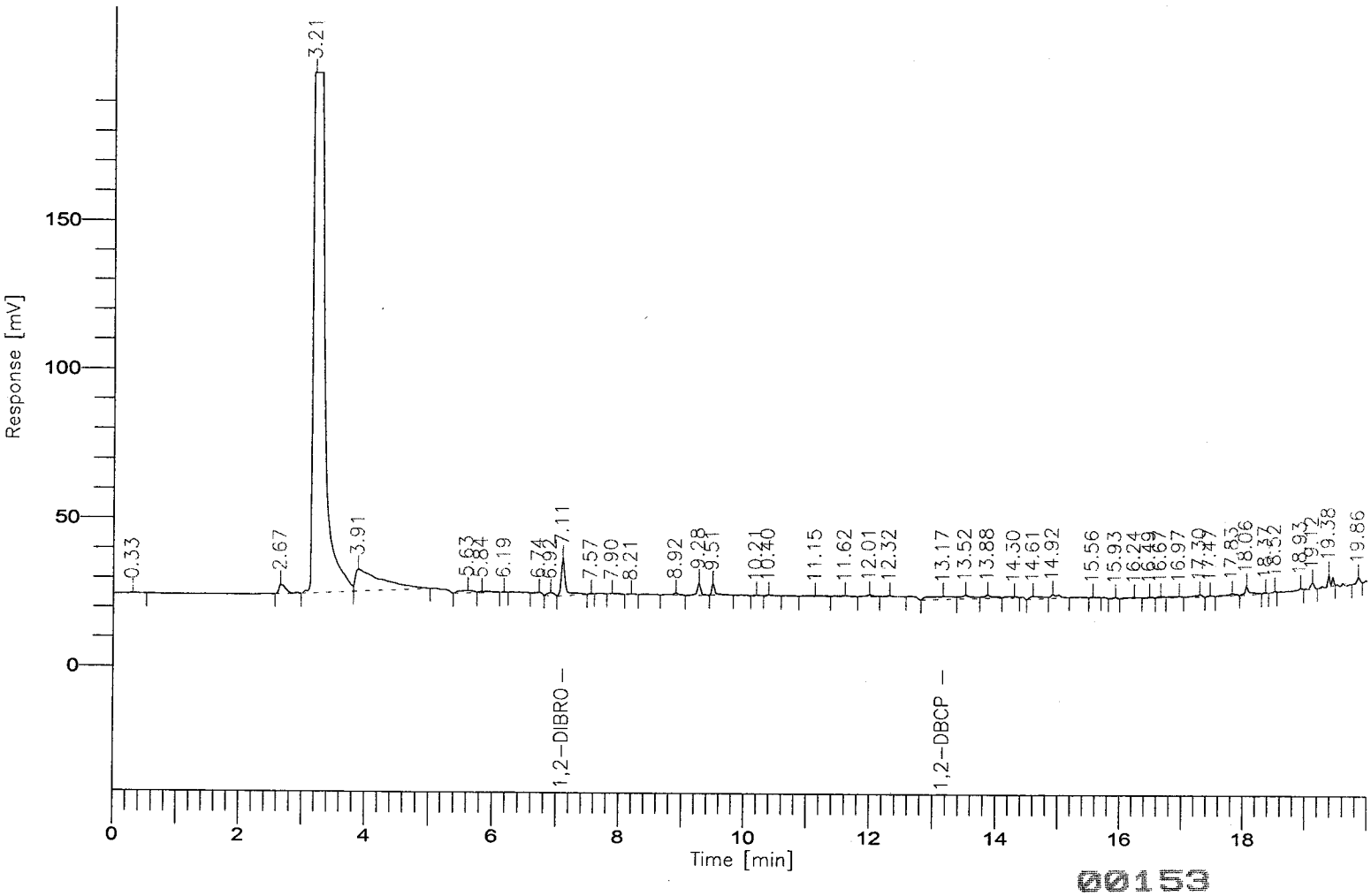
Software Version: 4.1<2F12>
Sample Name : 1207122-01 Time : 7/17/12 09:26
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:30
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL139.RAW
Result File : C:\TC4\158\JULY2012\BJUL139.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL139.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00153

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0049	12667.48	59849.00	35	2	0.28203
13.17	1,2-DBCP (2C)	0.0002	948.65	30506.64	35	2	0.00928
			13616.13	90355.64			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL139.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106043

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207122-02 File ID: AJUL140-0

Sampled: 07/10/12 11:00 Prepared: 07/16/12 08:08 Analyzed: 07/17/12 00:59

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208585 Sequence: 2G17011 Calibration: 2G17004 Instrument: 158

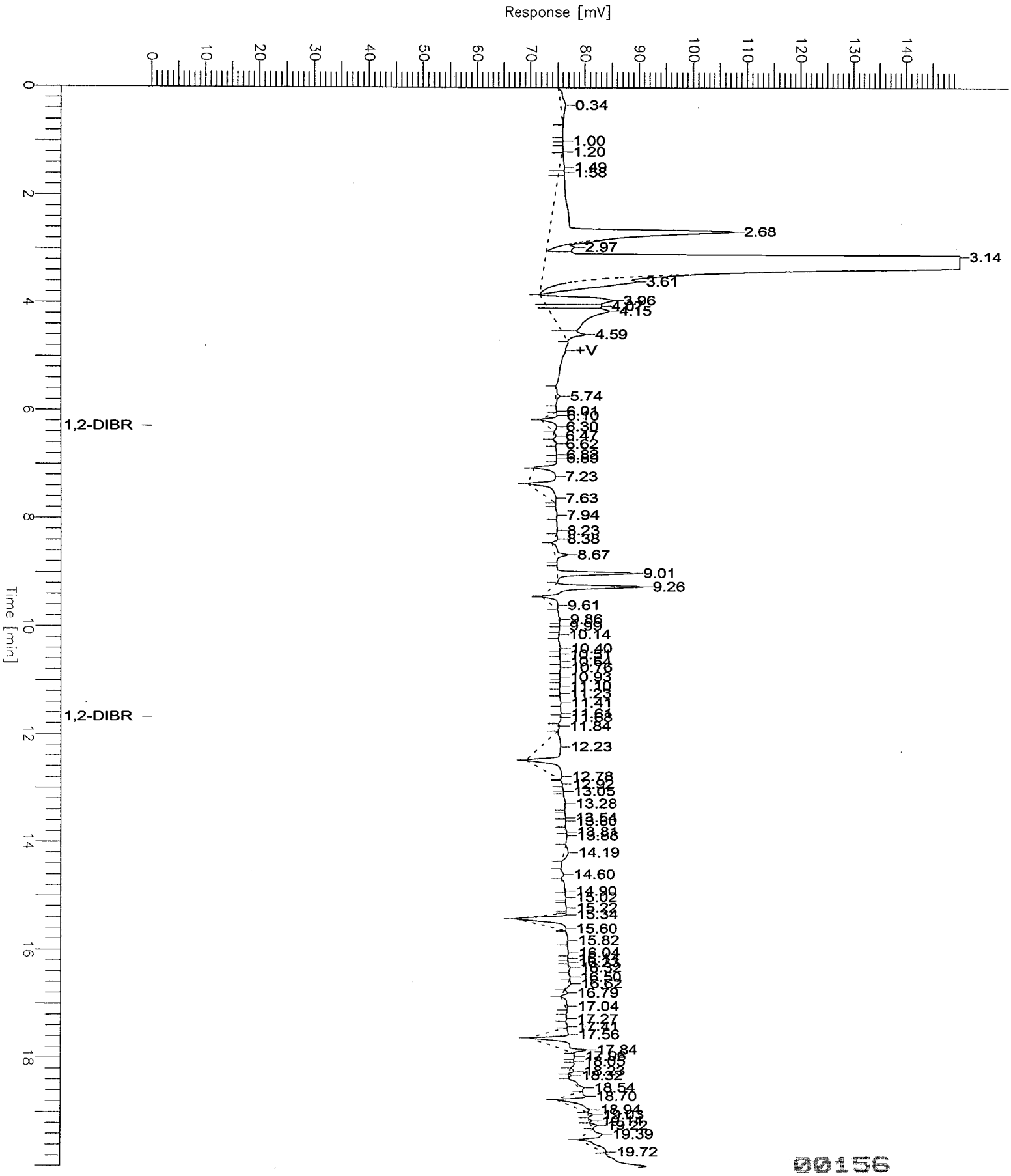
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207122-02
FileName : C:\TC4\158\JULY2012\AJUL140.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:35
Time of Injection: 7/17/12 00:59
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00156

Software Version: 4.1<2F12>
Sample Name : 1207122-02
Sample Number:
Operator : BJH

Time : 7/17/12 08:35
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

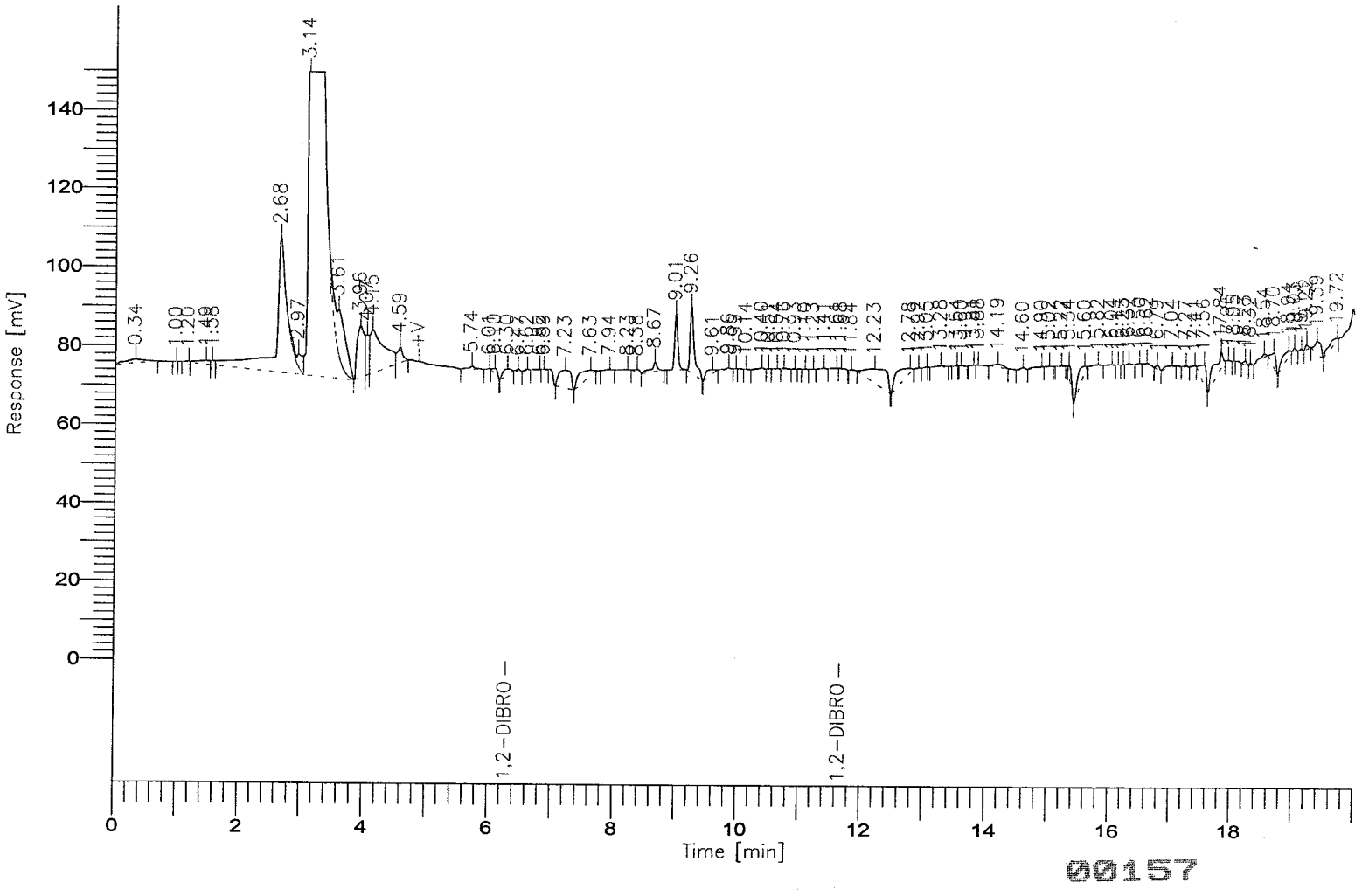
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:59
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL140.RAW
Result File : C:\TC4\158\JULY2012\AJUL140.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL140.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00157

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

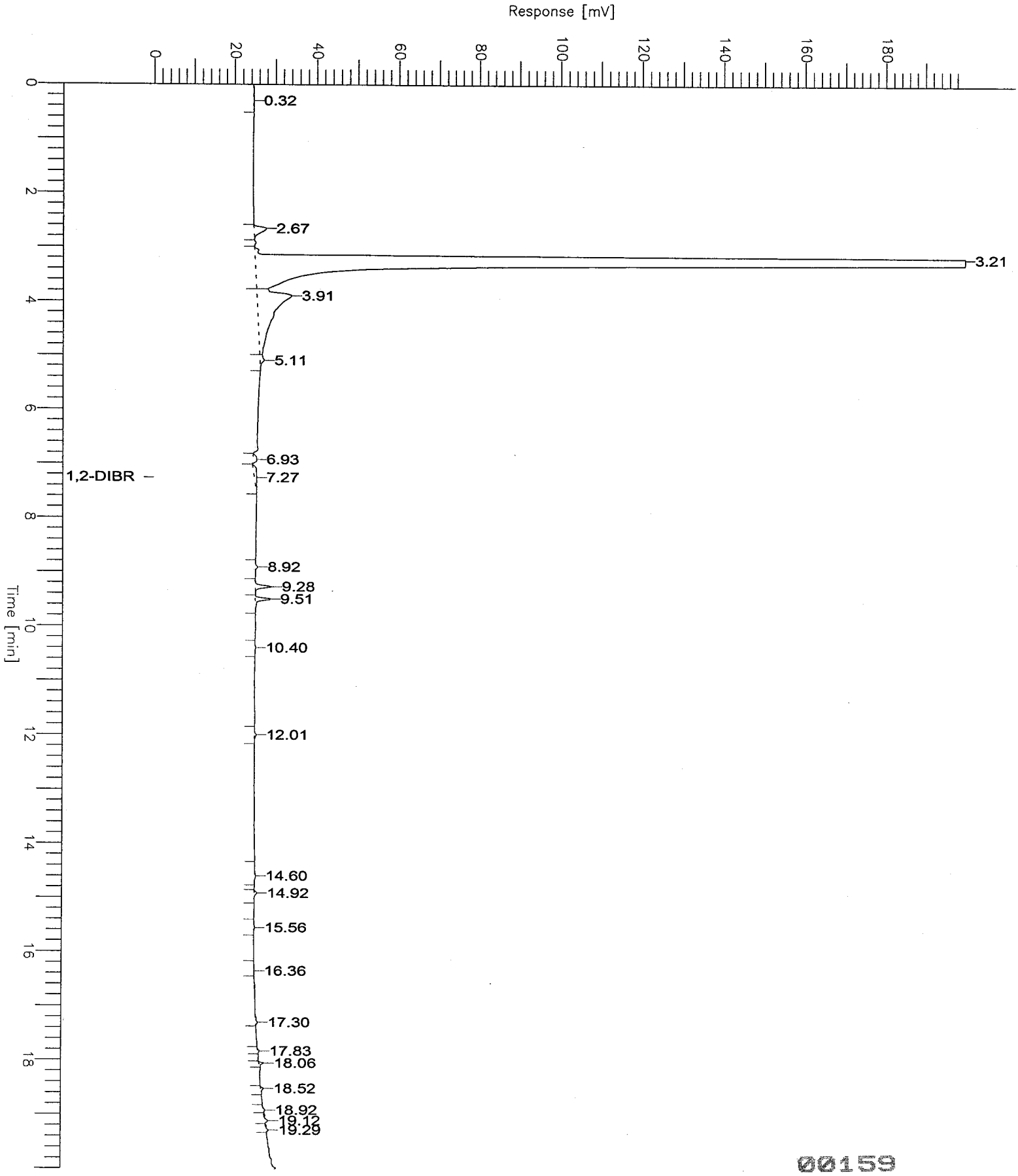
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.30	1,2-DIBROMOETHANE	-0.0002	1503.06	16144.00	35	2	-0.01418	<MDL
11.68	1,2-DIBROMO3CHLOROPR	-0.0002	159.14	1176.50	35	2	-0.01040	
			1662.21	17320.50				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL140.TX0

Chromatogram

Sample Name : 1207122-02
FileName : C:\TC4\158\JULY2012\BJUL140.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:20
Time of Injection: 7/17/12 00:59
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00159

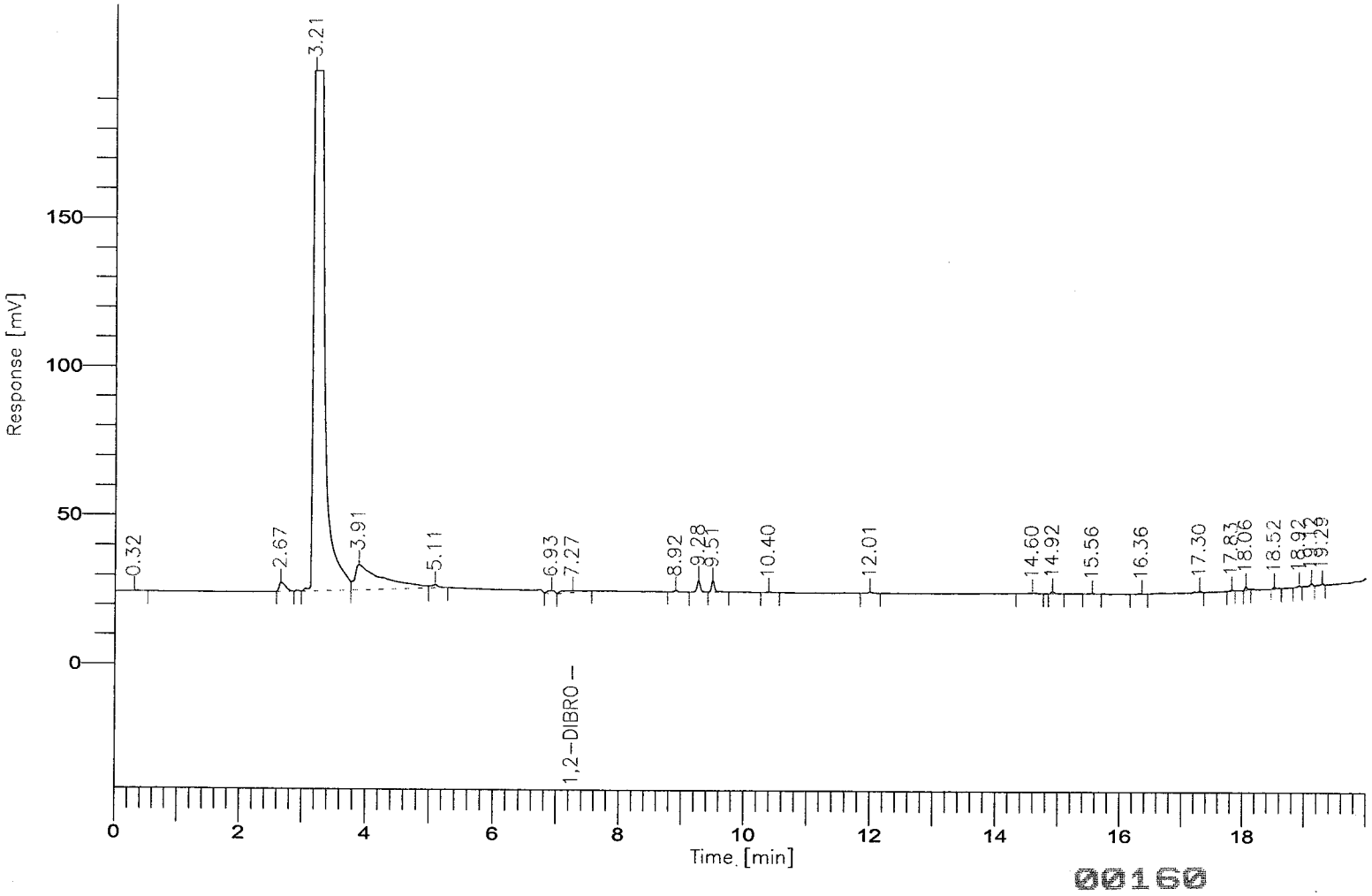
Software Version: 4.1<2F12>
Sample Name : 1207122-02 Time : 7/17/12 08:20
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:59
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL140.RAW
Result File : C:\TC4\158\JULY2012\BJUL140.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL140.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00160

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.27	1,2-DIBROMOETHANE (2	-0.0002	569.55	14700.00	35	2	-0.01102	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			569.55	14700.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL140.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106058

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207213-01 File ID: AJUL225-0

Sampled: 07/16/12 11:45 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 15:20

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

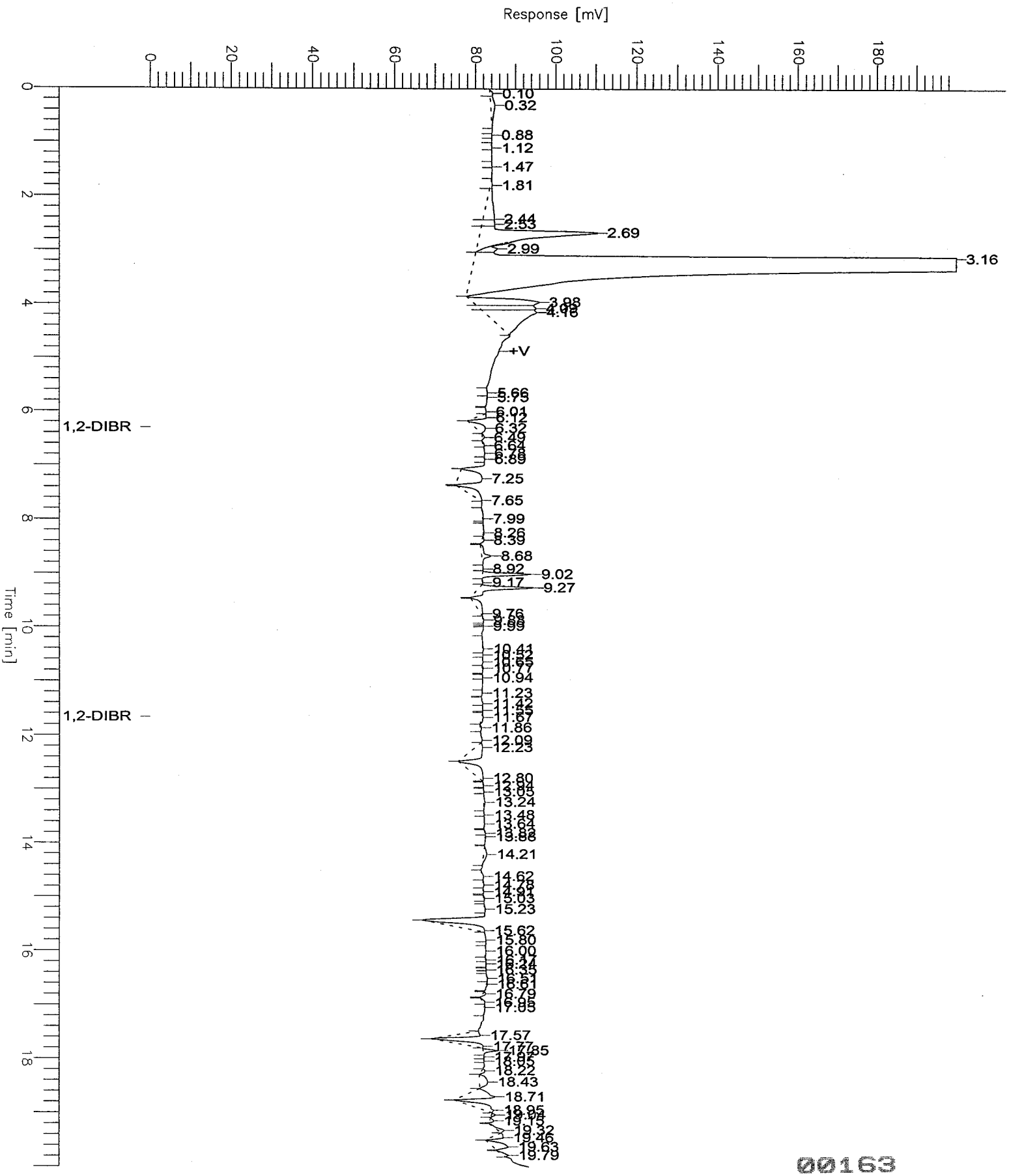
* Values outside of QC limits

00162

Chromatogram

Sample Name : 1207213-01
FileName : C:\TC4\158\JULY2012\AJUL225.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 15:20
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00163

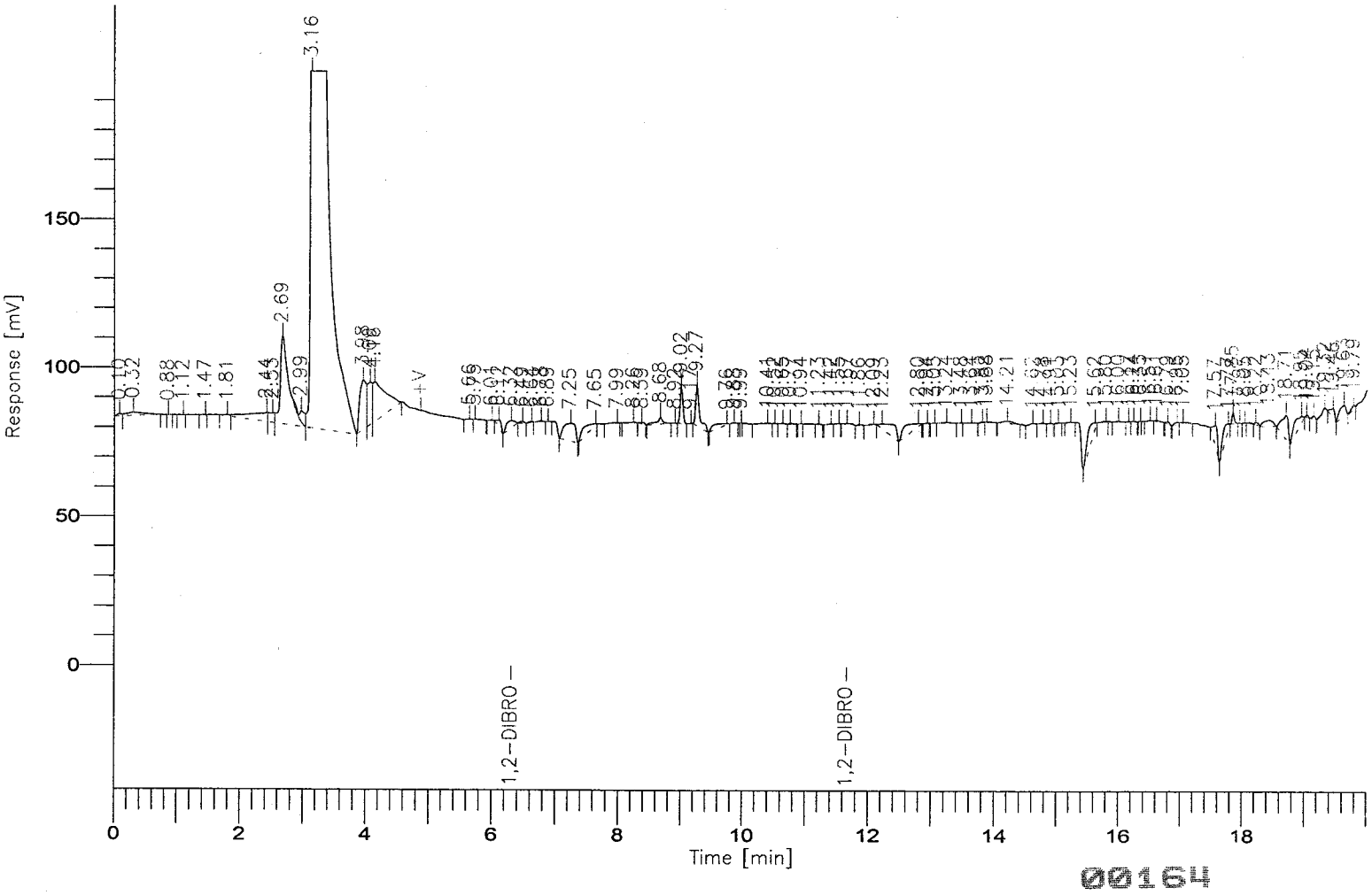
Software Version: 4.1<2F12>
Sample Name : 1207213-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 15:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL225.RAW
Result File : C:\TC4\158\JULY2012\AJUL225.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL225.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0001	2348.91	25011.00	35	2	-0.00583	<MDL
11.67	1,2-DIBROMO3CHLOROPR	-0.0002	383.14	3144.50	35	2	-0.00897	
			2732.05	28155.50				

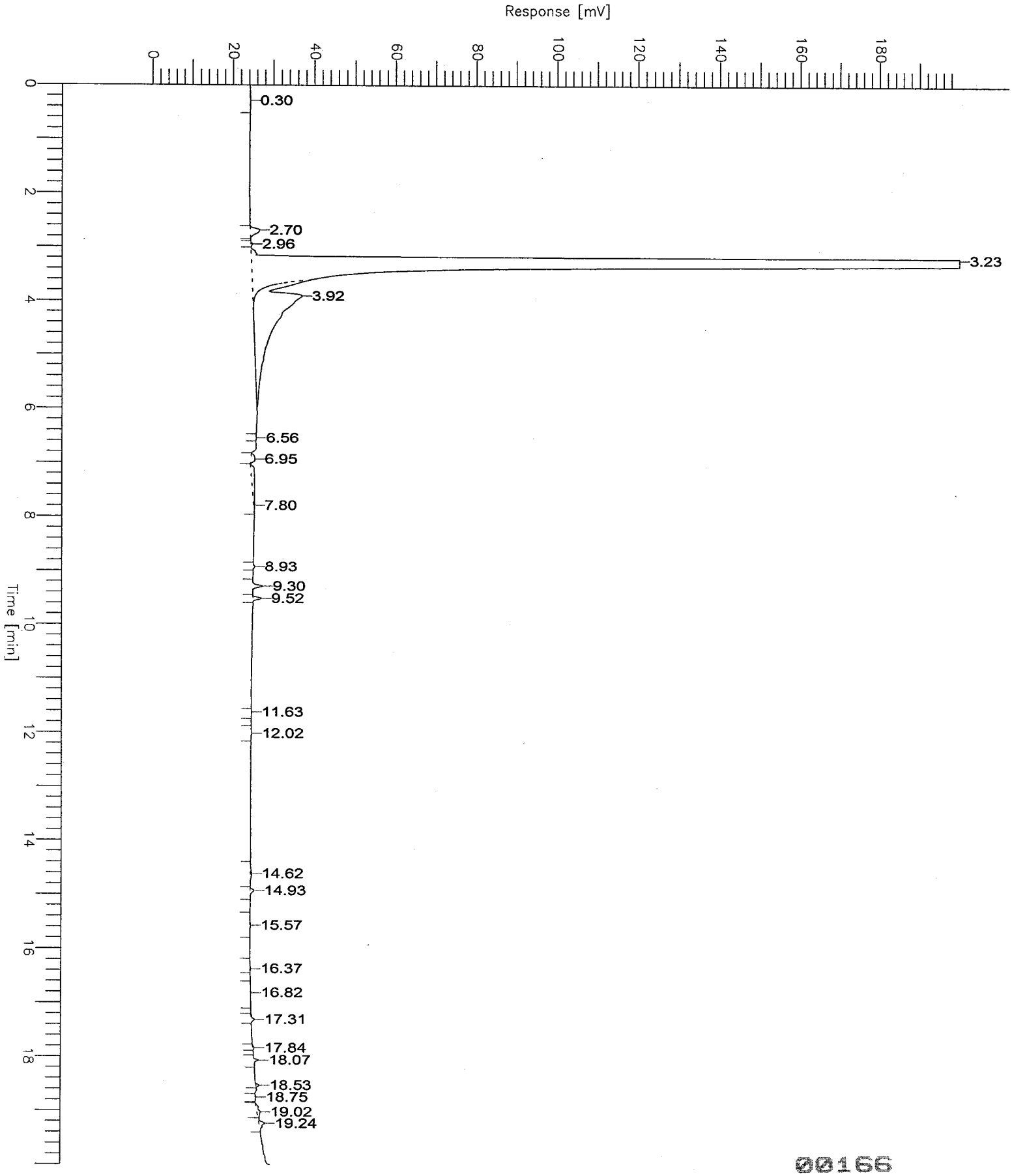
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL225.TX0

7/26/12

Chromatogram

Sample Name : 1207213-01
FileName : C:\TC4\158\JULY2012\BJUL225.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 15:20
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00166

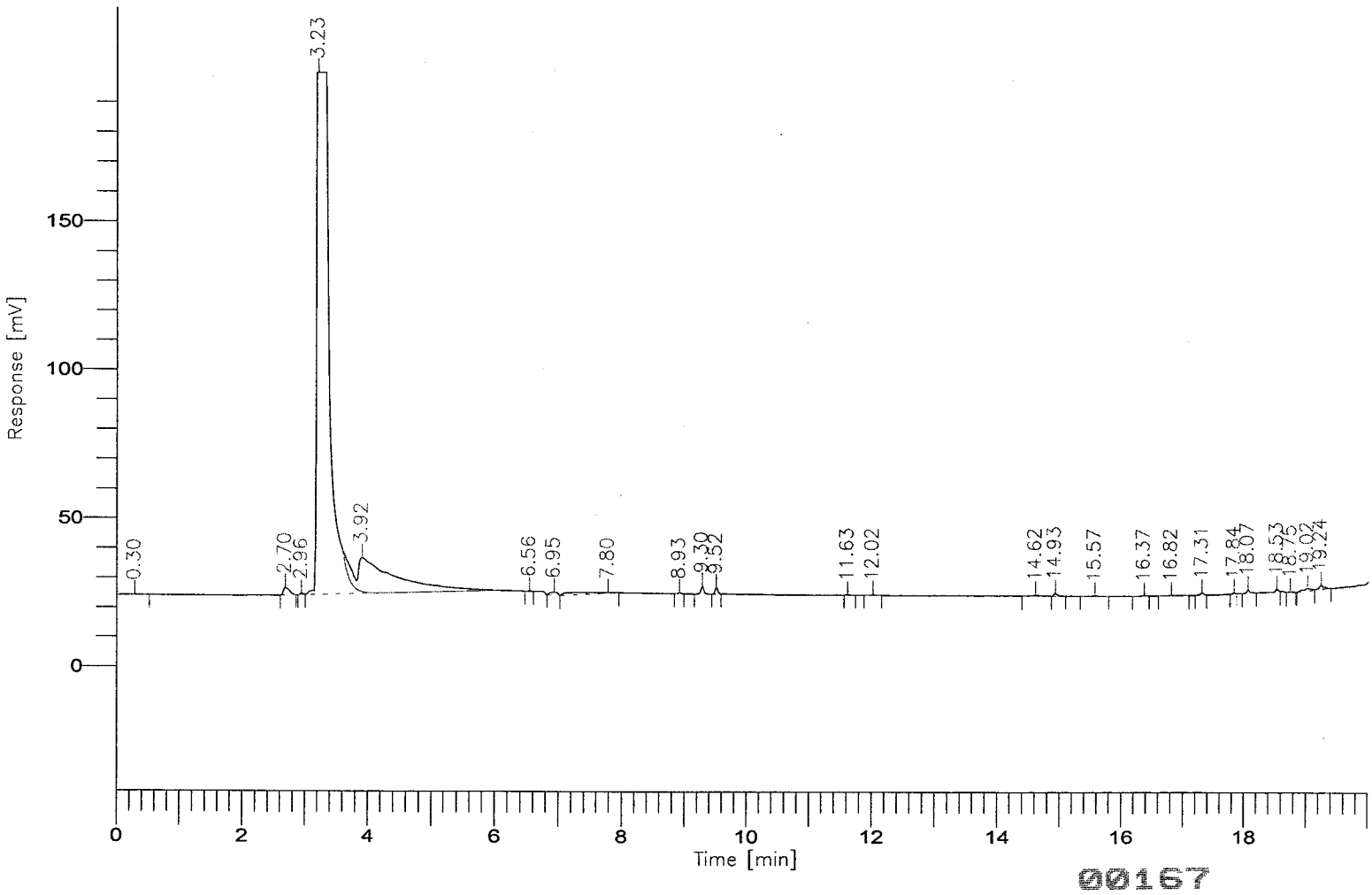
Software Version: 4.1<2F12>
Sample Name : 1207213-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 15:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL225.RAW
Result File : C:\TC4\158\JULY2012\BJUL225.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL225.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00167

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL225.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106057

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207213-02
File ID: AJUL226-0
Sampled: 07/16/12 14:55
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 15:48
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 34.5 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.27	0.0088	0.050	

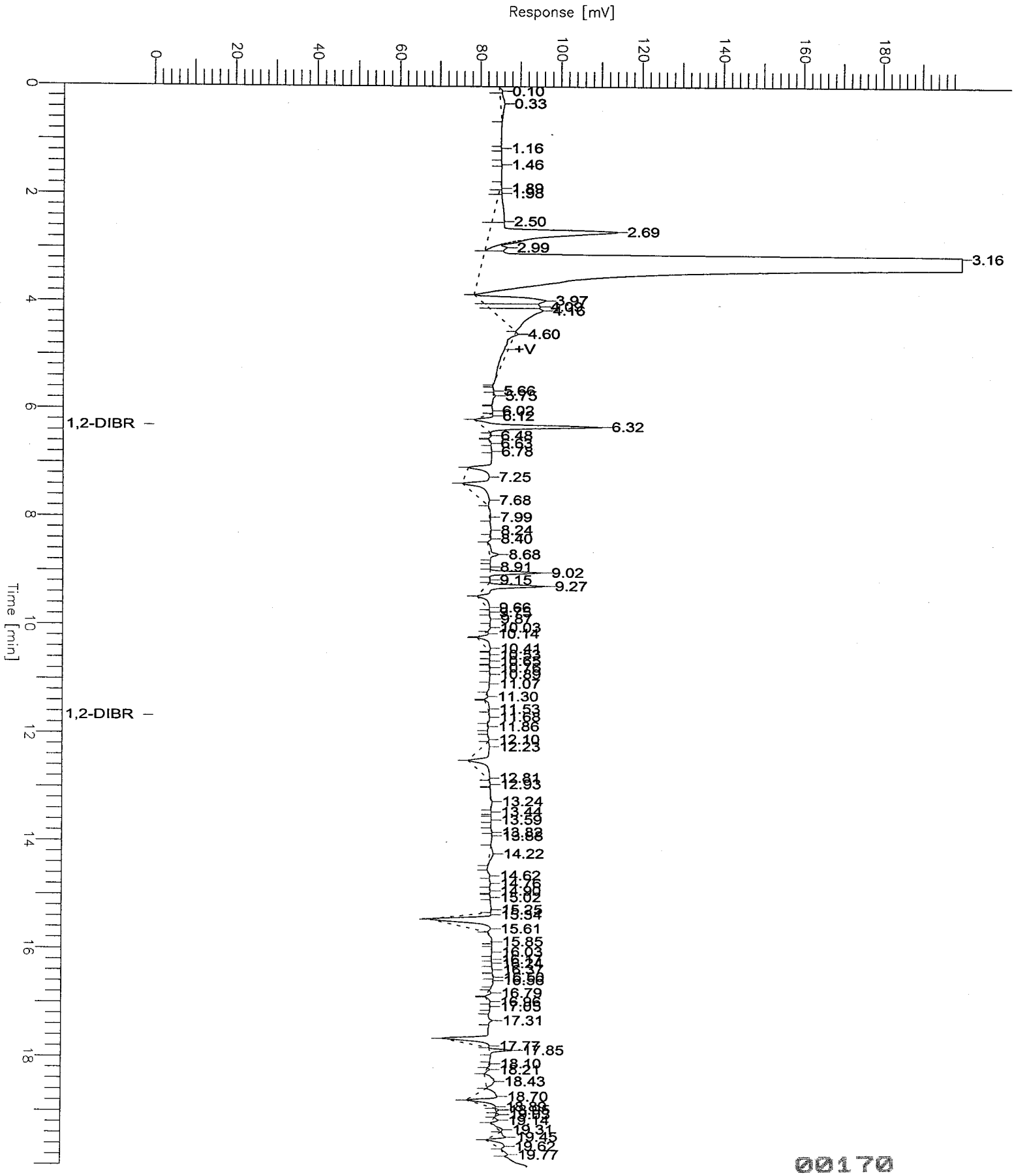
* Values outside of QC limits

00169

Chromatogram

Sample Name : 1207213-02
FileName : C:\TC4\158\JULY2012\AJUL226.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 15:48
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00170

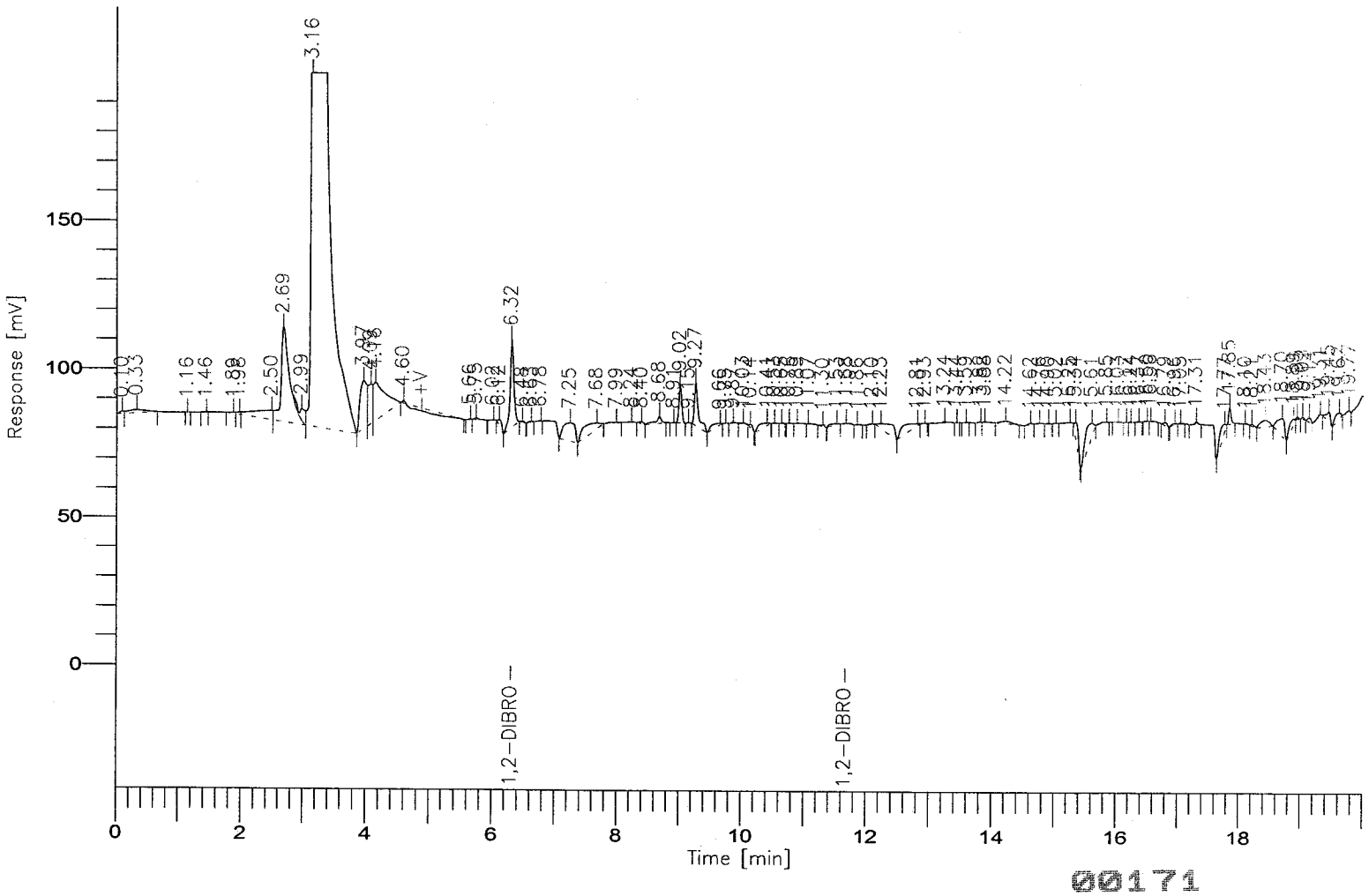
Software Version: 4.1<2F12>
Sample Name : 1207213-02 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 15:48
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL226.RAW
Result File : C:\TC4\158\JULY2012\AJUL226.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL226.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00171

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0046	29403.60	124098.50	34	2	0.26501
11.68	1,2-DIBROMO3CHLOROPR	-0.0002	322.78	2710.00	34	2	-0.00949
			29726.38	126808.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL226.TX0

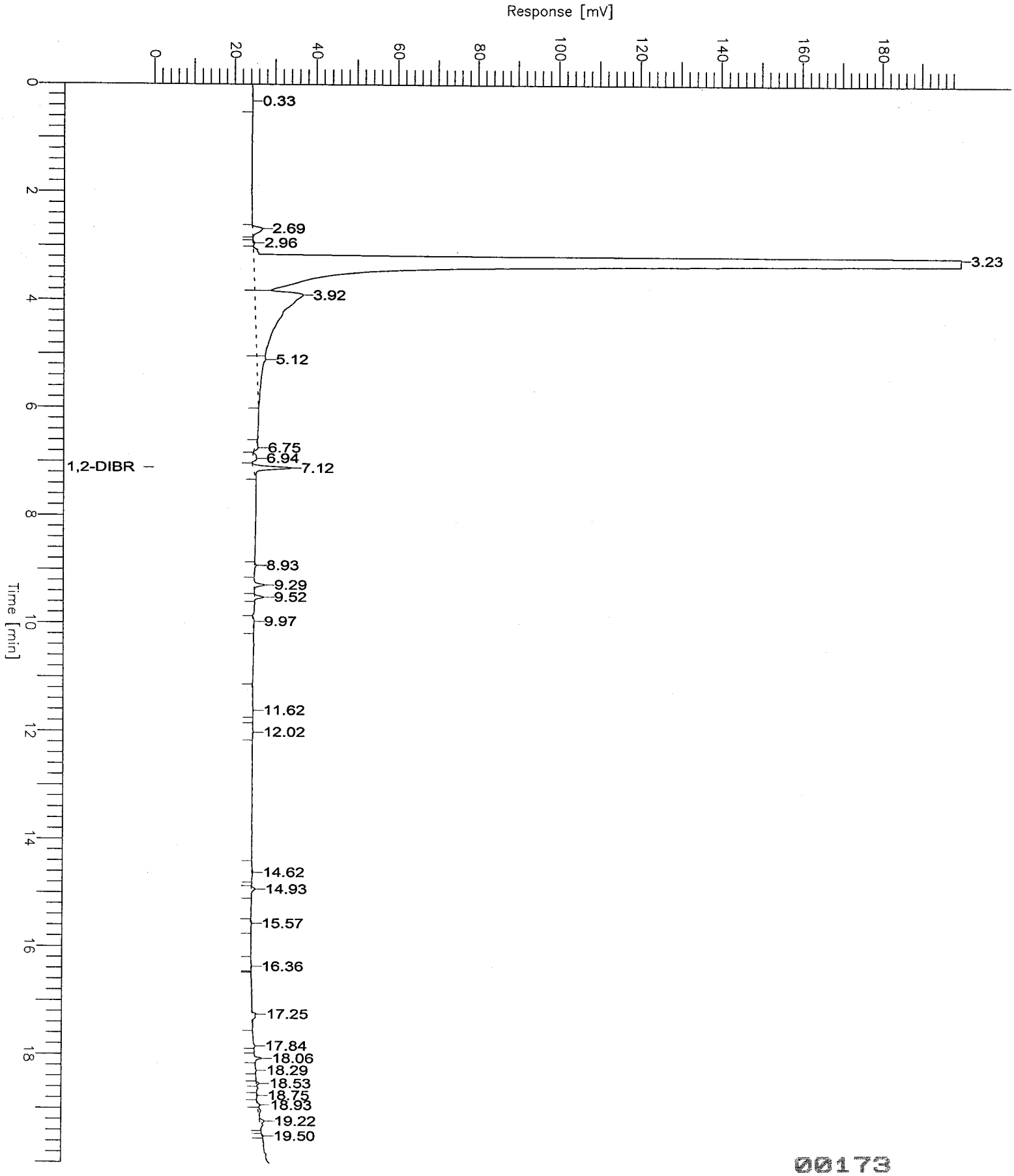
7/26/12

00172

Chromatogram

Sample Name : 1207213-02
FileName : C:\TC4\158\JULY2012\BJUL226.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 15:48
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00173

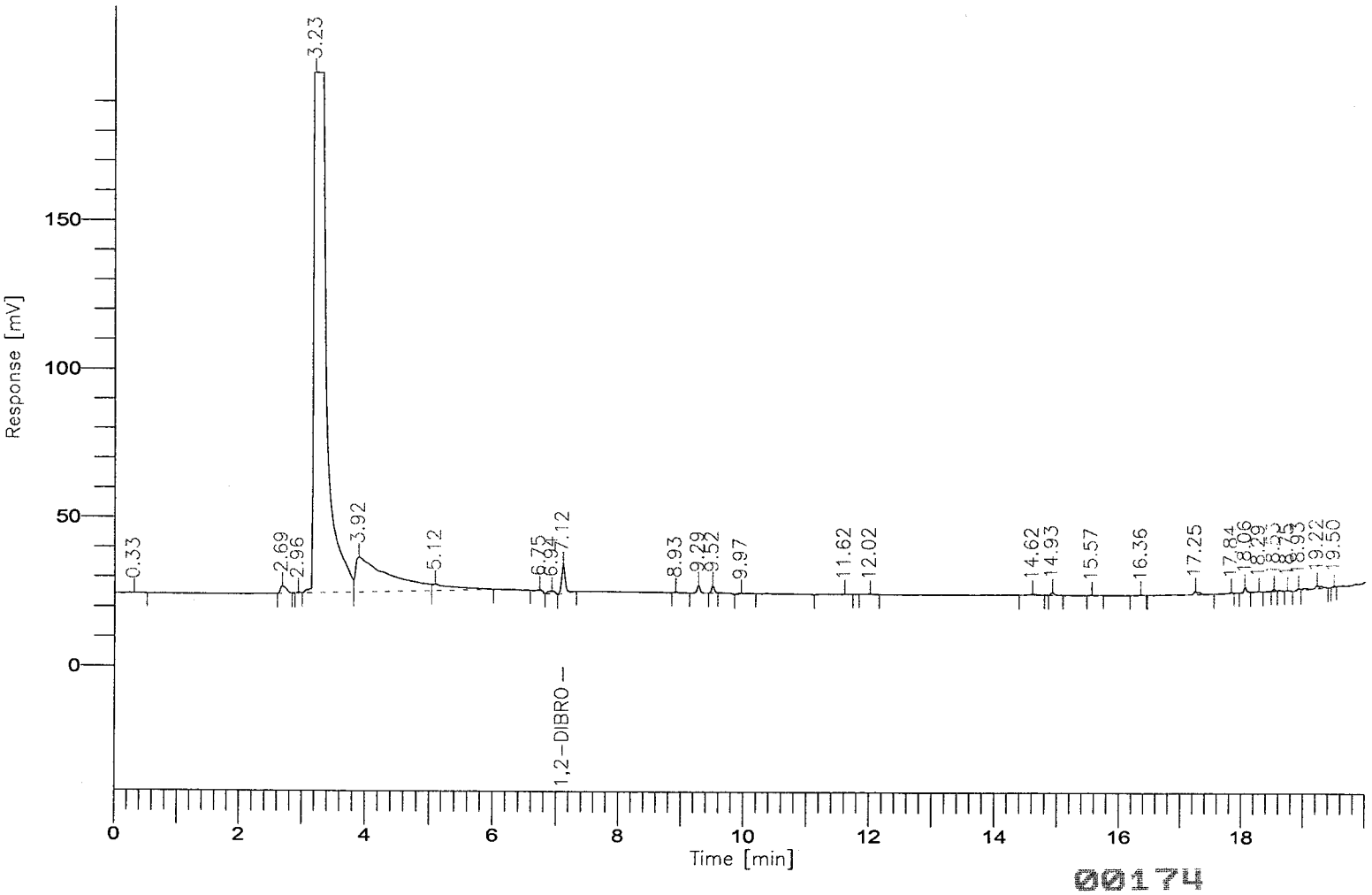
Software Version: 4.1<2F12>
Sample Name : 1207213-02 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 15:48
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL226.RAW
Result File : C:\TC4\158\JULY2012\BJUL226.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL226.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00174

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0036	9626.42	39169.00	34	2	0.21016
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	34	2	0.00000
			9626.42	39169.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL226.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106107

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207239-01
File ID: AJUL227-0
Sampled: 07/17/12 10:00
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 16:17
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

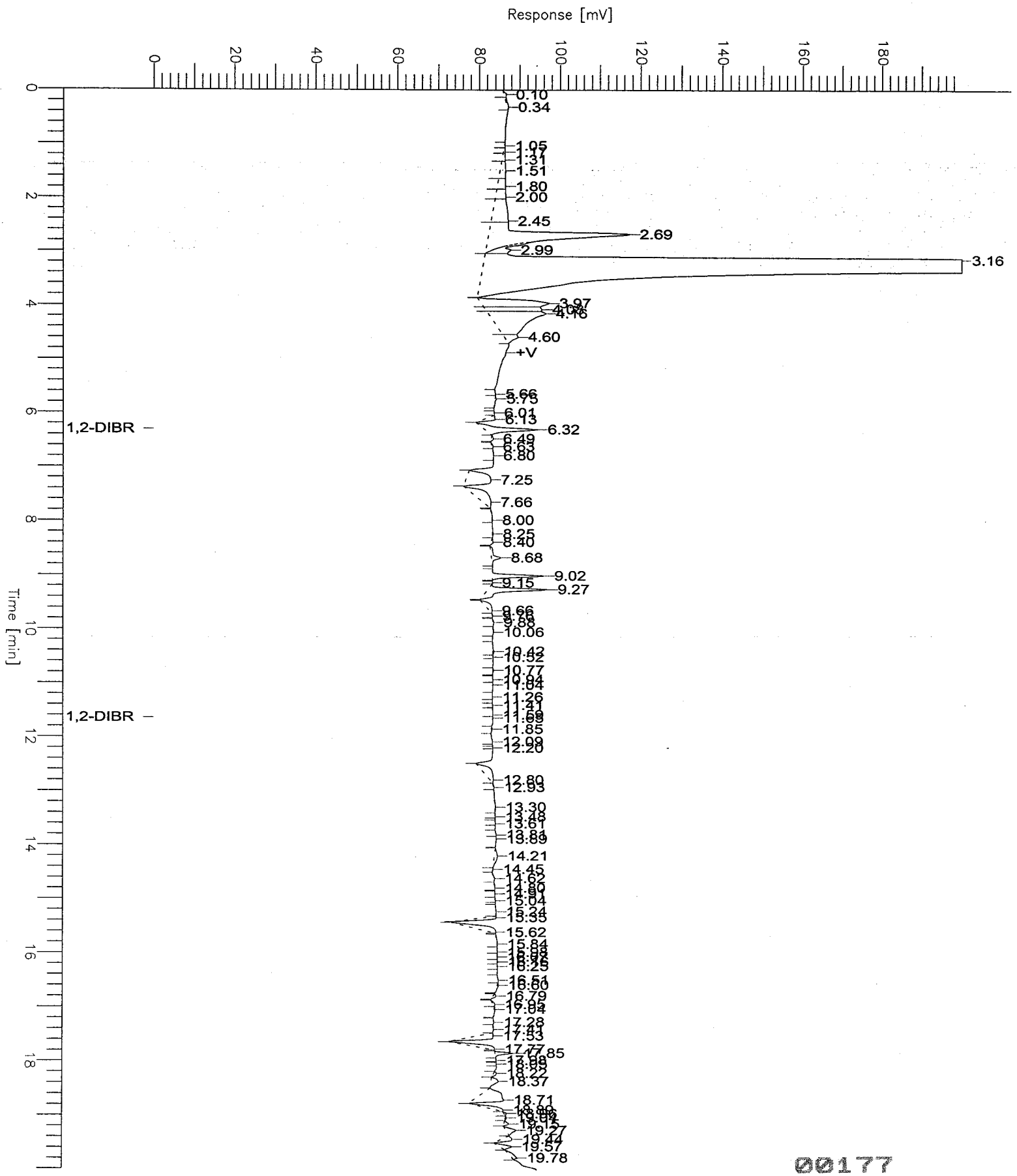
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.10	0.0088	0.050	

* Values outside of QC limits

Chromatogram

Sample Name : 1207239-01
FileName : C:\TC4\158\JULY2012\AJUL227.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 16:17
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00177

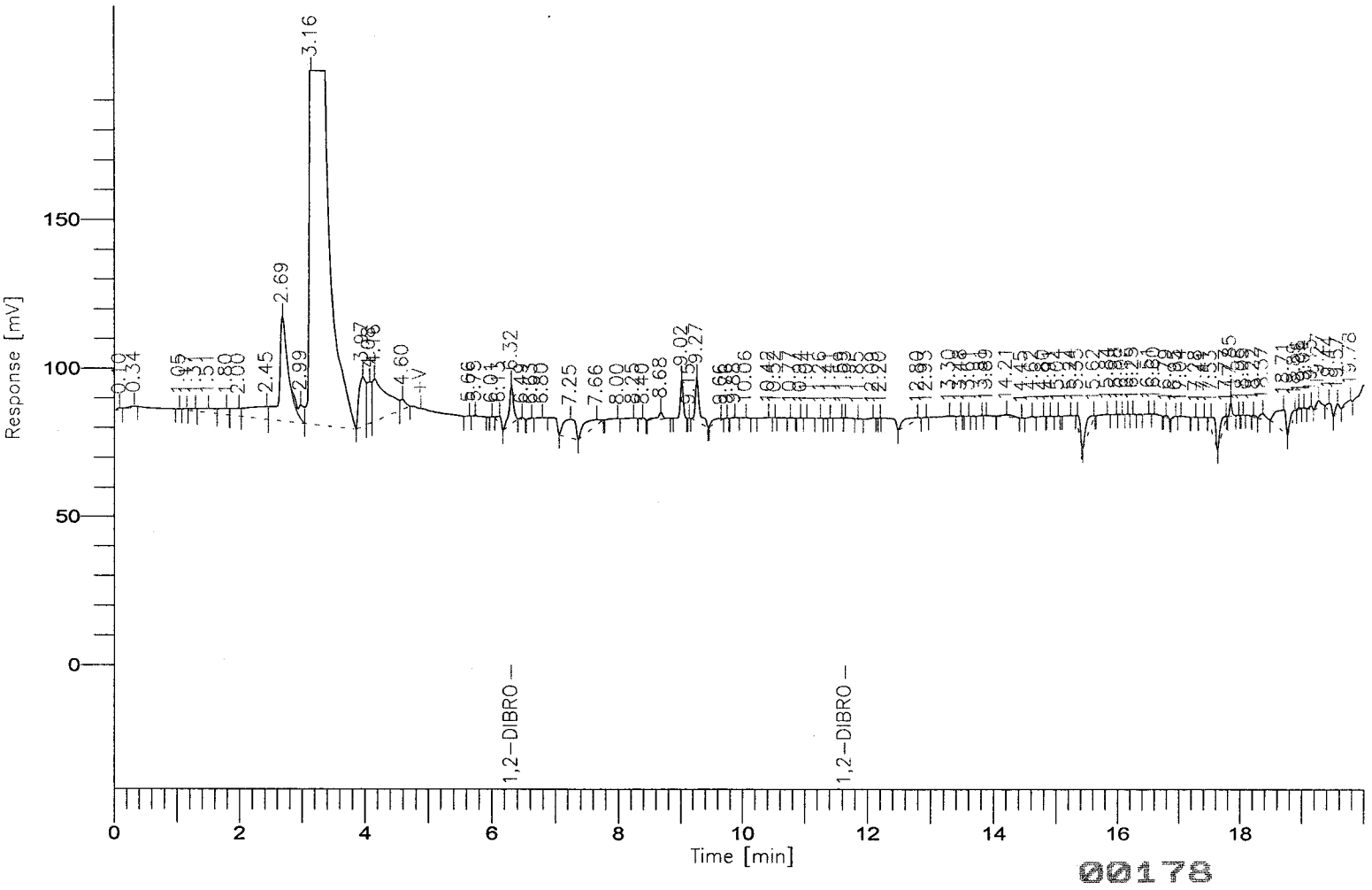
Software Version: 4.1<2F12>
Sample Name : 1207239-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 16:17
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL227.RAW
Result File : C:\TC4\158\JULY2012\AJUL227.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL227.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00178

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0018	13144.08	62988.00	35	2	0.10073
11.65	1,2-DIBROMO3CHLOROPR	-0.0002	86.07	1213.00	35	2	-0.01087
			13230.16	64201.00			

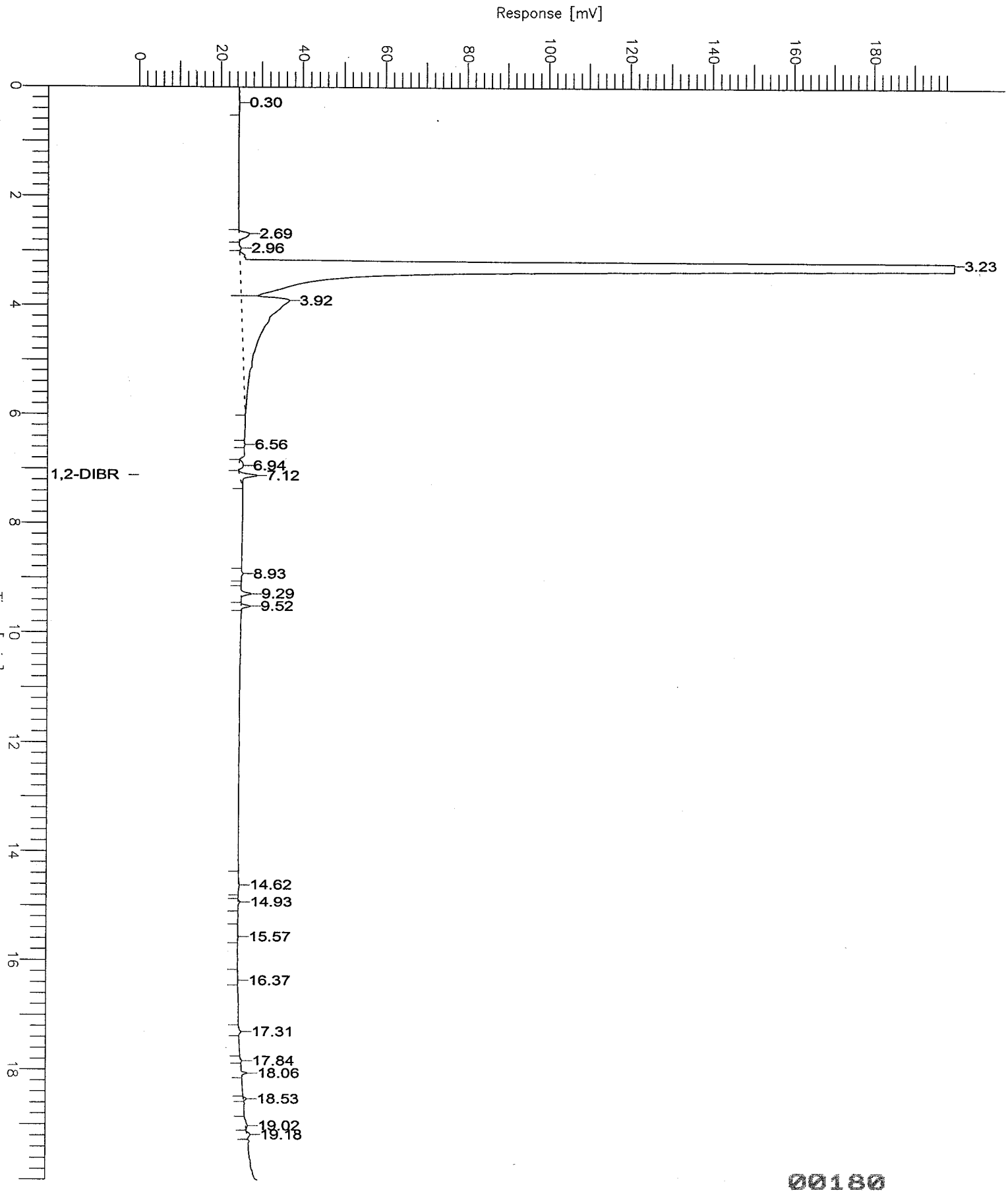
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL227.TX0

7/26/12

Chromatogram

Sample Name : 1207239-01
FileName : C:\TC4\158\JULY2012\BJUL227.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 16:17
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00180

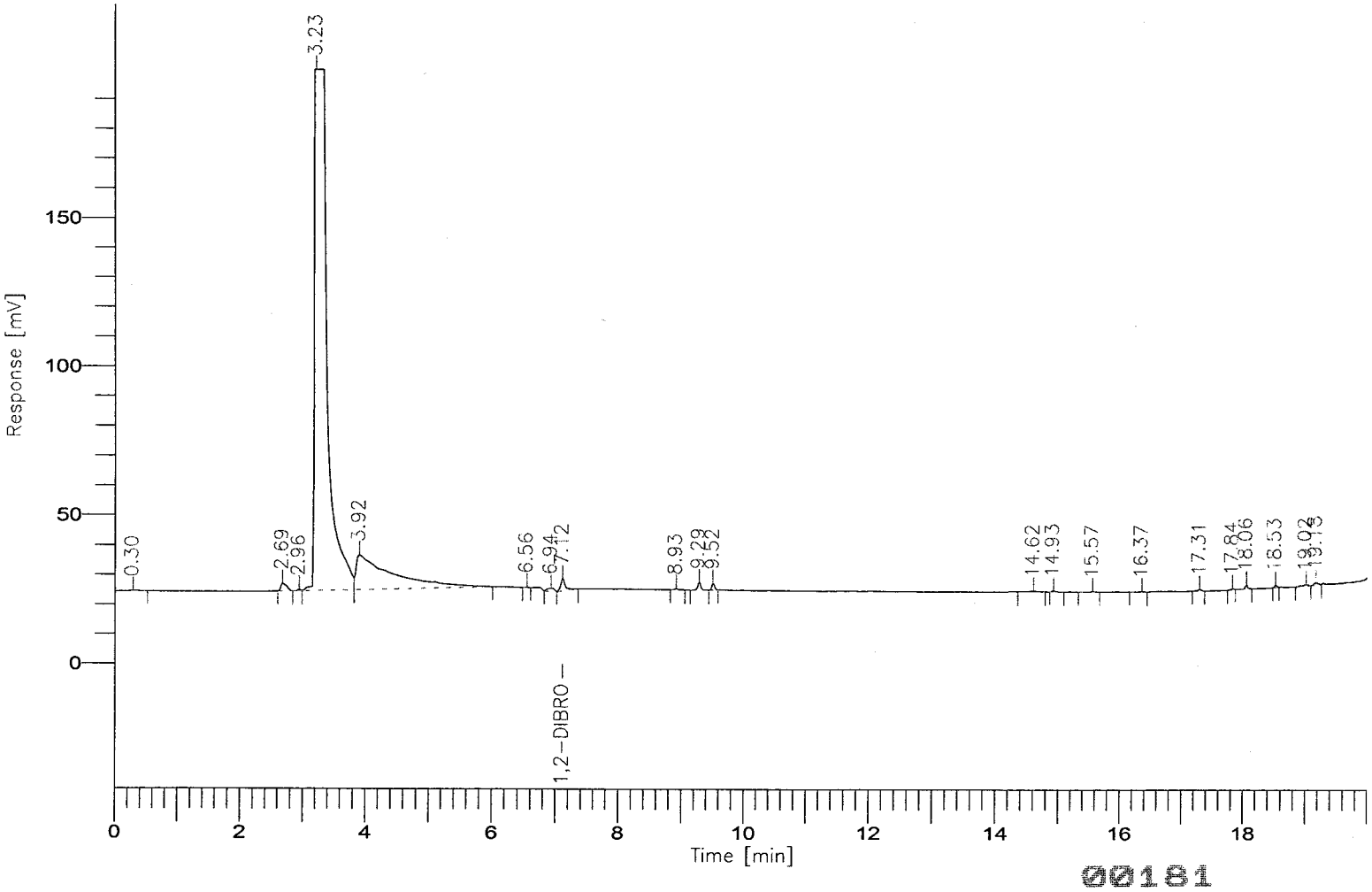
Software Version: 4.1<2F12>
Sample Name : 1207239-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 16:17
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL227.RAW
Result File : C:\TC4\158\JULY2012\BJUL227.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL227.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00181

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0014	4272.61	20983.00	35	2	0.07819
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			4272.61	20983.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL227.TX0

7/26/12

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106106

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207239-02
File ID: AJUL228-0
Sampled: 07/17/12 12:15
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 16:45
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

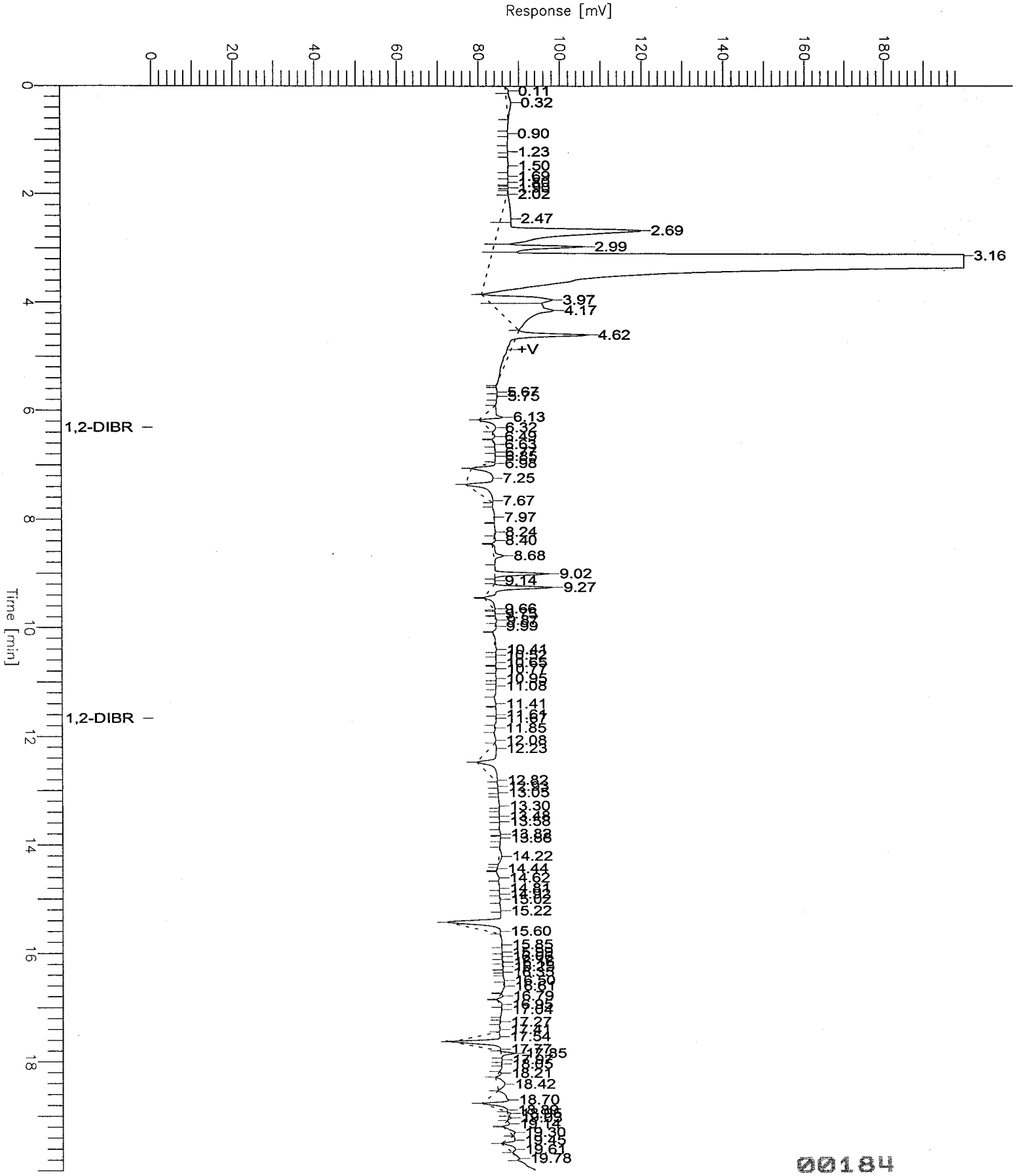
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207239-02
FileName : C:\TC4\158\JULY2012\AJUL228.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 16:45
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00184

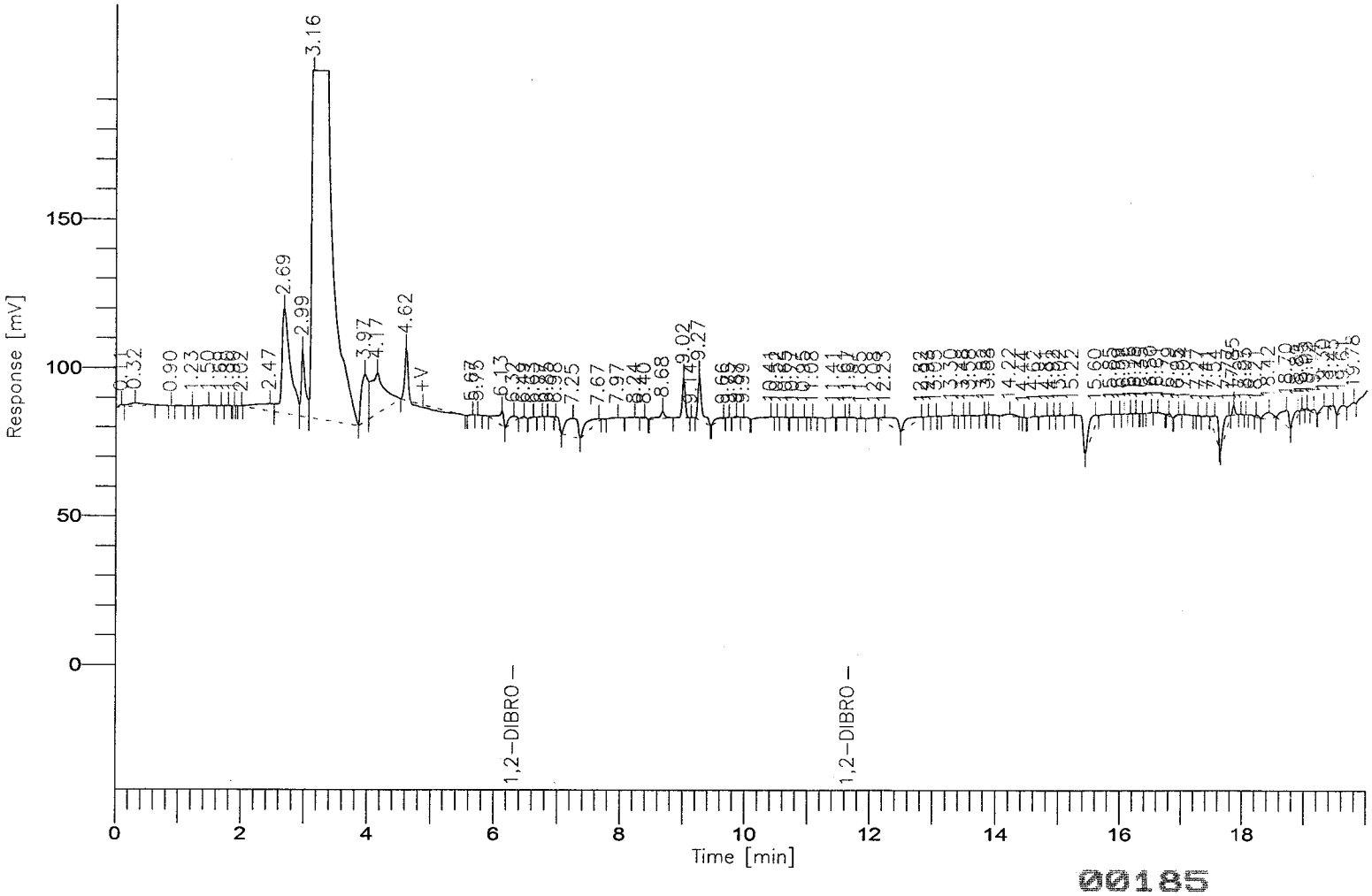
Software Version: 4.1<2F12>
Sample Name : 1207239-02 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 16:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL228.RAW
Result File : C:\TC4\158\JULY2012\AJUL228.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL228.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00185

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

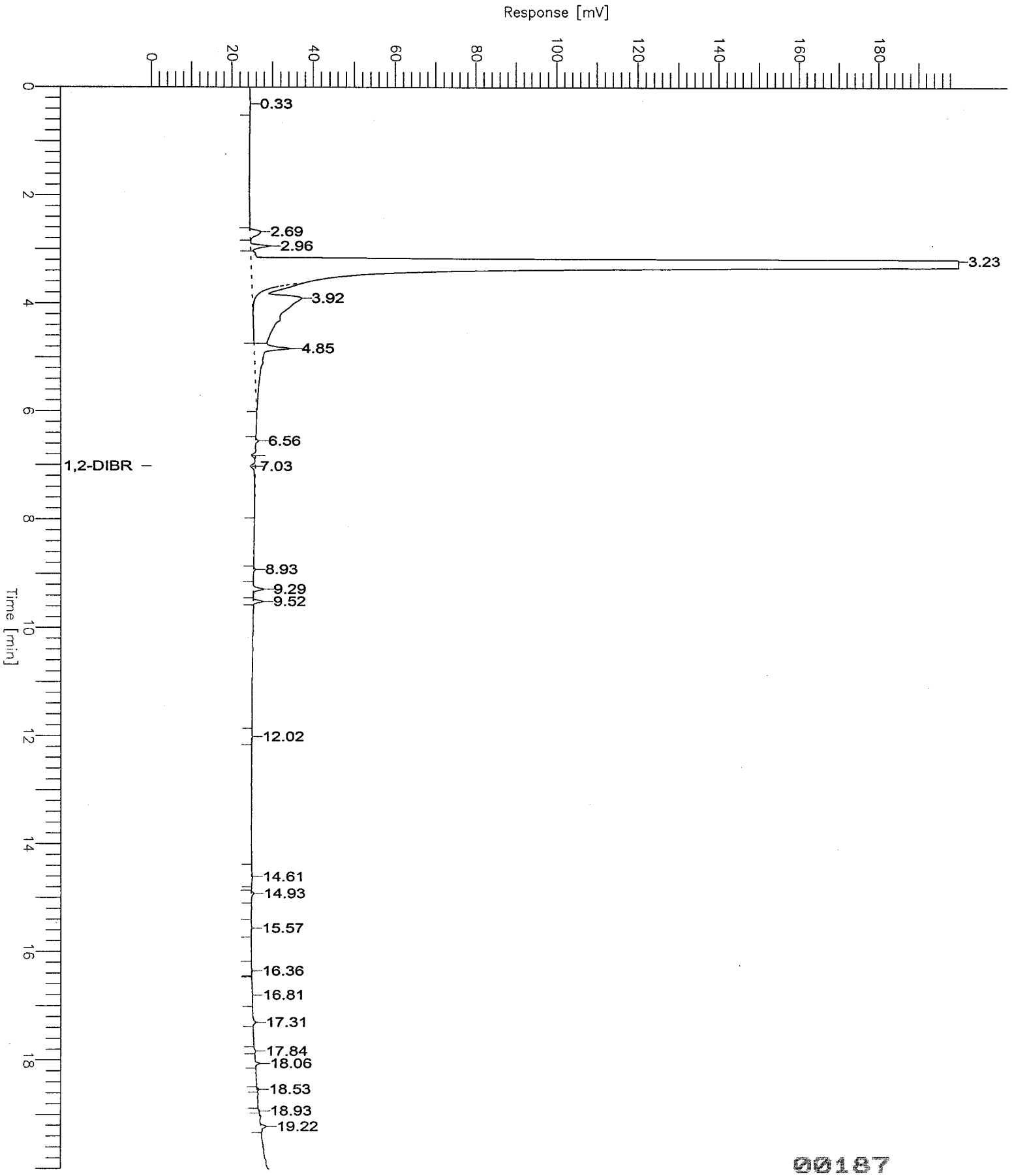
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0002	1867.79	21033.00	35	2	-0.01058	<MDL
11.67	1,2-DIBROMO3CHLOROPR	-0.0002	155.53	1353.00	35	2	-0.01043	
			2023.32	22386.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL228.TX0

Chromatogram

Sample Name : 1207239-02
FileName : C:\TC4\158\JULY2012\BJUL228.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 16:45
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00187

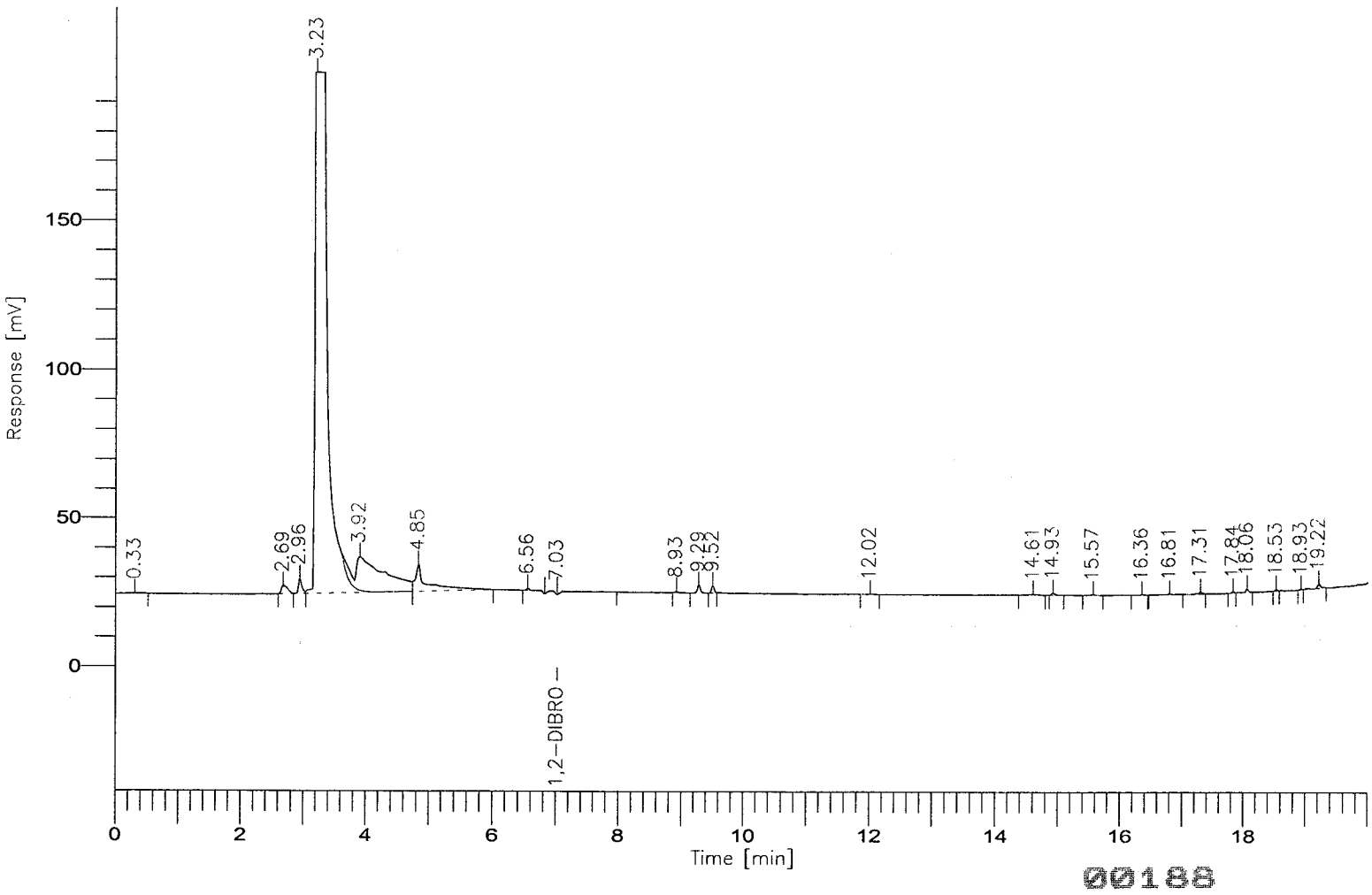
Software Version: 4.1<2F12>
Sample Name : 1207239-02 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 16:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL228.RAW
Result File : C:\TC4\158\JULY2012\BJUL228.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL228.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00188

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	-0.0009	-1220.10	5653.80	35	2	-0.05413	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			-1220.10	5653.80				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL228.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106105

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207239-03 File ID: AJUL229-0

Sampled: 07/17/12 14:40 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 17:14

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

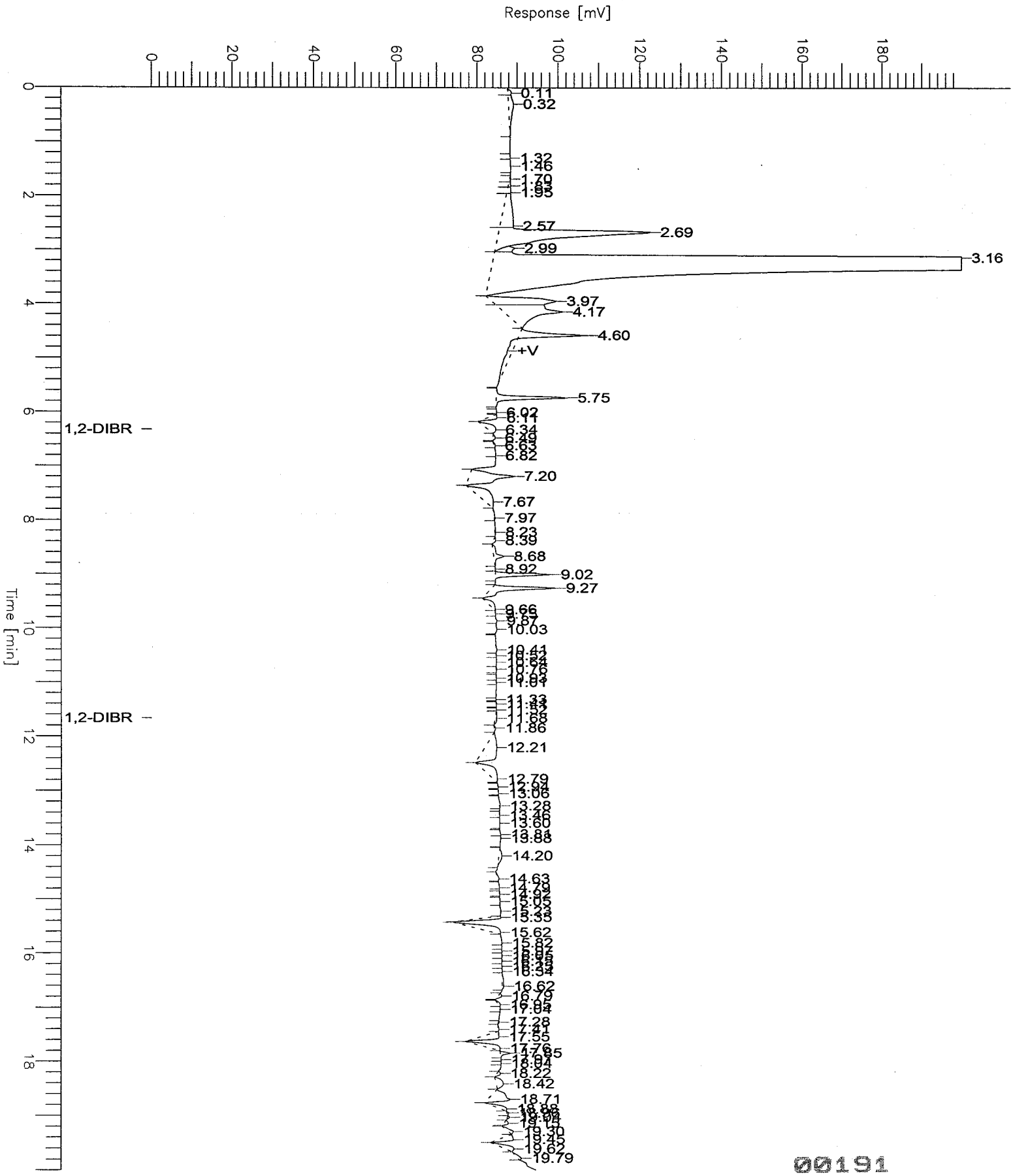
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207239-03
FileName : C:\TC4\158\JULY2012\AJUL229.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 17:14
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



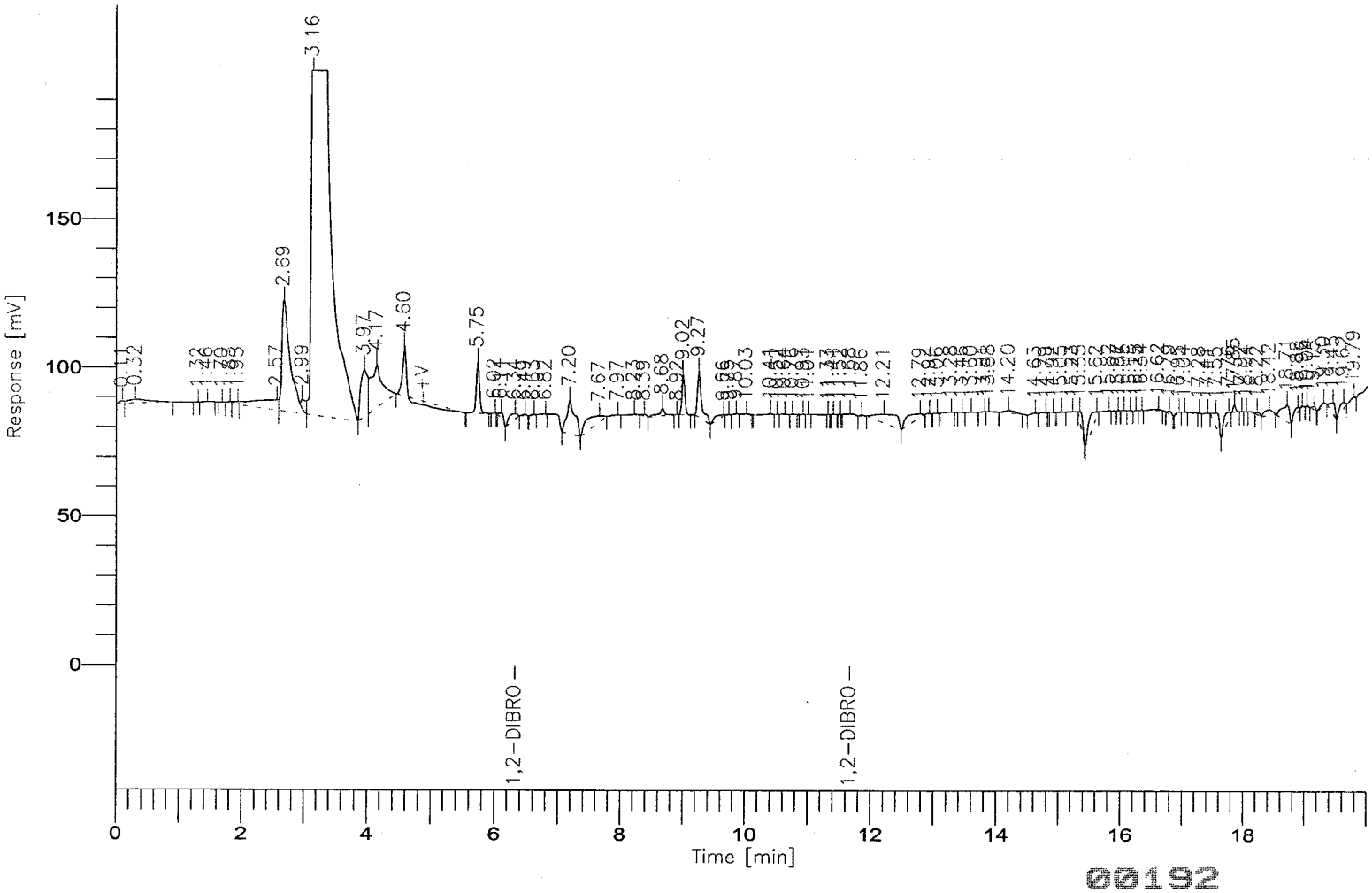
Software Version: 4.1<2F12>
Sample Name : 1207239-03 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 17:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL229.RAW
Result File : C:\TC4\158\JULY2012\AJUL229.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL229.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00192

TriMatrix Laboratories GC158 EPA METHOD 8011

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Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

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Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.34	1,2-DIBROMOETHANE	-0.0002	1789.67	23729.50	35	2	-0.01135	ZMDL
11.68	1,2-DIBROMO3CHLOROPR	-0.0002	377.35	3577.50	35	2	-0.00901	
			2167.02	27307.00				

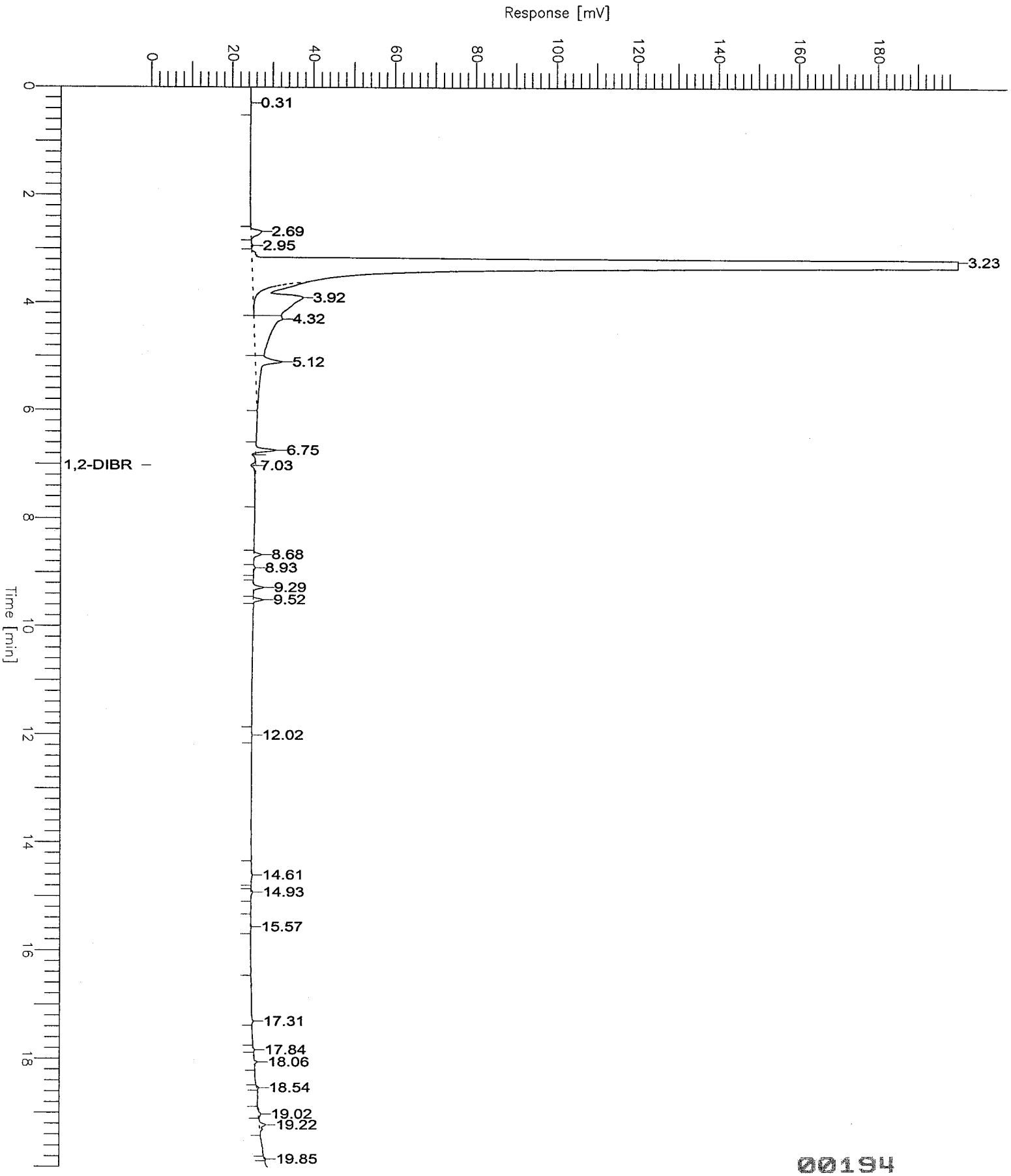
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL229.TX0

7/26/12

Chromatogram

Sample Name : 1207239-03
FileName : C:\TC4\158\JULY2012\BJUL229.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 17:14
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



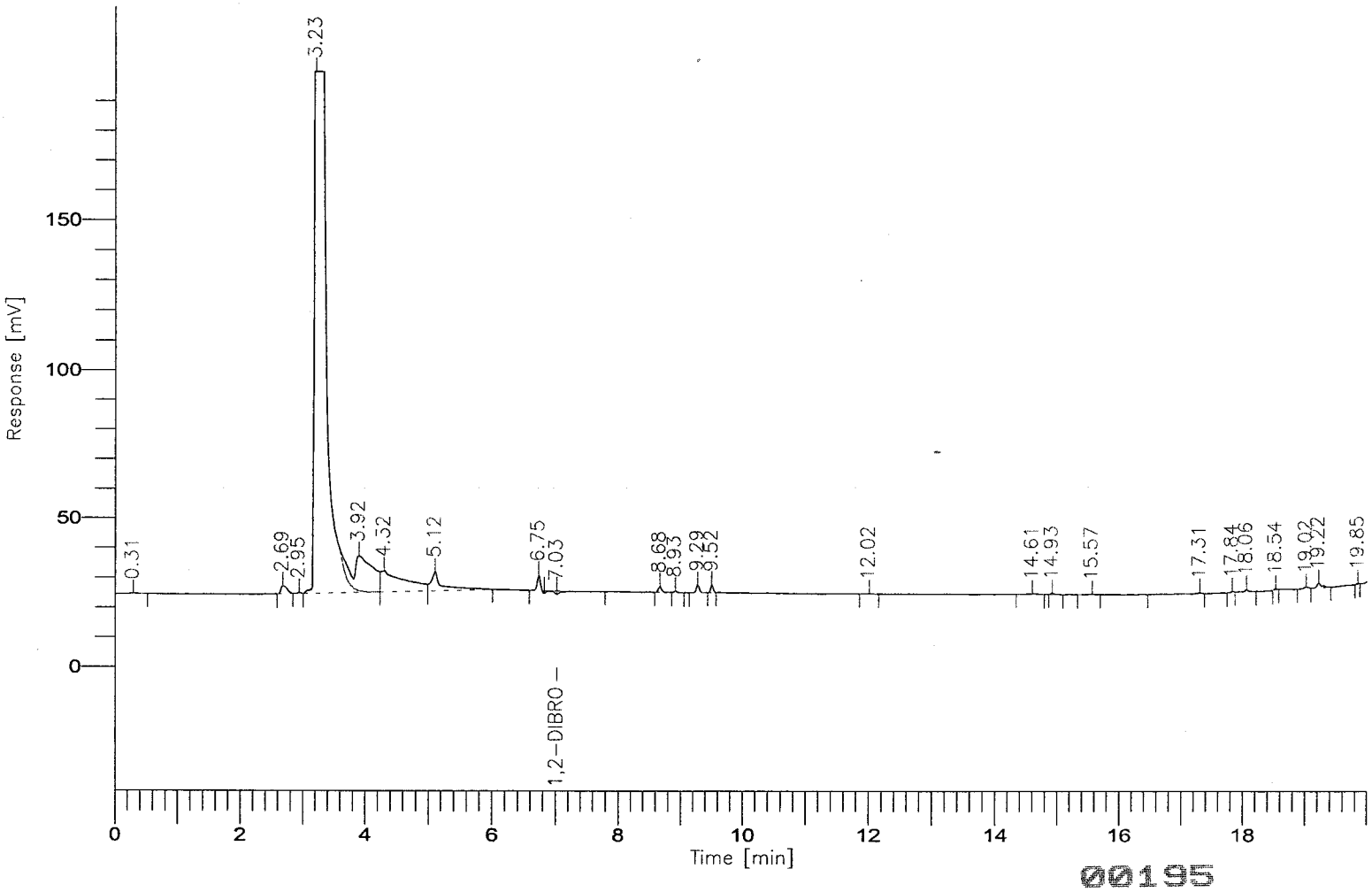
Software Version: 4.1<2F12>
Sample Name : 1207239-03 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 17:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL229.RAW
Result File : C:\TC4\158\JULY2012\BJUL229.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL229.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00195

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	-0.0009	-1195.11	5379.33	35	2	-0.05353	LMDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			-1195.11	5379.33				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL229.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106102

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207258-01 File ID: AJUL230-0

Sampled: 07/18/12 10:11 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 17:42

Solids: Preparation: Method-Specific Extracti Initial/Final: 34.9 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.59	0.0088	0.050	

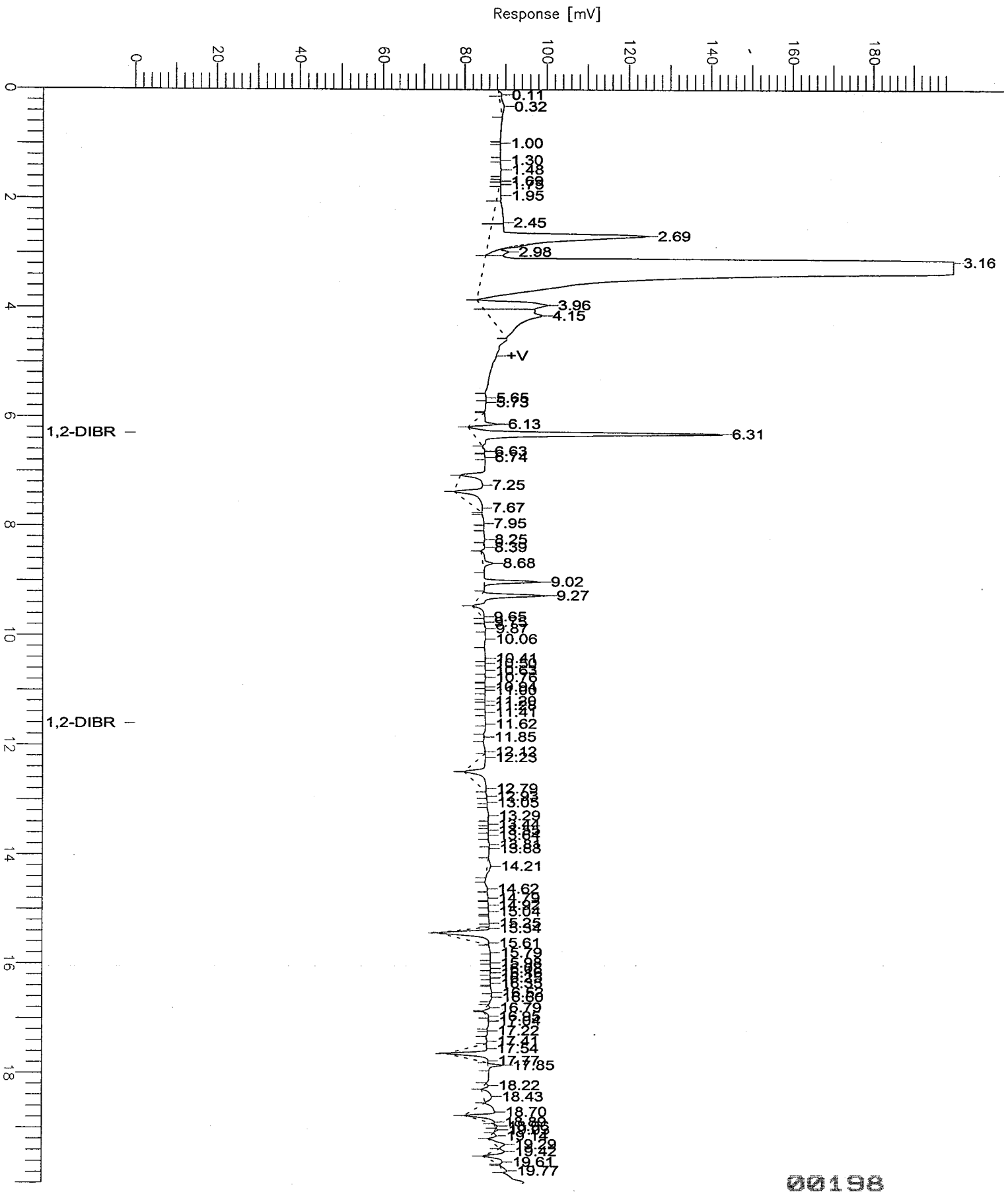
* Values outside of QC limits

00197

Chromatogram

Sample Name : 1207258-01
FileName : C:\TC4\158\JULY2012\AJUL230.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 17:42
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



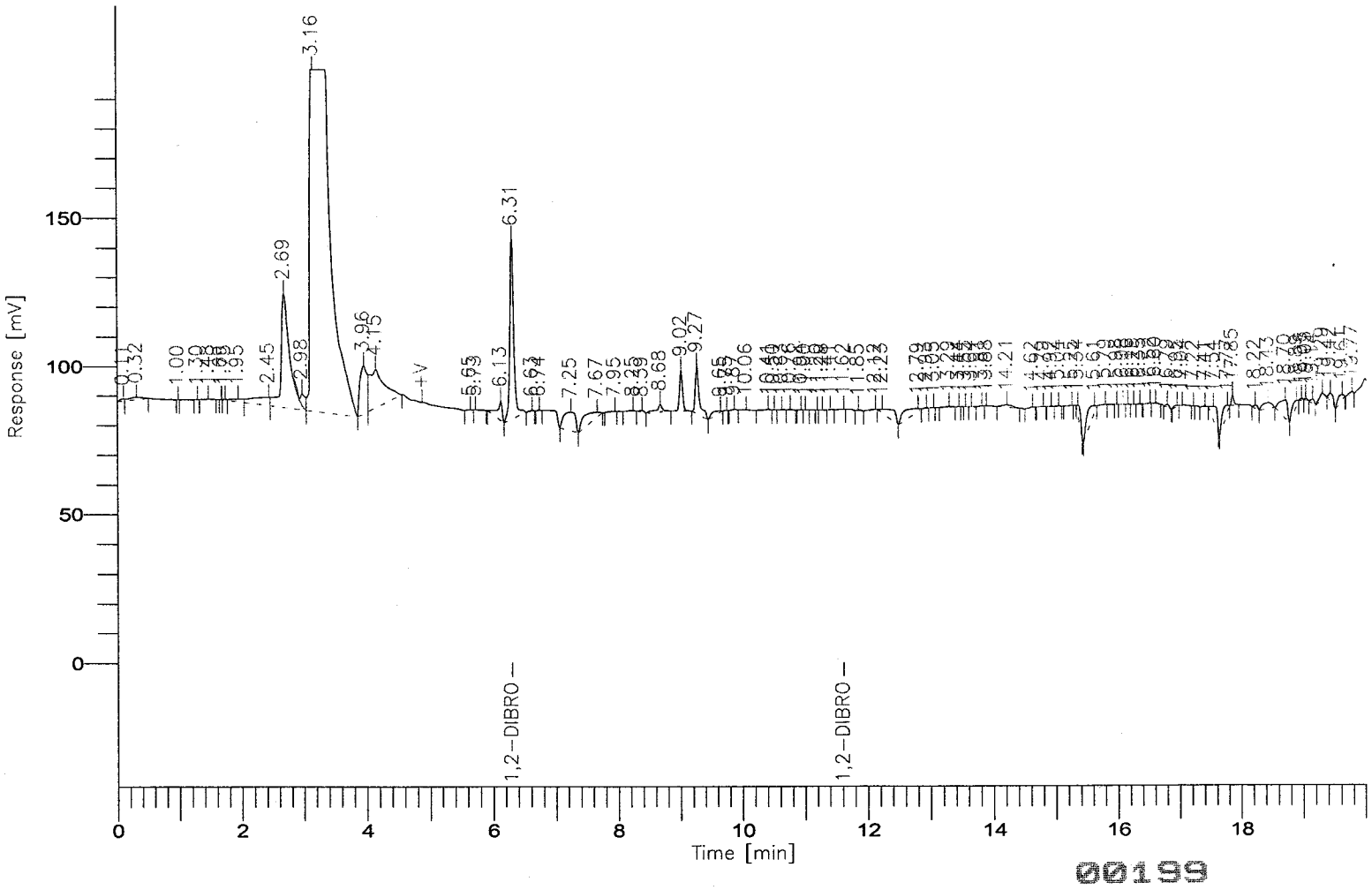
Software Version: 4.1<2F12>
Sample Name : 1207258-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 17:42
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL230.RAW
Result File : C:\TC4\158\JULY2012\AJUL230.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL230.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00199

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0103	62679.51	271587.50	35	2	0.59137
11.62	1,2-DIBROMO3CHLOROPR	-0.0002	29.82	248.00	35	2	-0.01126
			62709.33	271835.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL230.TX0

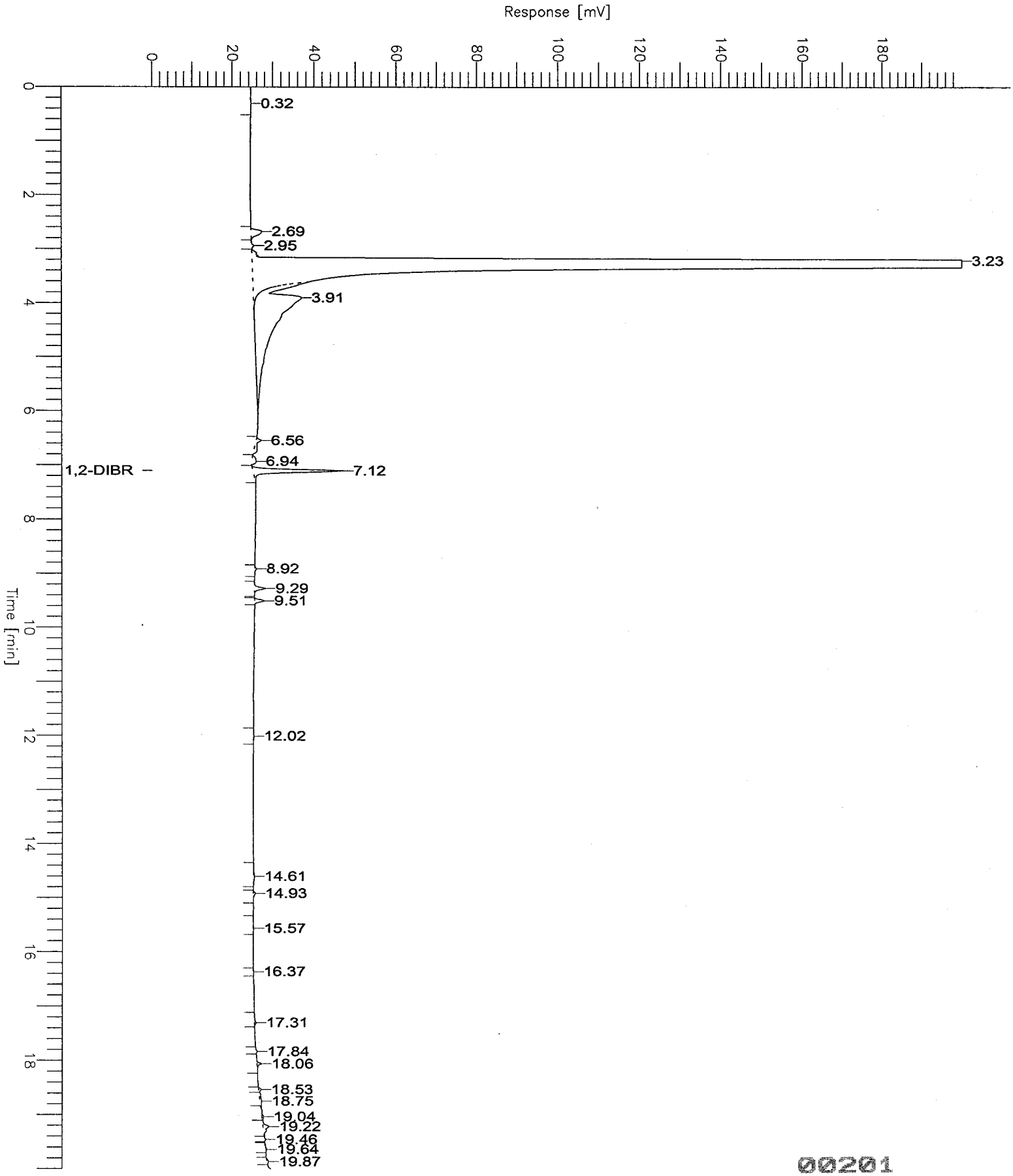
7/26/12

00200

Chromatogram

Sample Name : 1207258-01
FileName : C:\TC4\158\JULY2012\BJUL230.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 17:42
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00201

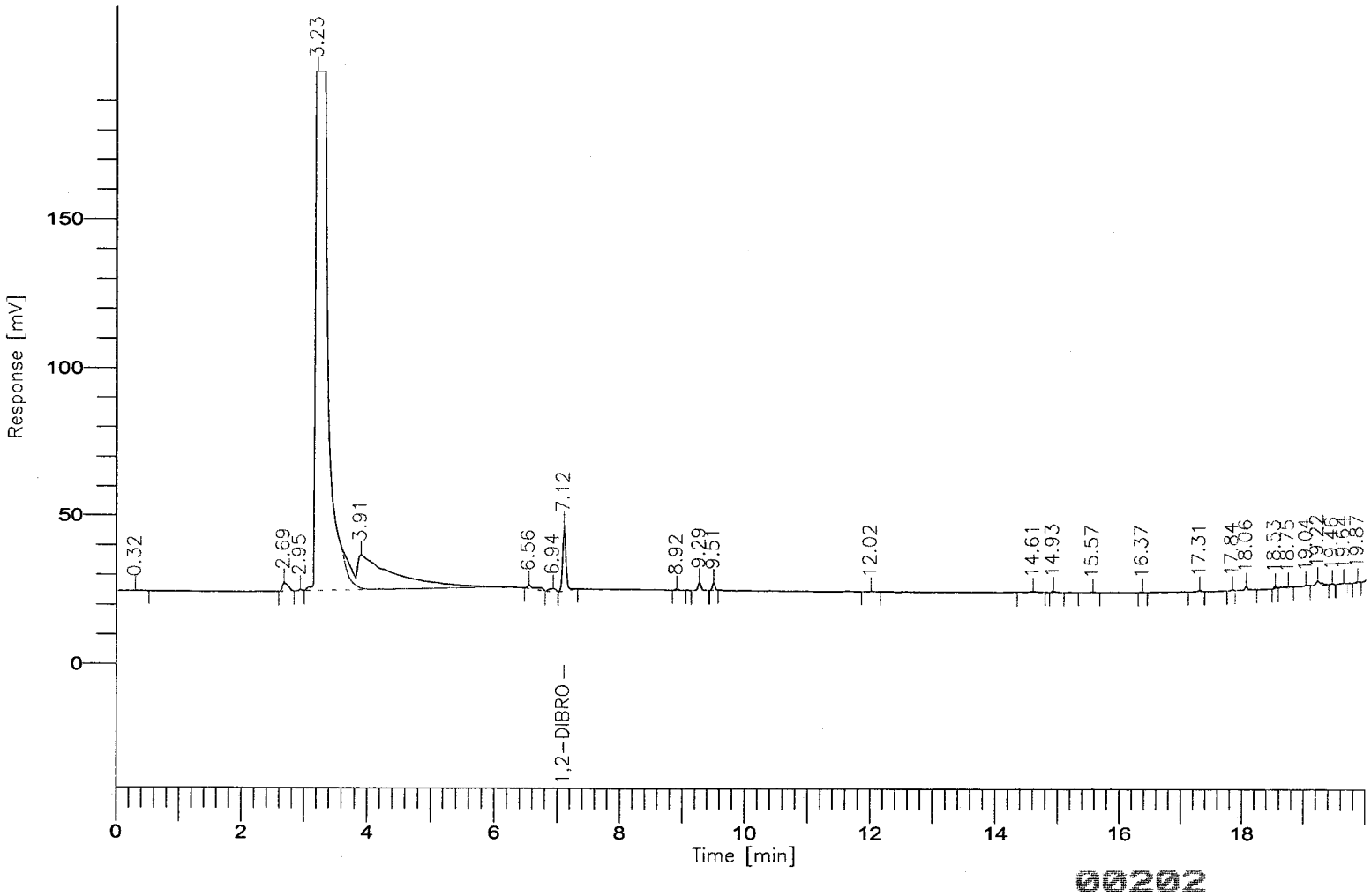
Software Version: 4.1<2F12>
Sample Name : 1207258-01 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 17:42
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL230.RAW
Result File : C:\TC4\158\JULY2012\BJUL230.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL230.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00202

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0089	22037.20	83438.00	35	2	0.50759
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			22037.20	83438.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL230.TX0

7/26/12

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106031

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207258-02 File ID: AJUL231-0

Sampled: 07/18/12 11:06 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 18:11

Solids: Preparation: Method-Specific Extracti Initial/Final: 35.1 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

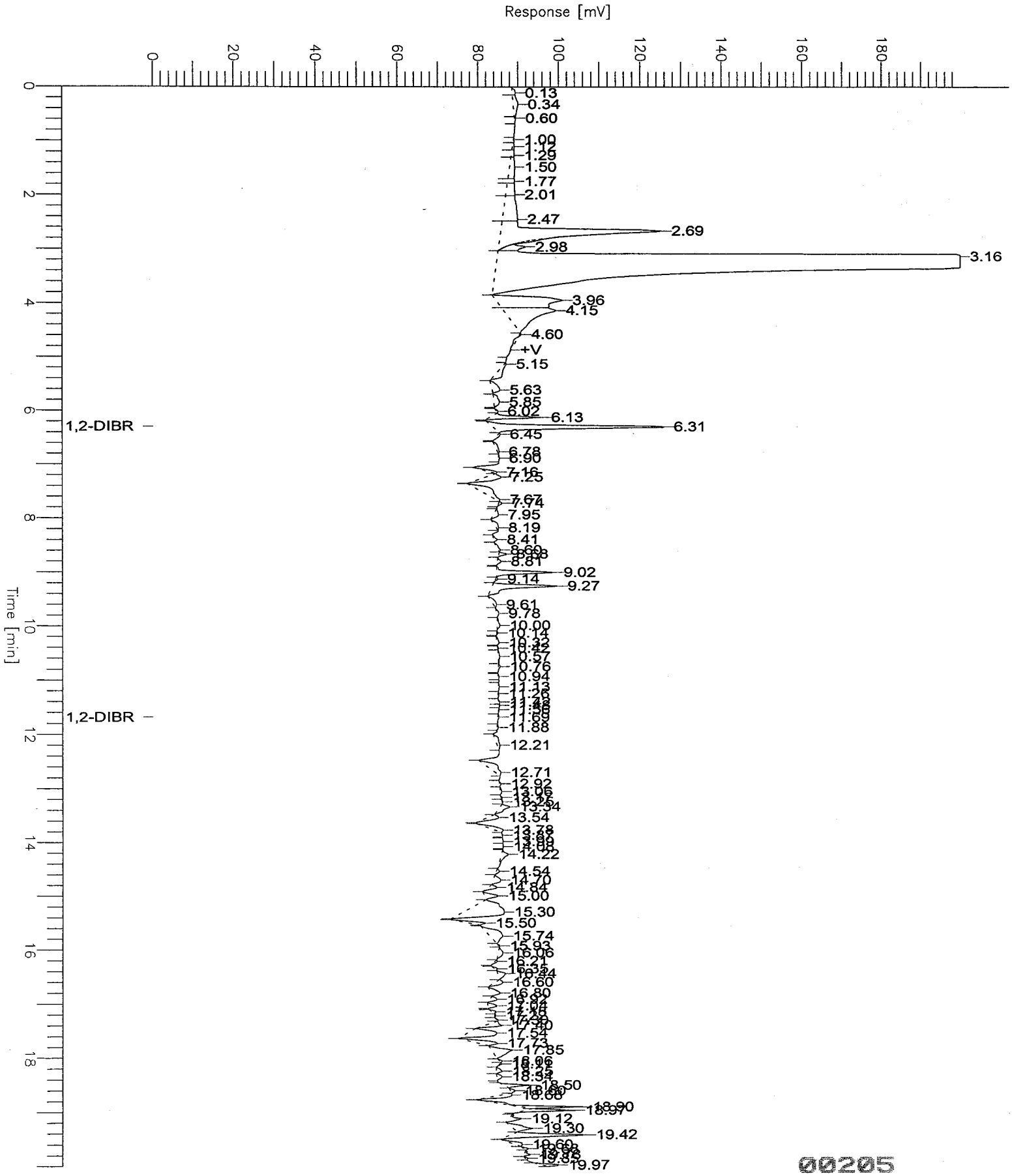
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.40	0.0088	0.050	

* Values outside of QC limits

Chromatogram

Sample Name : 1207258-02
FileName : C:\TC4\158\JULY2012\AJUL231.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 18:11
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00205

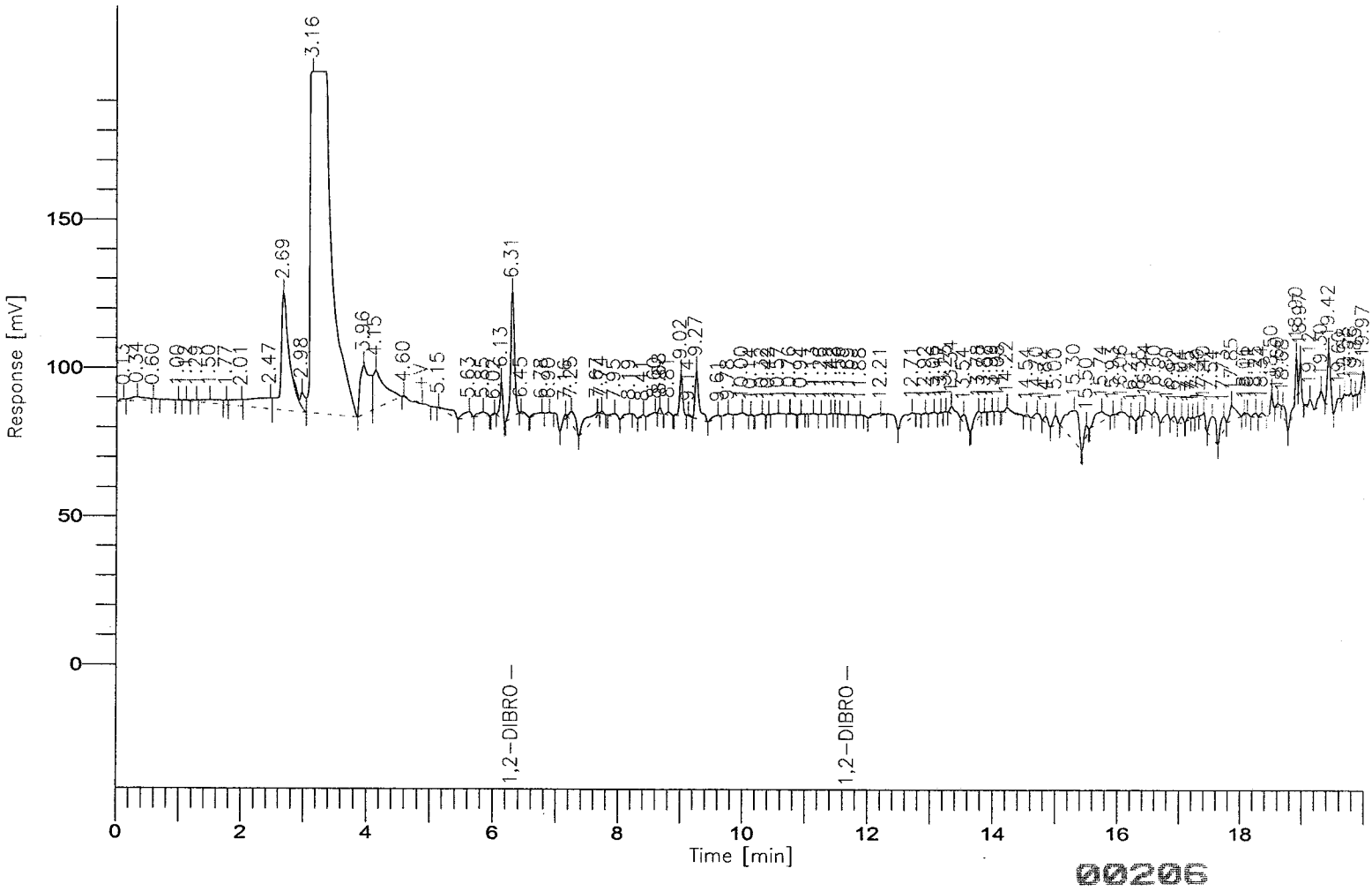
Software Version: 4.1<2F12>
Sample Name : 1207258-02 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 18:11
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL231.RAW
Result File : C:\TC4\158\JULY2012\AJUL231.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL231.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00206

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0071	43761.24	175125.00	35	2	0.40179
11.69	1,2-DIBROMO3CHLOROPR	-0.0002	312.76	1255.00	35	2	-0.00939
			44074.00	176380.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL231.TX0

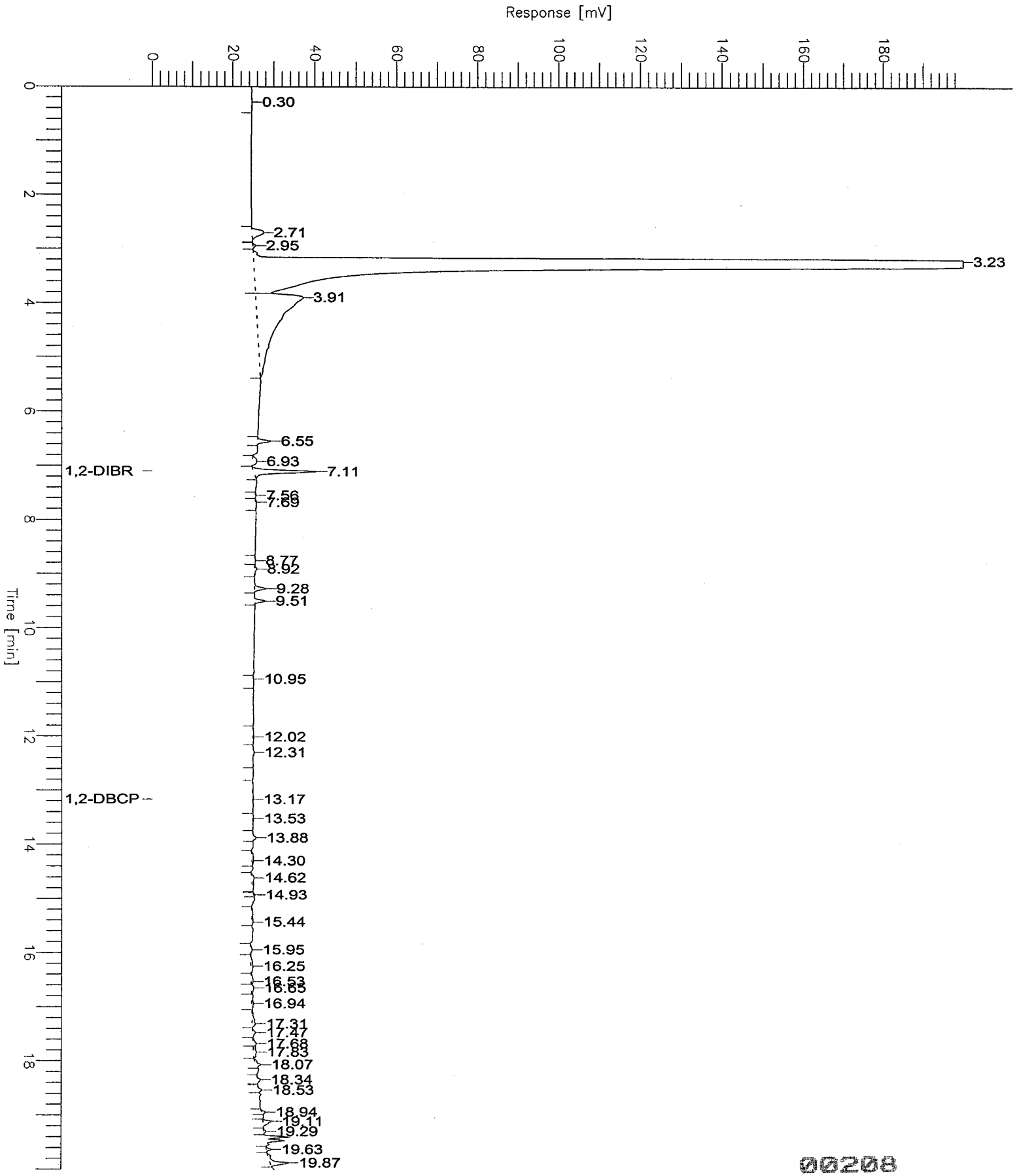
7/26/12

00207

Chromatogram

Sample Name : 1207258-02
FileName : C:\TC4\158\JULY2012\BJUL231.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 18:11
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00208

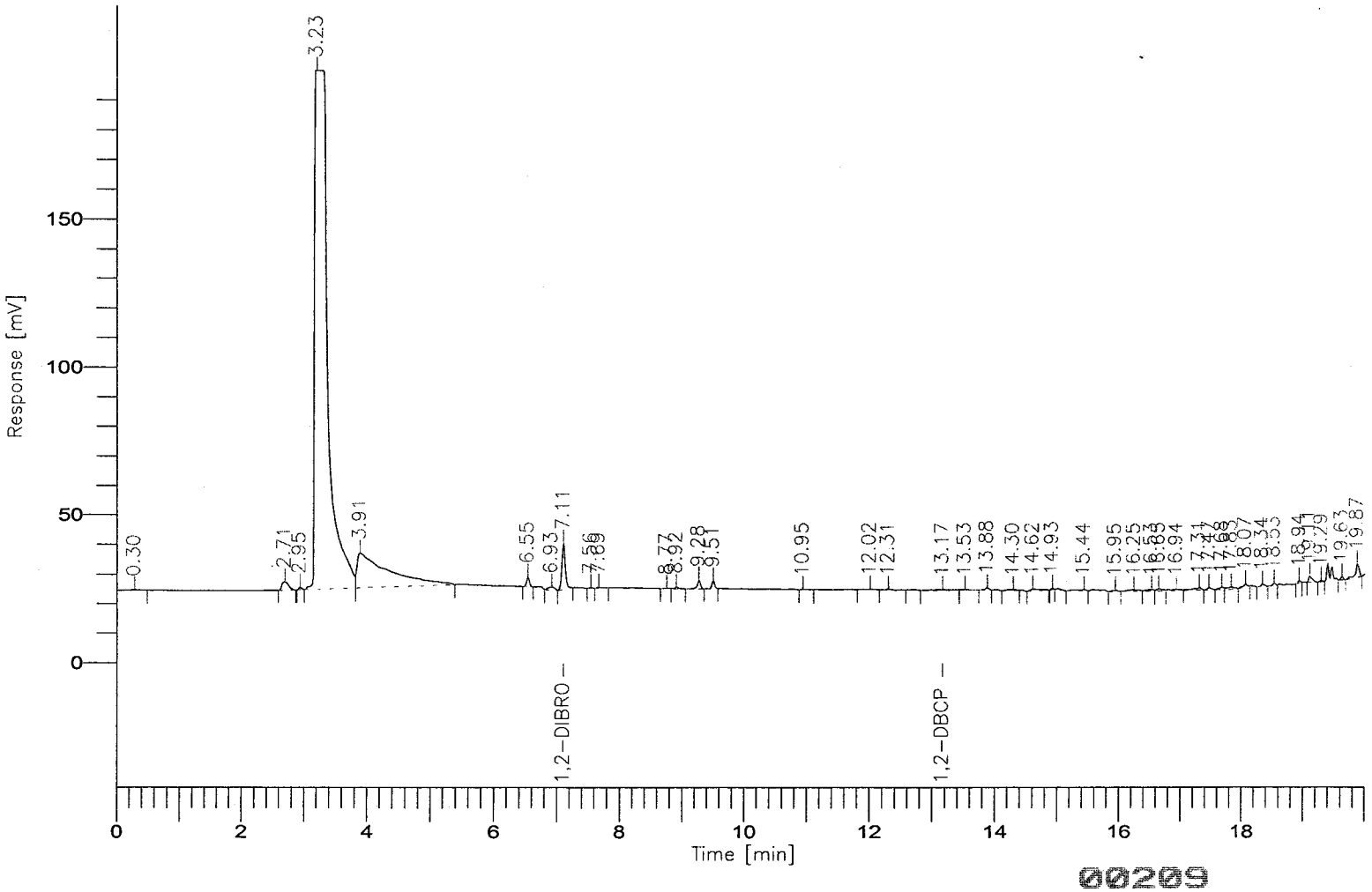
Software Version: 4.1<2F12>
Sample Name : 1207258-02 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 18:11
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL231.RAW
Result File : C:\TC4\158\JULY2012\BJUL231.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL231.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00209

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0061	15506.78	59261.00	35	2	0.34782
13.17	1,2-DBCP (2C)	-0.0001	172.66	5467.79	35	2	-0.00322
			15679.44	64728.79			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL231.TX0

00210

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106101

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207258-03 File ID: AJUL233-0

Sampled: 07/18/12 12:10 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 19:08

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

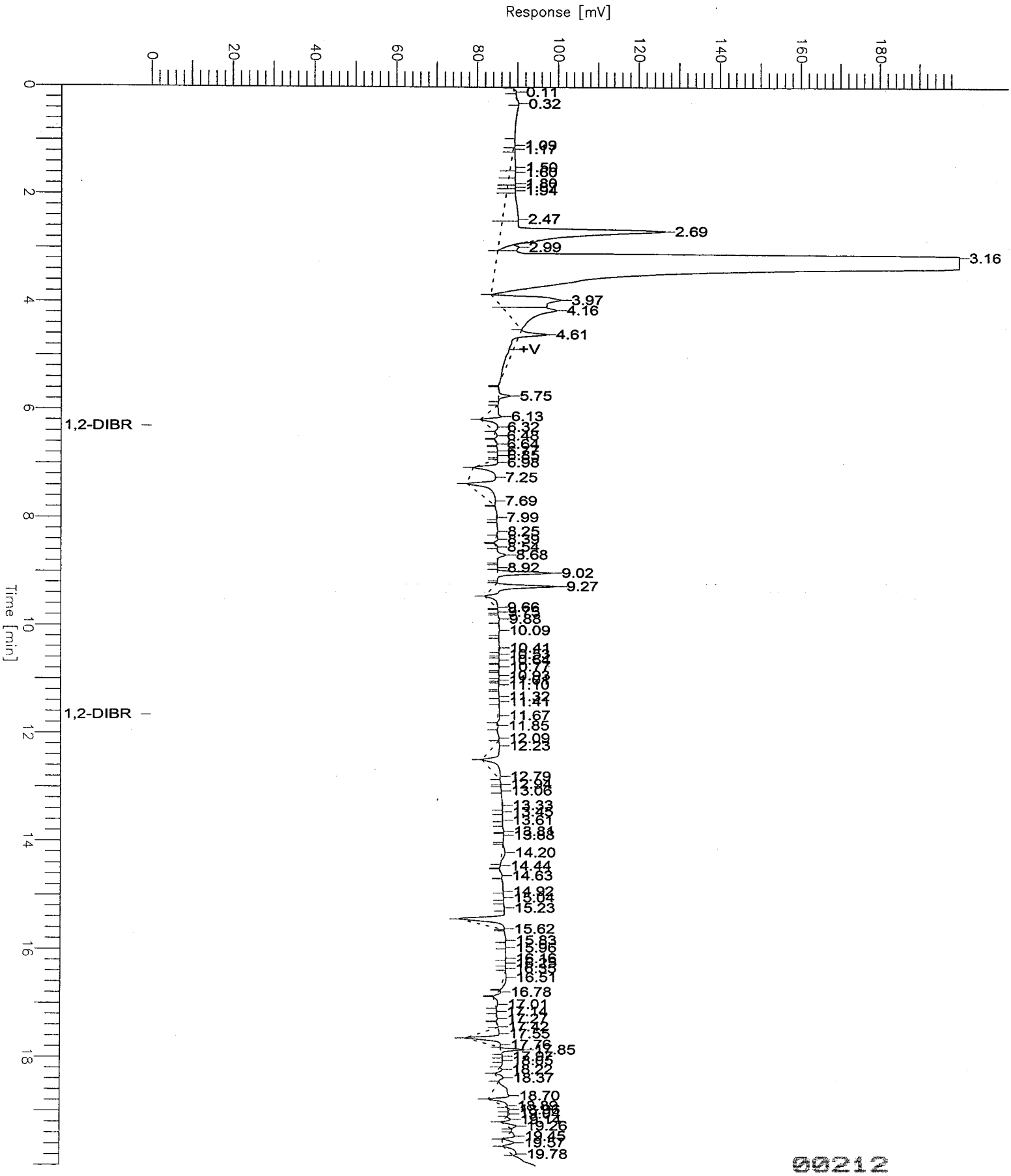
* Values outside of QC limits

00211

Chromatogram

Sample Name : 1207258-03
FileName : C:\TC4\158\JULY2012\AJUL233.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 19:08
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



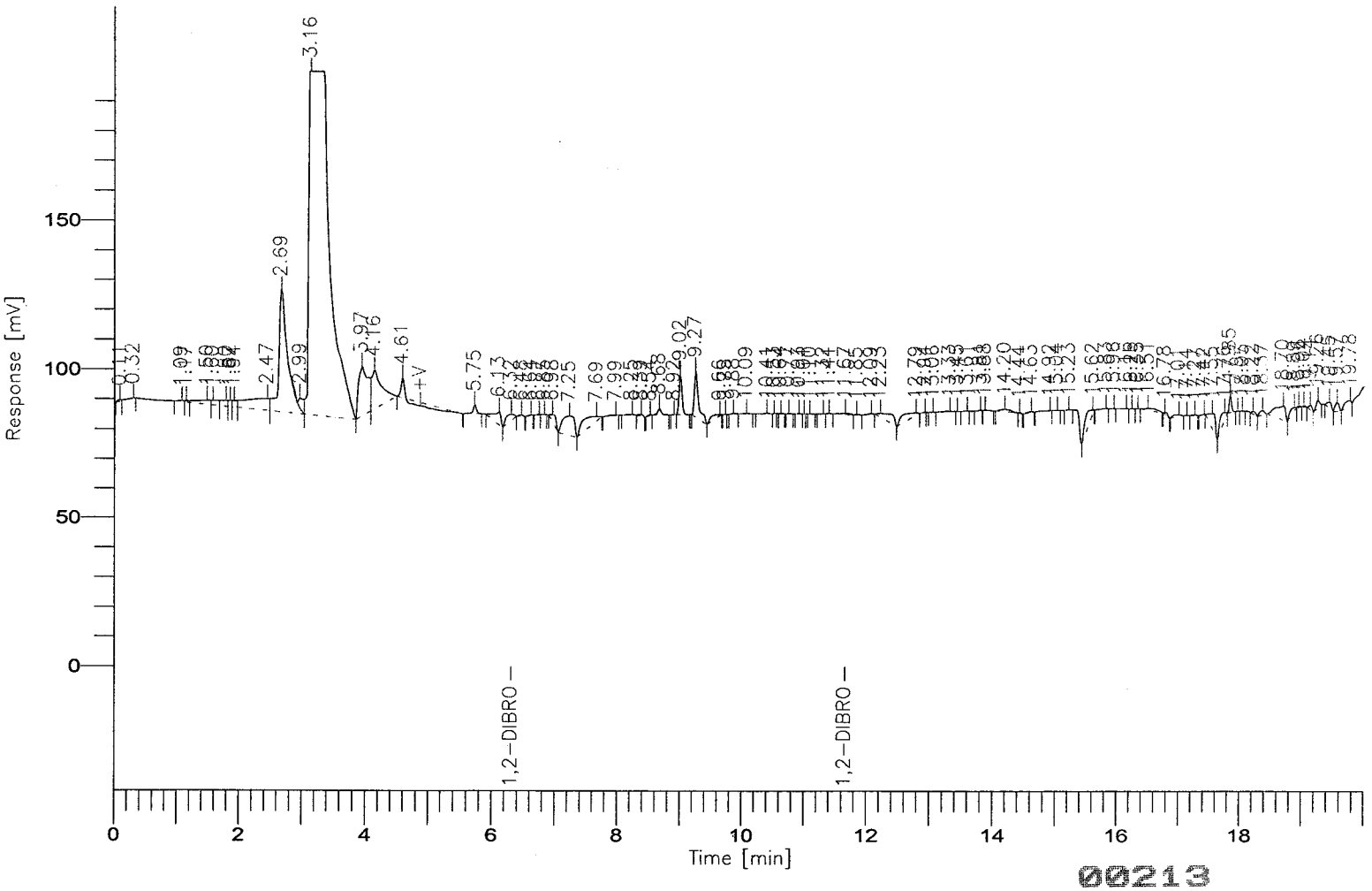
Software Version: 4.1<2F12>
Sample Name : 1207258-03 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 19:08
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL233.RAW
Result File : C:\TC4\158\JULY2012\AJUL233.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL233.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00213

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0002	1993.42	23255.00	35	2	-0.00934	<MDL
11.67	1,2-DIBROMO3CHLOROPR	-0.0002	389.80	4823.00	35	2	-0.00893	
			2383.22	28078.00				

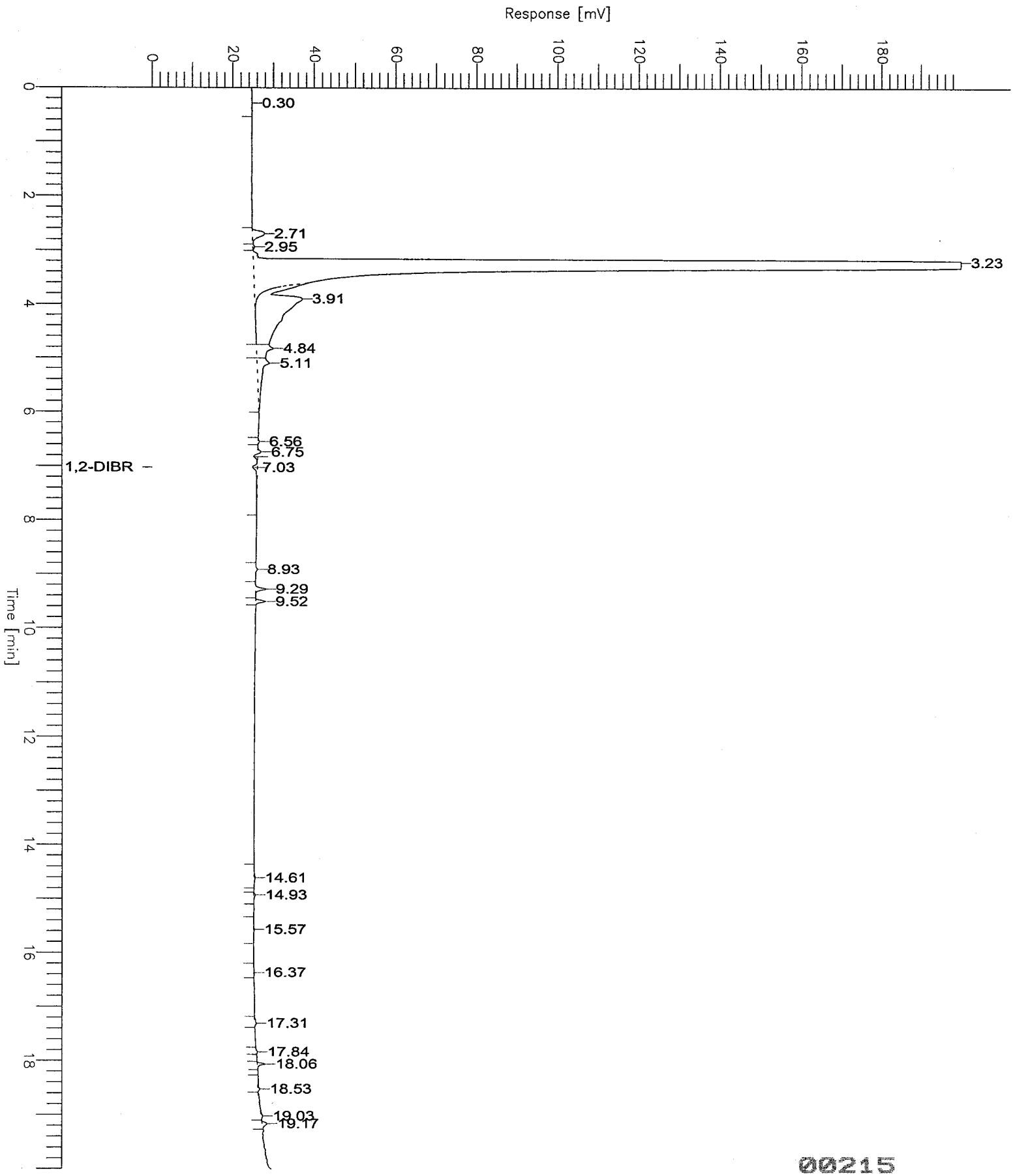
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL233.TX0

7/26/12

Chromatogram

Sample Name : 1207258-03
FileName : C:\TC4\158\JULY2012\BJUL233.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 19:08
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



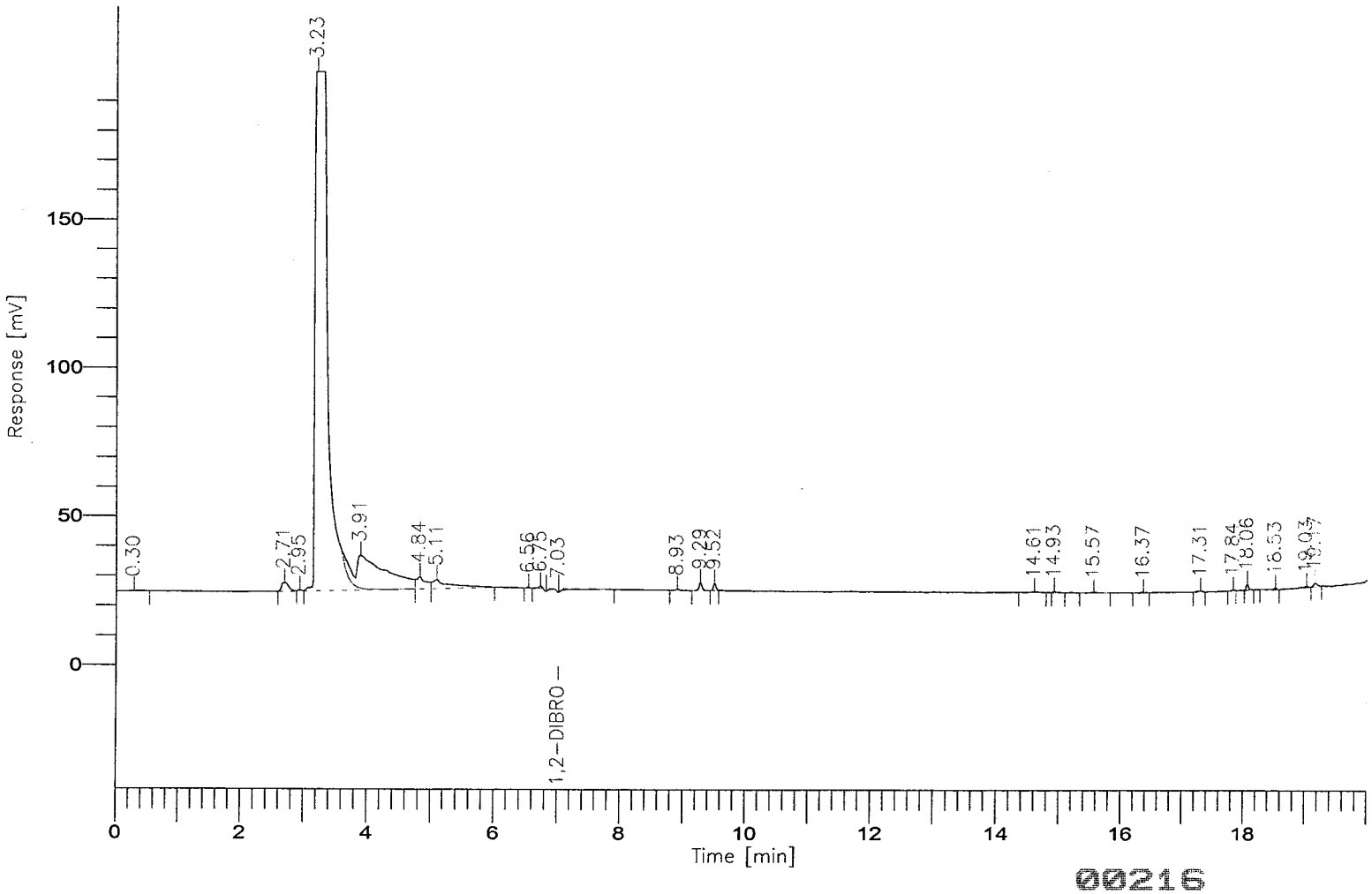
Software Version: 4.1<2F12>
Sample Name : 1207258-03 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 19:08
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL233.RAW
Result File : C:\TC4\158\JULY2012\BJUL233.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL233.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00216

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	-0.0010	-1228.92	5794.84	35	2	-0.05435	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			-1228.92	5794.84				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL233.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106098

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207292-01 File ID: AJUL234-0

Sampled: 07/19/12 10:54 Prepared: 07/24/12 08:00 Analyzed: 07/24/12 19:37

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

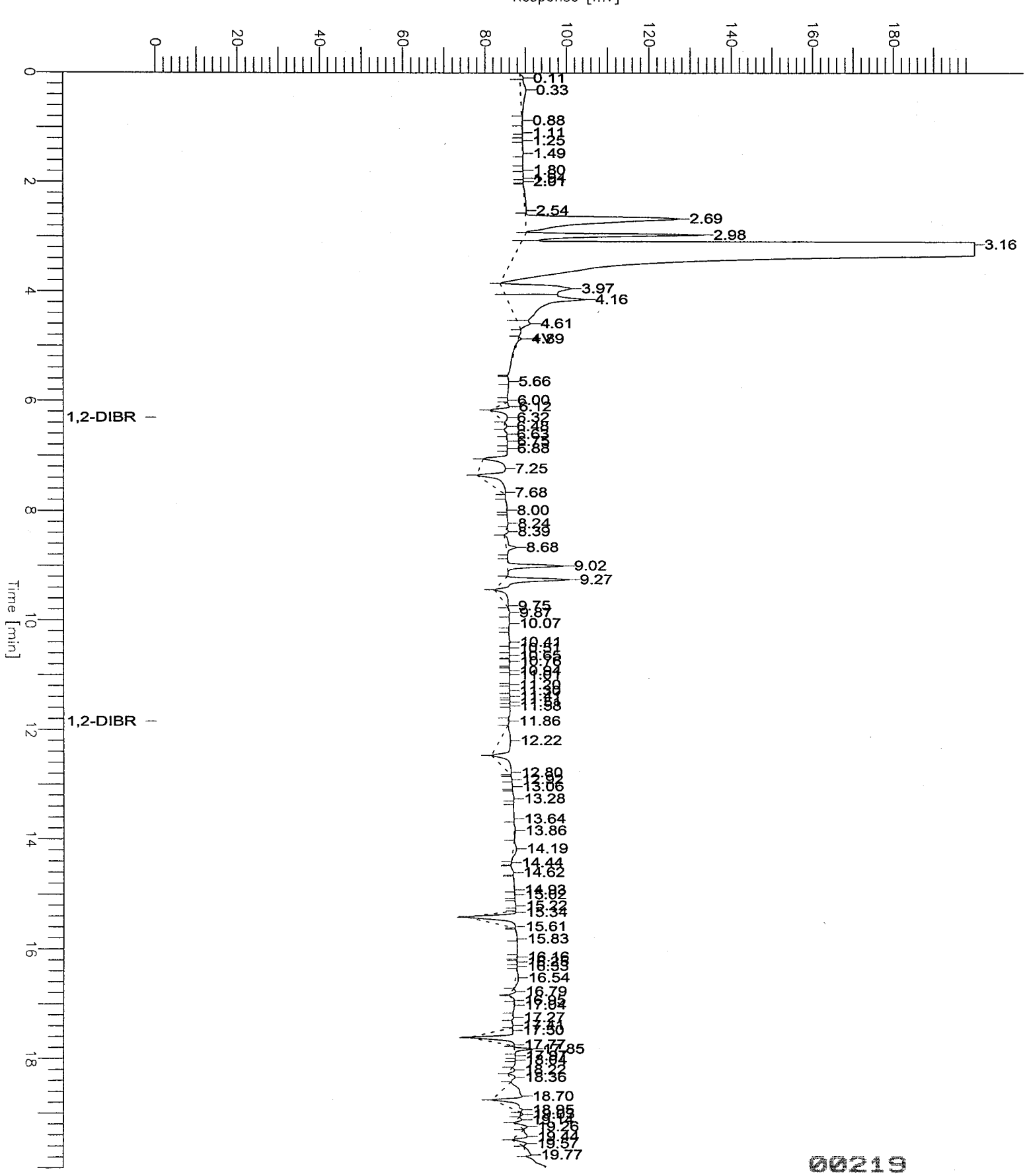
* Values outside of QC limits

00218

Chromatogram

Sample Name : 1207282-01
FileName : C:\TC4\158\JULY2012\AJUL234.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 19:37
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00219

Software Version: 4.1<2F12>
Sample Name : 1207~~282~~-01 BJH
Sample Number: 292 7/25/12
Operator : BJH

Time : 7/25/12 08:42
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

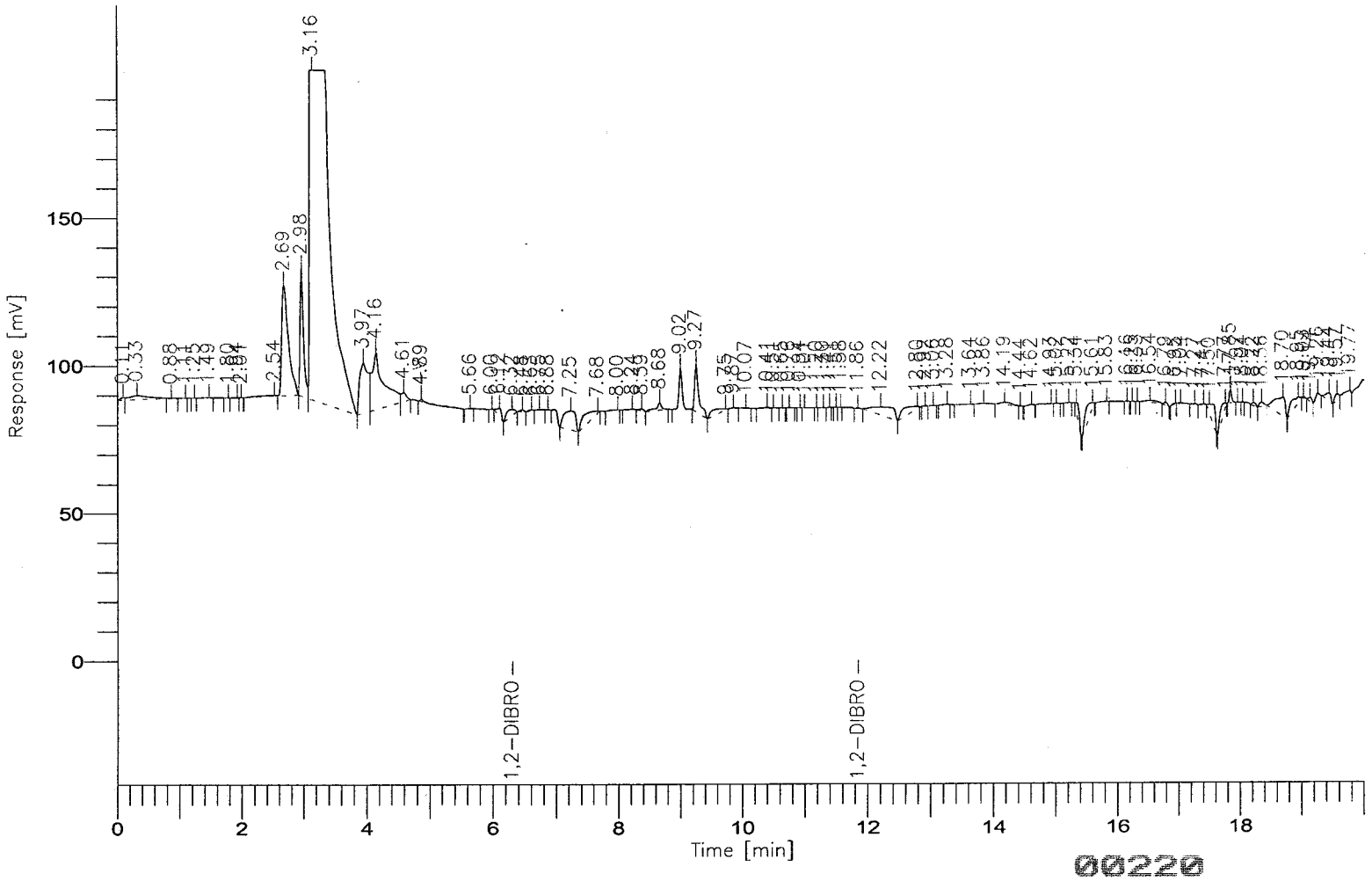
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 19:37
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL234.RAW
Result File : C:\TC4\158\JULY2012\AJUL234.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL234.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00220

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0002	2067.84	23885.50	35	2	-0.00860	<MDL
11.86	1,2-DIBROMO3CHLOROPR	-0.0002	254.83	1056.00	35	2	-0.00979	
			2322.66	24941.50				

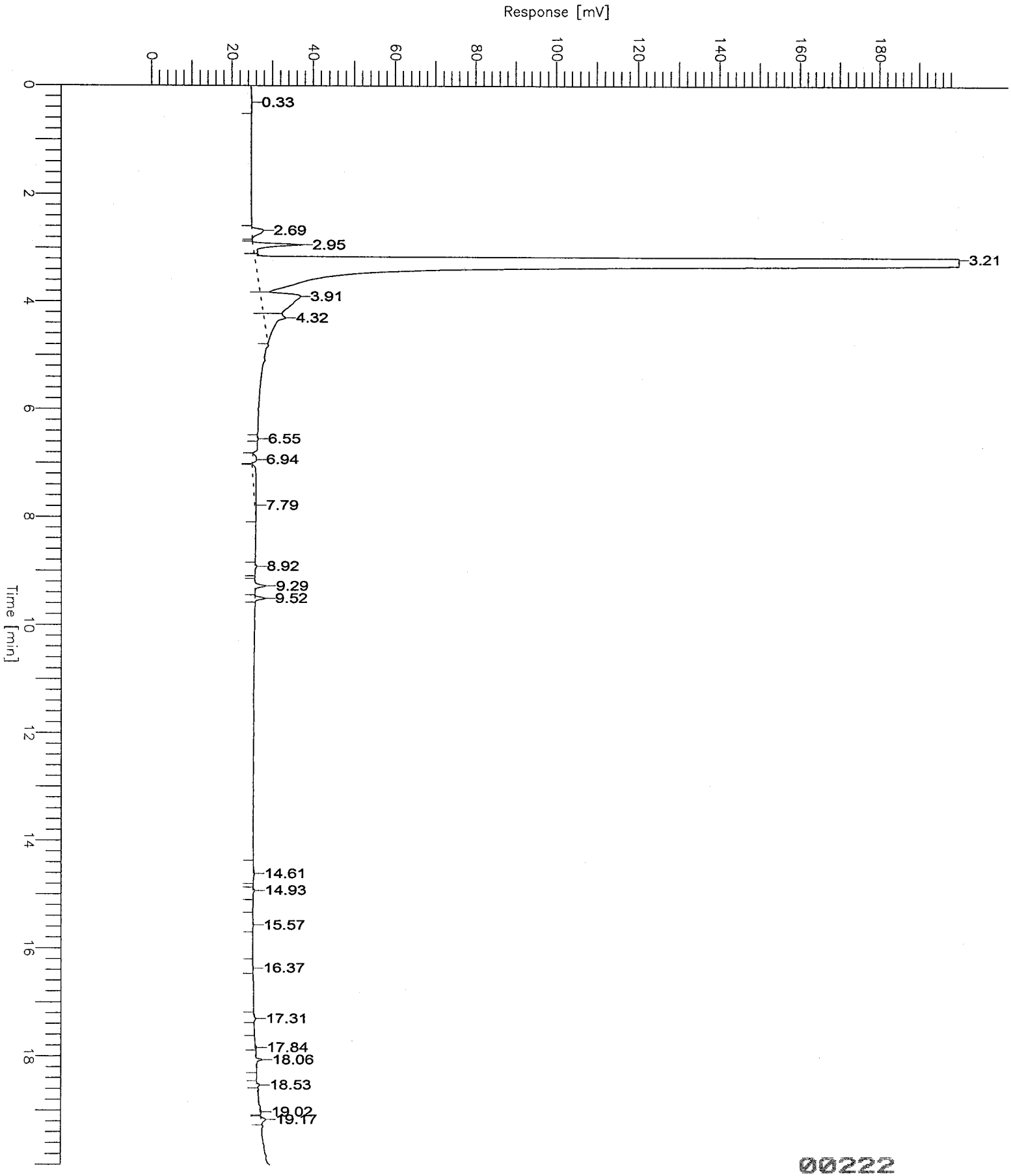
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL234.TX0

7/26/12

Chromatogram

Sample Name : 1207282-01
FileName : C:\TC4\158\JULY2012\BJUL234.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 19:37
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00222

Software Version: 4.1<2F12>
Sample Name : 1207282-01
Sample Number: 282
Operator : BJH

BJH 7/25/12

Time : 7/25/12 08:42
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

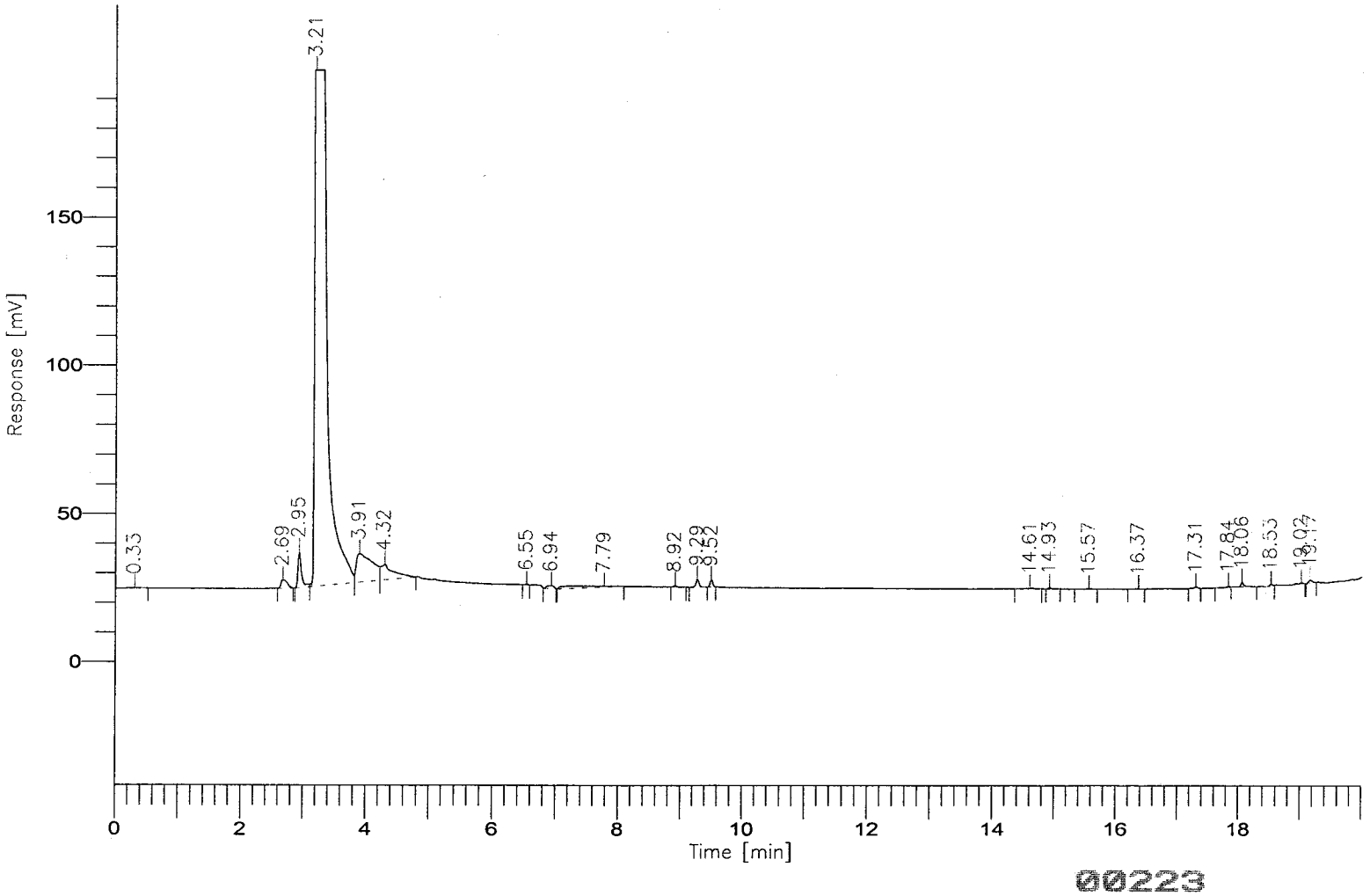
Channel : B A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 19:37
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL234.RAW
Result File : C:\TC4\158\JULY2012\BJUL234.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL234.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00223

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL234.TX0

7/26/12

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106013

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207292-02
File ID: AJUL235-0
Sampled: 07/19/12 11:37
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 20:05
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

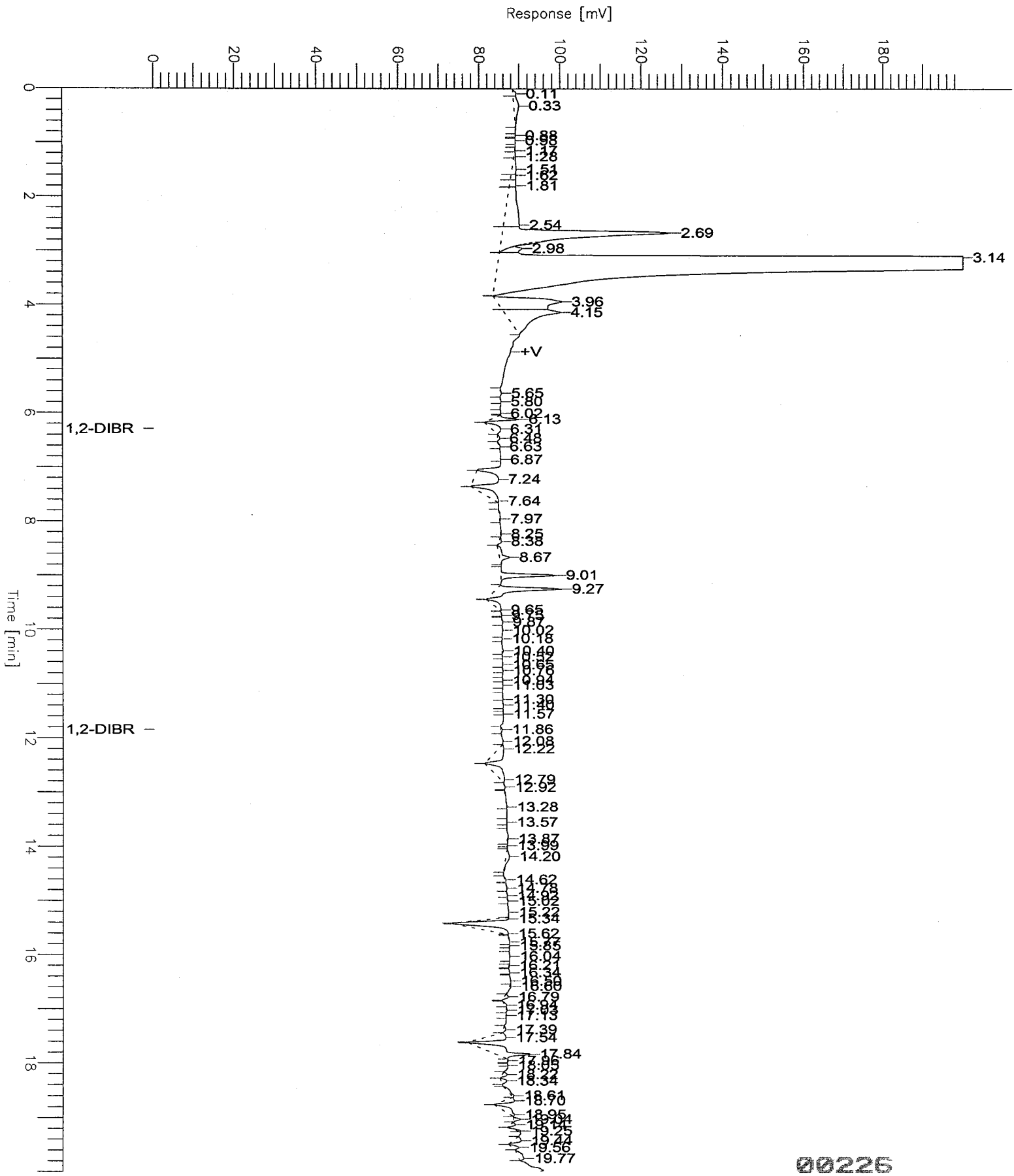
* Values outside of QC limits

00225

Chromatogram

Sample Name : 1207292-02
FileName : C:\TC4\158\JULY2012\AJUL235.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 20:05
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00226

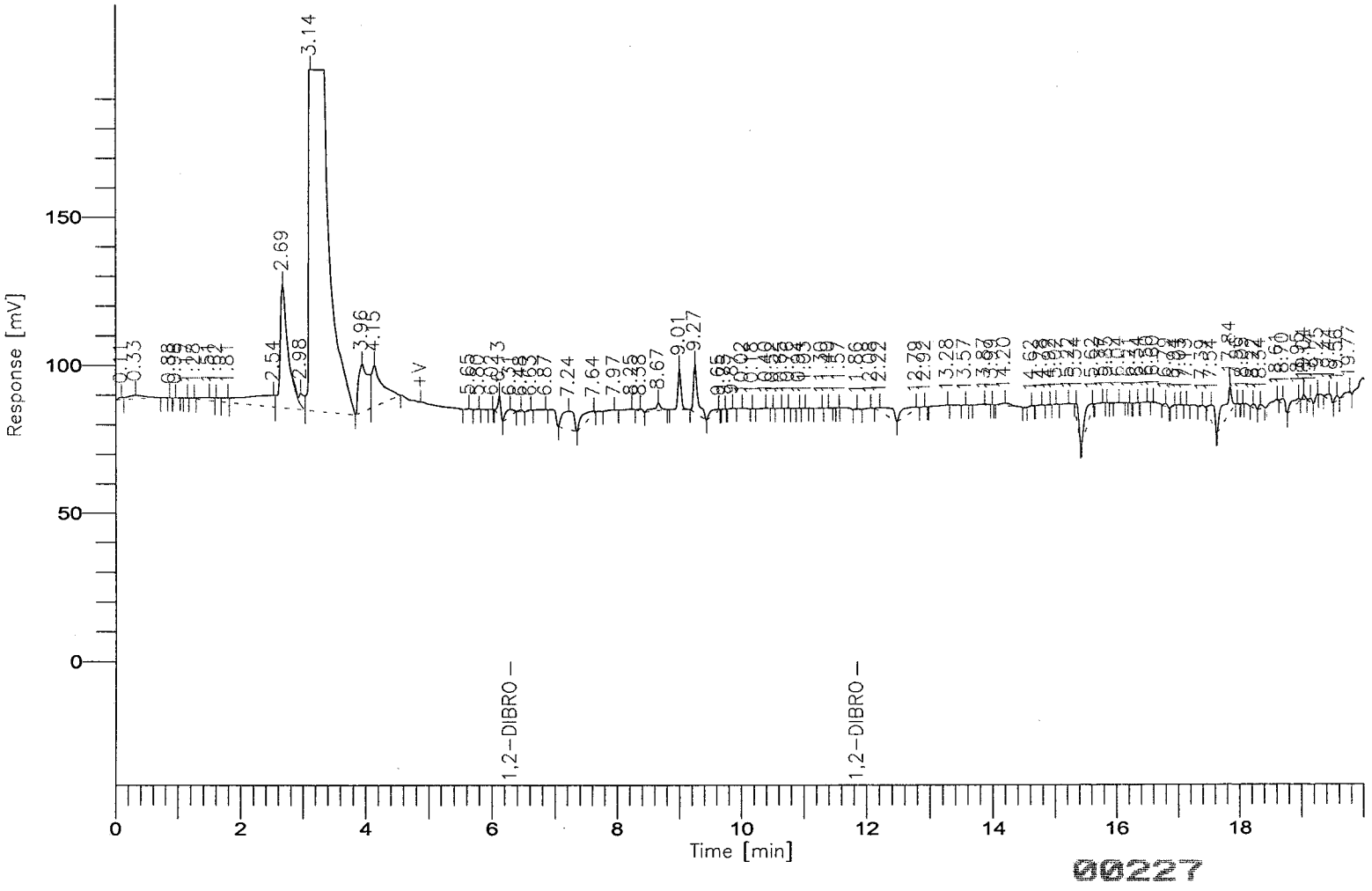
Software Version: 4.1<2F12>
Sample Name : 1207292-02 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 20:05
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL235.RAW
Result File : C:\TC4\158\JULY2012\AJUL235.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL235.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00227

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.31	1,2-DIBROMOETHANE	-0.0001	2153.81	22817.00	35	2	-0.00776	<MDL
11.86	1,2-DIBROMO3CHLOROPR	-0.0002	318.27	1517.00	35	2	-0.00939	
			2472.08	24334.00				

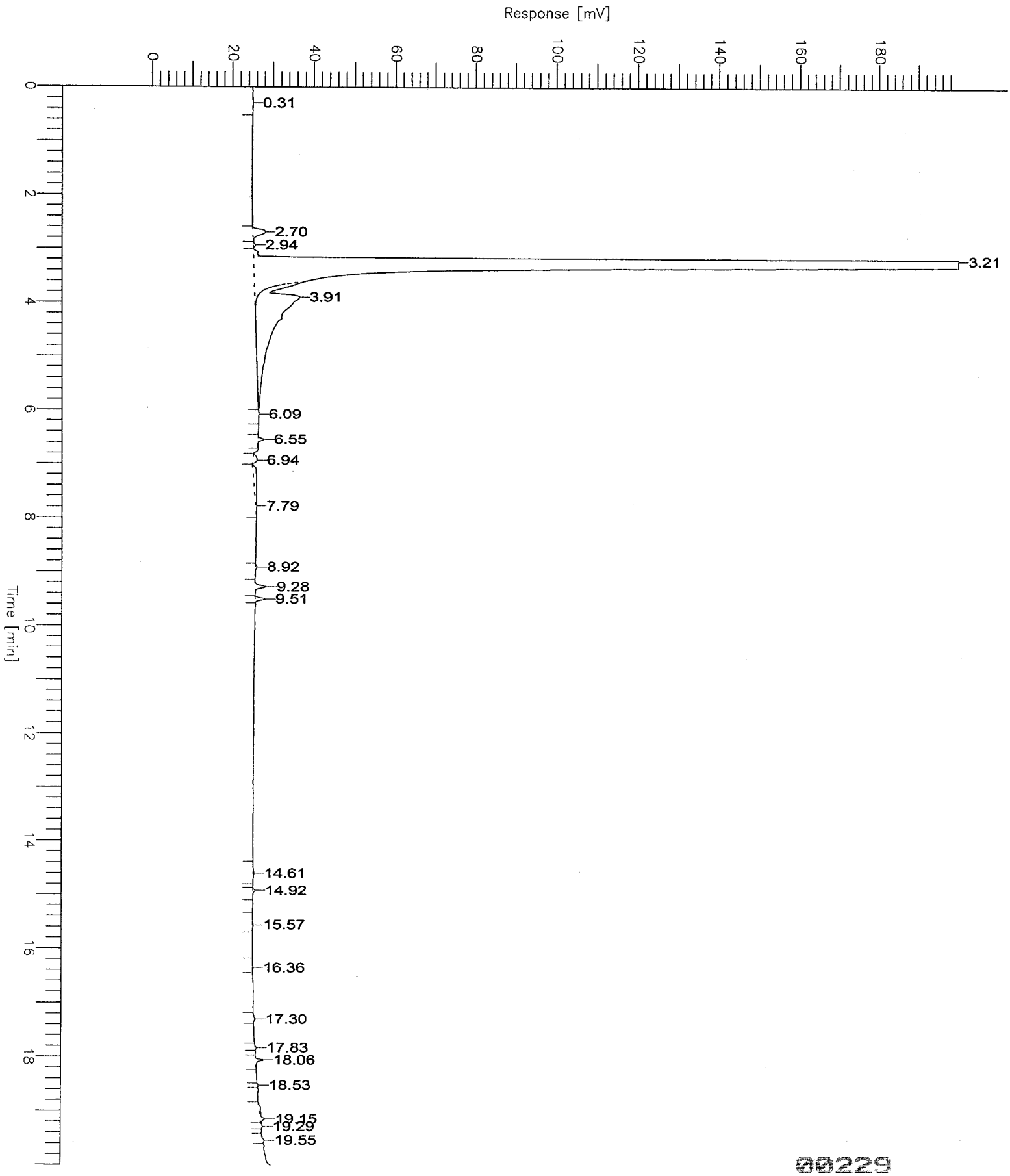
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL235.TX0

7/26/12

Chromatogram

Sample Name : 1207292-02
FileName : C:\TC4\158\JULY2012\BJUL235.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 20:05
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00229

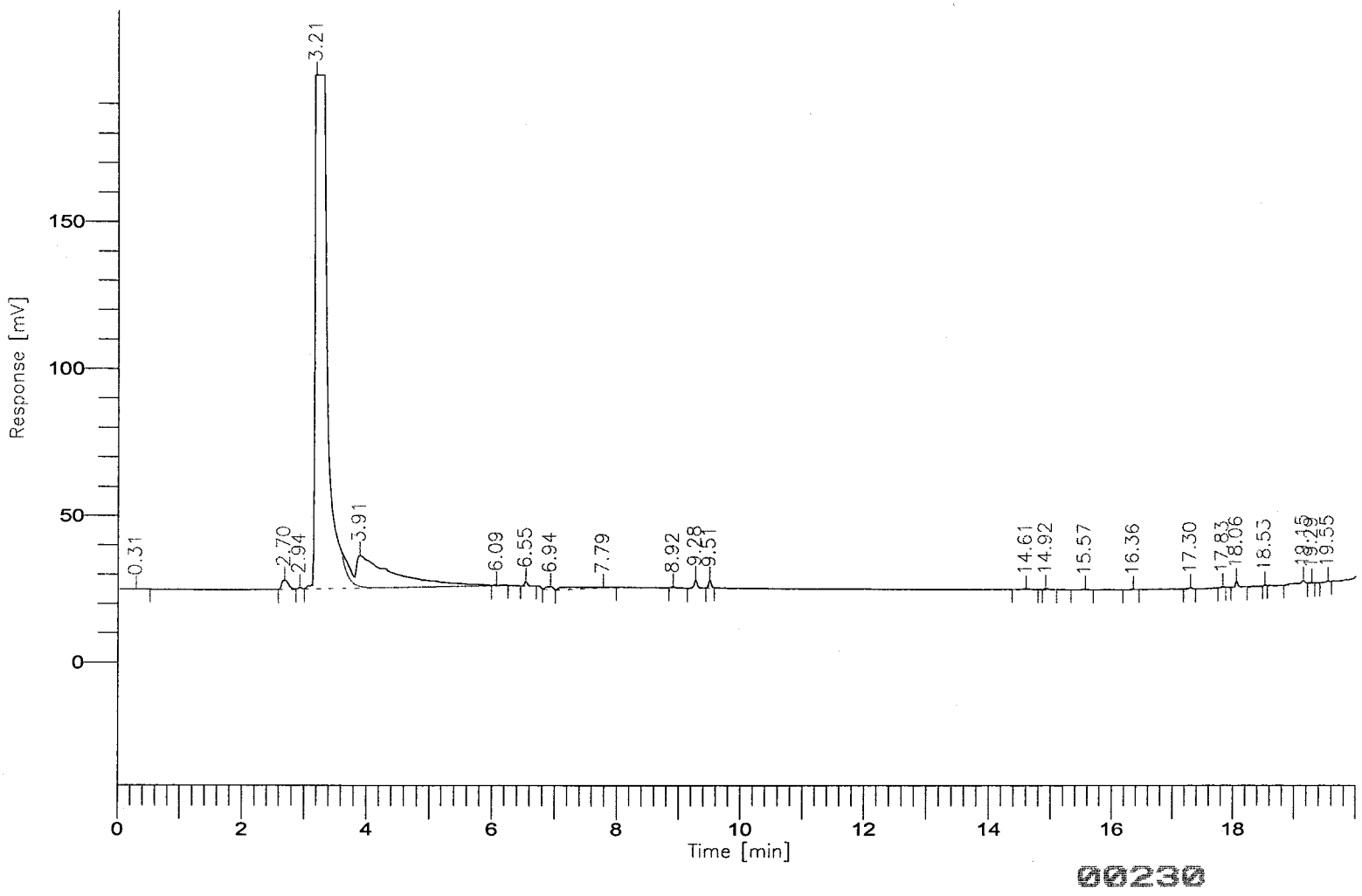
Software Version: 4.1<2F12>
Sample Name : 1207292-02 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 20:05
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL235.RAW
Result File : C:\TC4\158\JULY2012\BJUL235.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL235.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00230

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL235.TX0

7/26/12

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106026

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207292-03
File ID: AJUL236-0
Sampled: 07/19/12 16:00
Prepared: 07/24/12 08:00
Analyzed: 07/24/12 20:34
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208913
Sequence: 2G25008
Calibration: 2G17004
Instrument: 158

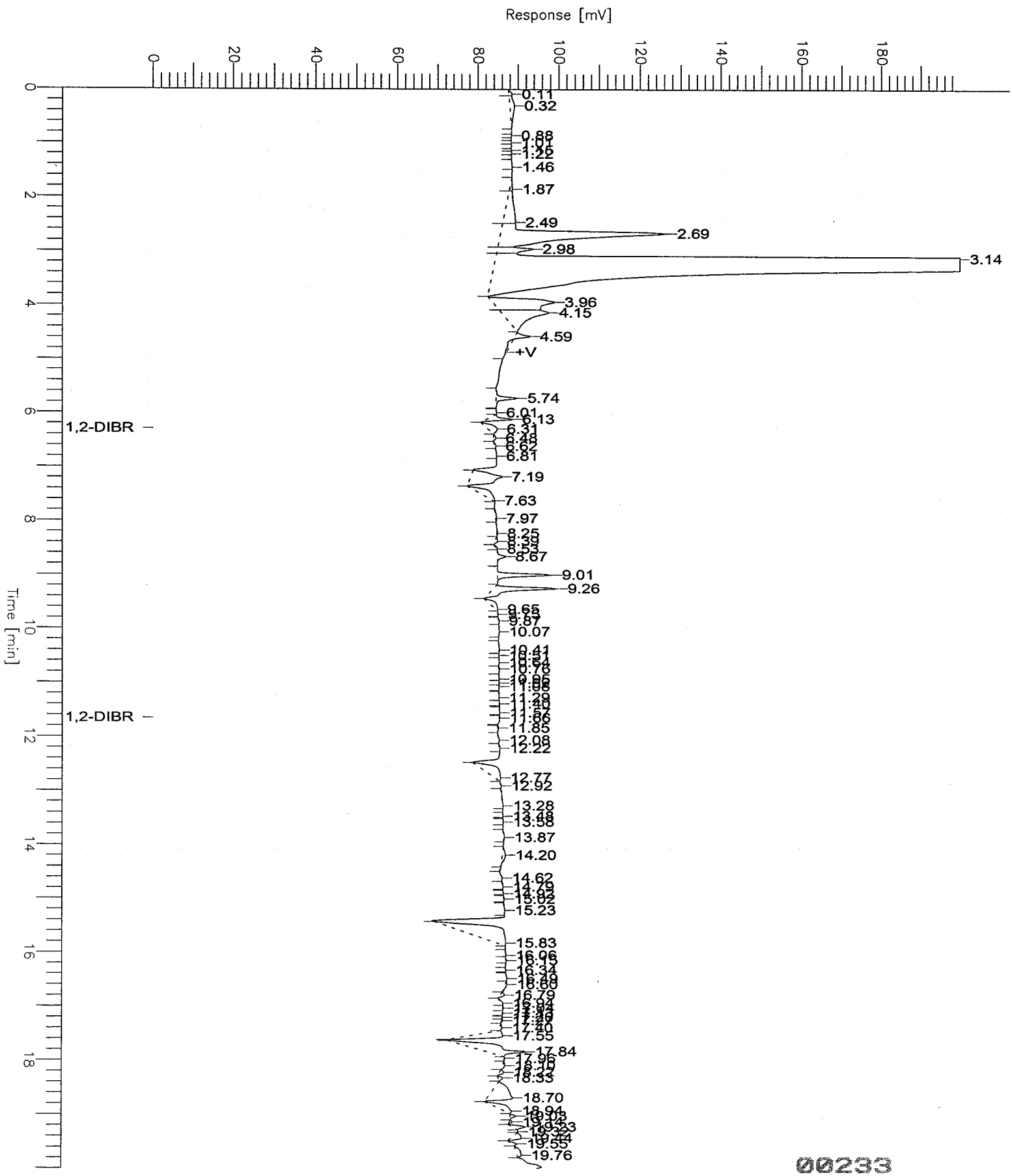
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207292-03
FileName : C:\TC4\158\JULY2012\AJUL236.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 20:34
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00233

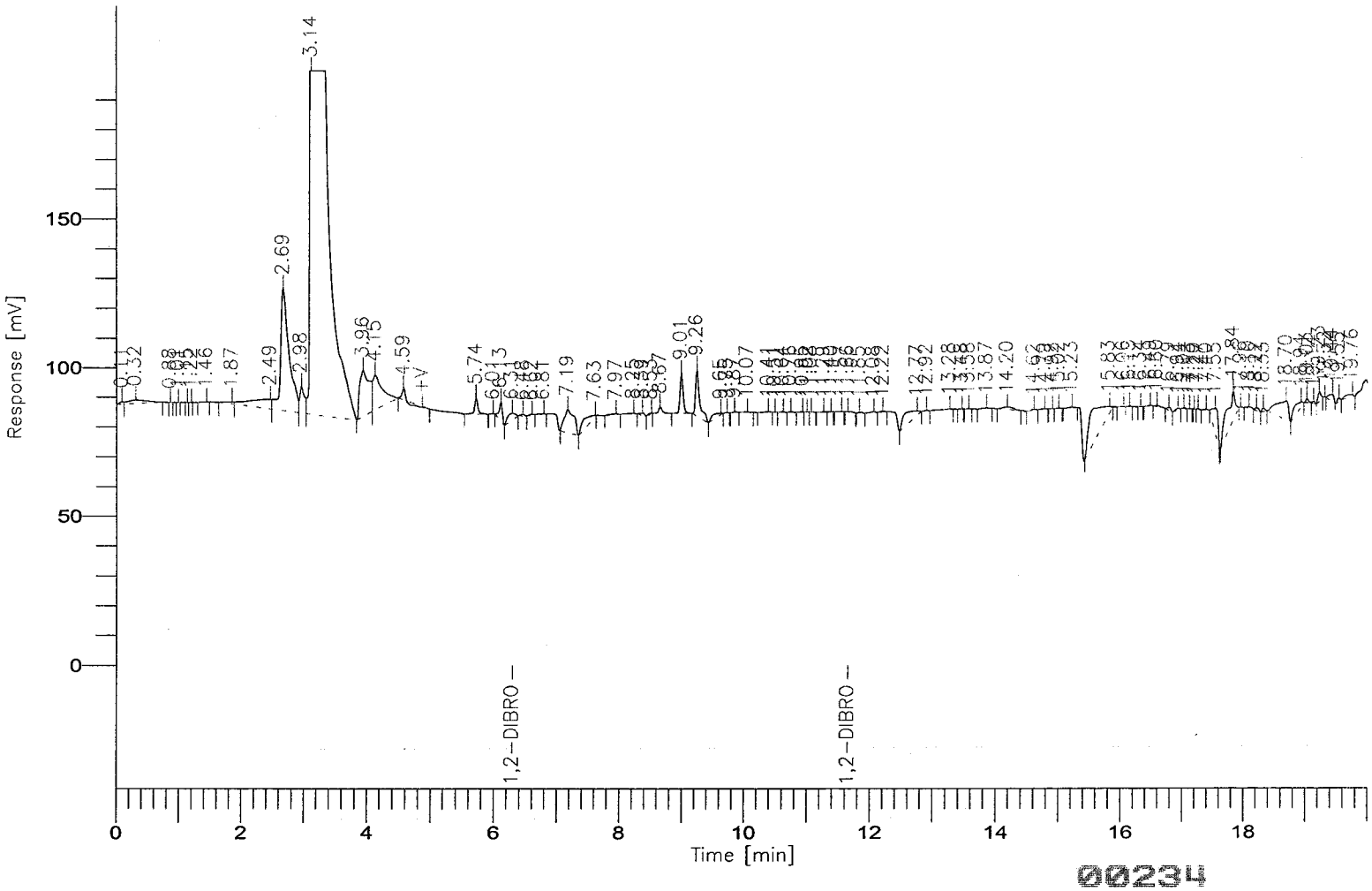
Software Version: 4.1<2F12>
Sample Name : 1207292-03 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 20:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL236.RAW
Result File : C:\TC4\158\JULY2012\AJUL236.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL236.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00234

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.31	1,2-DIBROMOETHANE	-0.0001	2298.76	22875.00	35	2	-0.00633	<MDL
11.66	1,2-DIBROMO3CHLOROPR	-0.0002	190.35	1438.00	35	2	-0.01020	
			2489.11	24313.00				

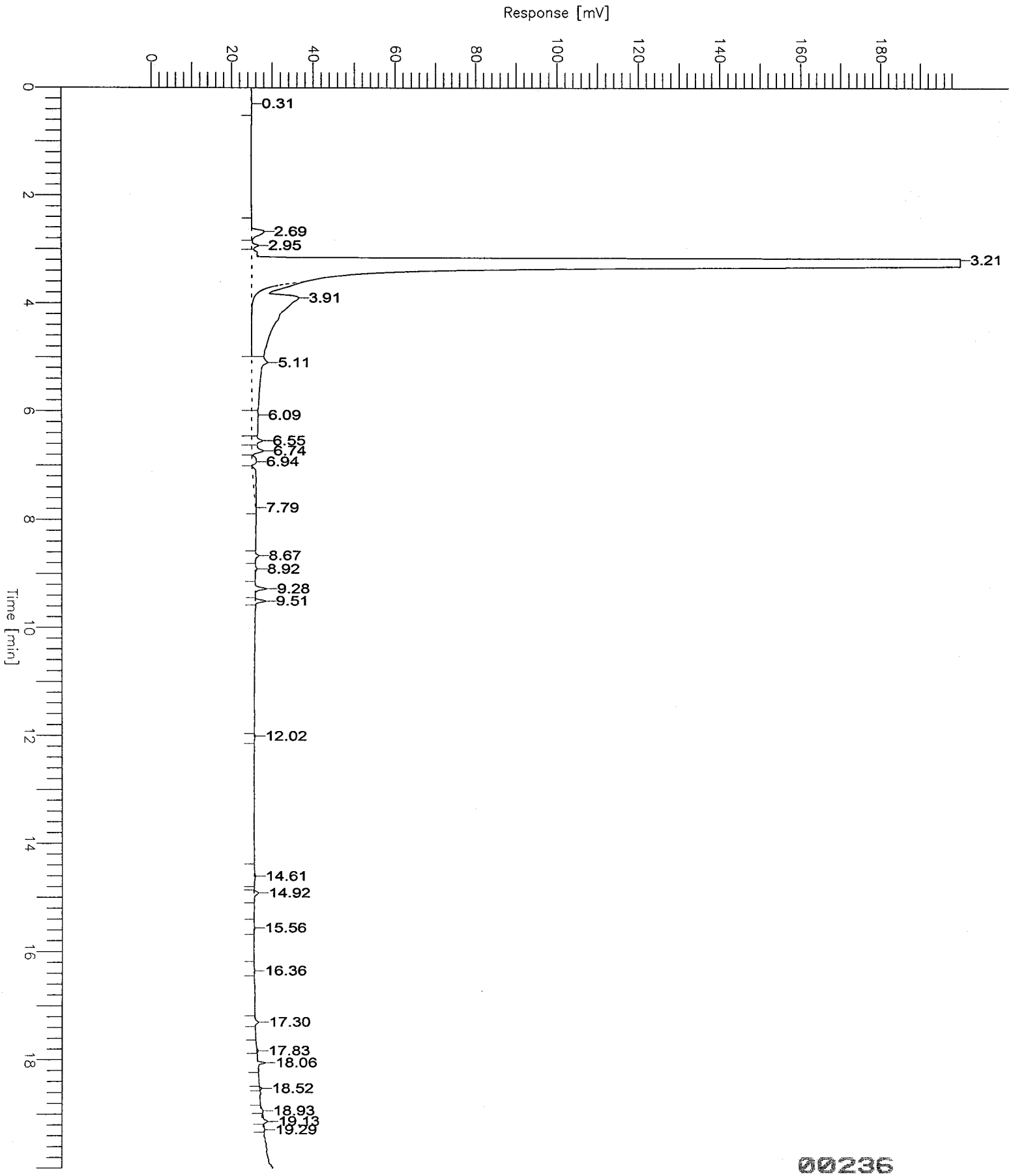
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL236.TX0

7/26/12

Chromatogram

Sample Name : 1207292-03
FileName : C:\TC4\158\JULY2012\BJUL236.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 20:34
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00236

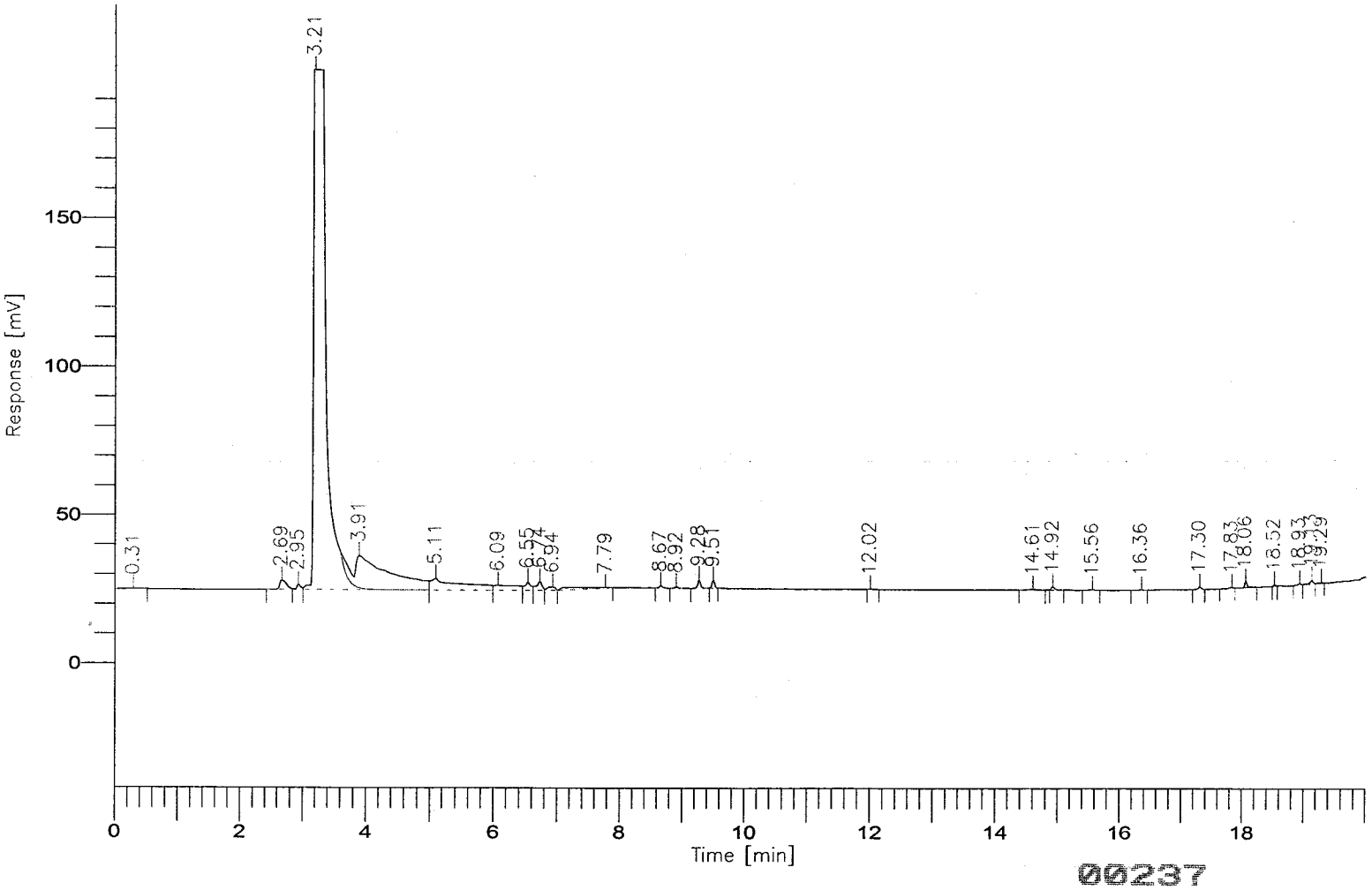
Software Version: 4.1<2F12>
Sample Name : 1207292-03 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 20:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL236.RAW
Result File : C:\TC4\158\JULY2012\BJUL236.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL236.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00237

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL236.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106038

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207368-01
File ID: AAUG047-0
Sampled: 07/24/12 12:38
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 16:52
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

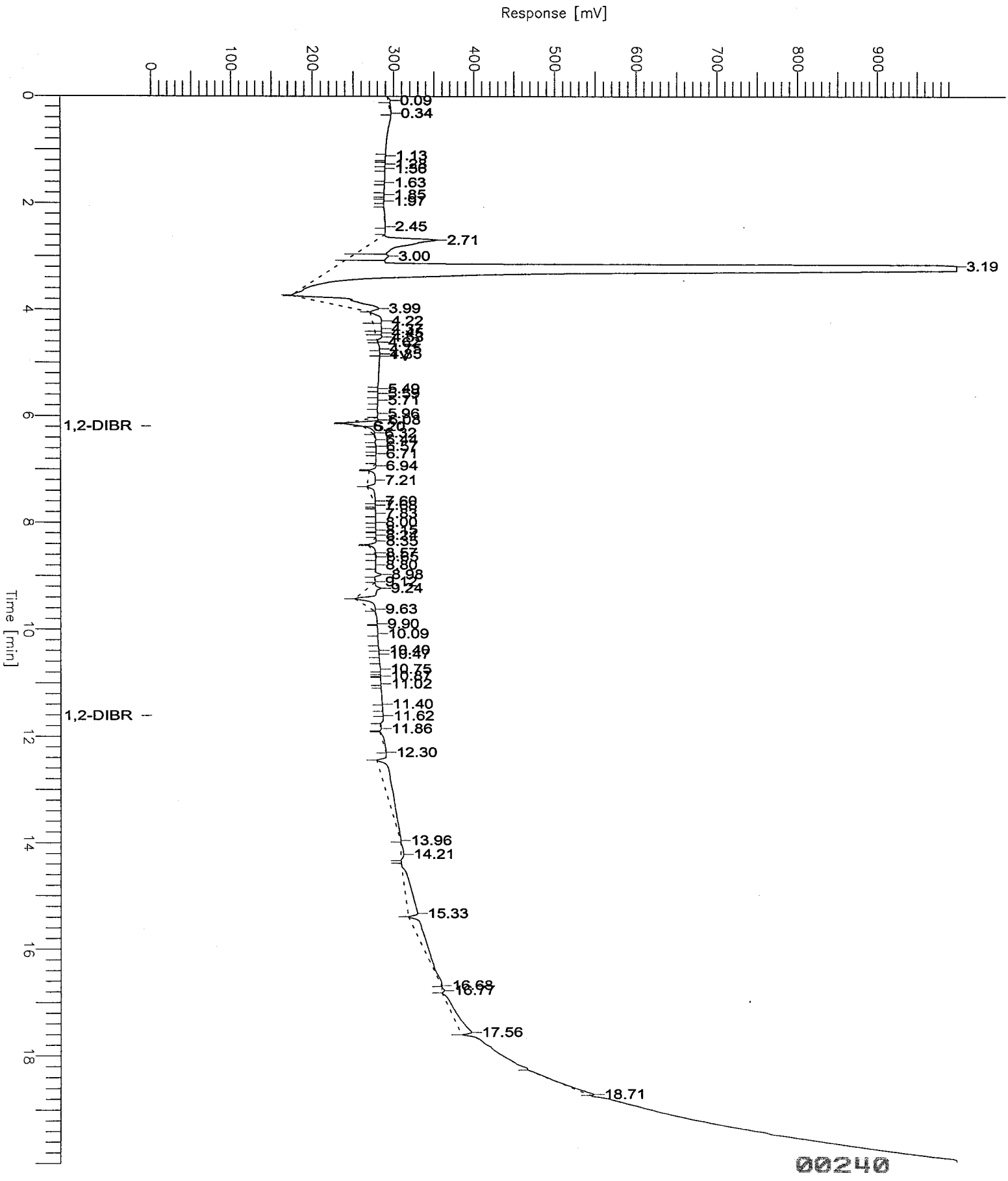
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207368-01
FileName : C:\TC4\158\AUG2012\Aaug047.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 16:52
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00240

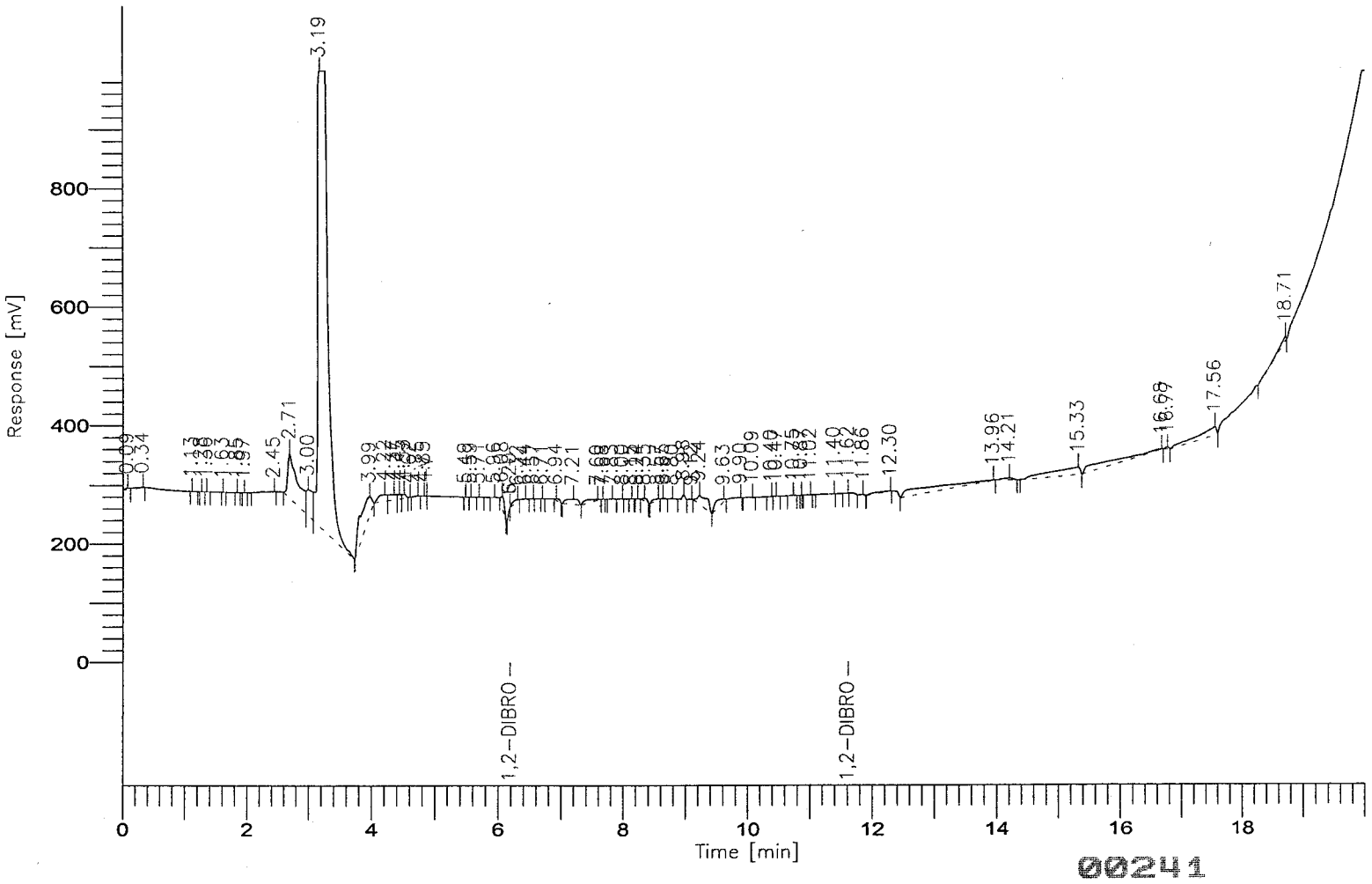
Software Version: 4.1<2F12>
Sample Name : 1207368-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 16:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG047.RAW
Result File : C:\TC4\158\AUG2012\AAUG047.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG047.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

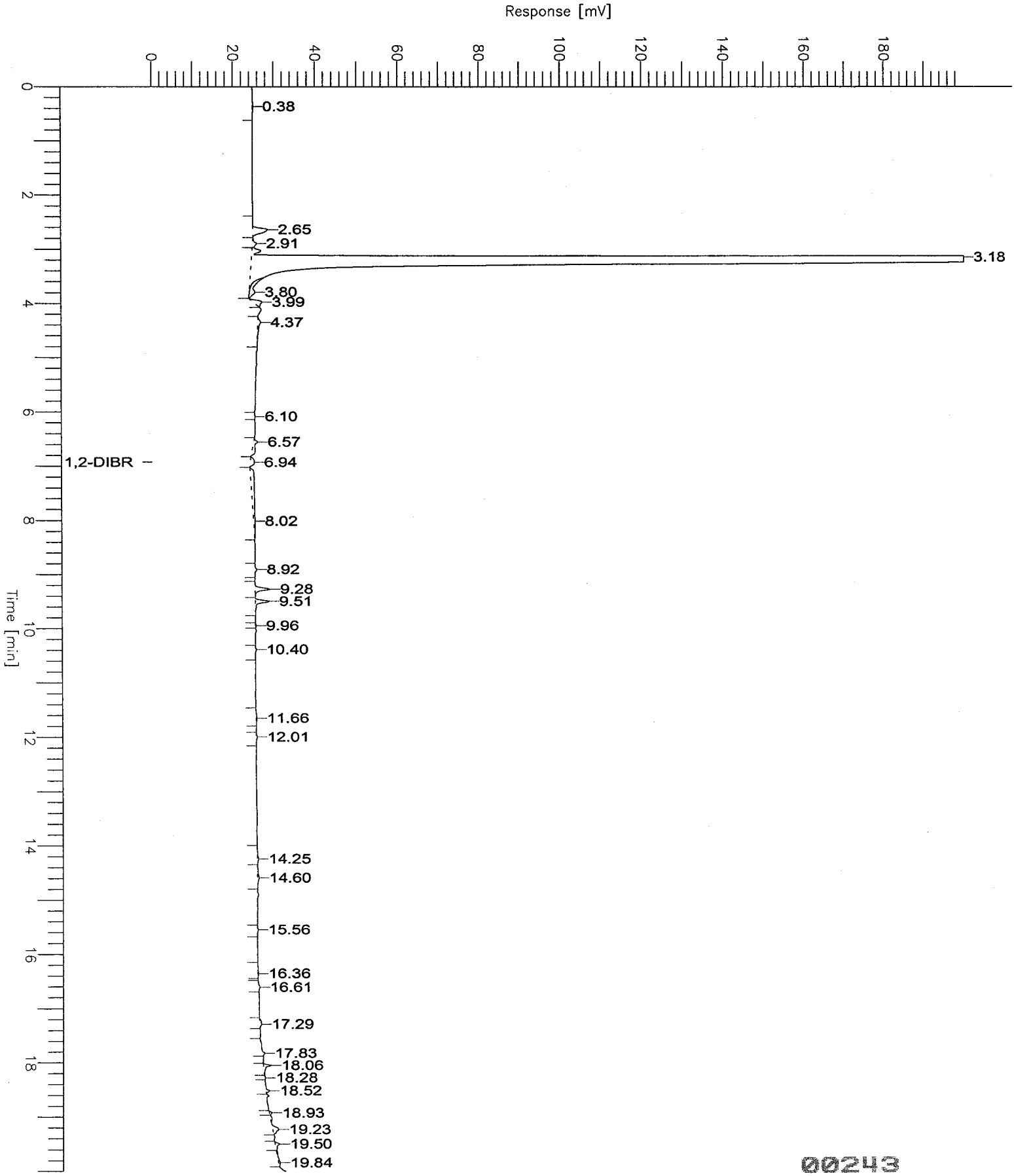
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	-1.13e-10	12932.50	35	2	-0.01844	MDL
11.62	1,2-DIBROMO3CHLOROPR	0.0000	161.58	837.00	35	2	0.00059	
			161.58	13769.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG047.TX0

Chromatogram

Sample Name : 1207368-01
FileName : C:\TC4\158\AUG2012\Baug047.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 16:52
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00243

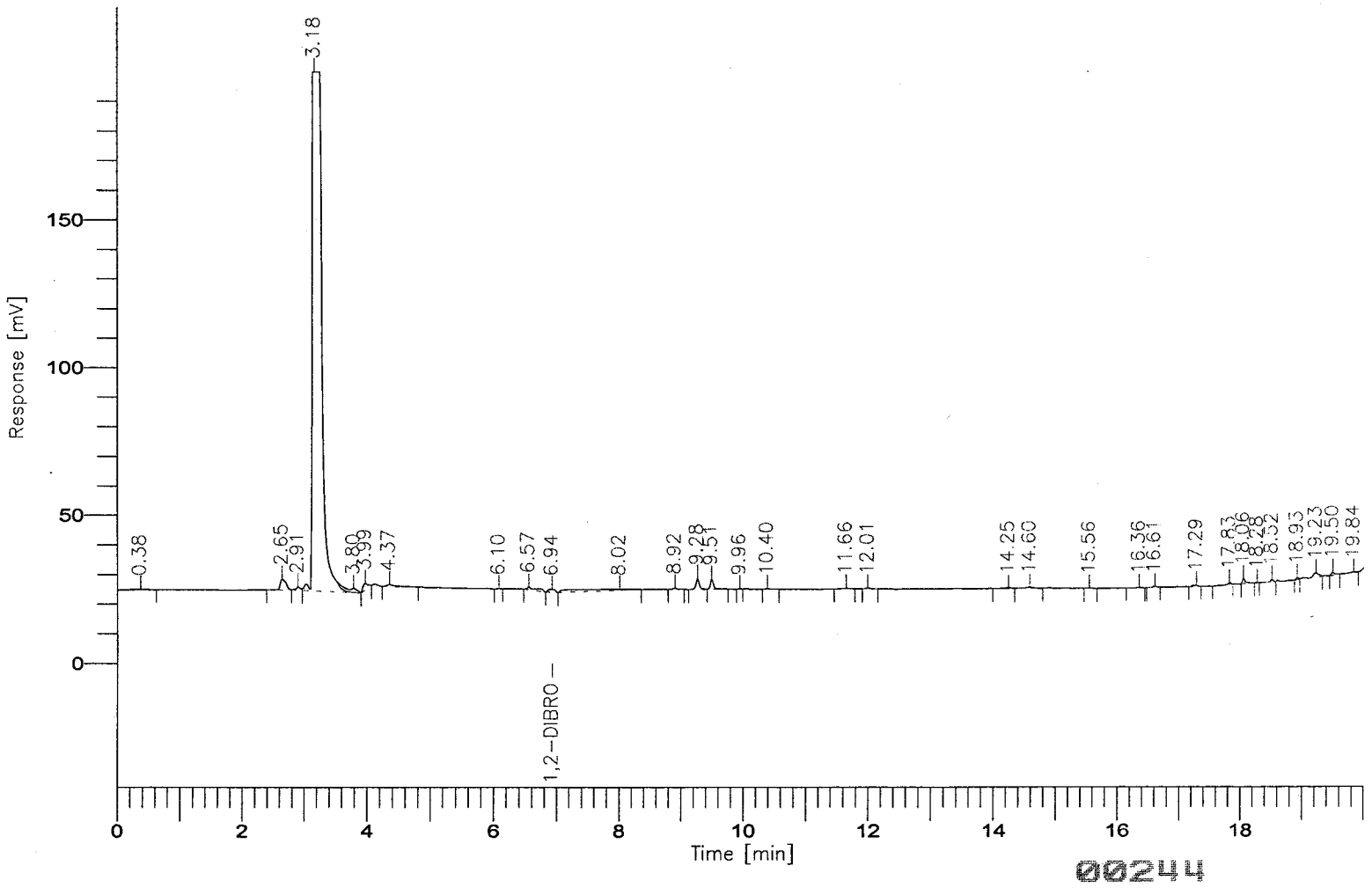
Software Version: 4.1<2F12>
Sample Name : 1207368-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 16:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG047.RAW
Result File : C:\TC4\158\AUG2012\BAUG047.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG047.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00244

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.94	1,2-DIBROMOETHANE (2	-0.0001	1019.76	7887.00	35	2	-0.00461	<MDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			1019.76	7887.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG047.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106040

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207368-02
File ID: AAUG048-0
Sampled: 07/24/12 10:22
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 17:21
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

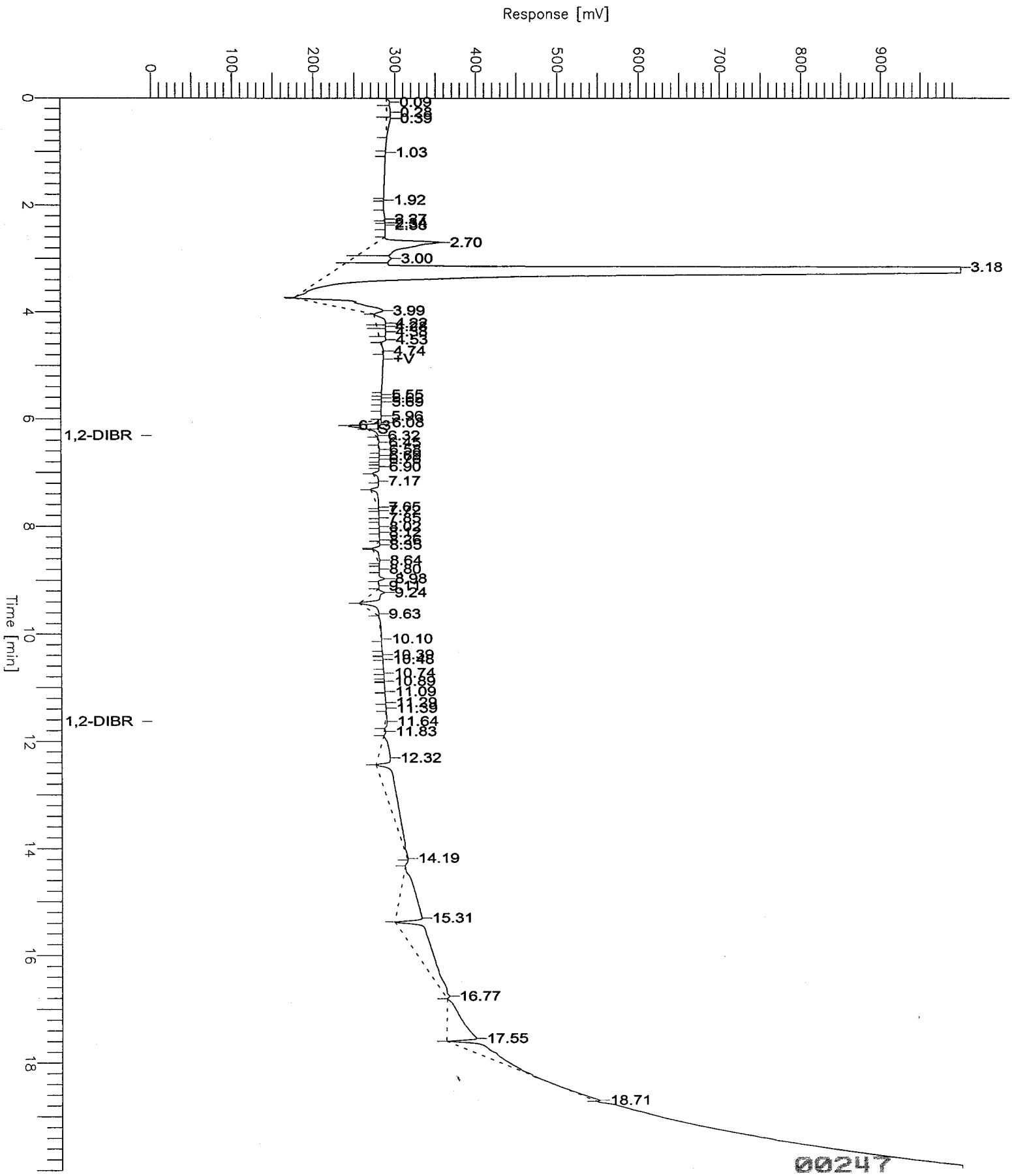
* Values outside of QC limits

00246

Chromatogram

Sample Name : 1207368-02
FileName : C:\TC4\158\AUG2012\Aaug048.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 17:21
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00247

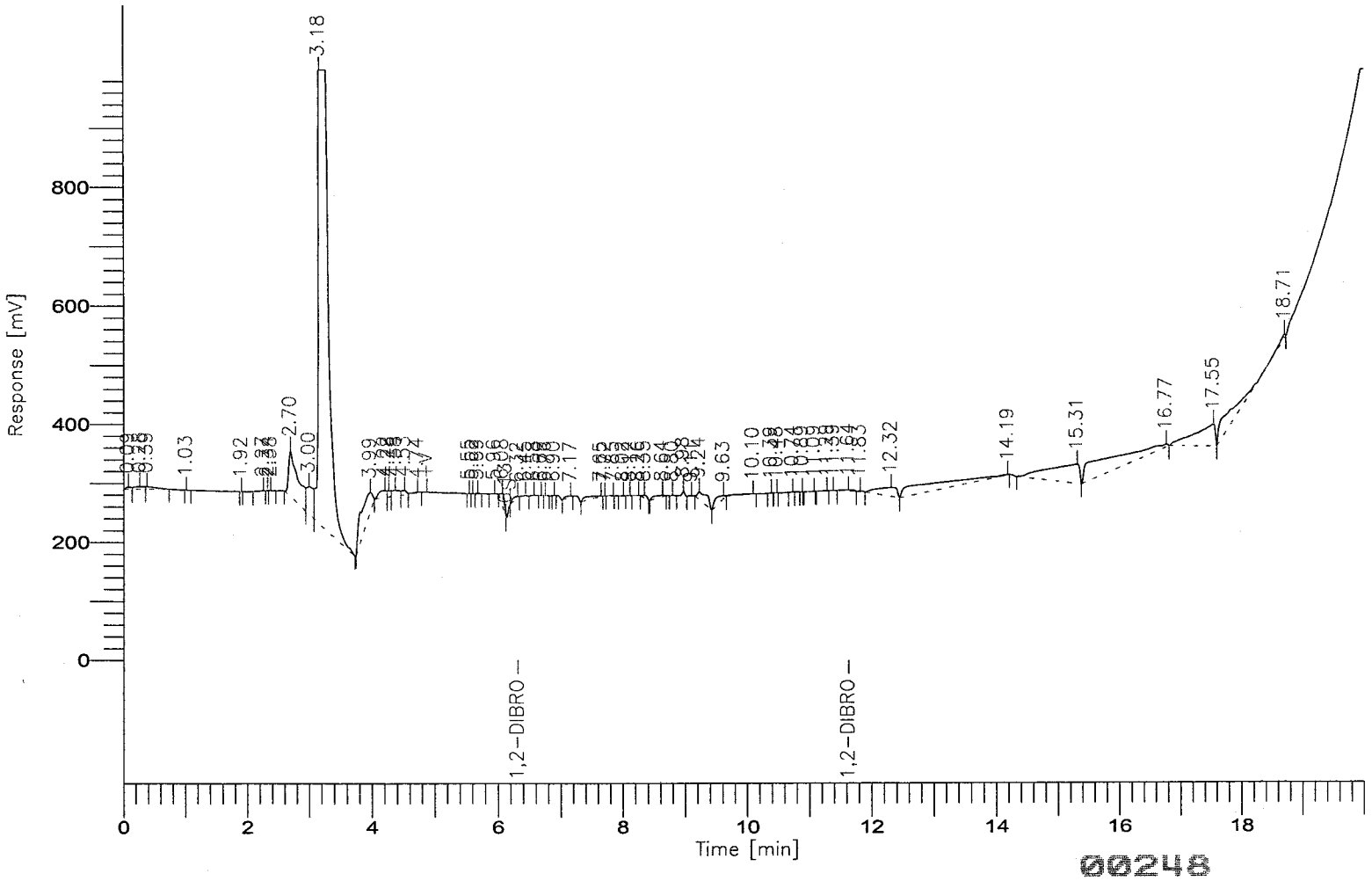
Software Version: 4.1<2F12>
Sample Name : 1207368-02 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 17:21
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG048.RAW
Result File : C:\TC4\158\AUG2012\AAUG048.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG048.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00248

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

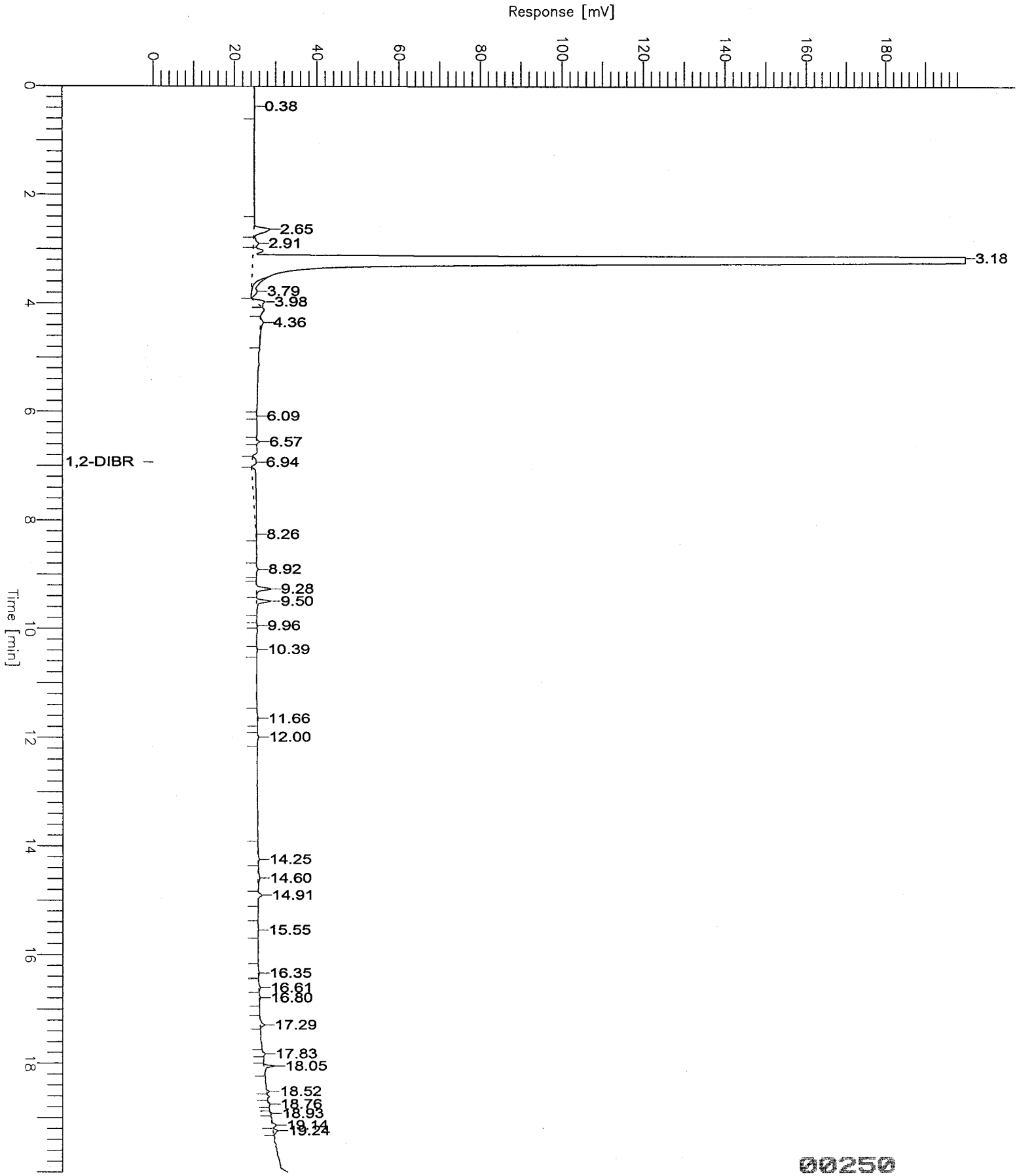
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0001	2930.53	38167.00	35	2	-0.00289	CMDL
11.64	1,2-DIBROMO3CHLOROPR	0.0001	2216.90	28054.00	35	2	0.00812	
			5147.43	66221.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG048.TX0

Chromatogram

Sample Name : 1207368-02
FileName : C:\TC4\158\AUG2012\Baug048.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 17:21
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00250

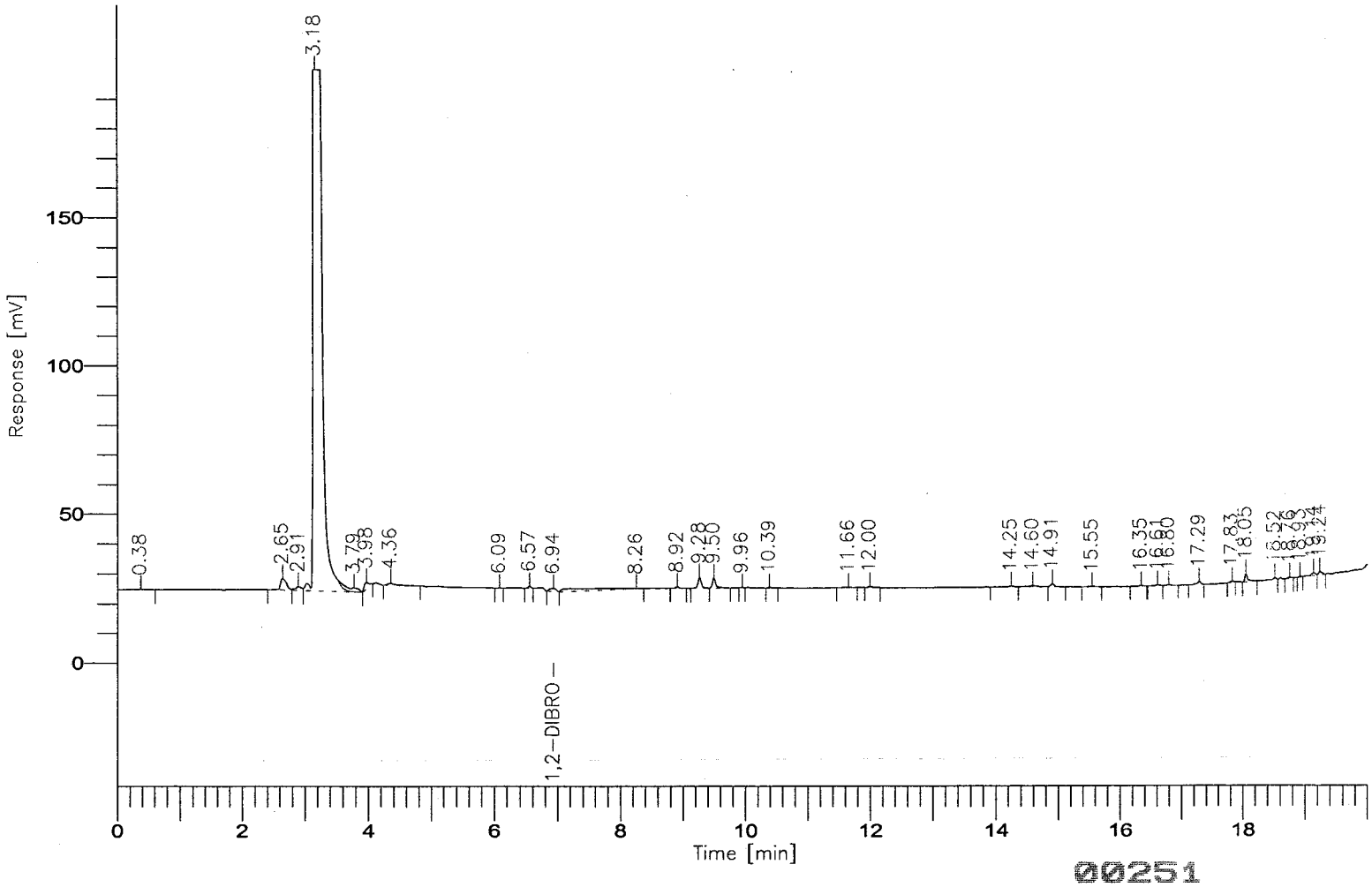
Software Version: 4.1<2F12>
Sample Name : 1207368-02 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 17:21
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG048.RAW
Result File : C:\TC4\158\AUG2012\BAUG048.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG048.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00251

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.94	1,2-DIBROMOETHANE (2	-0.0001	983.76	7495.00	35	2	-0.00523	<MDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			983.76	7495.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG048.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106104

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207370-01 File ID: AAUG044-0

Sampled: 07/21/12 10:35 Prepared: 08/03/12 08:17 Analyzed: 08/03/12 15:25

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209449 Sequence: 2H06025 Calibration: 2H06011 Instrument: 158

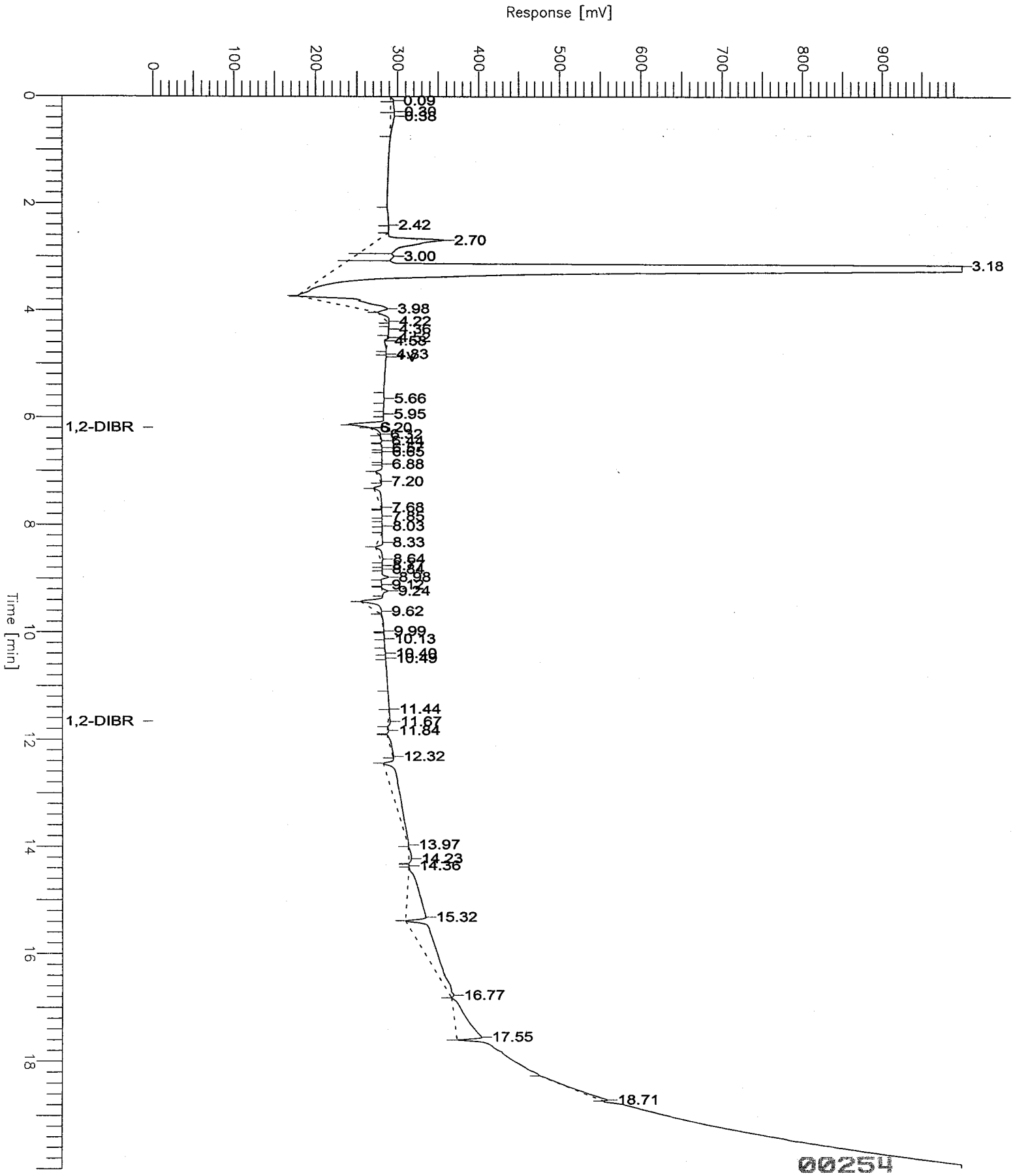
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207370-01
FileName : C:\TC4\158\AUG2012\Aaug044.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 15:25
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00254

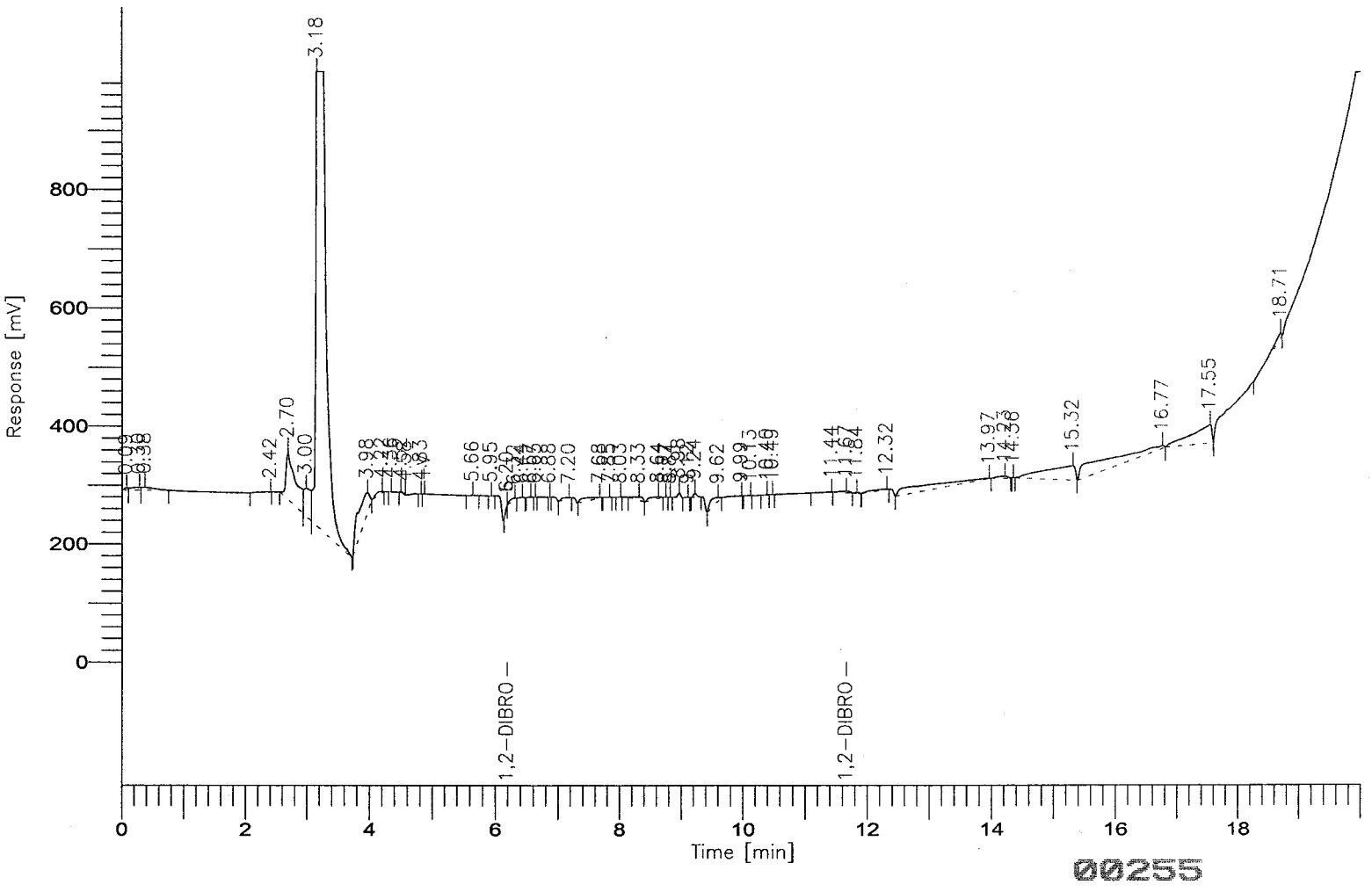
Software Version: 4.1<2F12>
Sample Name : 1207370-01 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 15:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG044.RAW
Result File : C:\TC4\158\AUG2012\AAUG044.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG044.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00255

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

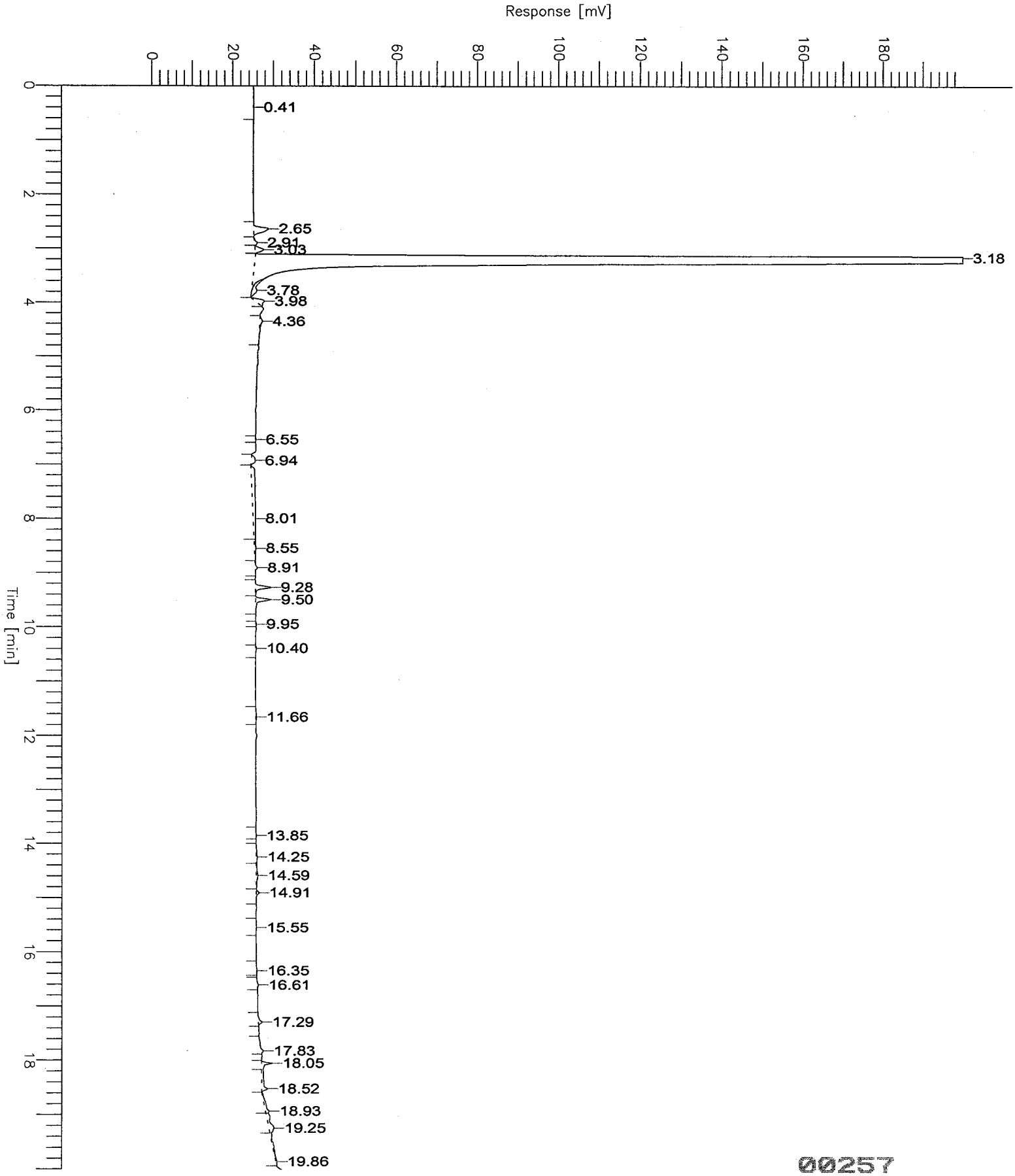
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	1.13e-10	14400.00	35	2	-0.01844	<MDL
11.67	1,2-DIBROMO3CHLOROPR	0.0002	2496.50	26903.50	35	2	0.00915	
			2496.50	41303.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG044.TX0

Chromatogram

Sample Name : 1207370-01
FileName : C:\TC4\158\AUG2012\Baug044.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 15:25
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00257

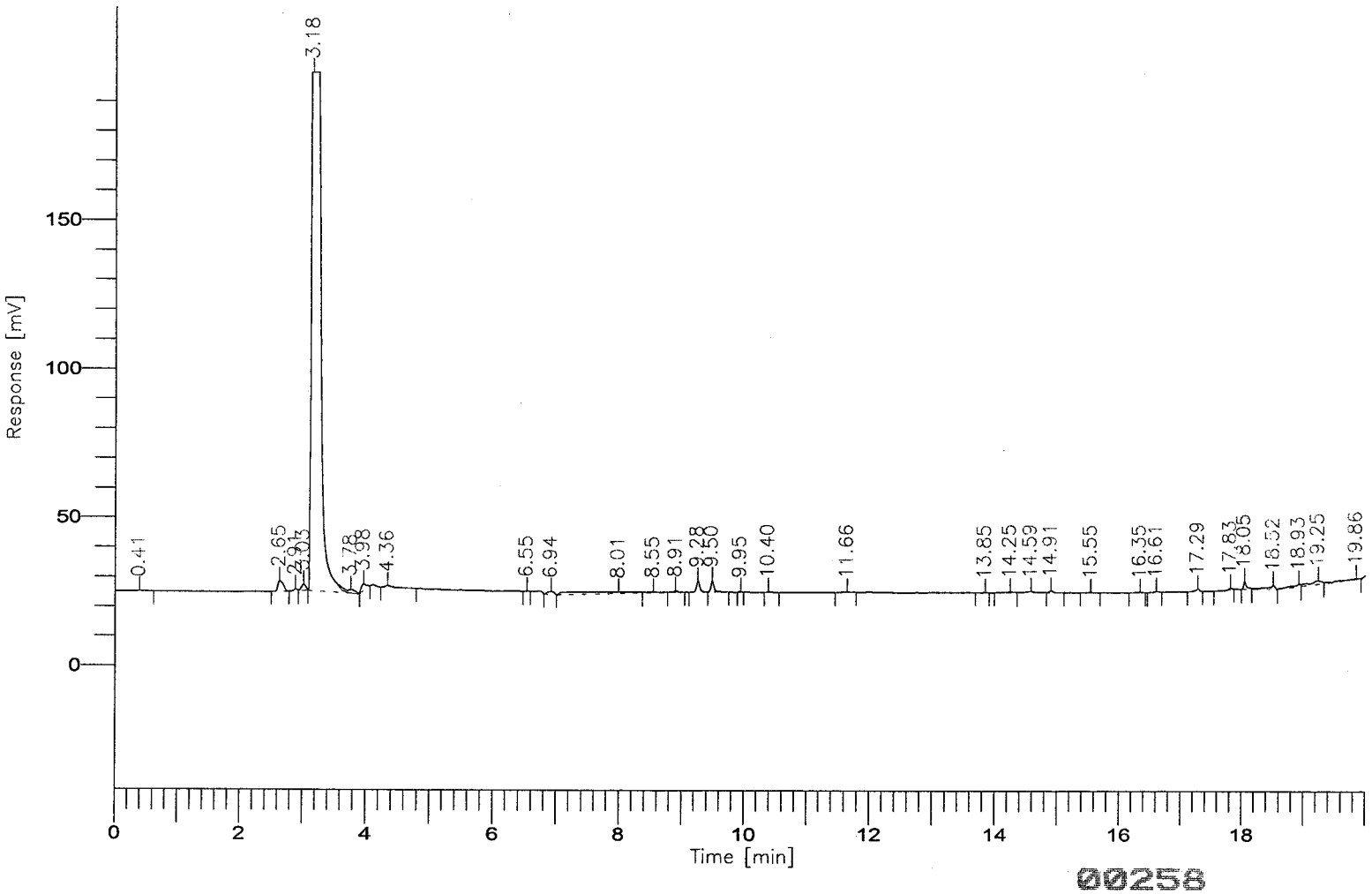
Software Version: 4.1<2F12>
Sample Name : 1207370-01 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 15:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG044.RAW
Result File : C:\TC4\158\AUG2012\BAUG044.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG044.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00258

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	CMDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG044.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

10623

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1207370-02
File ID: AAUG046-0
Sampled: 07/24/12 14:20
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 16:23
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

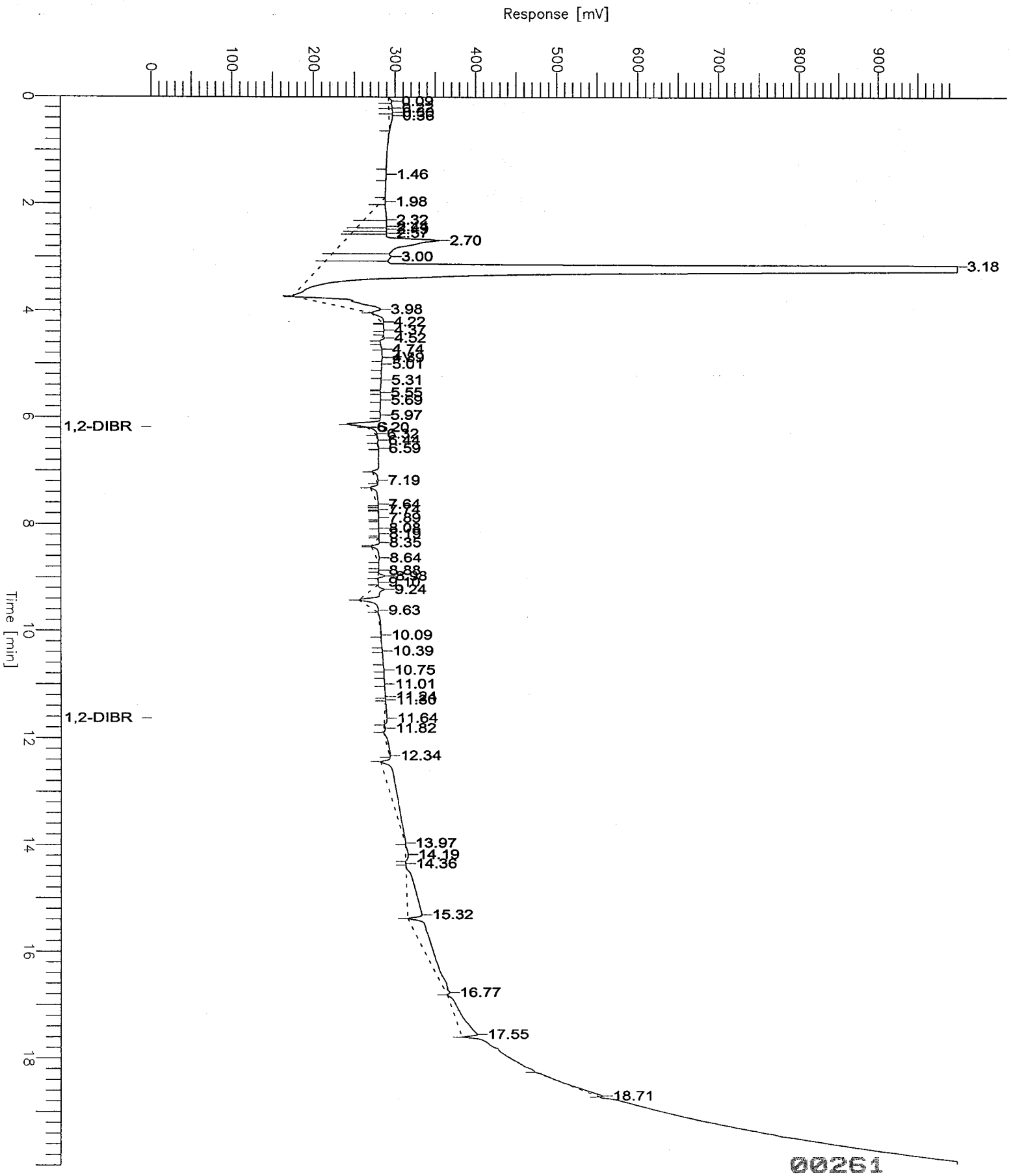
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1207370-02
FileName : C:\TC4\158\AUG2012\Aaug046.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 16:23
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00261

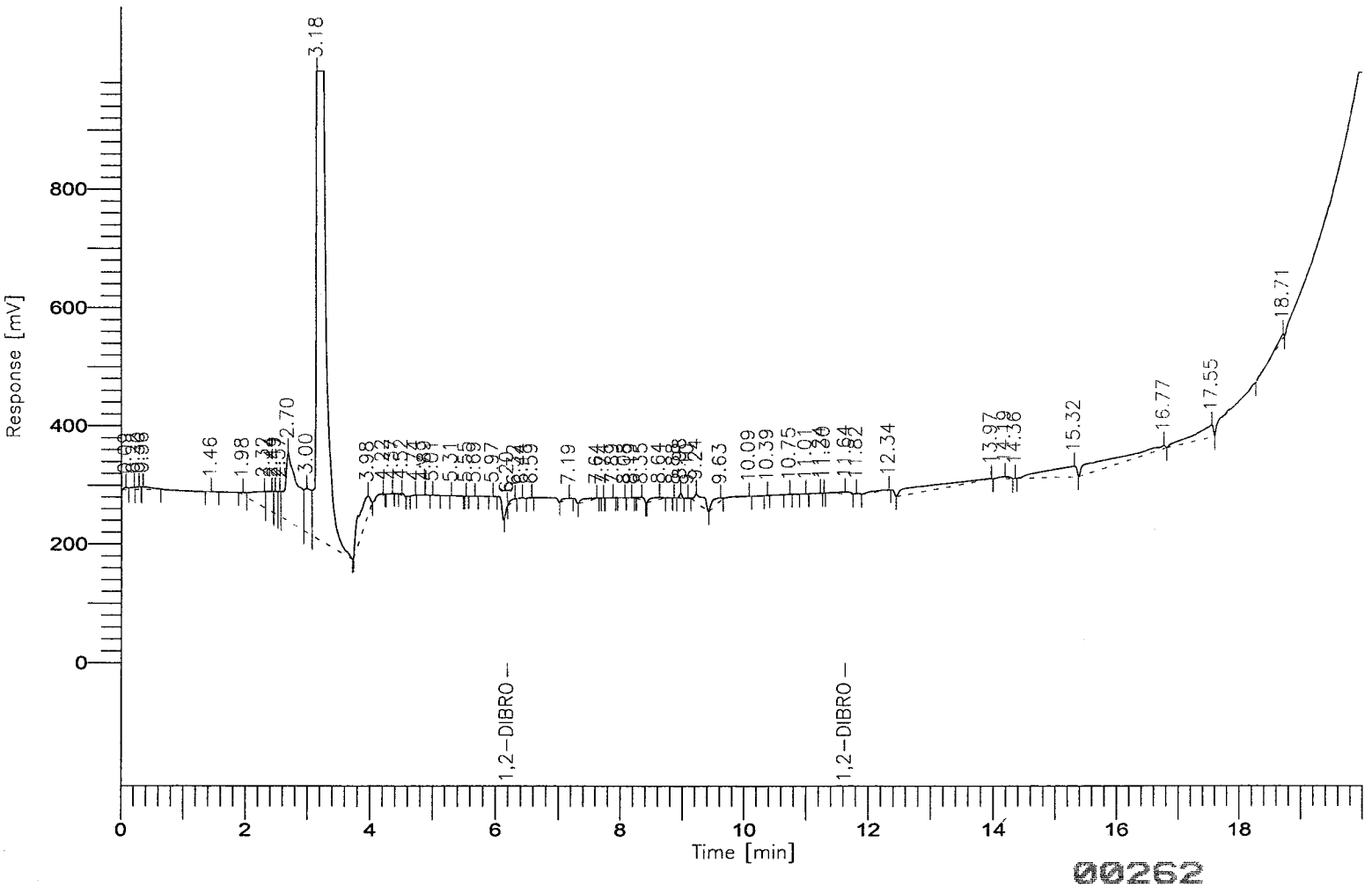
Software Version: 4.1<2F12>
Sample Name : 1207370-02 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 16:23
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG046.RAW
Result File : C:\TC4\158\AUG2012\AAUG046.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG046.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00262

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

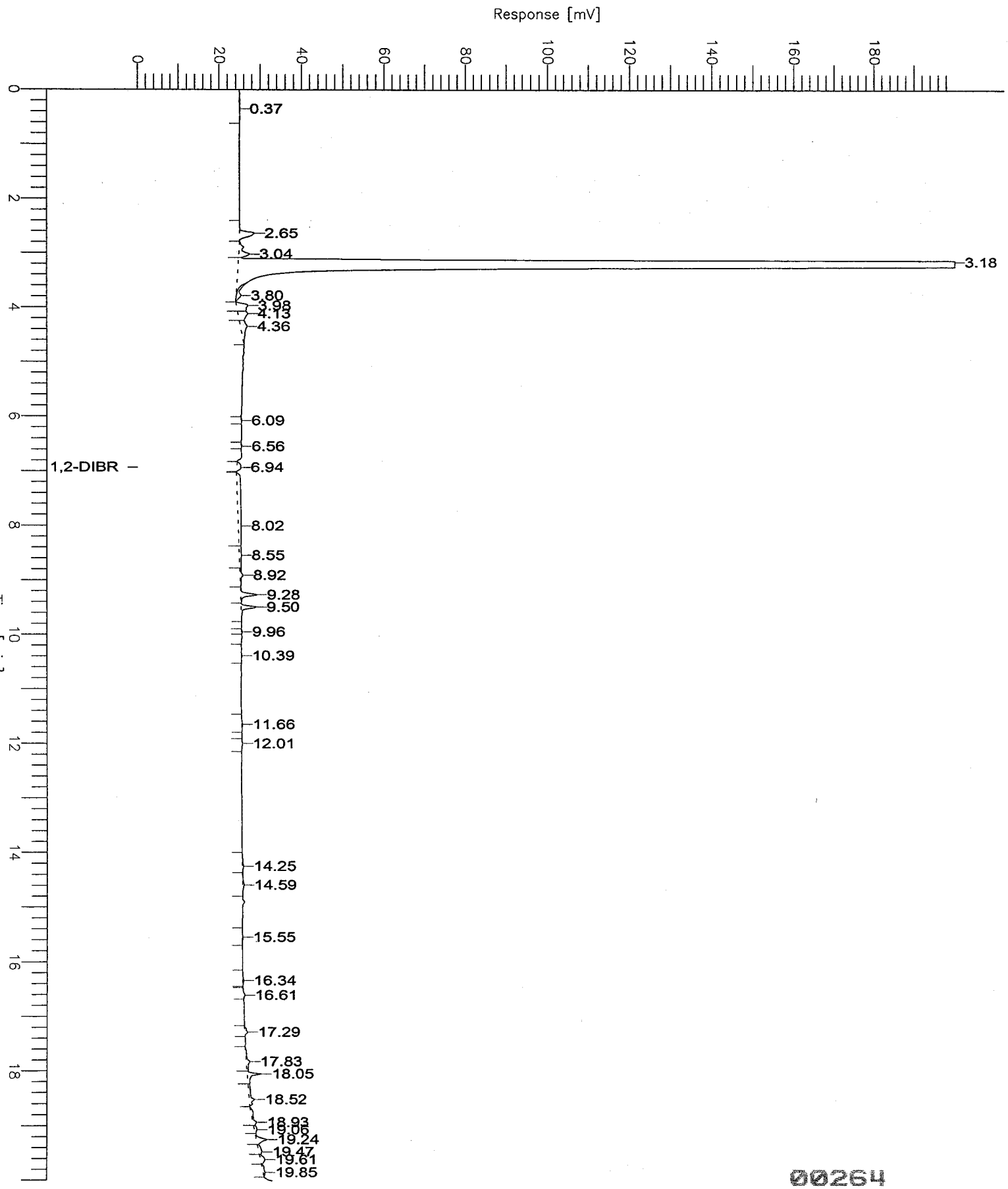
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	1.13e-10	13539.00	35	2	-0.01844	<MDL
11.64	1,2-DIBROMO3CHLOROPR	0.0002	3015.67	49718.00	35	2	0.01105	
			3015.67	63257.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG046.TX0

Chromatogram

Sample Name : 1207370-02
FileName : C:\TC4\158\AUG2012\Baug046.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 16:23
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00264

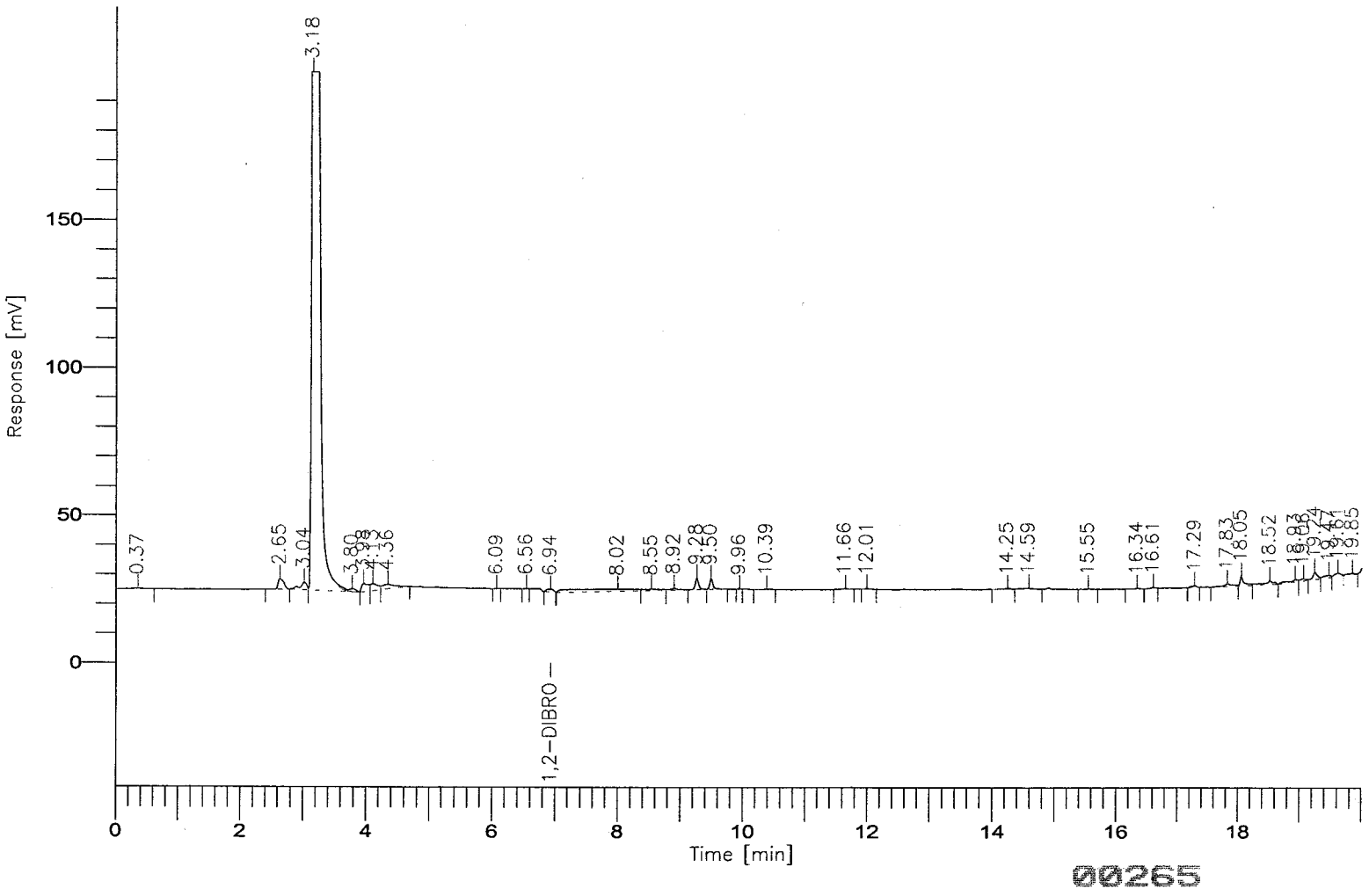
Software Version: 4.1<2F12>
Sample Name : 1207370-02 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 16:23
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG046.RAW
Result File : C:\TC4\158\AUG2012\BAUG046.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG046.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00265

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.94	1,2-DIBROMOETHANE (2	-0.0001	952.32	7196.00	35	2	-0.00577	<MDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			952.32	7196.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG046.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106063

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207404-01 File ID: AAUG049-0

Sampled: 07/25/12 10:05 Prepared: 08/03/12 08:17 Analyzed: 08/03/12 17:50

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209449 Sequence: 2H06025 Calibration: 2H06011 Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

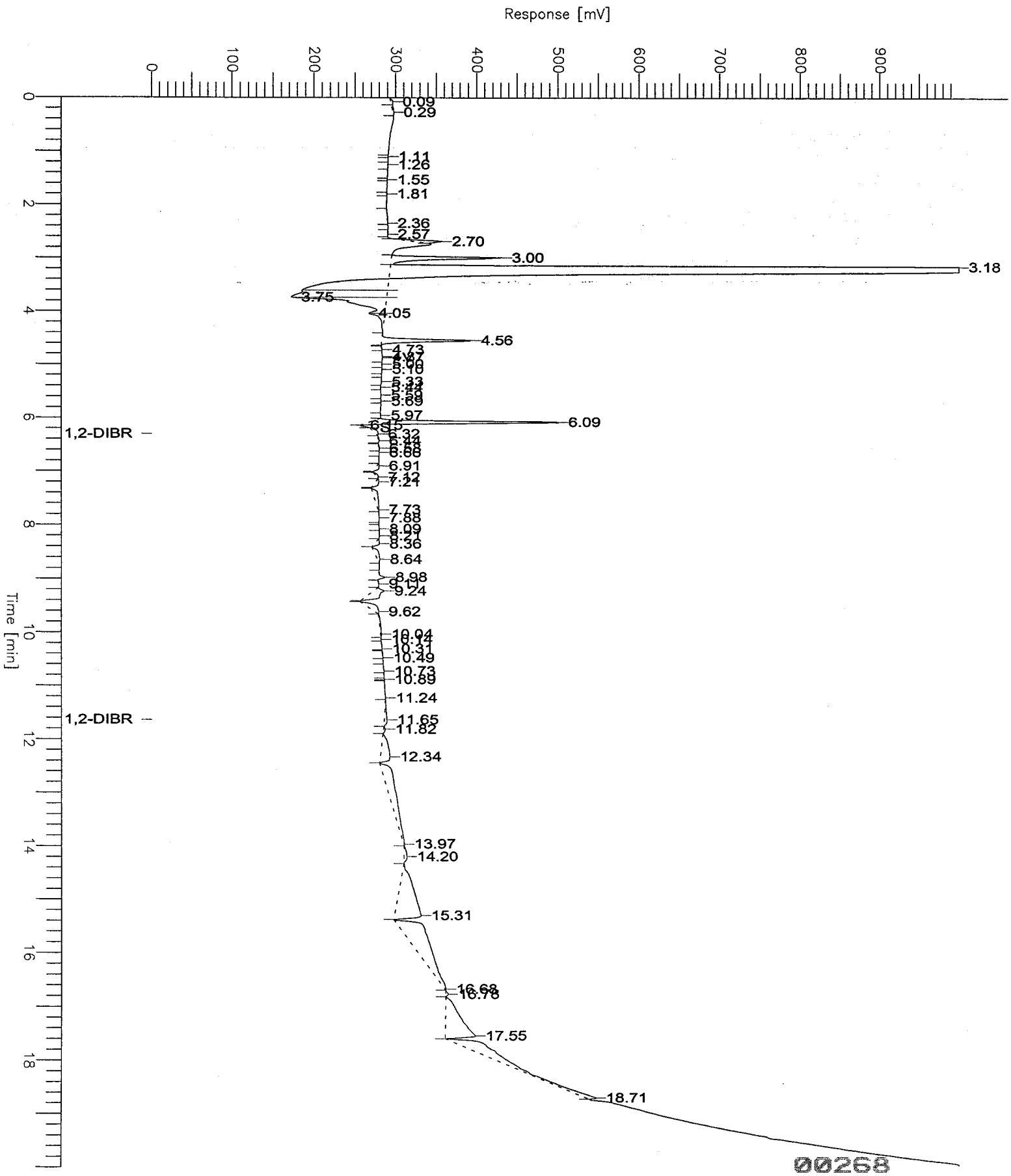
* Values outside of QC limits

00267

Chromatogram

Sample Name : 1207404-01
FileName : C:\TC4\158\AUG2012\Aaug049.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 17:50
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00268

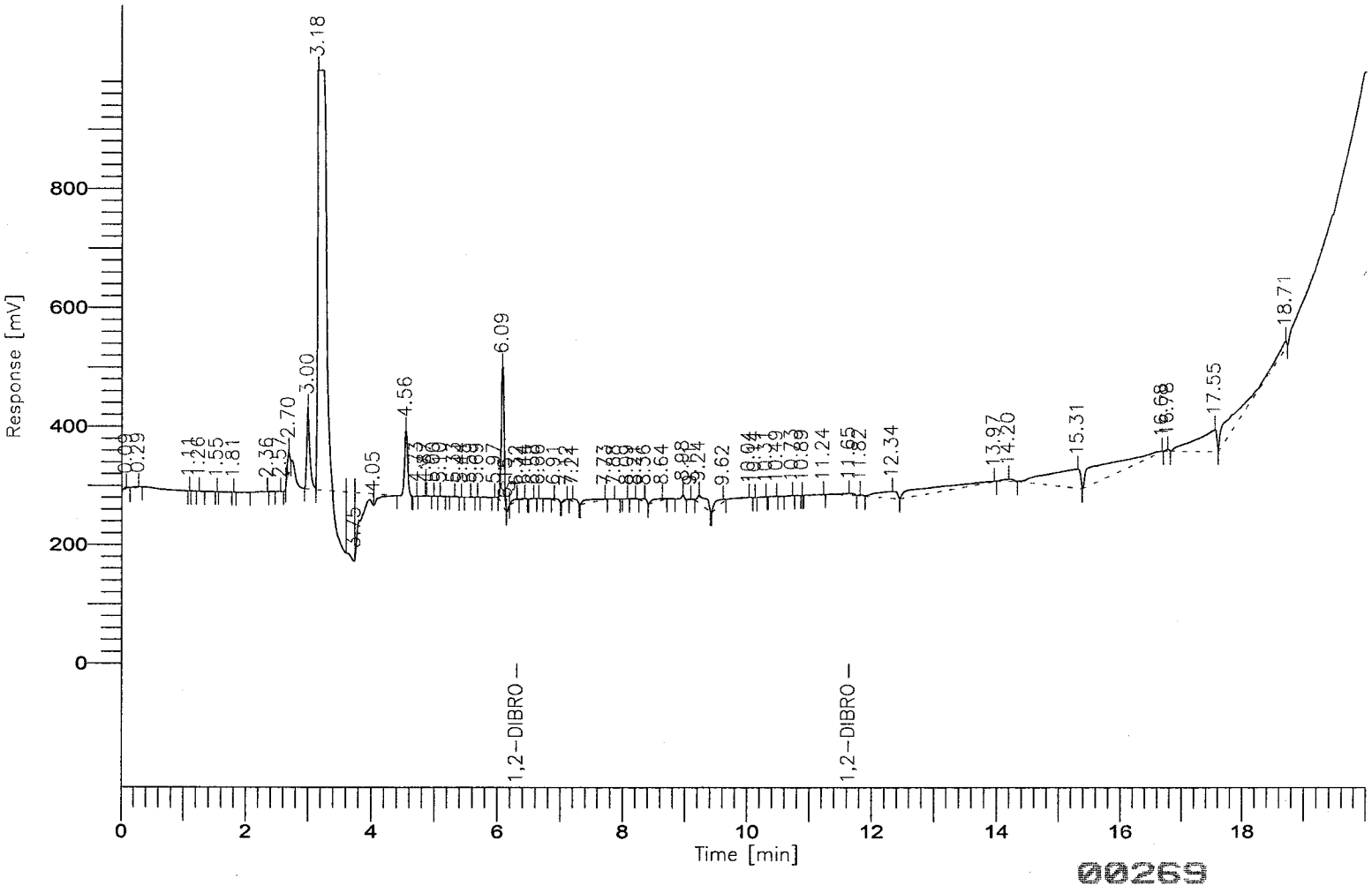
Software Version: 4.1<2F12>
Sample Name : 1207404-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 17:50
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG049.RAW
Result File : C:\TC4\158\AUG2012\AAUG049.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG049.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00269

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

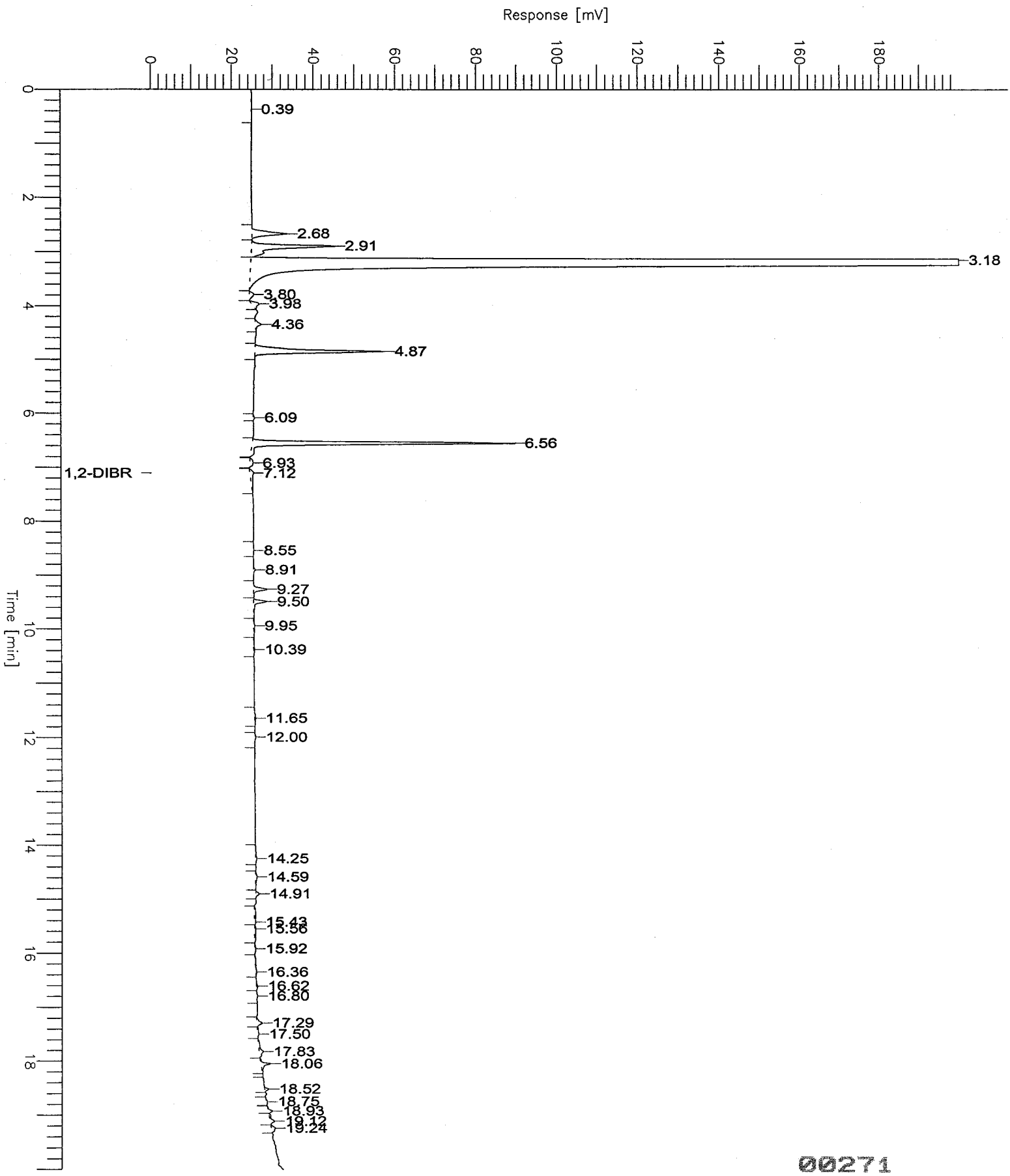
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.32	1,2-DIBROMOETHANE	-0.0001	2636.03	34612.50	35	2	-0.00445	<MDL
11.64	1,2-DIBROMO3CHLOROPR	0.0002	3074.88	48236.00	35	2	0.01127	
			5710.91	82848.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG049.TX0

Chromatogram

Sample Name : 1207404-01
FileName : C:\TC4\158\AUG2012\Baug049.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 17:50
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00271

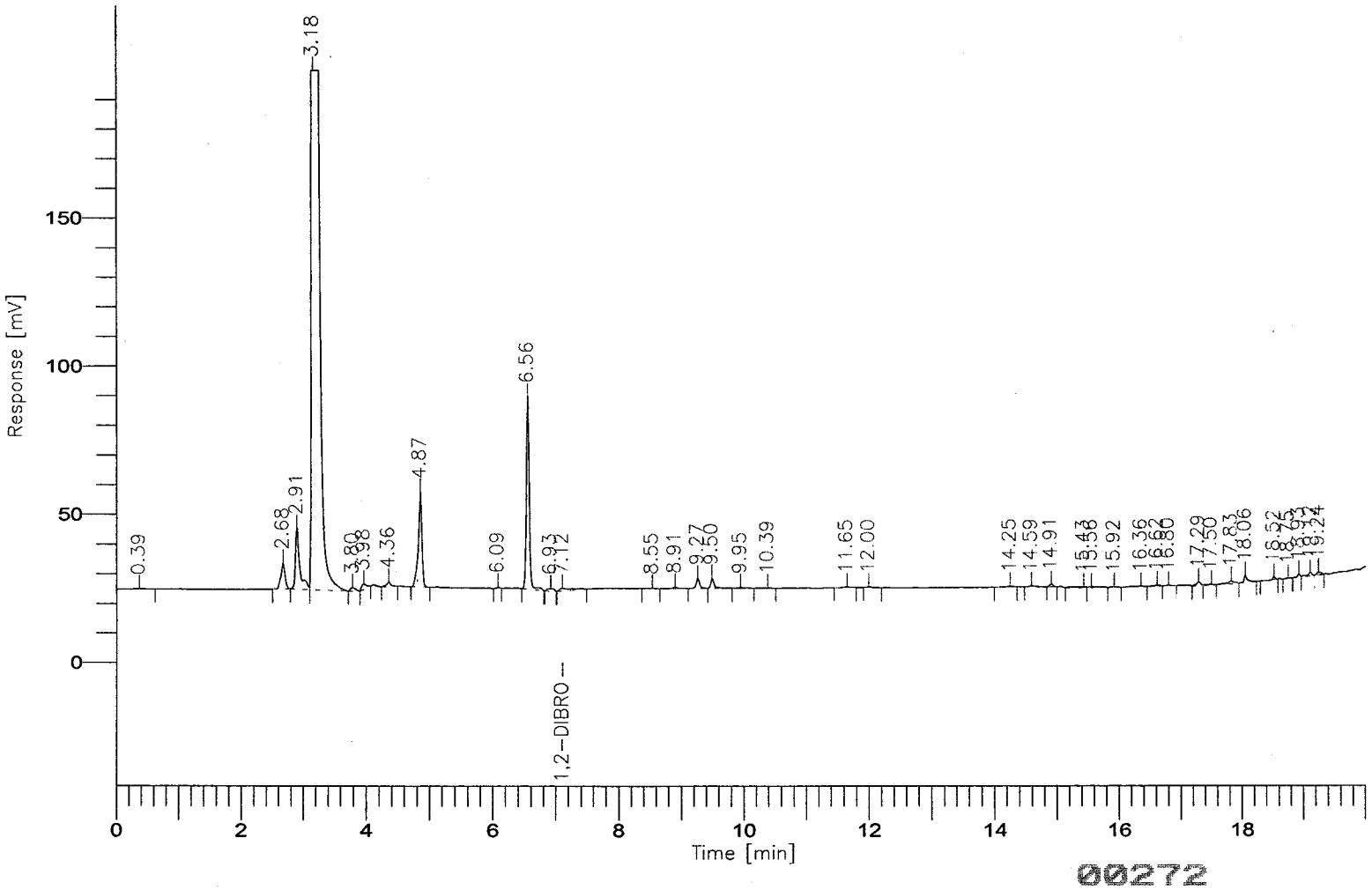
Software Version: 4.1<2F12>
Sample Name : 1207404-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 17:50
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG049.RAW
Result File : C:\TC4\158\AUG2012\BAUG049.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG049.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00272

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	-0.0001	941.82	12634.00	35	2	-0.00595	<MDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			941.82	12634.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG049.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106055

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1207404-02 File ID: AAUG064-0

Sampled: 07/25/12 10:30 Prepared: 08/06/12 09:22 Analyzed: 08/06/12 12:06

Solids: Preparation: Method-Specific Extracti Initial/Final: 34.7 mL / 2 mL

QC Batch: 1209537 Sequence: 2H06039 Calibration: 2H06011 Instrument: 158

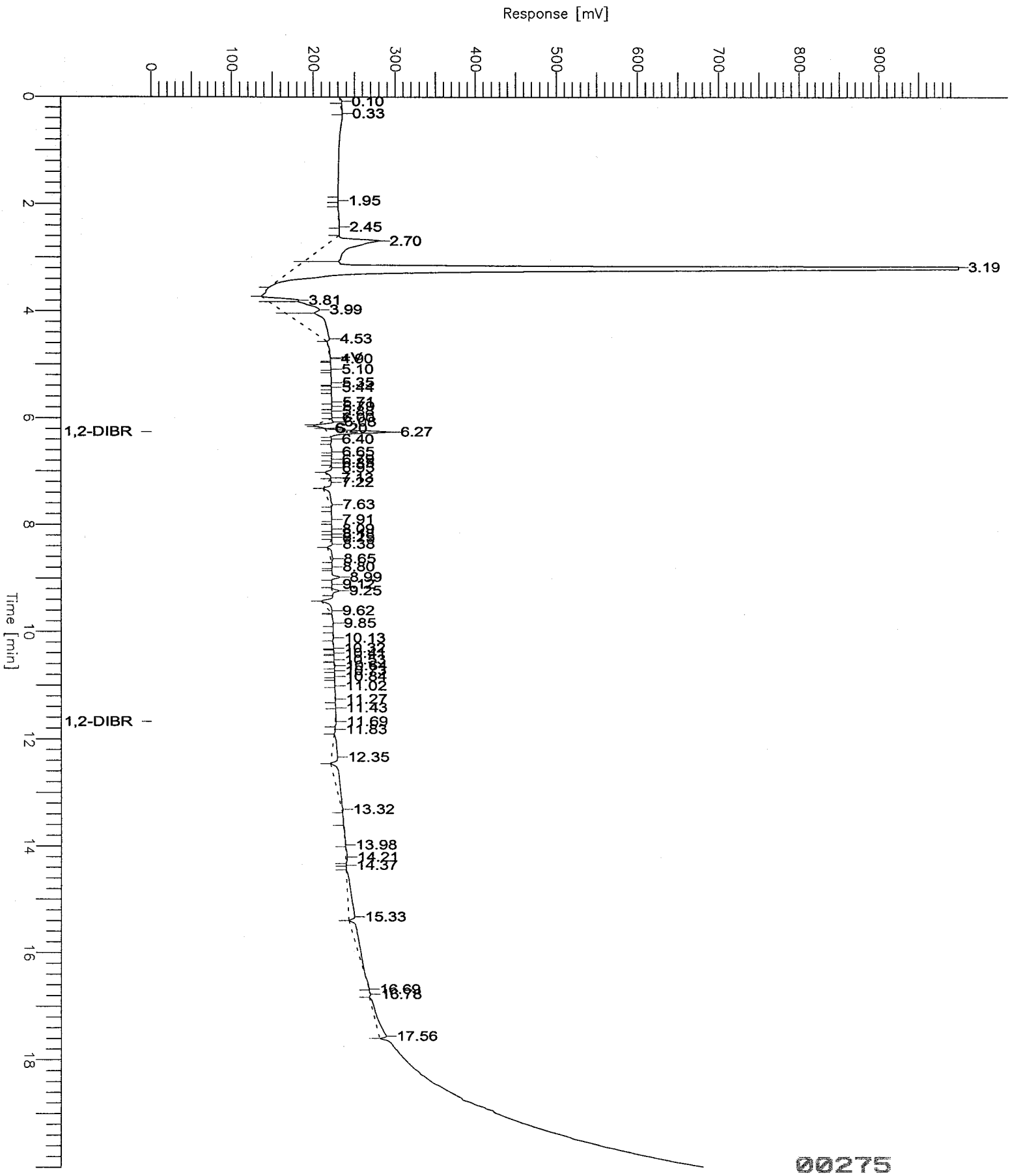
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	5	2.0	0.044	0.25	

* Values outside of QC limits

Chromatogram

Sample Name : 1207404-02
FileName : C:\TC4\158\AUG2012\Aaug064.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:25
Time of Injection: 8/6/12 12:06
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00275

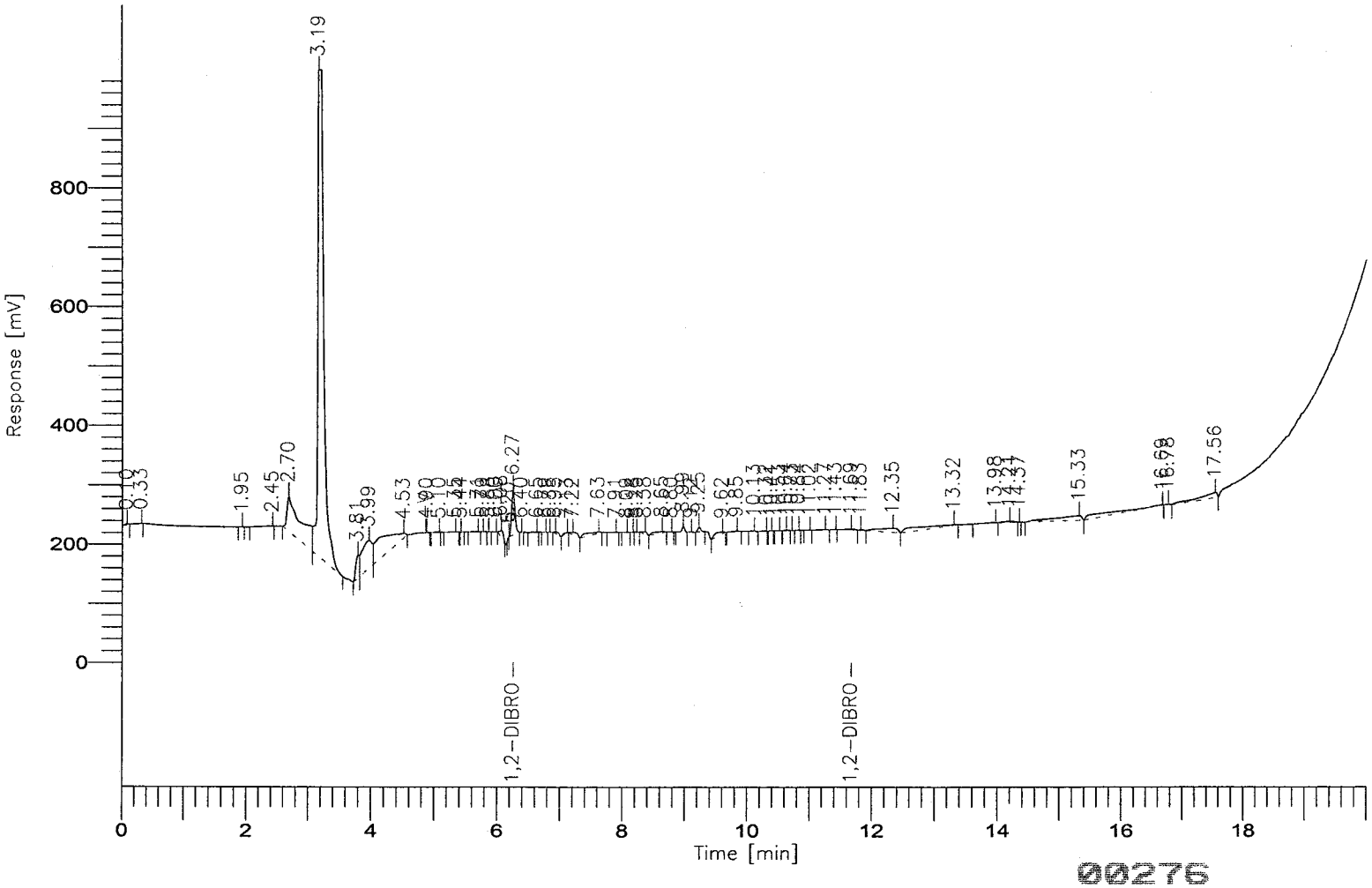
Software Version: 4.1<2F12>
Sample Name : 1207404-02 Time : 8/6/12 13:25
Sample Number: Study : 8011
Operator : ~~ABC~~ BST 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 12:06
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG064.RAW
Result File : C:\TC4\158\AUG2012\AAUG064.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG064.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 5.00



00276

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

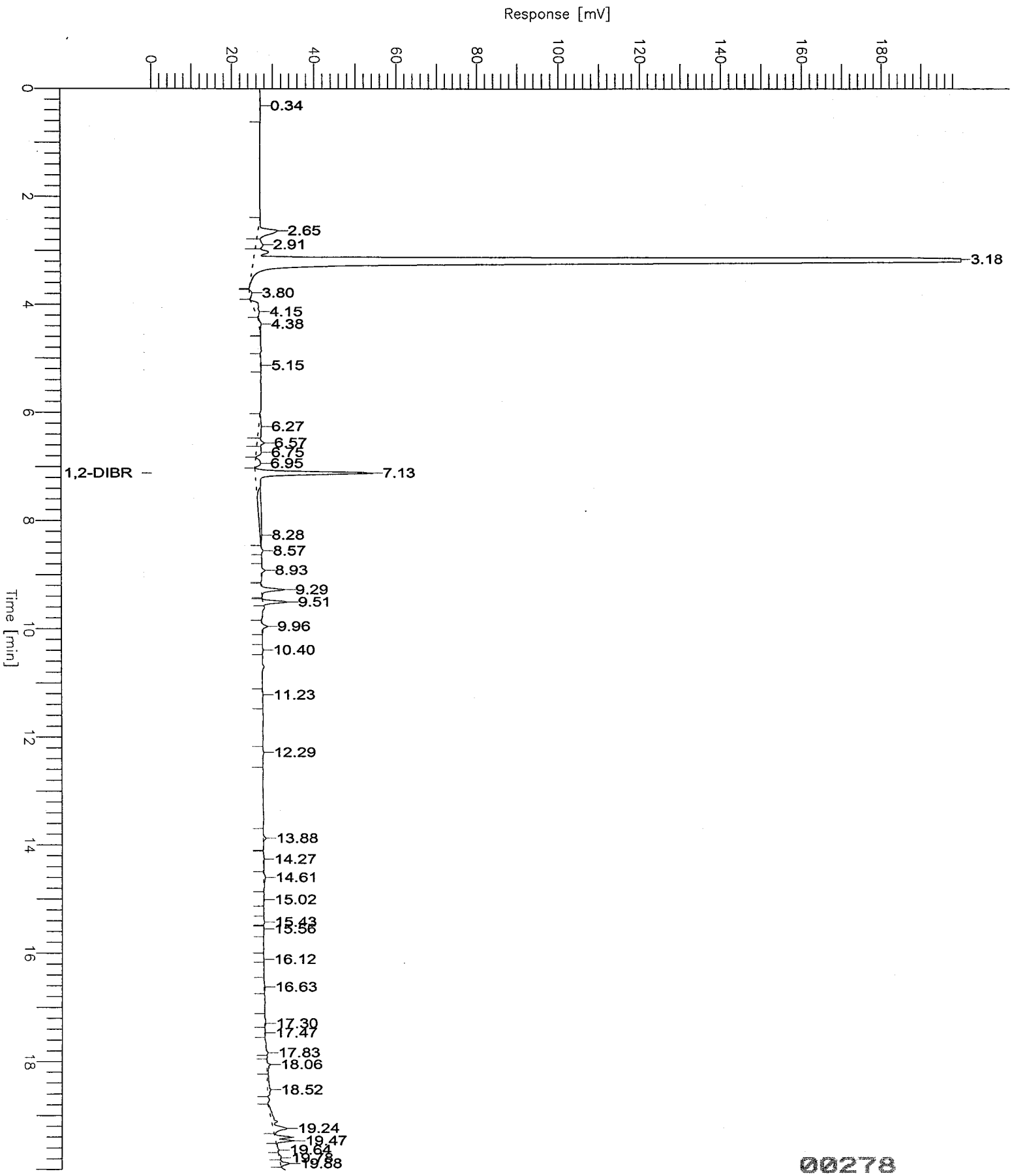
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.27	1,2-DIBROMOETHANE	0.0069	77583.25	274510.00	35	2	1.98345
11.69	1,2-DIBROMO3CHLOROPR	0.0001	1214.32	13091.00	35	2	0.02244
			78797.57	287601.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG064.TX0

Chromatogram

Sample Name : 1207404-02
FileName : C:\TC4\158\AUG2012\Baug064.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:25
Time of Injection: 8/6/12 12:06
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



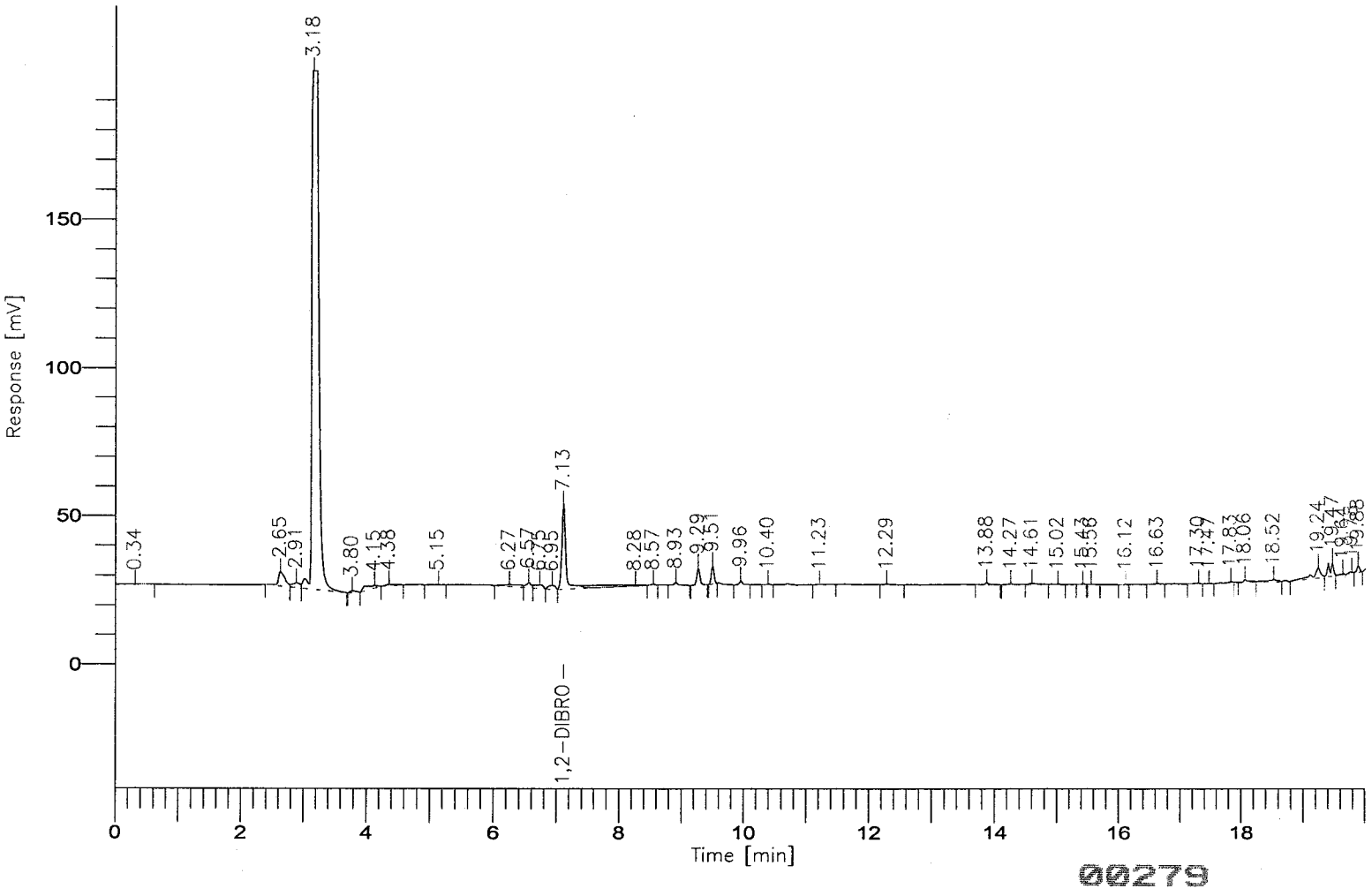
00278

Software Version: 4.1<2F12>
Sample Name : 1207404-02 Time : 8/6/12 13:25
Sample Number: Study : 8011
Operator : ~~ABC~~ BDH 8/6/12
Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 12:06
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG064.RAW
Result File : C:\TC4\158\AUG2012\BAUG064.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG064.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 5.00



00279

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.13	1,2-DIBROMOETHANE (2	0.0084	29130.32	128680.21	35	2	2.41663
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			29130.32	128680.21			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG064.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106051

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208015-01
File ID: AAUG051-0
Sampled: 07/31/12 10:15
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 18:47
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

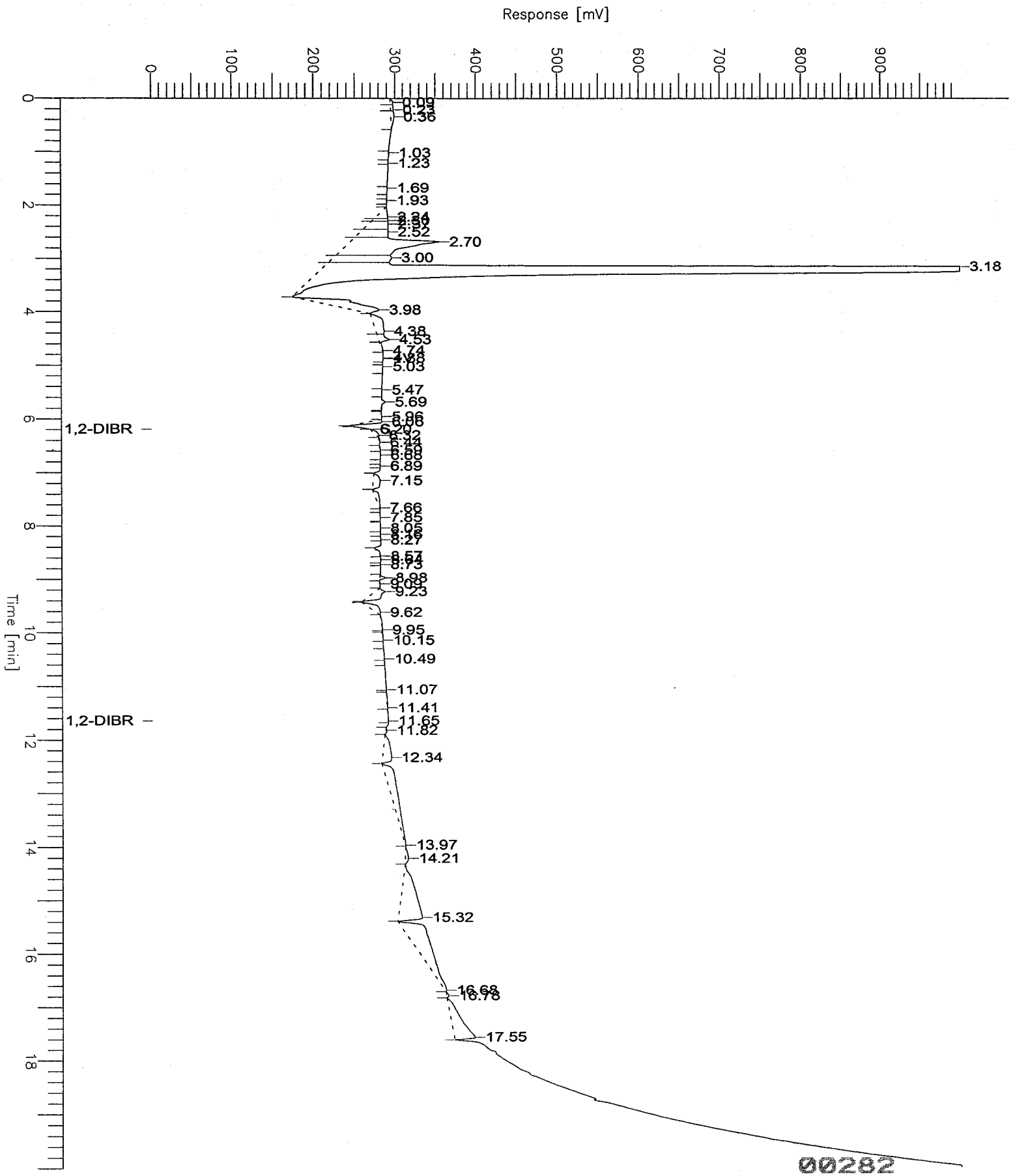
* Values outside of QC limits

00281

Chromatogram

Sample Name : 1208015-01
FileName : C:\TC4\158\AUG2012\Aaug051.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 18:47
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00282

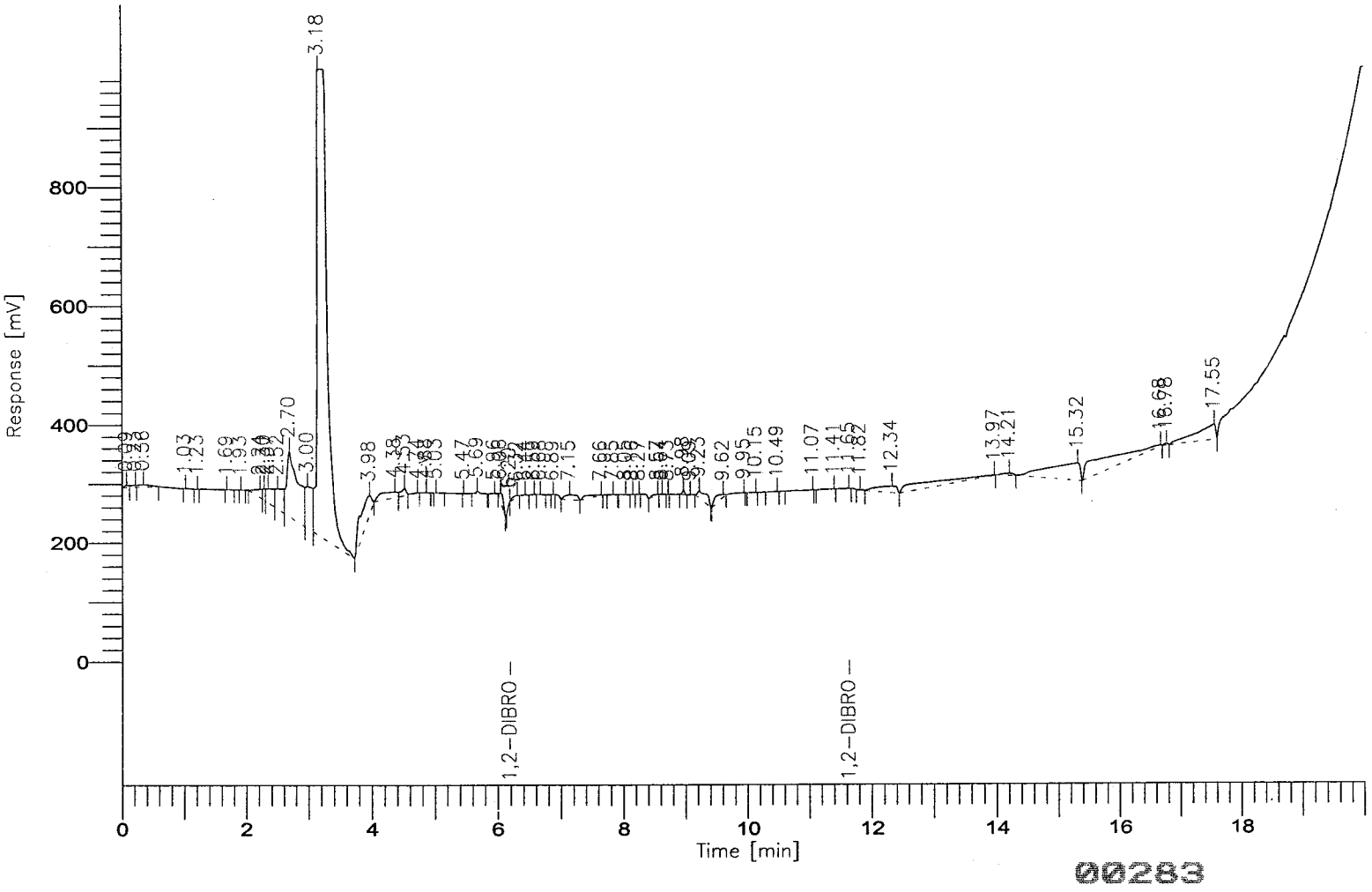
Software Version: 4.1<2F12>
Sample Name : 1208015-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG051.RAW
Result File : C:\TC4\158\AUG2012\AAUG051.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG051.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00283

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

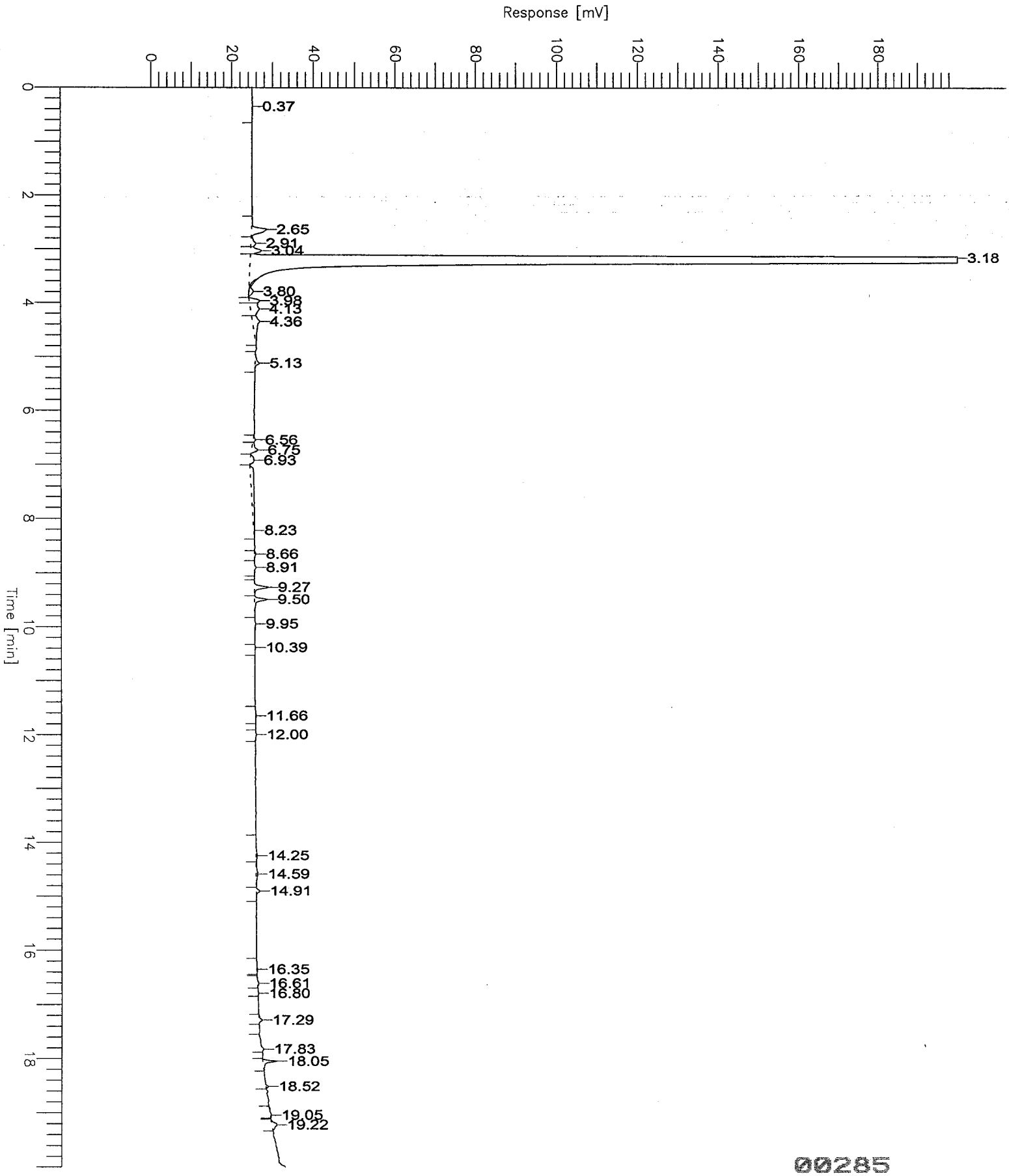
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	1.13e-10	13754.50	35	2	-0.01844	<MDL
11.65	1,2-DIBROMO3CHLOROPR	0.0000	277.74	3903.00	35	2	0.00102	
			277.74	17657.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG051.TX0

Chromatogram

Sample Name : 1208015-01
FileName : C:\TC4\158\AUG2012\Baug051.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 18:47
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00285

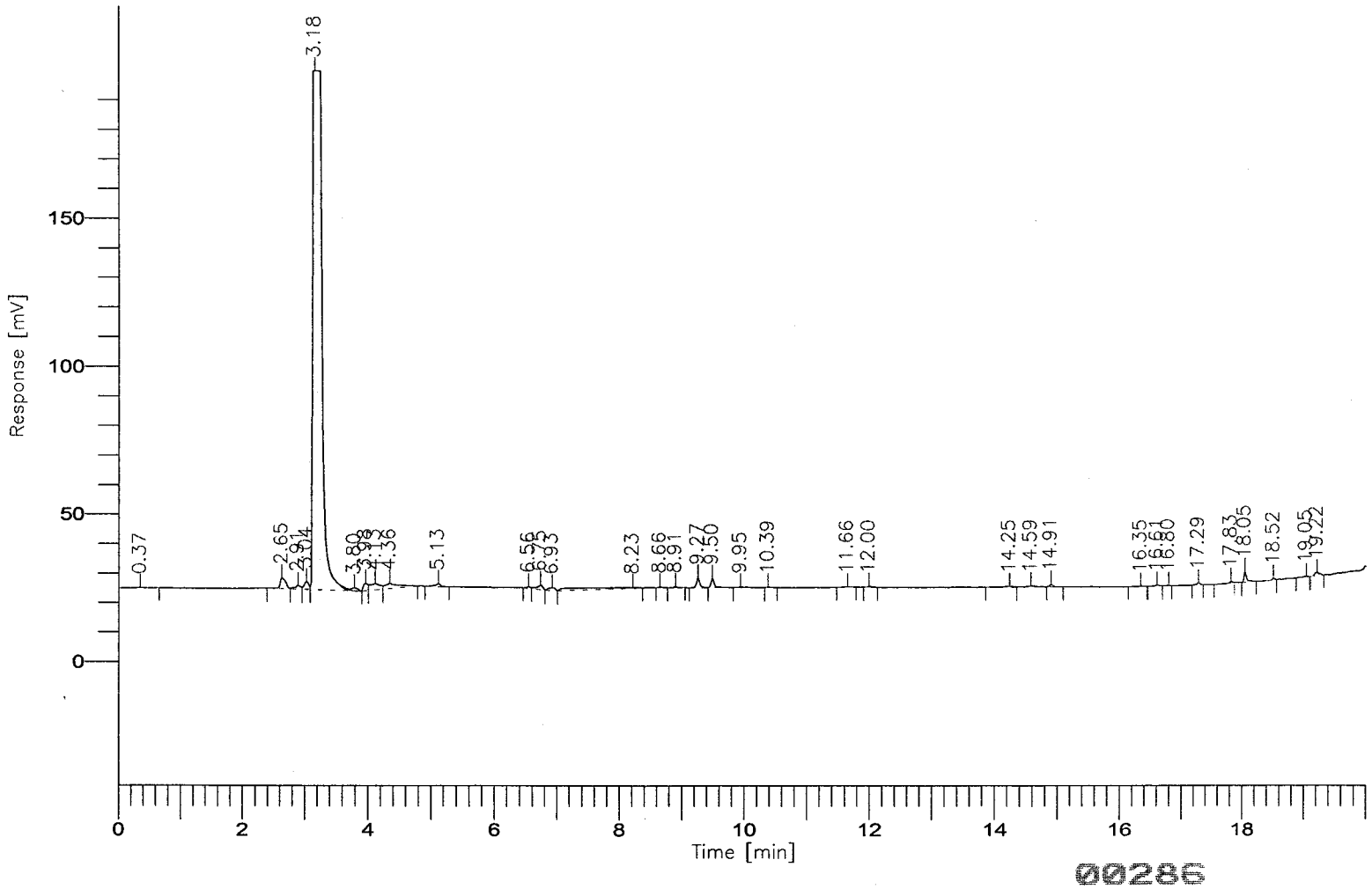
Software Version: 4.1<2F12>
Sample Name : 1208015-01 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG051.RAW
Result File : C:\TC4\158\AUG2012\BAUG051.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG051.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00286

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	CMDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG051.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106035

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208015-02
File ID: AAUG052-0
Sampled: 07/31/12 12:00
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 19:16
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 34.6 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

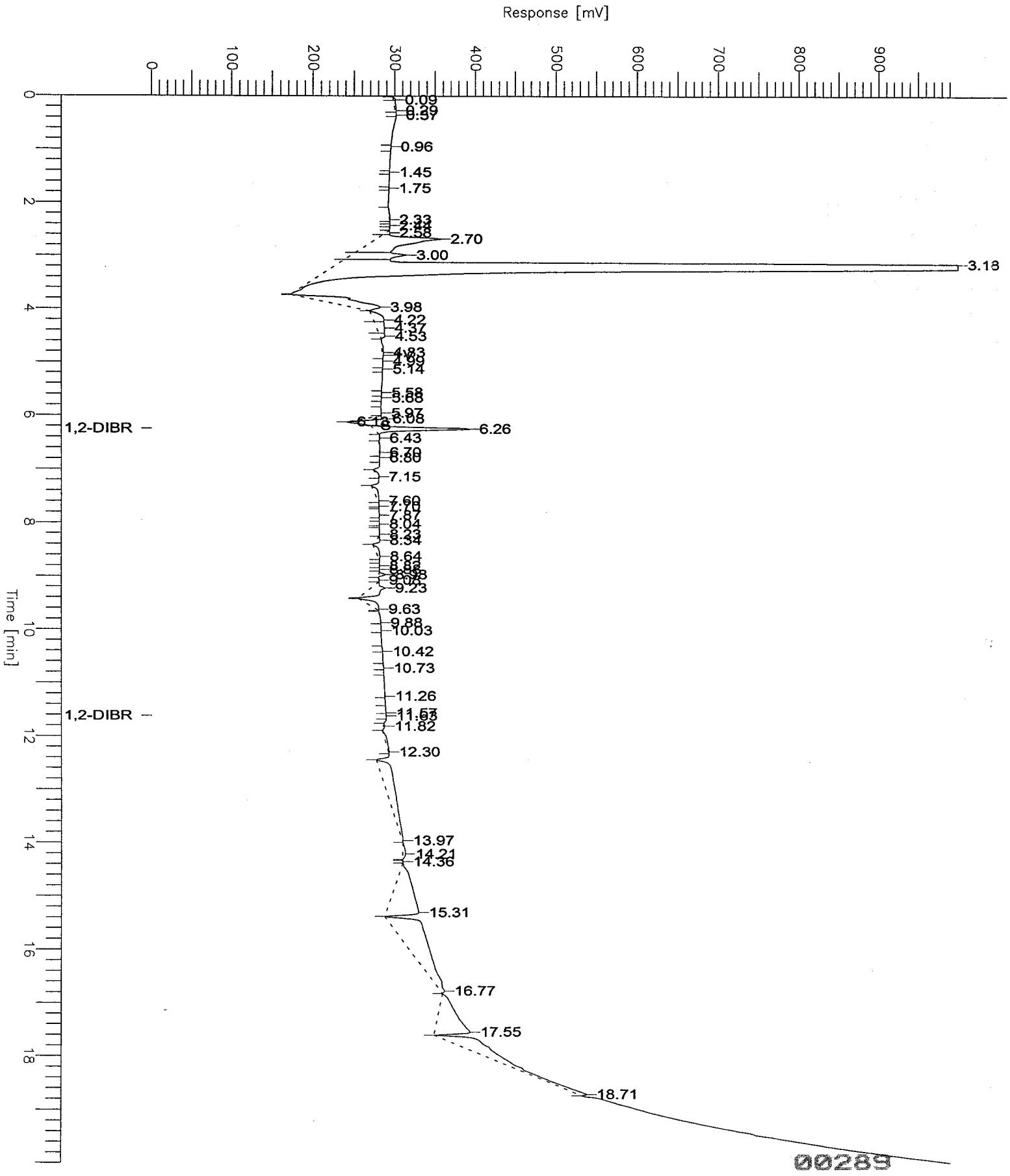
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.64	0.0088	0.050	

* Values outside of QC limits

Chromatogram

Sample Name : 1208015-02
FileName : C:\TC4\158\AUG2012\Aaug052.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 11:17
Time of Injection: 8/3/12 19:16
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



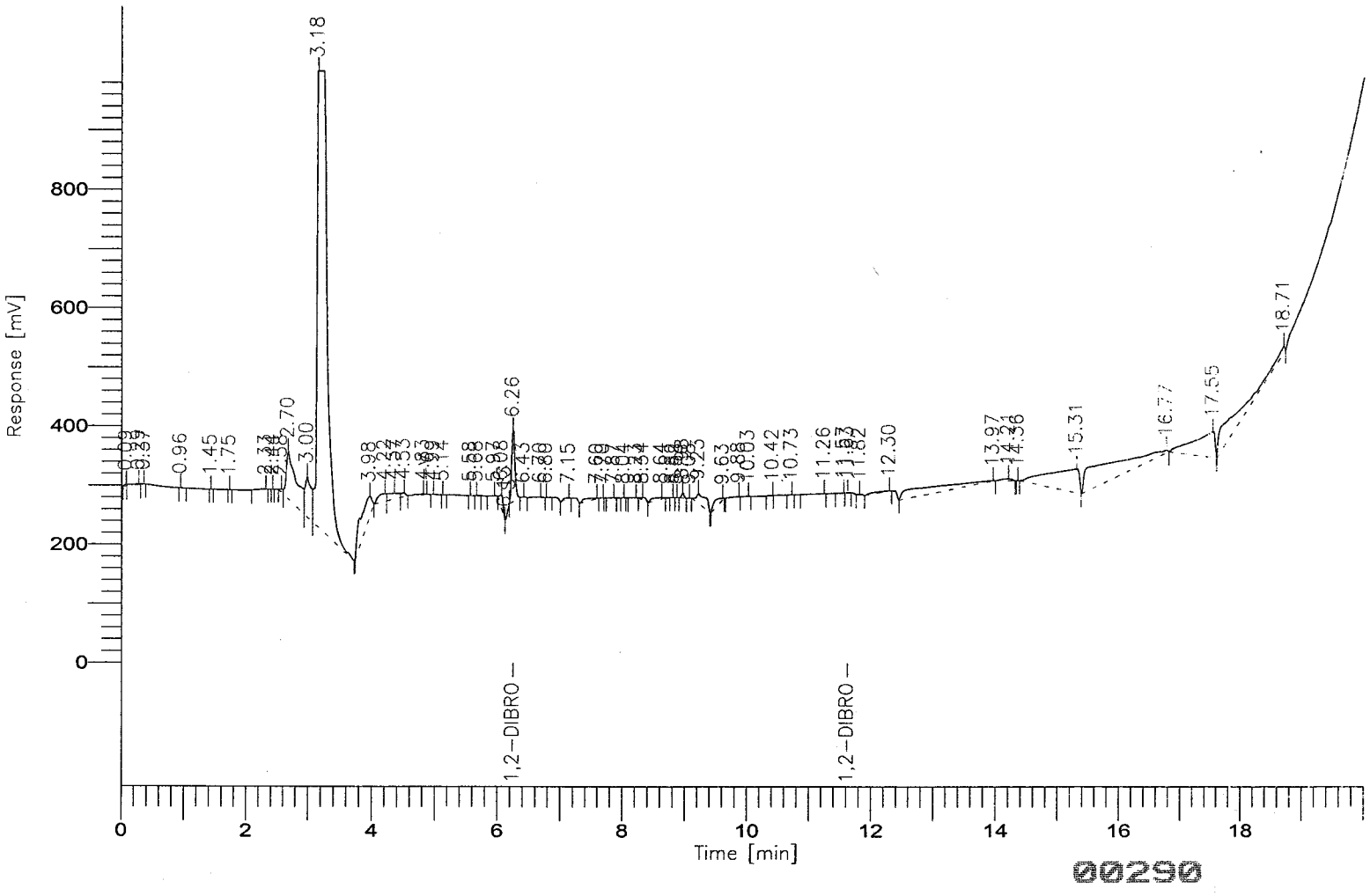
Software Version: 4.1<2F12>
Sample Name : 1208015-02 Time : 8/6/12 11:16
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG052.RAW
Result File : C:\TC4\158\AUG2012\AAUG052.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG052.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00290

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

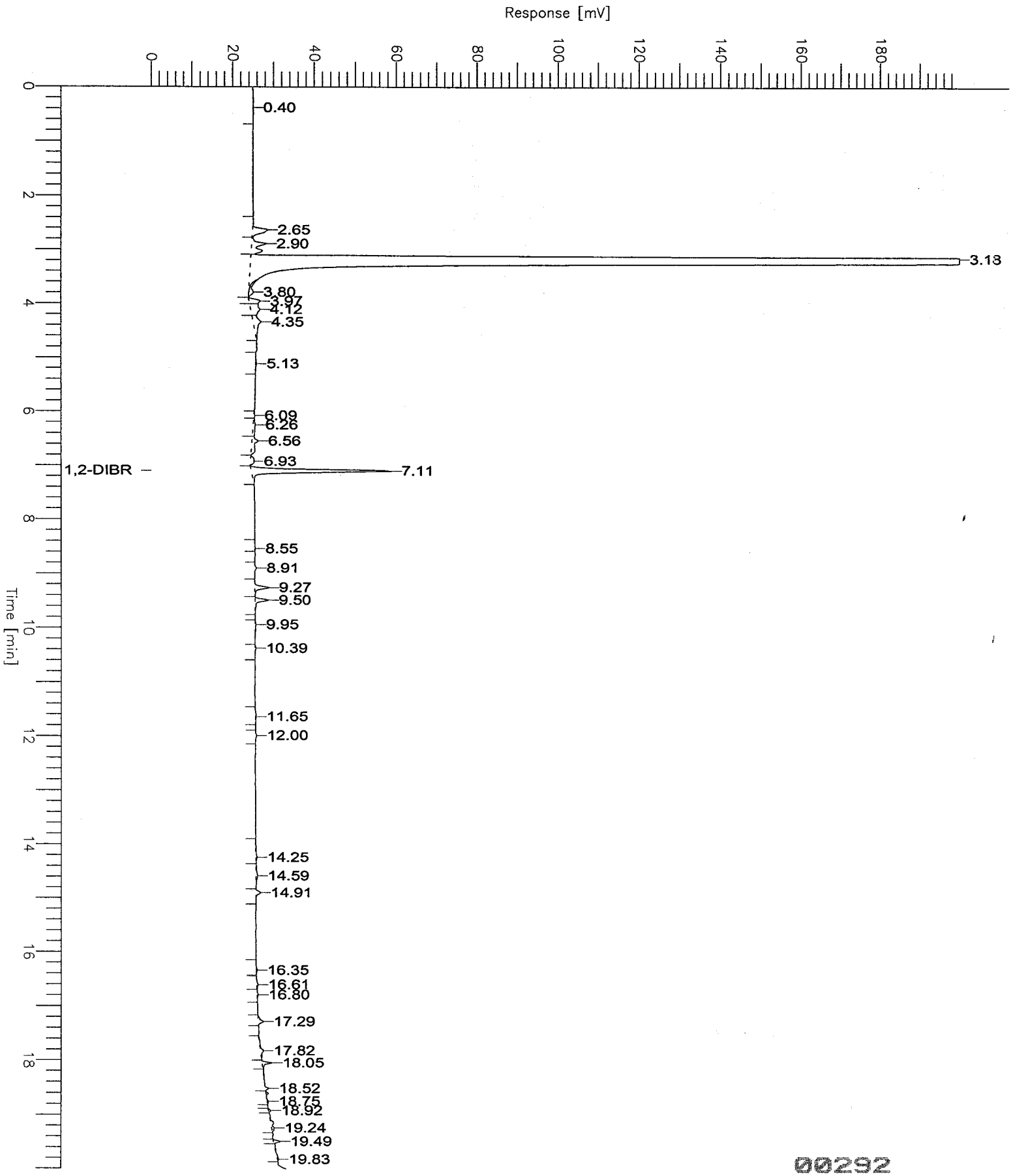
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0111	122847.58	436821.00	35	2	0.64083
11.63	1,2-DIBROMO3CHLOROPR	0.0000	316.99	1052.00	35	2	0.00117
			123164.57	437873.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG052.TX0

Chromatogram

Sample Name : 1208015-02
FileName : C:\TC4\158\AUG2012\Baug052.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 11:17
Time of Injection: 8/3/12 19:16
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00292

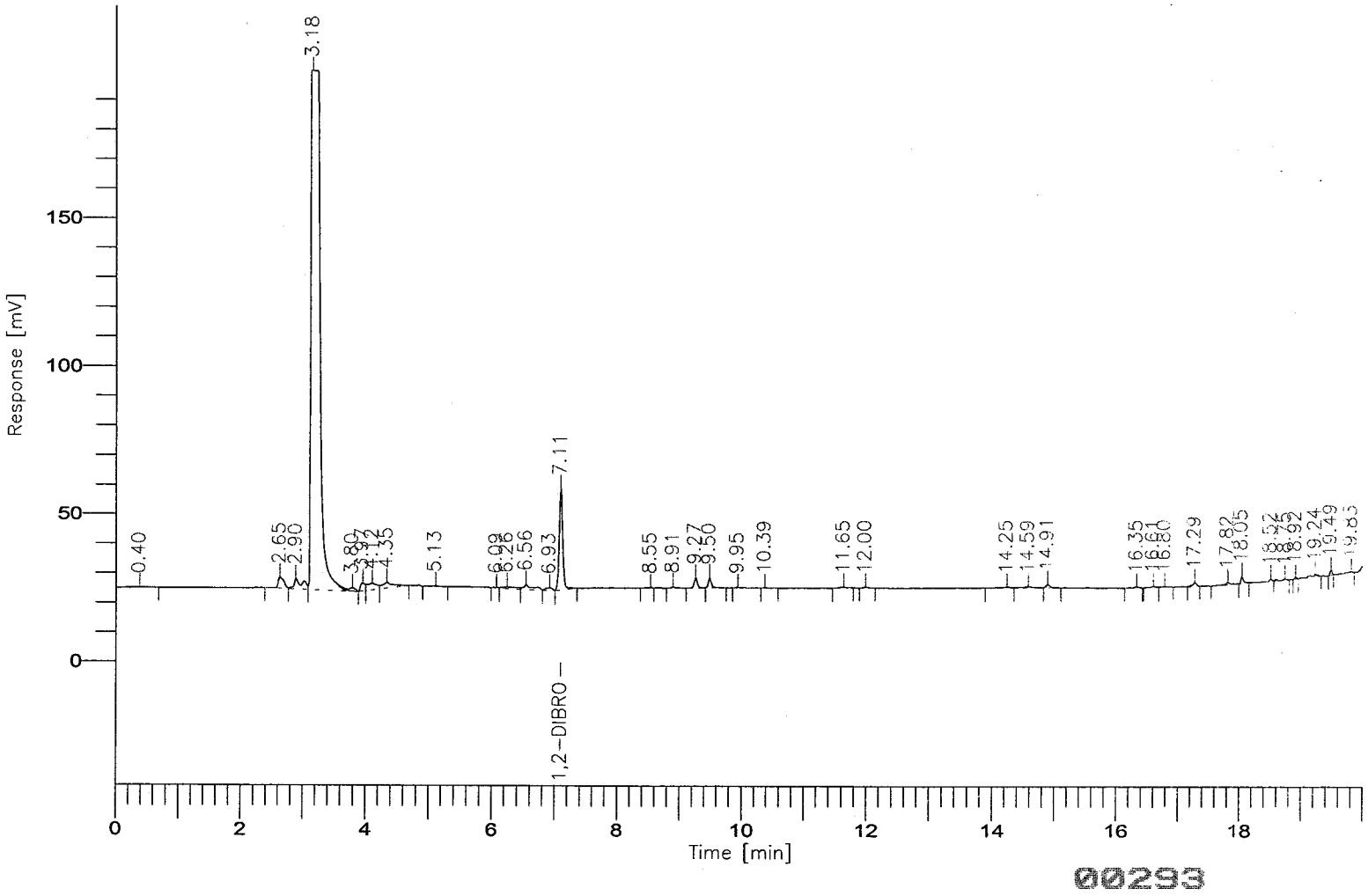
Software Version: 4.1<2F12>
Sample Name : 1208015-02 Time : 8/6/12 11:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG052.RAW
Result File : C:\TC4\158\AUG2012\BAUG052.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG052.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00293

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0102	35264.34	132829.50	35	2	0.58475
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			35264.34	132829.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG052.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106036

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208015-03
File ID: AAUG053-0
Sampled: 07/31/12 14:30
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 19:44
Solids:
Preparation: Method-Specific Extracti
Initial/Final: 35.1 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

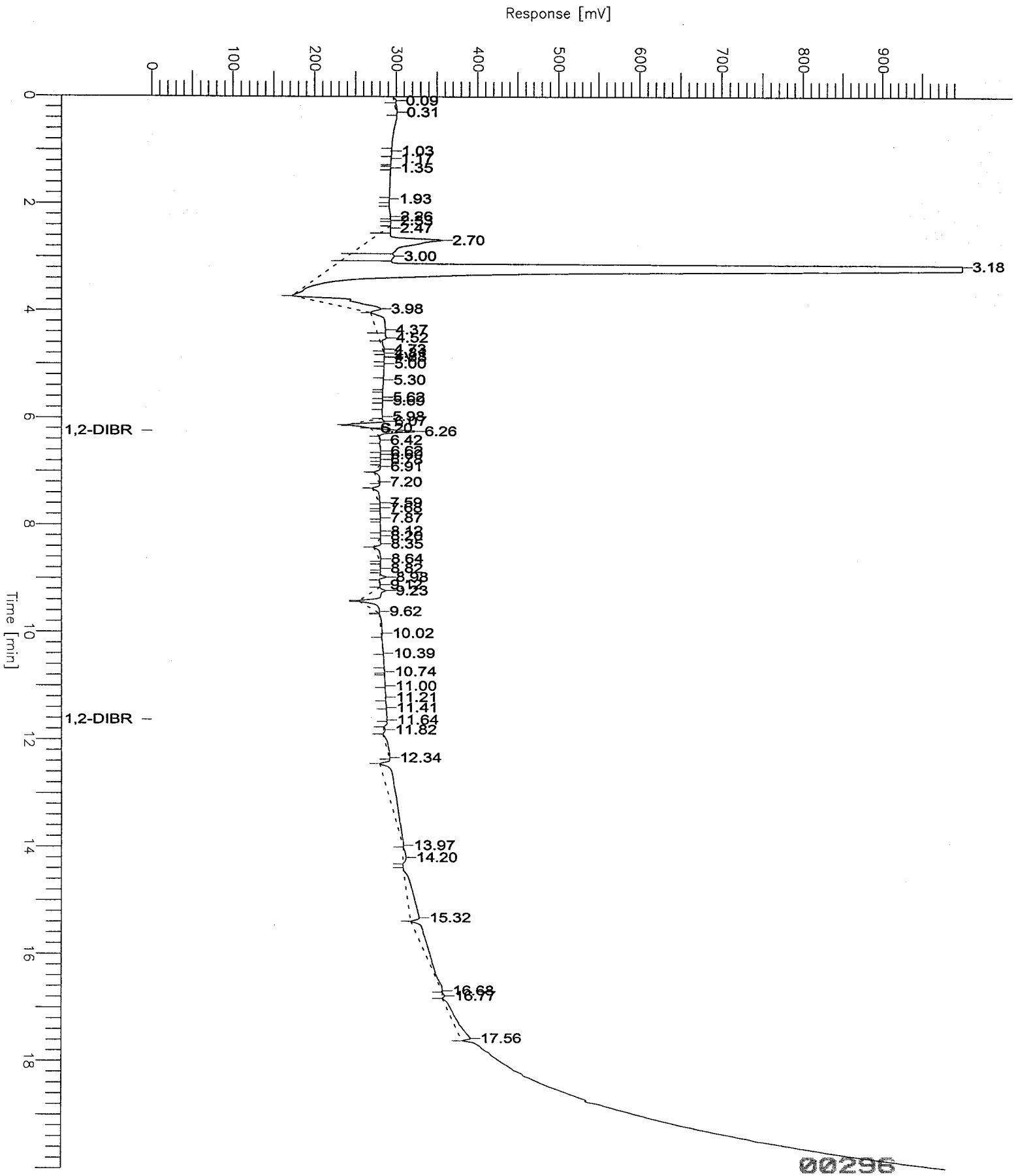
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.26	0.0088	0.050	

* Values outside of QC limits

Chromatogram

Sample Name : 1208015-03
FileName : C:\TC4\158\AUG2012\Aaug053.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 11:17
Time of Injection: 8/3/12 19:44
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00296

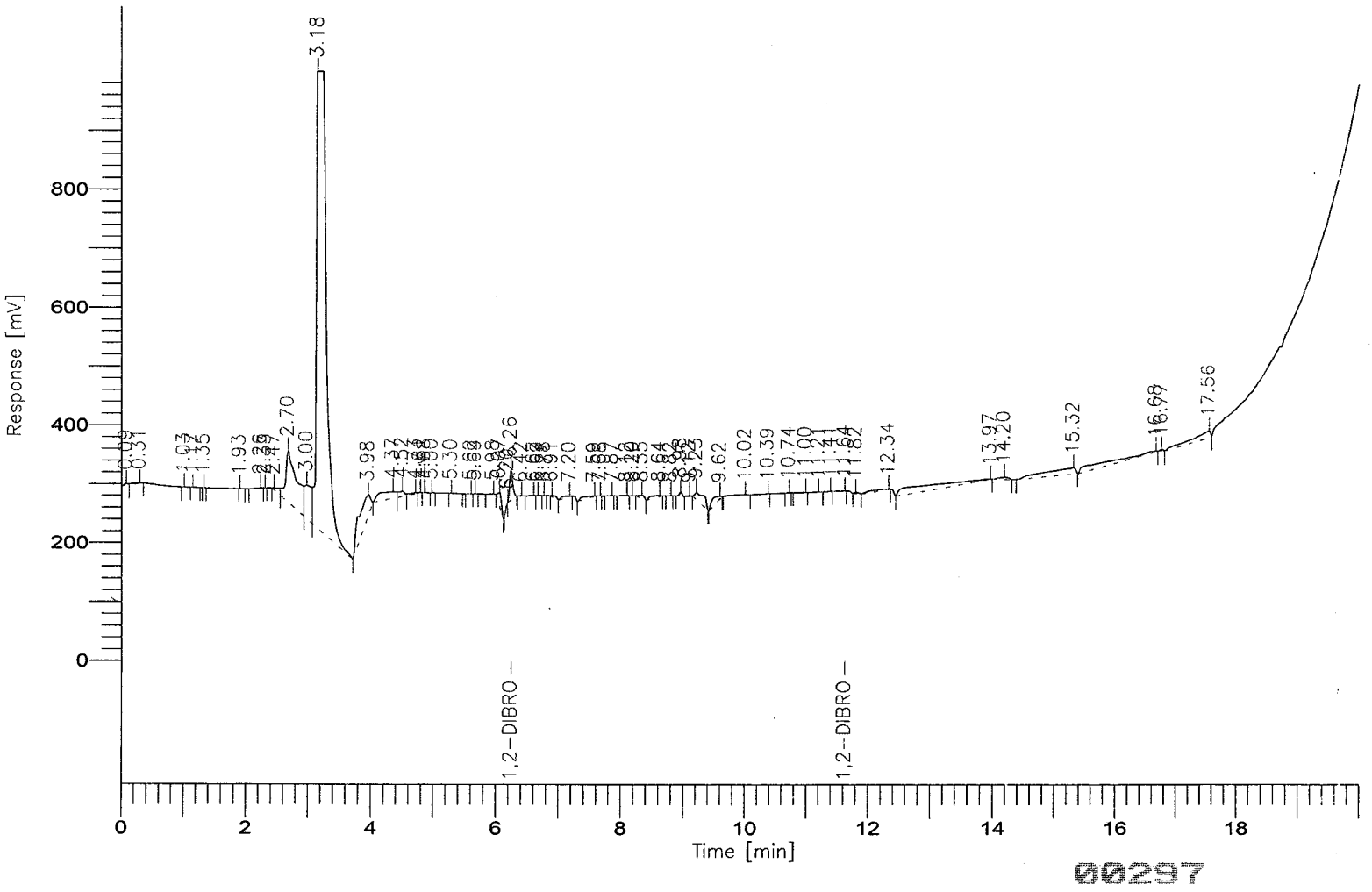
Software Version: 4.1<2F12>
Sample Name : 1208015-03 Time : 8/6/12 11:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 19:44
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG053.RAW
Result File : C:\TC4\158\AUG2012\AAUG053.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG053.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00297

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

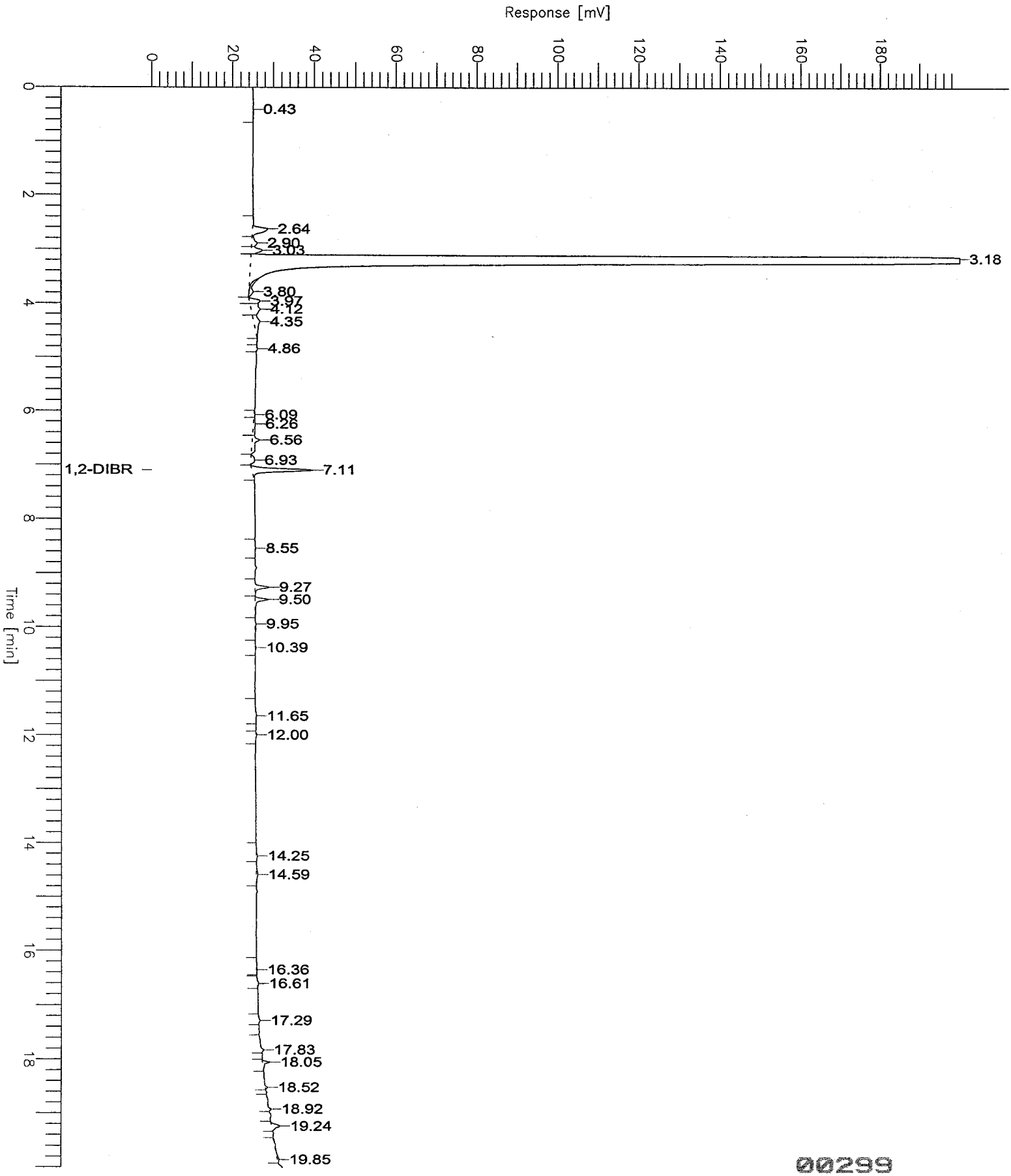
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0046	52855.21	191830.50	35	2	0.26131
11.64	1,2-DIBROMO3CHLOROPR	0.0000	255.00	2512.00	35	2	0.00093
			53110.21	194342.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG053.TX0

Chromatogram

Sample Name : 1208015-03
FileName : C:\TC4\158\AUG2012\Baug053.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 11:17
Time of Injection: 8/3/12 19:44
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00299

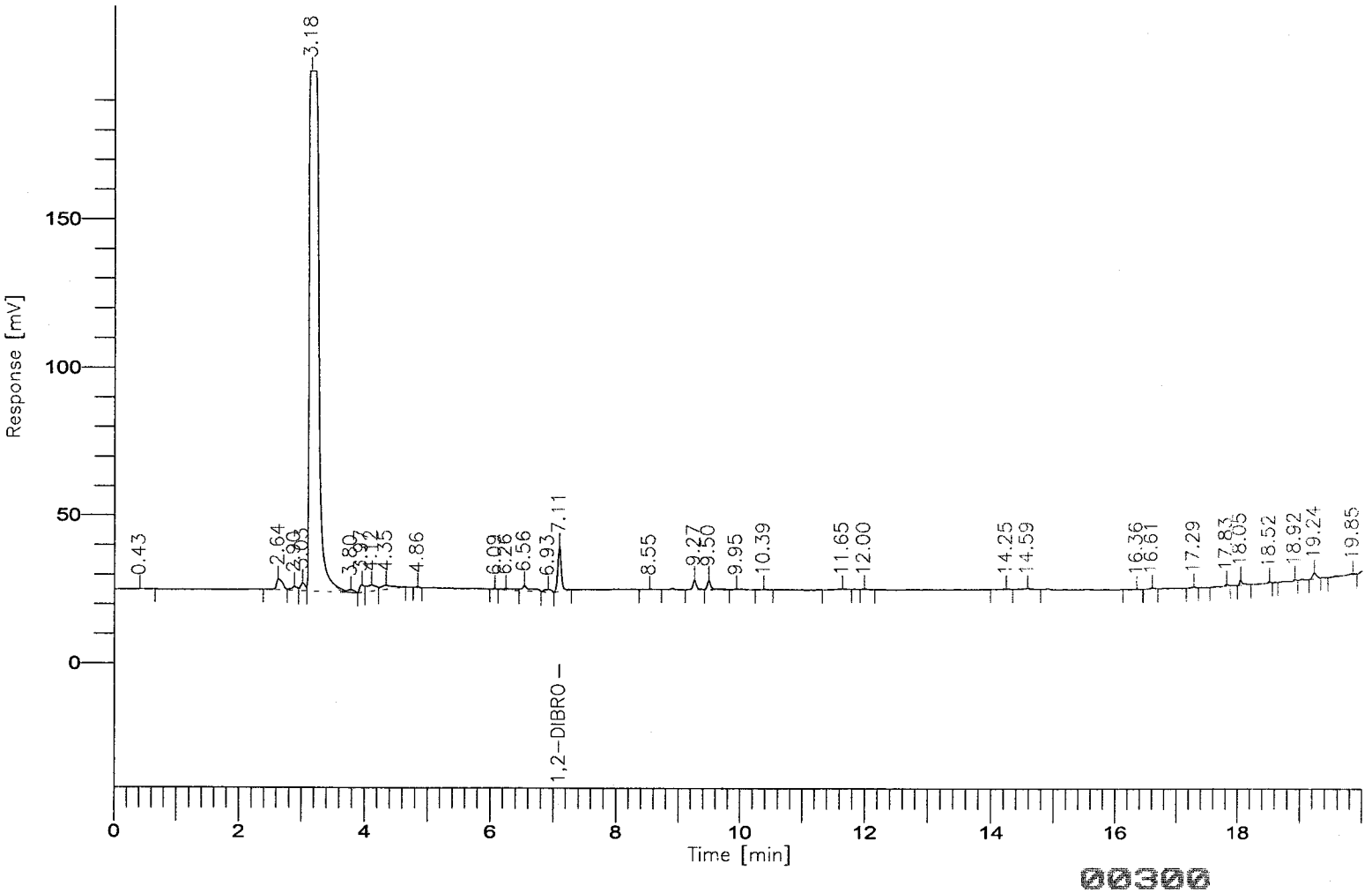
Software Version: 4.1<2F12>
Sample Name : 1208015-03 Time : 8/6/12 11:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 19:44
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG053.RAW
Result File : C:\TC4\158\AUG2012\BAUG053.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG053.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00300

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0042	15311.36	59576.00	35	2	0.24135
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			15311.36	59576.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG053.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106037

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208057-01 File ID: AAUG054-0

Sampled: 08/01/12 09:45 Prepared: 08/03/12 08:17 Analyzed: 08/03/12 20:14

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209449 Sequence: 2H06025 Calibration: 2H06011 Instrument: 158

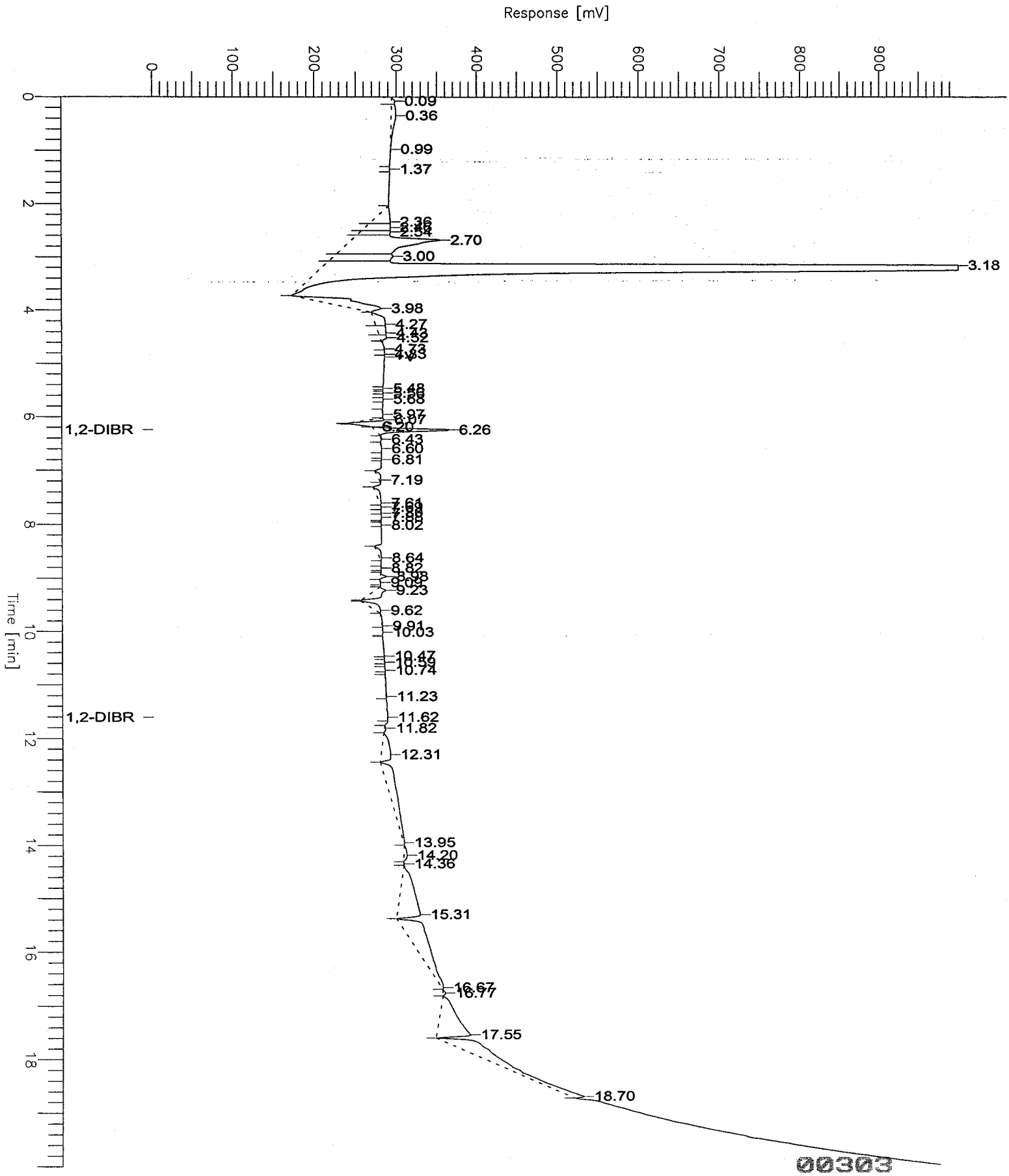
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.50	0.0088	0.050	

* Values outside of QC limits

Chromatogram

Sample Name : 1208057-01
FileName : C:\TC4\158\AUG2012\Aaug054.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:49
Time of Injection: 8/3/12 20:14
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00303

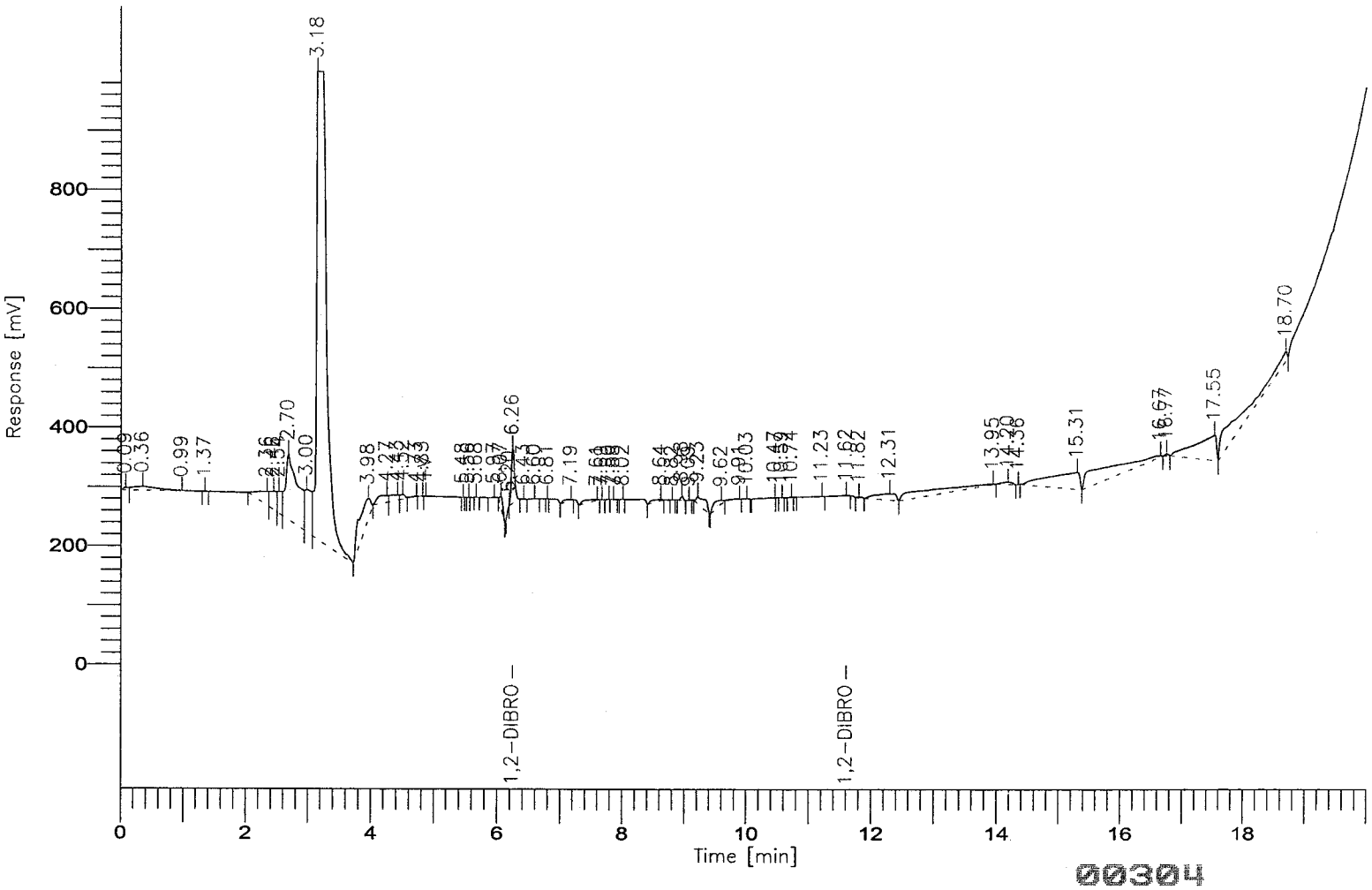
Software Version: 4.1<2F12>
Sample Name : 1208057-01 Time : 8/6/12 08:49
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 20:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG054.RAW
Result File : C:\TC4\158\AUG2012\AAUG054.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG054.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00304

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

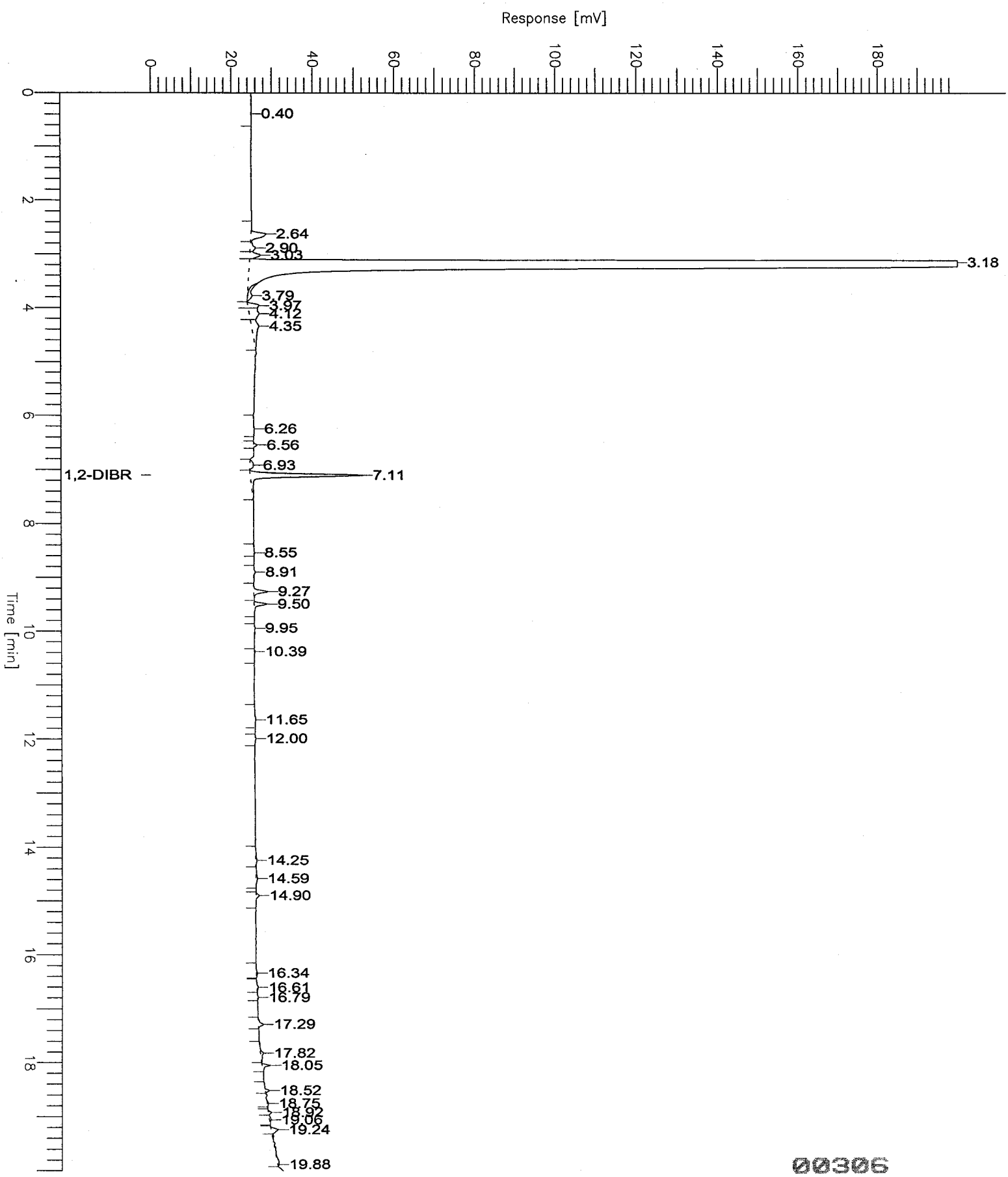
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0087	96688.20	343009.00	35	2	0.49468
11.62	1,2-DIBROMO3CHLOROPR	0.0000	618.78	10337.00	35	2	0.00227
			97306.98	353346.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG054.TX0

Chromatogram

Sample Name : 1208057-01
FileName : C:\TC4\158\AUG2012\Baug054.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:49
Time of Injection: 8/3/12 20:14
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00306

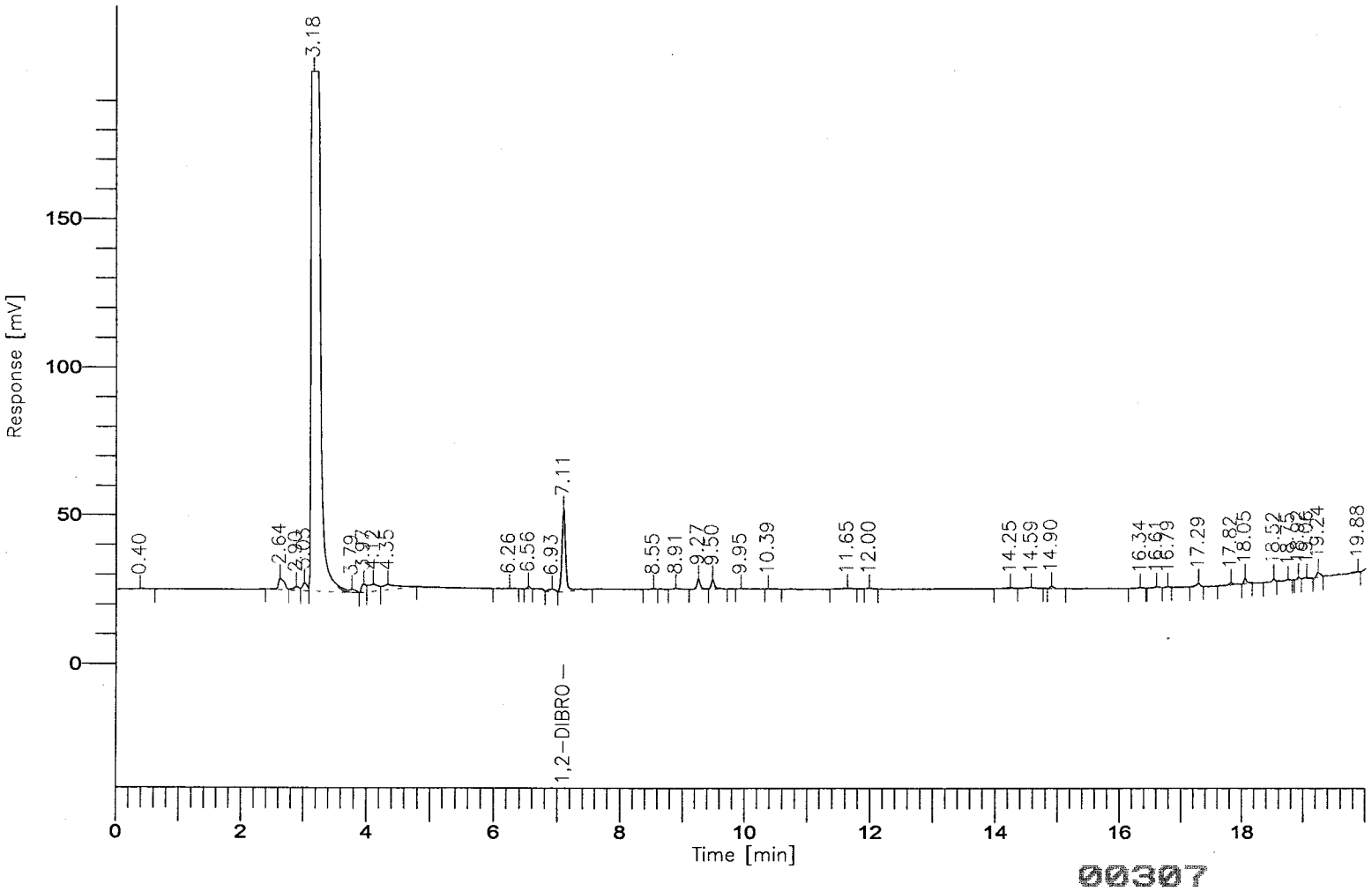
Software Version: 4.1<2F12>
Sample Name : 1208057-01 Time : 8/6/12 08:49
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 20:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG054.RAW
Result File : C:\TC4\158\AUG2012\BAUG054.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG054.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00307

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0081	28120.41	113715.00	35	2	0.46180
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			28120.41	113715.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG054.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106076

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208169-01 File ID: AAUG243-0

Sampled: 08/07/12 10:50 Prepared: 08/16/12 08:52 Analyzed: 08/17/12 10:56

Solids: Preparation: Method-Specific Extracti Initial/Final: 35.1 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17035 Calibration: 2H17010 Instrument: 158

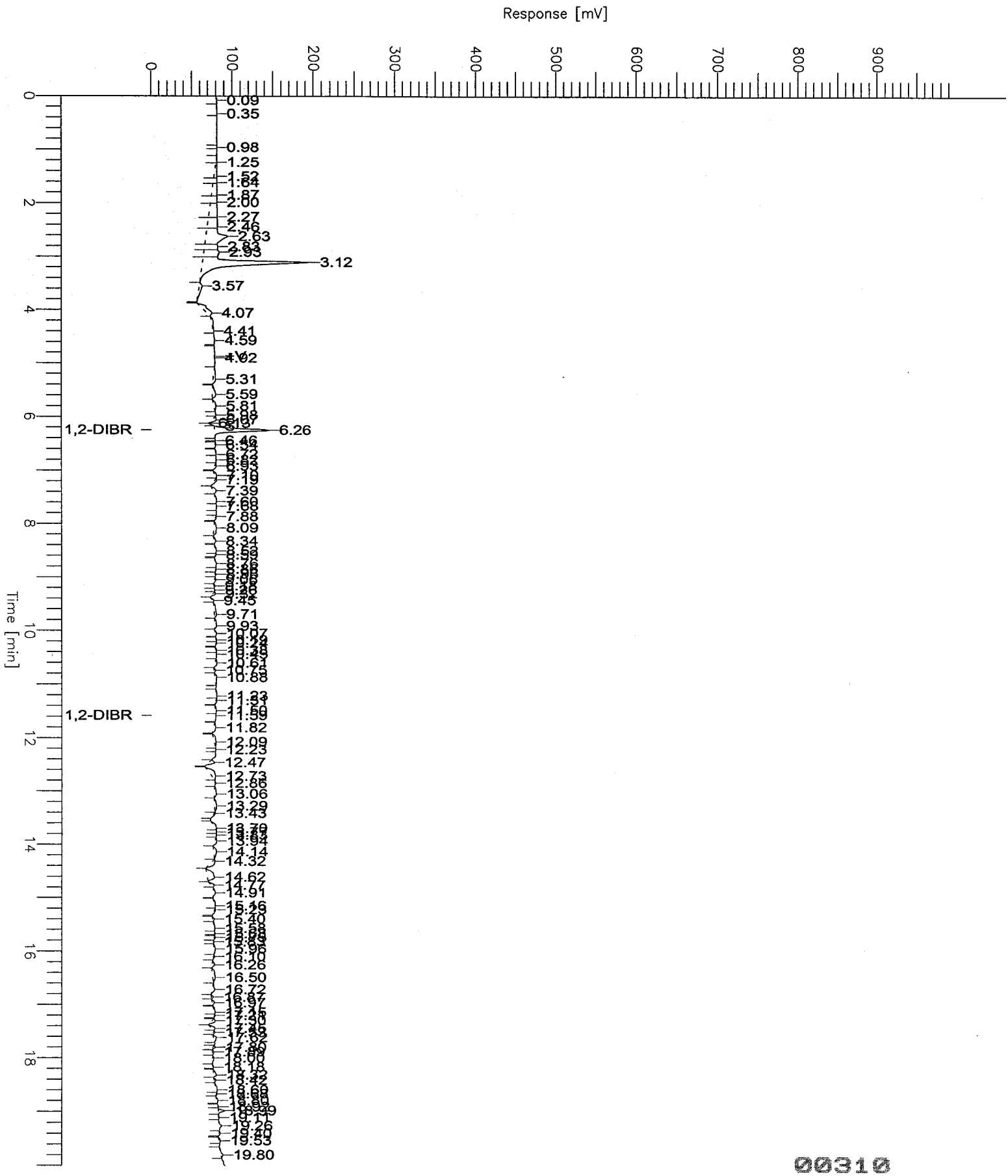
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1000	310	8.8	50	

* Values outside of QC limits

Chromatogram

Sample Name : 1208169-01
FileName : C:\TC4\158\AUG2012\Aaug243.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 1000X Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 10:56
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00310

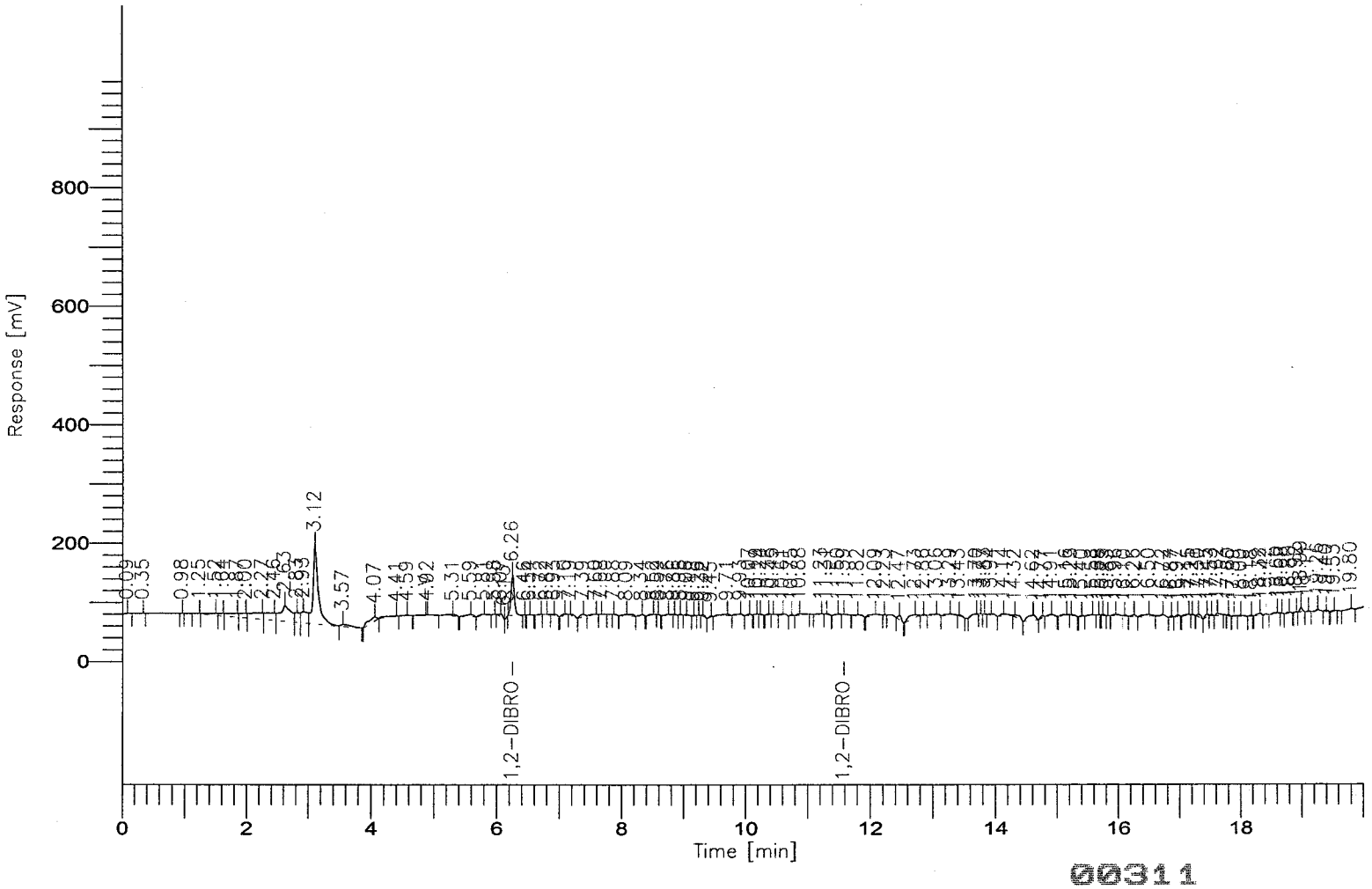
Software Version: 4.1<2F12>
Sample Name : 1208169-01 Time : 8/17/12 11:24
Sample Number: 1000X Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 10:56
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG243.RAW
Result File : C:\TC4\158\AUG2012\AAUG243.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\AAUG243.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1000.00



00311

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

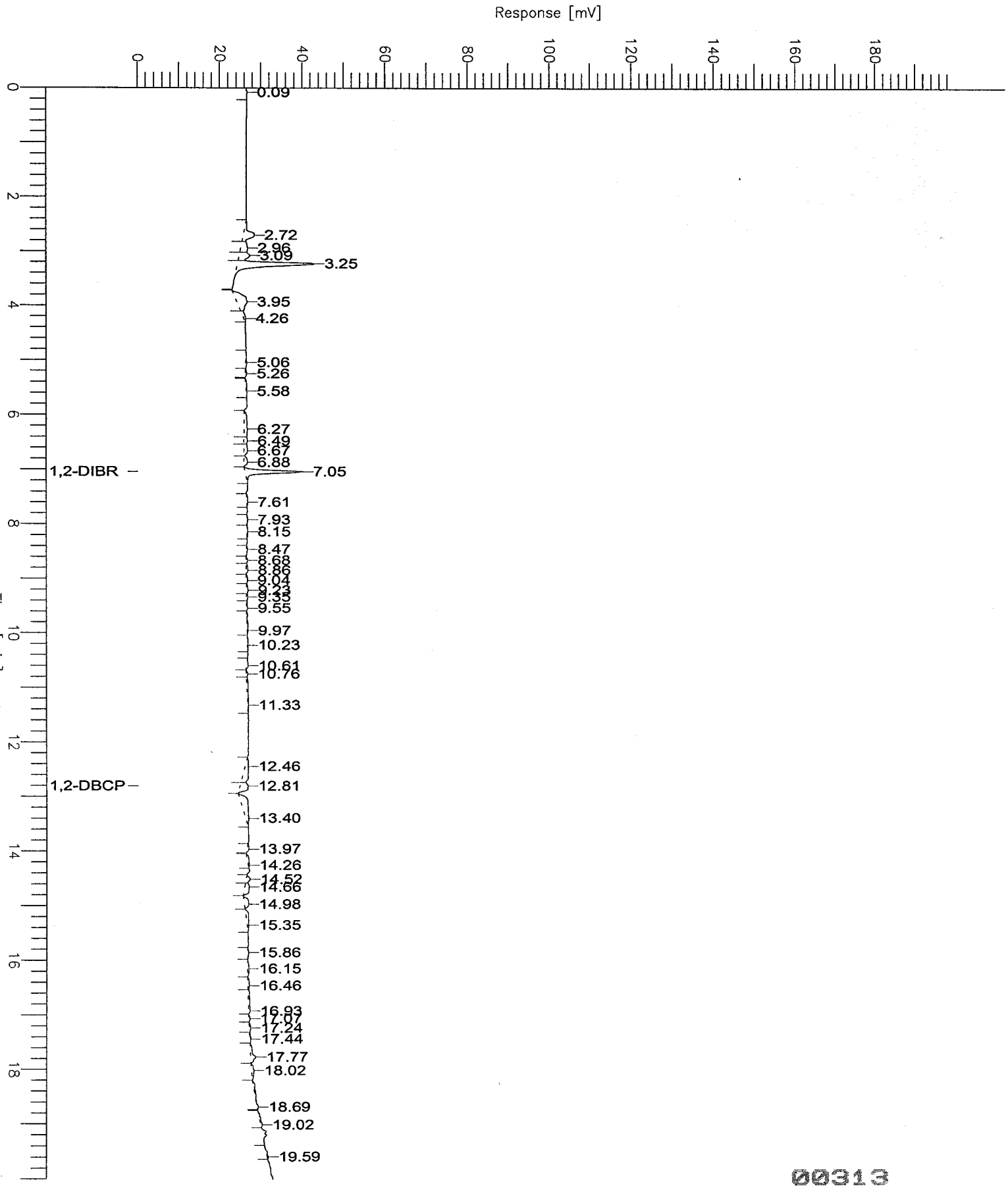
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0055	68386.42	249022.00	35	2	3.14e+02
11.59	1,2-DIBROMO3CHLOROPR	-0.0003	465.32	2872.00	35	2	-1.9e+01
			68851.74	251894.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG243.TX0

Chromatogram

Sample Name : 1208169-01
FileName : C:\TC4\158\AUG2012\Baug243.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 1000X Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 10:56
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00313

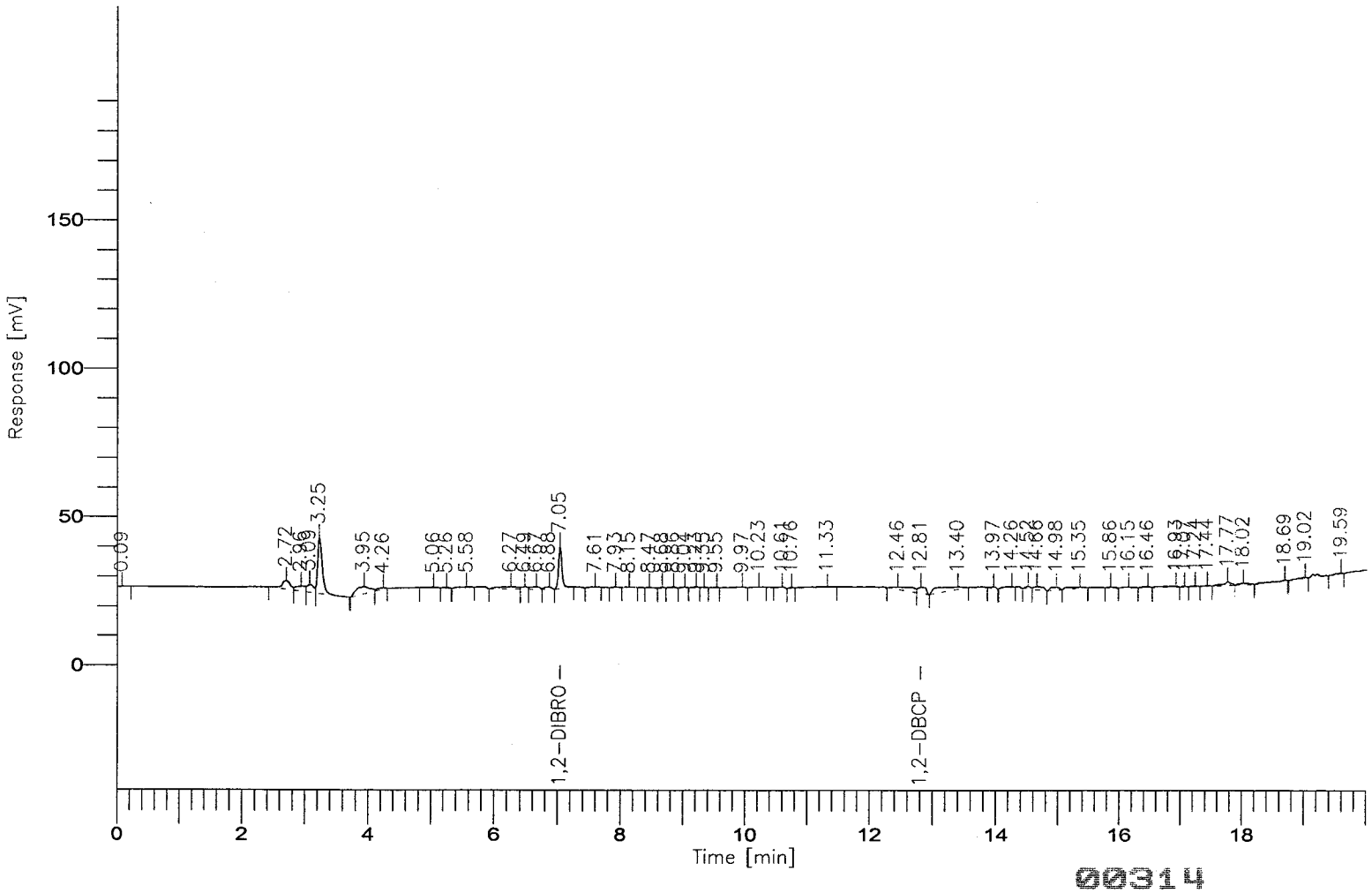
Software Version: 4.1<2F12>
Sample Name : 1208169-01 Time : 8/17/12 11:24
Sample Number: 1000X Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 10:56
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG243.RAW
Result File : C:\TC4\158\AUG2012\BAUG243.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\BAUG243.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1000.00



00314

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.05	1,2-DIBROMOETHANE (2	0.0074	14241.59	53780.00	35	2	4.24e+02
12.81	1,2-DBCP (2C)	0.0008	1944.64	17174.40	35	2	45.34662
			16186.23	70954.40			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG243.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

1064

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208169-02 File ID: AAUG232-0

Sampled: 08/07/12 15:05 Prepared: 08/16/12 08:52 Analyzed: 08/16/12 18:47

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17033 Calibration: 2H17010 Instrument: 158

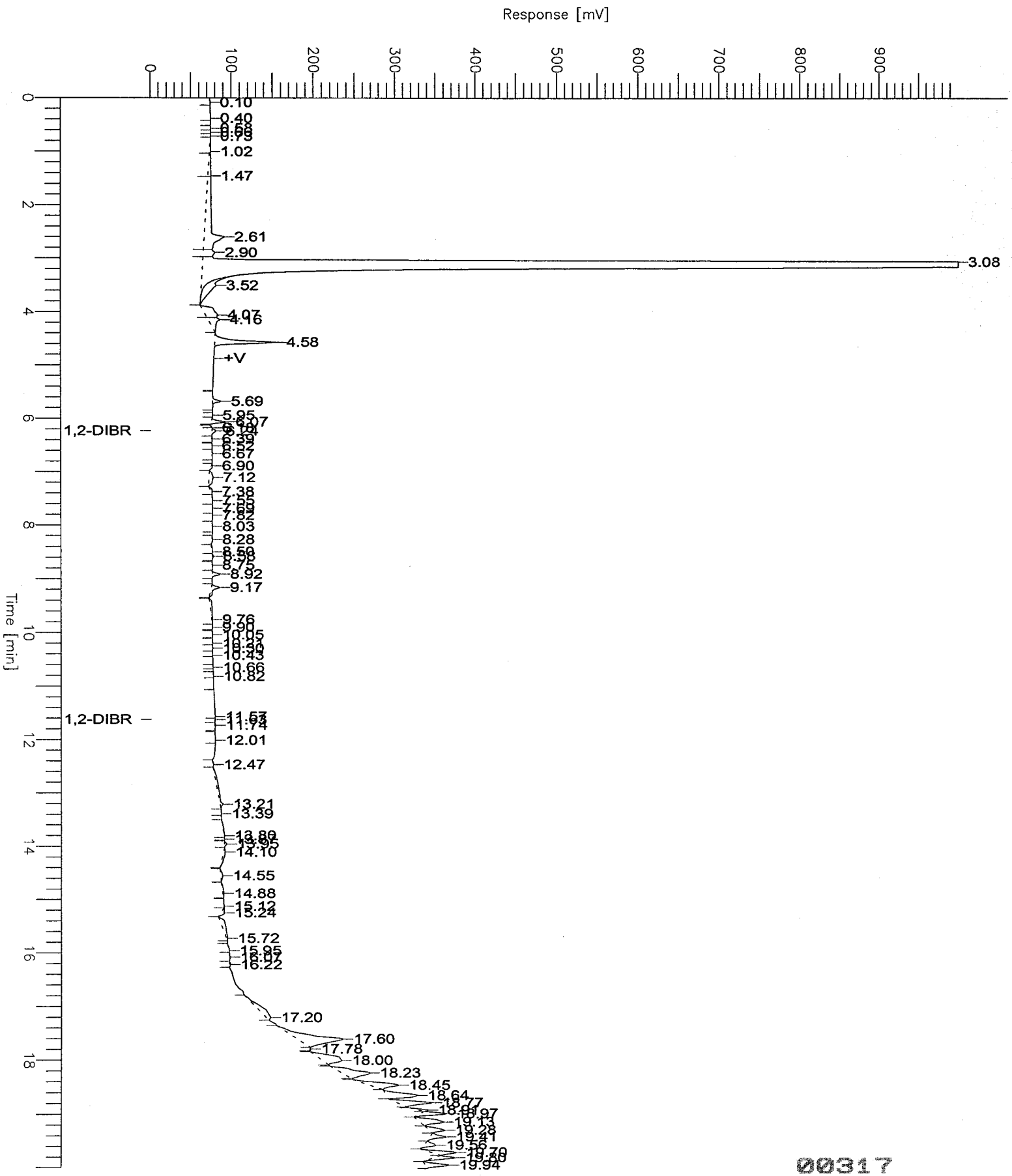
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1208169-02
FileName : C:\TC4\158\AUG2012\Aaug232.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 18:47
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00317

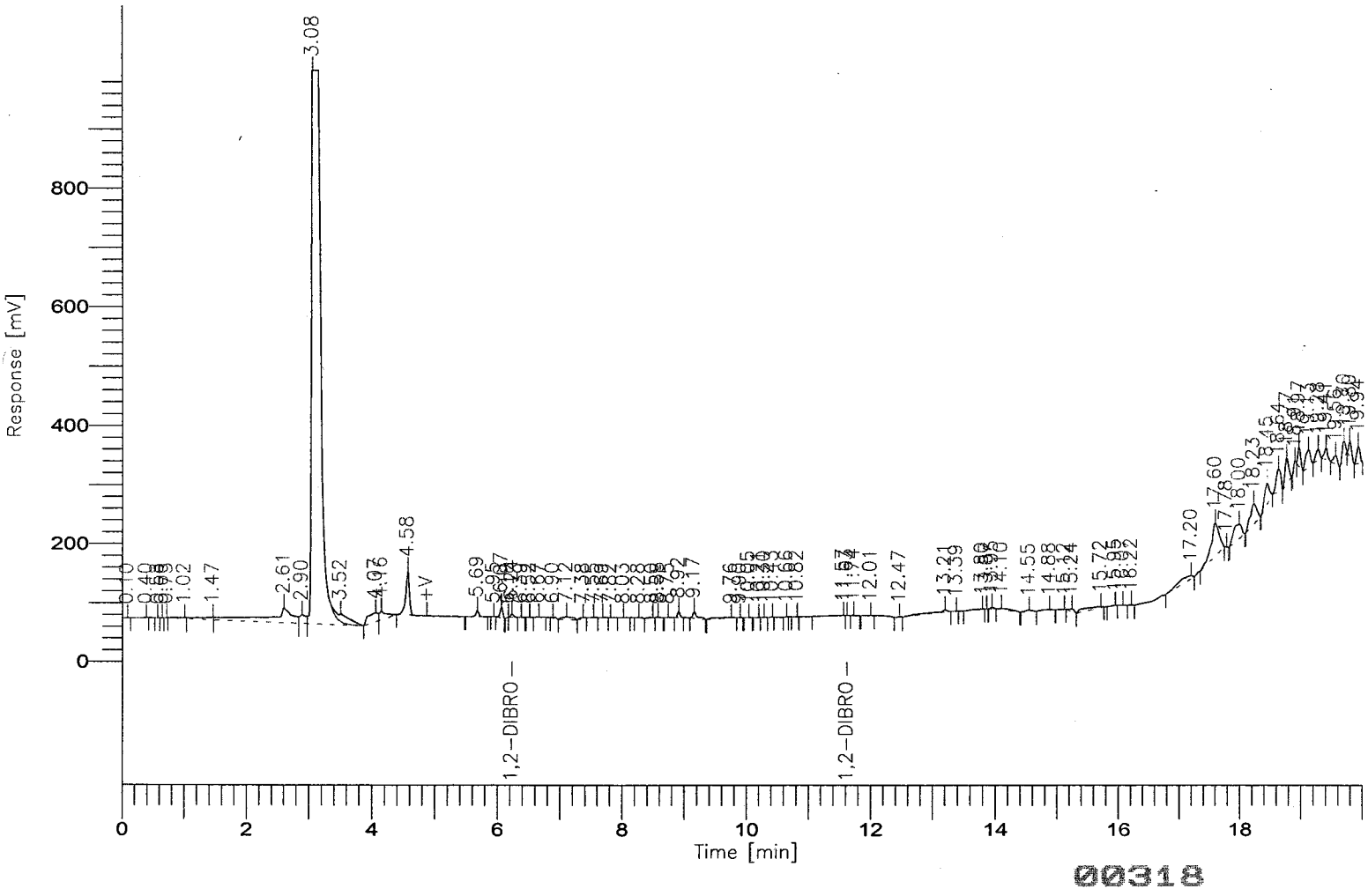
Software Version: 4.1<2F12>
Sample Name : 1208169-02 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG232.RAW
Result File : C:\TC4\158\AUG2012\AAUG232.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG232.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

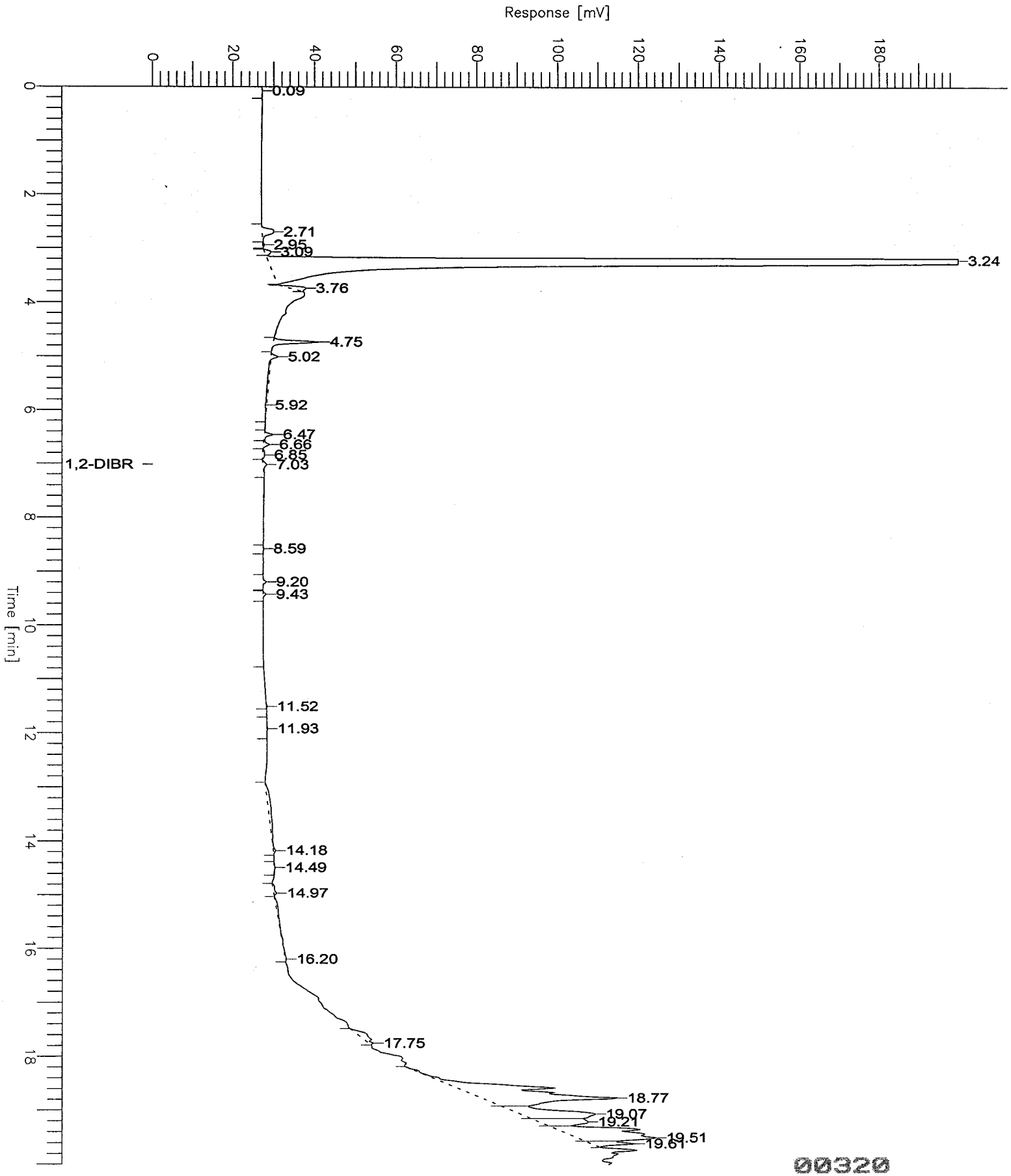
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.24	1,2-DIBROMOETHANE	0.0000	5143.42	17453.00	35	2	0.00159	<MDL
11.63	1,2-DIBROMO3CHLOROPR	-0.0003	240.28	508.50	35	2	-0.01948	
			5383.70	17961.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG232.TX0

Chromatogram

Sample Name : 1208169-02
FileName : C:\TC4\158\AUG2012\Baug232.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 18:47
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00320

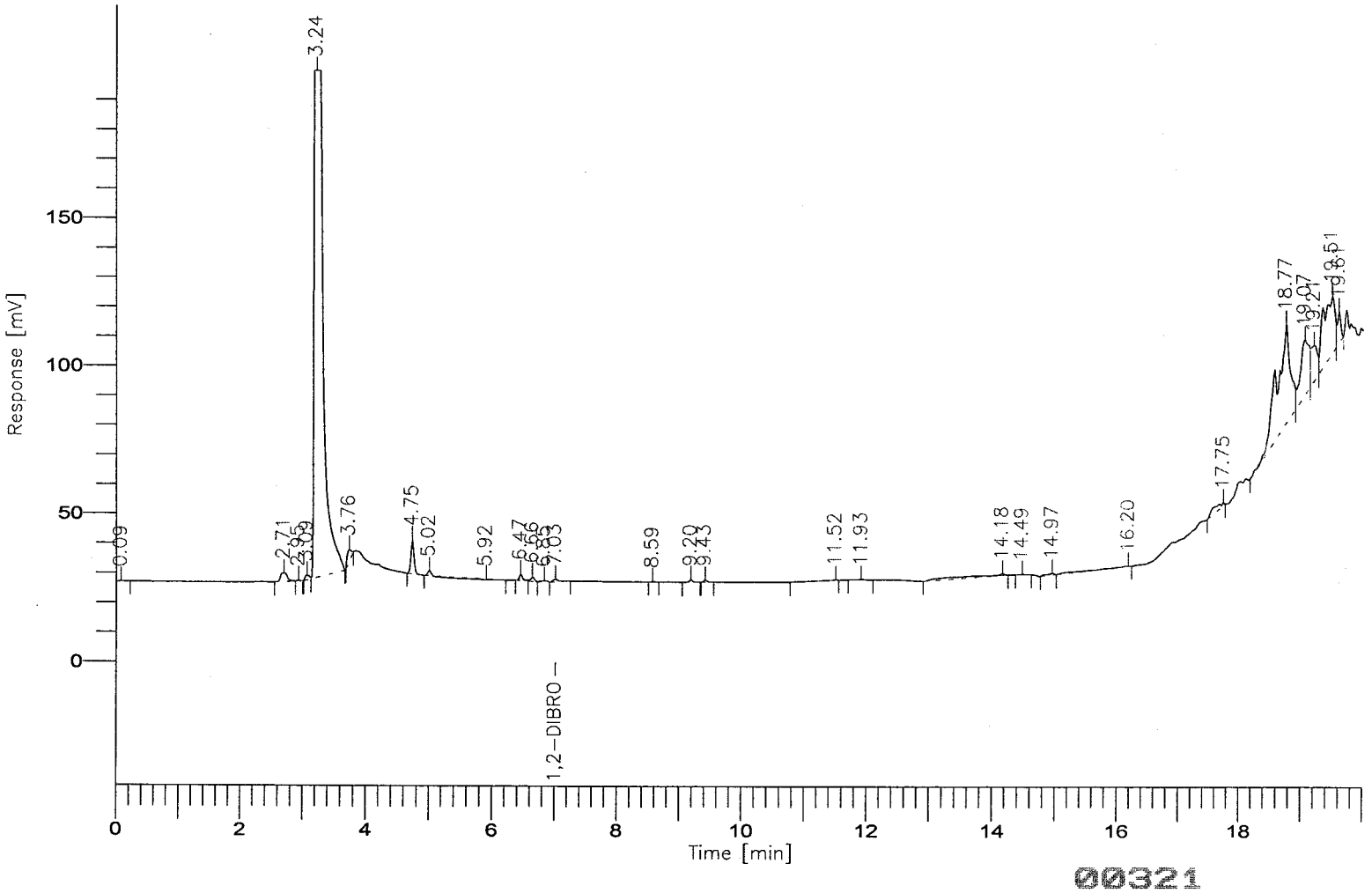
Software Version: 4.1<2F12>
Sample Name : 1208169-02 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG232.RAW
Result File : C:\TC4\158\AUG2012\BAUG232.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG232.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00321

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	0.0001	1009.84	6745.00	35	2	0.00359	<MDL
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			1009.84	6745.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG232.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106100

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208170-01 File ID: AAUG234-0

Sampled: 08/07/12 10:30 Prepared: 08/16/12 08:52 Analyzed: 08/16/12 19:44

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17033 Calibration: 2H17010 Instrument: 158

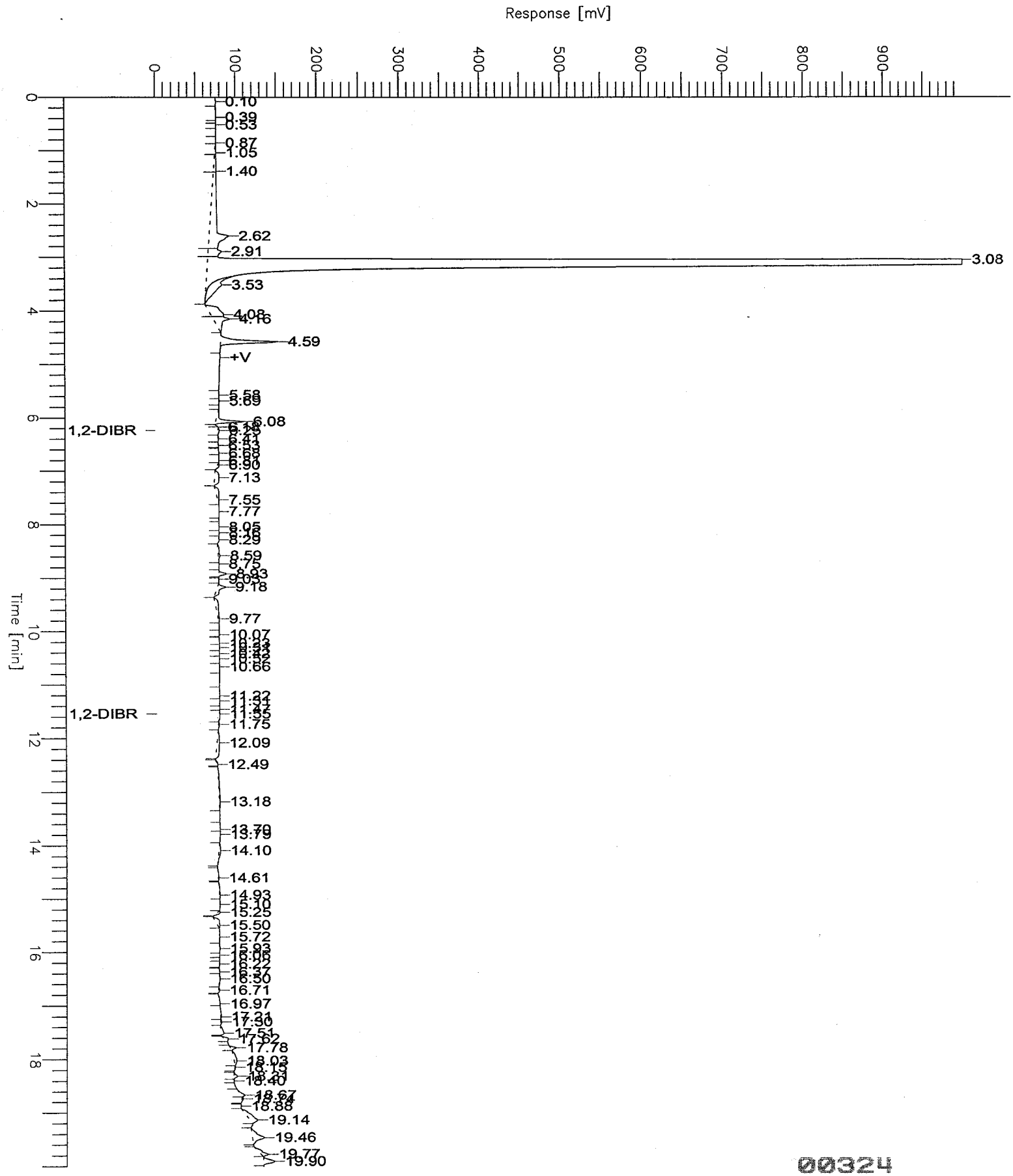
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1208170-01
FileName : C:\TC4\158\AUG2012\Aaug234.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 19:44
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



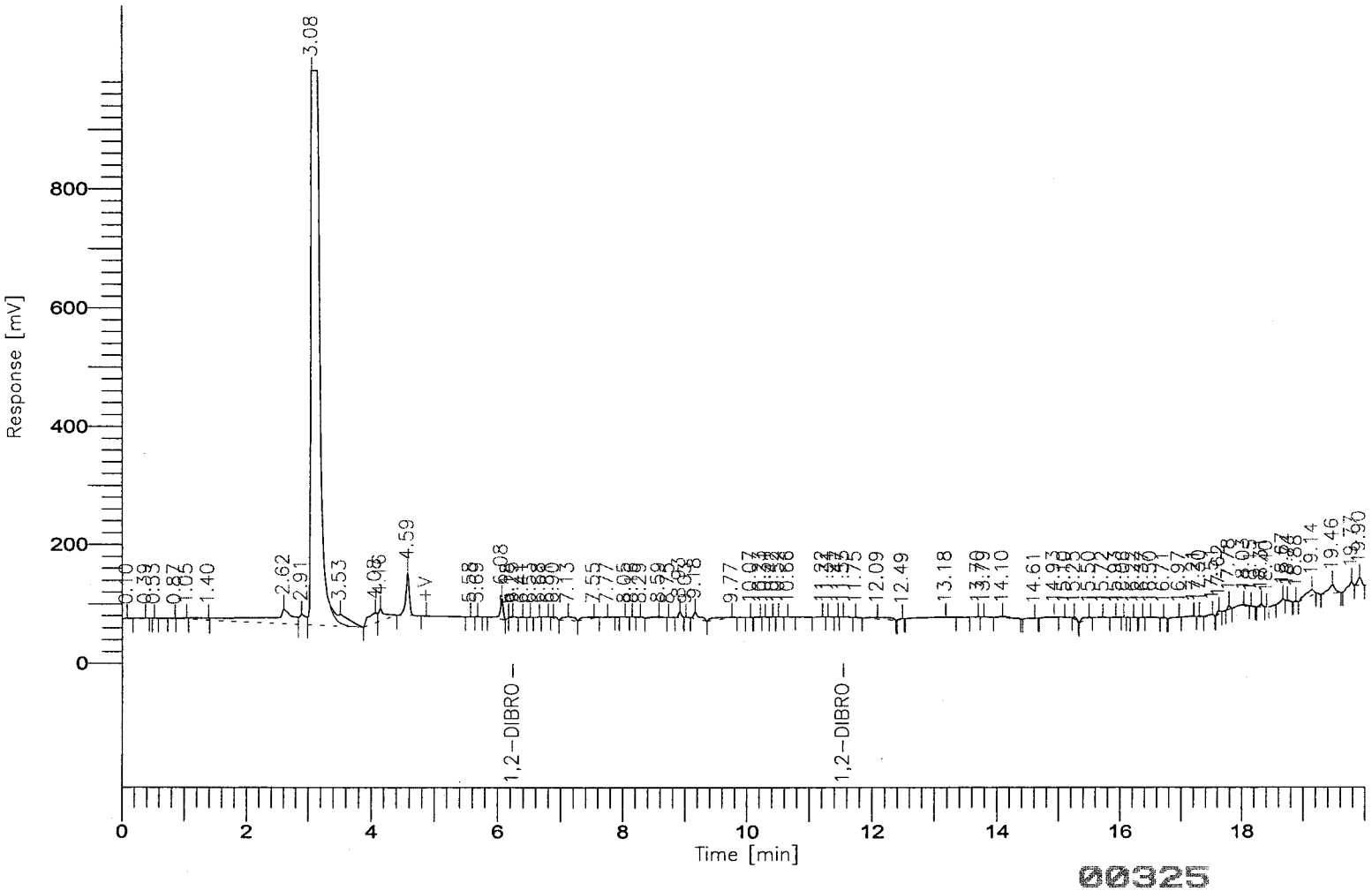
Software Version: 4.1<2F12>
Sample Name : 1208170-01 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 19:44
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG234.RAW
Result File : C:\TC4\158\AUG2012\AAUG234.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG234.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00325

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

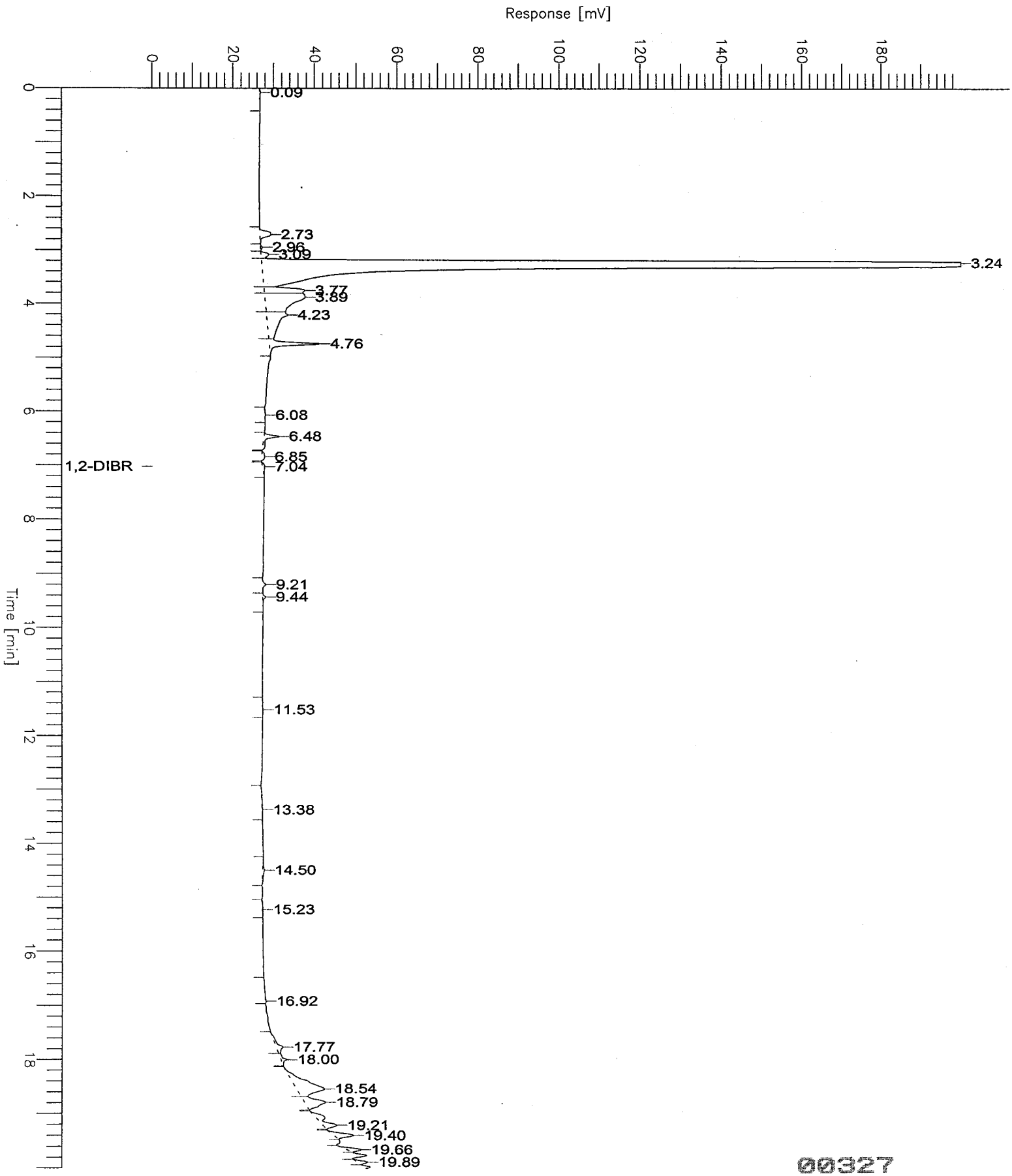
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	-0.0003	1647.84	7273.50	35	2	-0.01572	<MDL
11.55	1,2-DIBROMO3CHLOROPR	-0.0003	526.18	6018.00	35	2	-0.01864	↓
			2174.02	13291.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG234.TX0

Chromatogram

Sample Name : 1208170-01
FileName : C:\TC4\158\AUG2012\Baug234.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 19:44
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00327

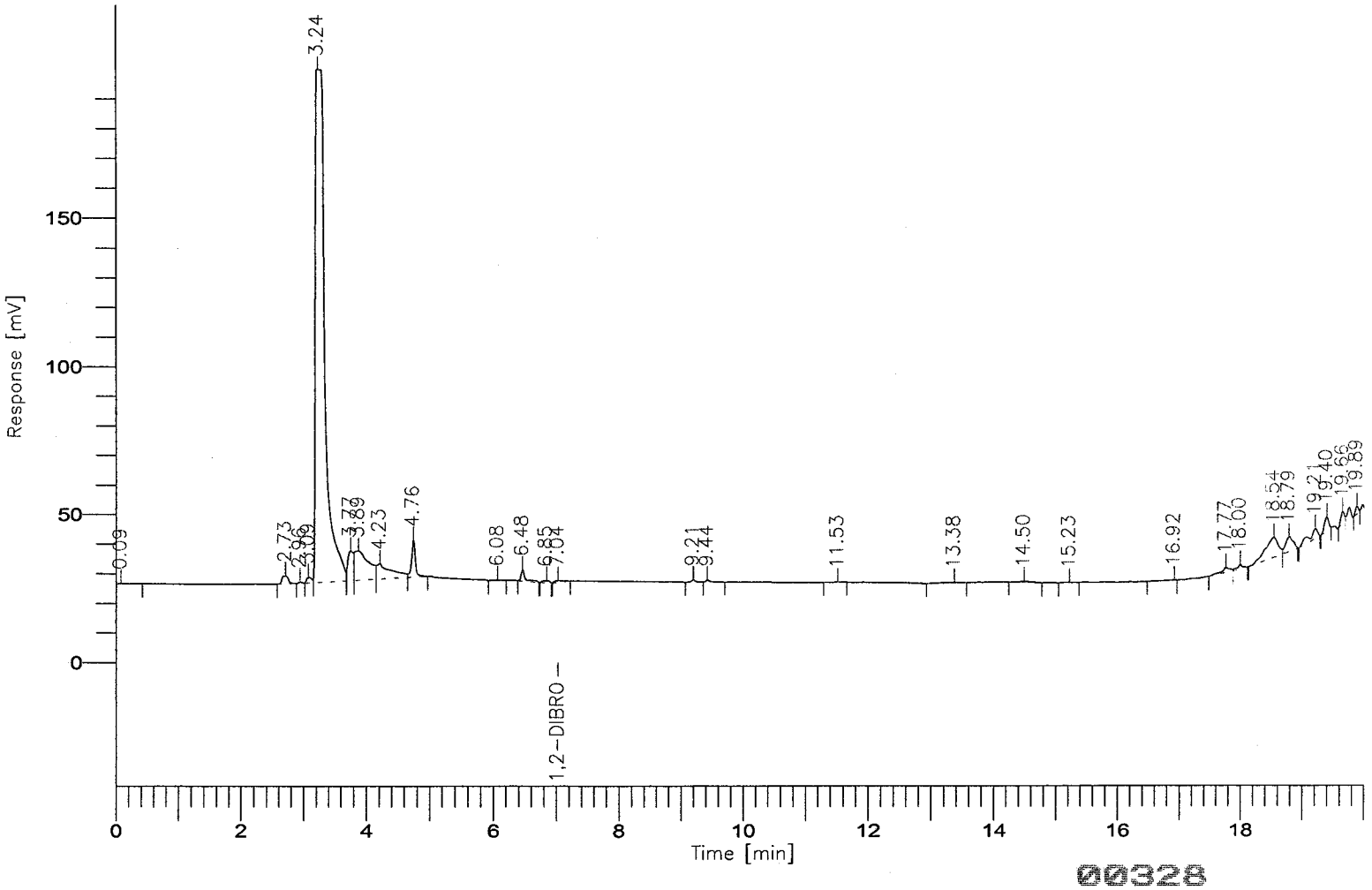
Software Version: 4.1<2F12>
Sample Name : 1208170-01 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 19:44
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG234.RAW
Result File : C:\TC4\158\AUG2012\BAUG234.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG234.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00328

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.04	1,2-DIBROMOETHANE (2	-0.0002	590.13	5607.00	35	2	-0.00978	<MDL
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			590.13	5607.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG234.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106099

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208170-02 File ID: AAUG235-0

Sampled: 08/07/12 13:00 Prepared: 08/16/12 08:52 Analyzed: 08/16/12 20:13

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17033 Calibration: 2H17010 Instrument: 158

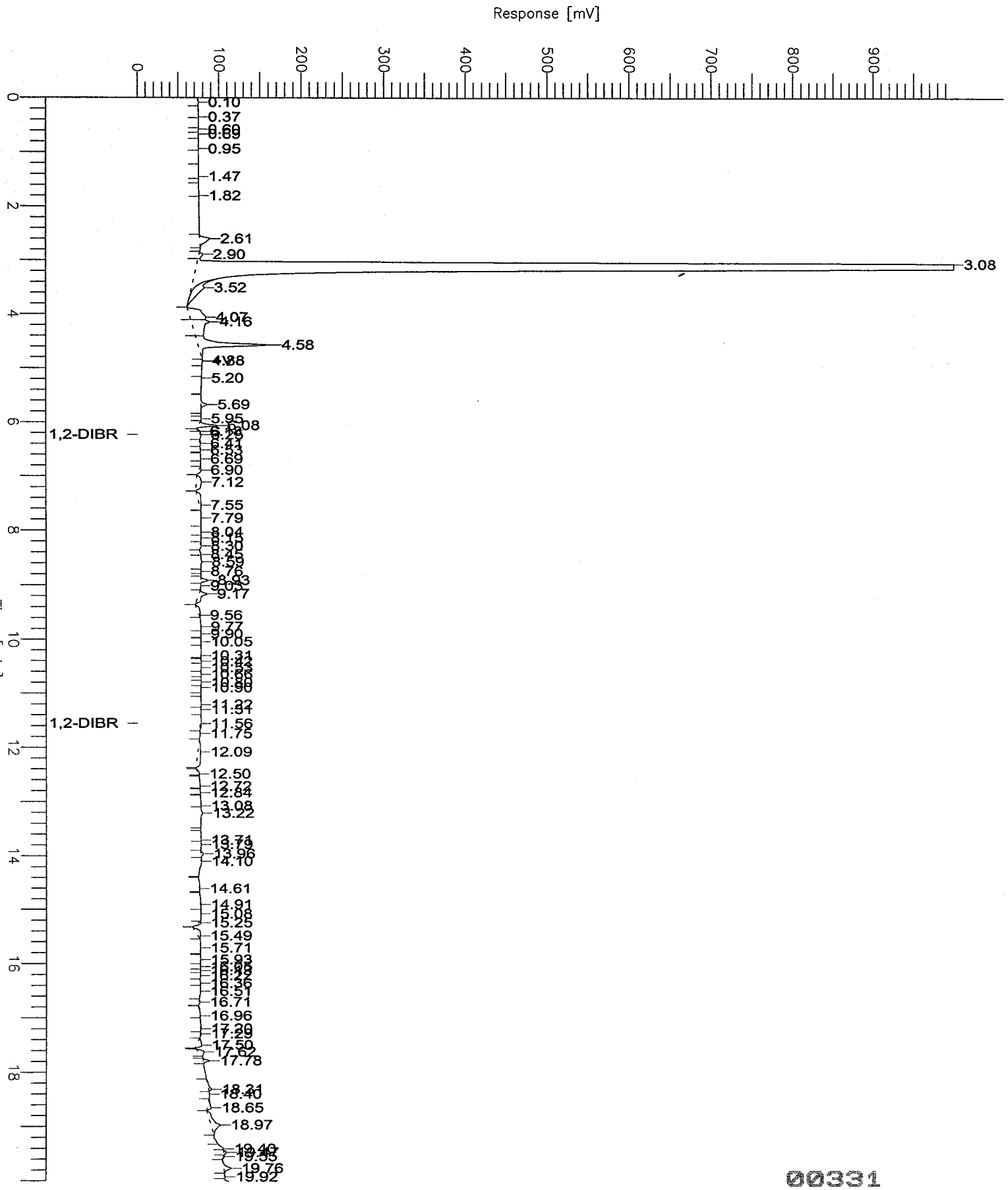
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1208170-02
FileName : C:\TC4\158\AUG2012\Aaug235.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 20:13
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00331

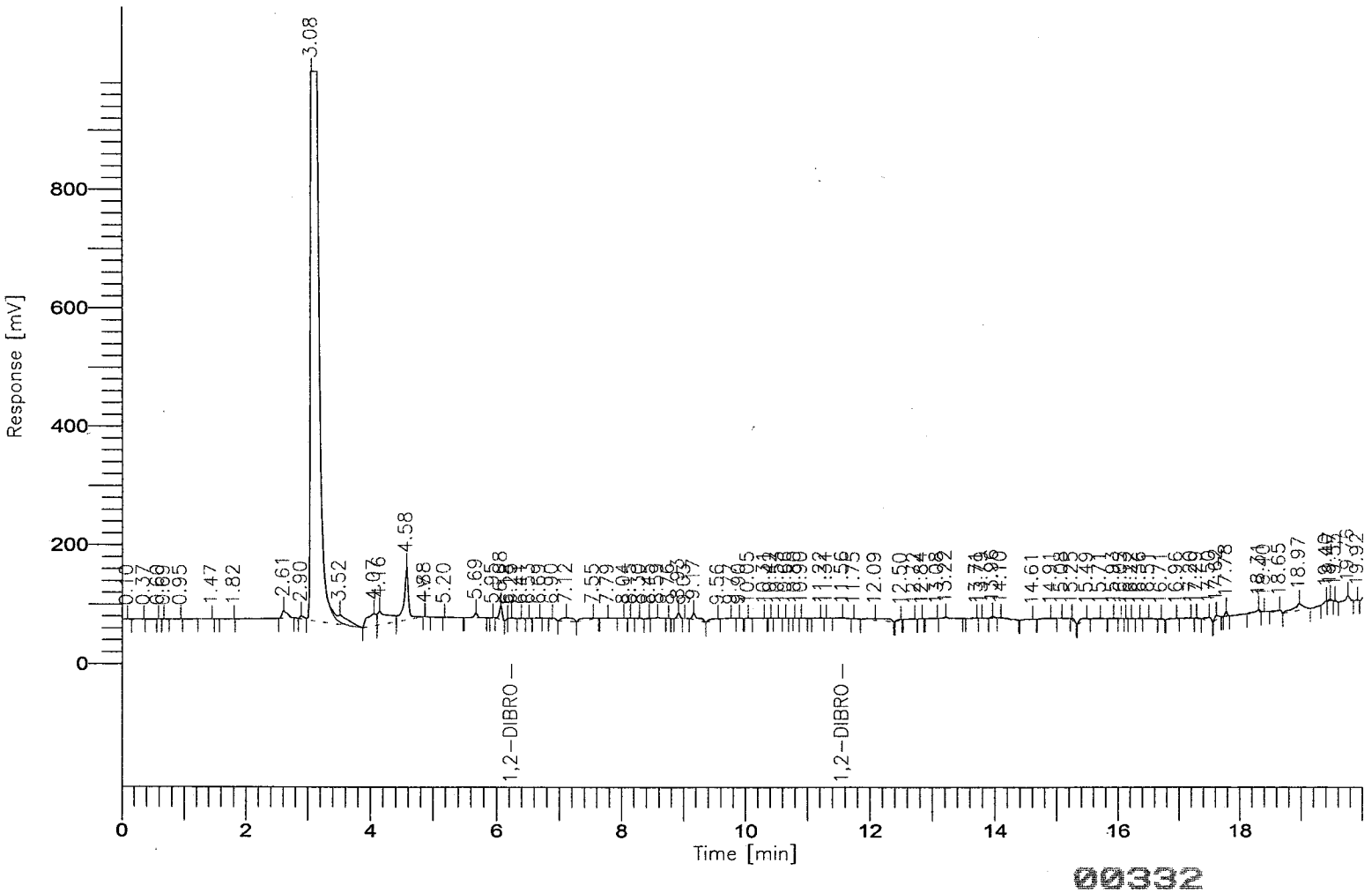
Software Version: 4.1<2F12>
Sample Name : 1208170-02 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 20:13
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG235.RAW
Result File : C:\TC4\158\AUG2012\AAUG235.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG235.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00332

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

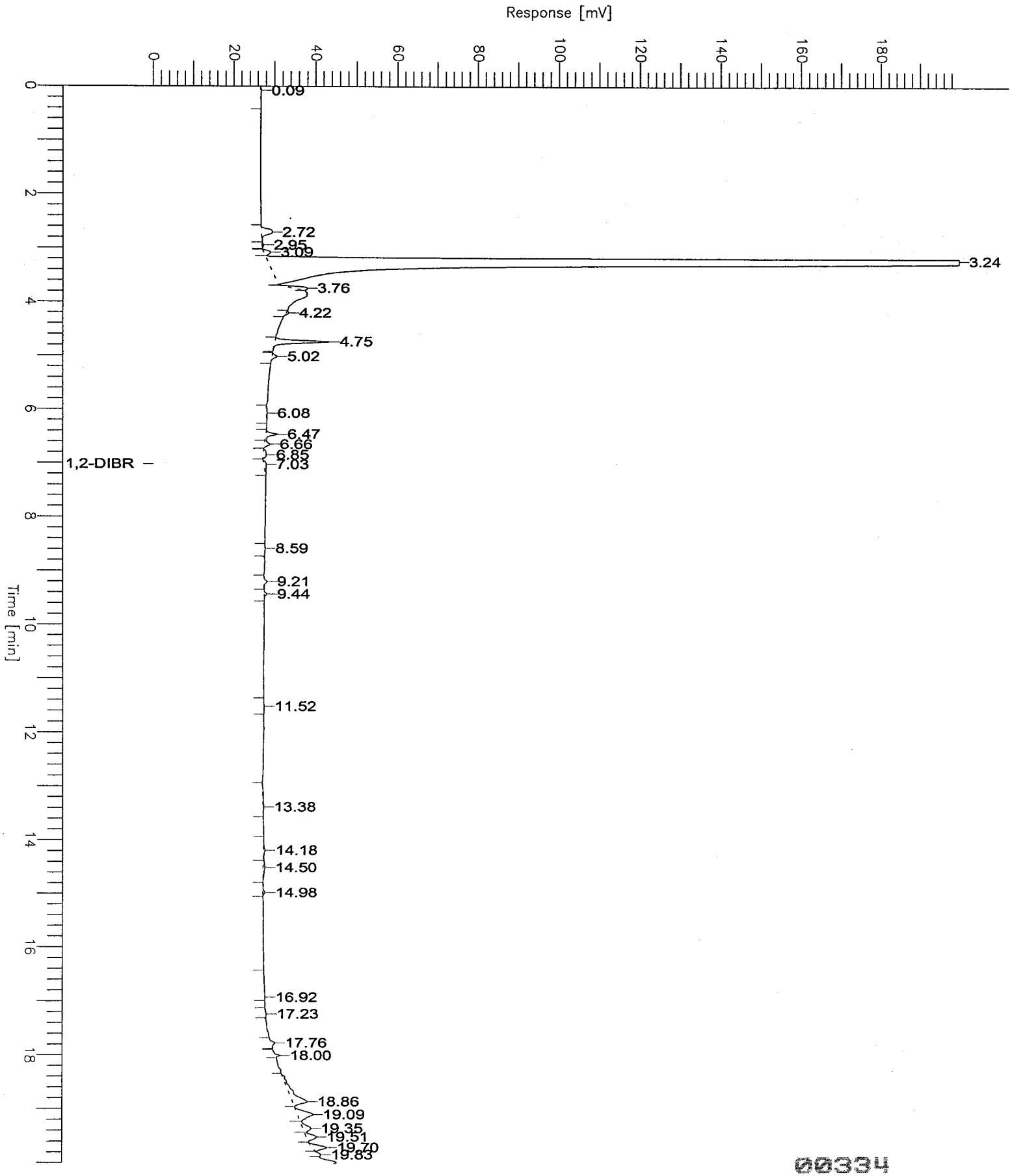
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	-0.0003	1274.29	6020.00	35	2	-0.01757	<MDL
11.56	1,2-DIBROMO3CHLOROPR	-0.0003	926.87	10576.00	35	2	-0.01747	
			2201.17	16596.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG235.TX0

Chromatogram

Sample Name : 1208170-02
FileName : C:\TC4\158\AUG2012\Baug235.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 20:13
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00334

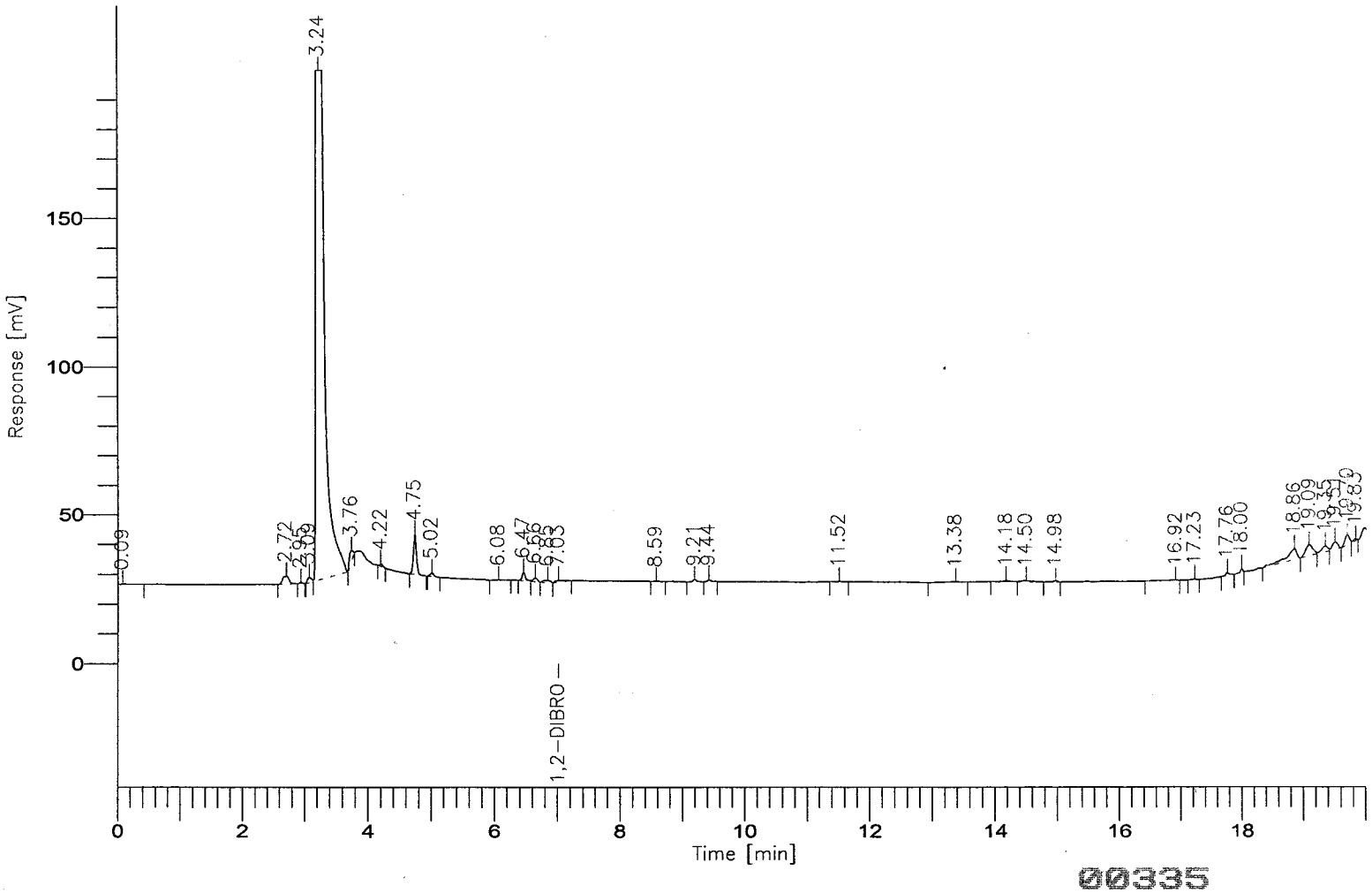
Software Version: 4.1<2F12>
Sample Name : 1208170-02 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 20:13
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG235.RAW
Result File : C:\TC4\158\AUG2012\BAUG235.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG235.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00335

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	-0.0002	552.70	5687.00	35	2	-0.01098	< MDL
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			552.70	5687.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG235.TX0

ORGANIC ANALYSIS DATA SHEET
USEPA-8011

106066

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208192-01 File ID: AAUG236-0

Sampled: 08/08/12 11:32 Prepared: 08/16/12 08:52 Analyzed: 08/16/12 20:42

Solids: Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17033 Calibration: 2H17010 Instrument: 158

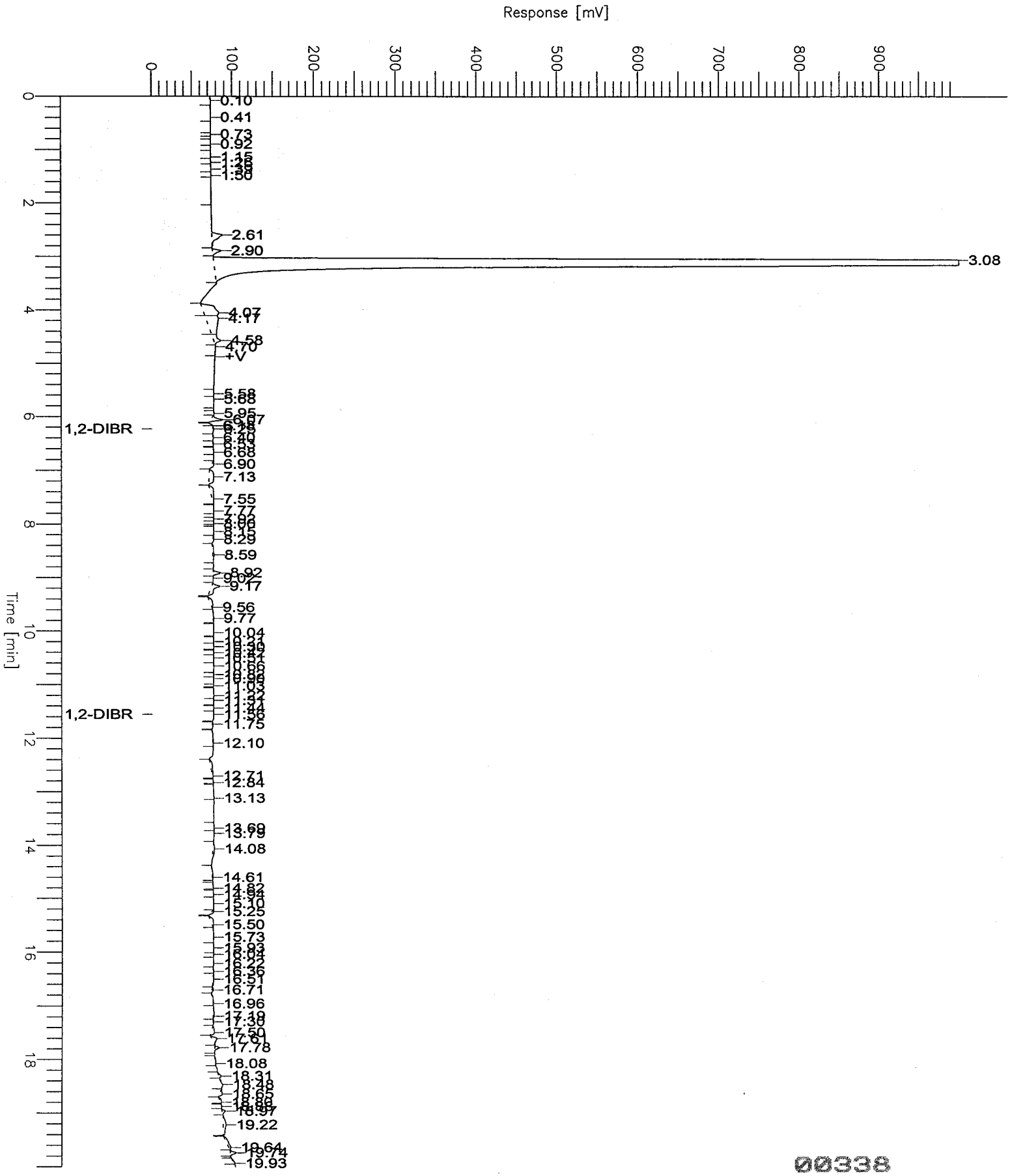
CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	1	0.050	0.0088	0.050	U

* Values outside of QC limits

Chromatogram

Sample Name : 1208192-01
FileName : C:\TC4\158\AUG2012\Aaug236.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 20:42
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



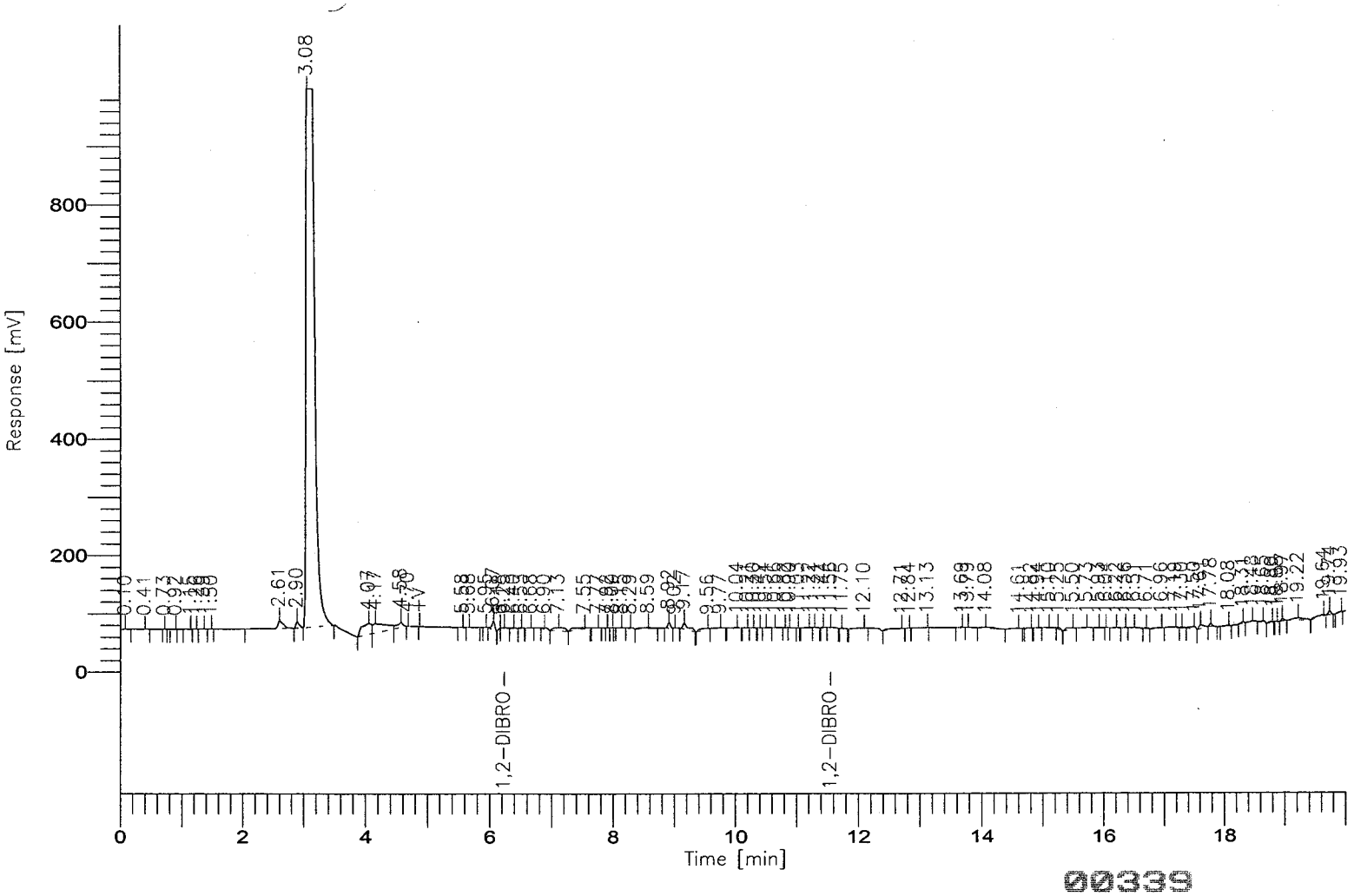
Software Version: 4.1<2F12>
Sample Name : 1208192-01 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 20:42
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG236.RAW
Result File : C:\TC4\158\AUG2012\AAUG236.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG236.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00339

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	-0.0003	1109.54	5375.50	35	2	-0.01838	<MDL ↓
11.56	1,2-DIBROMO3CHLOROPR	-0.0003	544.38	5355.50	35	2	-0.01859	
			1653.92	10731.00				

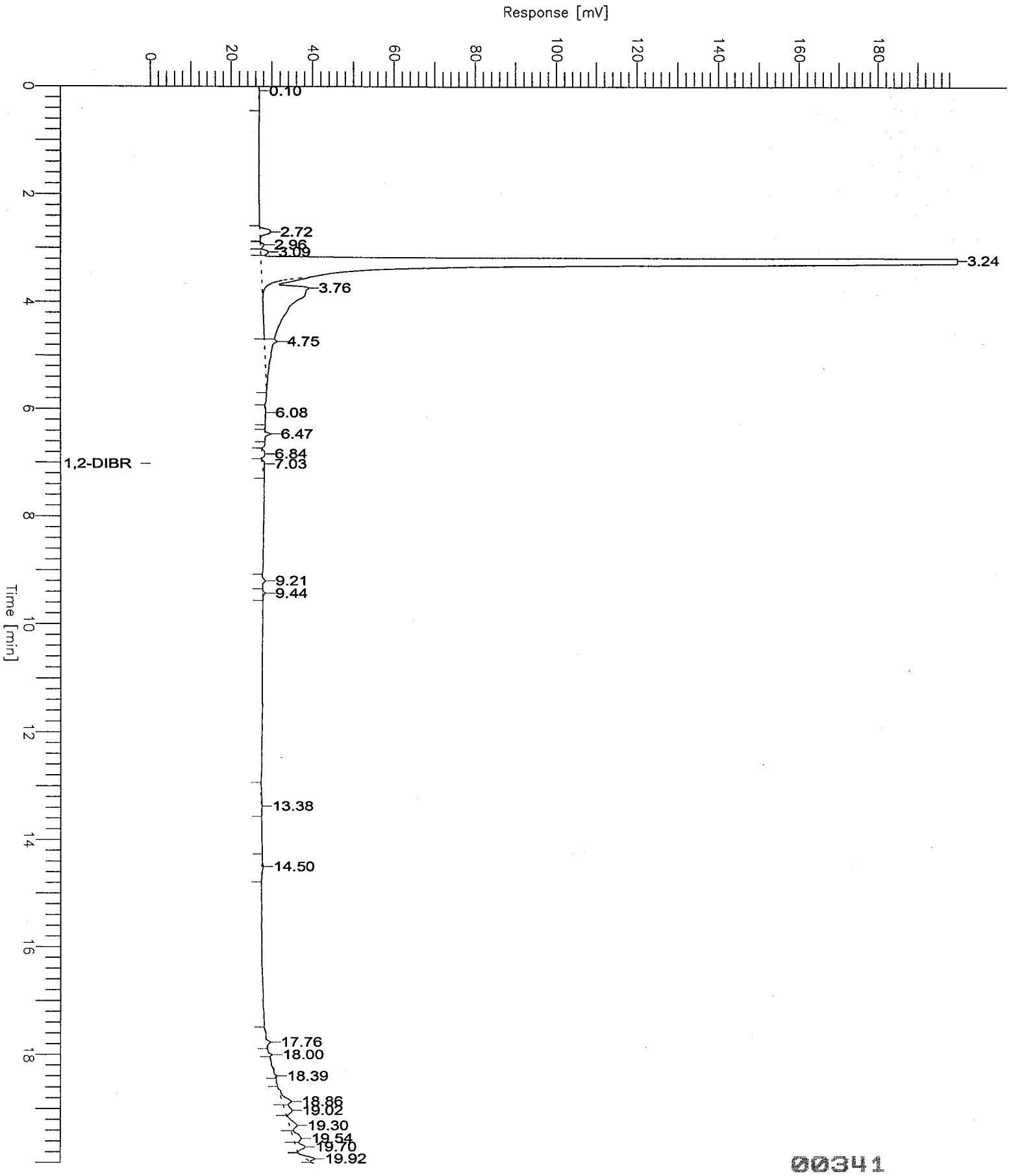
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG236.TX0

8/20/12

Chromatogram

Sample Name : 1208192-01
FileName : C:\TC4\158\AUG2012\Baug236.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 20:42
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00341

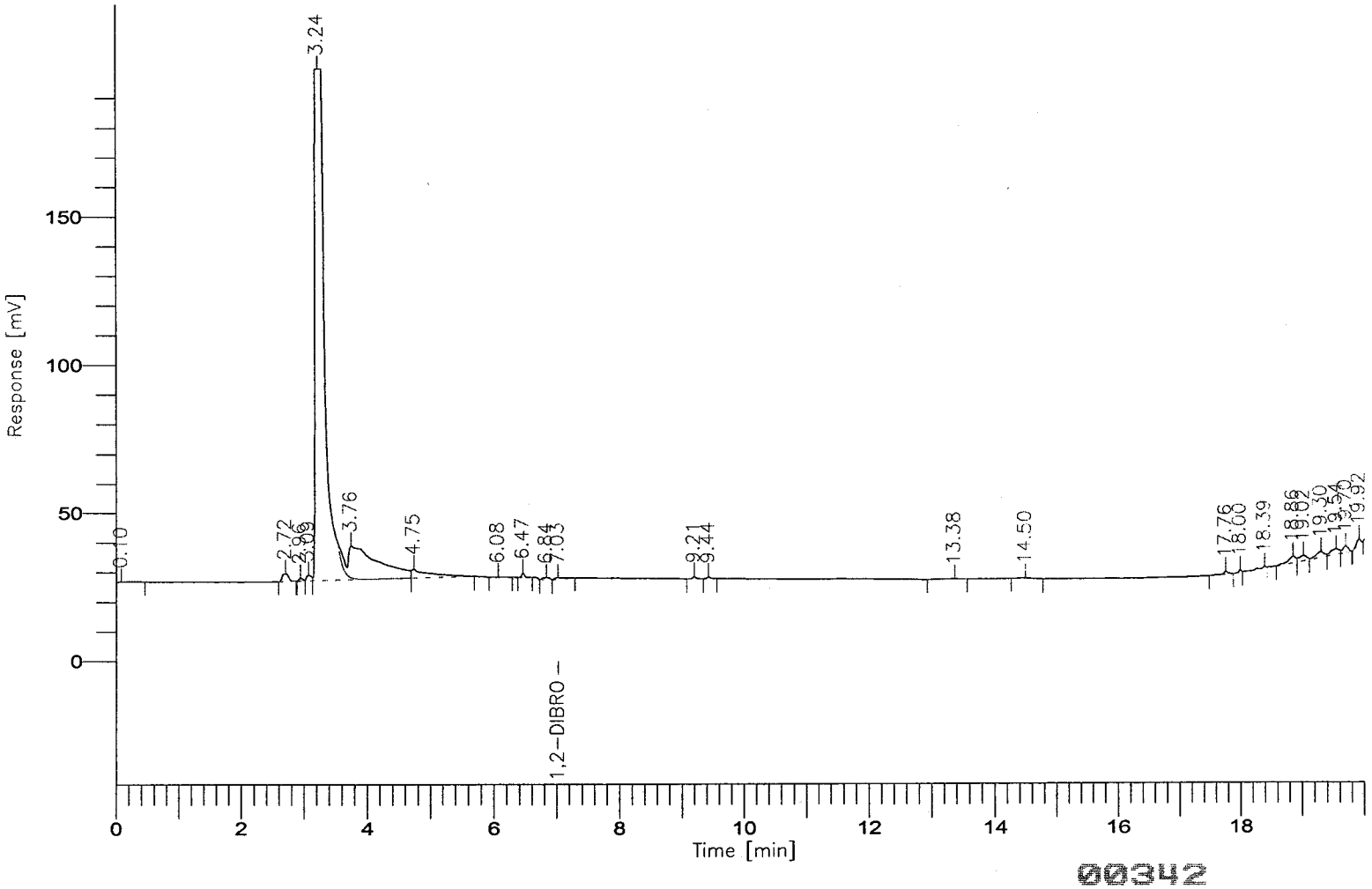
Software Version: 4.1<2F12>
Sample Name : 1208192-01 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 20:42
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG236.RAW
Result File : C:\TC4\158\AUG2012\BAUG236.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG236.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00342

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	-0.0002	596.32	7418.00	35	2	-0.00959	<MDL
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			596.32	7418.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG236.TX0

INITIAL CALIBRATION STANDARDS
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2G17011

SDG: KNM070512
Project: KNM
Calibration: 2G17004
Instrument: 158

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2070619	8011 L1	2G17011-CAL1	AJUL121-0	07/16/12 15:54
2070620	8011 L2	2G17011-CAL2	AJUL122-0	07/16/12 16:23
2070621	8011 L3	2G17011-CAL3	AJUL123-0	07/16/12 16:52
2070622	8011 L4	2G17011-CAL4	AJUL124-0	07/16/12 17:20
2070623	8011 L5	2G17011-CAL5	AJUL125-0	07/16/12 17:49
2070624	8011 L6	2G17011-CAL6	AJUL126-0	07/16/12 18:18
2070625	8011 SCV	2G17011-SCV1	AJUL127-0	07/16/12 18:47

00344

INITIAL CALIBRATION DATA
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2G17004

SDG: KNM070512

Project: KNM

Calibration Date: 07/16/12 10:20

Instrument: 158

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,2-Dibromoethane	0.00035	1.131783E+07	0.0007	9155457	0.0014	8115708	0.0028	7365900	0.0056	6263288	0.0112	6032714
1,2-Dibromo-3-chloropropane	0.00035	1.205691E+07	0.0007	1.060422E+07	0.0014	1.036442E+07	0.0028	1.016785E+07	0.0056	9022543	0.0112	9111768

INITIAL CALIBRATION DATA (Continued)

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2G17004

SDG: KNM070512

Project: KNM

Calibration Date: 07/16/12 10:20

Instrument: 158

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,2-Dibromoethane	8041816	24.64166	6.32	9.234004E-03	0.99872		0.99	
1,2-Dibromo-3-chloropropane	1.022129E+07	10.90105	11.72	2.548976E-02	0.99923		0.99	

00346

Turbochrom Method File : C:\TC4\158\JULY2012\EDB7162A.MTH
Created by : JDM on : 7/17/12 08:07
Edited by : BJH on : 7/17/12 08:09
Description :

Number of Times Edited : 2
Number of Times Calibrated : 190

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

ASC 7/17/12

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 20.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 2 µV
Area Threshold : 11.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +V at 4.885

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 80.000 mV

Number of Pages : 1

Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE
Component Type : Single Peak Component
Retention Time : 6.318 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	23580.00	3961.24	----------	----------	1
2	0.0007	33402.00	6408.82	----------	----------	1
3	0.0014	51642.00	11361.99	----------	----------	1
4	0.0028	85916.00	20624.52	----------	----------	1
5	0.0056	140544.00	35074.41	----------	----------	1
6	0.0112	271986.50	67566.40	----------	----------	1

Calibration Curve : y = (2939.574849) + (5789088.029601)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.998879

1,2-DIBROMO3CHLOROPROPANE
Component Type : Single Peak Component
Retention Time : 11.720 min Search Window: 3.00 s, 1.70 %

Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

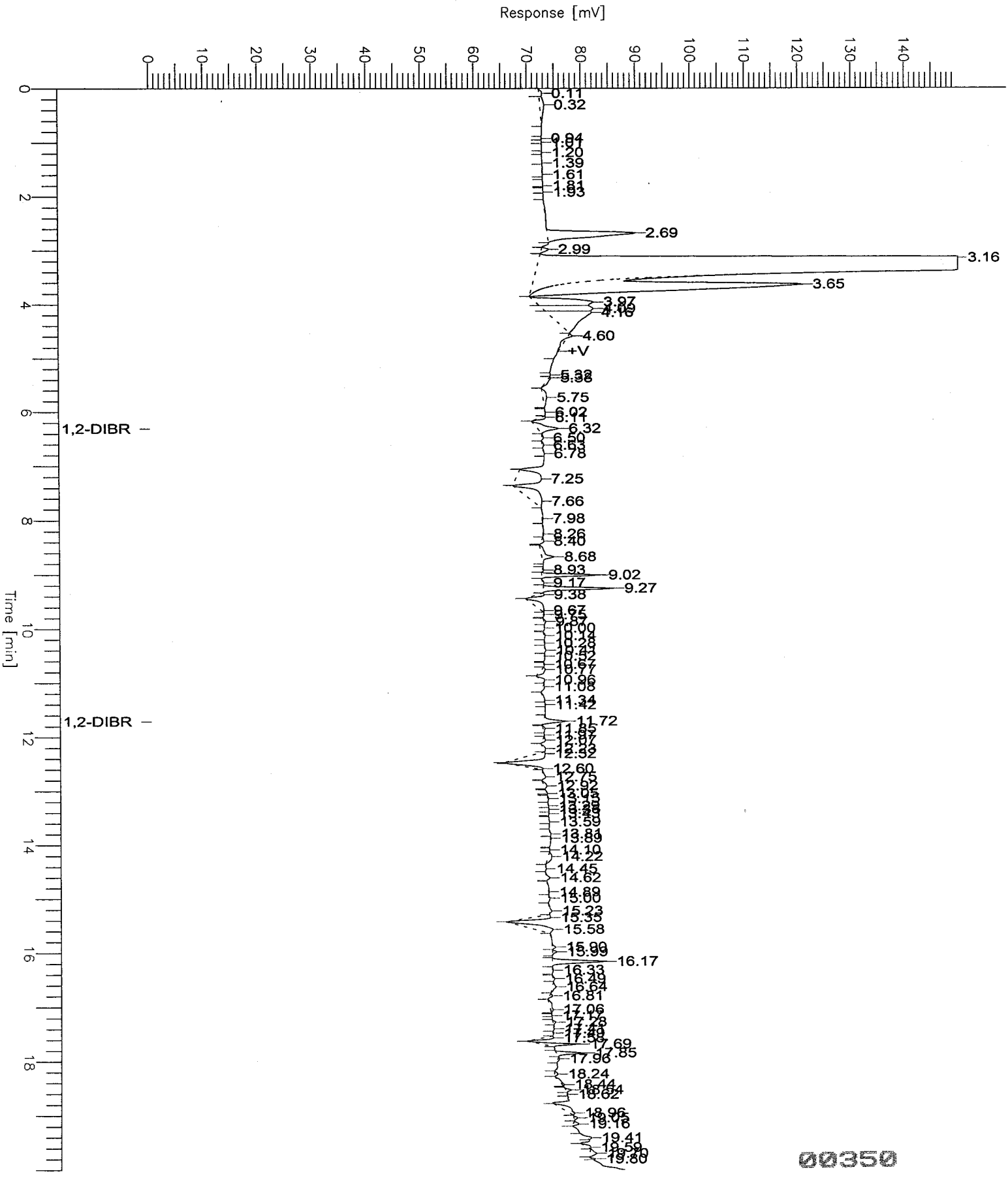
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	14348.50	4219.92	----------	----------	1
2	0.0007	25164.00	7422.95	----------	----------	1
3	0.0014	49025.00	14510.19	----------	----------	1
4	0.0028	97705.00	28469.99	----------	----------	1
5	0.0056	182063.50	50526.24	----------	----------	1
6	0.0112	374369.00	102051.78	----------	----------	1

Calibration Curve : y = (1785.187229) + (8931361.958348)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999279

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\JULY2012\AJUL121.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 15:54
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



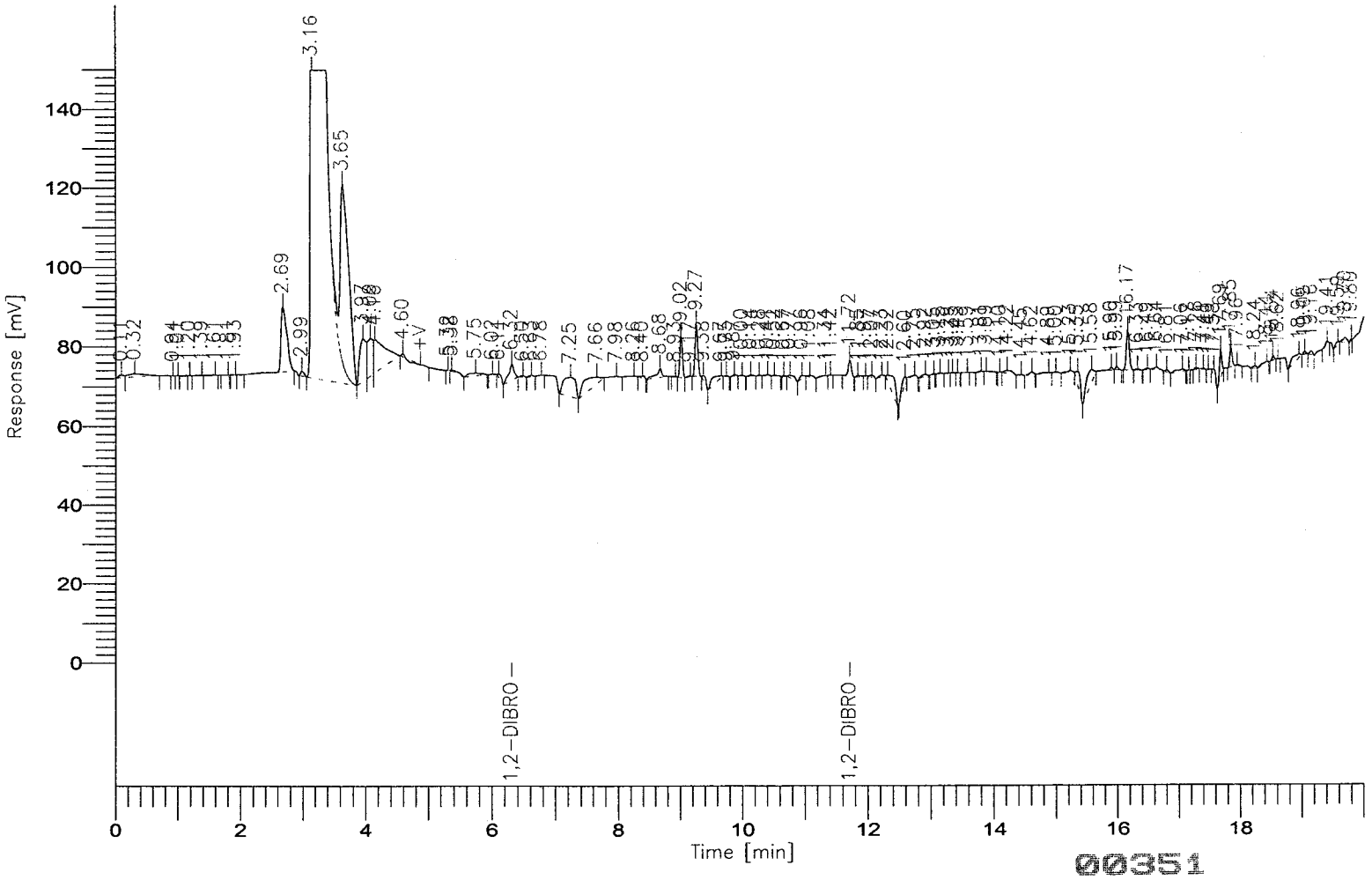
Software Version: 4.1<2F12>
Sample Name : L1 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 15:54
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL121.RAW
Result File : C:\TC4\158\JULY2012\AJUL121.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL121.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

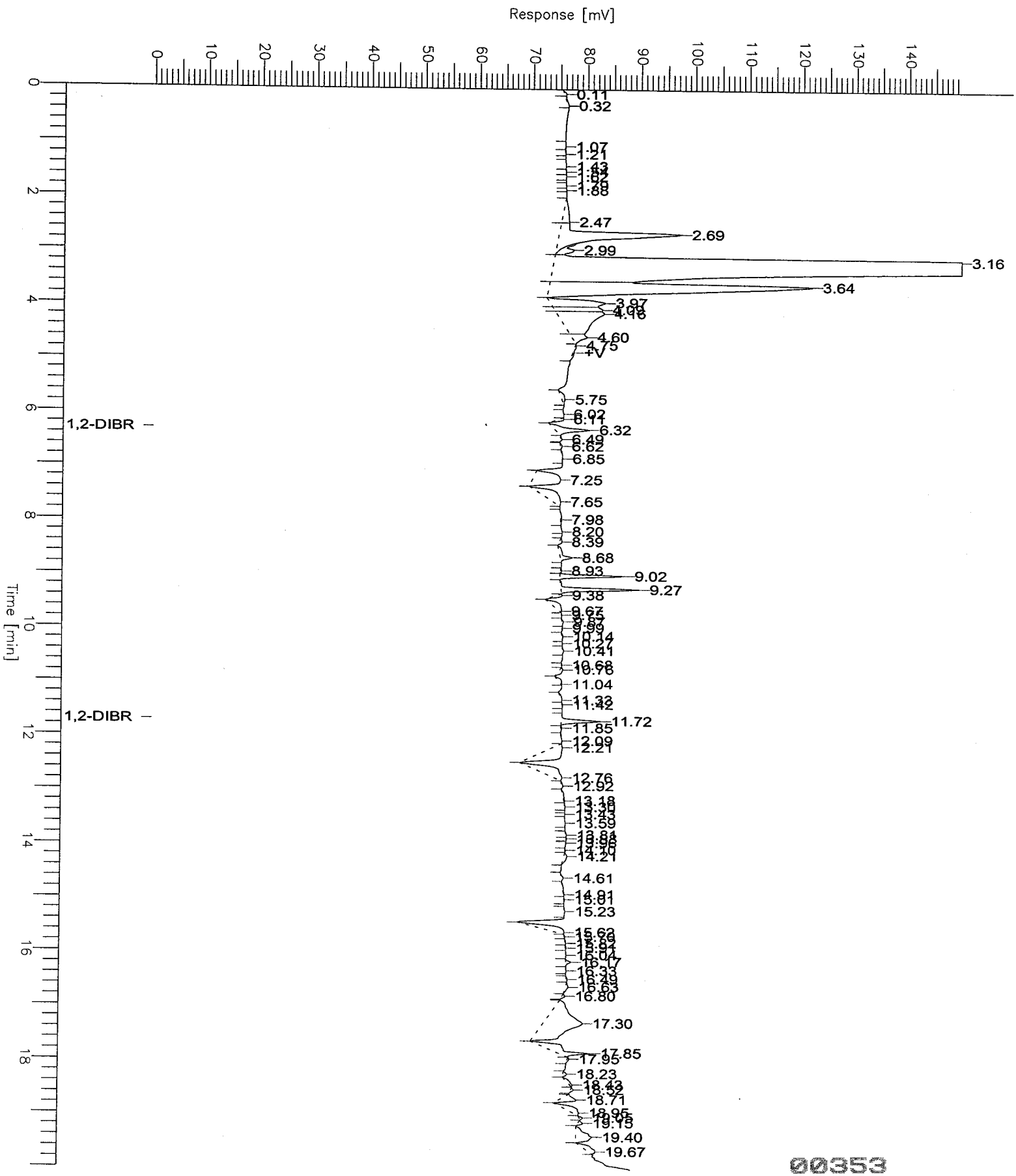
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0002	3961.24	23580.00	35	2	0.01008
11.72	1,2-DIBROMO3CHLOROPR	0.0003	4219.92	14348.50	35	2	0.01558
			8181.16	37928.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL121.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\JULY2012\AJUL122.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 16:23
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00353

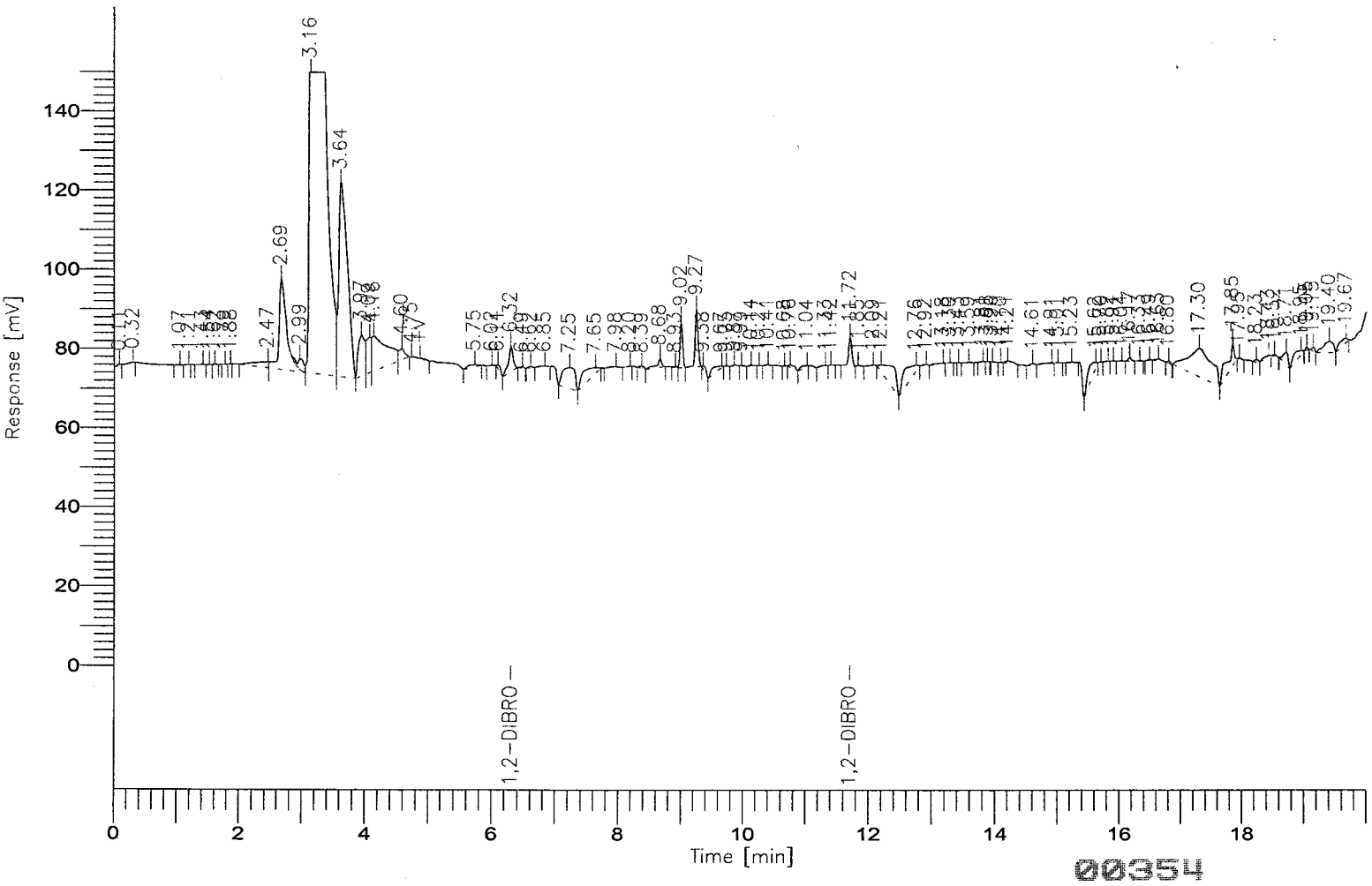
Software Version: 4.1<2F12>
Sample Name : L2 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 16:23
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL122.RAW
Result File : C:\TC4\158\JULY2012\AJUL122.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL122.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

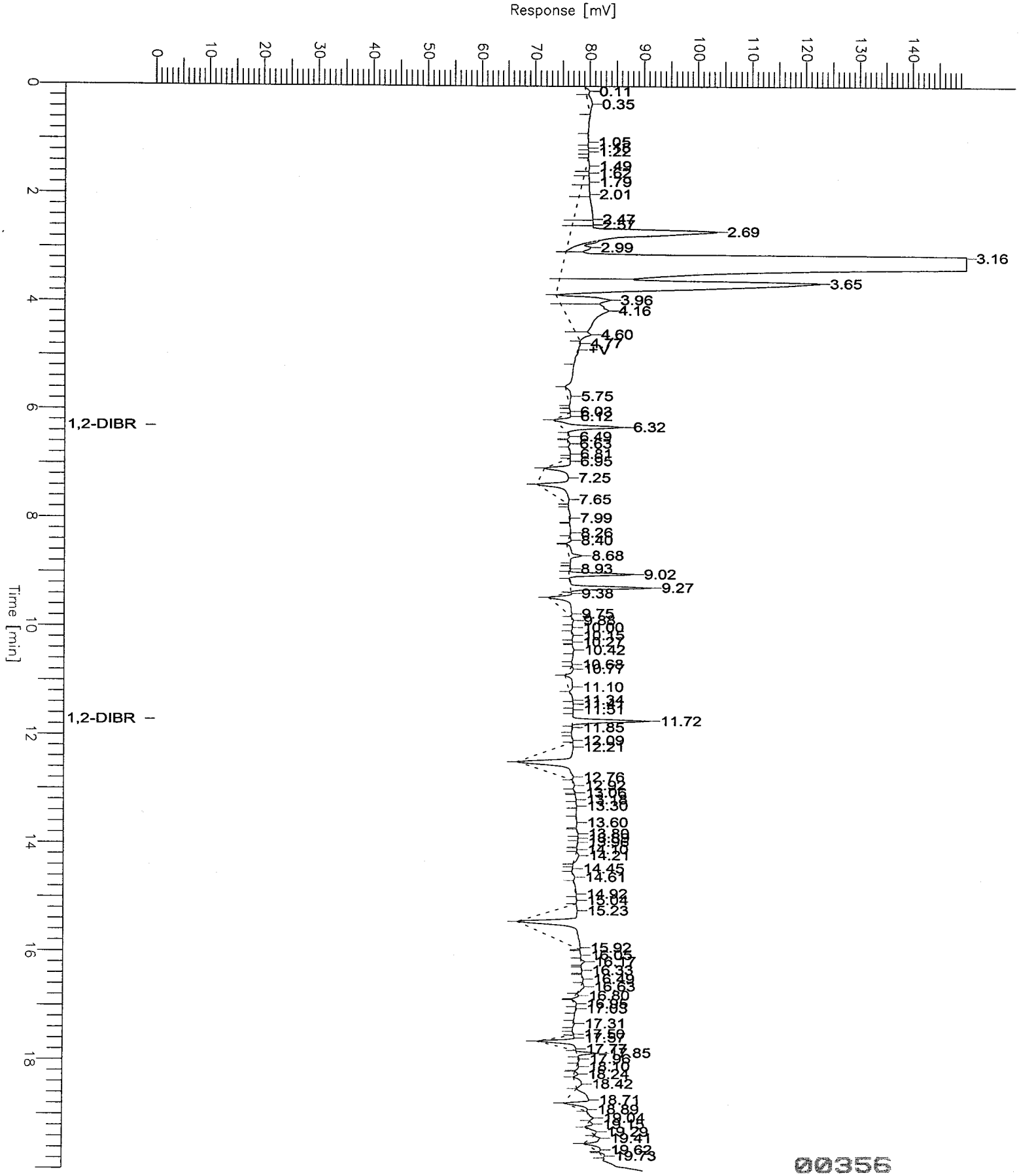
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0006	6408.82	33402.00	35	2	0.03424
11.72	1,2-DIBROMO3CHLOROPR	0.0006	7422.95	25164.00	35	2	0.03607
			13831.77	58566.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL122.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\JULY2012\AJUL123.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 16:52
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00356

Software Version: 4.1<2F12>
Sample Name : L3
Sample Number:
Operator : BJH

Time : 7/17/12 08:34
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

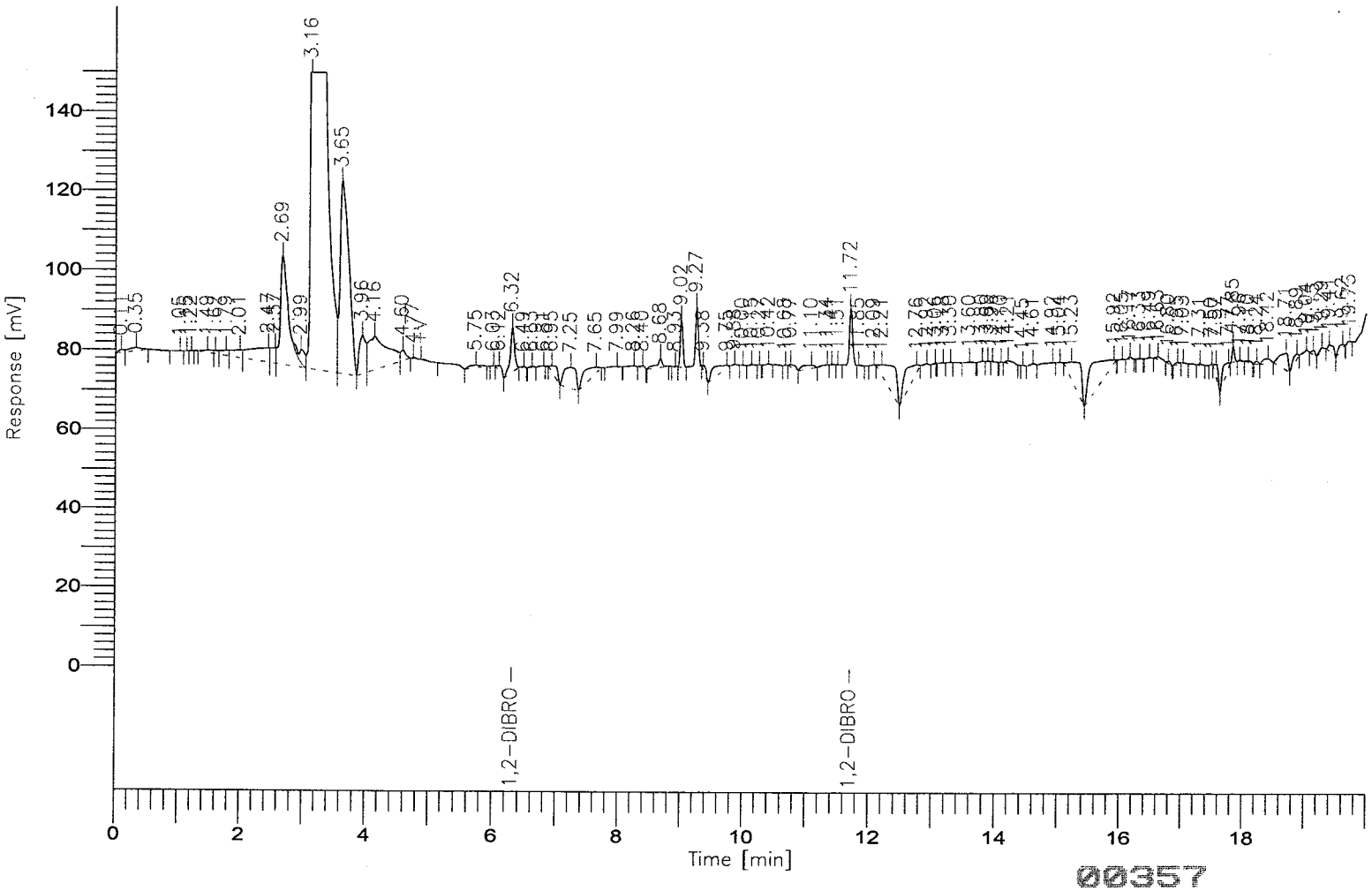
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 16:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL123.RAW
Result File : C:\TC4\158\JULY2012\AJUL123.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL123.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

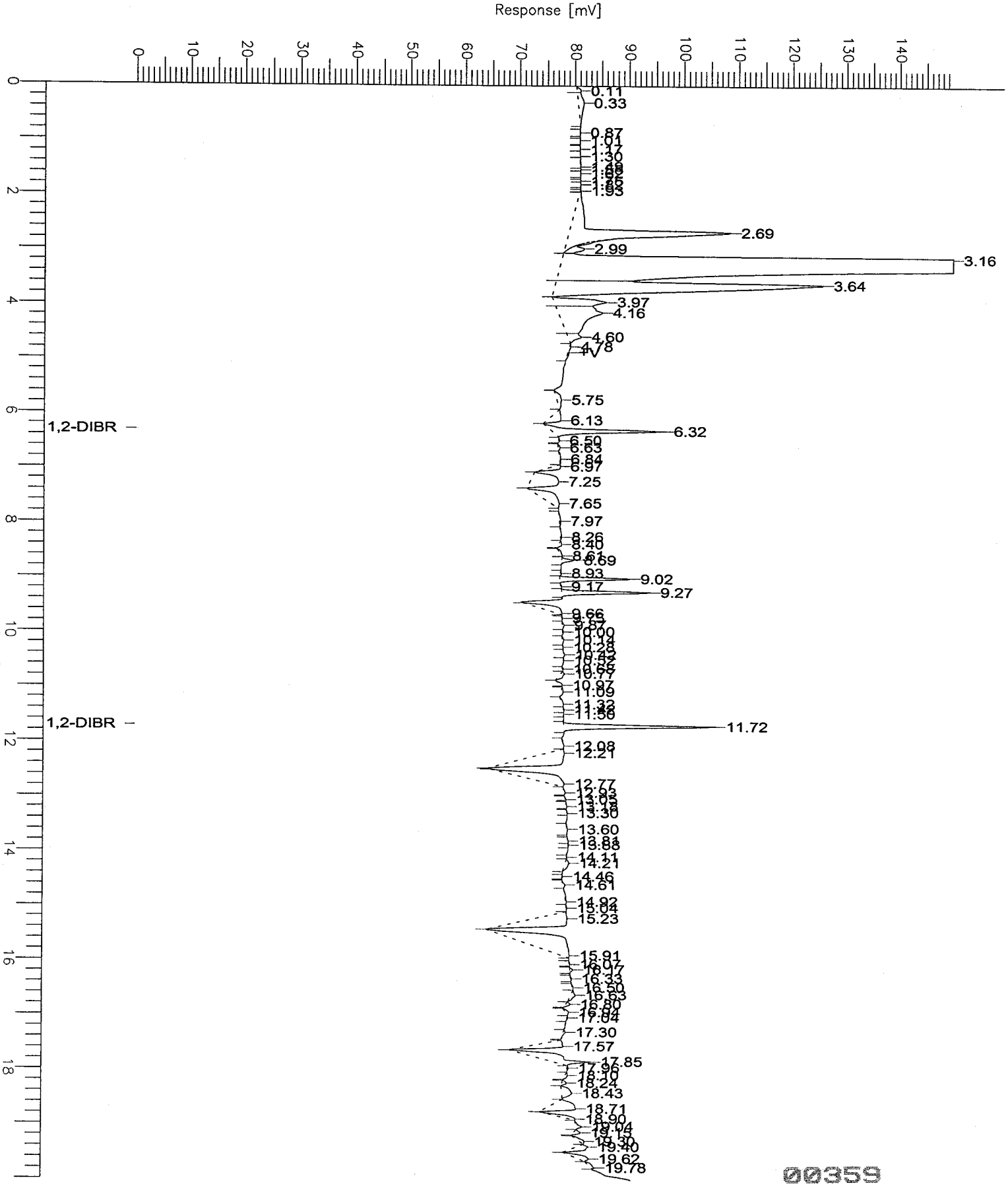
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0015	11361.99	51642.00	35	2	0.08314
11.72	1,2-DIBROMO3CHLOROPR	0.0014	14510.19	49025.00	35	2	0.08141
			25872.18	100667.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL123.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\JULY2012\AJUL124.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 17:20
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00359

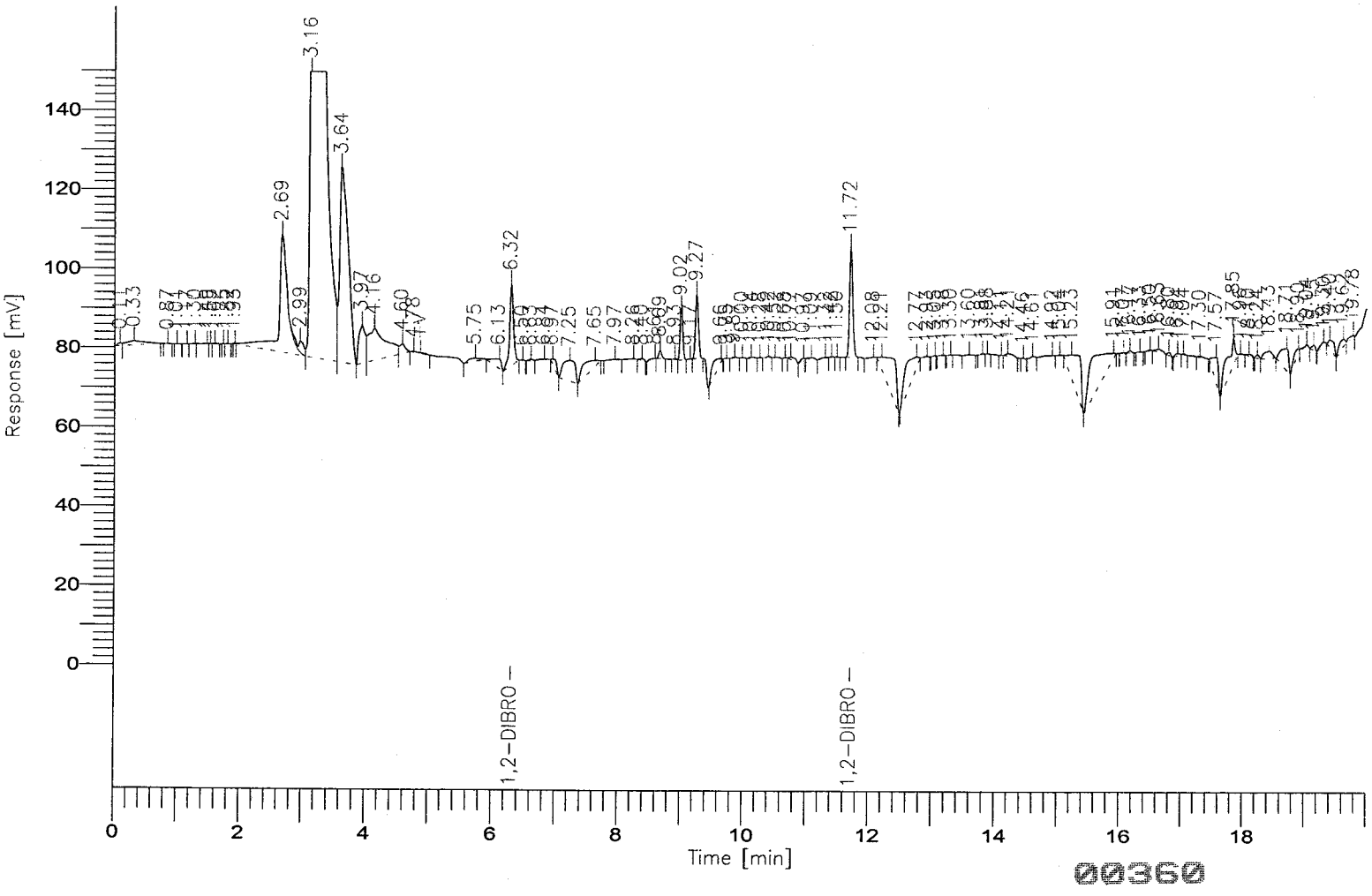
Software Version: 4.1<2F12>
Sample Name : L4 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 17:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL124.RAW
Result File : C:\TC4\158\JULY2012\AJUL124.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL124.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

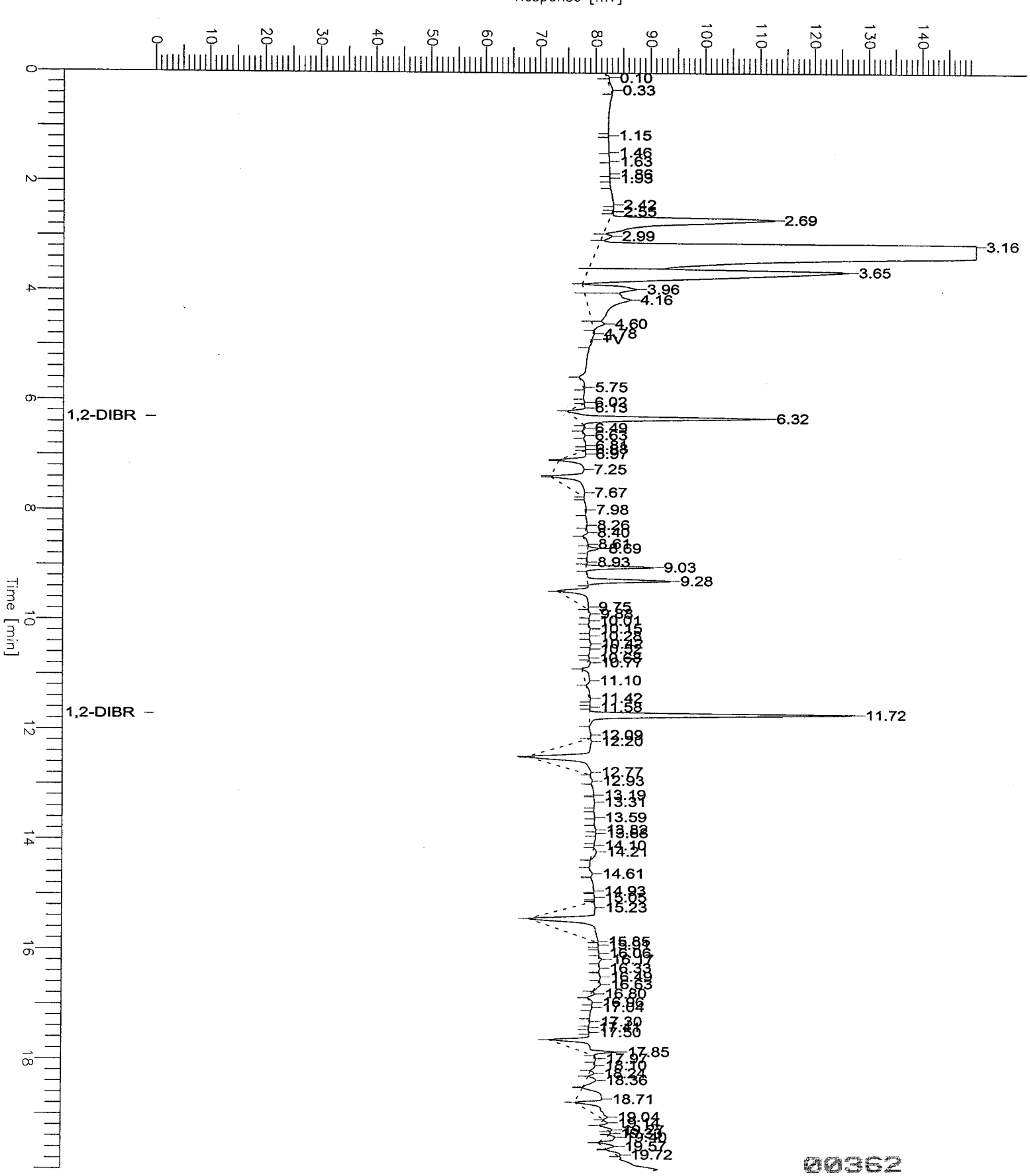
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0031	20624.52	85916.00	35	2	0.17456
11.72	1,2-DIBROMO3CHLOROPR	0.0030	28469.99	97705.00	35	2	0.17073
			49094.52	183621.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL124.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\JULY2012\AJUL125.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 17:49
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00362

Software Version: 4.1<2F12>
Sample Name : L5
Sample Number:
Operator : BJH

Time : 7/17/12 08:34
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

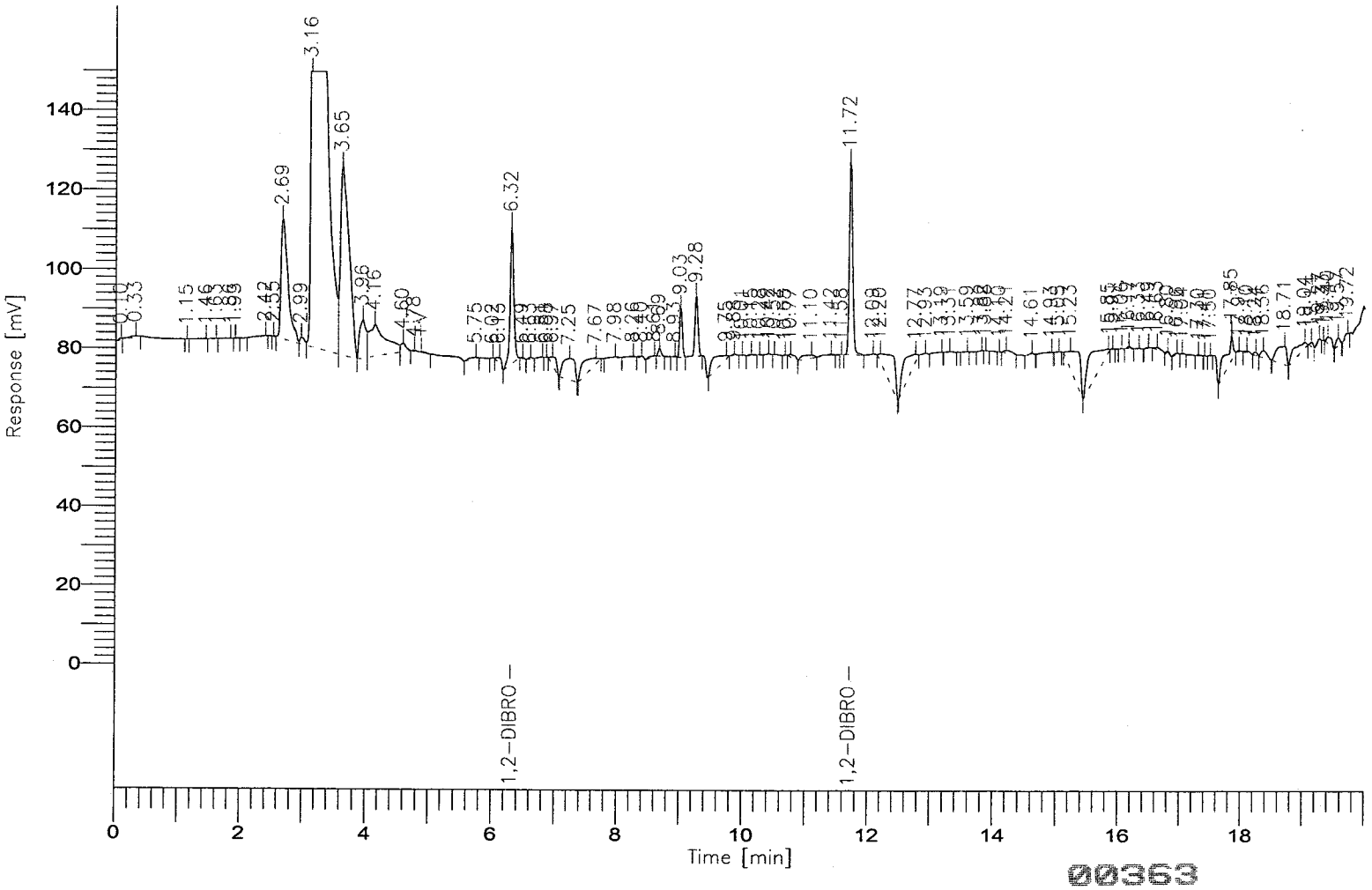
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 17:49
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL125.RAW
Result File : C:\TC4\158\JULY2012\AJUL125.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL125.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00363

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0056	35074.41	140544.00	35	2	0.31720
11.72	1,2-DIBROMO3CHLOROPR	0.0055	50526.24	182063.50	35	2	0.31185
			85600.65	322607.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL125.TX0

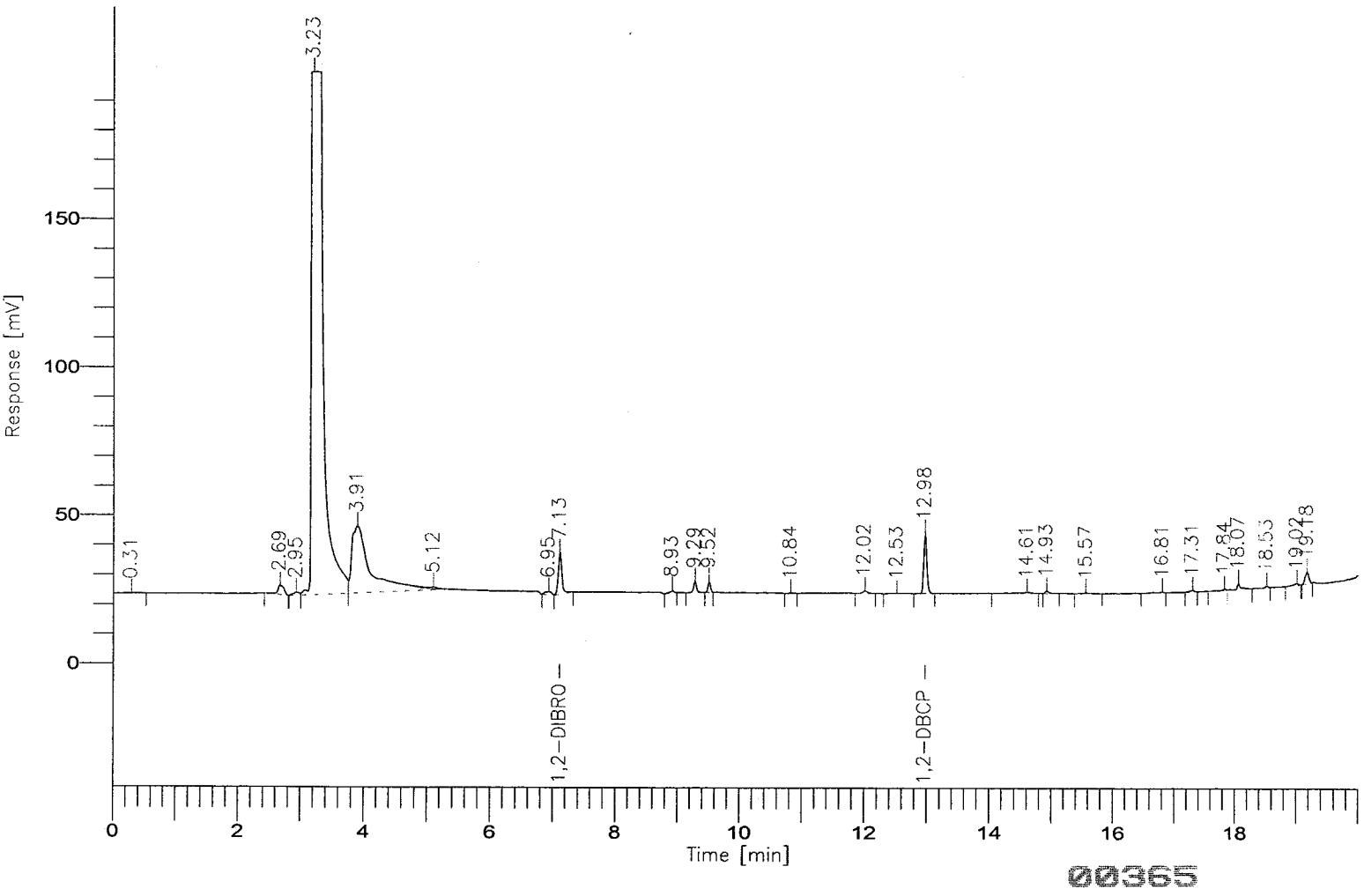
Software Version: 4.1<2F12>
Sample Name : L5 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 17:49
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL125.RAW
Result File : C:\TC4\158\JULY2012\BJUL125.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL125.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00365

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

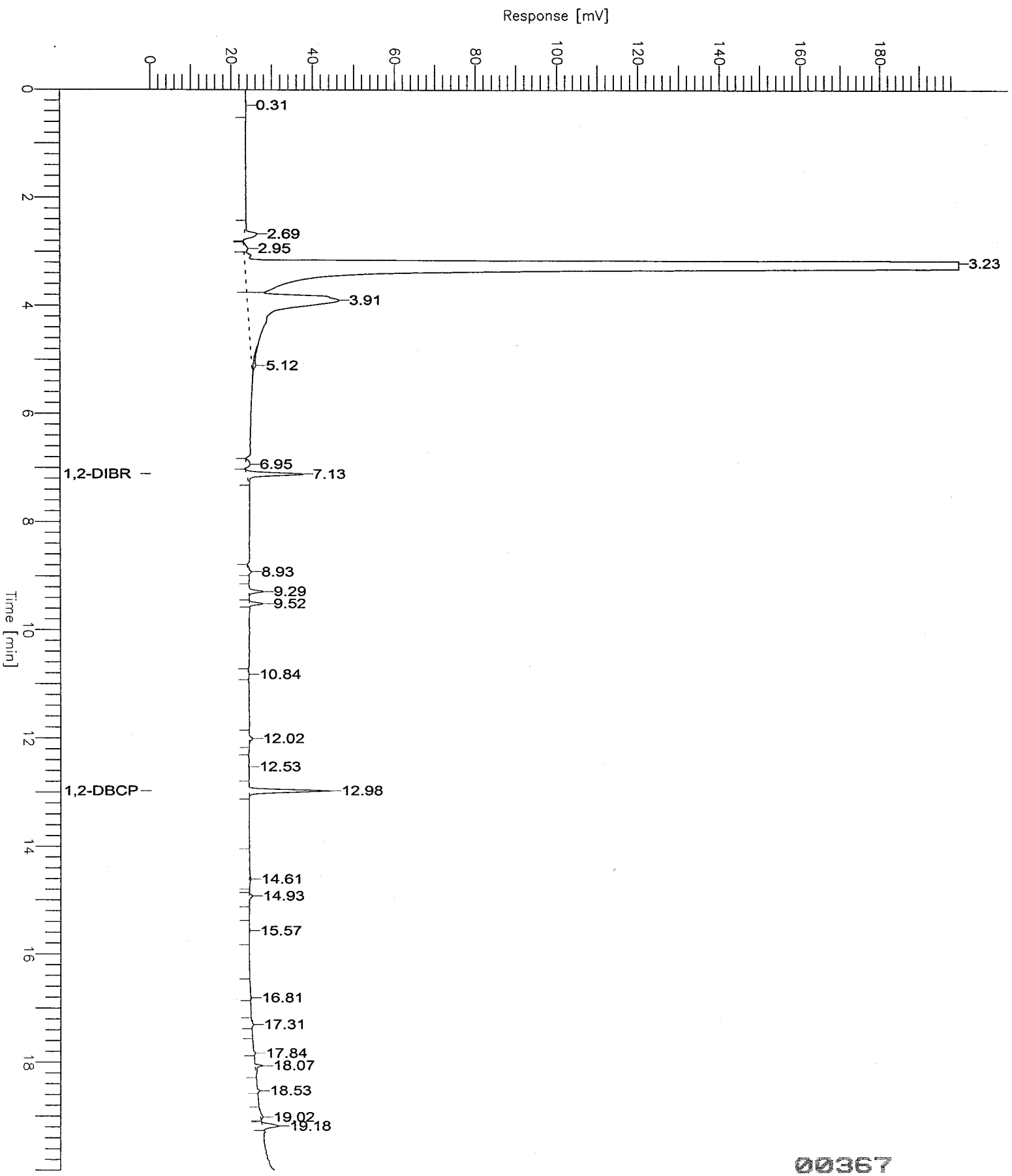
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.13	1,2-DIBROMOETHANE (2	0.0056	14292.84	56327.00	35	2	0.31957
12.98	1,2-DBCP (2C)	0.0056	20176.35	66359.27	35	2	0.31767
			34469.19	122686.27			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL125.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\JULY2012\BJUL125.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 17:49
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV

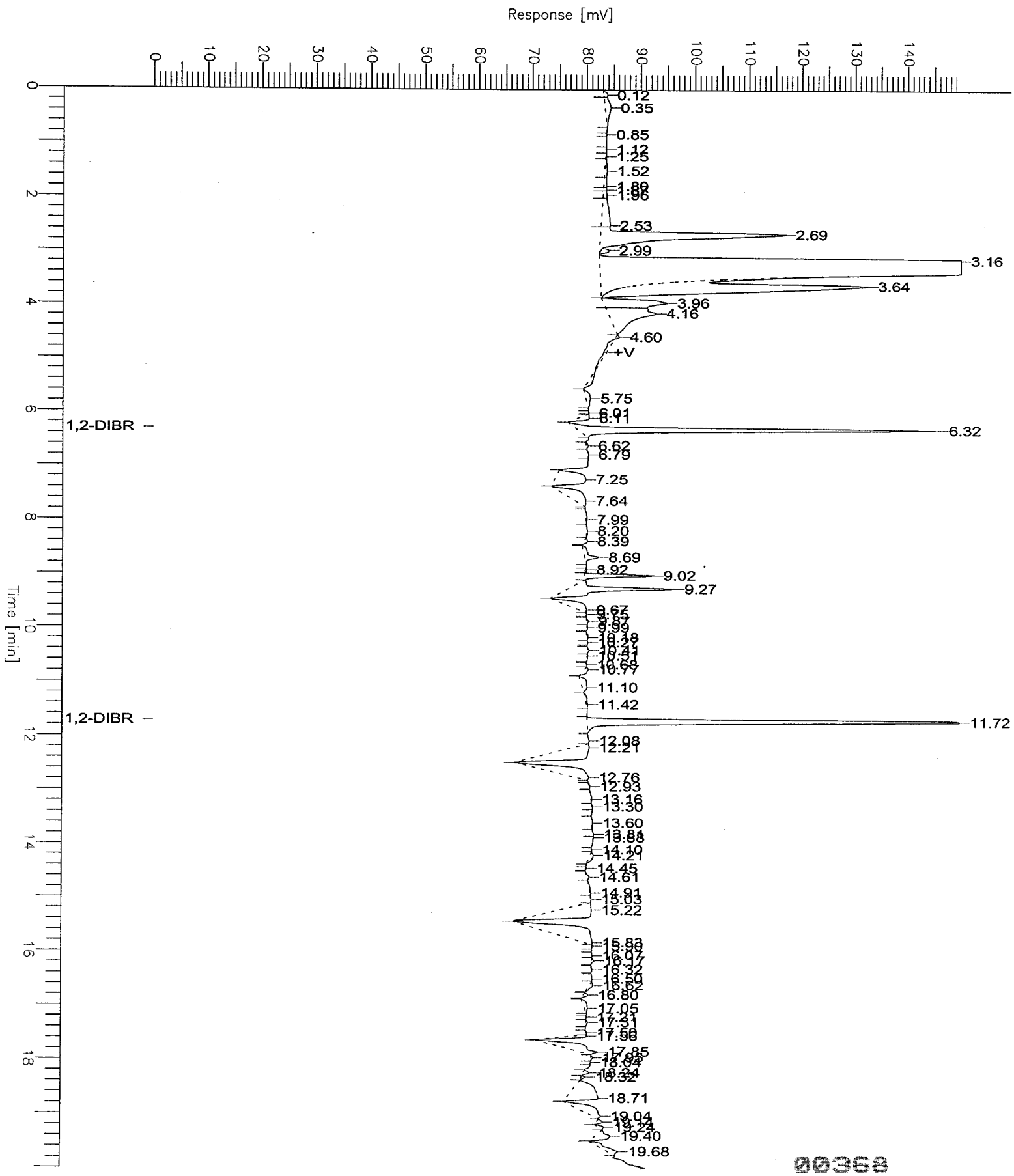


00367

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\JULY2012\AJUL126.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 18:18
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00368

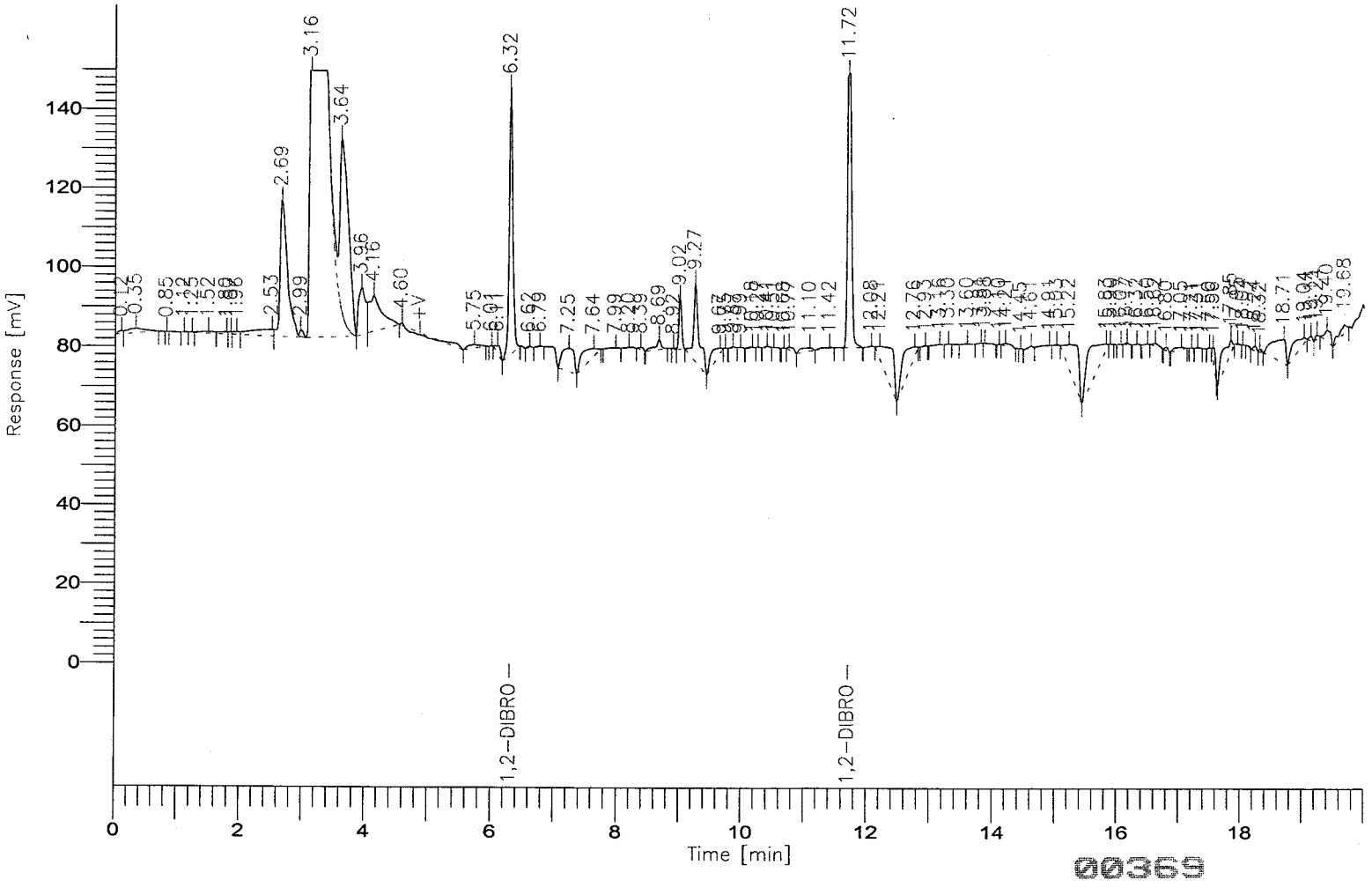
Software Version: 4.1<2F12>
Sample Name : L6 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 18:18
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL126.RAW
Result File : C:\TC4\158\JULY2012\AJUL126.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL126.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0112	67566.40	271986.50	35	2	0.63792
11.72	1,2-DIBROMO3CHLOROPR	0.0112	102051.78	374369.00	35	2	0.64151
			169618.18	646355.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL126.TX0

Turbochrom Method File : C:\TC4\158\JULY2012\EDB7162B.MTH
Created by : JDM on : 7/17/12 08:11
Edited by : BJH on : 7/17/12 08:13
Description :

Number of Times Edited : 2
Number of Times Calibrated : 205

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

ASC 7/17/12

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 29.50 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 2 points
Noise Threshold : 24 µV
Area Threshold : 119.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 200.000 mV

Number of Pages : 1

Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE (2C)
Component Type : Single Peak Component
Retention Time : 7.122 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	6869.00	1425.65	----------	----------	1
2	0.0007	14166.00	2574.06	----------	----------	1
3	0.0014	19976.00	4503.56	----------	----------	1
4	0.0028	32419.00	8047.05	----------	----------	1
5	0.0056	56327.00	14292.84	----------	----------	1
6	0.0112	106256.00	27504.29	----------	----------	1

Calibration Curve : y = (1027.074043) + (2372045.634509)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999412

1,2-DBCP (2C)
Component Type : Single Peak Component
Retention Time : 12.977 min Search Window: 3.00 s, 1.70 %

Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

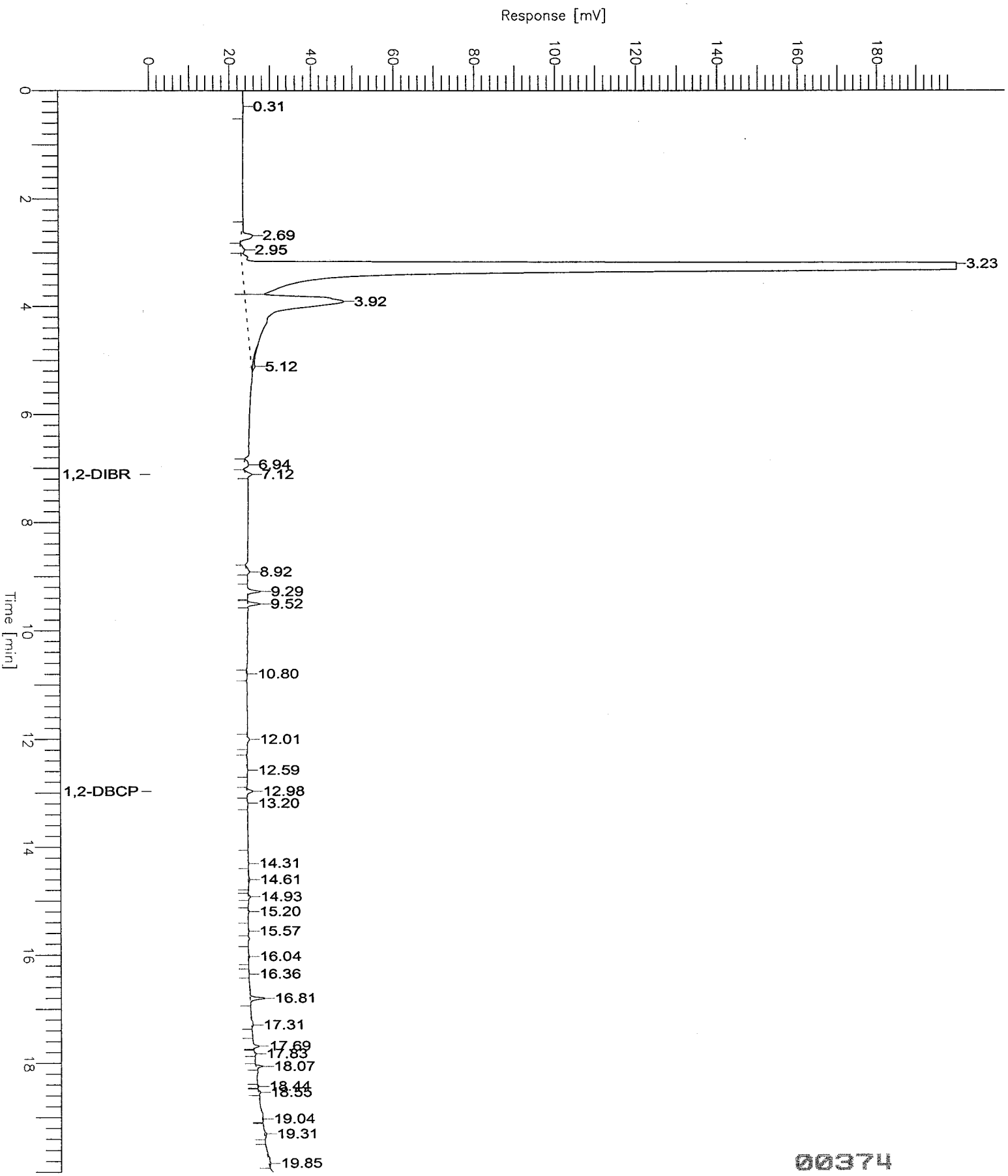
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	5632.00	1538.88	----------	----------	1
2	0.0007	8830.00	2670.88	----------	----------	1
3	0.0014	17754.00	5311.54	----------	----------	1
4	0.0028	35667.00	10621.47	----------	----------	1
5	0.0056	66359.27	20176.35	----------	----------	1
6	0.0112	135399.00	40289.10	----------	----------	1

Calibration Curve : y = (373.654155) + (3562104.385564)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999866

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\JULY2012\BJUL121.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:17
Time of Injection: 7/16/12 15:54
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00374

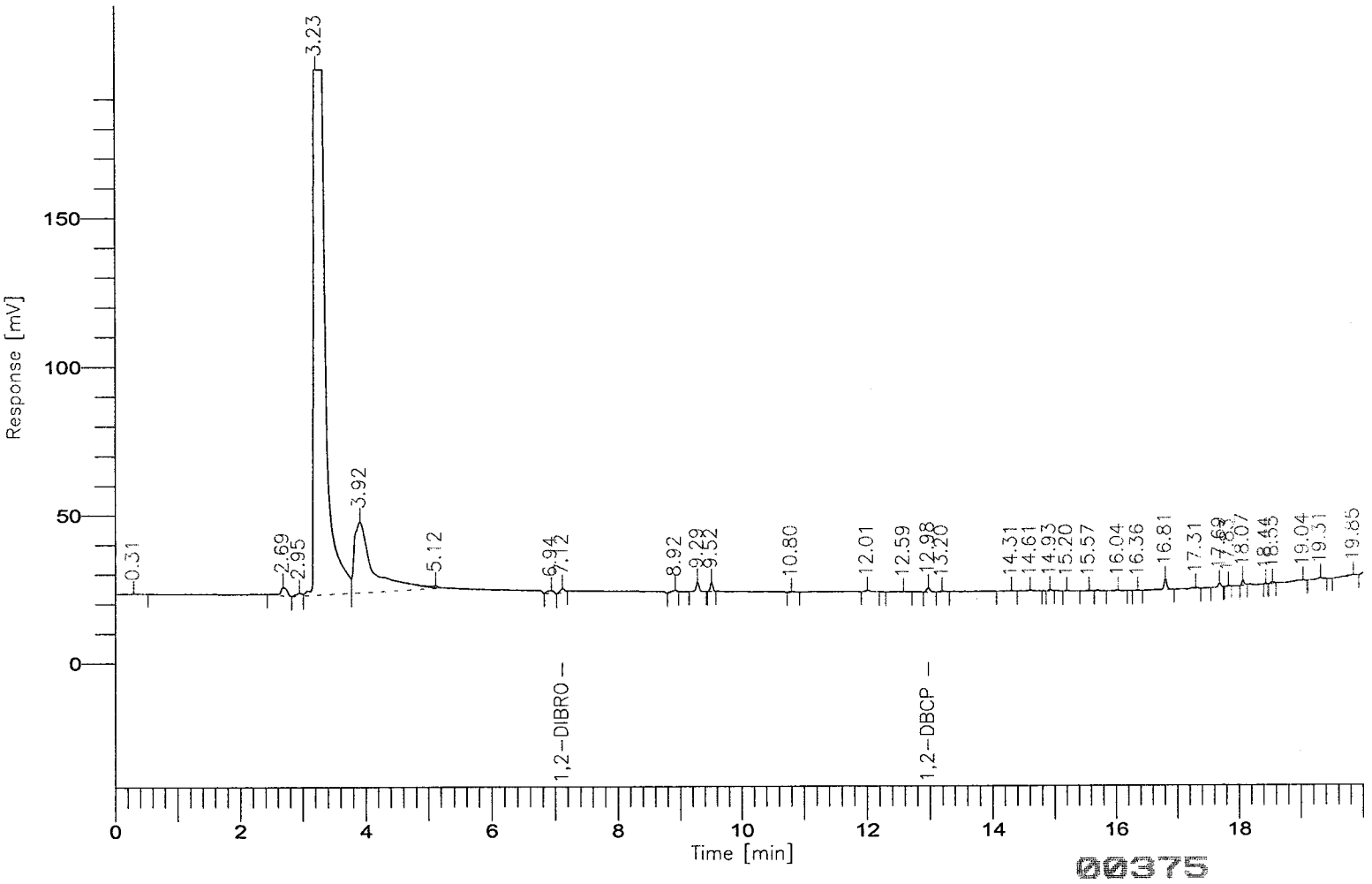
Software Version: 4.1<2F12>
Sample Name : L1 Time : 7/17/12 08:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 15:54
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL121.RAW
Result File : C:\TC4\158\JULY2012\BJUL121.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL121.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00375

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

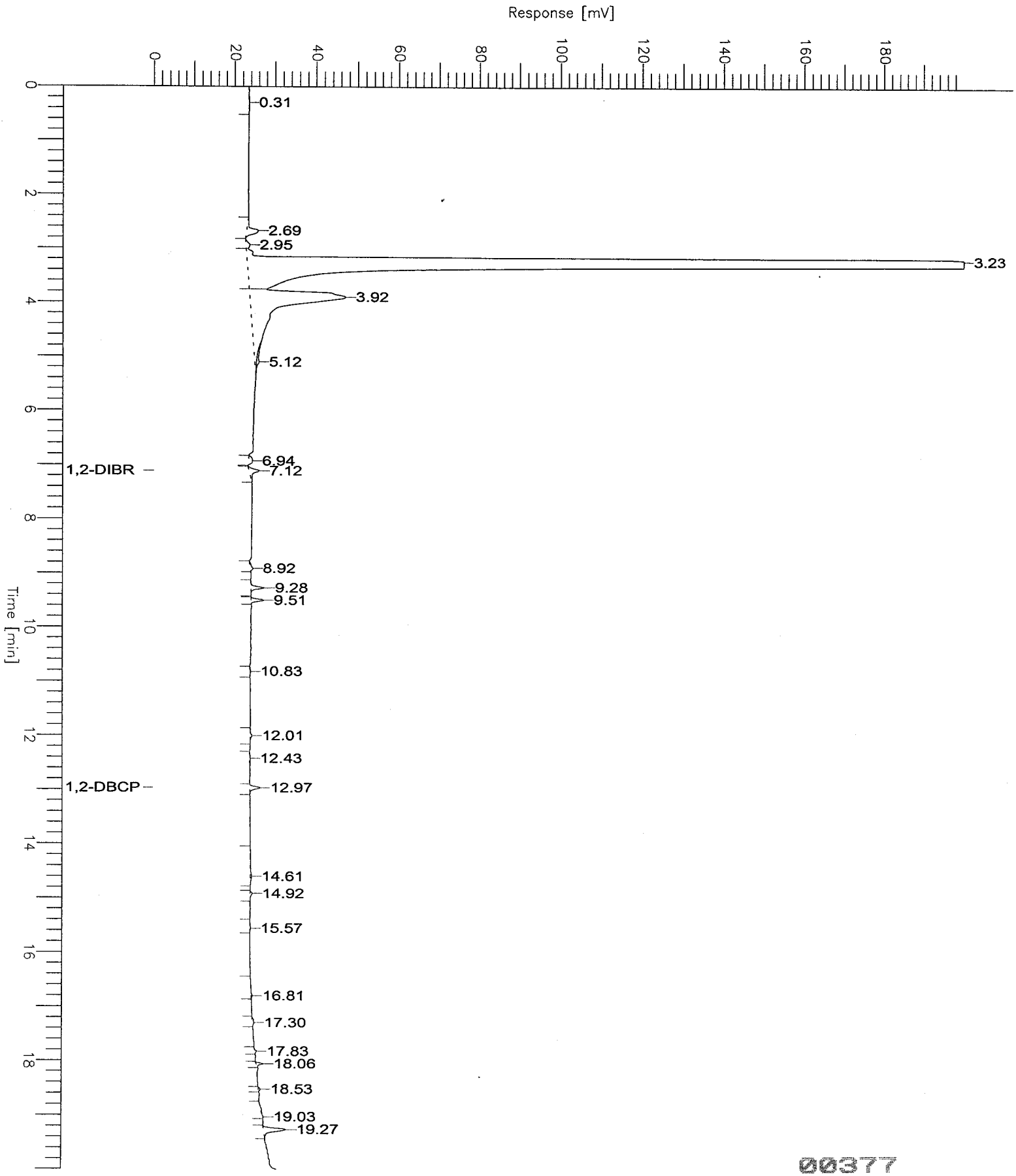
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0002	1425.65	6869.00	35	2	0.00960
12.97	1,2-DBCP (2C)	0.0003	1538.88	5632.00	35	2	0.01869
			2964.52	12501.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL121.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\JULY2012\BJUL122.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:17
Time of Injection: 7/16/12 16:23
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00377

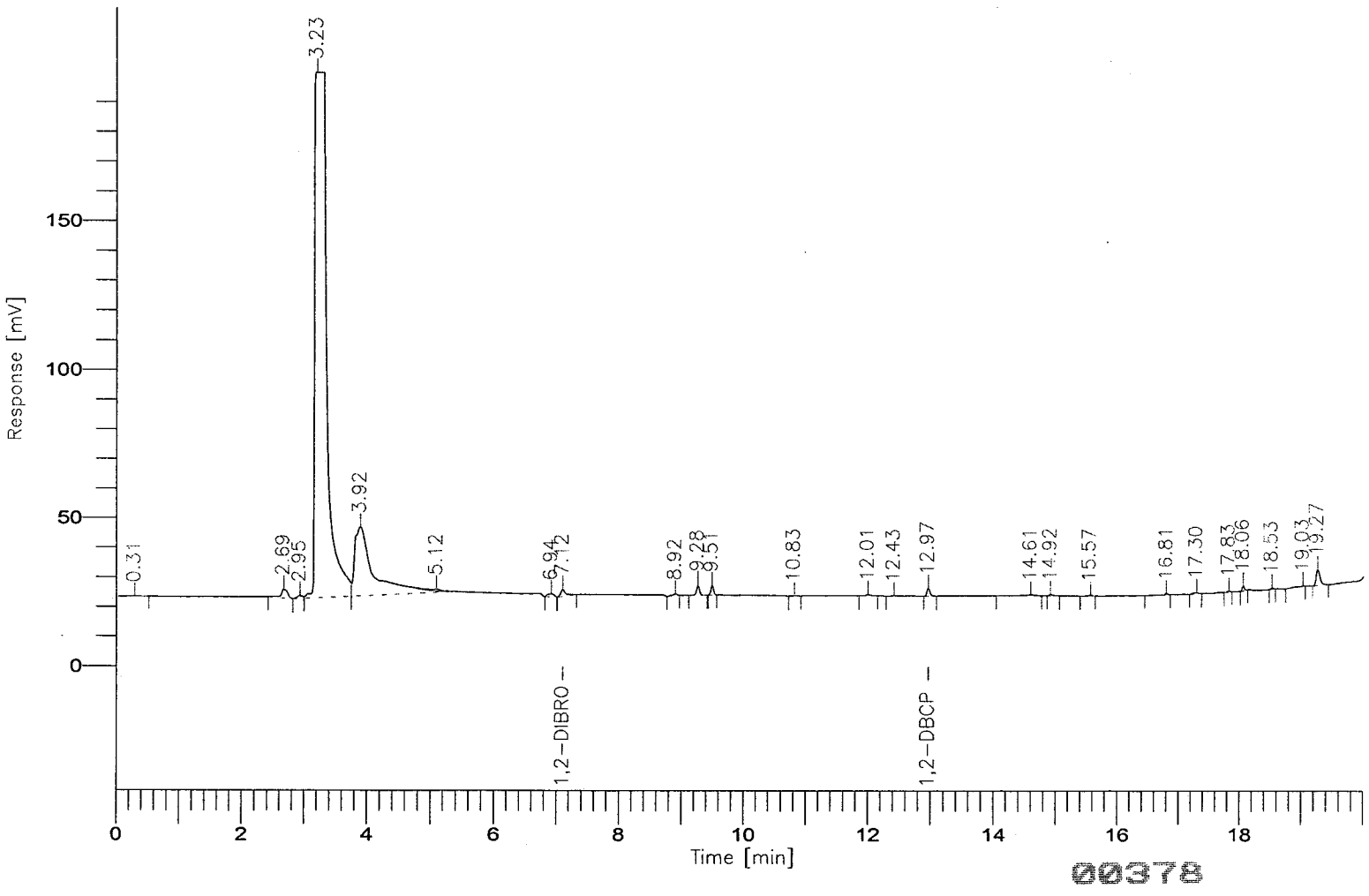
Software Version: 4.1<2F12>
Sample Name : L2 Time : 7/17/12 08:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 16:23
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL122.RAW
Result File : C:\TC4\158\JULY2012\BJUL122.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL122.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00378

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

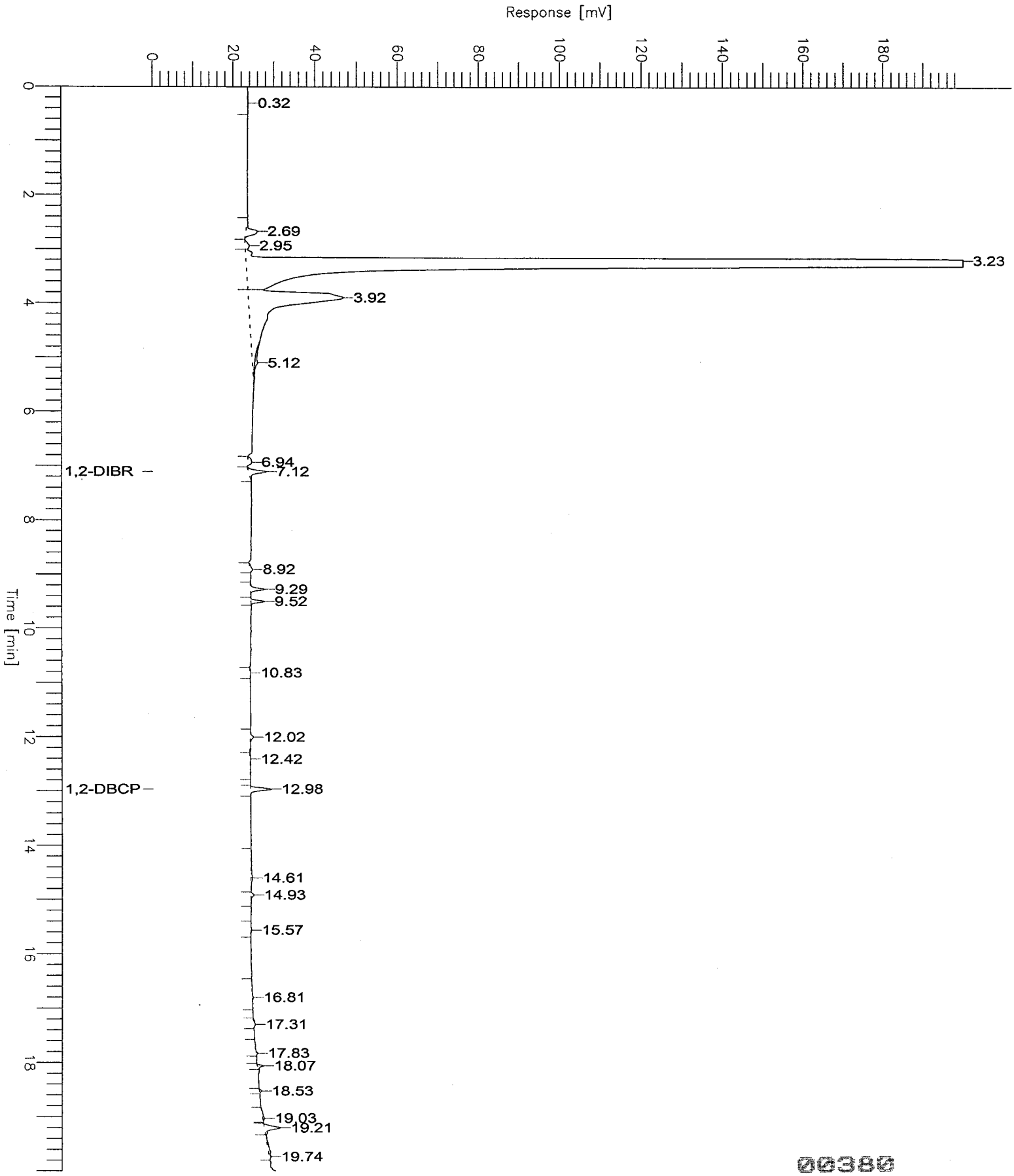
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0007	2574.06	14166.00	35	2	0.03727
12.97	1,2-DBCP (2C)	0.0006	2670.88	8830.00	35	2	0.03685
			5244.94	22996.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL122.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\JULY2012\BJUL123.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:17
Time of Injection: 7/16/12 16:52
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00380

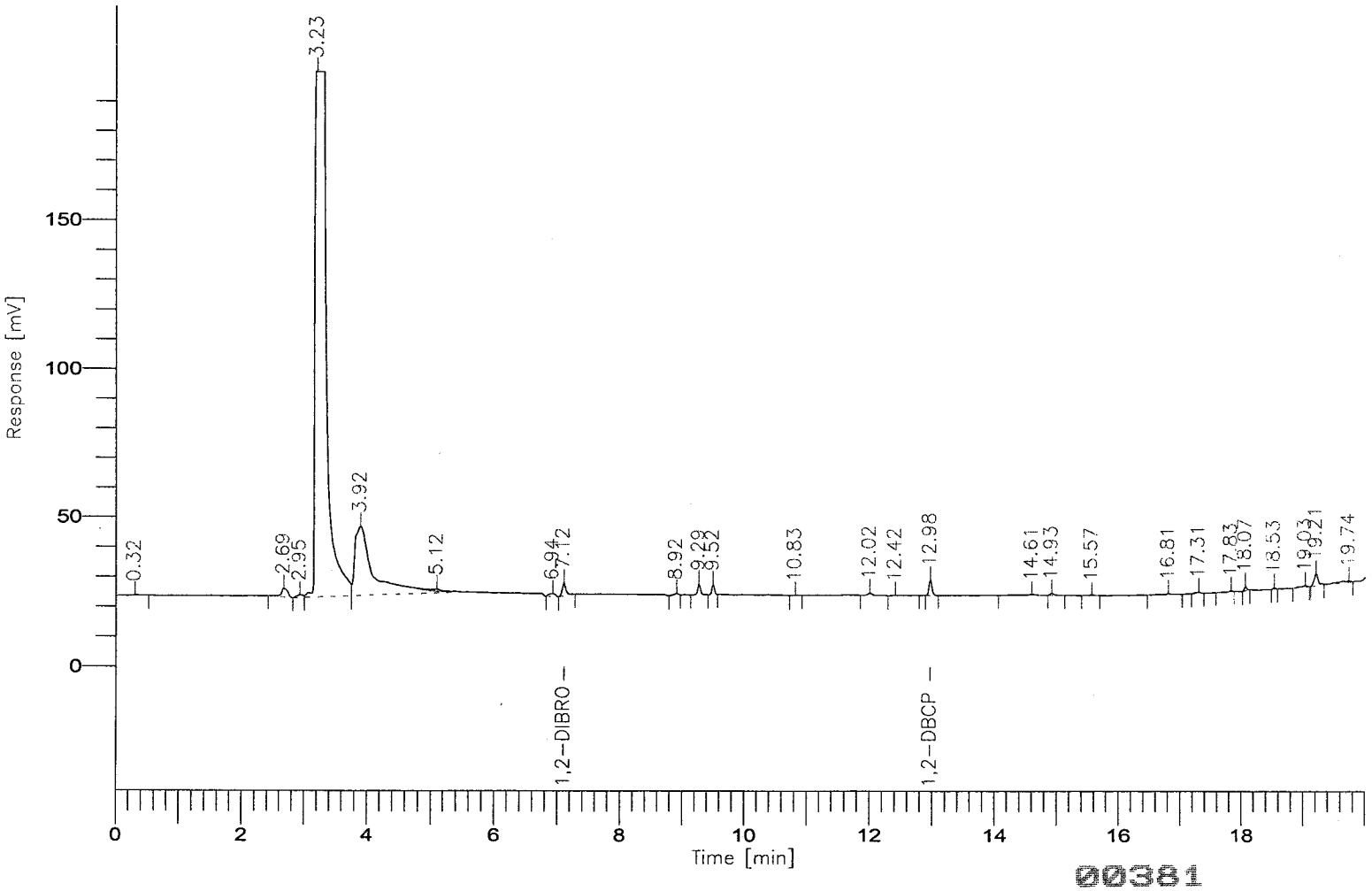
Software Version: 4.1<2F12>
Sample Name : L3 Time : 7/17/12 08:17
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 16:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL123.RAW
Result File : C:\TC4\158\JULY2012\BJUL123.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL123.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00381

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

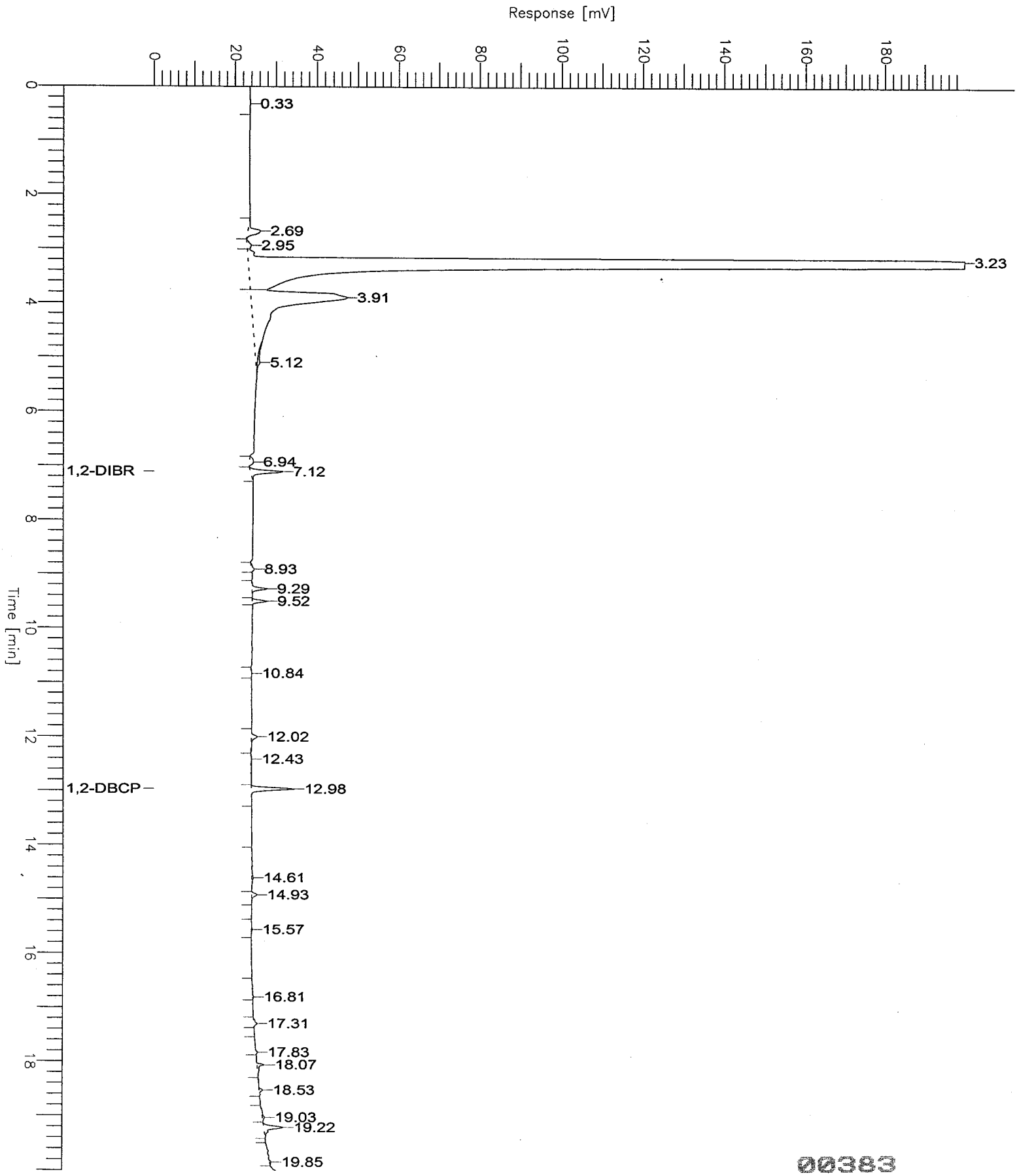
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0015	4503.56	19976.00	35	2	0.08375
12.98	1,2-DBCP (2C)	0.0014	5311.54	17754.00	35	2	0.07921
			9815.11	37730.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL123.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\JULY2012\BJUL124.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 17:20
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00383

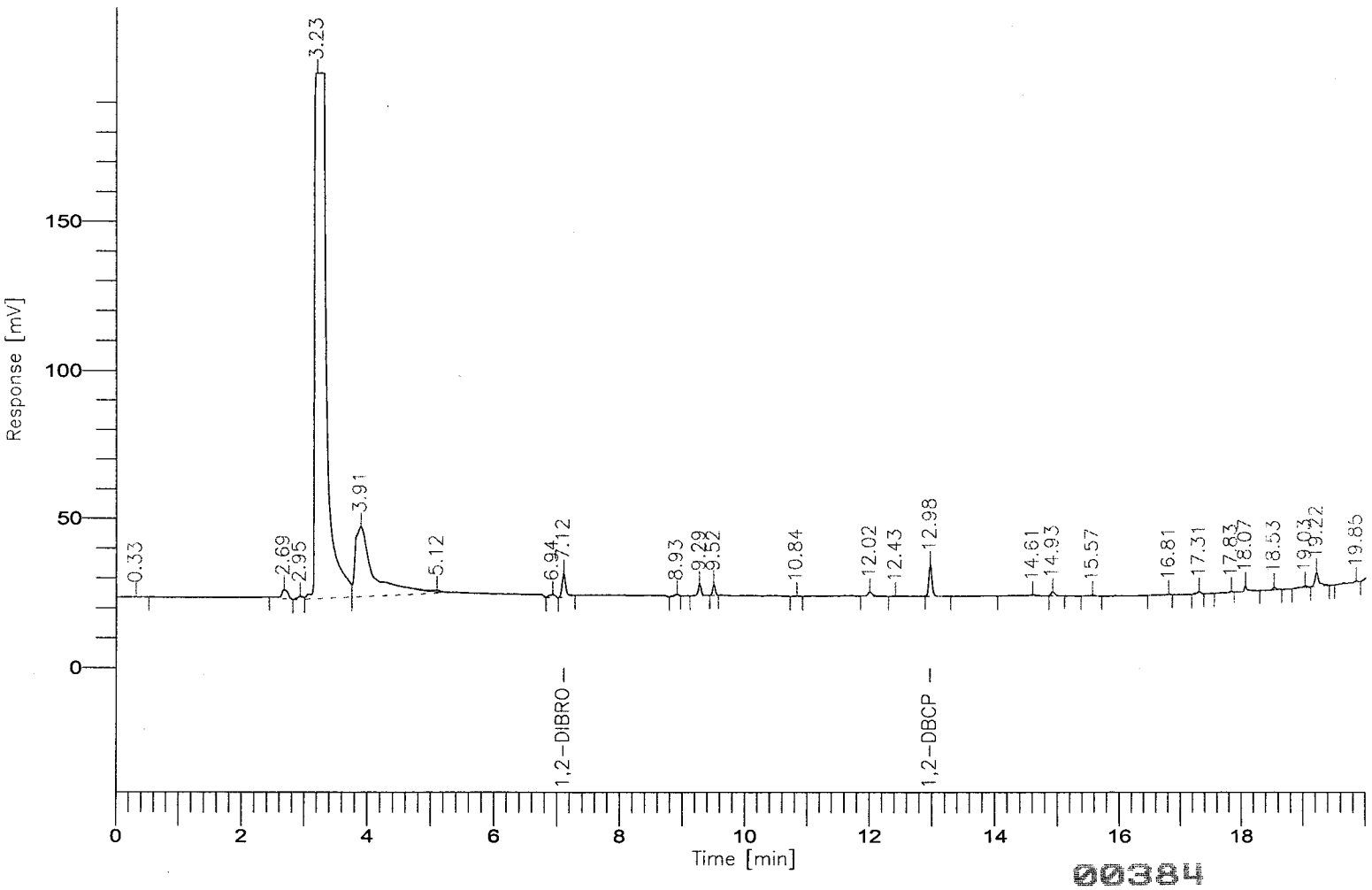
Software Version: 4.1<2F12>
Sample Name : L4 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 17:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL124.RAW
Result File : C:\TC4\158\JULY2012\BJUL124.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL124.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00384

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

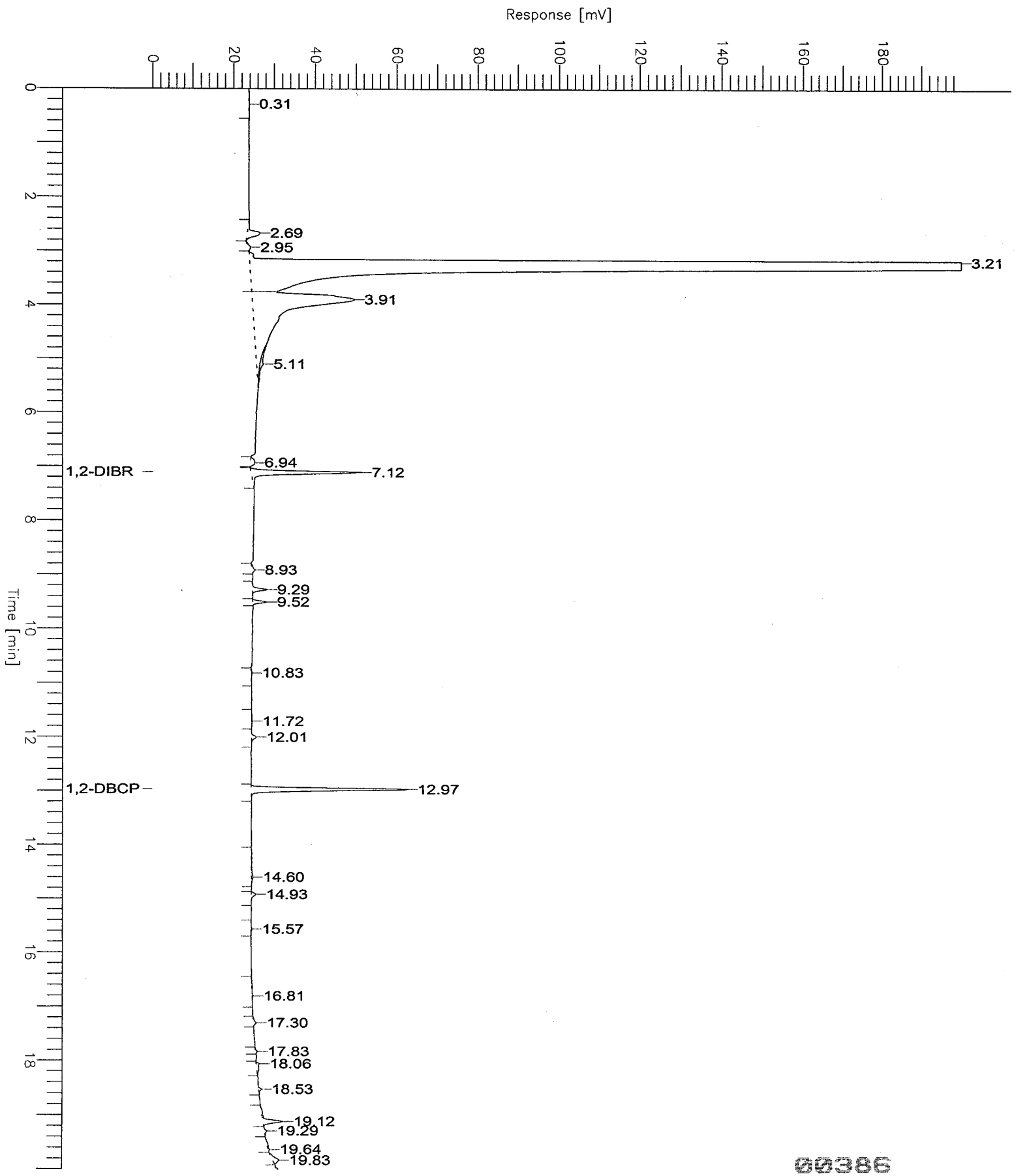
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0030	8047.05	32419.00	35	2	0.16911
12.98	1,2-DBCP (2C)	0.0029	10621.47	35667.00	35	2	0.16439
			18668.52	68086.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL124.TX0

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\JULY2012\BJUL126.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 18:18
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00386

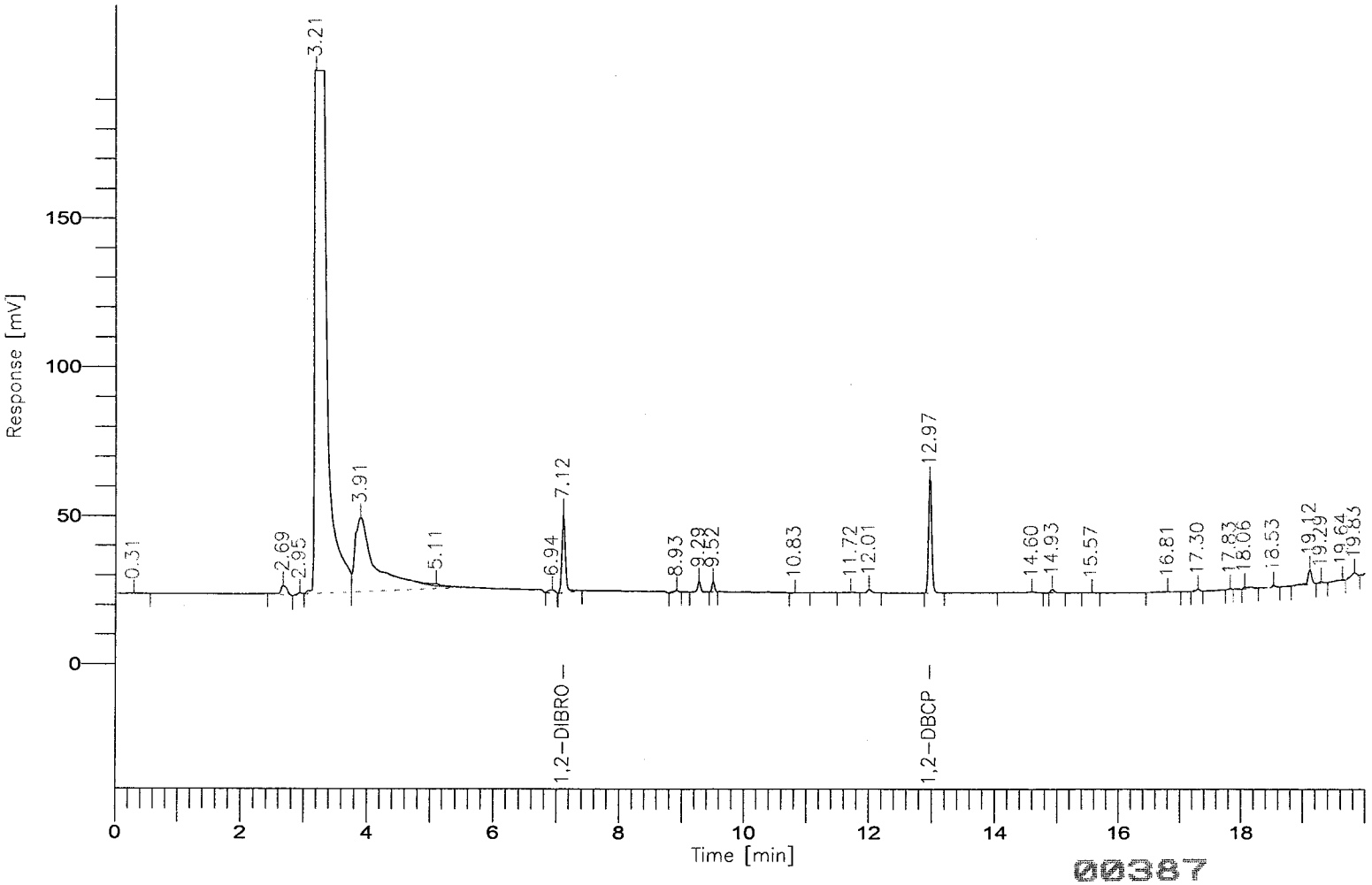
Software Version: 4.1<2F12>
Sample Name : L6 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 18:18
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL126.RAW
Result File : C:\TC4\158\JULY2012\BJUL126.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL126.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00387

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0112	27504.29	106256.00	35	2	0.63784
12.97	1,2-DBCP (2C)	0.0112	40289.10	135399.00	35	2	0.64032
			67793.39	241655.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL126.TX0

INITIAL CALIBRATION STANDARDS
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2H06025

SDG: KNM070512

Project: KNM

Calibration: 2H06011

Instrument: 158

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2080216	8011 L1	2H06025-CAL1	AAUG034-0	08/03/12 10:38
2080217	8011 L2	2H06025-CAL2	AAUG035-0	08/03/12 11:07
2080218	8011 L3	2H06025-CAL3	AAUG036-0	08/03/12 11:35
2080219	8011 L4	2H06025-CAL4	AAUG037-0	08/03/12 12:03
2080220	8011 L5	2H06025-CAL5	AAUG038-0	08/03/12 12:32
2080221	8011 L6	2H06025-CAL6	AAUG039-0	08/03/12 13:00
2080223	8011 SCV	2H06025-SCV1	AAUG040-0	08/03/12 13:29

00389

INITIAL CALIBRATION DATA
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2H06011

SDG: KNM070512

Project: KNM

Calibration Date: 08/03/12 08:14

Instrument: 158

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,2-Dibromoethane	0.00035	1.679457E+07	0.0007	1.4466E+07	0.0014	1.302839E+07	0.0028	1.249128E+07	0.0056	1.170668E+07	0.0112	1.097836E+07
1,2-Dibromo-3-chloropropane	0.00035	1.793943E+07	0.0007	1.628014E+07	0.0014	1.478981E+07	0.0028	1.431136E+07	0.0056	1.400254E+07	0.0112	1.325621E+07

INITIAL CALIBRATION DATA (Continued)
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2H06011

SDG: KNM070512

Project: KNM

Calibration Date: 08/03/12 08:14

Instrument: 158

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,2-Dibromoethane	1.324421E+07	15.91319	6.25	0	0.99911		0.99	
1,2-Dibromo-3-chloropropane	1.509658E+07	11.38759	11.67167	3.742556E-02			20	

00391

Turbochrom Method File : C:\TC4\158\AUG2012\EDB8032A.MTH
Created by : JDM on : 8/3/12 13:29
Edited by : BJH on : 8/3/12 13:43
Description :

Number of Times Edited : 3
Number of Times Calibrated : 196

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

ASC 8/6/12

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 20.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 2 µV
Area Threshold : 11.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +V at 4.885
Event #2 - S at 6.200

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 200.000 mV

Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE
Component Type : Single Peak Component
Retention Time : 6.252 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	24926.50	5878.10	----------	----------	1
2	0.0007	39638.00	10126.20	----------	----------	1
3	0.0014	66683.50	18239.74	----------	----------	1
4	0.0028	119141.00	34975.59	----------	----------	1
5	0.0056	217815.50	65557.42	----------	----------	1
6	0.0112	412009.00	122957.59	----------	----------	1

Calibration Curve : y = (3474.670610) + (10767572.611053)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999221

1,2-DIBROMO3CHLOROPROPANE
Component Type : Single Peak Component

Retention Time : 11.672 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Height / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

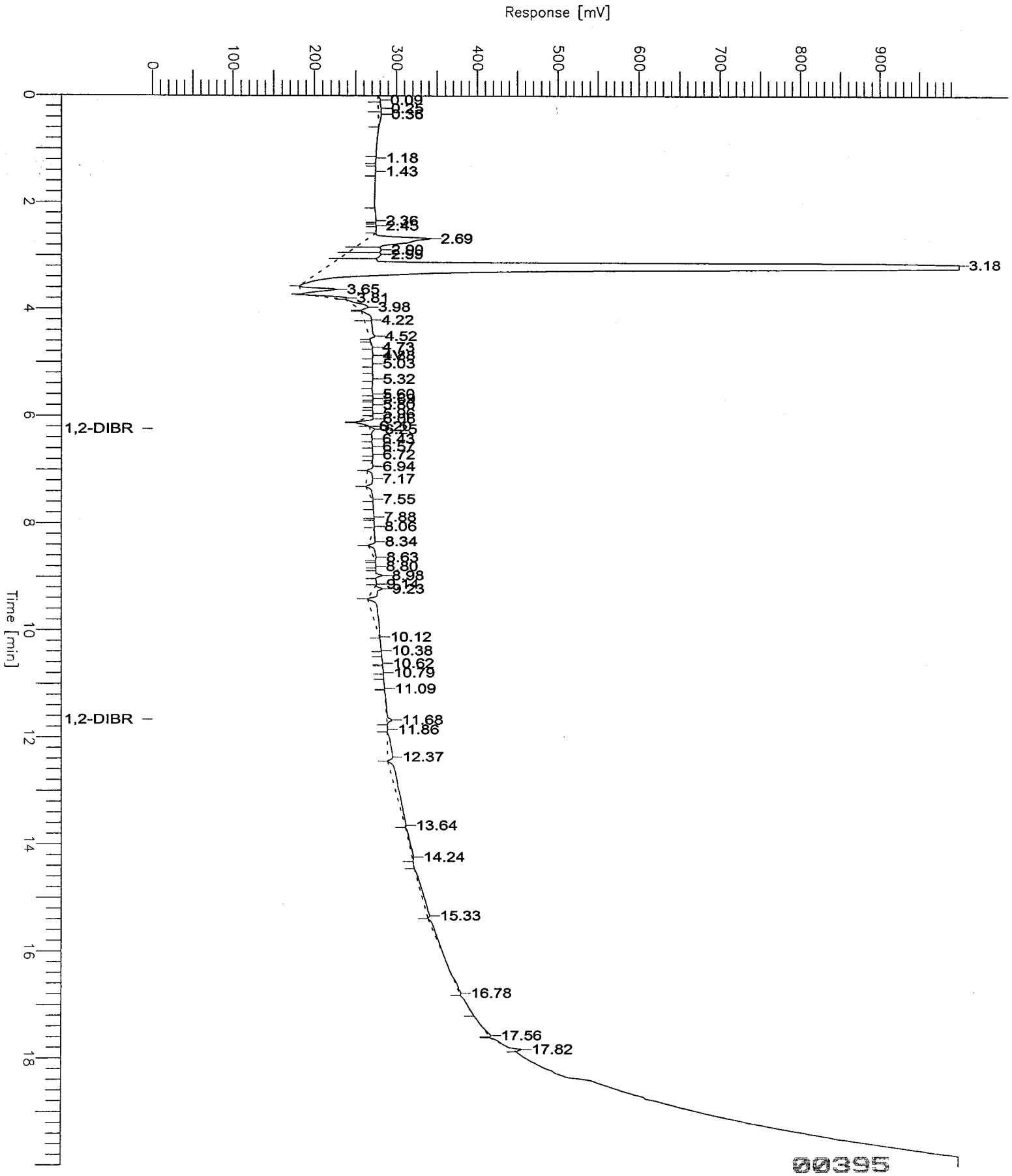
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	49410.50	6278.80	----------	----------	1
2	0.0007	78113.50	11396.10	----------	----------	1
3	0.0014	108616.00	20705.74	----------	----------	1
4	0.0028	166589.00	40071.80	----------	----------	1
5	0.0056	279353.00	78414.23	----------	----------	1
6	0.0112	580665.00	148469.64	----------	----------	1

Average Calibration Factor = 1.559490e+07 (%RSD = 17.96)

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\AUG2012\Aaug034.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 10:38
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00395

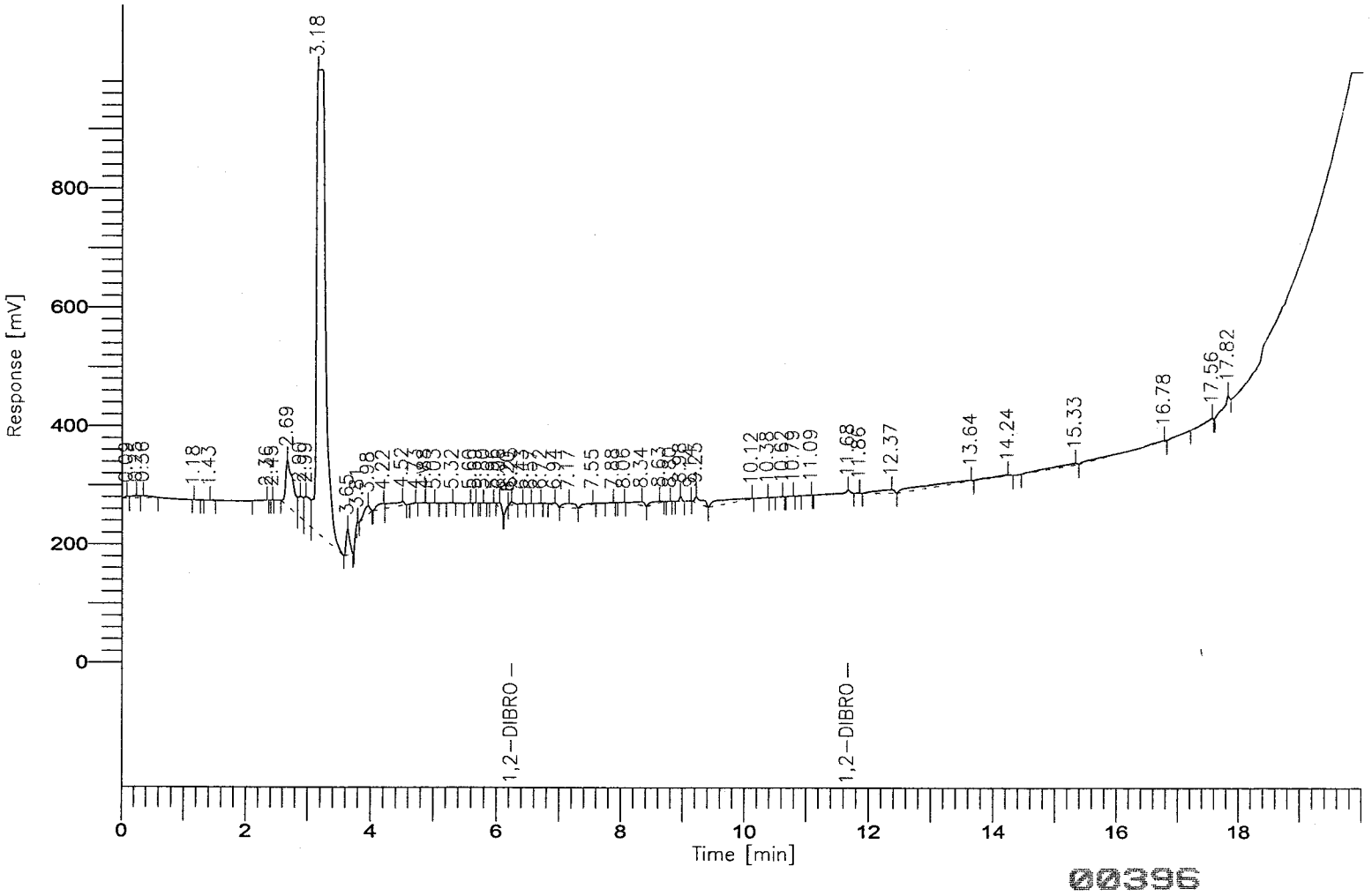
Software Version: 4.1<2F12>
Sample Name : L1 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 10:38
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG034.RAW
Result File : C:\TC4\158\AUG2012\AAUG034.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG034.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00396

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

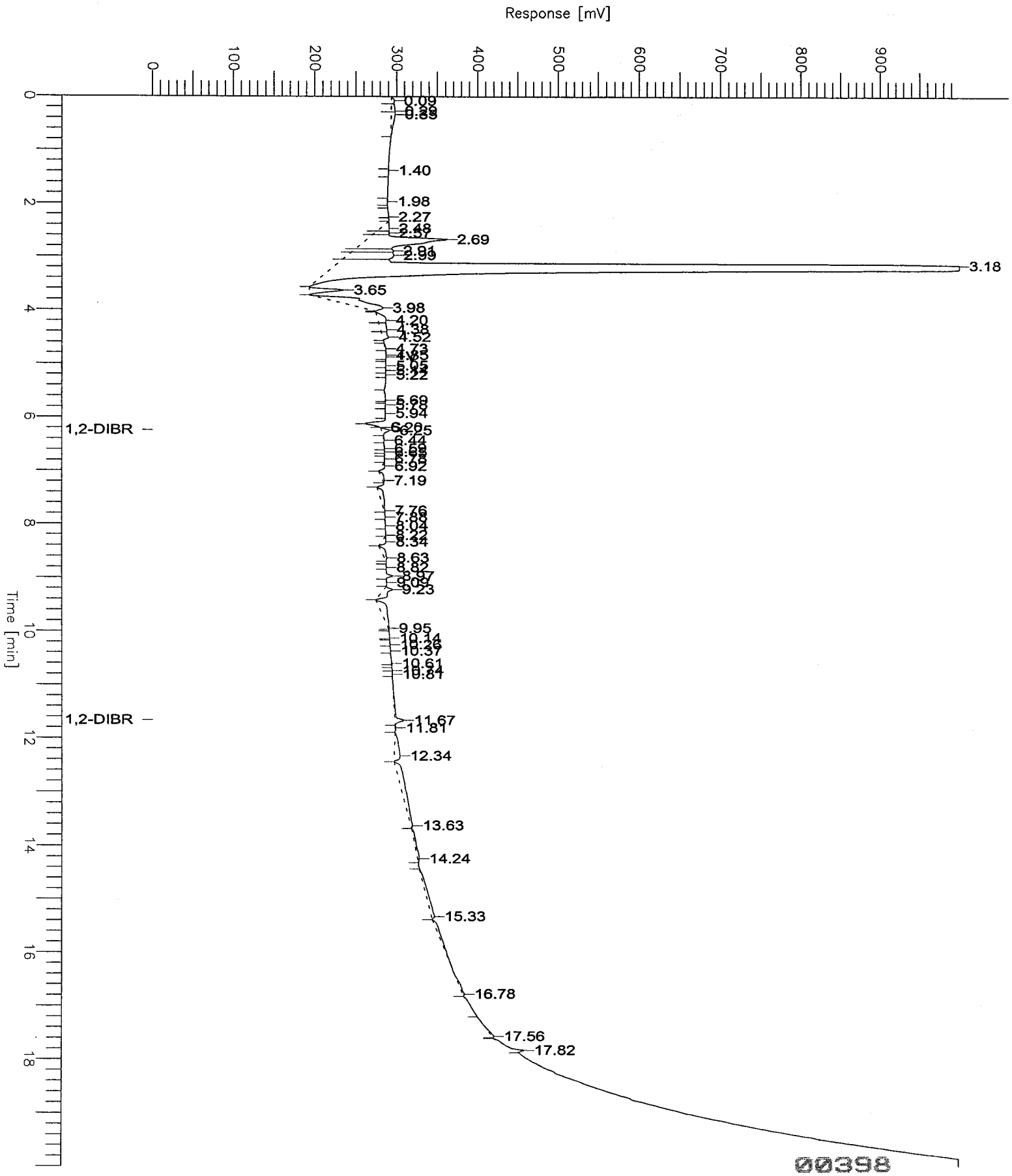
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0002	5878.10	24926.50	35	2	0.01275
11.67	1,2-DIBROMO3CHLOROPR	0.0004	6278.80	49410.50	35	2	0.02301
			12156.89	74337.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG034.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\AUG2012\Aaug035.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 11:07
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00398

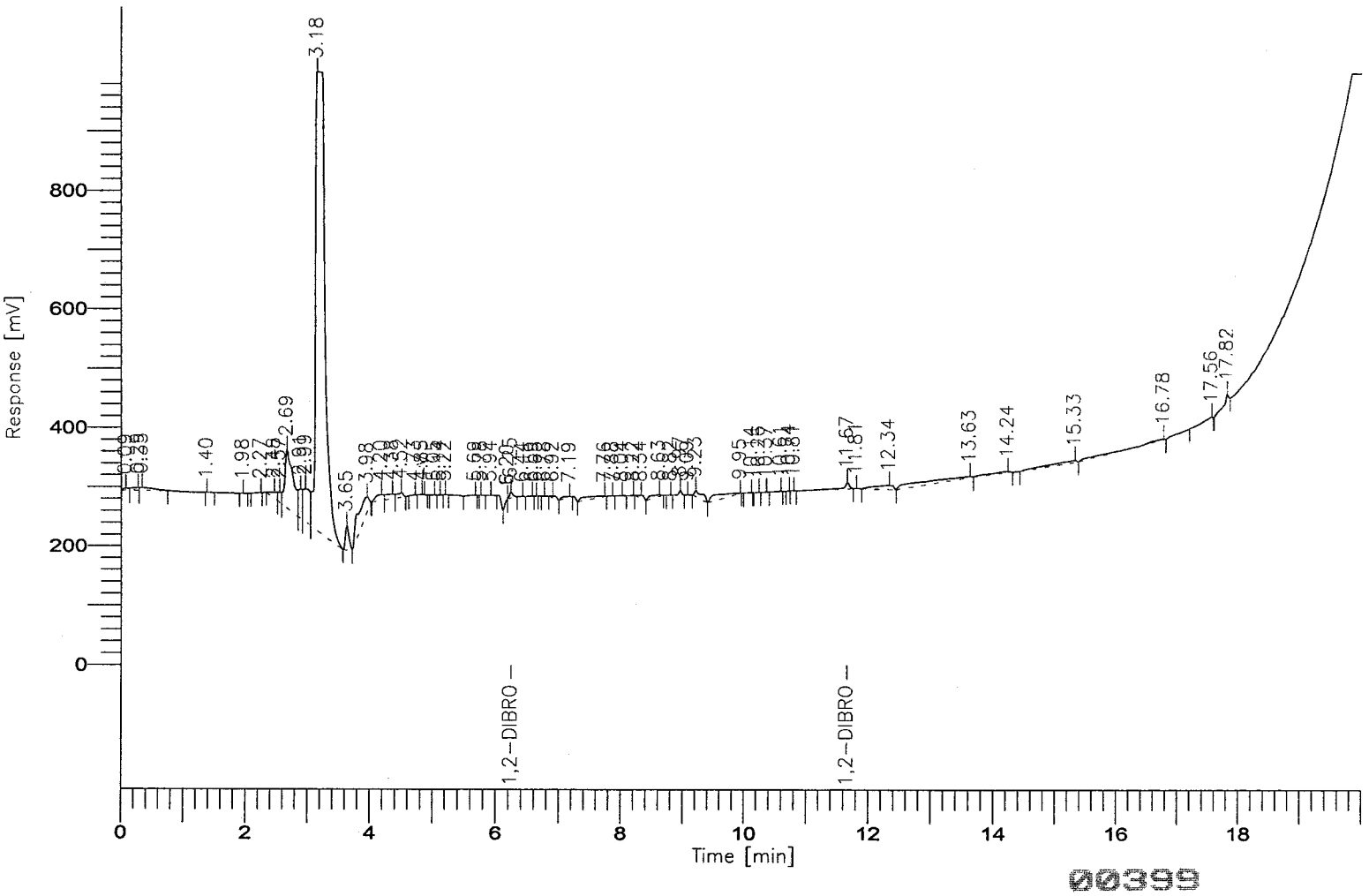
Software Version: 4.1<2F12>
Sample Name : L2 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 11:07
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG035.RAW
Result File : C:\TC4\158\AUG2012\AAUG035.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG035.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00399

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

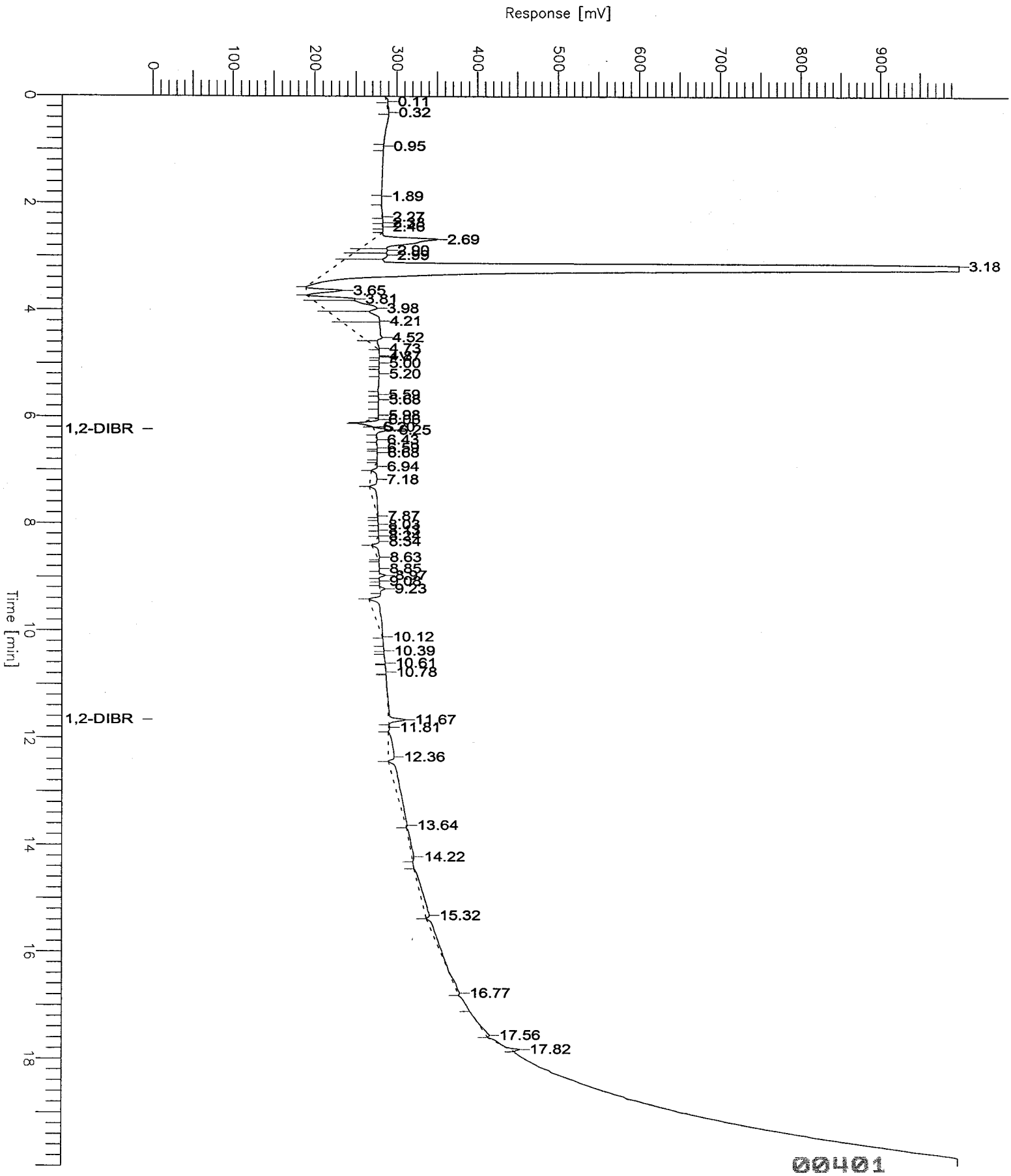
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0006	10126.20	39638.00	35	2	0.03530
11.67	1,2-DIBROMO3CHLOROPR	0.0007	11396.10	78113.50	35	2	0.04176
			21522.30	117751.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG035.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\AUG2012\Aaug036.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 11:35
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00401

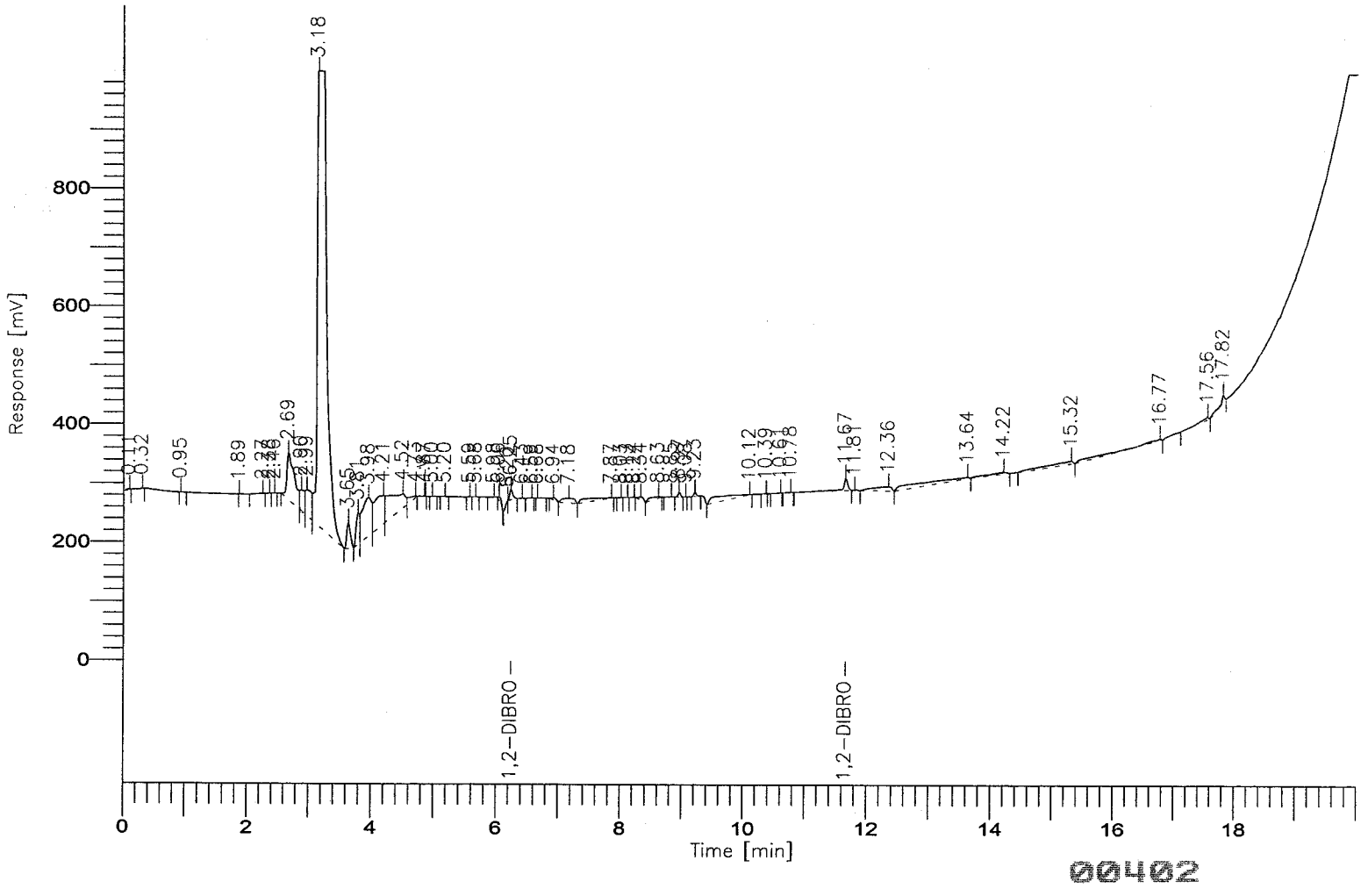
Software Version: 4.1<2F12>
Sample Name : L3 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 11:35
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG036.RAW
Result File : C:\TC4\158\AUG2012\AAUG036.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG036.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00402

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

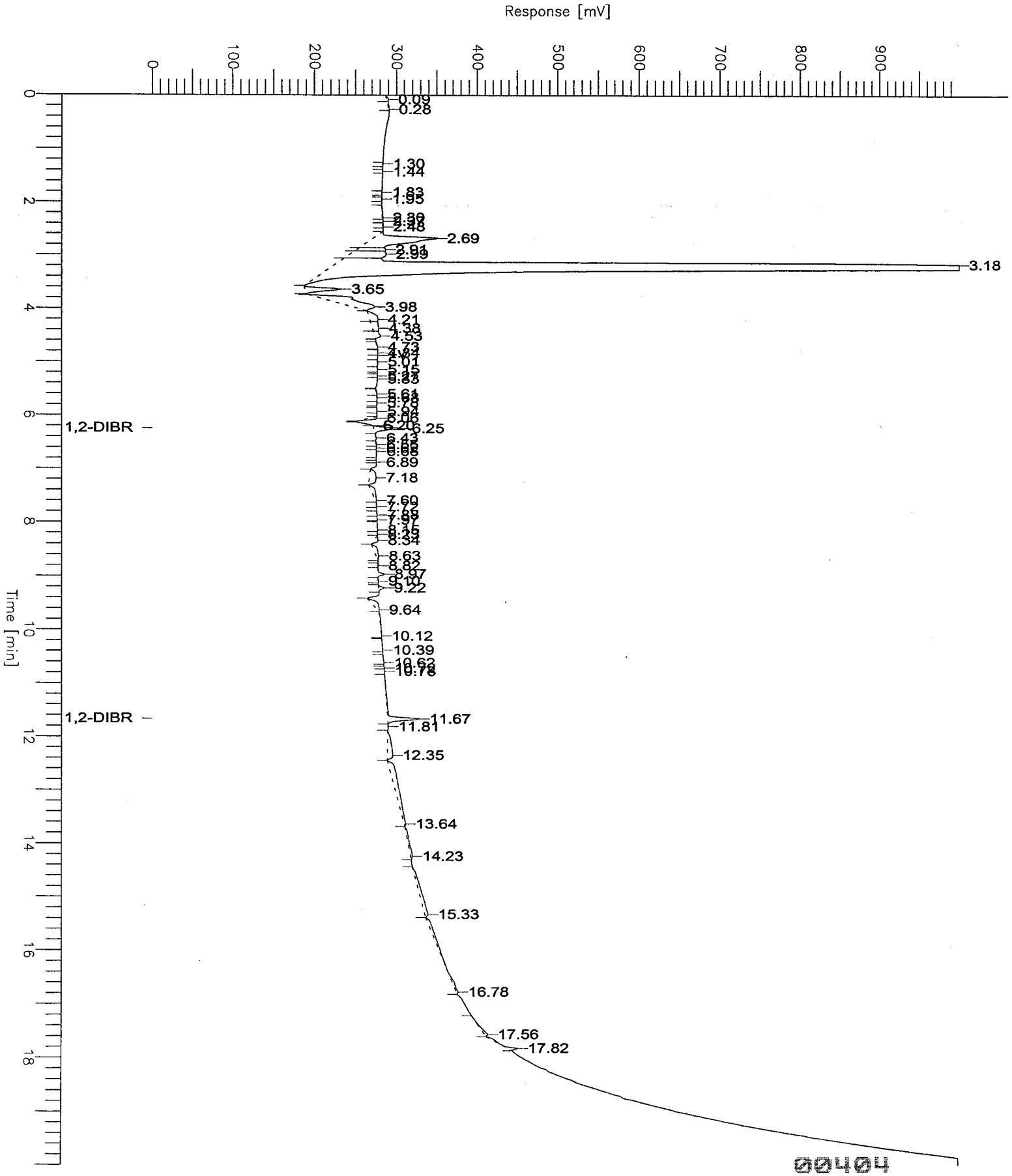
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0014	18239.74	66683.50	35	2	0.07836
11.67	1,2-DIBROMO3CHLOROPR	0.0013	20705.74	108616.00	35	2	0.07587
			38945.48	175299.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG036.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\AUG2012\Aaug037.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 12:03
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00404

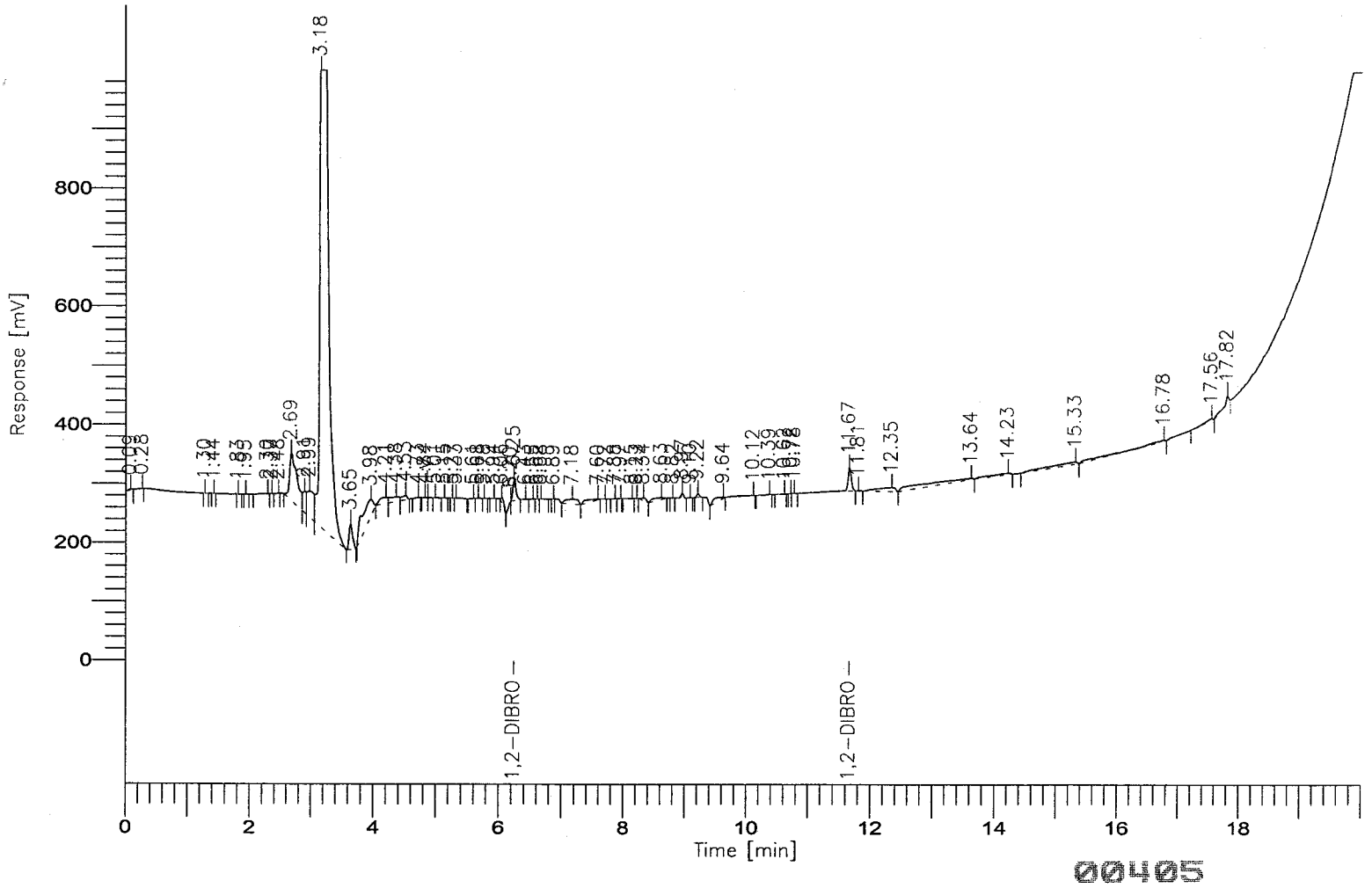
Software Version: 4.1<2F12>
Sample Name : L4 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 12:03
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG037.RAW
Result File : C:\TC4\158\AUG2012\AAUG037.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG037.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

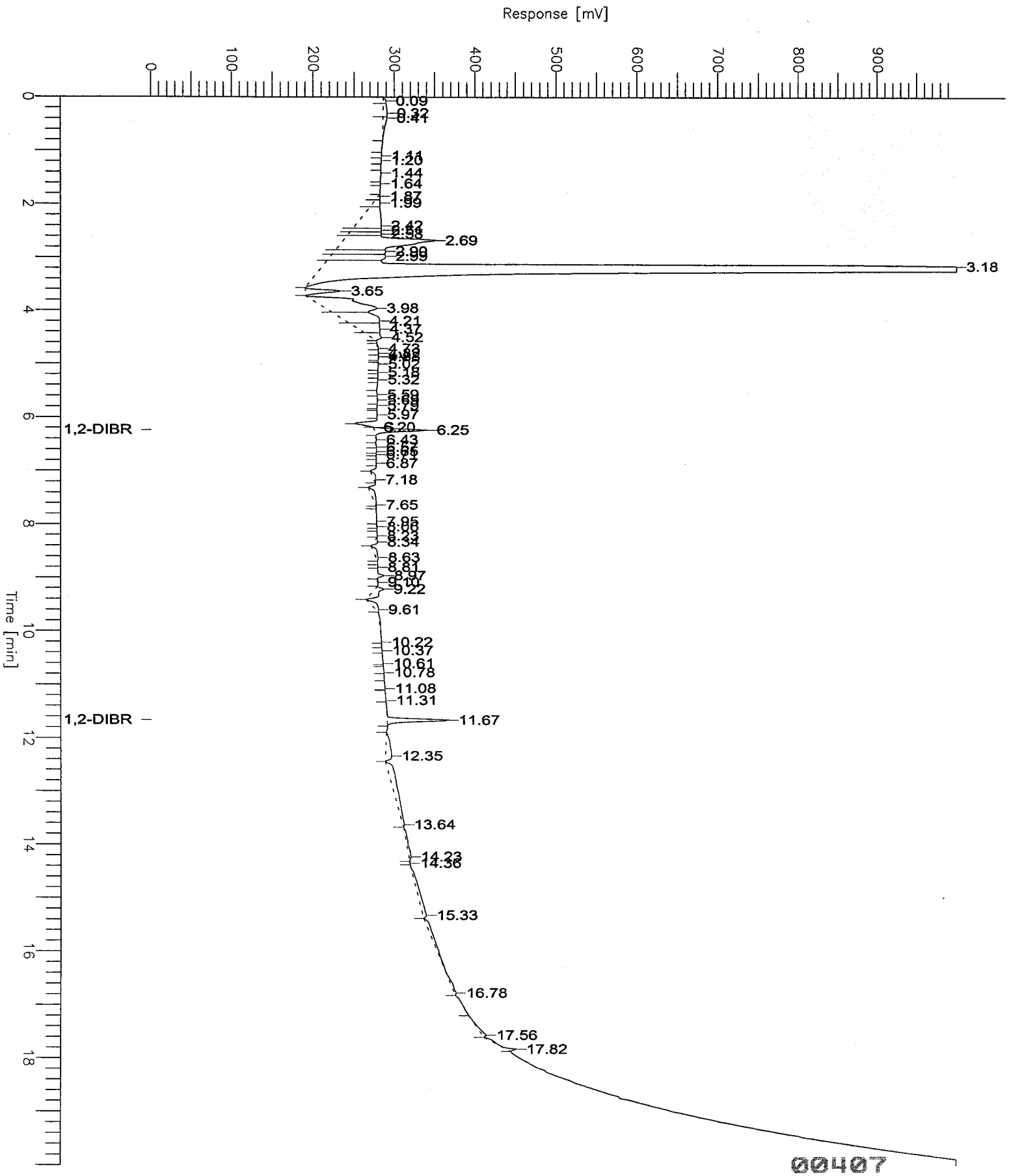
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0029	34975.59	119141.00	35	2	0.16717
11.67	1,2-DIBROMO3CHLOROPR	0.0026	40071.80	166589.00	35	2	0.14683
			75047.38	285730.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG037.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\AUG2012\Aaug038.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 12:32
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00407

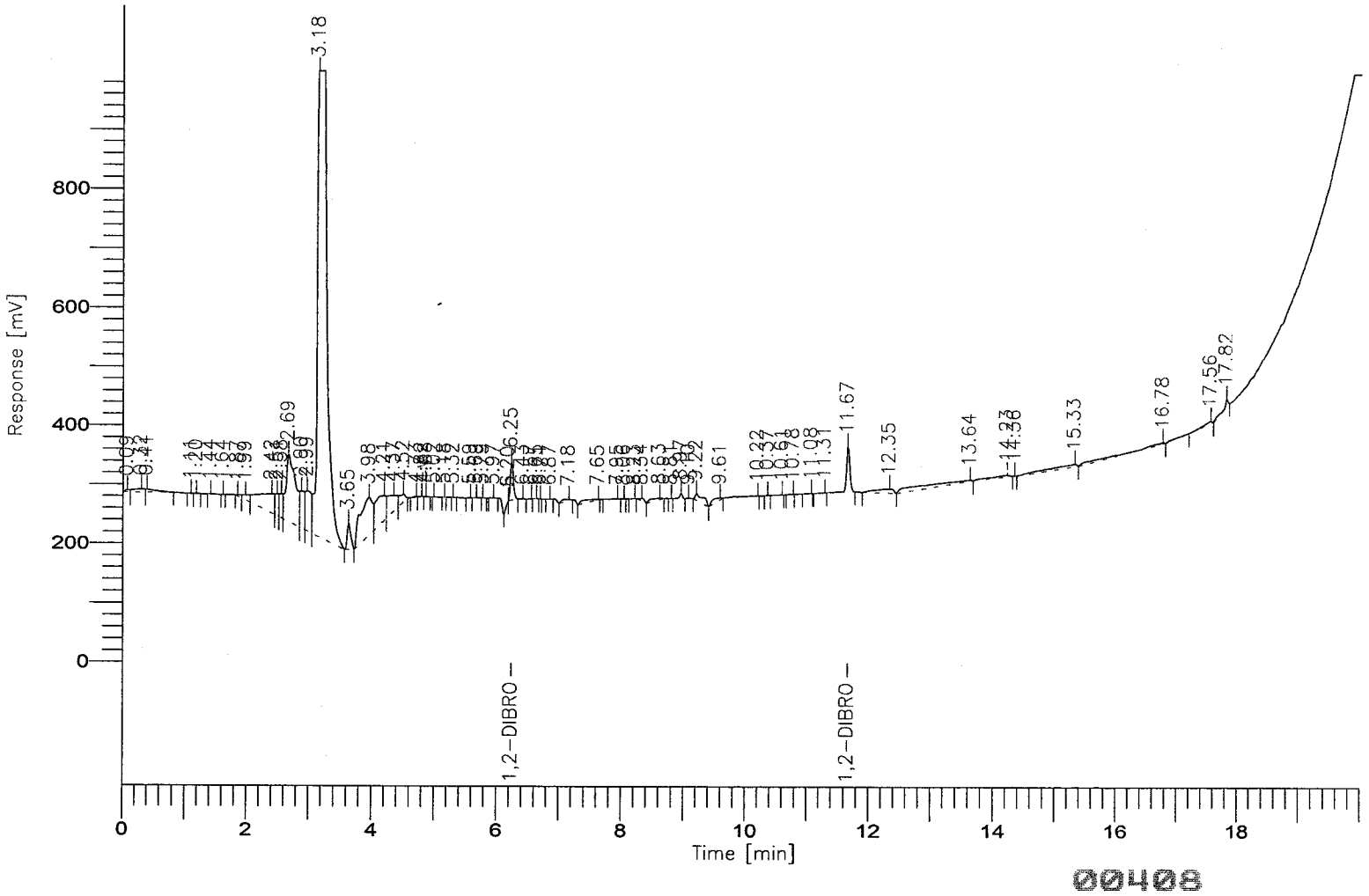
Software Version: 4.1<2F12>
Sample Name : L5 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 12:32
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG038.RAW
Result File : C:\TC4\158\AUG2012\AAUG038.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG038.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00408

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

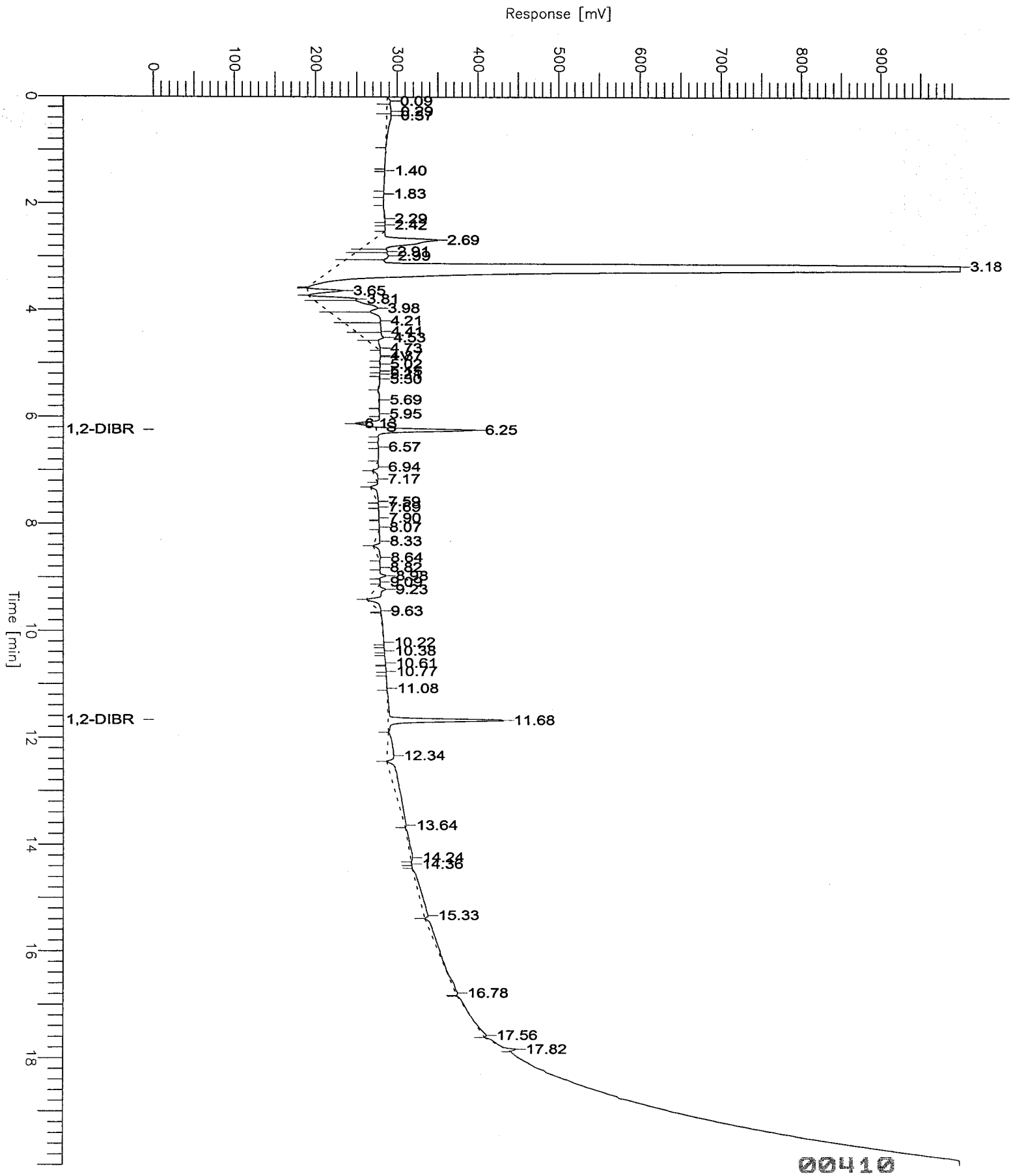
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0058	65557.42	217815.50	35	2	0.32947
11.67	1,2-DIBROMO3CHLOROPR	0.0050	78414.23	279353.00	35	2	0.28733
			143971.65	497168.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG038.TX0

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\AUG2012\Aaug039.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 13:00
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00410

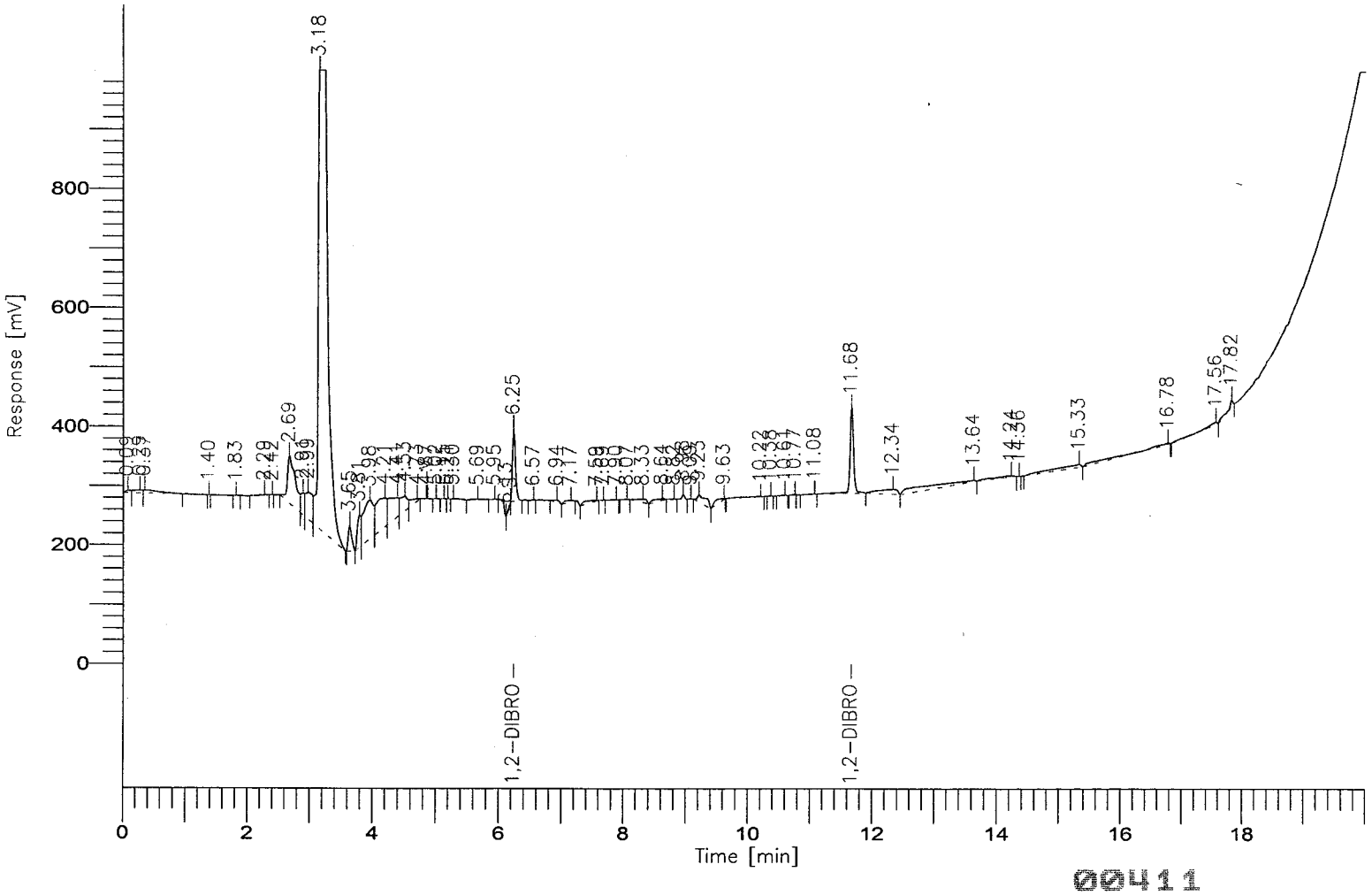
Software Version: 4.1<2F12>
Sample Name : L6 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:00
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG039.RAW
Result File : C:\TC4\158\AUG2012\AAUG039.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG039.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0111	122957.59	412009.00	35	2	0.63409
11.68	1,2-DIBROMO3CHLOROPR	0.0095	148469.64	580665.00	35	2	0.54402
			271427.22	992674.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG039.TX0

Turbochrom Method File : C:\TC4\158\AUG2012\EDB8032B.MTH
Created by : JDM on : 8/3/12 13:44
Edited by : BJH on : 8/3/12 13:46
Description :

Number of Times Edited : 2
Number of Times Calibrated : 211

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

ASC 8/6/12

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 29.50 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 2 points
Noise Threshold : 24 µV
Area Threshold : 119.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 200.000 mV

Number of Pages : 1

Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE (2C)
Component Type : Single Peak Component
Retention Time : 7.108 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	8187.00	1797.37	----------	----------	1
2	0.0007	17440.00	3412.21	----------	----------	1
3	0.0014	31134.00	6049.16	----------	----------	1
4	0.0028	50178.00	11164.45	----------	----------	1
5	0.0056	82758.00	20133.60	----------	----------	1
6	0.0112	153152.00	38214.50	----------	----------	1

Calibration Curve : y = (1287.620047) + (3320253.637400)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999207

1,2-DBCP (2C)
Component Type : Single Peak Component
Retention Time : 12.950 min Search Window: 3.00 s, 1.70 %

Reference Component:
Find peak closest to expected RT in window
Use Average Calibration Factor (Height / Amount)
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

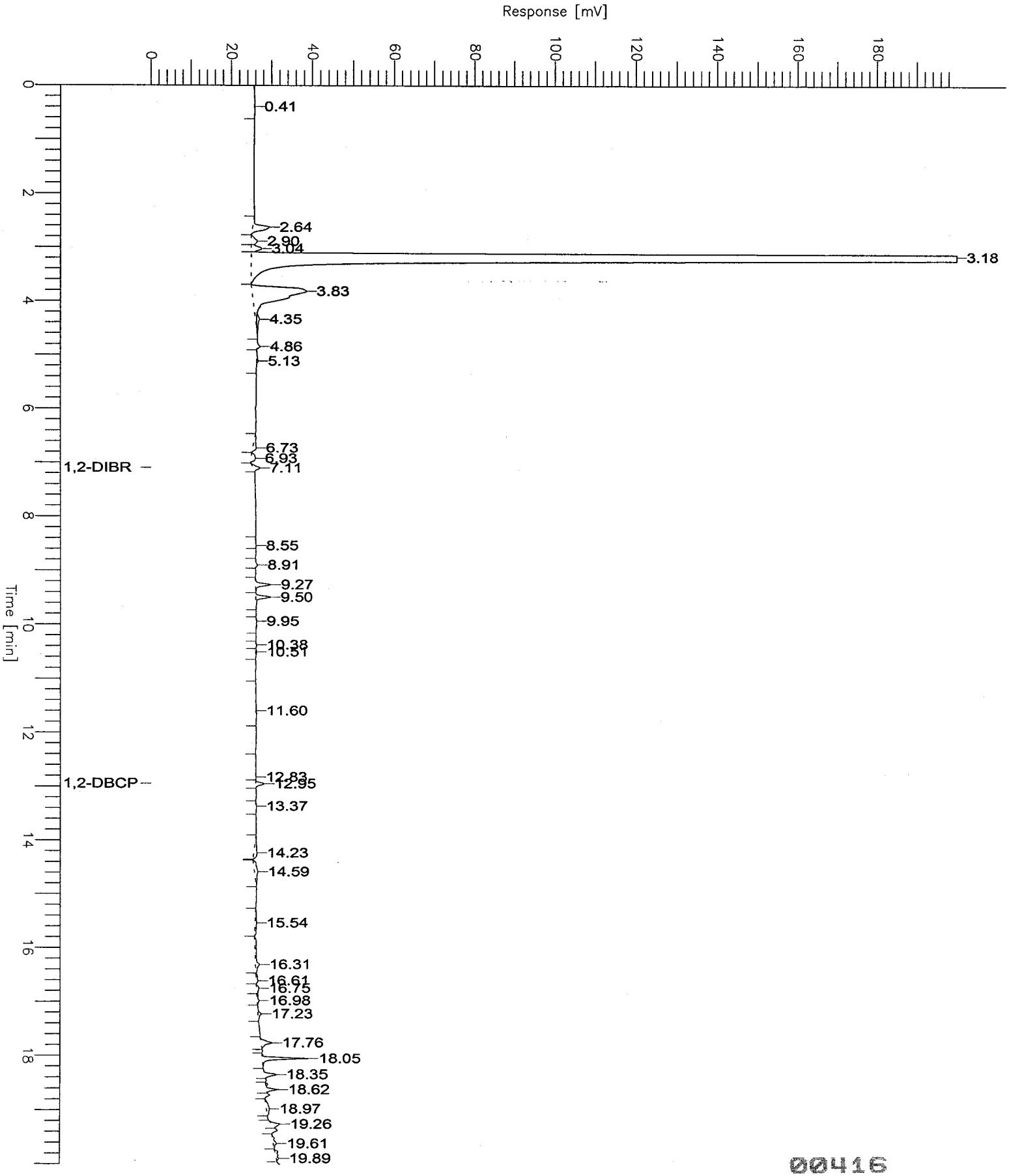
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	6833.50	2139.74	----------	----------	1
2	0.0007	15436.00	4201.40	----------	----------	1
3	0.0014	28281.50	8102.04	----------	----------	1
4	0.0028	53678.00	16224.56	----------	----------	1
5	0.0056	107298.00	32240.81	----------	----------	1
6	0.0112	216056.50	64210.51	----------	----------	1

Average Calibration Factor = 6.034416e+06 (%RSD = 9.06)

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\AUG2012\Baug034.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 10:38
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00416

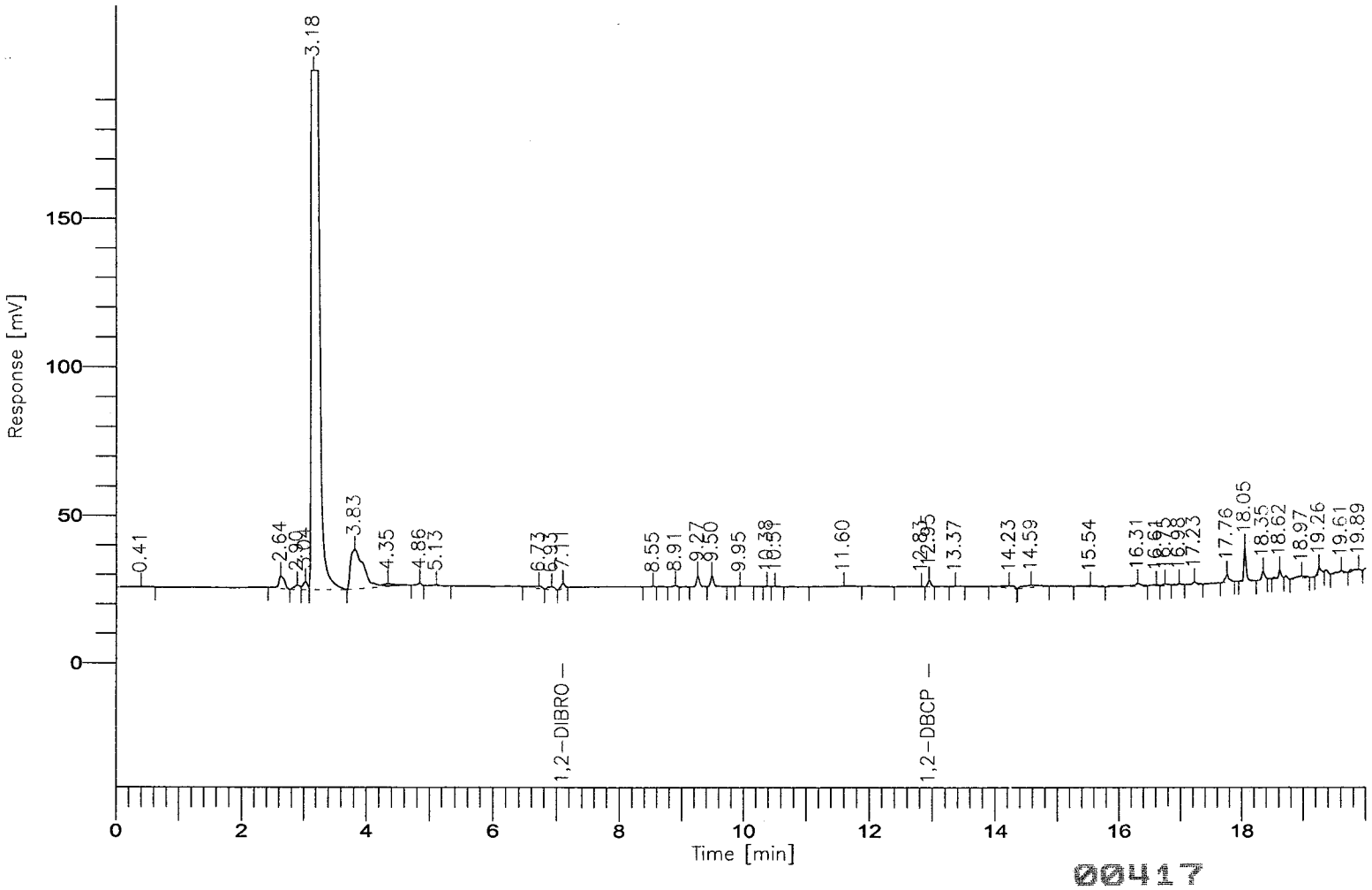
Software Version: 4.1<2F12>
Sample Name : L1 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 10:38
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG034.RAW
Result File : C:\TC4\158\AUG2012\BAUG034.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG034.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00417

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

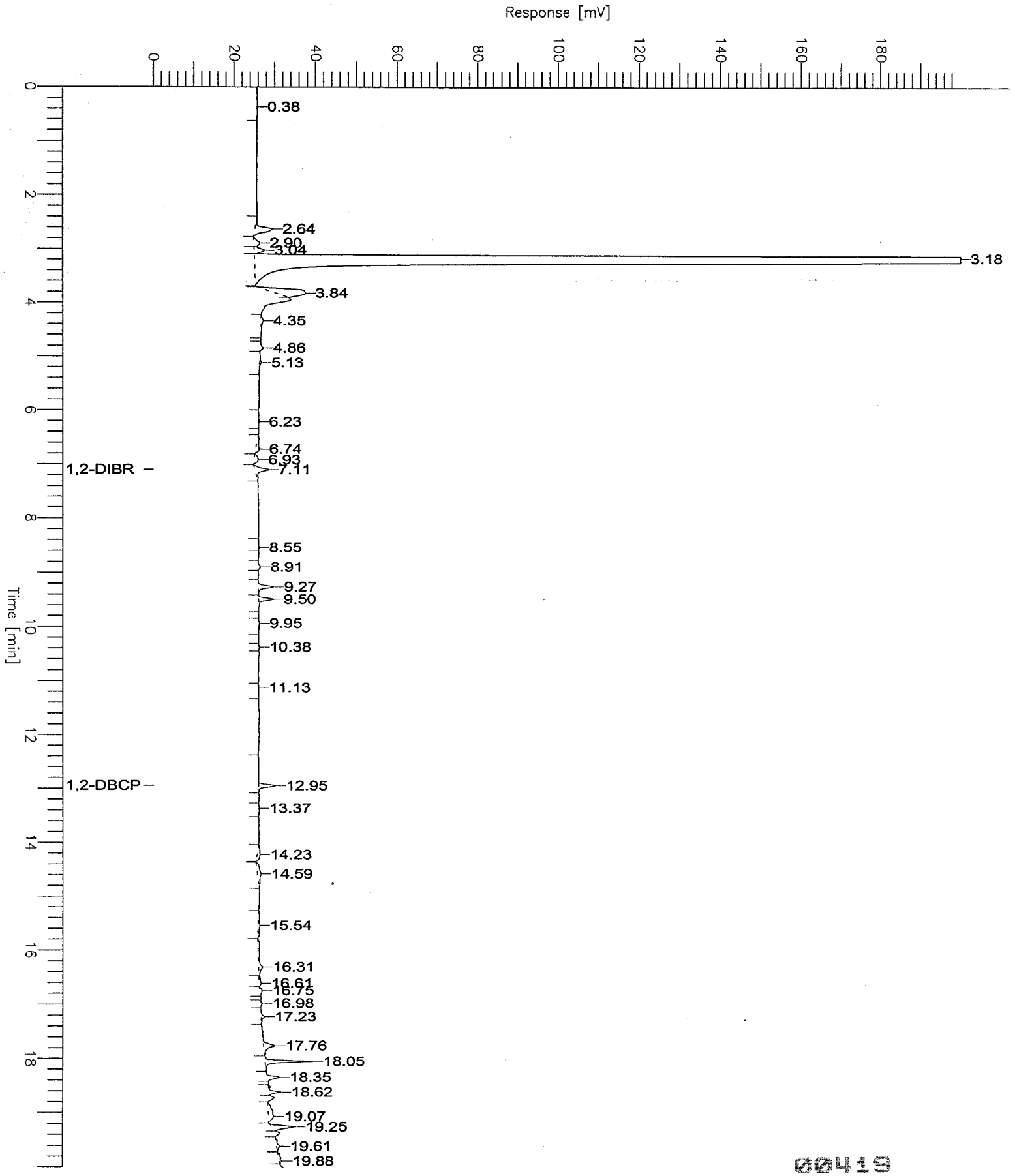
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0002	1797.37	8187.00	35	2	0.00877
12.95	1,2-DBCP (2C)	0.0004	2139.74	6833.50	35	2	0.02026
			3937.12	15020.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG034.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\AUG2012\Baug035.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 11:07
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00419

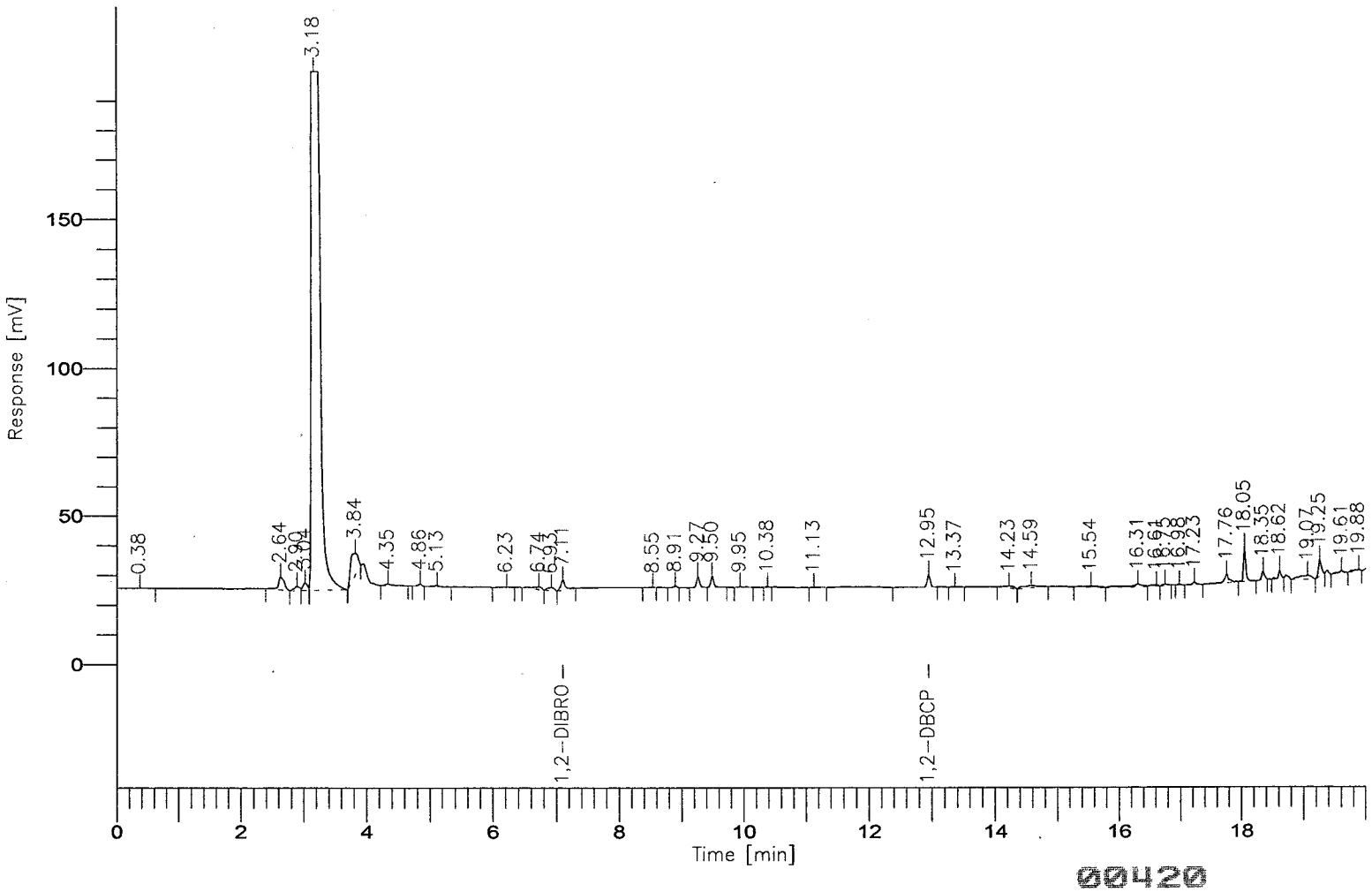
Software Version: 4.1<2F12>
Sample Name : L2 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 11:07
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG035.RAW
Result File : C:\TC4\158\AUG2012\BAUG035.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG035.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00420

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

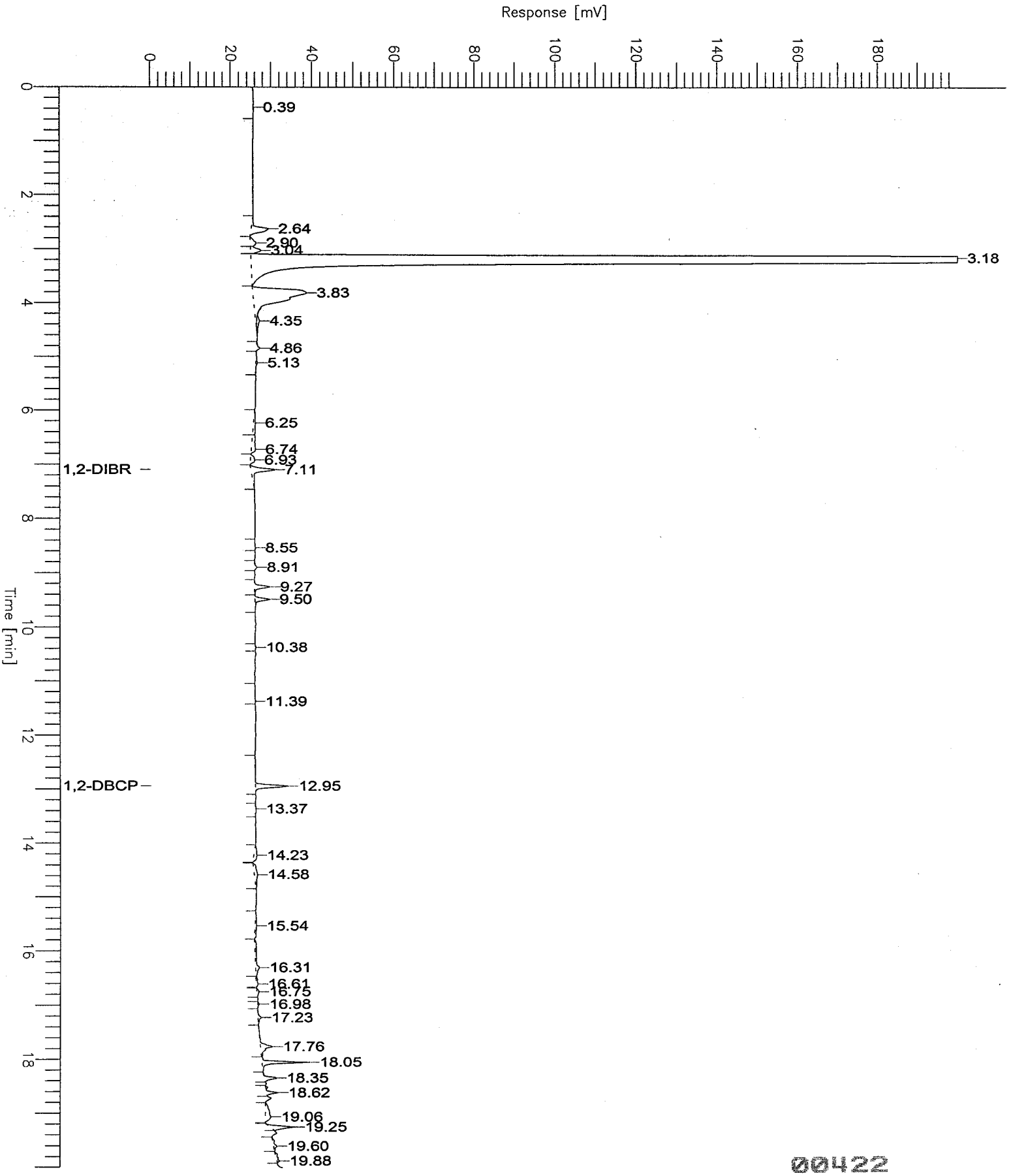
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0006	3412.21	17440.00	35	2	0.03656
12.95	1,2-DBCP (2C)	0.0007	4201.40	15436.00	35	2	0.03979
			7613.60	32876.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG035.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\AUG2012\Baug036.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 11:35
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00422

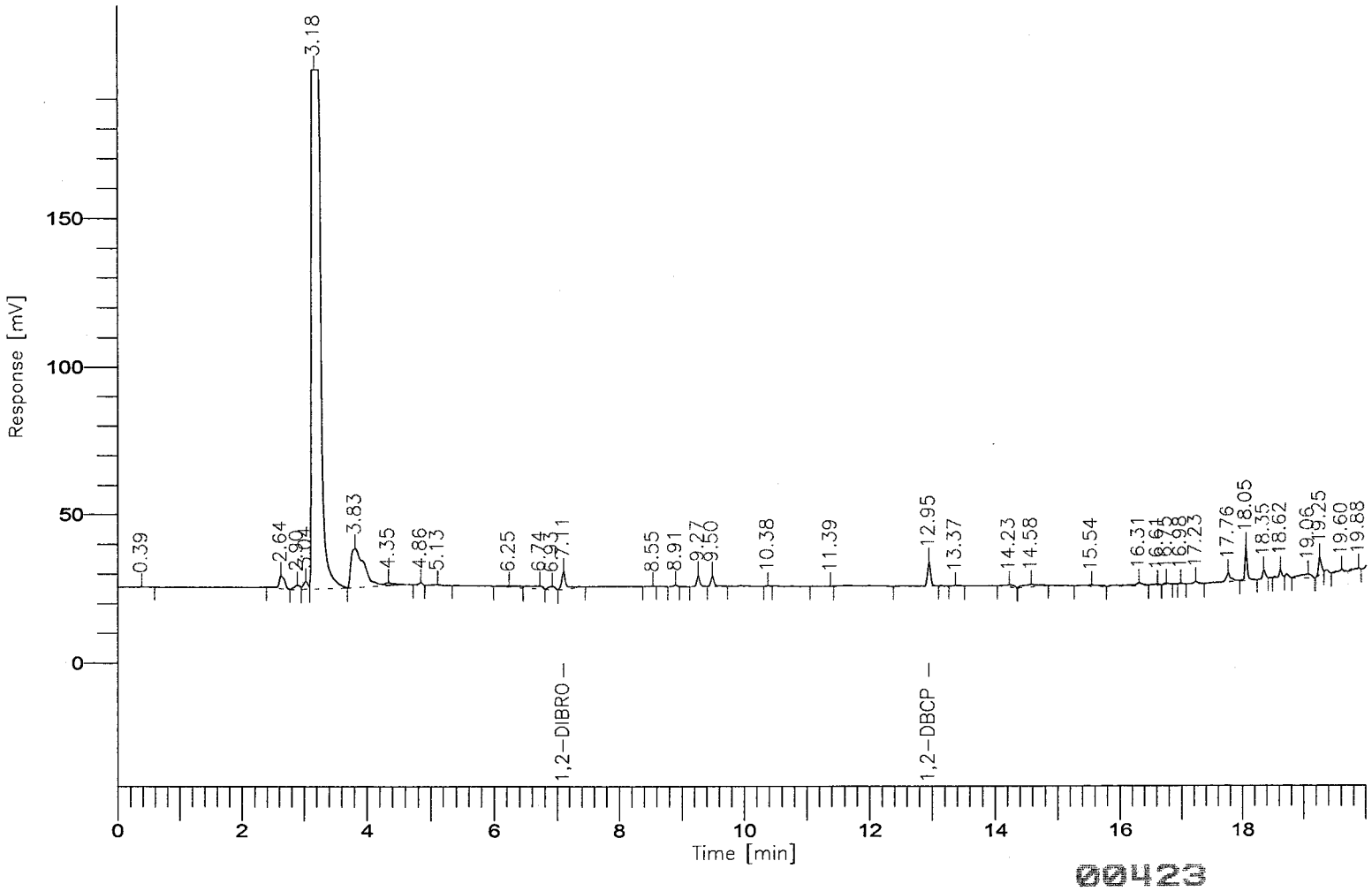
Software Version: 4.1<2F12>
Sample Name : L3 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 11:35
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG036.RAW
Result File : C:\TC4\158\AUG2012\BAUG036.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG036.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00423

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

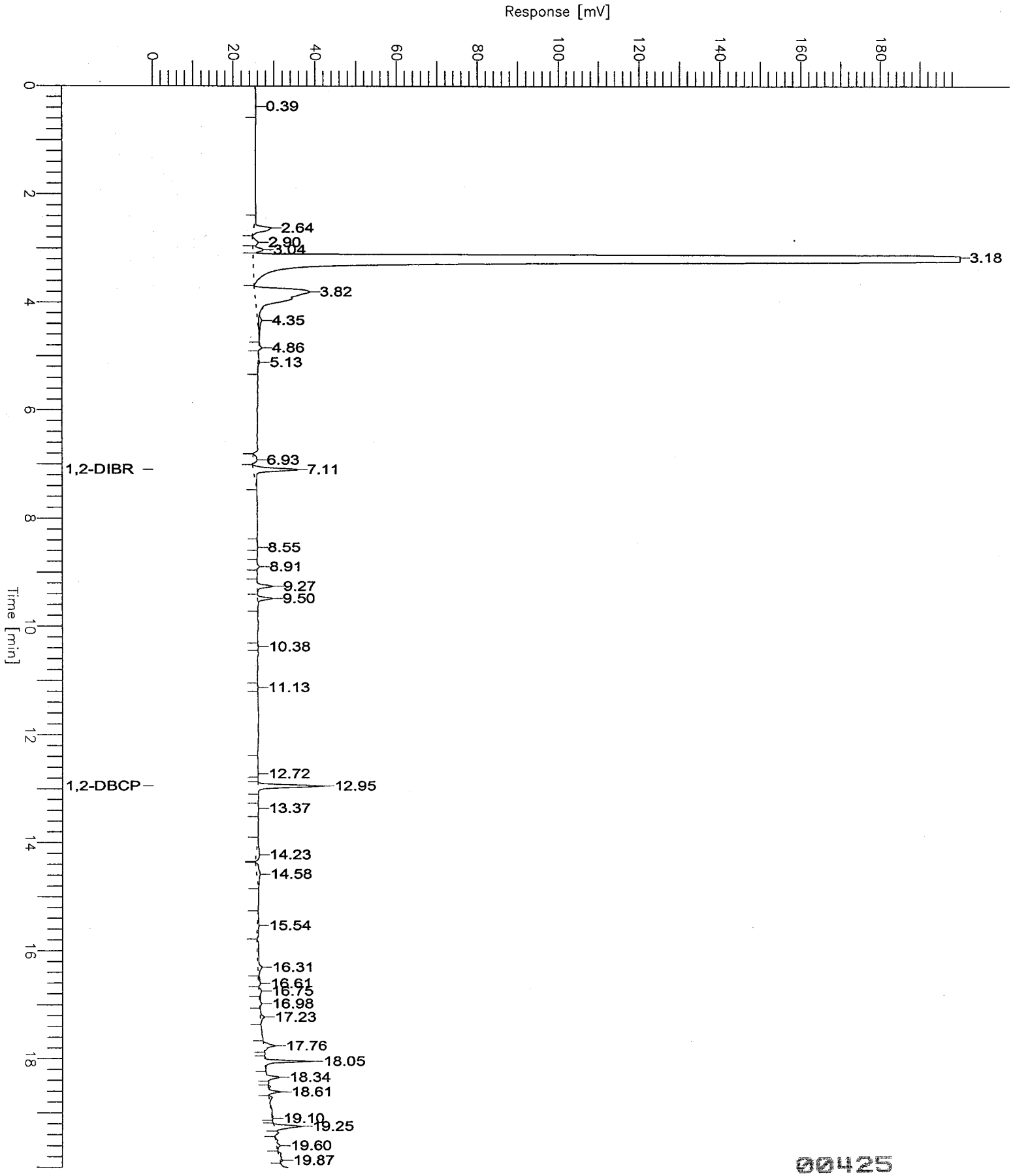
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0014	6049.16	31134.00	35	2	0.08195
12.95	1,2-DBCP (2C)	0.0013	8102.04	28281.50	35	2	0.07672
			14151.21	59415.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG036.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\AUG2012\Baug037.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 12:03
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00425

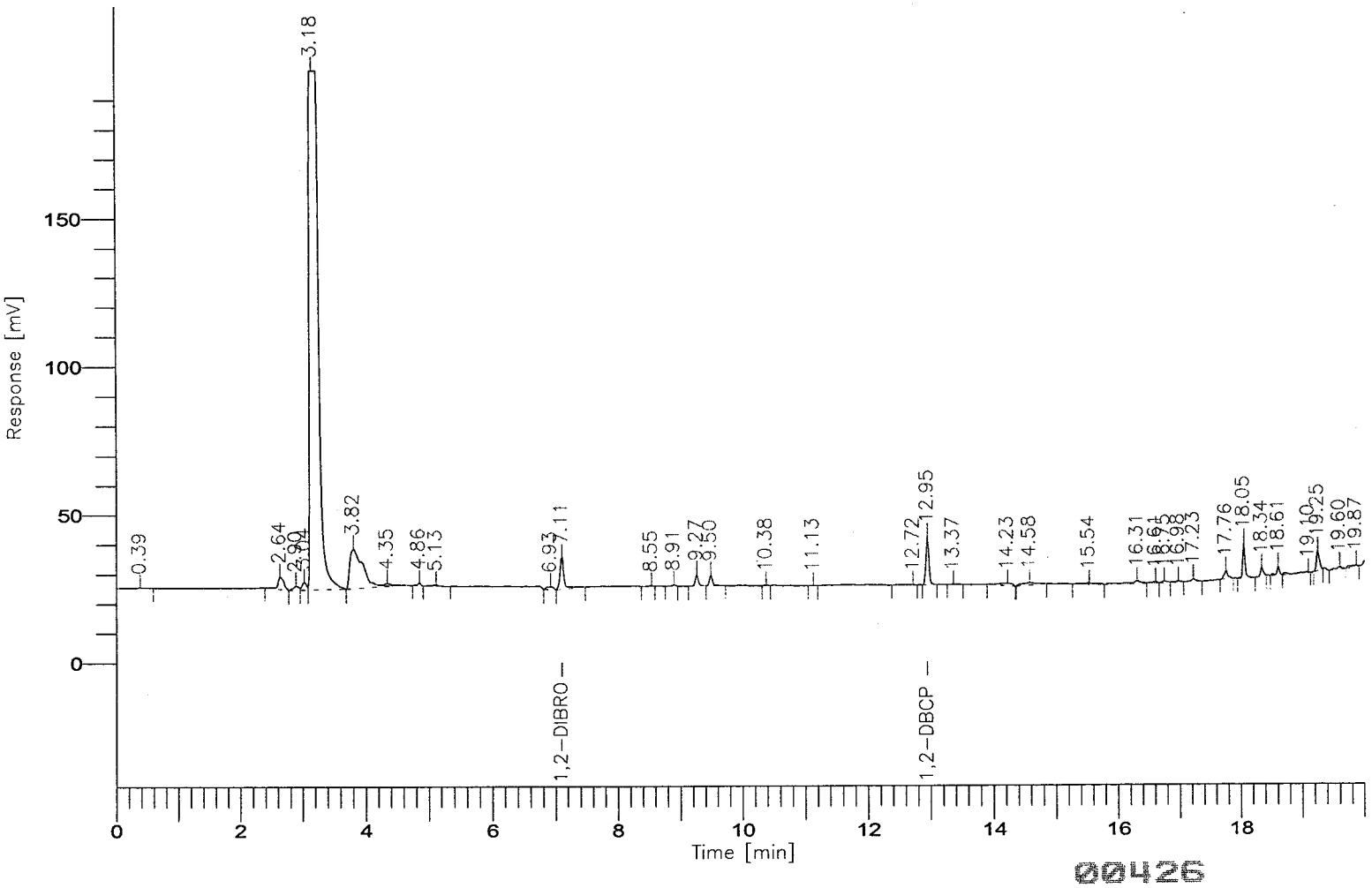
Software Version: 4.1<2F12>
Sample Name : L4 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 12:03
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG037.RAW
Result File : C:\TC4\158\AUG2012\BAUG037.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG037.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00426

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

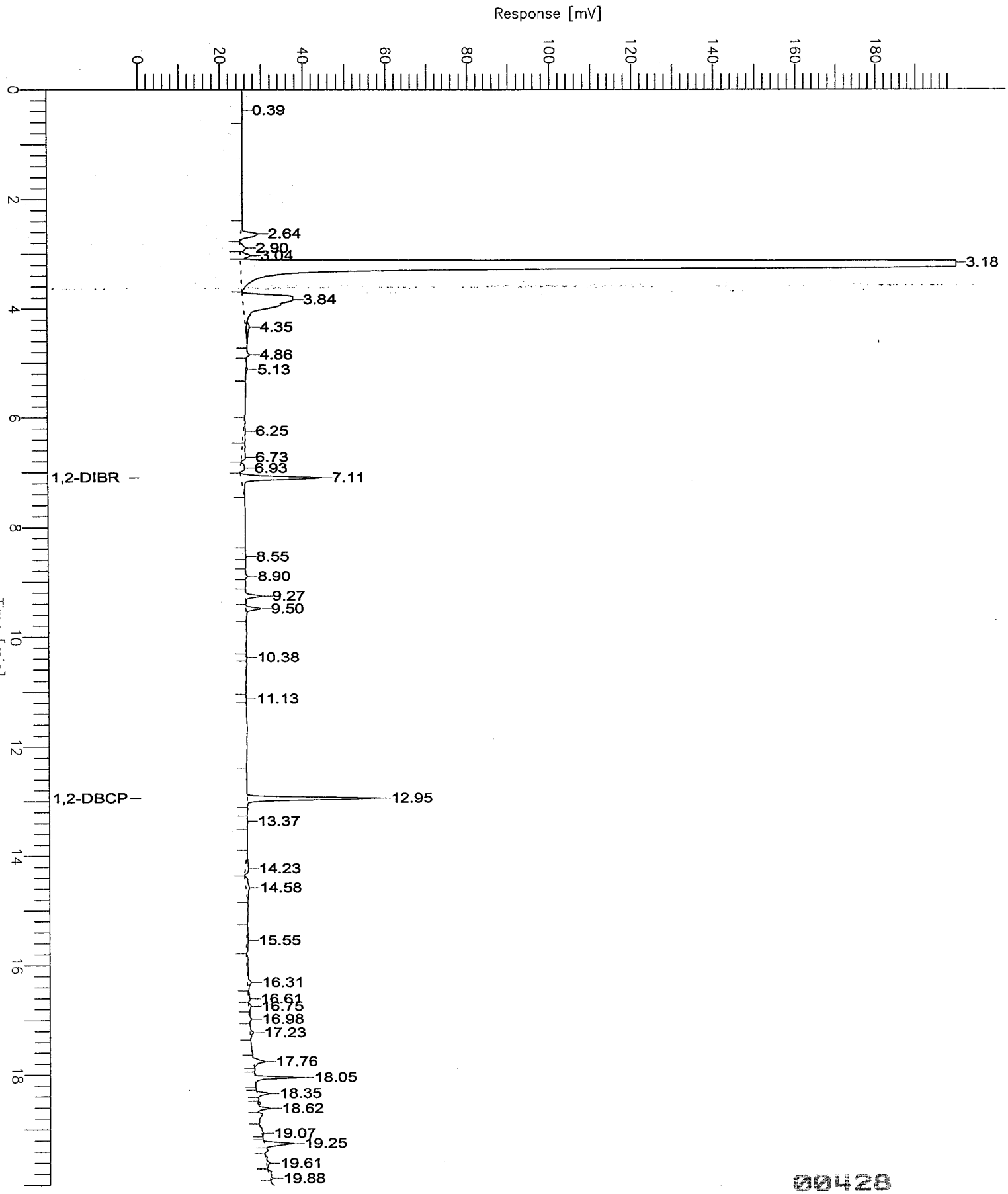
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0030	11164.45	50178.00	35	2	0.16998
12.95	1,2-DBCP (2C)	0.0027	16224.56	53678.00	35	2	0.15364
			27389.02	103856.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG037.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\AUG2012\Baug038.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 12:32
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00428

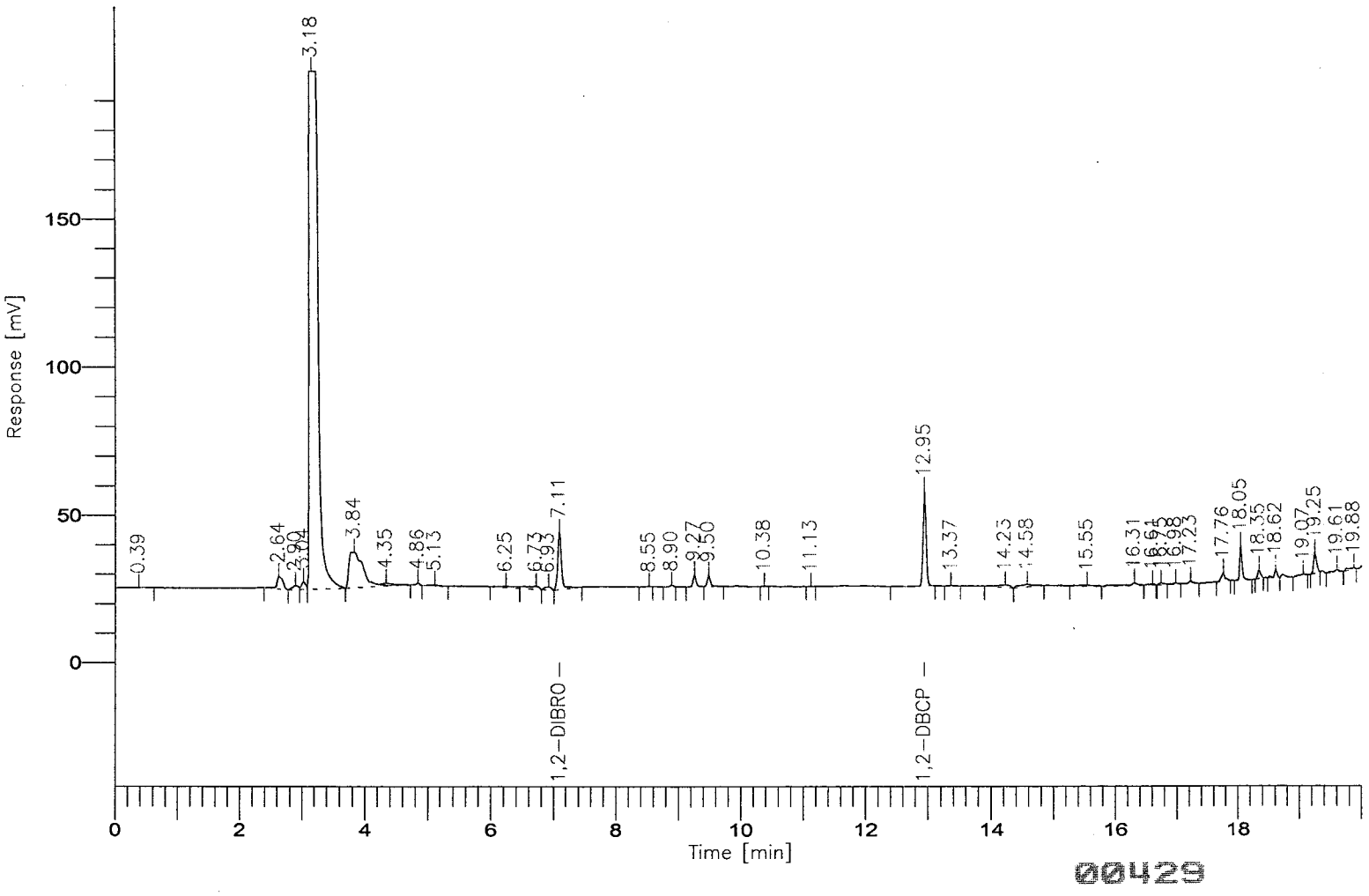
Software Version: 4.1<2F12>
Sample Name : L5 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 12:32
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG038.RAW
Result File : C:\TC4\158\AUG2012\BAUG038.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG038.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00429

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

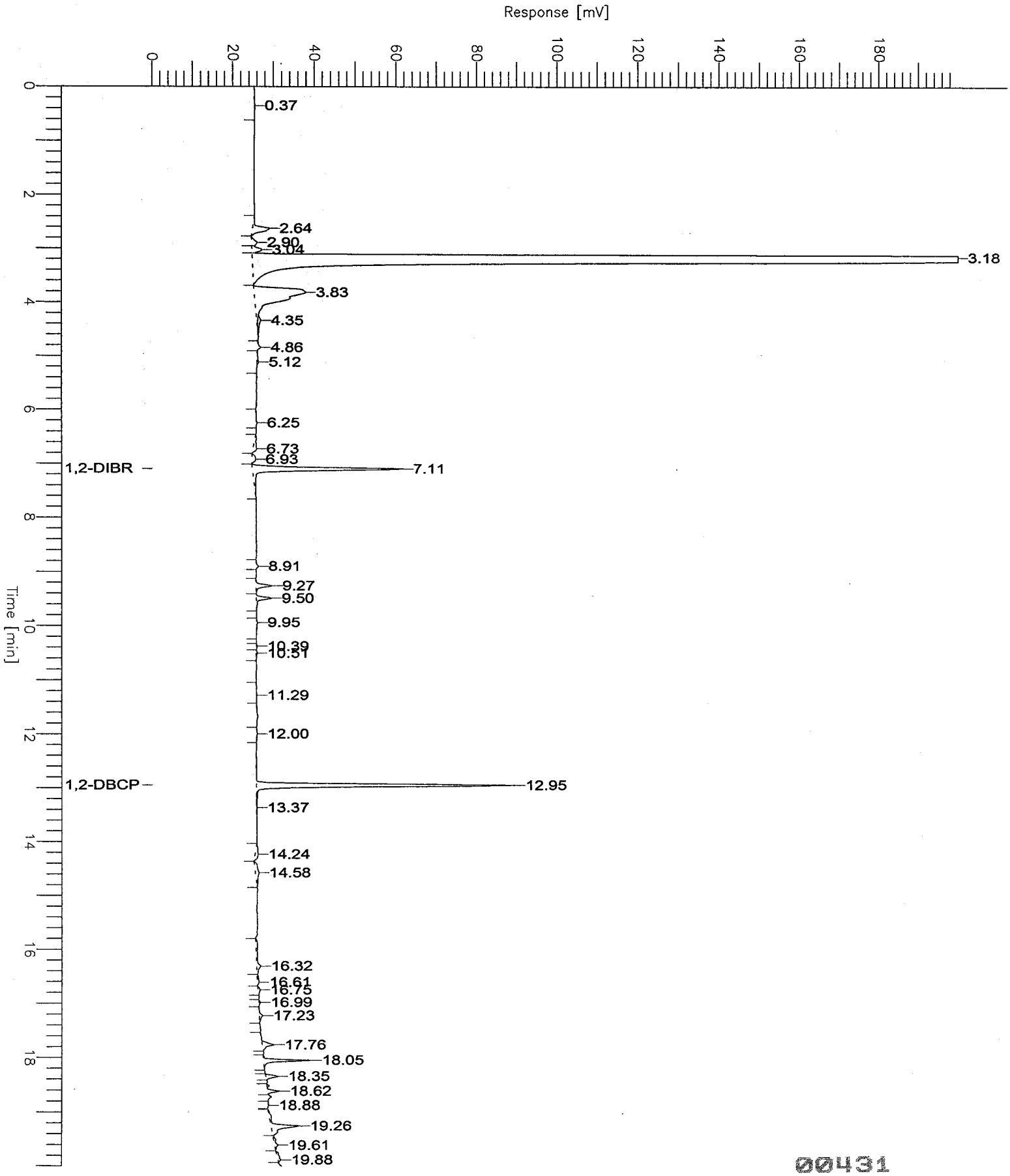
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0057	20133.60	82758.00	35	2	0.32435
12.95	1,2-DBCP (2C)	0.0053	32240.81	107298.00	35	2	0.30530
			52374.41	190056.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG038.TX0

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\AUG2012\Baug039.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 13:00
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00431

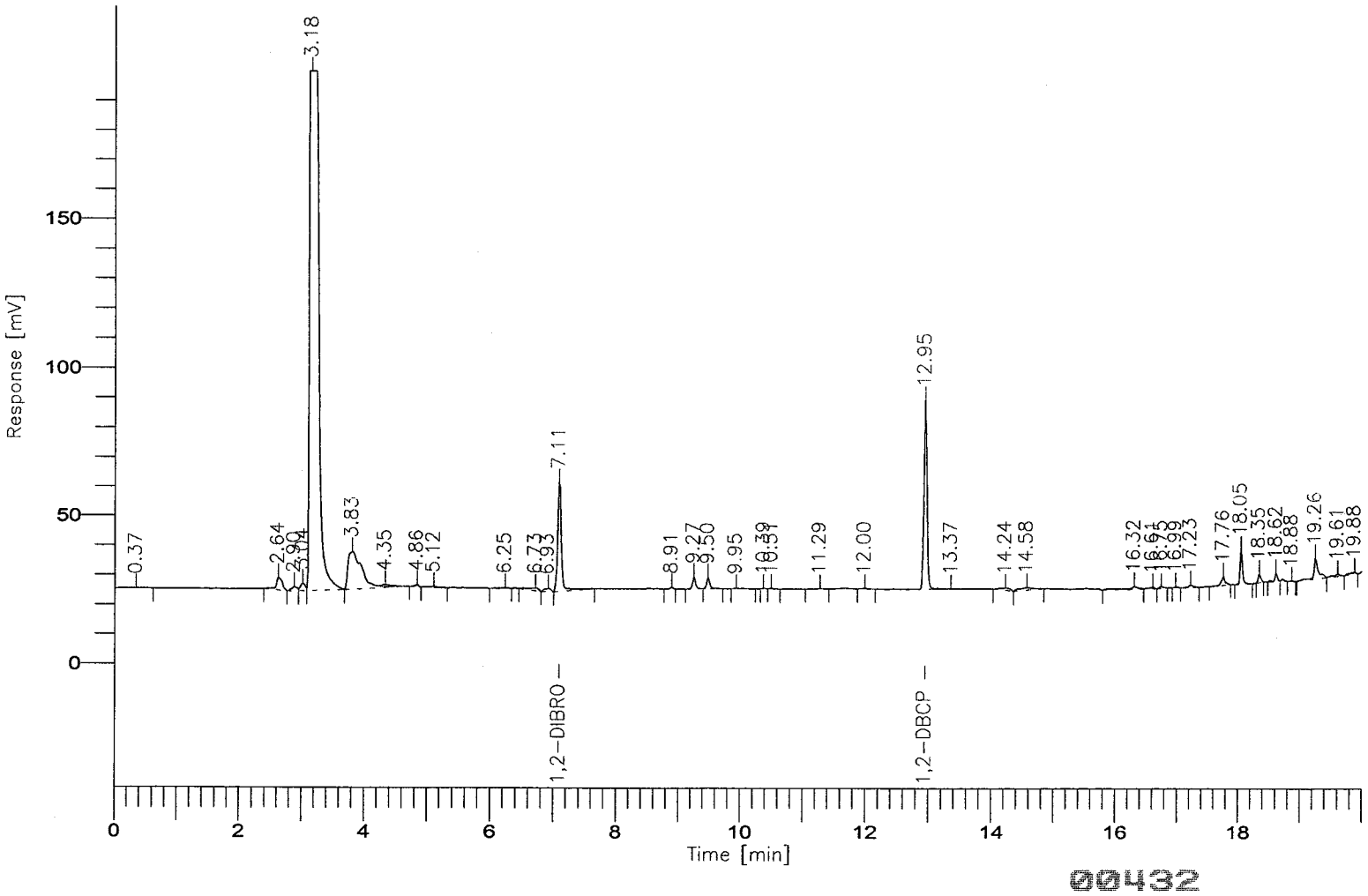
Software Version: 4.1<2F12>
Sample Name : L6 Time : 8/3/12 13:58
Sample Number: Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:00
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG039.RAW
Result File : C:\TC4\158\AUG2012\BAUG039.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG039.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0111	38214.50	153152.00	35	2	0.63553
12.95	1,2-DBCP (2C)	0.0106	64210.51	216056.50	35	2	0.60804
			102425.01	369208.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG039.TX0

INITIAL CALIBRATION STANDARDS
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2H17033

SDG: KNM070512
Project: KNM
Calibration: 2H17010
Instrument: 158

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2080216	8011 L1	2H17033-CAL1	AAUG216-0	08/16/12 11:09
2080217	8011 L2	2H17033-CAL2	AAUG217-0	08/16/12 11:38
2080218	8011 L3	2H17033-CAL3	AAUG218-0	08/16/12 12:06
2080219	8011 L4	2H17033-CAL4	AAUG219-0	08/16/12 12:35
2080220	8011 L5	2H17033-CAL5	AAUG220-0	08/16/12 13:03
2080221	8011 L6	2H17033-CAL6	AAUG221-0	08/16/12 13:32
2080706	8011 SCV	2H17033-SCV1	AAUG222-0	08/16/12 14:00

INITIAL CALIBRATION DATA
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2H17010

SDG: KNM070512

Project: KNM

Calibration Date: 08/16/12 08:16

Instrument: 158

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
1,2-Dibromoethane	0.00035	2.008006E+07	0.0007	1.695877E+07	0.0014	1.53304E+07	0.0028	1.410086E+07	0.0056	1.239762E+07	0.0112	1.192029E+07
1,2-Dibromo-3-chloropropane	0.00035	3.008443E+07	0.0007	2.719247E+07	0.0014	2.510301E+07	0.0028	2.261287E+07	0.0056	2.118425E+07	0.0112	1.995096E+07

00435

INITIAL CALIBRATION DATA (Continued)
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2H17010

SDG: KNM070512

Project: KNM

Calibration Date: 08/16/12 08:16

Instrument: 158

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
1,2-Dibromoethane	1.513133E+07	20.20066	6.256667	8.269979E-02	0.99910		0.99	
1,2-Dibromo-3-chloropropane	2.435467E+07	15.78765	11.62167	3.547033E-02	0.99920		0.99	

Turbochrom Method File : C:\TC4\158\AUG2012\EDB8162A.MTH
Created by : JDM on : 8/16/12 13:21
Edited by : BJH on : 8/16/12 15:07
Description :

8/20/12

Number of Times Edited : 5
Number of Times Calibrated : 208

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 20.00 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 1 points
Noise Threshold : 2 µV
Area Threshold : 11.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
Event #1 - +V at 4.885
Event #2 - S at 6.186

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 1000.000 mV

Number of Pages : 1
Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE
Component Type : Single Peak Component
Retention Time : 6.255 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	25215.00	7028.02	----------	----------	1
2	0.0007	40678.00	11871.14	----------	----------	1
3	0.0014	74734.00	21462.56	----------	----------	1
4	0.0028	138693.00	39482.41	----------	----------	1
5	0.0056	240597.00	69426.65	----------	----------	1
6	0.0112	468778.00	133507.25	----------	----------	1

Calibration Curve : y = (4821.833150) + (11538501.335113)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999245

1,2-DIBROMO3CHLOROPROPANE
Component Type : Single Peak Component

Retention Time : 11.620 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

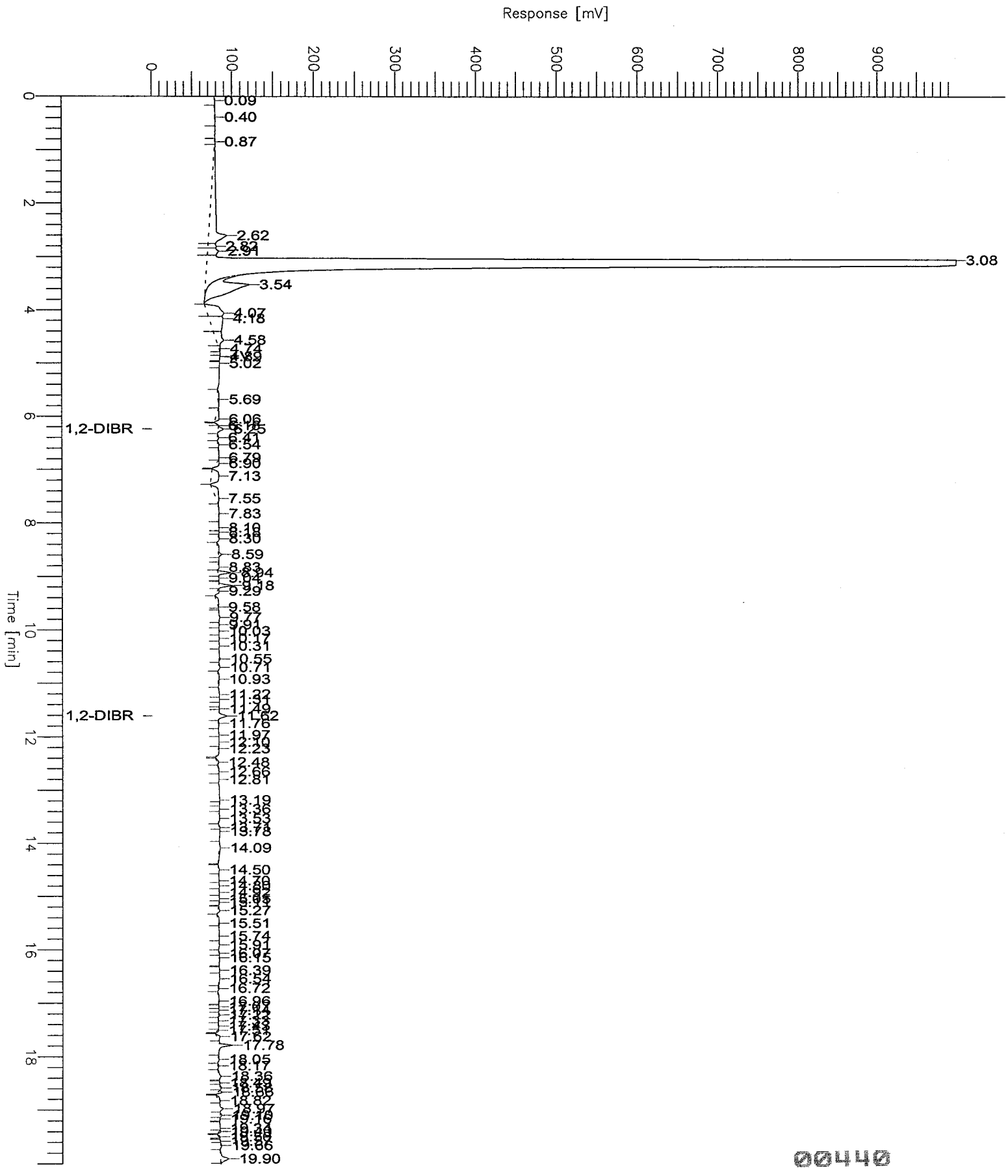
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	35884.00	10529.55	----------	----------	1
2	0.0007	63486.00	19034.73	----------	----------	1
3	0.0014	118121.00	35144.21	----------	----------	1
4	0.0028	214029.00	63316.04	----------	----------	1
5	0.0056	403917.50	118631.76	----------	----------	1
6	0.0112	787394.00	223450.82	----------	----------	1

Calibration Curve : y = (6884.202797) + (19490994.793920)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999355

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\AUG2012\Aaug216.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 11:09
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



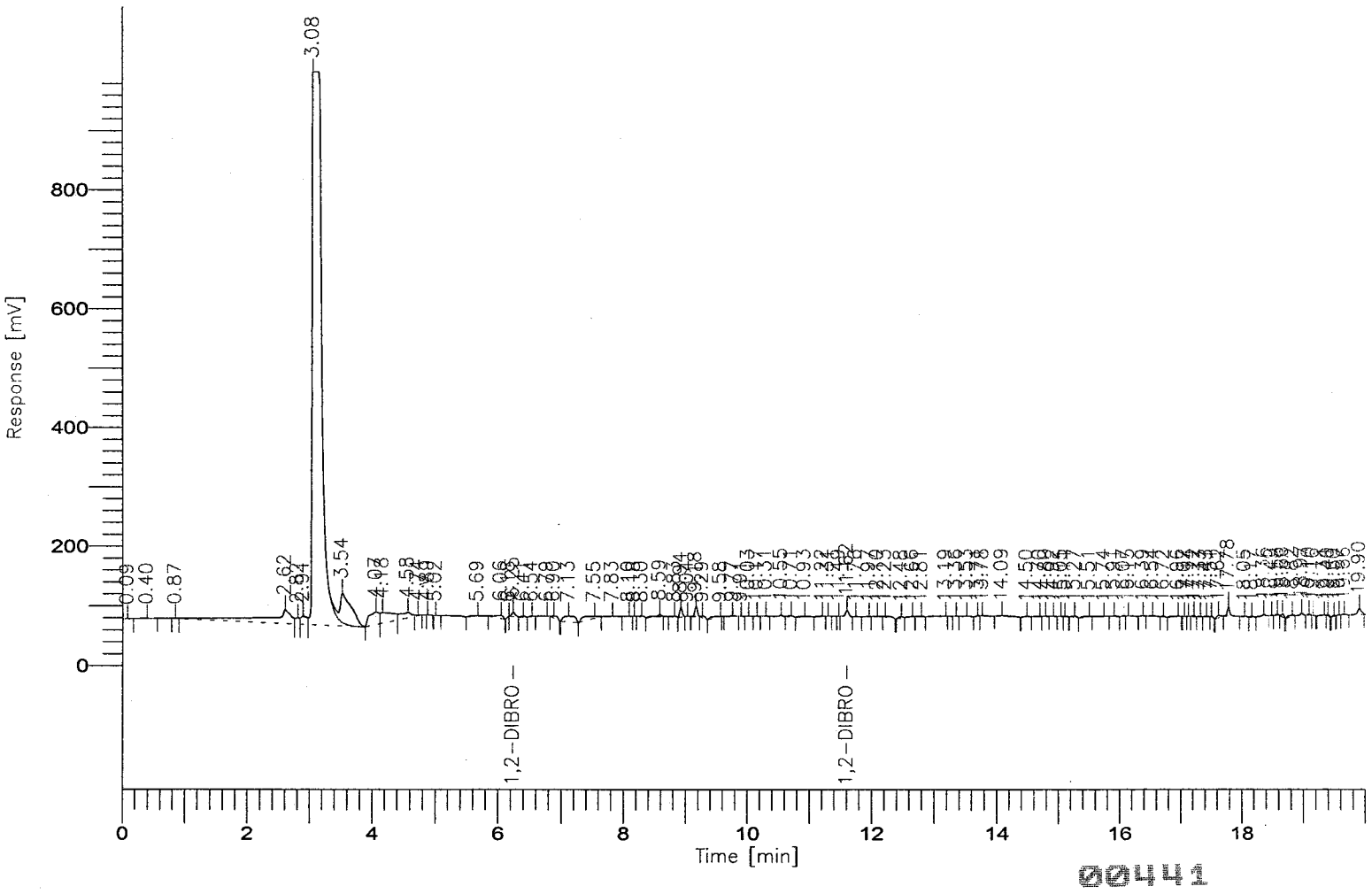
Software Version: 4.1<2F12>
Sample Name : L1 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : ASC

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 11:09
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG216.RAW
Result File : C:\TC4\158\AUG2012\AAUG216.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG216.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

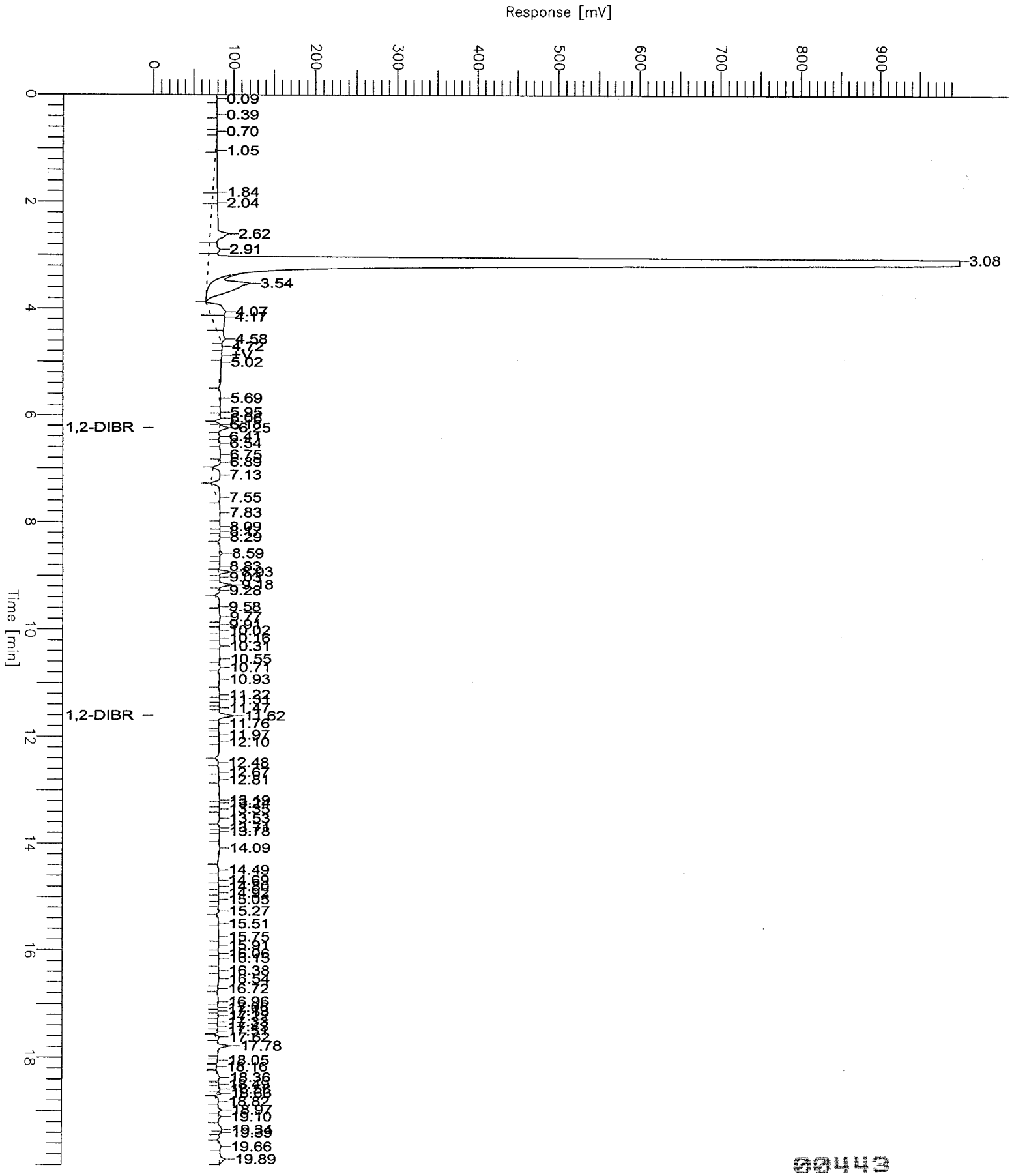
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0002	7028.02	25215.00	35	2	0.01093
11.62	1,2-DIBROMO3CHLOROPR	0.0002	10529.55	35884.00	35	2	0.01069
			17557.57	61099.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG216.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\AUG2012\Aaug217.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 11:38
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00443

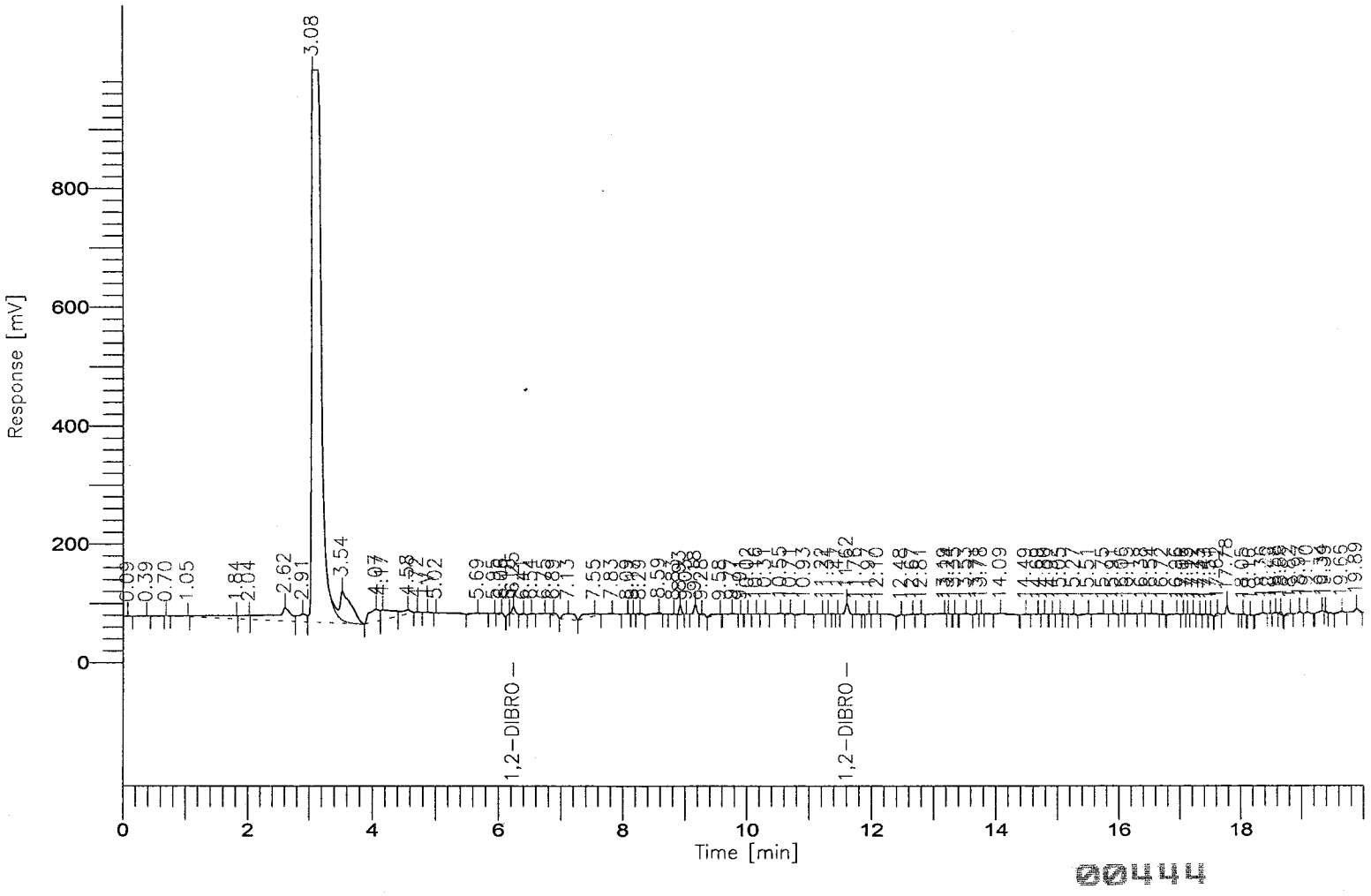
Software Version: 4.1<2F12>
Sample Name : L2 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : ASC

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 11:38
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG217.RAW
Result File : C:\TC4\158\AUG2012\AAUG217.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG217.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

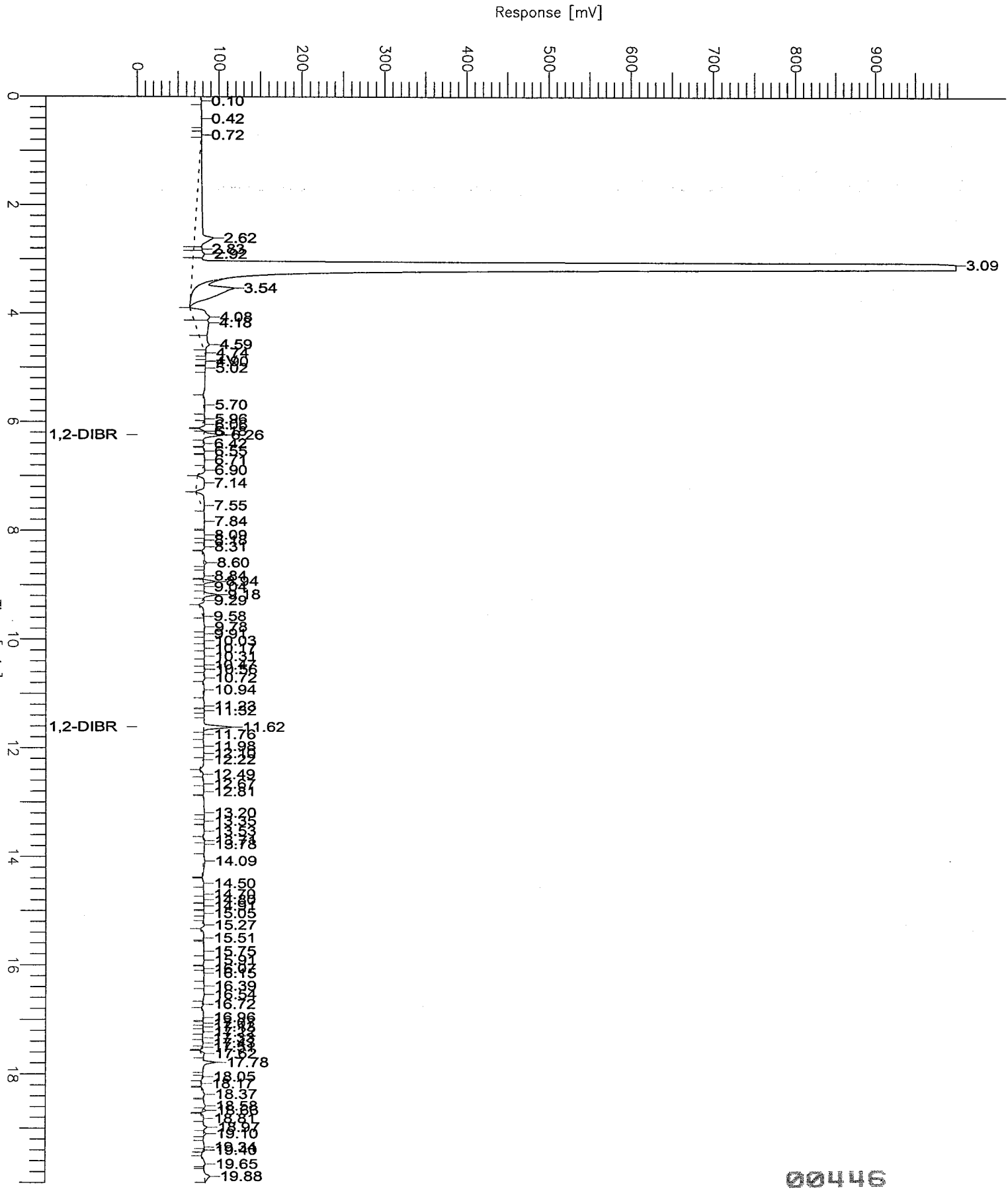
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0006	11871.14	40678.00	35	2	0.03491
11.62	1,2-DIBROMO3CHLOROPR	0.0006	19034.73	63486.00	35	2	0.03562
			30905.86	104164.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG217.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\AUG2012\Aaug218.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 12:06
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00446

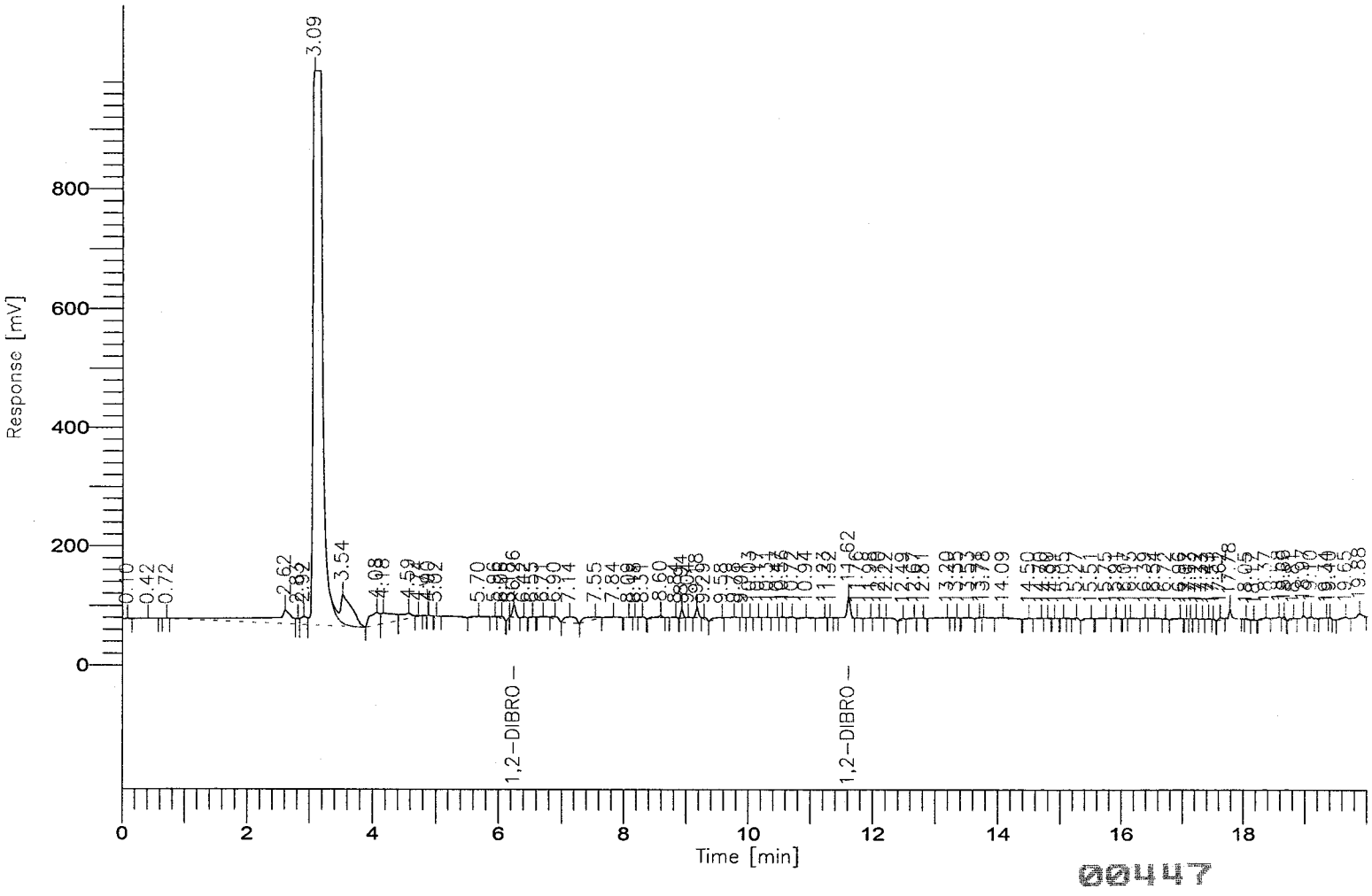
Software Version: 4.1<2F12>
Sample Name : L3 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 12:06
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG218.RAW
Result File : C:\TC4\158\AUG2012\AAUG218.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG218.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00447

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

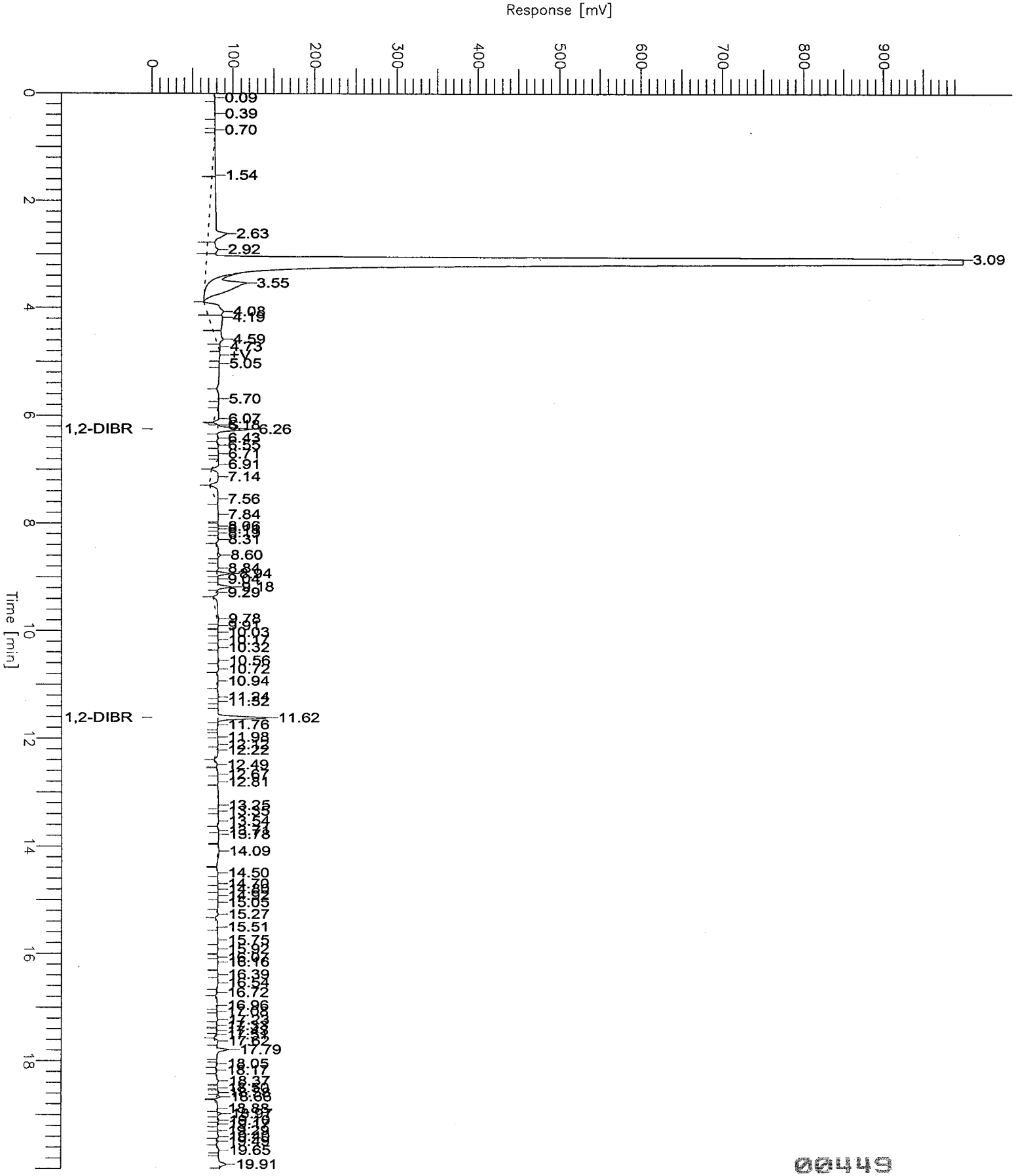
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0014	21462.56	74734.00	35	2	0.08241
11.62	1,2-DIBROMO3CHLOROPR	0.0014	35144.21	118121.00	35	2	0.08285
			56606.77	192855.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG218.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\AUG2012\Aaug219.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 12:35
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00449

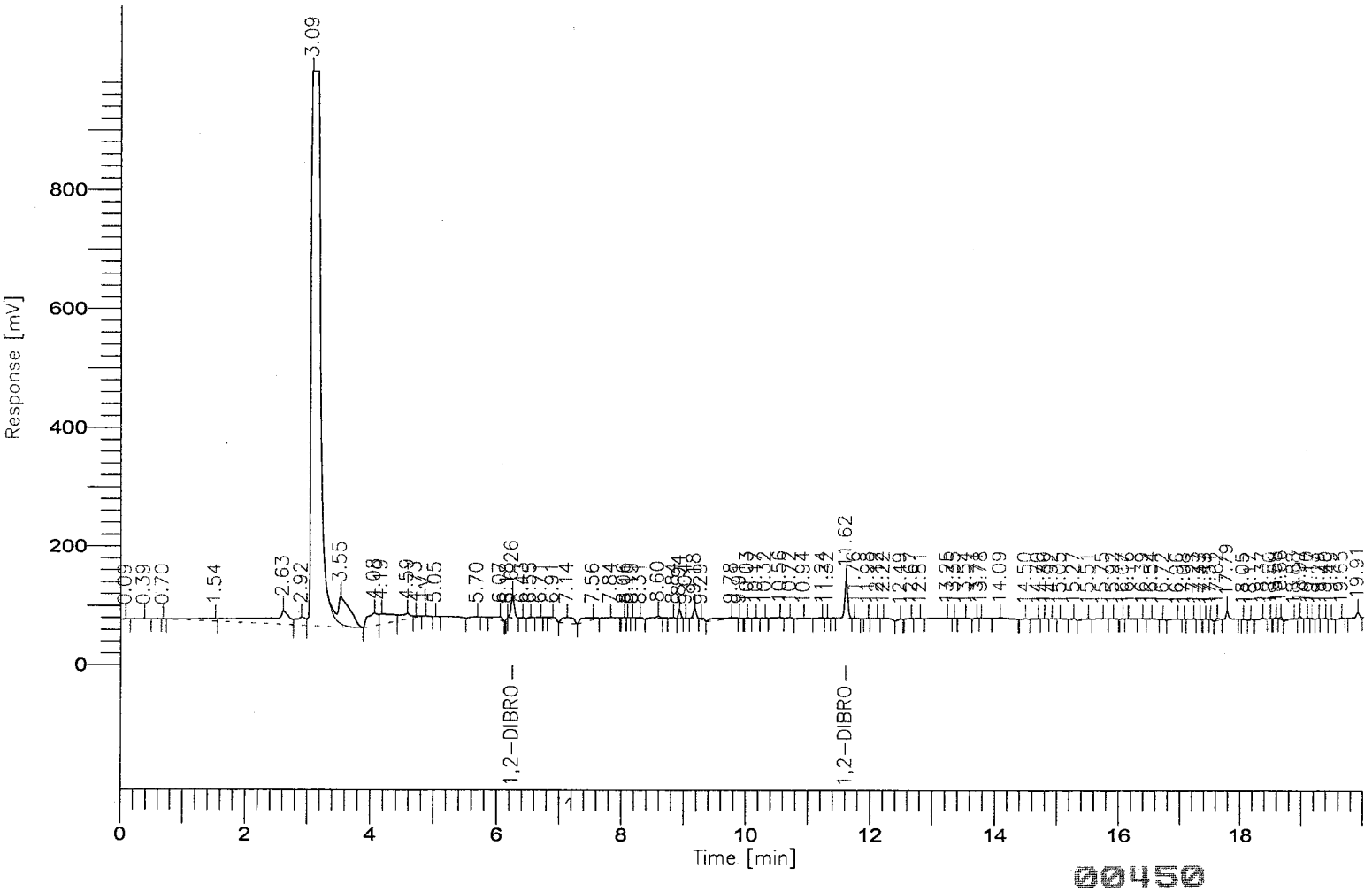
Software Version: 4.1<2F12>
Sample Name : L4 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 12:35
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG219.RAW
Result File : C:\TC4\158\AUG2012\AAUG219.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG219.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00450

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

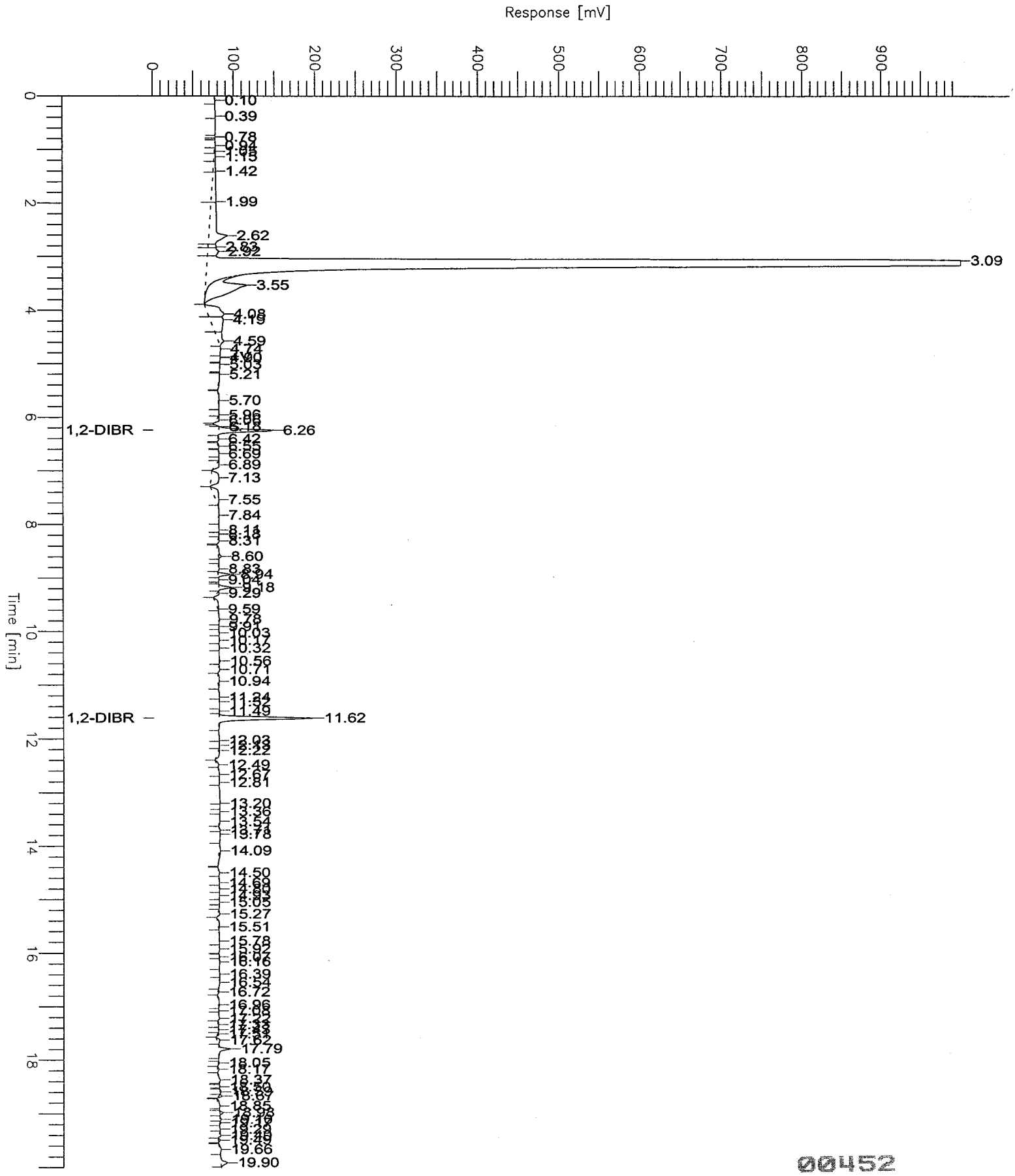
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0030	39482.41	138693.00	35	2	0.17165
11.62	1,2-DIBROMO3CHLOROPR	0.0029	63316.04	214029.00	35	2	0.16544
			102798.45	352722.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG219.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\AUG2012\Aaug220.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 13:03
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00452

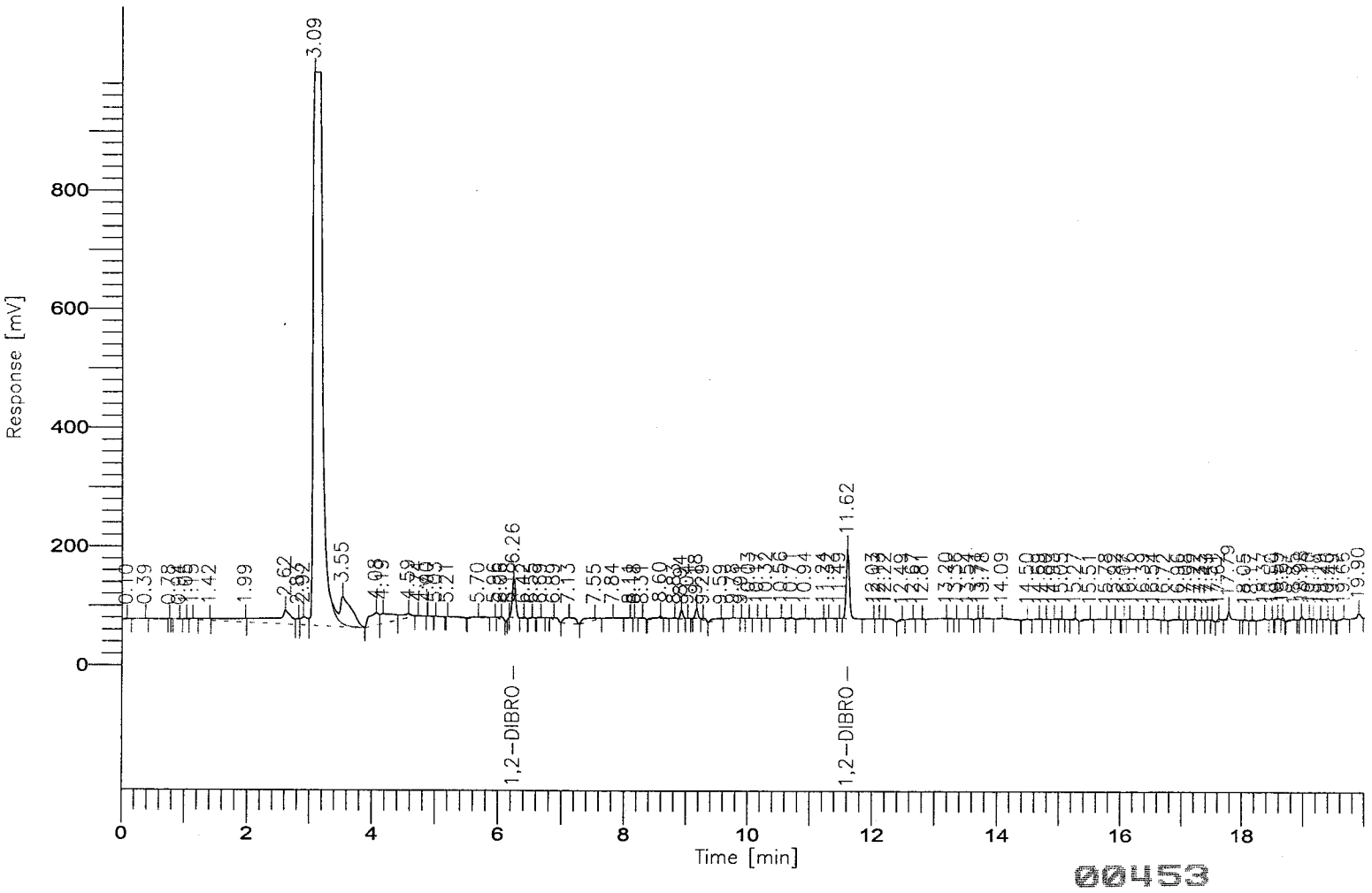
Software Version: 4.1<2F12>
Sample Name : L5 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 13:03
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG220.RAW
Result File : C:\TC4\158\AUG2012\AAUG220.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG220.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00453

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

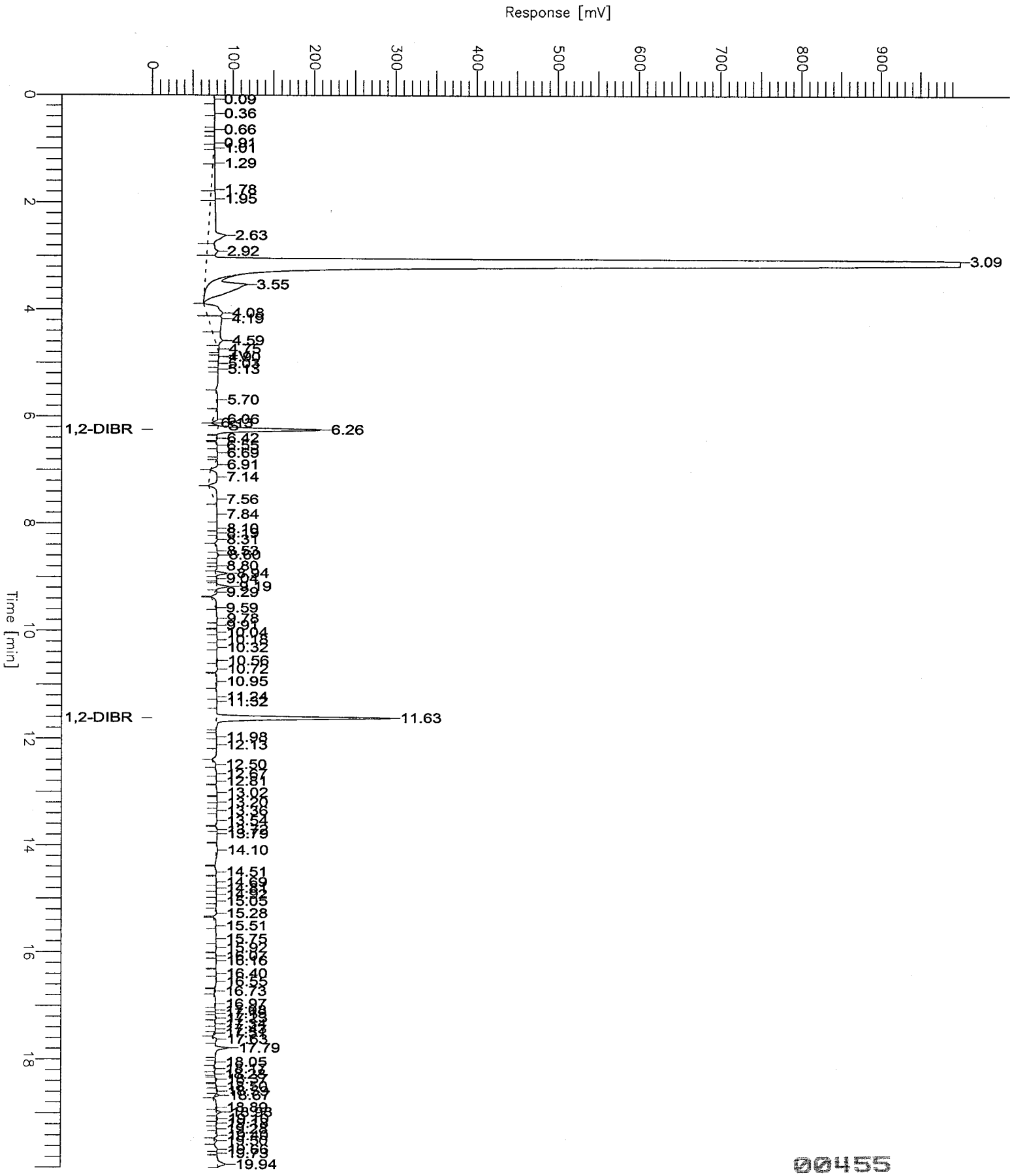
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0056	69426.65	240597.00	35	2	0.31995
11.62	1,2-DIBROMO3CHLOROPR	0.0057	118631.76	403917.50	35	2	0.32762
			188058.41	644514.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG220.TX0

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\AUG2012\Aaug221.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 13:32
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00455

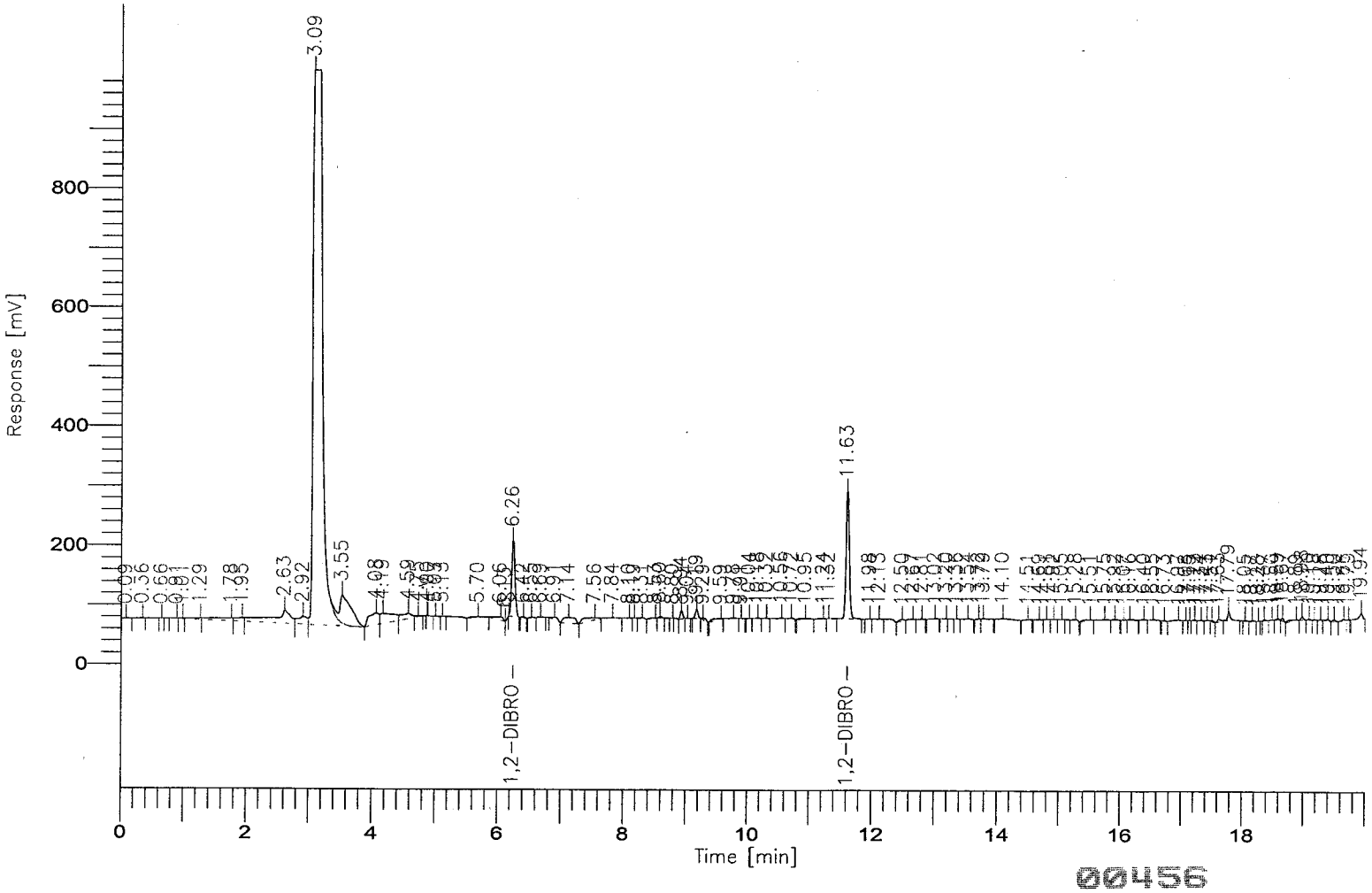
Software Version: 4.1<2F12>
Sample Name : L6 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 13:32
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG221.RAW
Result File : C:\TC4\158\AUG2012\AAUG221.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG221.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00456

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0112	133507.25	468778.00	35	2	0.63730
11.63	1,2-DIBROMO3CHLOROPR	0.0111	223450.82	787394.00	35	2	0.63492
			356958.07	1256172.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG221.TX0

Turbochrom Method File : C:\TC4\158\AUG2012\EDB8162B.MTH
Created by : JDM on : 8/16/12 13:18
Edited by : BJH on : 8/17/12 08:05
Description :

Number of Times Edited : 3
Number of Times Calibrated : 217

Instrument Conditions :

Instrument Control Method:
Instrument name : 158

Interface Parameters :
Delay Time : 0.00 min.
Run Time : 29.50 min.
Sampling Rate : 1.0000 pts/s
Interface Type : 900
Analog Voltage Input : 1000 mV
Data will be collected from both channels

Timed Events:
There are no timed events in the method

Real Time Plot Parameters :
Channel A -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV
Channel B -- Pages: 1 Offset: 0.000 mV Scale: 1000.000 mV

Processing Parameters :
Bunch Factor : 2 points
Noise Threshold : 24 µV
Area Threshold : 119.00 µV

Peak Separation Criteria
Width Ratio : 0.200
Valley-to-Peak Ratio : 0.010

Exponential Skim Criteria
Peak Height Ratio : 5.000
Adjusted Height Ratio : 4.000
Valley Height Ratio : 3.000

Baseline Timed Events :
No baseline timed events

Annotated Replot Parameters :
Offset & Scale set to absolute values
Plot Offset : 0.000 mV
Plot Scale : 200.000 mV

Number of Pages : 1

Plot Title : Chromatogram
X-Axis Label : Time [min]
Y-Axis Label : Response [mV]
Orientation : Landscape
Retention Labels : Peak Crests
Component Labels : Actual Time
Start Time : 0.00
End Time : 20.00

Report Format files :
No report format files given

User Programs :
No user programs will be executed

Global Information :
Default Sample Volume : 1.000 ul
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : YES
Reject outliers during calibration : NO
An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06

Component Information :
1,2-DIBROMOETHANE (2C)
Component Type : Single Peak Component
Retention Time : 7.042 min Search Window: 3.00 s, 1.70 %
Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	13190.50	1589.28	----------	----------	1
2	0.0007	17204.00	2252.99	----------	----------	1
3	0.0014	16584.00	3319.31	----------	----------	1
4	0.0028	26663.00	5970.21	----------	----------	1
5	0.0056	47837.00	10525.97	----------	----------	1
6	0.0112	86093.00	21174.53	----------	----------	1

Calibration Curve : y = (897.111754) + (1793163.796338)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999093

1,2-DBCP (2C)
Component Type : Single Peak Component
Retention Time : 12.887 min Search Window: 3.00 s, 1.70 %

Reference Component:
Find peak closest to expected RT in window
Calibrating Height versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: None
User Values:
Label :
Value 1: 0.000000
Value 2: 0.000000
Value 3: 0.000000
Value 4: 0.000000
Value 5: 0.000000
Calibration Levels:

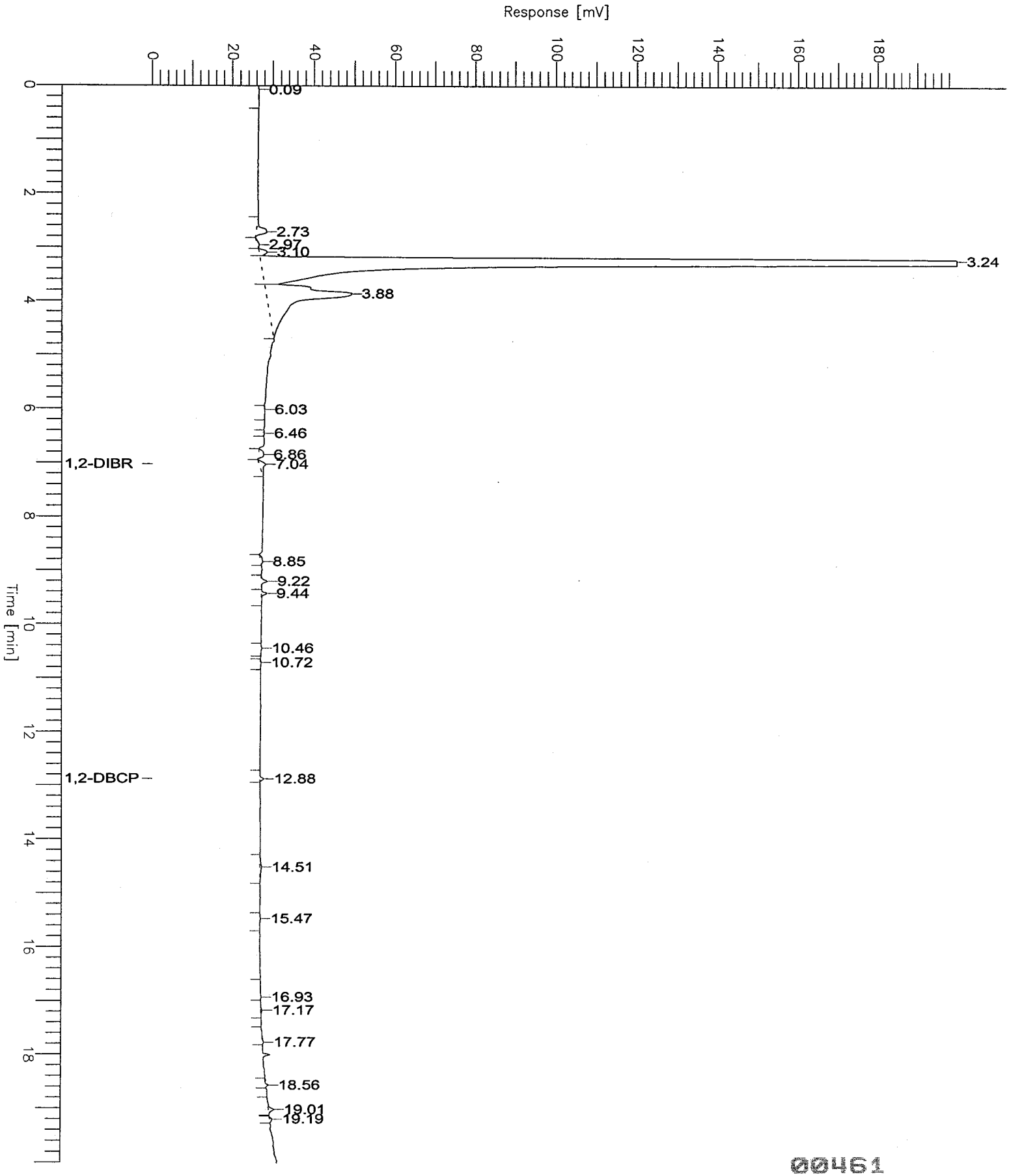
Level Name	Amount	Area	Height	ISTD Resp.	ISTD Amt.	# Replicates
1	0.0003	3150.00	968.77	----------	----------	1
2	0.0007	5707.00	1823.50	----------	----------	1
3	0.0014	11296.00	3543.53	----------	----------	1
4	0.0028	23018.50	6861.13	----------	----------	1
5	0.0056	45470.00	13768.47	----------	----------	1
6	0.0112	97306.00	29020.04	----------	----------	1

Calibration Curve : y = (-102.931690) + (2572865.290200)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.999045

Chromatogram

Sample Name : L1
FileName : C:\TC4\158\AUG2012\Baug216.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 11:09
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00461

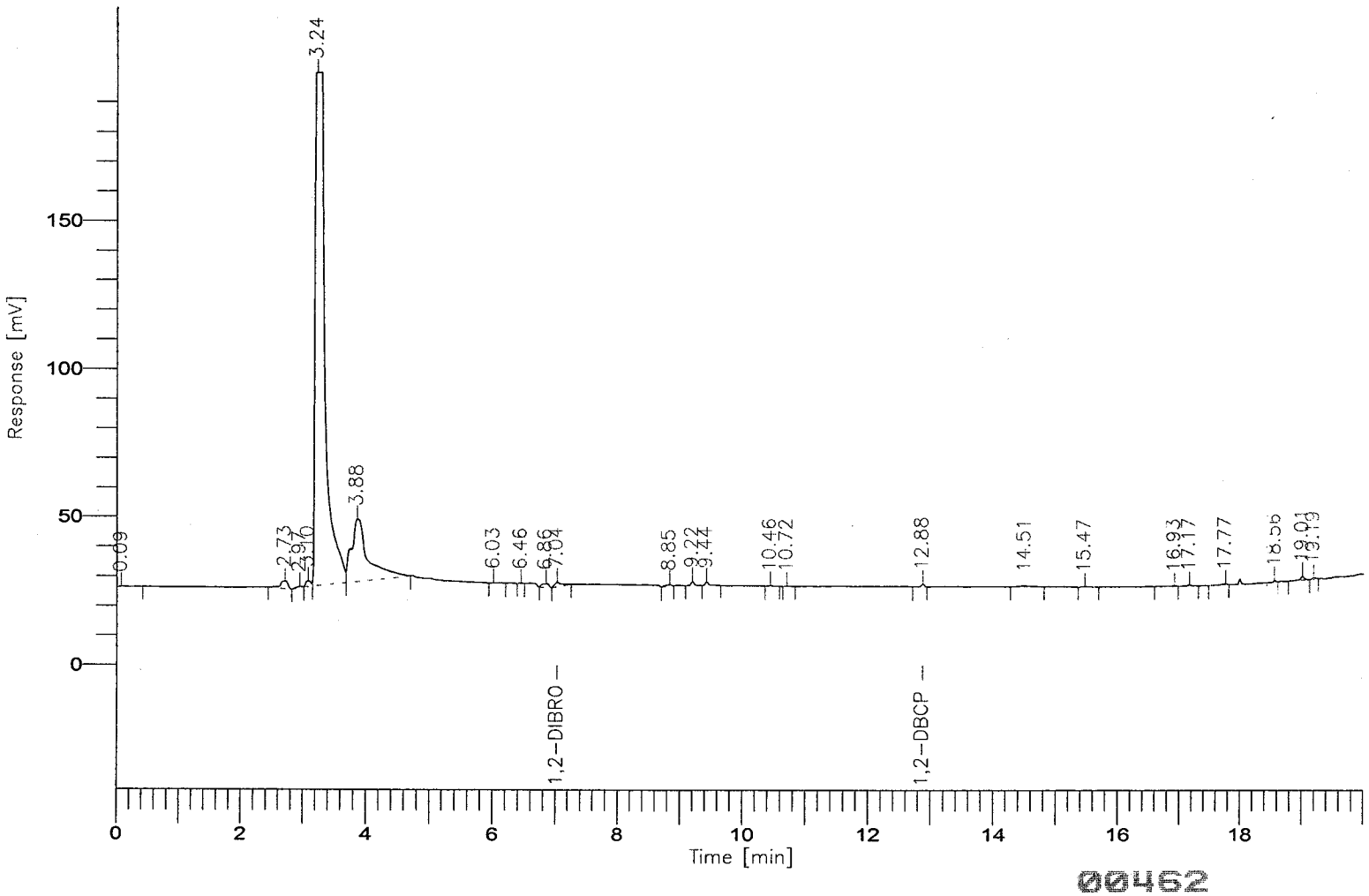
Software Version: 4.1<2F12>
Sample Name : L1 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : ASC

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 11:09
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG216.RAW
Result File : C:\TC4\158\AUG2012\BAUG216.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG216.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00462

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

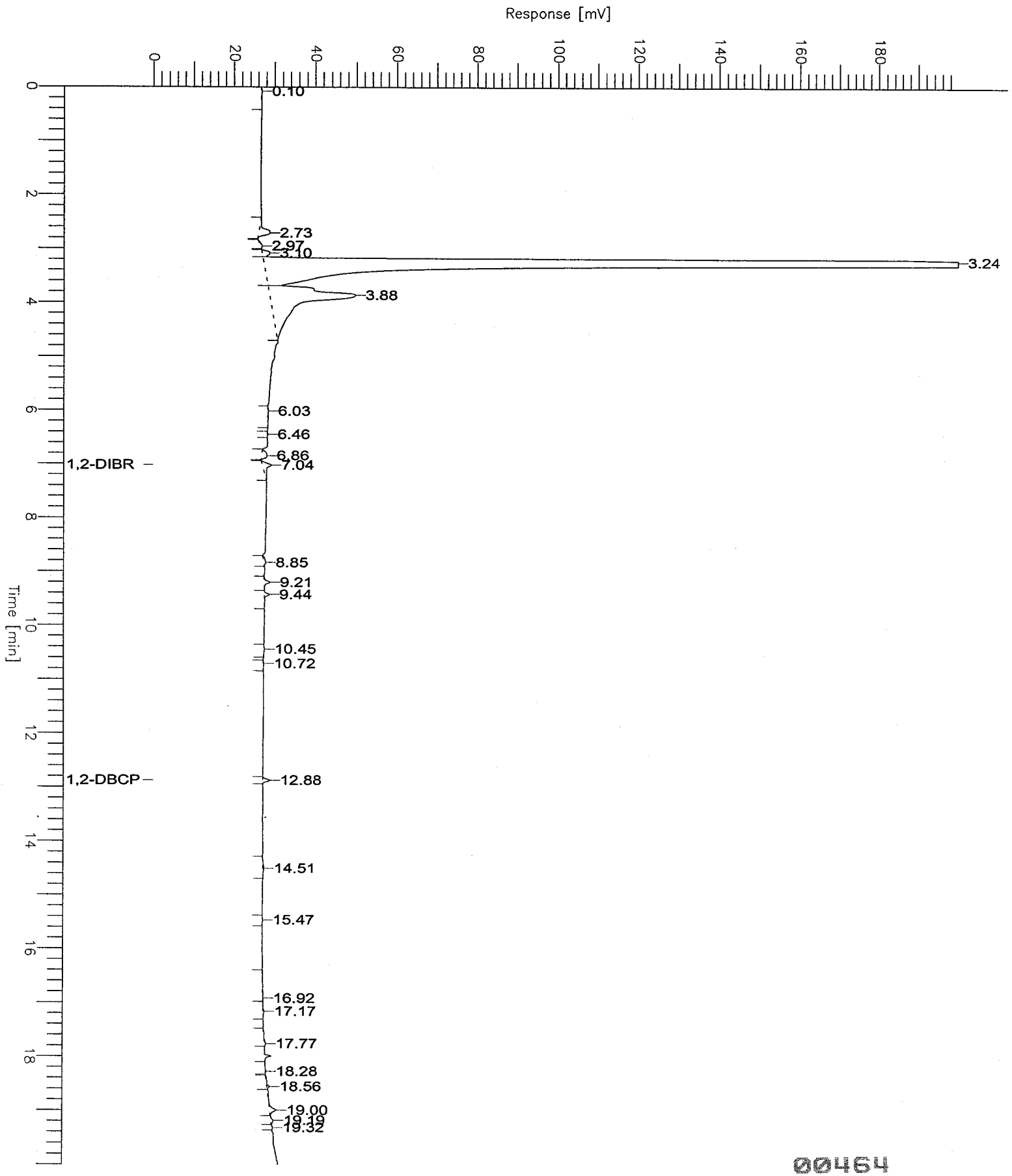
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0004	1589.28	13190.50	35	2	0.02206
12.88	1,2-DBCP (2C)	0.0004	968.77	3150.00	35	2	0.02380
			2558.05	16340.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG216.TX0

Chromatogram

Sample Name : L2
FileName : C:\TC4\158\AUG2012\Baug217.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 11:38
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00464

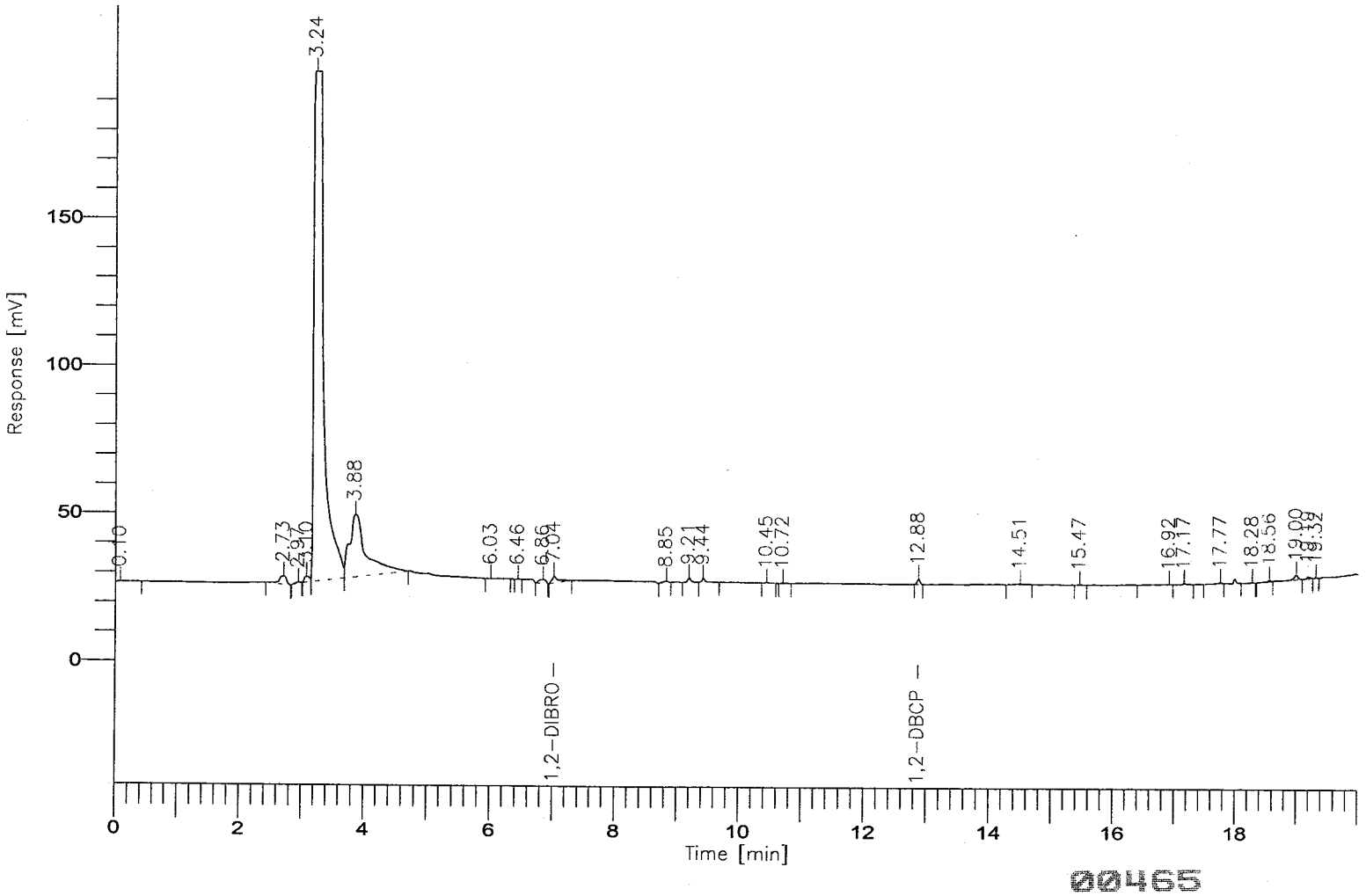
Software Version: 4.1<2F12>
Sample Name : L2 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : ASC

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 11:38
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG217.RAW
Result File : C:\TC4\158\AUG2012\BAUG217.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG217.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00465

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

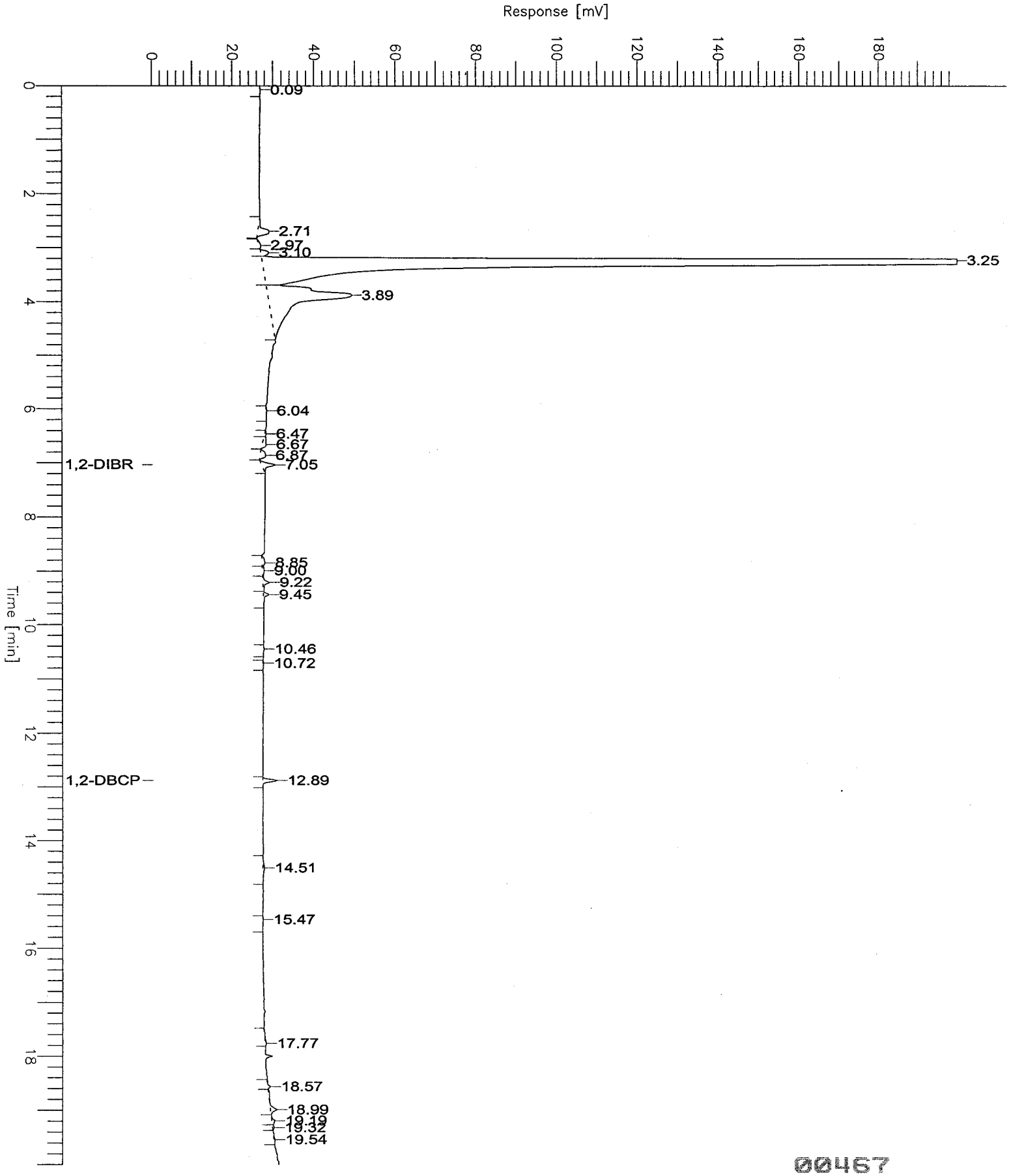
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0008	2252.99	17204.00	35	2	0.04321
12.88	1,2-DBCP (2C)	0.0007	1823.50	5707.00	35	2	0.04279
			4076.49	22911.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG217.TX0

Chromatogram

Sample Name : L3
FileName : C:\TC4\158\AUG2012\Baug218.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 12:06
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00467

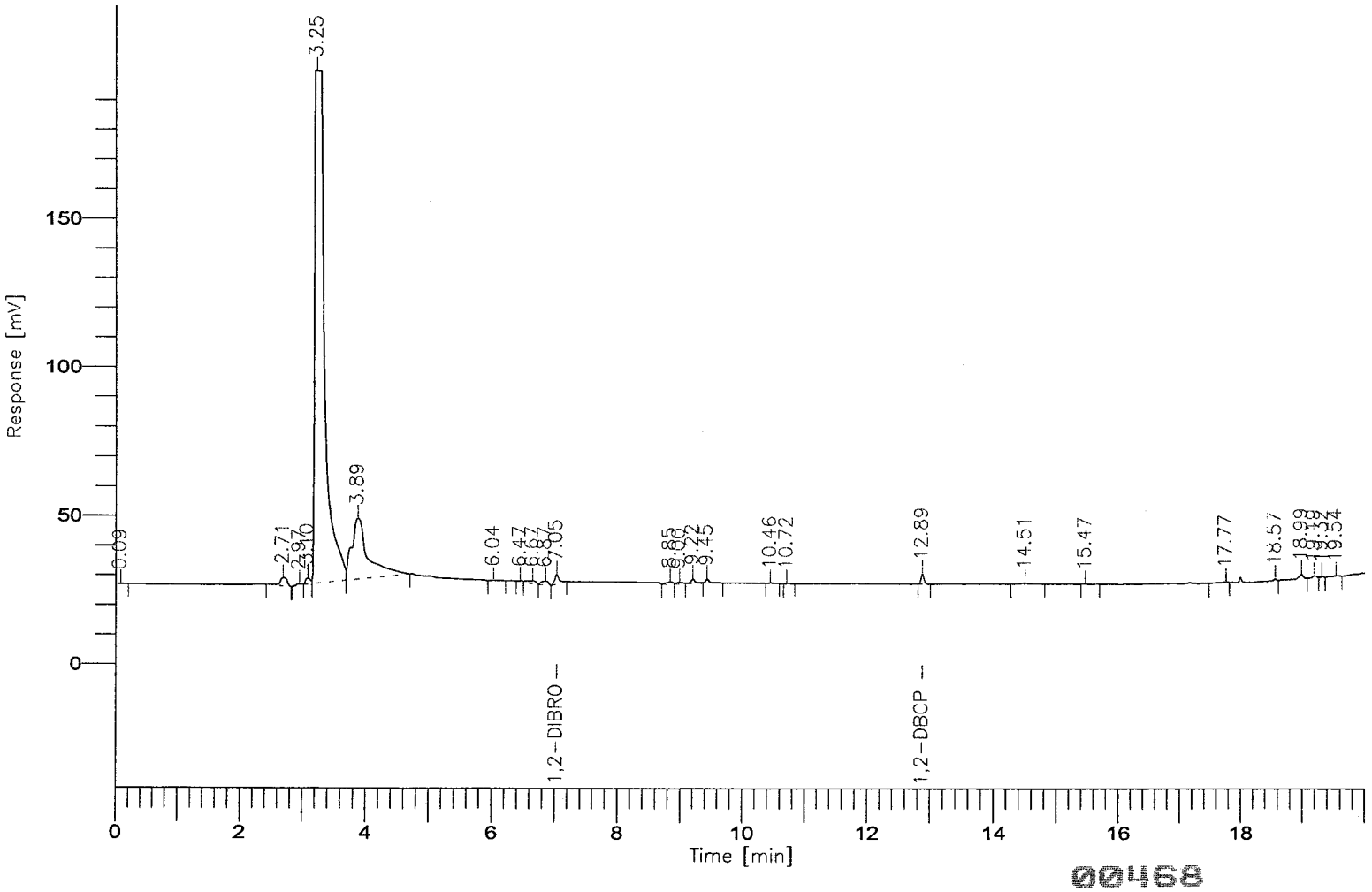
Software Version: 4.1<2F12>
Sample Name : L3 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 12:06
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG218.RAW
Result File : C:\TC4\158\AUG2012\BAUG218.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG218.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00468

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

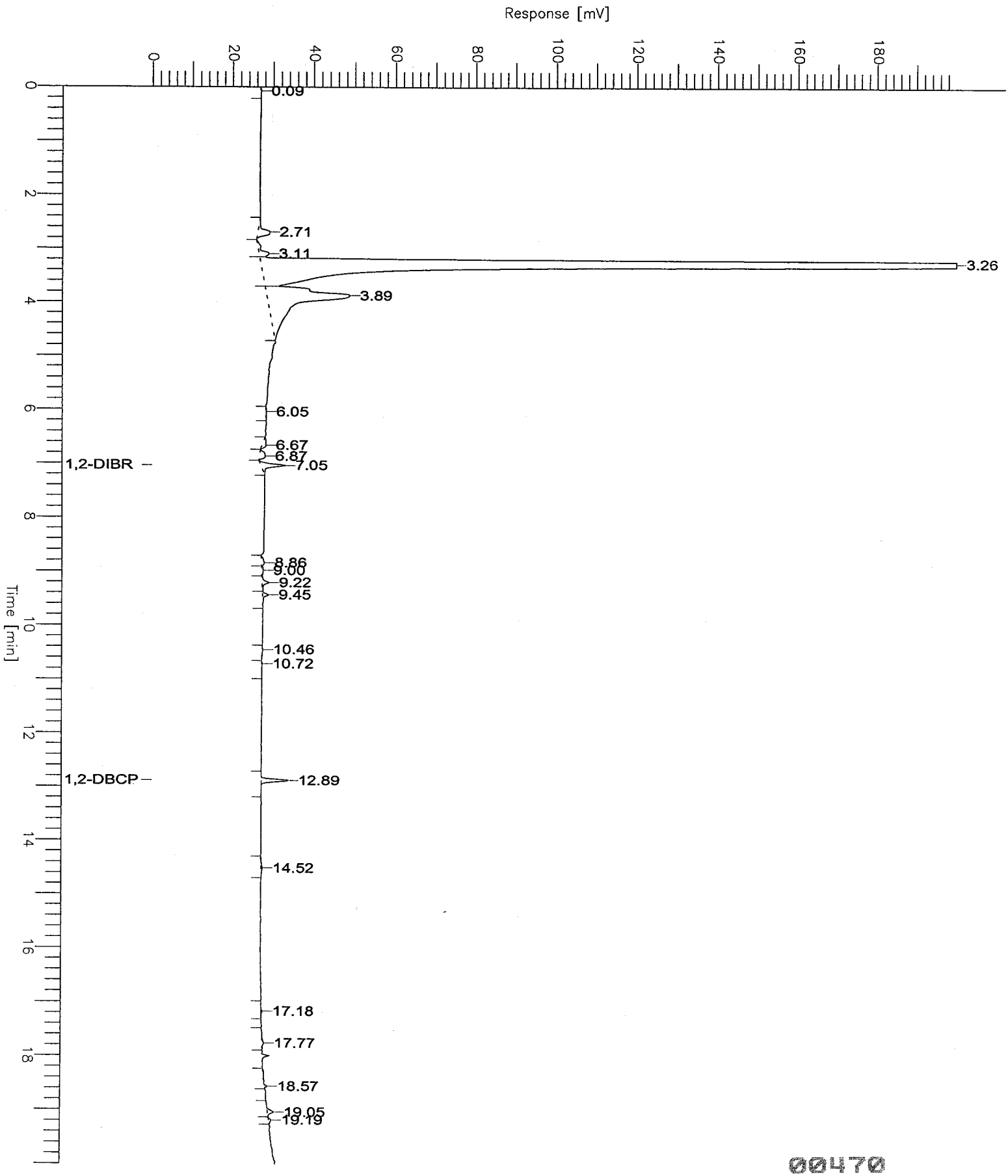
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0014	3319.31	16584.00	35	2	0.07719
12.89	1,2-DBCP (2C)	0.0014	3543.53	11296.00	35	2	0.08099
			6862.84	27880.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG218.TX0

Chromatogram

Sample Name : L4
FileName : C:\TC4\158\AUG2012\Baug219.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 12:35
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00470

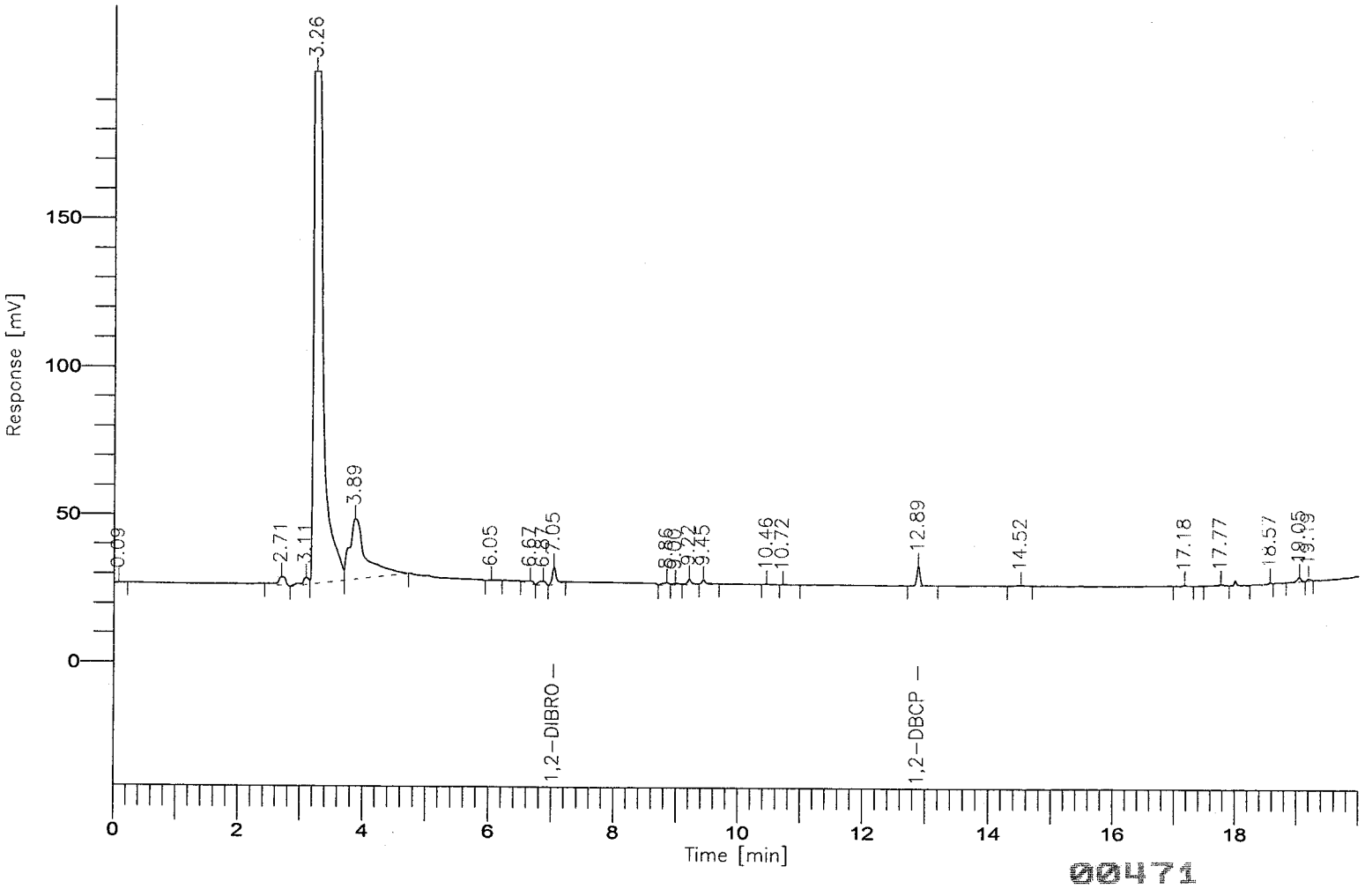
Software Version: 4.1<2F12>
Sample Name : L4 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 12:35
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG219.RAW
Result File : C:\TC4\158\AUG2012\BAUG219.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG219.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00471

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

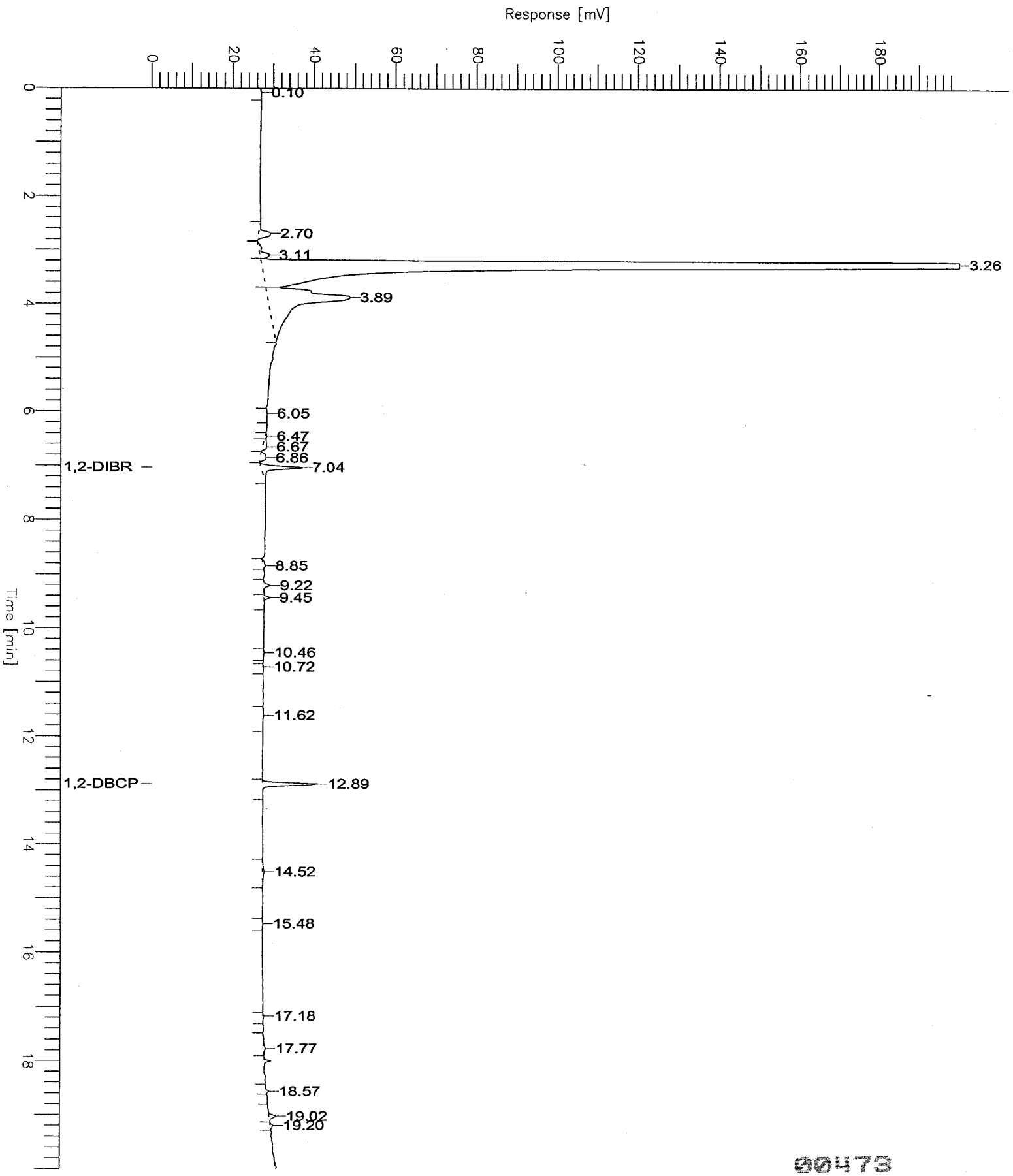
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.05	1,2-DIBROMOETHANE (2	0.0028	5970.21	26663.00	35	2	0.16166
12.89	1,2-DBCP (2C)	0.0027	6861.13	23018.50	35	2	0.15467
			12831.34	49681.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG219.TX0

Chromatogram

Sample Name : L5
FileName : C:\TC4\158\AUG2012\Baug220.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 13:03
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00473

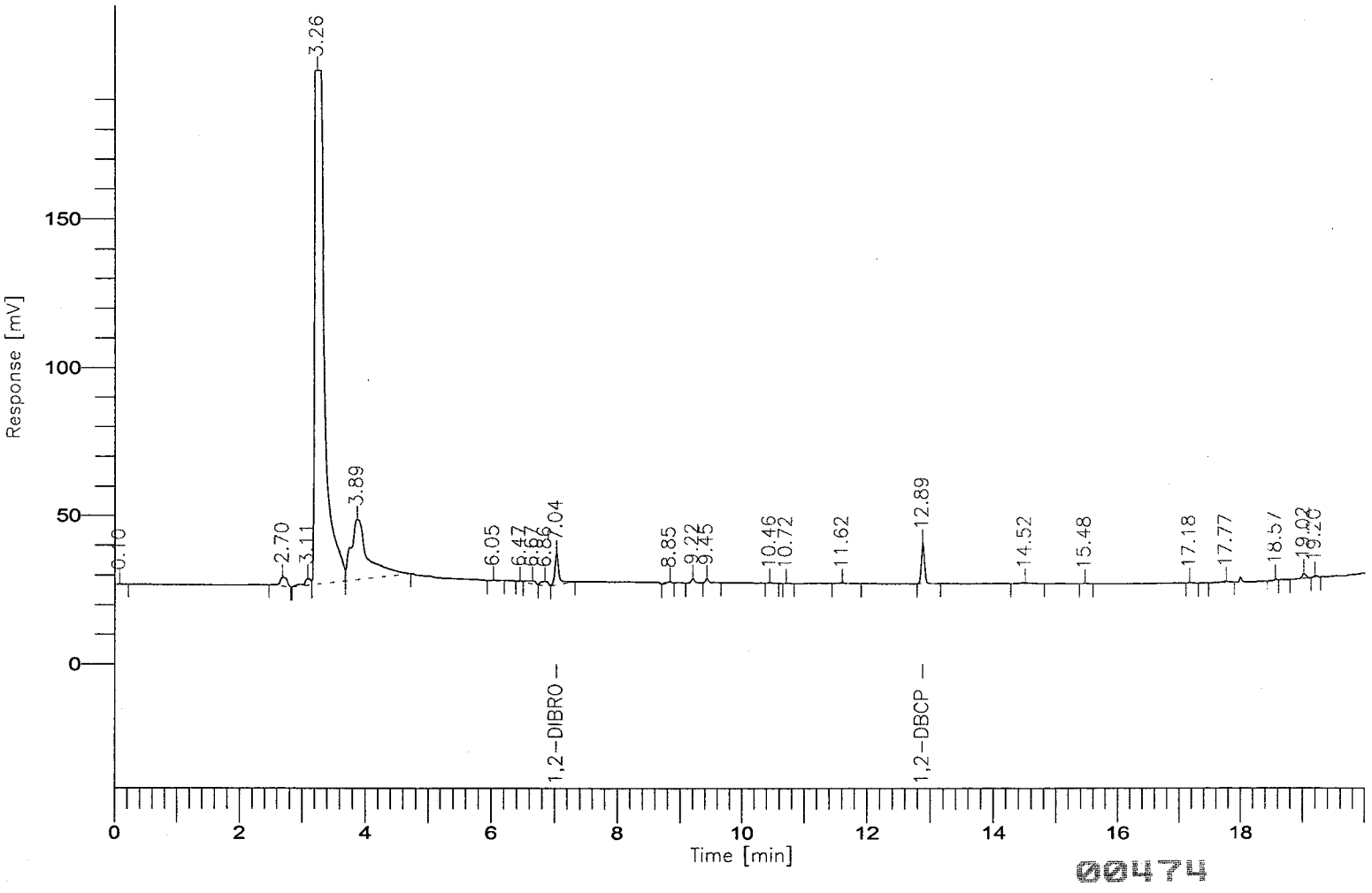
Software Version: 4.1<2F12>
Sample Name : L5 Time : 8/17/12 08:12
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 13:03
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG220.RAW
Result File : C:\TC4\158\AUG2012\BAUG220.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG220.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00474

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

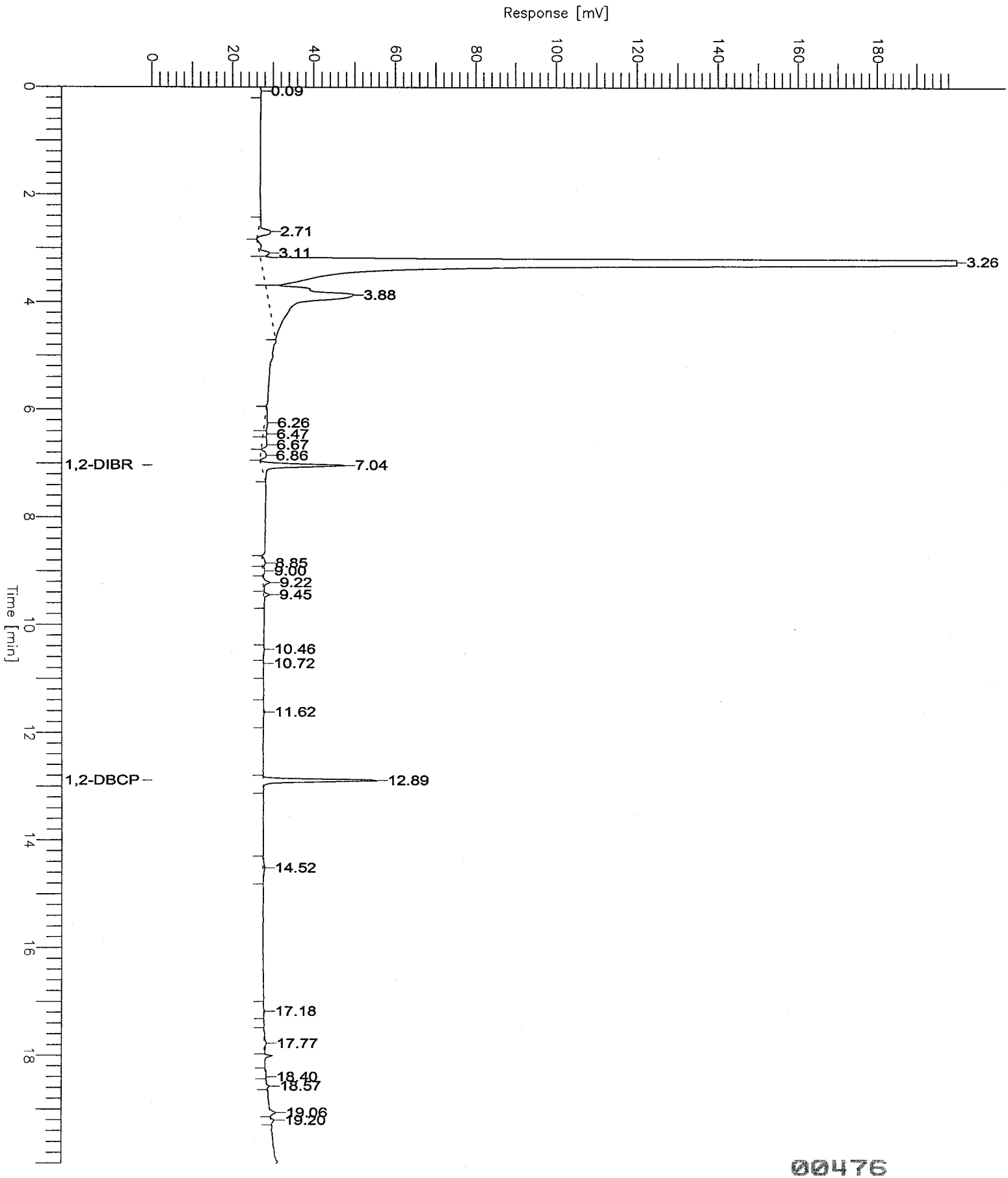
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0054	10525.97	47837.00	35	2	0.30684
12.89	1,2-DBCP (2C)	0.0054	13768.47	45470.00	35	2	0.30808
			24294.44	93307.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG220.TX0

Chromatogram

Sample Name : L6
FileName : C:\TC4\158\AUG2012\Baug221.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 13:32
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00476

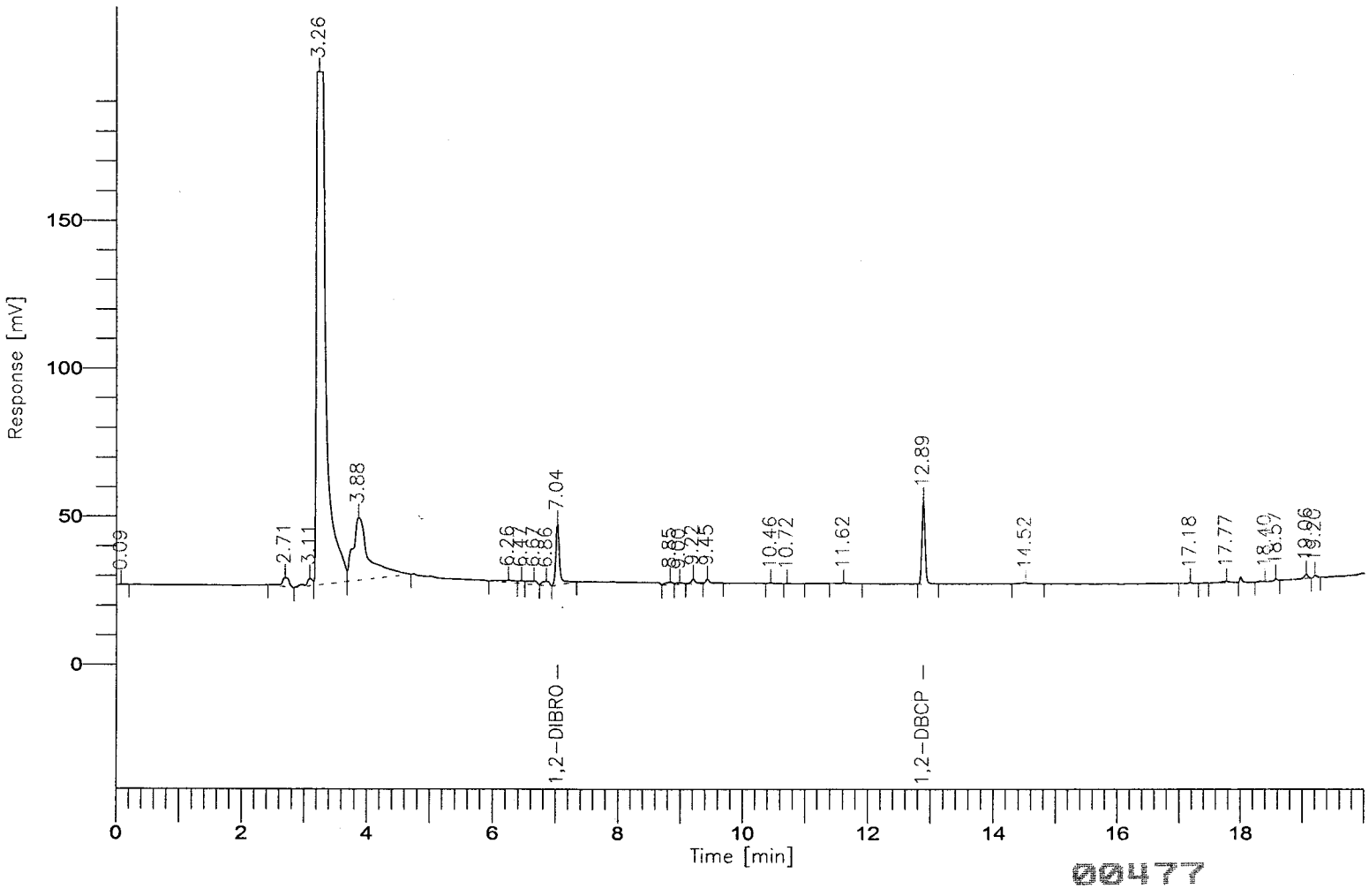
Software Version: 4.1<2F12>
Sample Name : L6 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 13:32
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG221.RAW
Result File : C:\TC4\158\AUG2012\BAUG221.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG221.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00477

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0113	21174.53	86093.00	35	2	0.64618
12.89	1,2-DBCP (2C)	0.0113	29020.04	97306.00	35	2	0.64682
			50194.57	183399.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG221.TX0

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Laboratory ID: 2G17011-SCV1

Sequence: 2G17011

SDG: KNM070512

Project: KNM

Standard ID: 2070625

Calibration: 2G17004

Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
1,2-Dibromoethane	0.00560	0.00580	104	75-125

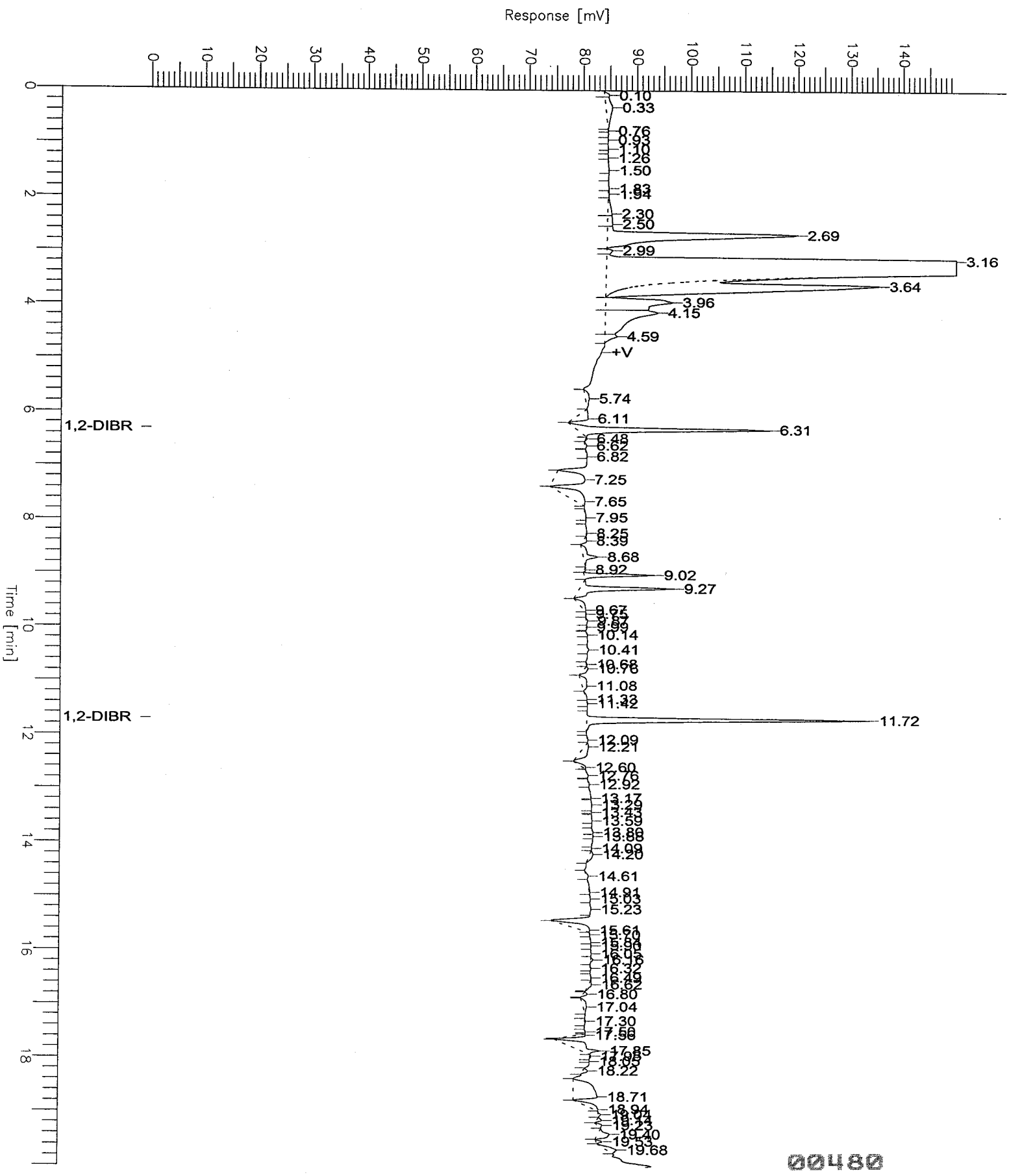
* Values outside of QC limits

00479

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\JULY2012\AJUL127.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 18:47
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00480

Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : BJH

Time : 7/17/12 08:34
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

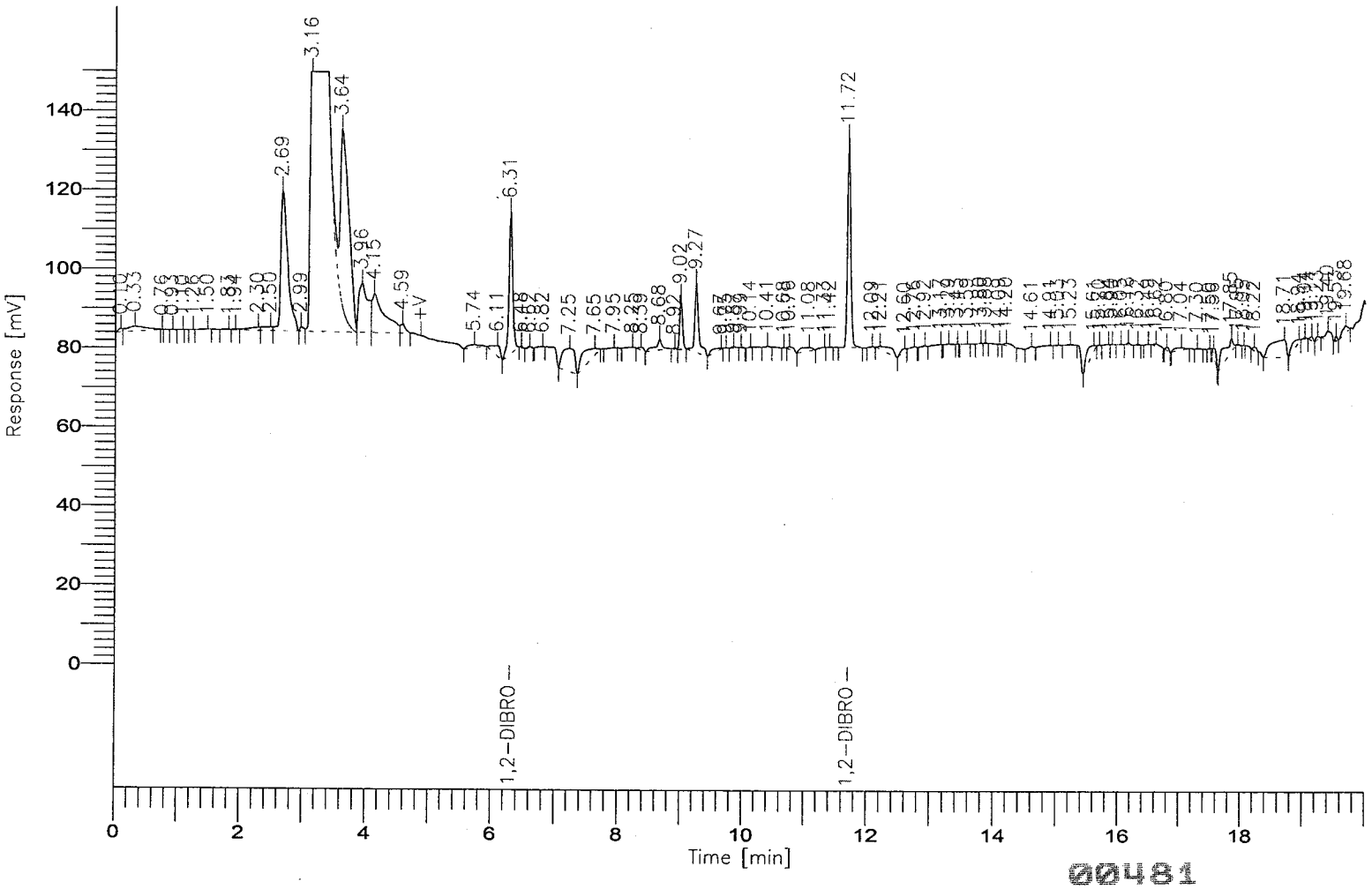
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL127.RAW
Result File : C:\TC4\158\JULY2012\AJUL127.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL127.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0058	36274.87	149787.00	35	2	0.32905
11.72	1,2-DIBROMO3CHLOROPR	0.0057	53073.91	190407.00	35	2	0.32815
			89348.78	340194.00			

Pass ↓

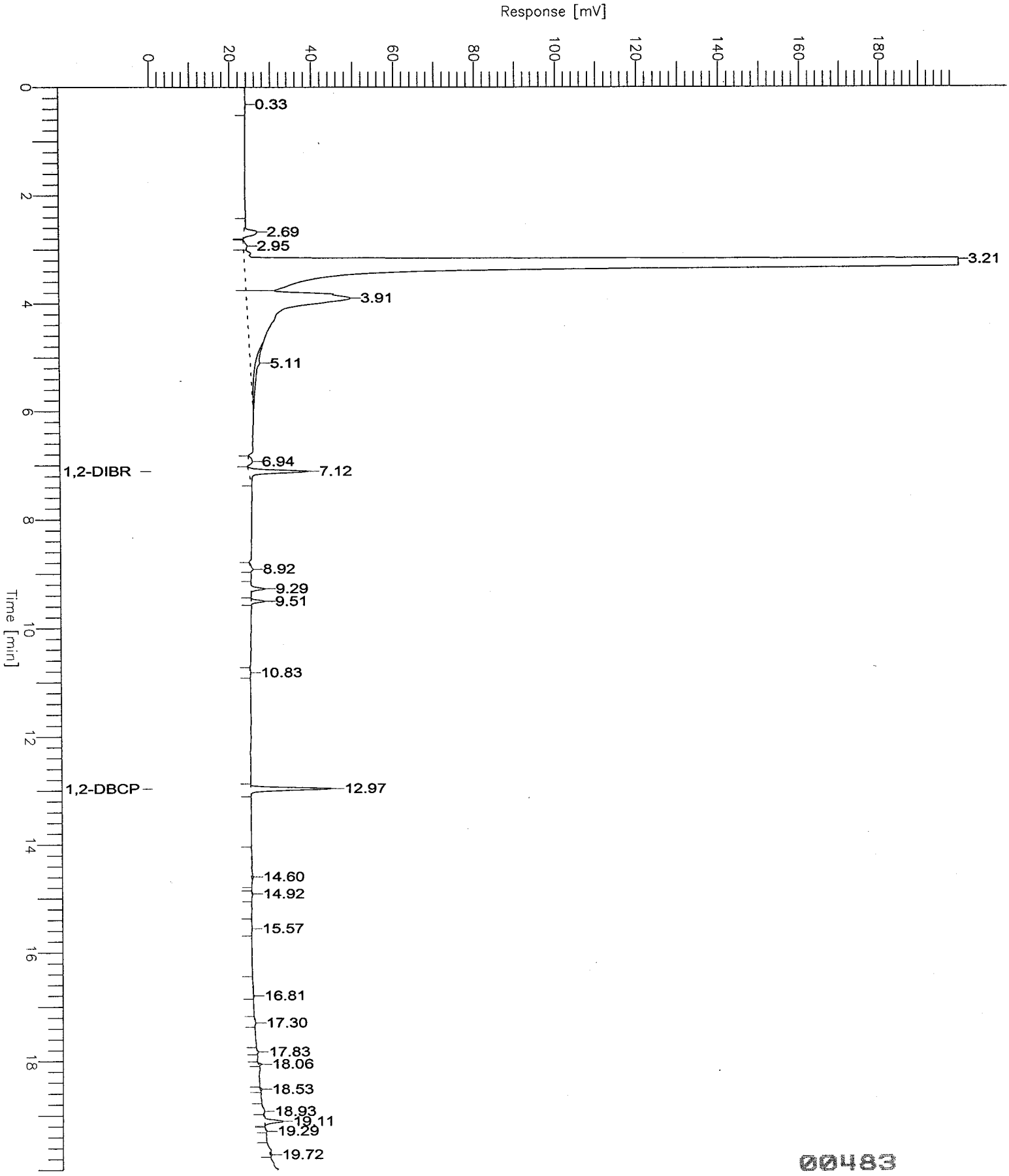
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL127.TX0

ASC 7/17/12

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\JULY2012\BJUL127.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 18:47
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00483

Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : BJH

Time : 7/17/12 08:18
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

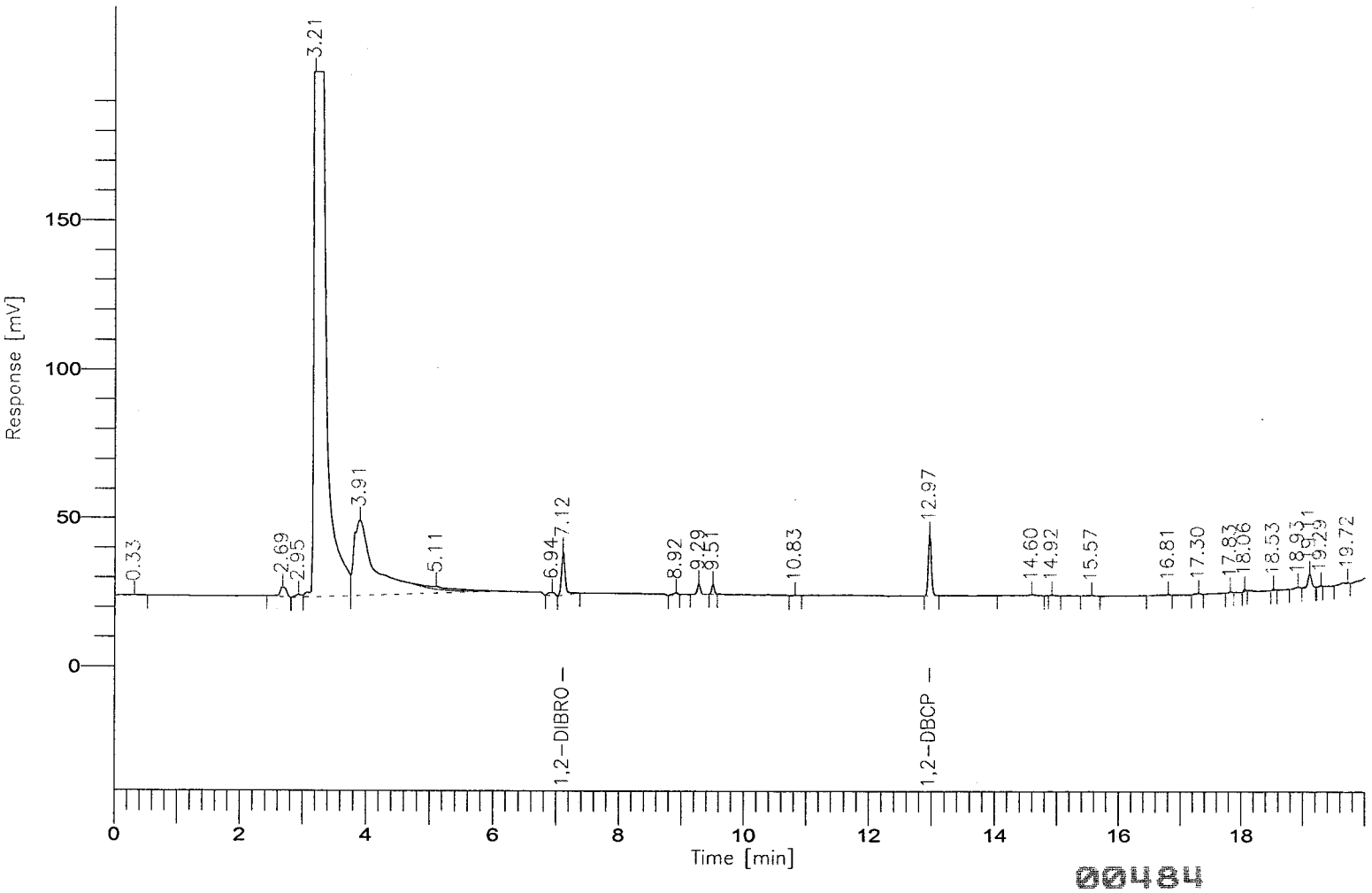
Channel : B A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 18:47
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL127.RAW
Result File : C:\TC4\158\JULY2012\BJUL127.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL127.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00484

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0059	15036.64	60136.00	35	2	0.33749	Pass
12.97	1,2-DBCP (2C)	0.0058	20878.90	69245.00	35	2	0.32894	↓
			35915.54	129381.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL127.TX0

ASC 7/17/12

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Laboratory ID: 2H06025-SCV1

Sequence: 2H06025

SDG: KNM070512

Project: KNM

Standard ID: 2080223

Calibration: 2H06011

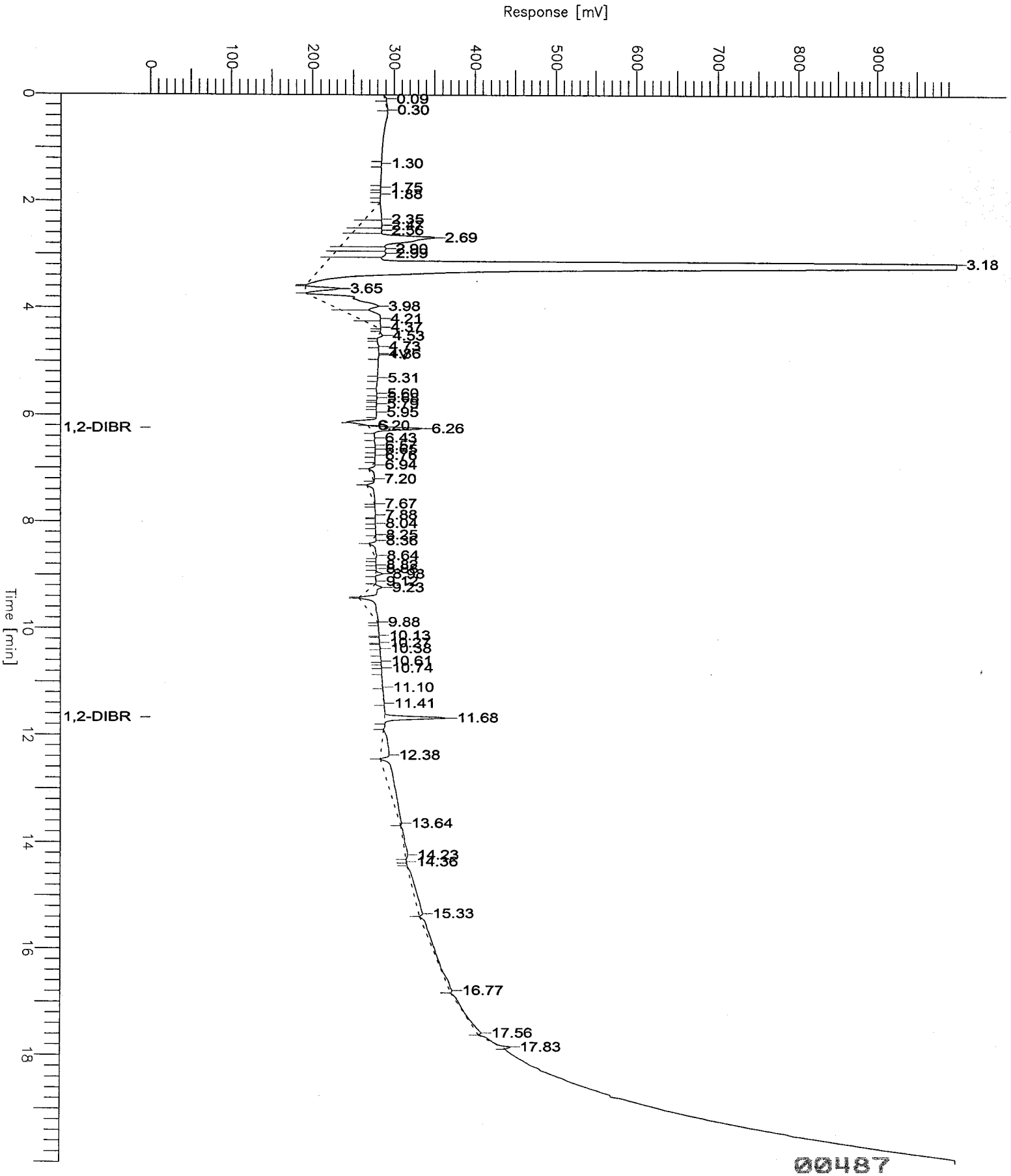
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
1,2-Dibromoethane	0.00560	0.00580	104	75-125
1,2-Dibromo-3-chloropropane	0.00560	0.00500	89	75-125

* Values outside of QC limits

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\AUG2012\Aaug040.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:59
Time of Injection: 8/3/12 13:29
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00487

Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : JMF

Time : 8/3/12 13:58
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

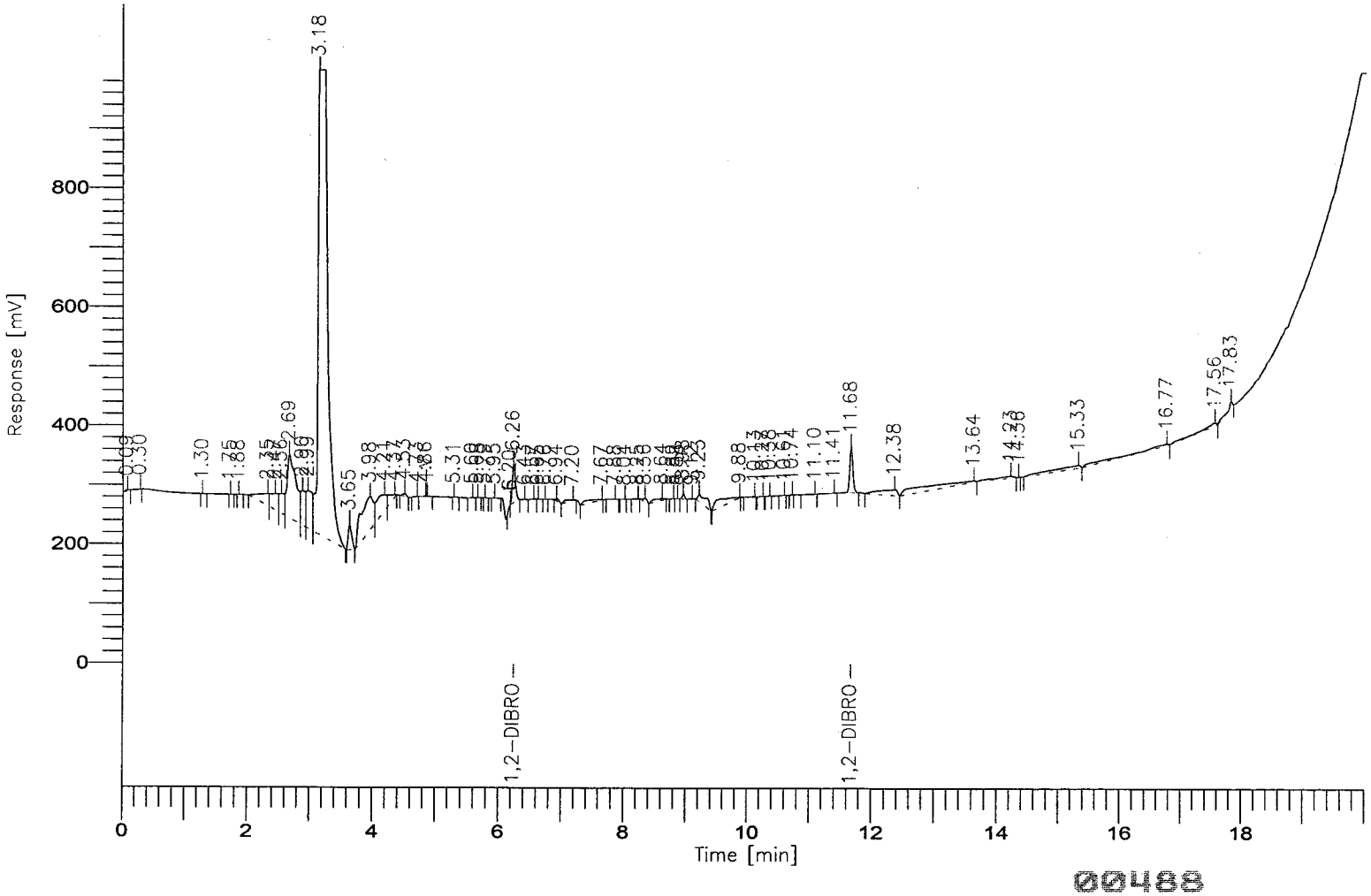
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:29
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG040.RAW
Result File : C:\TC4\158\AUG2012\AAUG040.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG040.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00488

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.26	1,2-DIBROMOETHANE	0.0058	65868.14	230057.00	35	2	0.33112	Pass
11.68	1,2-DIBROMO3CHLOROPR	0.0050	77816.24	274464.50	35	2	0.28513	
			143684.38	504521.50				

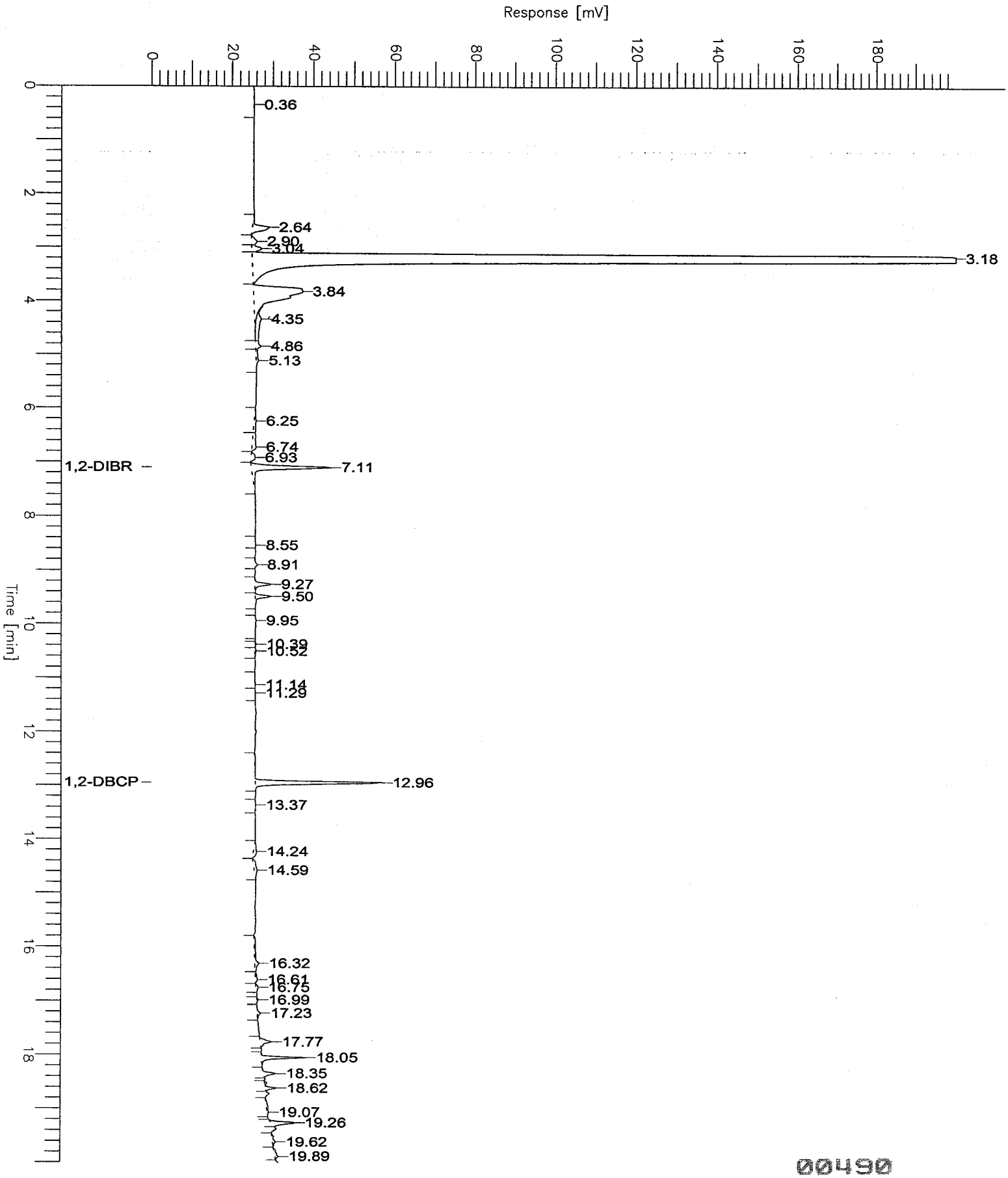
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG040.TX0

ASC 8/6/12

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\AUG2012\Baug040.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/3/12 13:59
Time of Injection: 8/3/12 13:29
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00490

Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : JMF

Time : 8/3/12 13:59
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

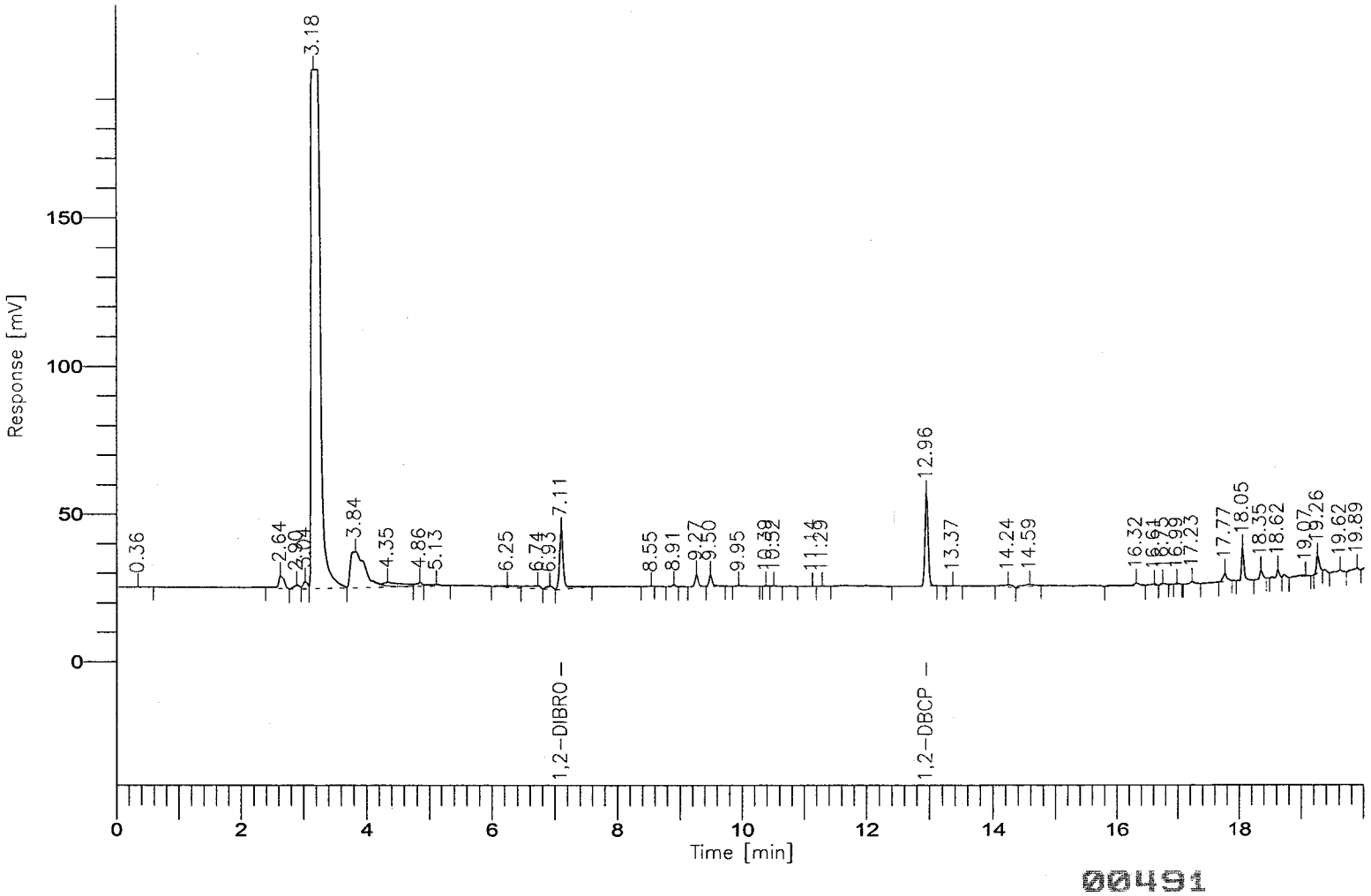
Channel : B A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:29
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG040.RAW
Result File : C:\TC4\158\AUG2012\BAUG040.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG040.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00491

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0057	20210.86	86337.00	35	2	0.32568	Pass
12.96	1,2-DBCP (2C)	0.0053	32011.50	107031.00	35	2	0.30313	
			52222.36	193368.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG040.TX0

ASC 8/6/12

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Laboratory ID: 2H17033-SCV1

Sequence: 2H17033

SDG: KNM070512

Project: KNM

Standard ID: 2080706

Calibration: 2H17010

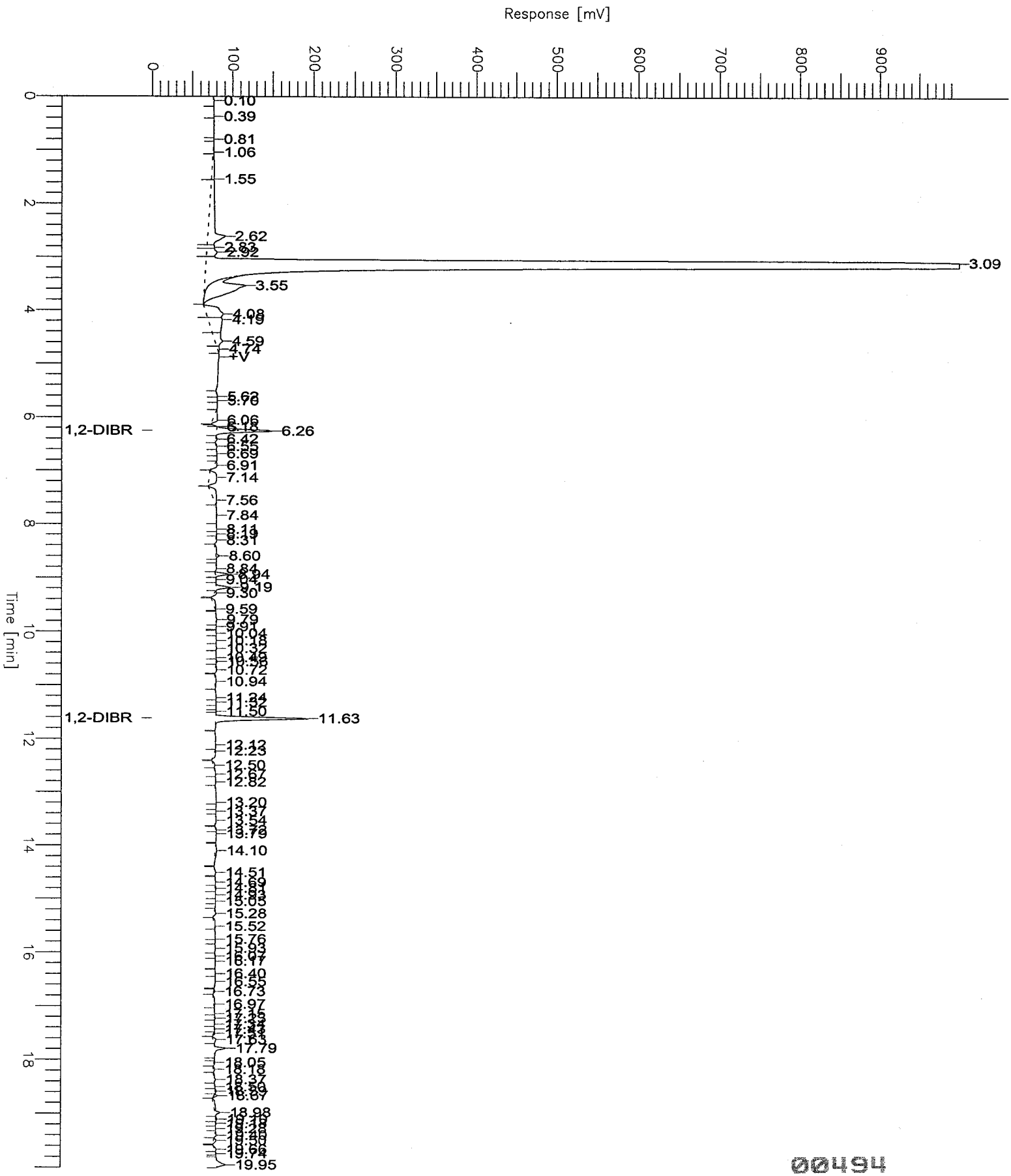
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
1,2-Dibromoethane	0.00560	0.00570	102	75-125
1,2-Dibromo-3-chloropropane	0.00560	0.00560	100	75-125

* Values outside of QC limits

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\AUG2012\Aaug222.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:00
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00494

Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : BJH

Time : 8/17/12 08:13
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

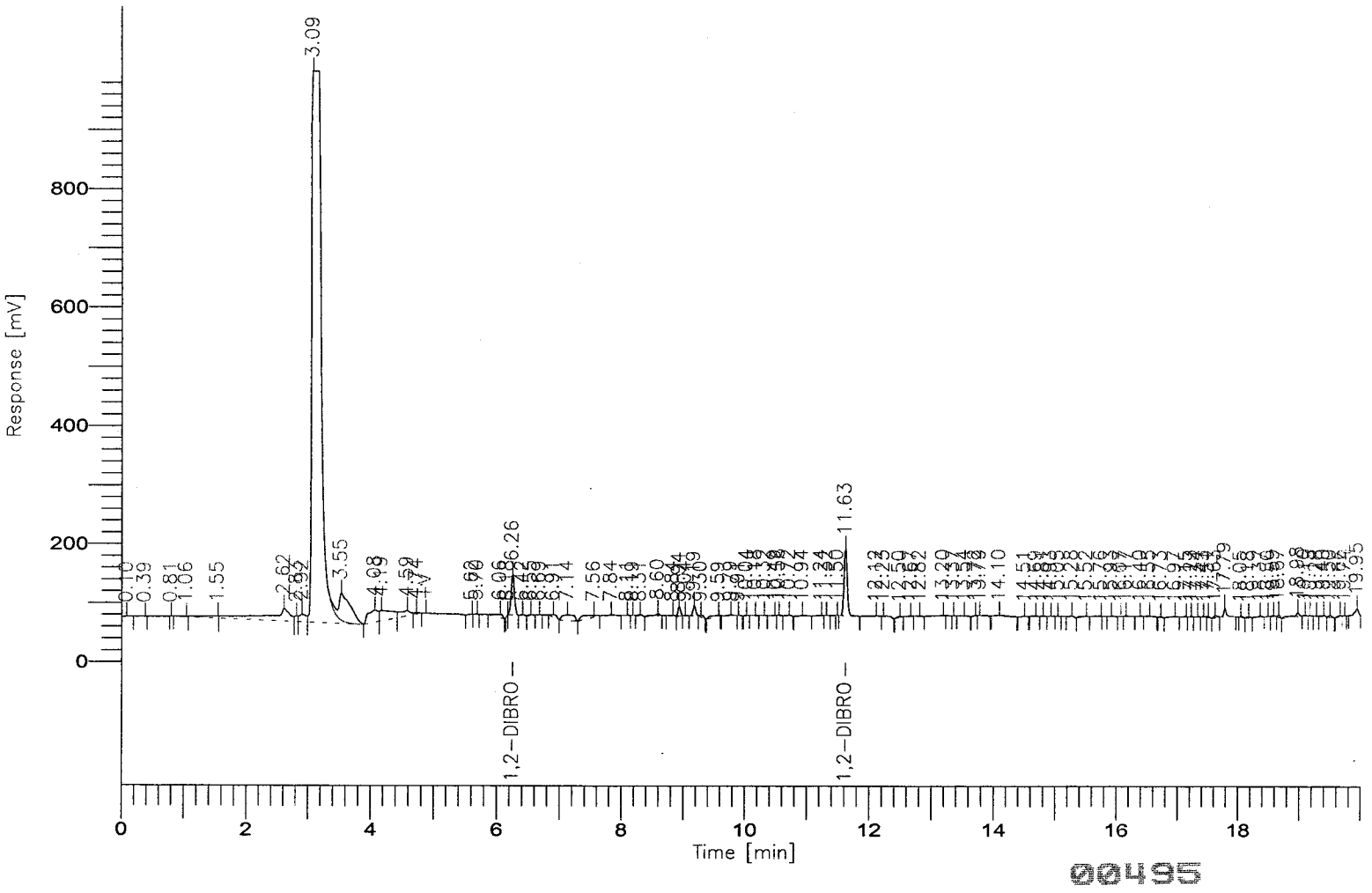
Channel : A A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:00
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG222.RAW
Result File : C:\TC4\158\AUG2012\AAUG222.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG222.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00495

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

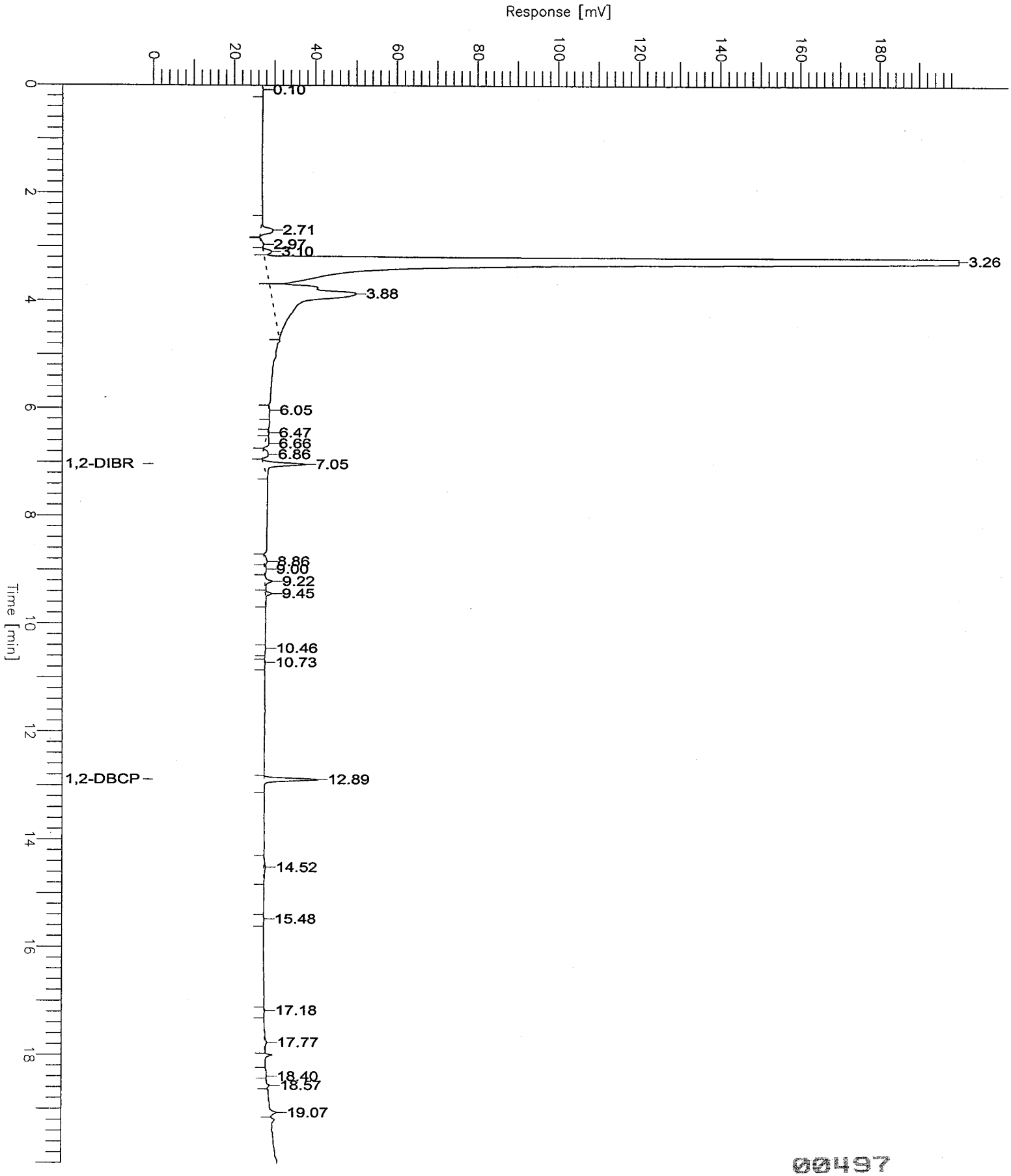
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.26	1,2-DIBROMOETHANE	0.0057	70567.73	249360.00	35	2	0.32560	Pass
11.63	1,2-DIBROMO3CHLOROPR	0.0056	116880.80	404977.00	35	2	0.32248	↓
			187448.53	654337.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG222.TX0

Chromatogram

Sample Name : SCV
FileName : C:\TC4\158\AUG2012\Baug222.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:00
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



Software Version: 4.1<2F12>
Sample Name : SCV
Sample Number:
Operator : BJH

Time : 8/17/12 08:13
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

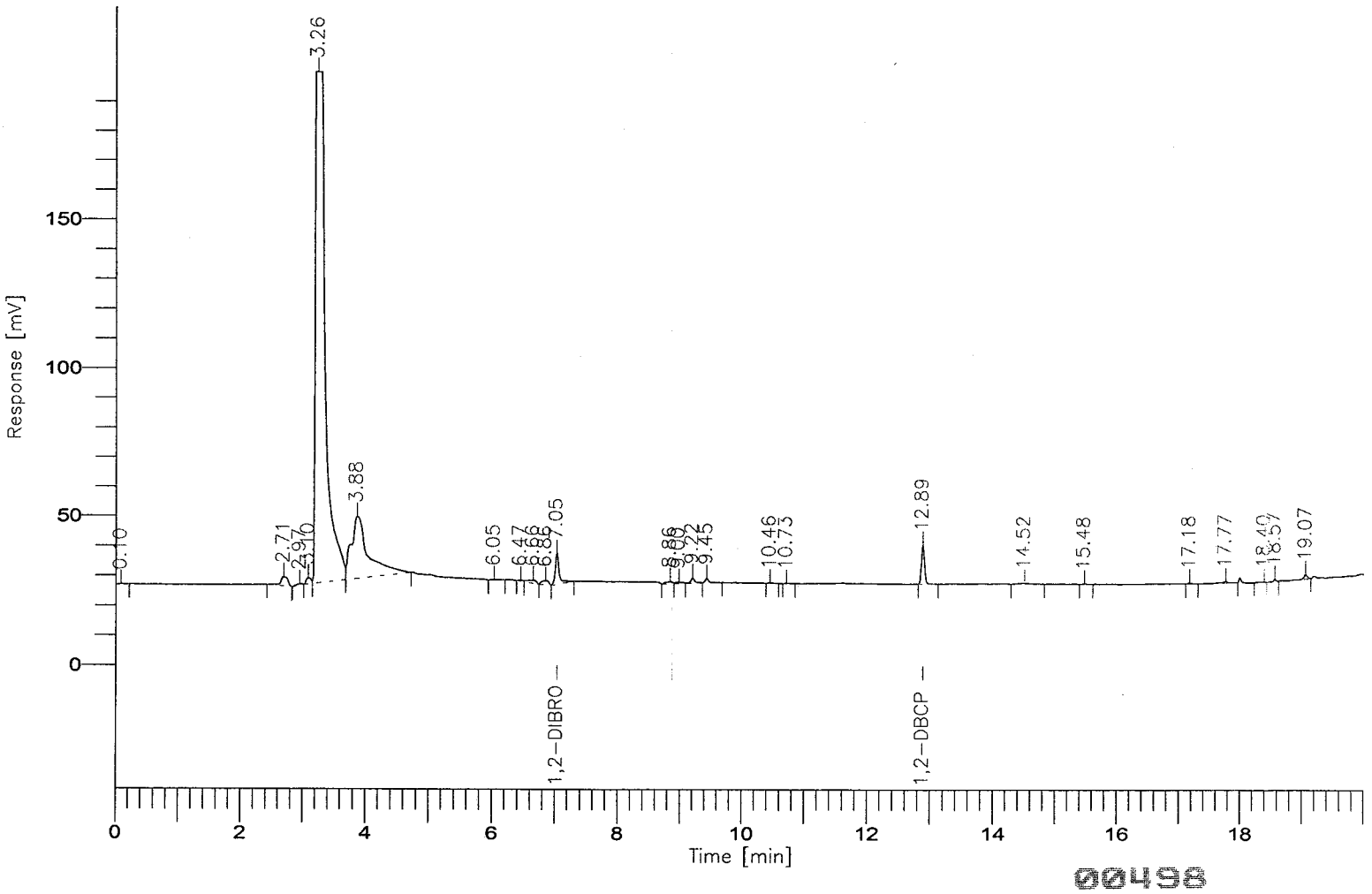
Channel : B A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:00
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG222.RAW
Result File : C:\TC4\158\AUG2012\BAUG222.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG222.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00498

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.04	1,2-DIBROMOETHANE (2	0.0054	10608.62	46946.00	35	2	0.30948	Pass
12.89	1,2-DBCP (2C)	0.0053	13487.95	45138.00	35	2	0.30185	
			24096.57	92084.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG222.TX0

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2G17011-CCV1
Lab File ID: AJUL138-0
Injection Date: 07/17/12
Injection Time: 00:02
Calibration Date: 07/16/12 10:20
Calibration: 2G17004
Sequence: 2G17011
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00580	8041816	6495480		3.6	40

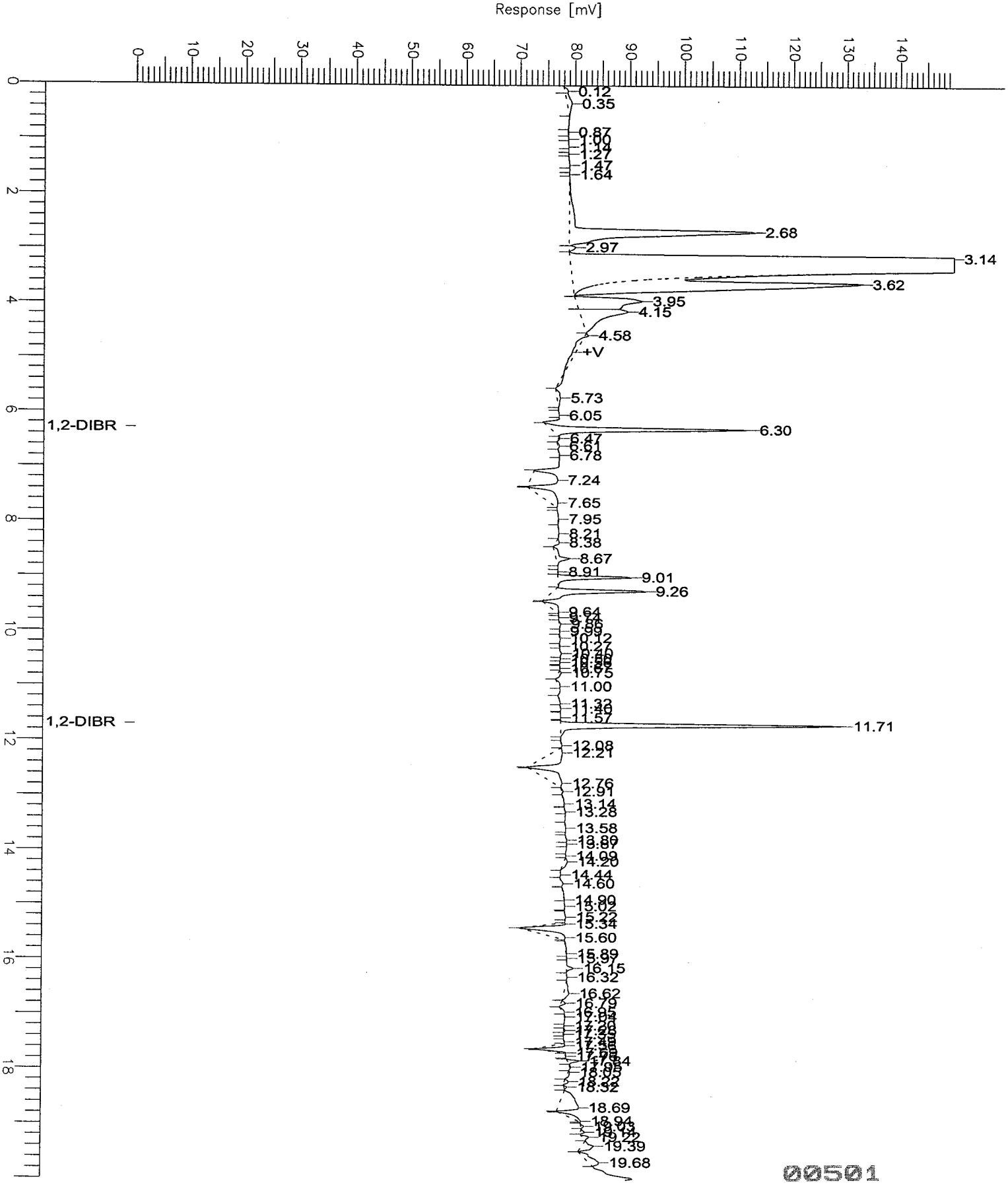
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

00500

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\JULY2012\AJUL138.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:35
Time of Injection: 7/17/12 00:02
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00501

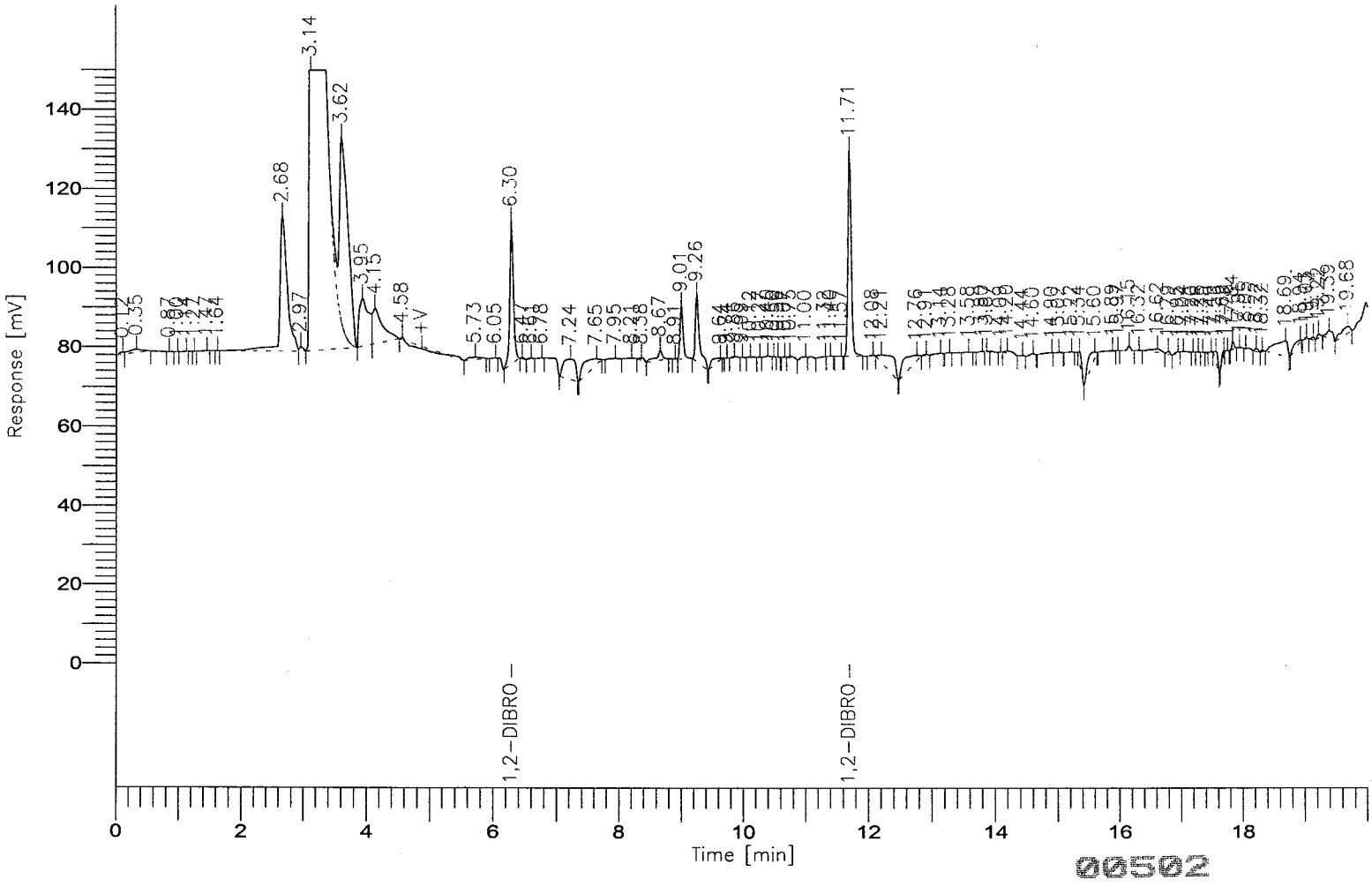
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 7/17/12 08:35
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:02
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL138.RAW
Result File : C:\TC4\158\JULY2012\AJUL138.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL138.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00502

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.30	1,2-DIBROMOETHANE	0.0058	36374.69	144851.50	35	2	0.33003	Pass
11.70	1,2-DIBROMO3CHLOROPR	0.0057	53011.29	191307.00	35	2	0.32774	↓
			89385.98	336158.50				

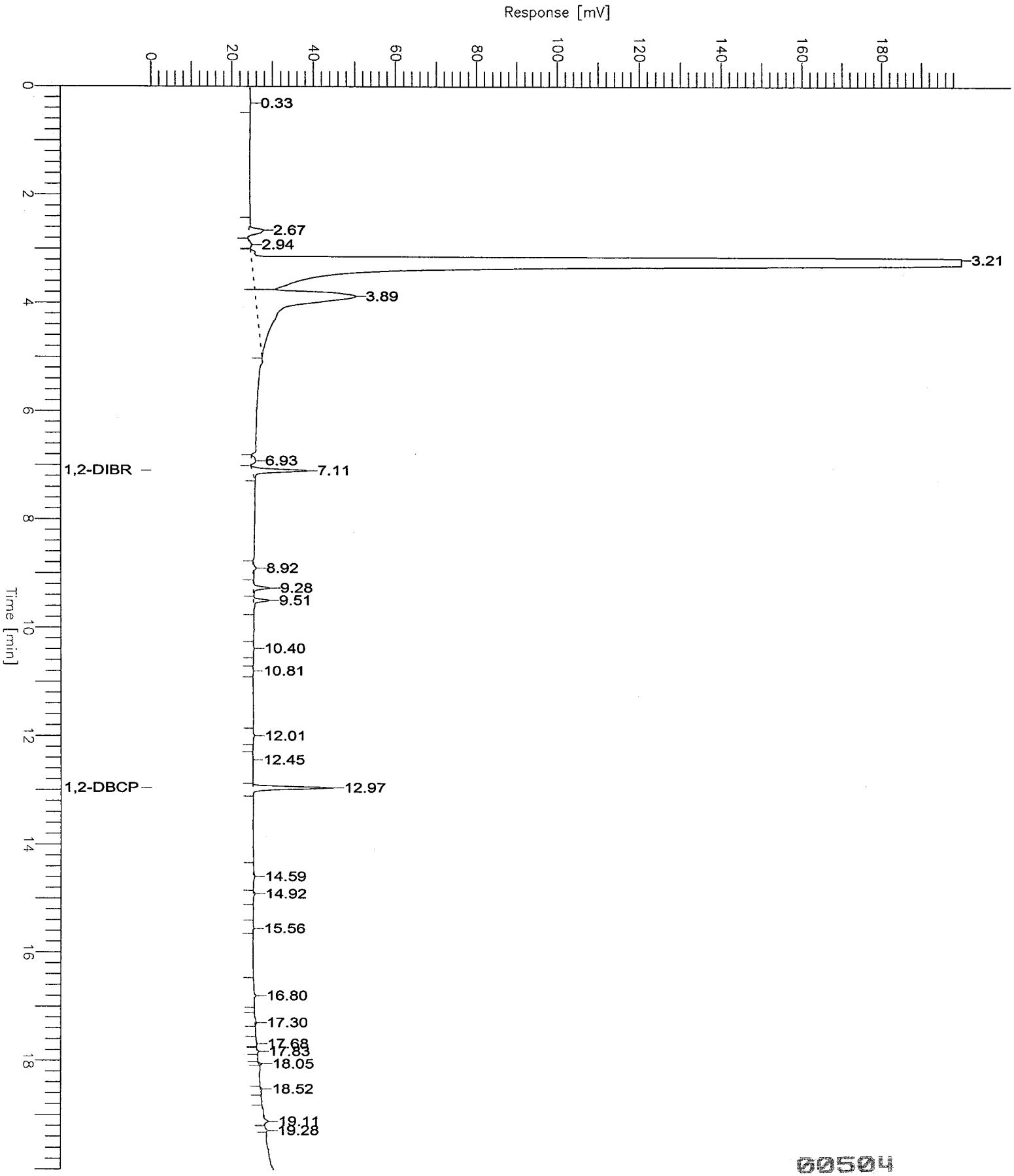
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL138.TX0

ASC 7/17/12

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\JULY2012\BJUL138.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:19
Time of Injection: 7/17/12 00:02
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00504

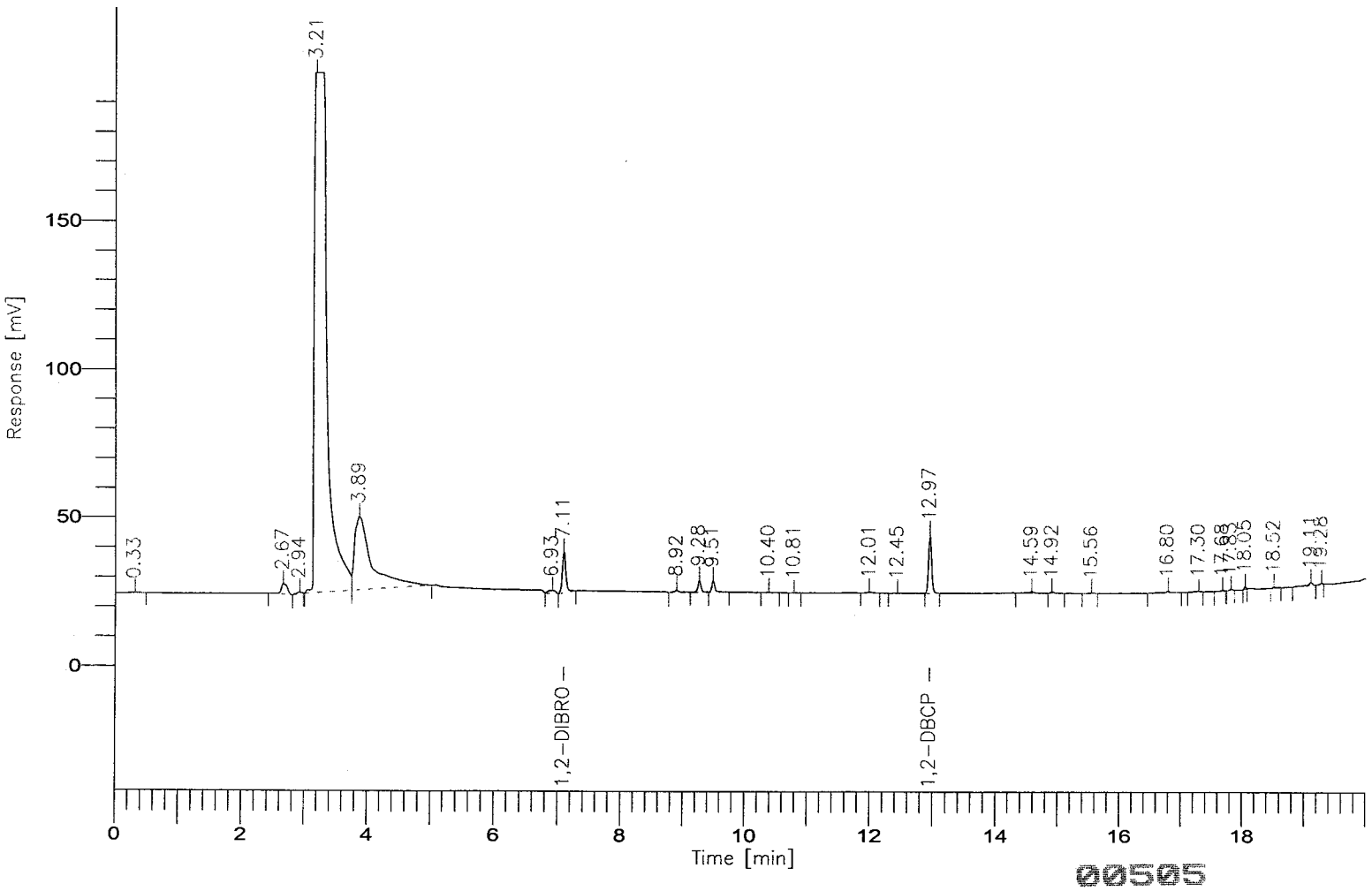
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 7/17/12 08:19
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 00:02
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL138.RAW
Result File : C:\TC4\158\JULY2012\BJUL138.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL138.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00505

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0055	13993.67	54688.00	35	2	0.31237	Pass ↓
12.96	1,2-DBCP (2C)	0.0055	19845.75	65352.00	35	2	0.31237	
			33839.43	120040.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL138.TX0

ASC 7/17/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2G17011-CCV2
Lab File ID: AJUL143-0
Injection Date: 07/17/12
Injection Time: 02:24
Calibration Date: 07/16/12 10:20
Calibration: 2G17004
Sequence: 2G17011
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00570	8041816	6467452		1.8	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

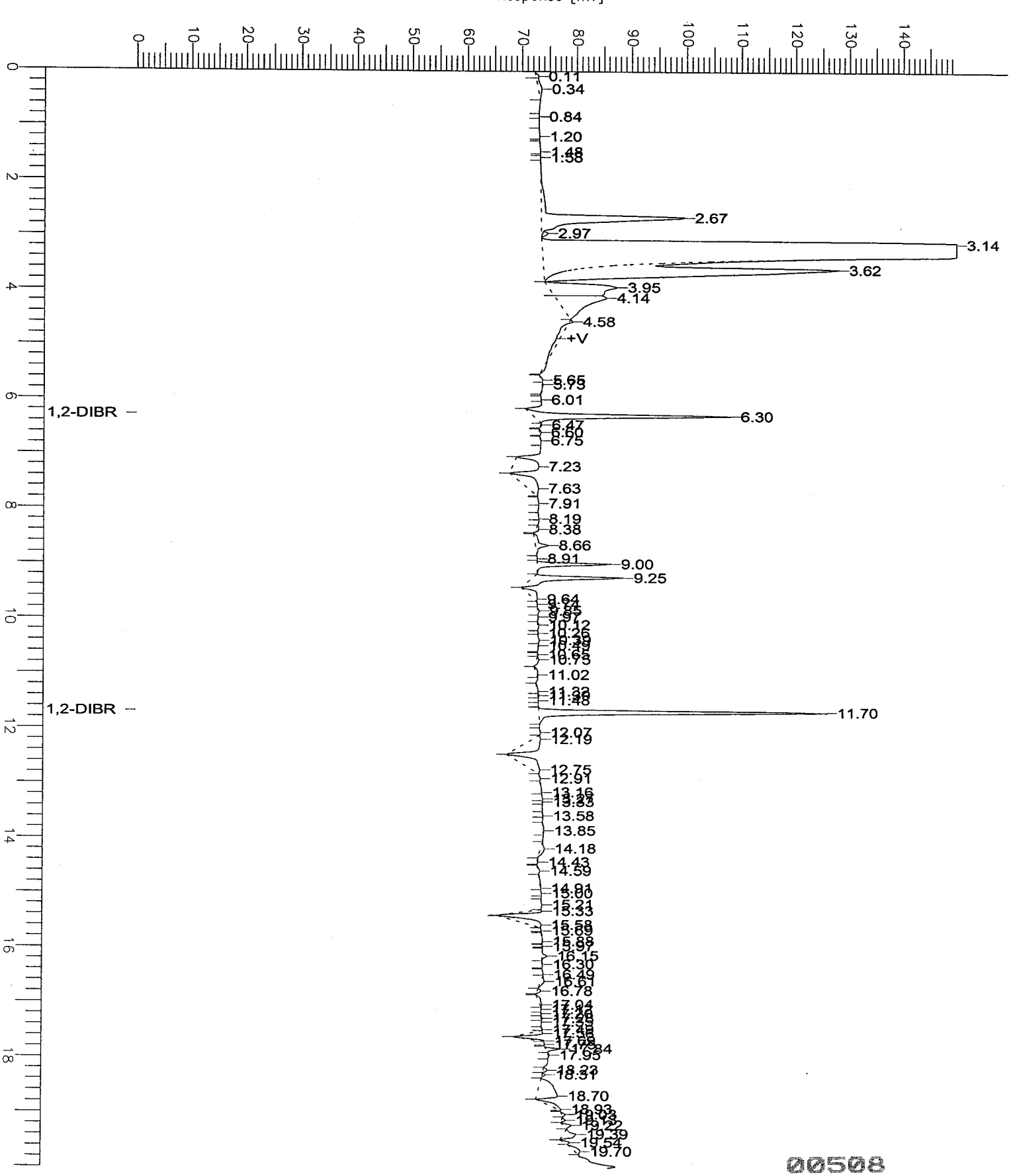
* Values outside of QC limits

00507

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\JULY2012\AJUL143.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:35
Time of Injection: 7/17/12 02:24
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00508

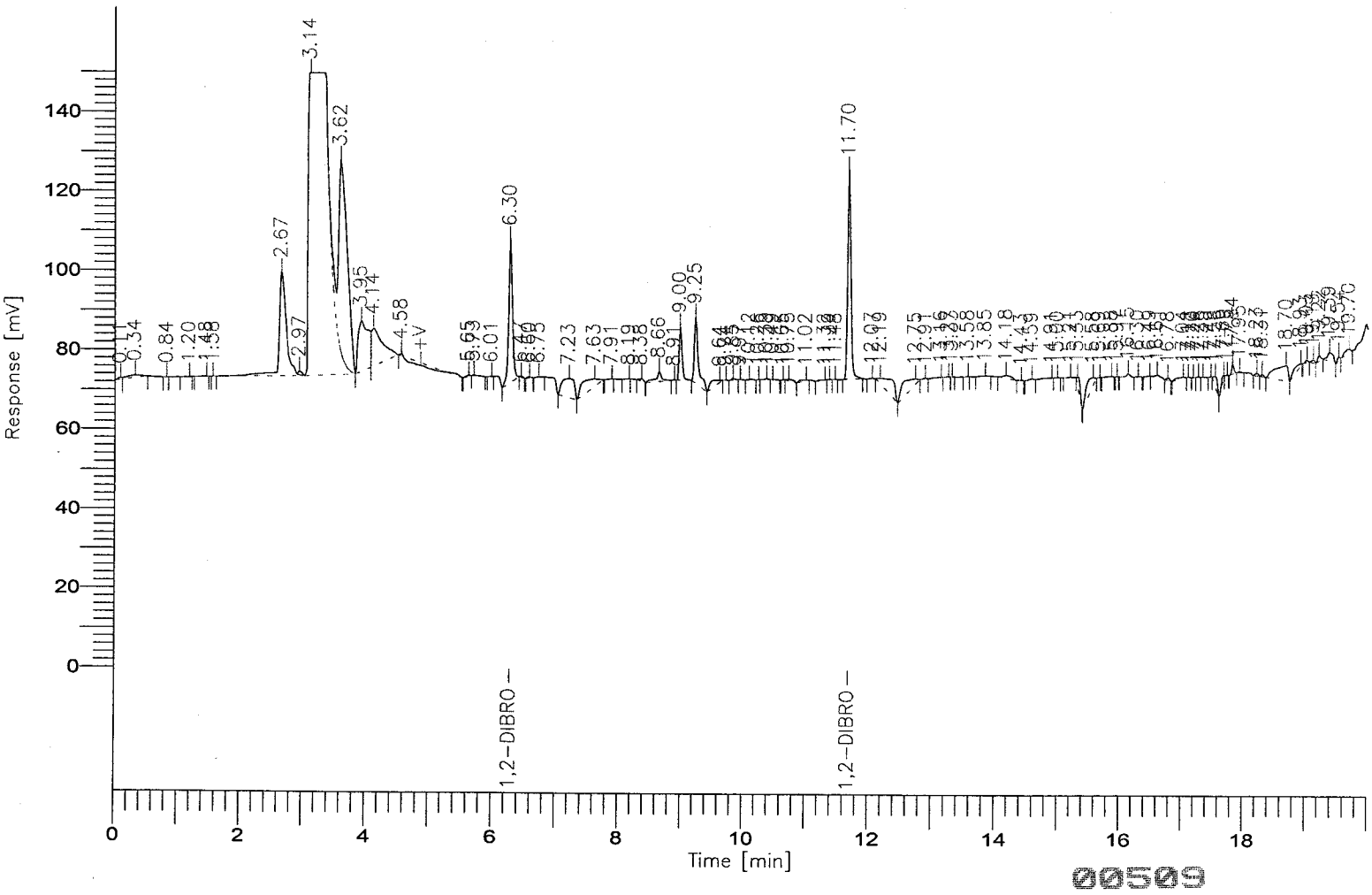
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 7/17/12 08:35
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 02:24
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL143.RAW
Result File : C:\TC4\158\JULY2012\AJUL143.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL143.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00509

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.30	1,2-DIBROMOETHANE	0.0057	36217.73	145926.00	35	2	0.32848	Pass
11.70	1,2-DIBROMO3CHLOROPR	0.0058	53162.48	192371.00	35	2	0.32871	
			89380.21	338297.00				

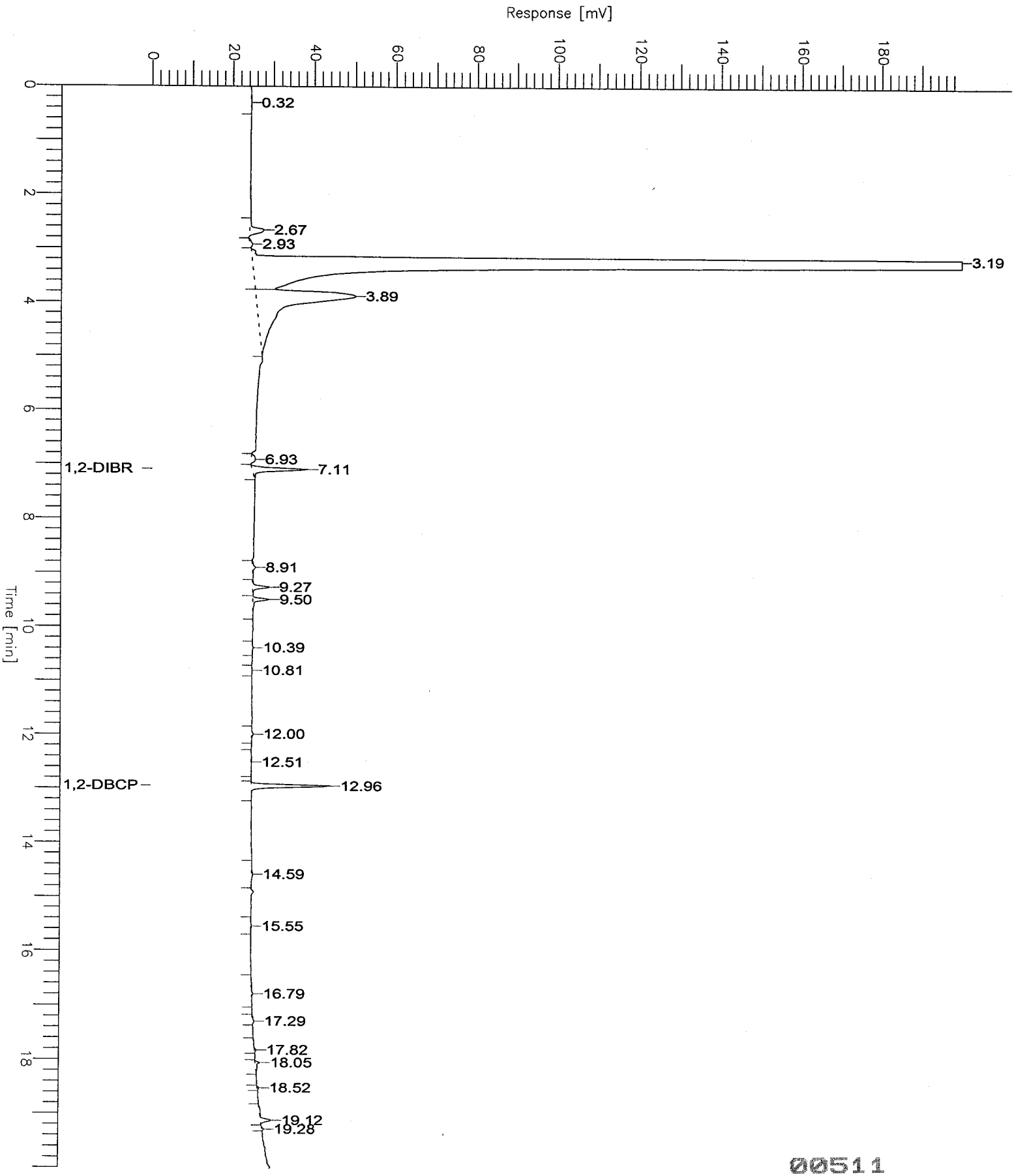
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL143.TX0

ASC 7/17/12

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\JULY2012\BJUL143.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:20
Time of Injection: 7/17/12 02:24
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00511

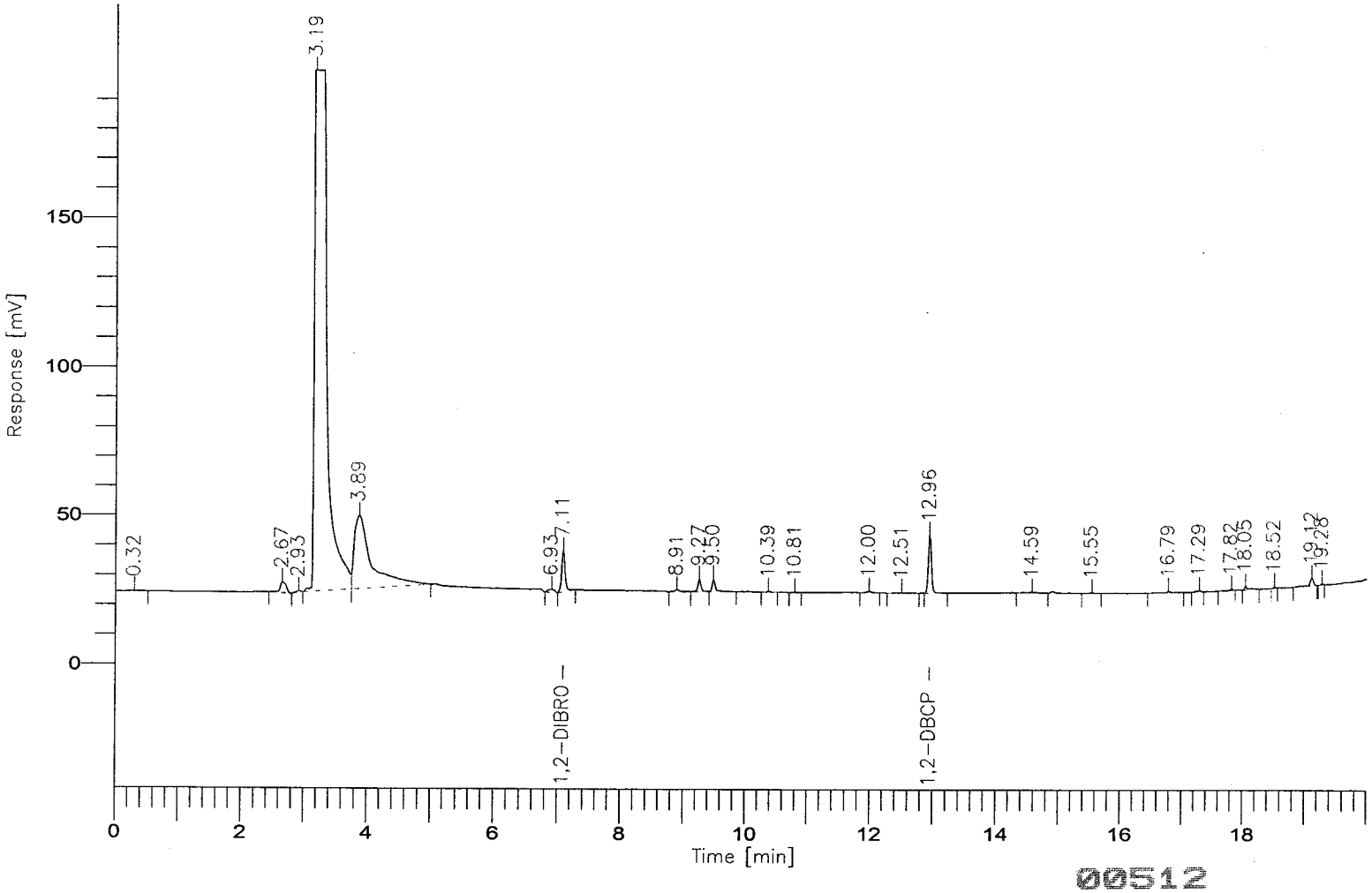
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 7/17/12 08:20
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/17/12 02:24
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL143.RAW
Result File : C:\TC4\158\JULY2012\BJUL143.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL143.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00512

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.10	1,2-DIBROMOETHANE (2	0.0055	14052.11	54456.50	35	2	0.31377	Pass
12.96	1,2-DBCP (2C)	0.0054	19785.55	65506.00	35	2	0.31140	↓
			33837.66	119962.50				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL143.TX0

ASC 7/17/12

CONTINUING CALIBRATION CHECK

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2G25008-CCV1
Lab File ID: AJUL221-0
Injection Date: 07/24/12
Injection Time: 13:20
Calibration Date: 07/16/12 10:20
Calibration: 2G17004
Sequence: 2G25008
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00660	8041816	7396818		17.9	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

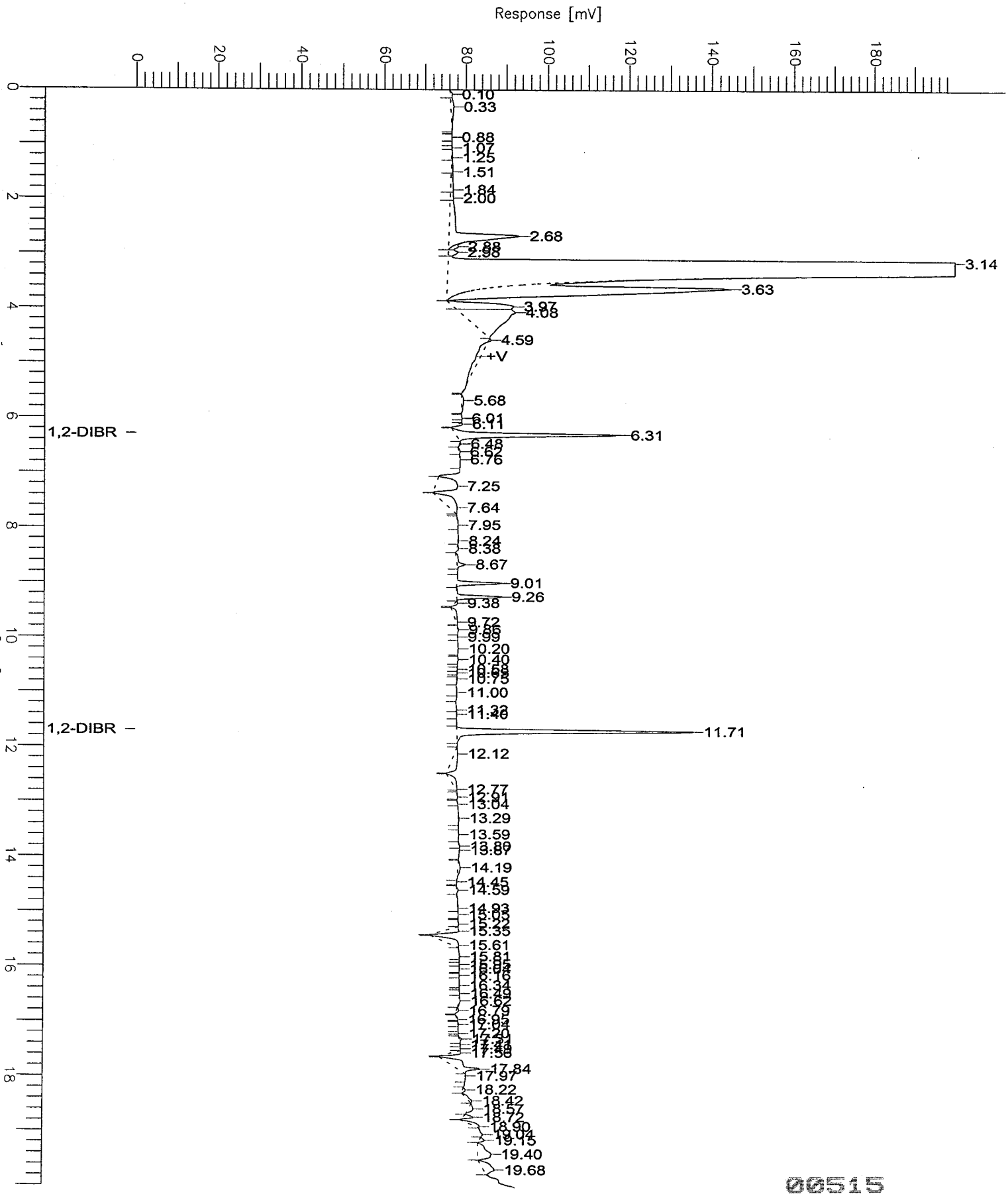
* Values outside of QC limits

00514

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\JULY2012\AJUL221.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 13:20
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00515

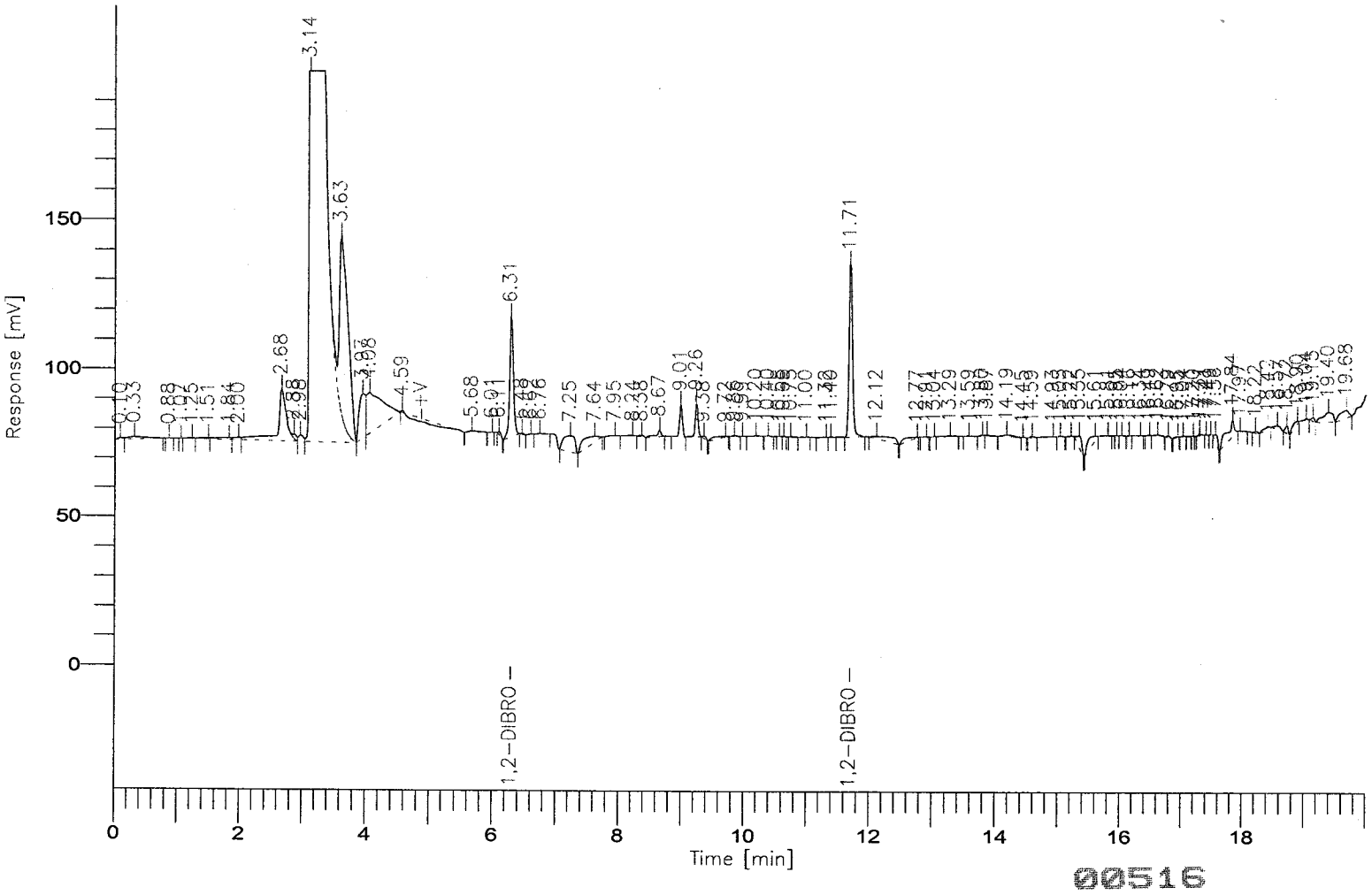
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 7/25/12 08:40
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 13:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL221.RAW
Result File : C:\TC4\158\JULY2012\AJUL221.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL221.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00516

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.31	1,2-DIBROMOETHANE	0.0066	41422.18	163094.00	35	2	0.37985	Pass
11.71	1,2-DIBROMO3CHLOROPR	0.0066	60841.76	222757.00	35	2	0.37784	
			102263.94	385851.00				

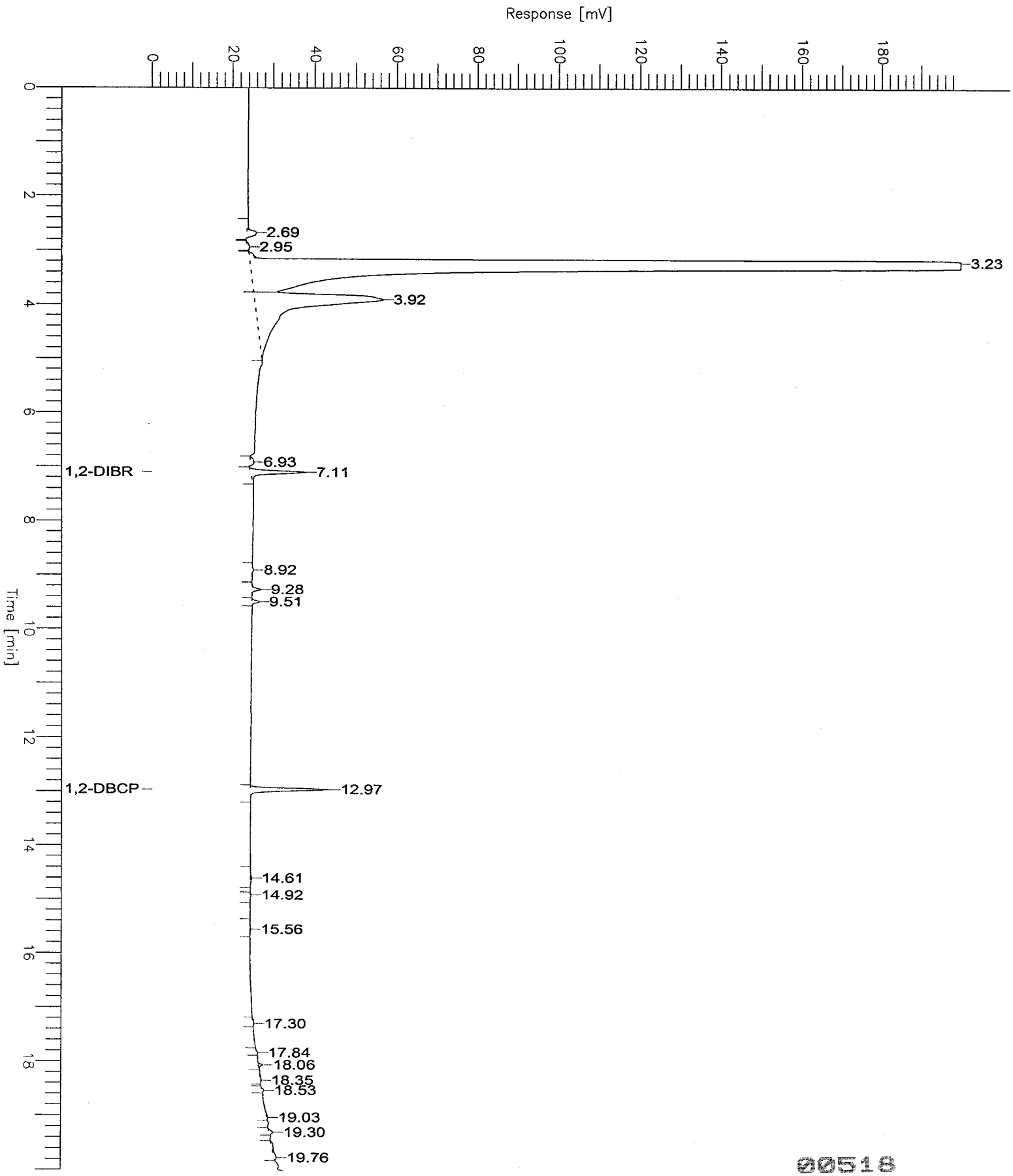
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL221.TX0

7/26/12

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\JULY2012\BJUL221.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 13:20
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00518

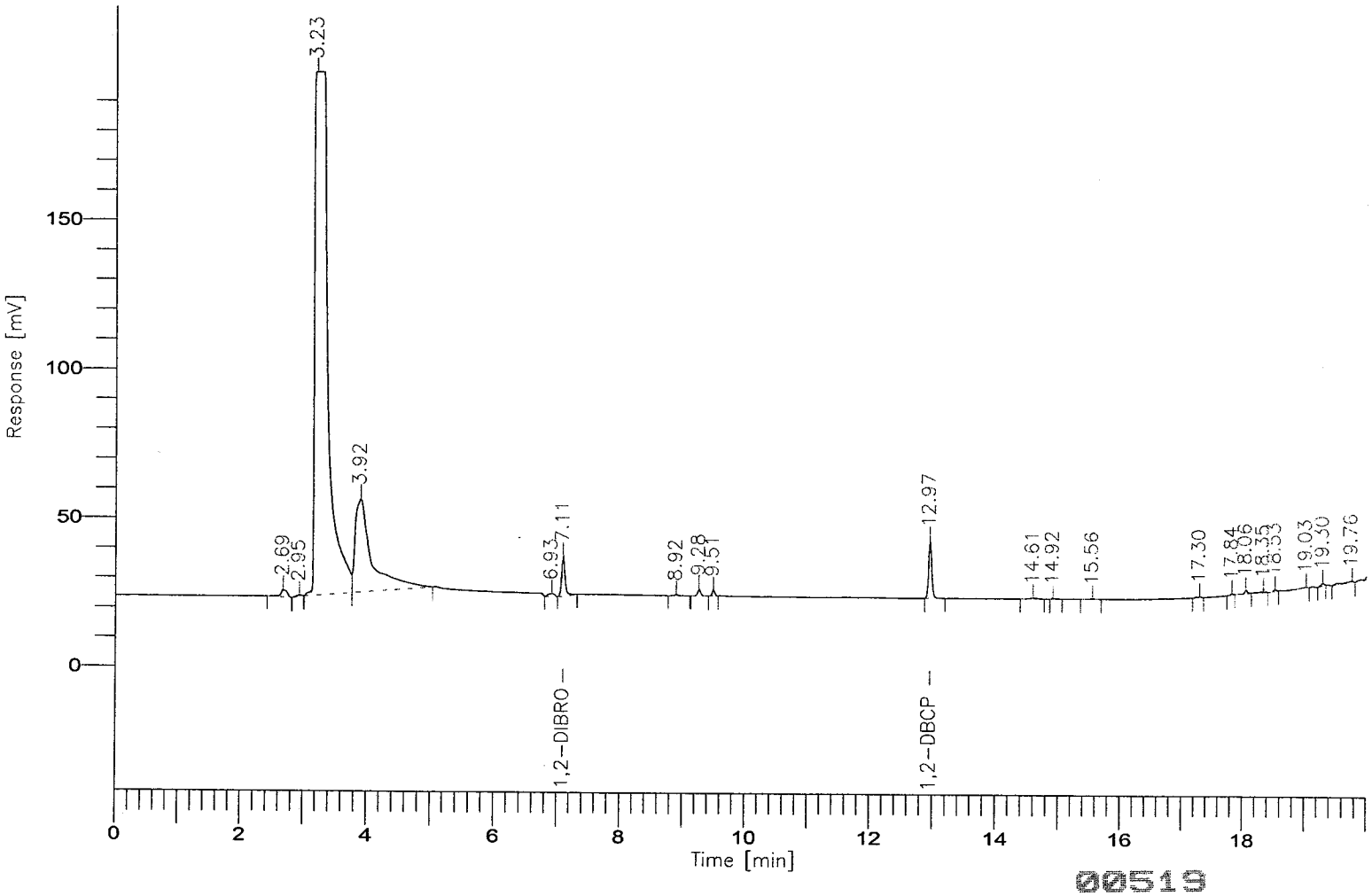
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 7/25/12 08:40
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 13:20
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL221.RAW
Result File : C:\TC4\158\JULY2012\BJUL221.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL221.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00519

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0053	13671.81	53679.50	35	2	0.30461	Pass
12.97	1,2-DBCP (2C)	0.0053	19327.00	64129.50	35	2	0.30405	
			32998.81	117809.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL221.TX0

7/26/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2G25008-CCV2
Lab File ID: AJUL232-0
Injection Date: 07/24/12
Injection Time: 18:39
Calibration Date: 07/16/12 10:20
Calibration: 2G17004
Sequence: 2G25008
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00660	8041816	7392254		17.9	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

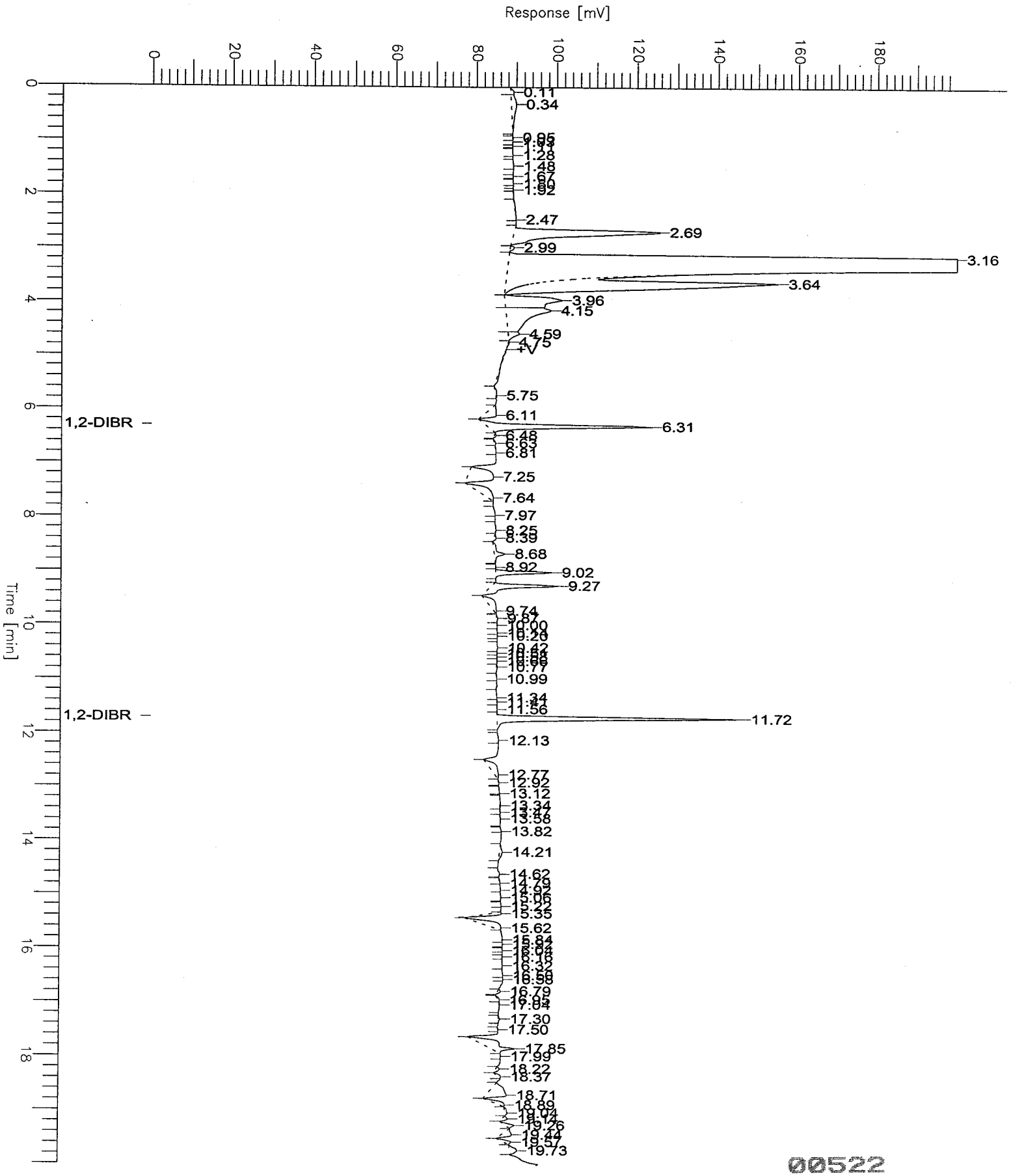
* Values outside of QC limits

00521

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\JULY2012\AJUL232.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 18:39
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00522

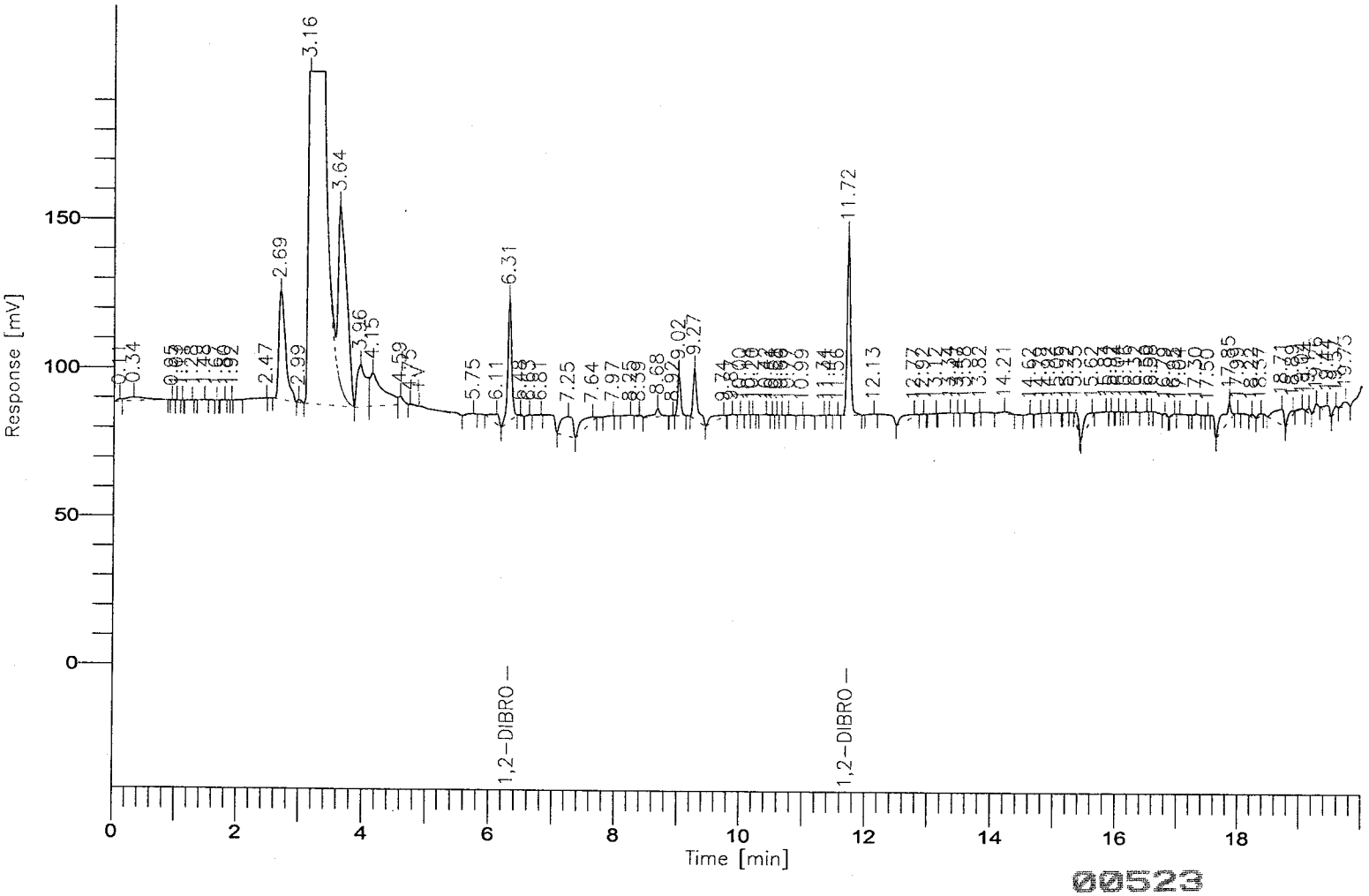
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 18:39
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL232.RAW
Result File : C:\TC4\158\JULY2012\AJUL232.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL232.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00523

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0066	41396.62	170813.00	35	2	0.37960
11.72	1,2-DIBROMO3CHLOROPR	0.0066	60625.59	221096.00	35	2	0.37646
			102022.21	391909.00			

Pass

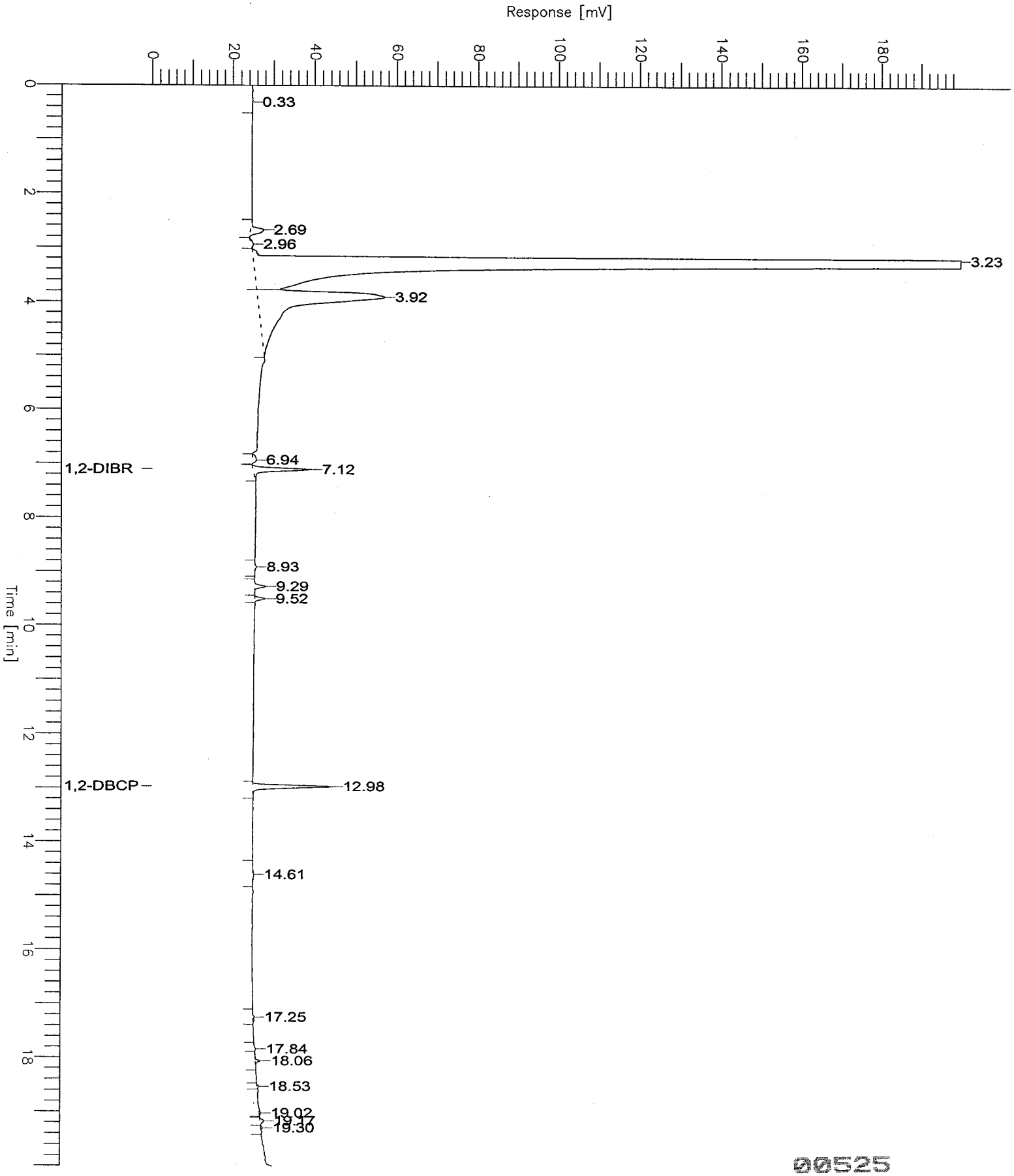
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL232.TX0

7/26/12

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\JULY2012\BJUL232.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 18:39
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00525

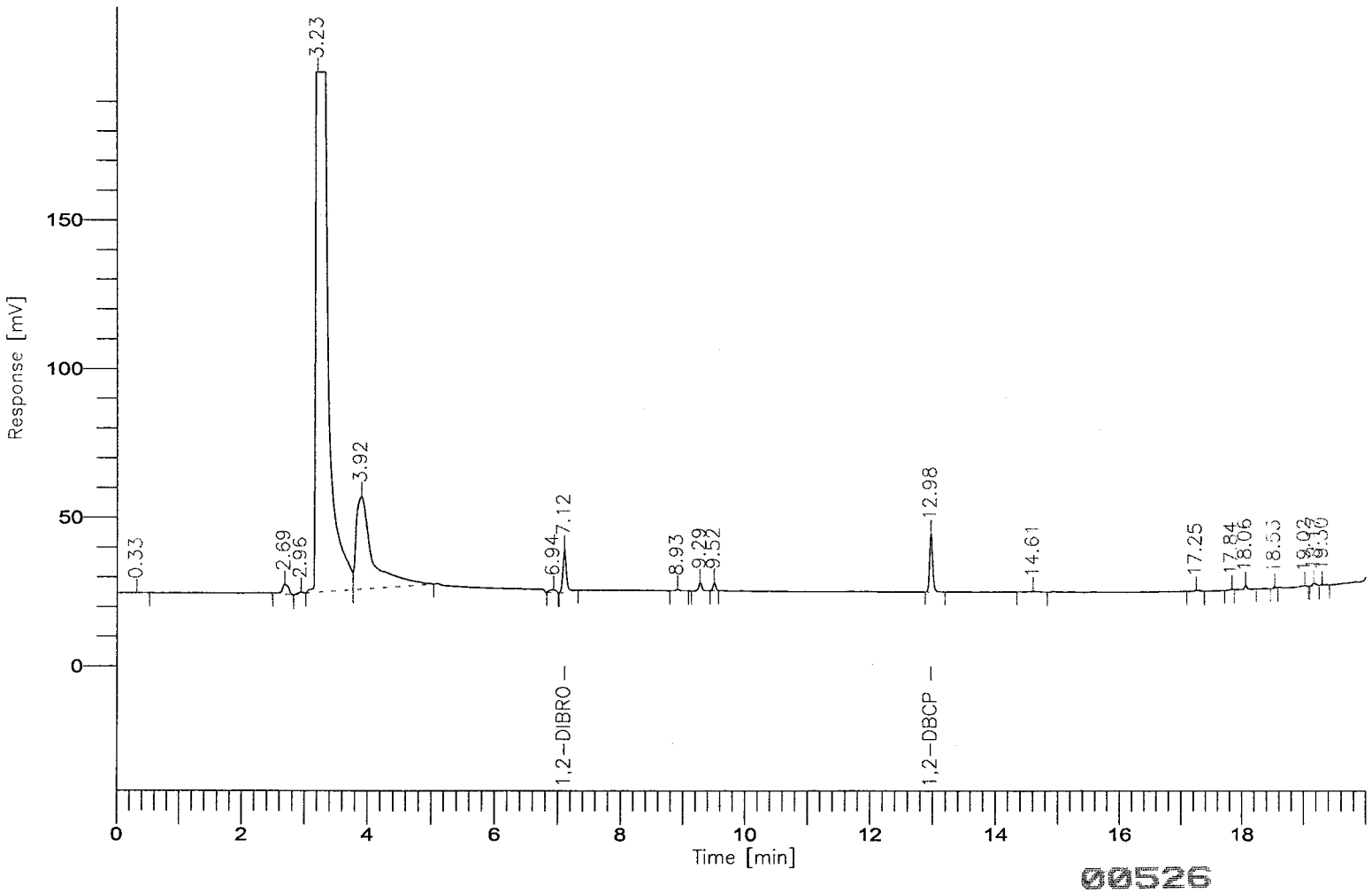
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 18:39
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL232.RAW
Result File : C:\TC4\158\JULY2012\BJUL232.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL232.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00526

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0057	14539.29	56409.00	35	2	0.32551	Pass
12.98	1,2-DBCP (2C)	0.0055	20002.18	67666.50	35	2	0.31488	
			34541.47	124075.50				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL232.TX0

7/26/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2G25008-CCV3
Lab File ID: AJUL237-0
Injection Date: 07/24/12
Injection Time: 21:02
Calibration Date: 07/16/12 10:20
Calibration: 2G17004
Sequence: 2G25008
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00670	8041816	7479377		19.6	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

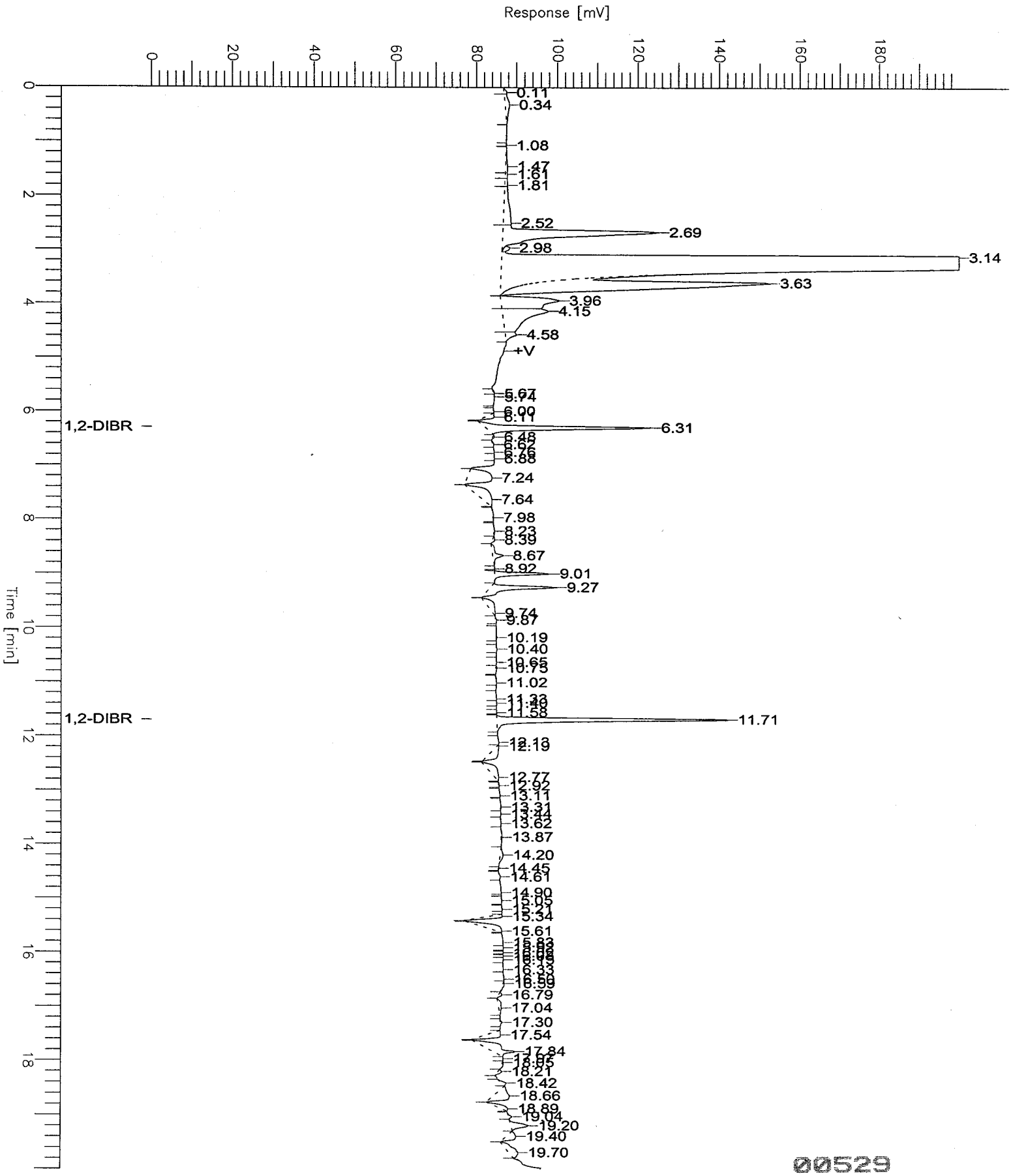
* Values outside of QC limits

00528

Chromatogram

Sample Name : CCV3
FileName : C:\TC4\158\JULY2012\AJUL237.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 21:02
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00529

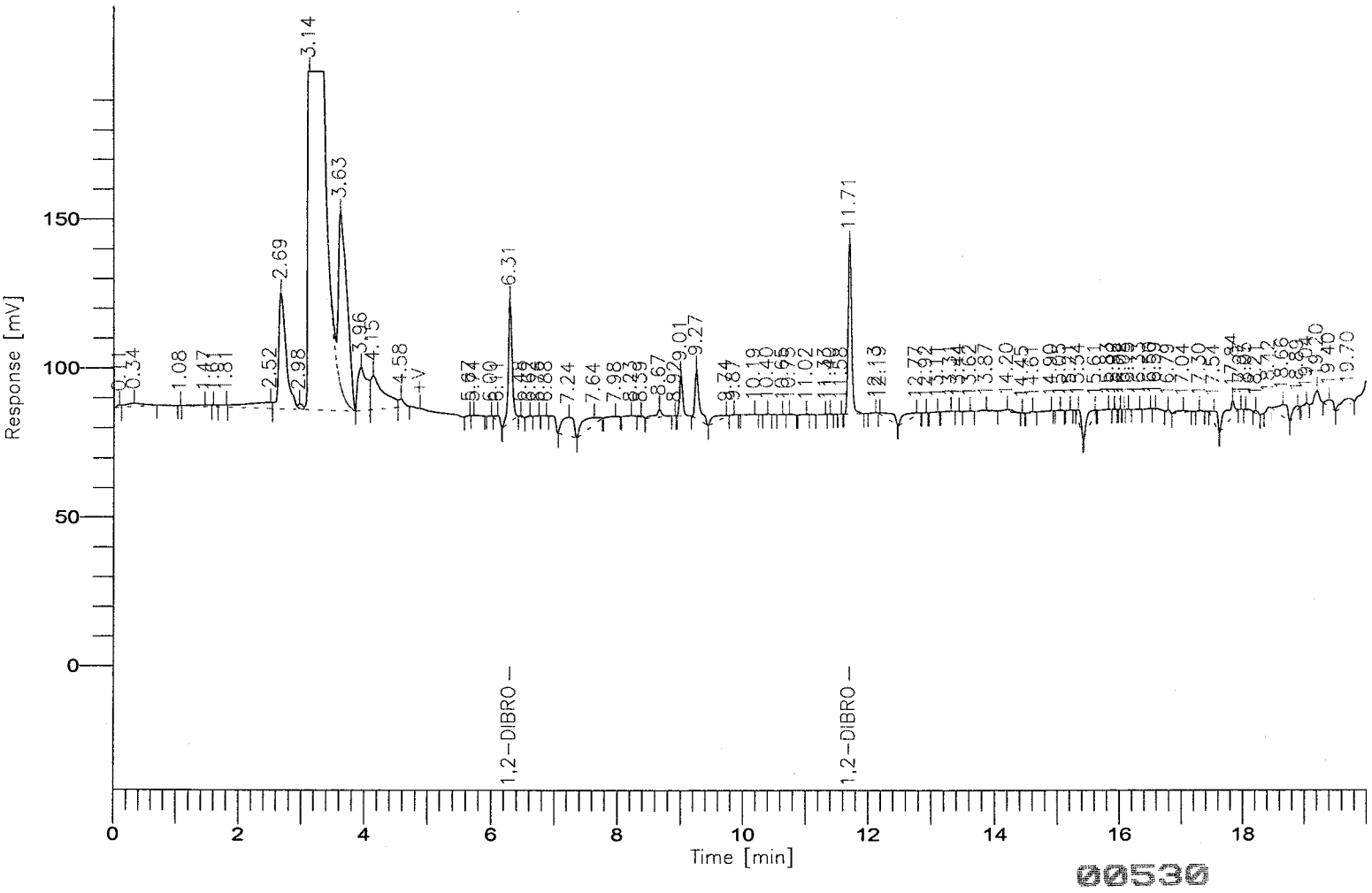
Software Version: 4.1<2F12>
Sample Name : CCV3 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 21:02
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL237.RAW
Result File : C:\TC4\158\JULY2012\AJUL237.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL237.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00530

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.30	1,2-DIBROMOETHANE	0.0067	41884.51	171036.00	35	2	0.38442	Pass
11.71	1,2-DIBROMO3CHLOROPR	0.0065	59655.96	222503.00	35	2	0.37026	
			101540.47	393539.00				

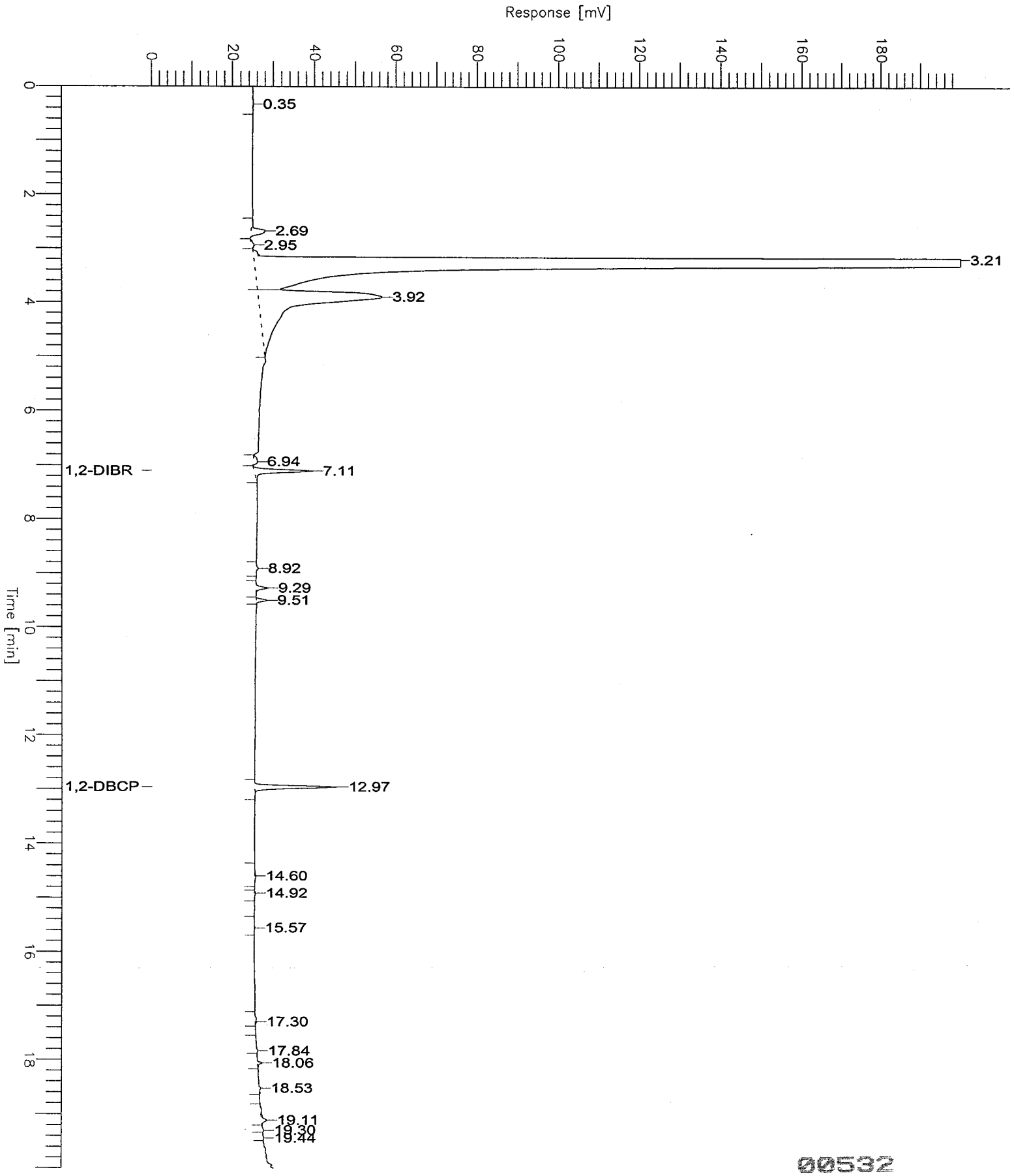
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL237.TX0

7/26/12

Chromatogram

Sample Name : CCV3
FileName : C:\TC4\158\JULY2012\BJUL237.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:42
Time of Injection: 7/24/12 21:02
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00532

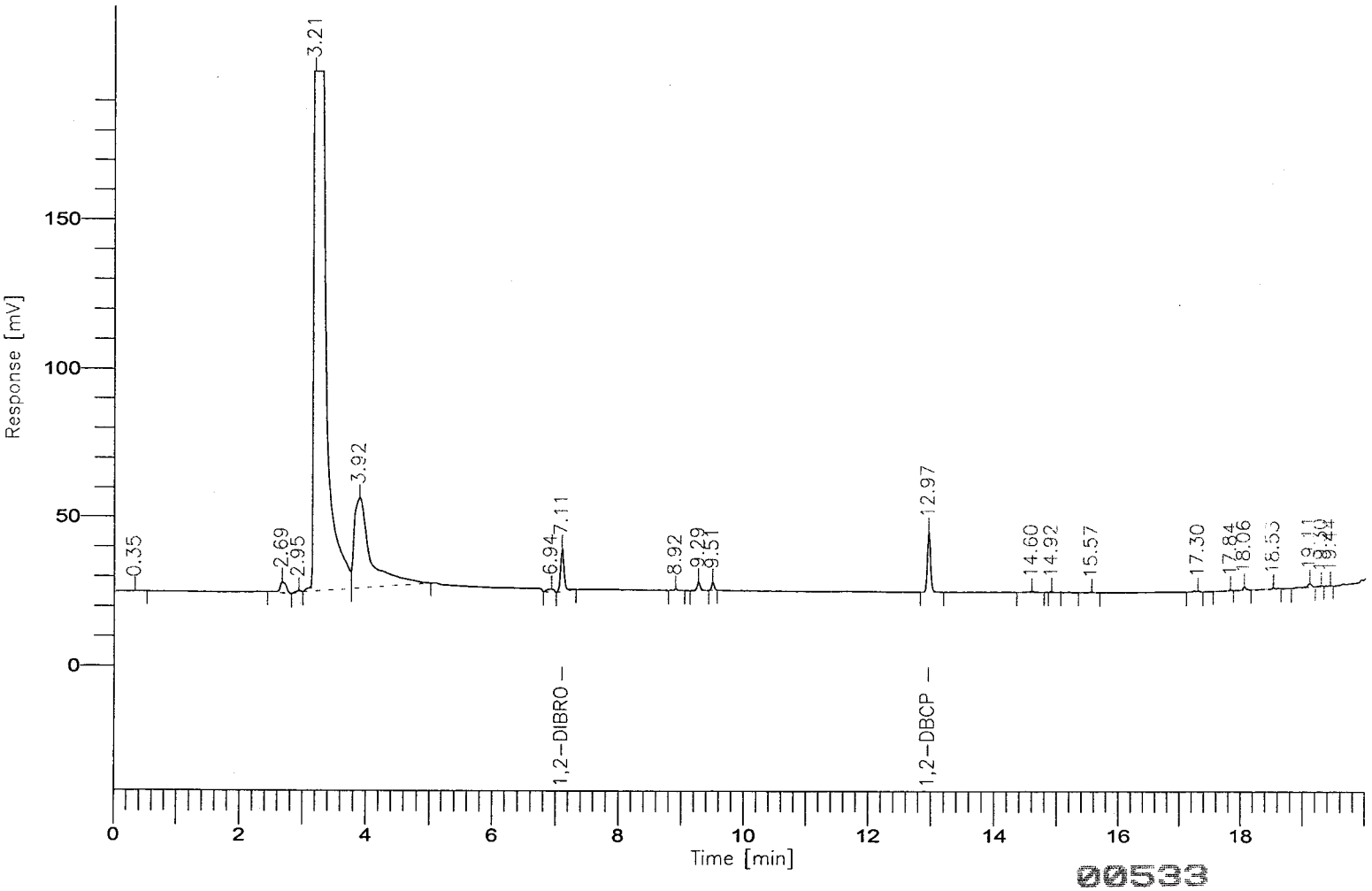
Software Version: 4.1<2F12>
Sample Name : CCV3 Time : 7/25/12 08:42
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 21:02
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL237.RAW
Result File : C:\TC4\158\JULY2012\BJUL237.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL237.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0057	14475.07	56593.00	35	2	0.32396	Pass
12.97	1,2-DBCP (2C)	0.0057	20501.57	67871.00	35	2	0.32289	
			34976.63	124464.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL237.TX0

7/26/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H06025-CCV1
Lab File ID: AAUG045-0
Injection Date: 08/03/12
Injection Time: 15:54
Calibration Date: 08/03/12 08:14
Calibration: 2H06011
Sequence: 2H06025
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00640	1.324421E+07	1.286825E+07		14.3	40

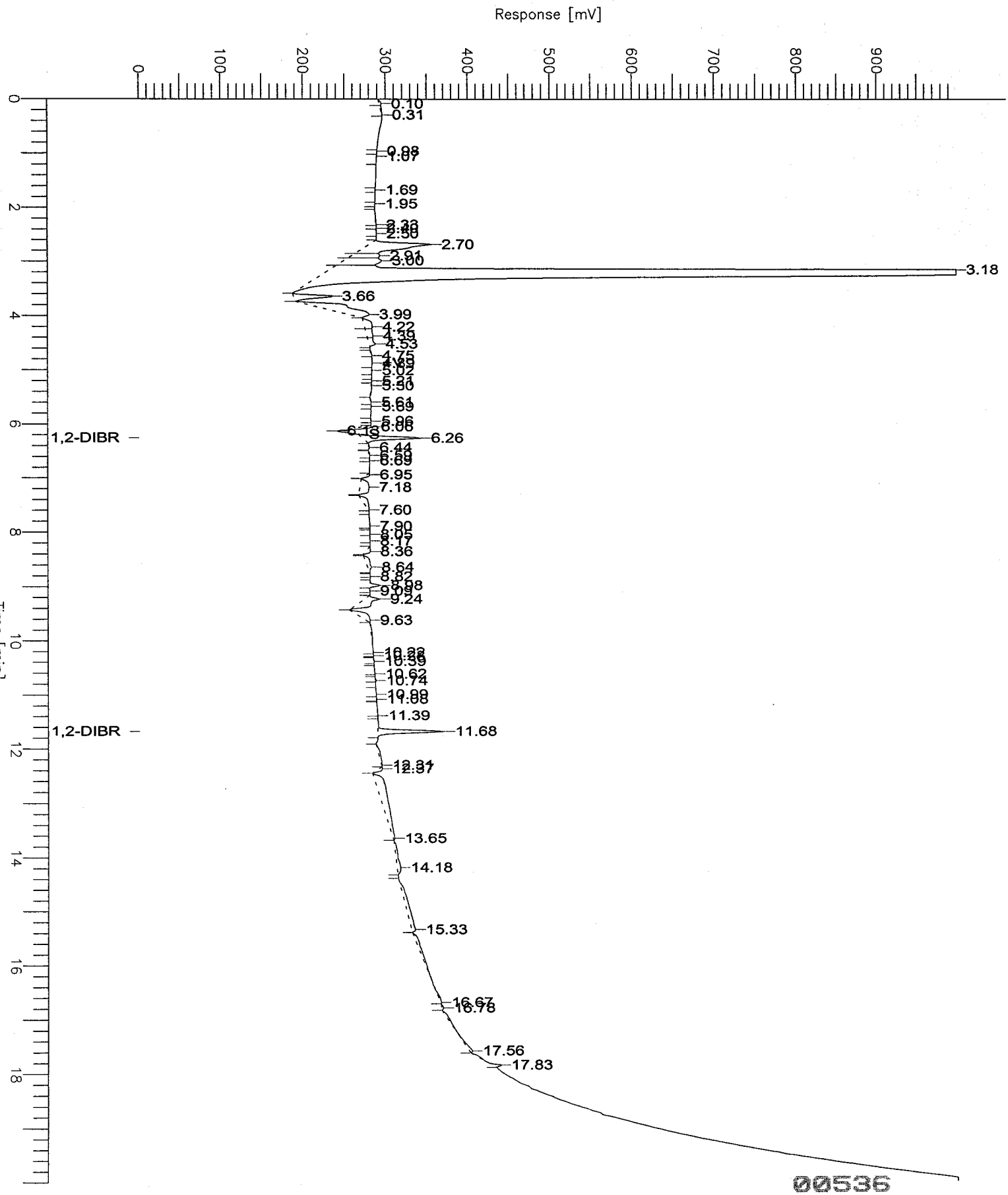
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

00535

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Aaug045.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 15:54
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00536

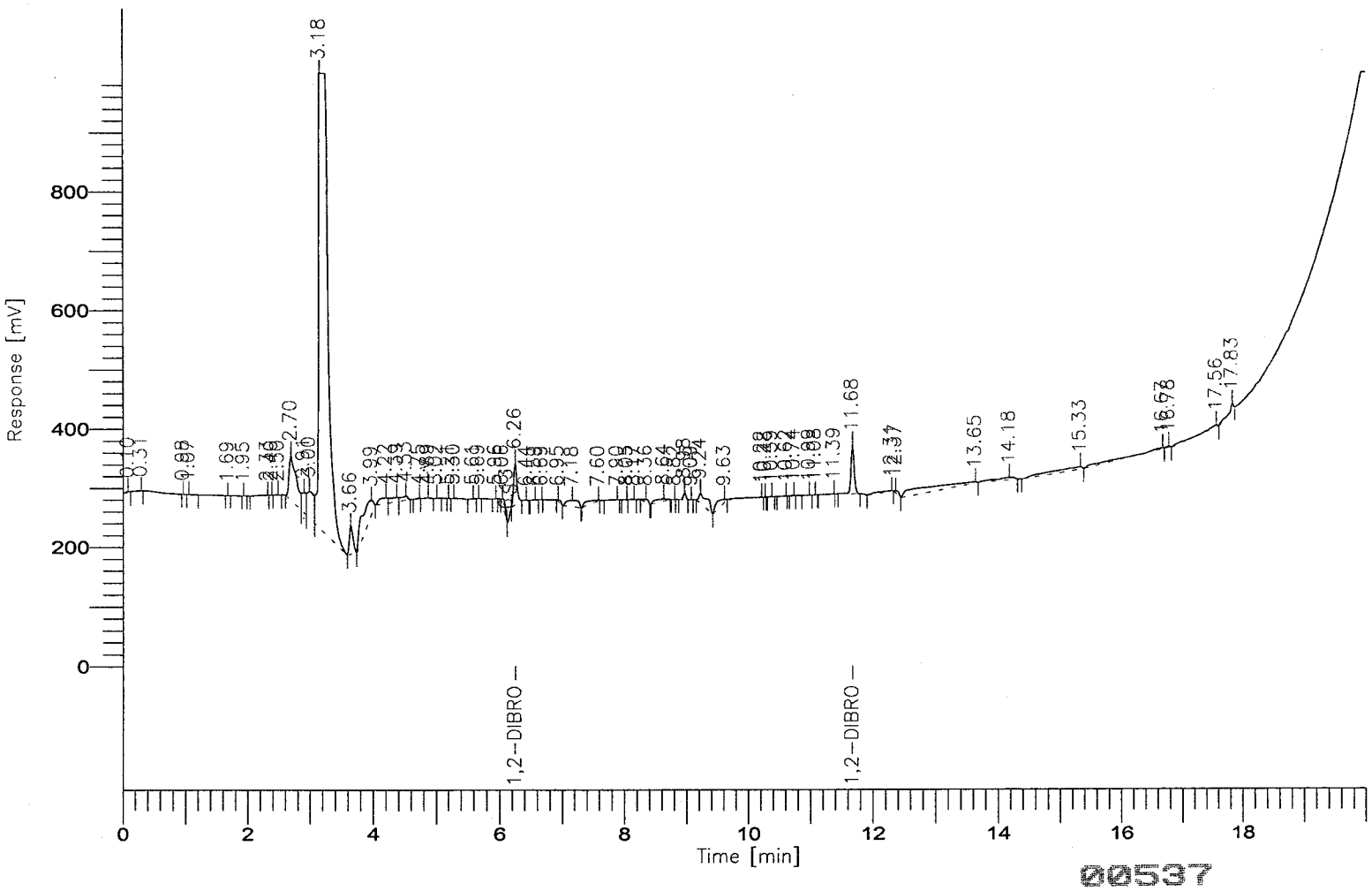
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 15:54
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG045.RAW
Result File : C:\TC4\158\AUG2012\AAUG045.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG045.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00537

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0064	72062.22	263657.00	35	2	0.36399
11.68	1,2-DIBROMO3CHLOROPR	0.0052	81816.70	287393.50	35	2	0.29979
			153878.92	551050.50			

Pass

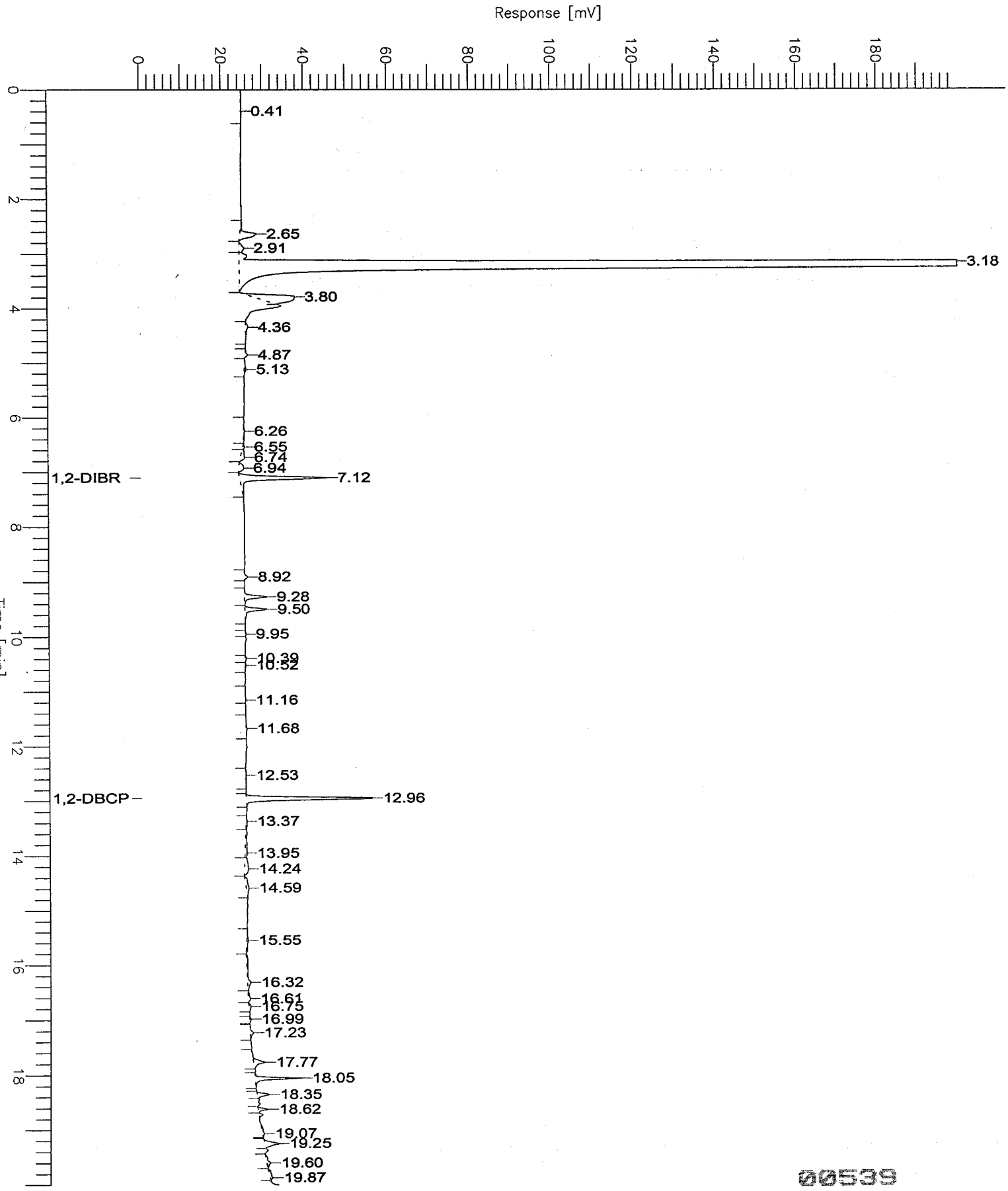
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG045.TX0

ASC 8/6/12

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Baug045.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:48
Time of Injection: 8/3/12 15:54
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00539

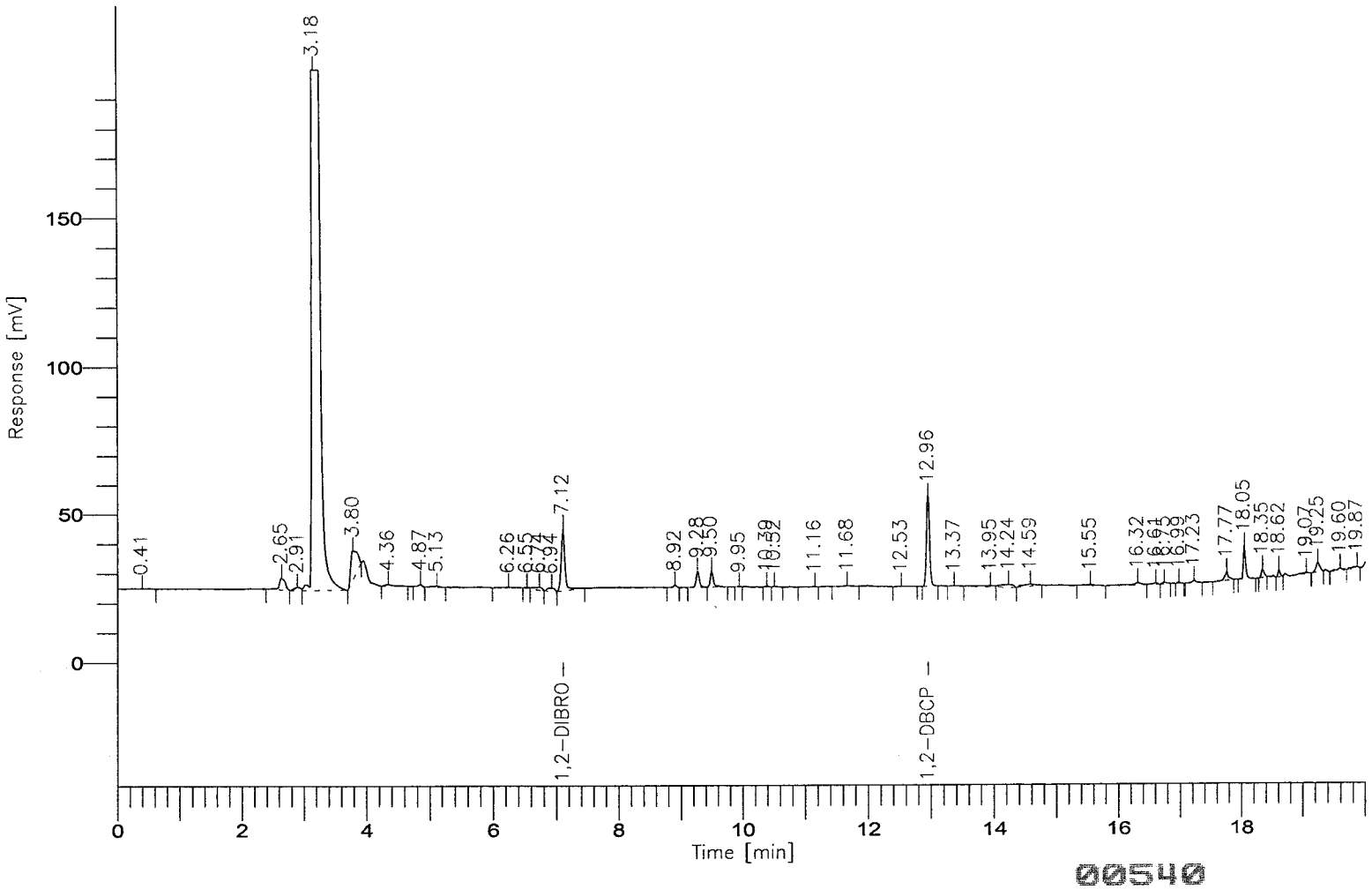
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/6/12 08:48
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 15:54
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG045.RAW
Result File : C:\TC4\158\AUG2012\BAUG045.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG045.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00540

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0060	21231.07	86802.00	35	2	0.34323
12.96	1,2-DBCP (2C)	0.0053	32162.26	108734.00	35	2	0.30456
			53393.34	195536.00			

Pass

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG045.TX0

ASC 8/6/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H06025-CCV2
Lab File ID: AAUG056-0
Injection Date: 08/03/12
Injection Time: 21:12
Calibration Date: 08/03/12 08:14
Calibration: 2H06011
Sequence: 2H06025
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00640	1.324421E+07	1.299693E+07		14.3	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

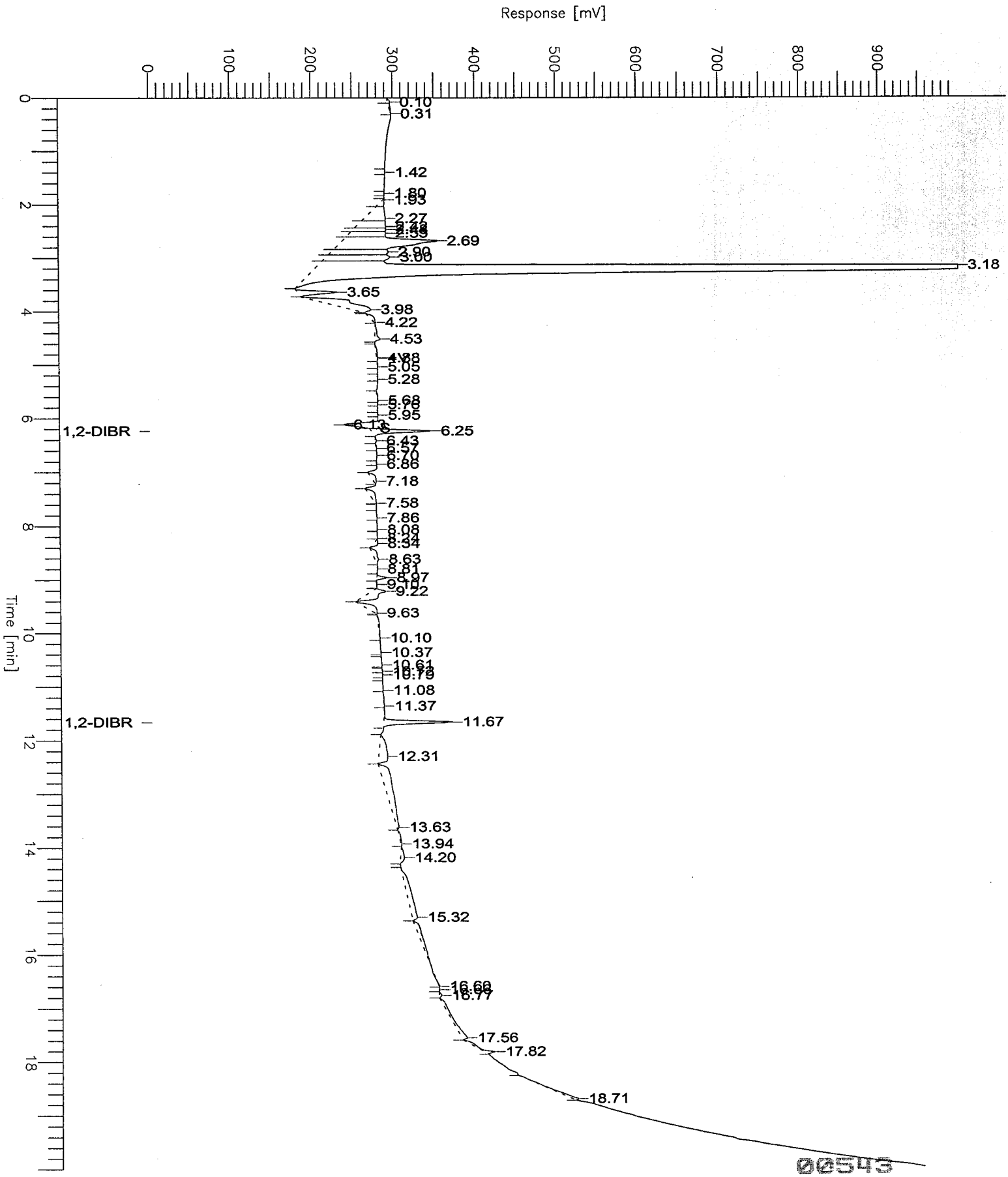
* Values outside of QC limits

00542

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Aaug056.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:49
Time of Injection: 8/3/12 21:12
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00543

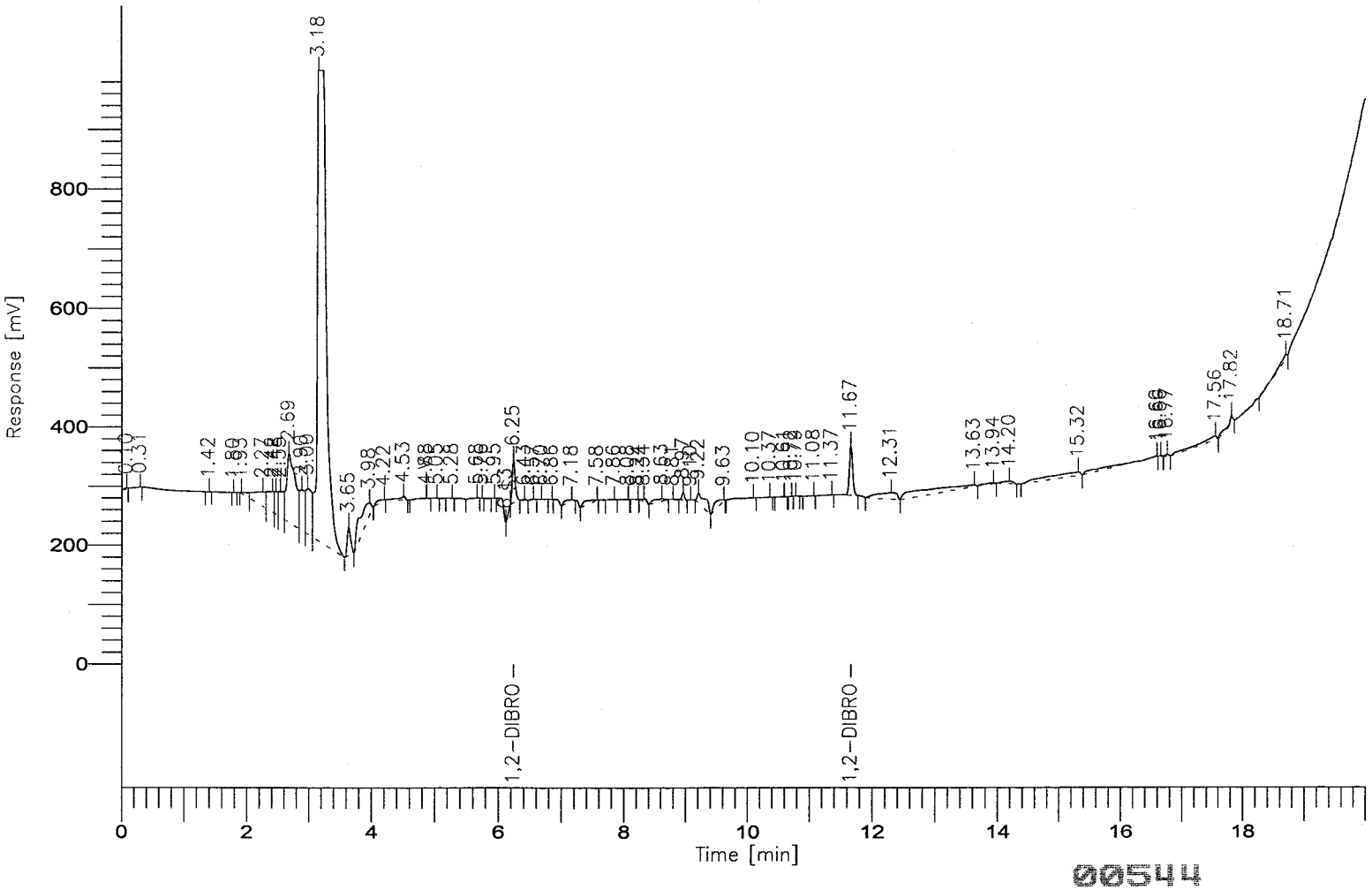
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/6/12 08:49
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 21:12
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG056.RAW
Result File : C:\TC4\158\AUG2012\AAUG056.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG056.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00544

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0064	72782.80	246627.00	35	2	0.36781
11.67	1,2-DIBROMO3CHLOROPR	0.0055	85420.95	304402.50	35	2	0.31300
			158203.75	551029.50			

Pass

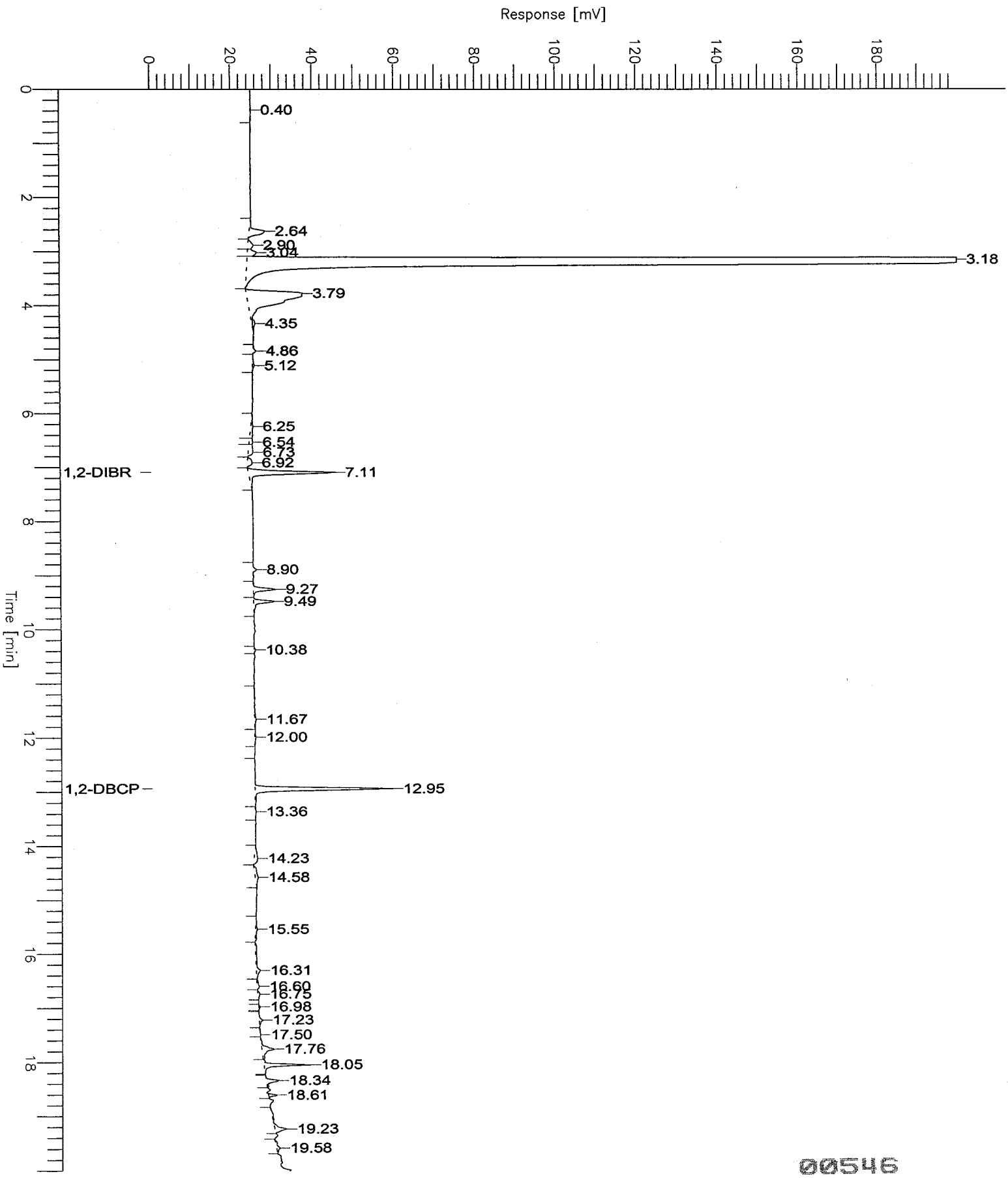
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG056.TX0

ASC 8/6/12

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Baug056.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:49
Time of Injection: 8/3/12 21:12
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00546

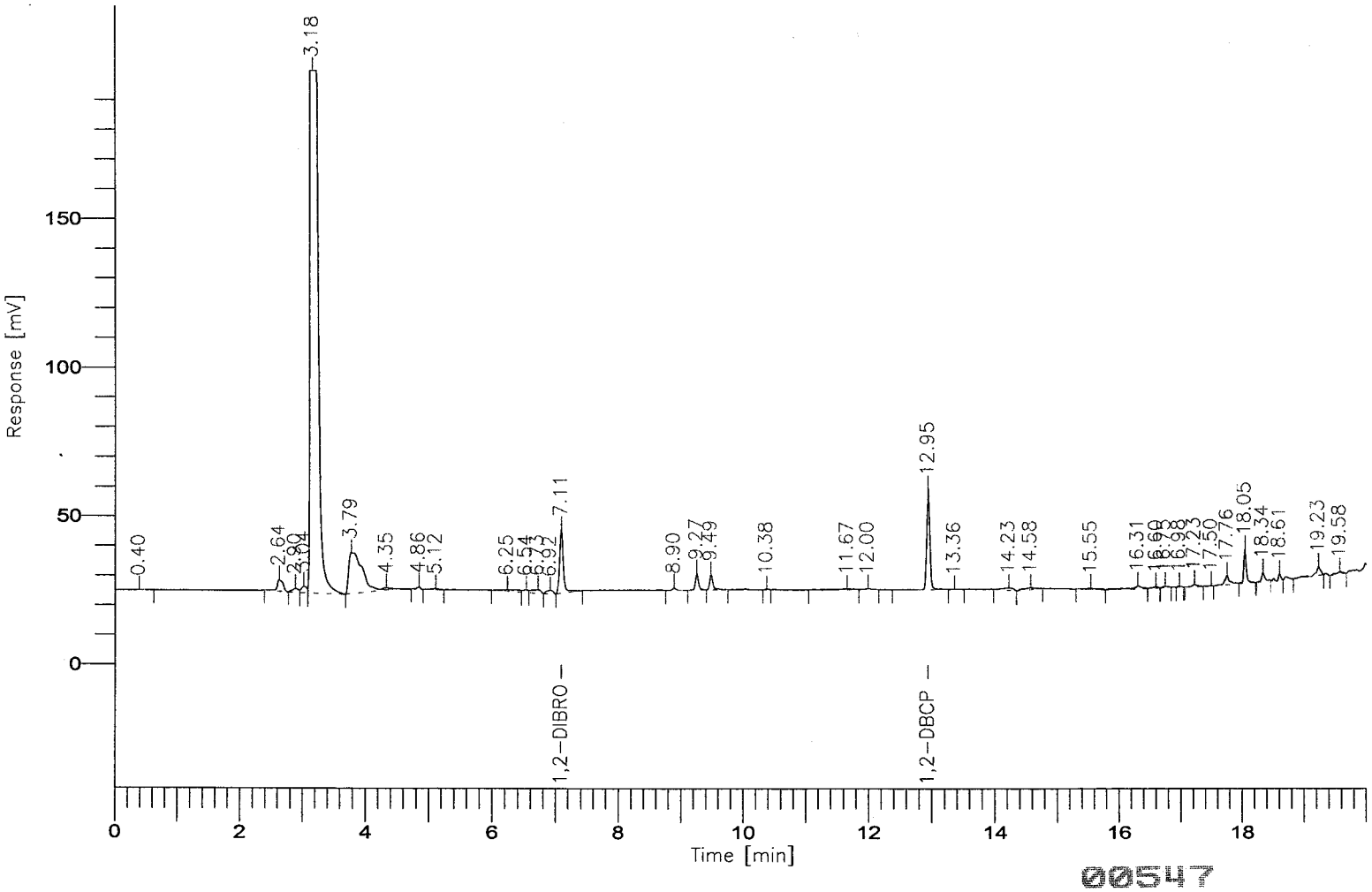
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/6/12 08:49
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 21:12
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG056.RAW
Result File : C:\TC4\158\AUG2012\BAUG056.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG056.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00547

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0062	21775.20	88615.50	35	2	0.35260
12.95	1,2-DBCP (2C)	0.0056	34004.89	117480.74	35	2	0.32201
			55780.08	206096.24			

Pass

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG056.TX0

ASC 8/6/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2H06039-CCV1
Injection Date: 08/06/12
Calibration Date: 08/03/12 08:14
Sequence: 2H06039

SDG: KNM070512
Project: KNM
Lab File ID: AAUG060-0
Injection Time: 10:13
Calibration: 2H06011
Instrument ID: 158

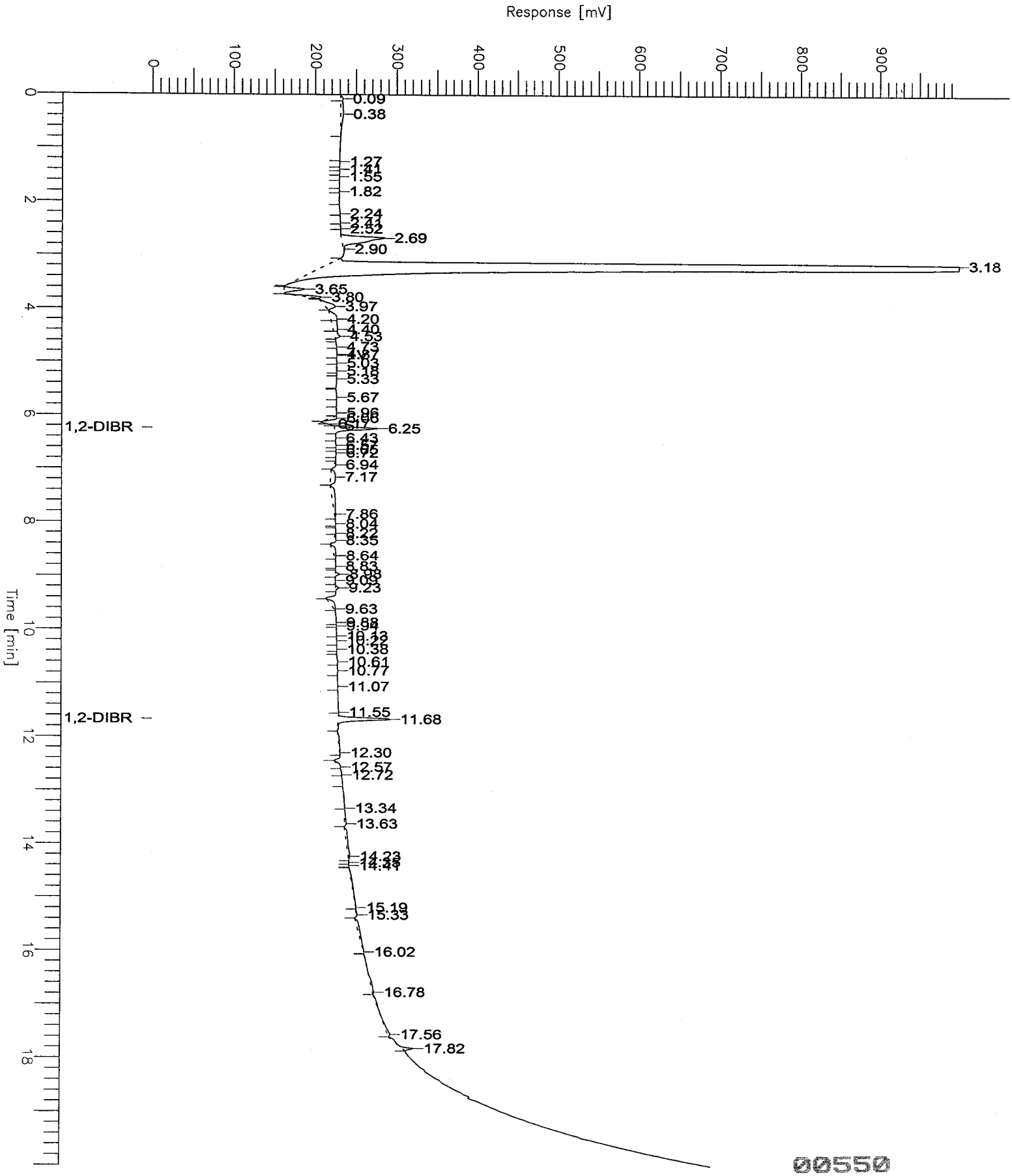
Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00470	1.324421E+07	9616216		-16.1	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Aaug060.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:24
Time of Injection: 8/6/12 10:13
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00550

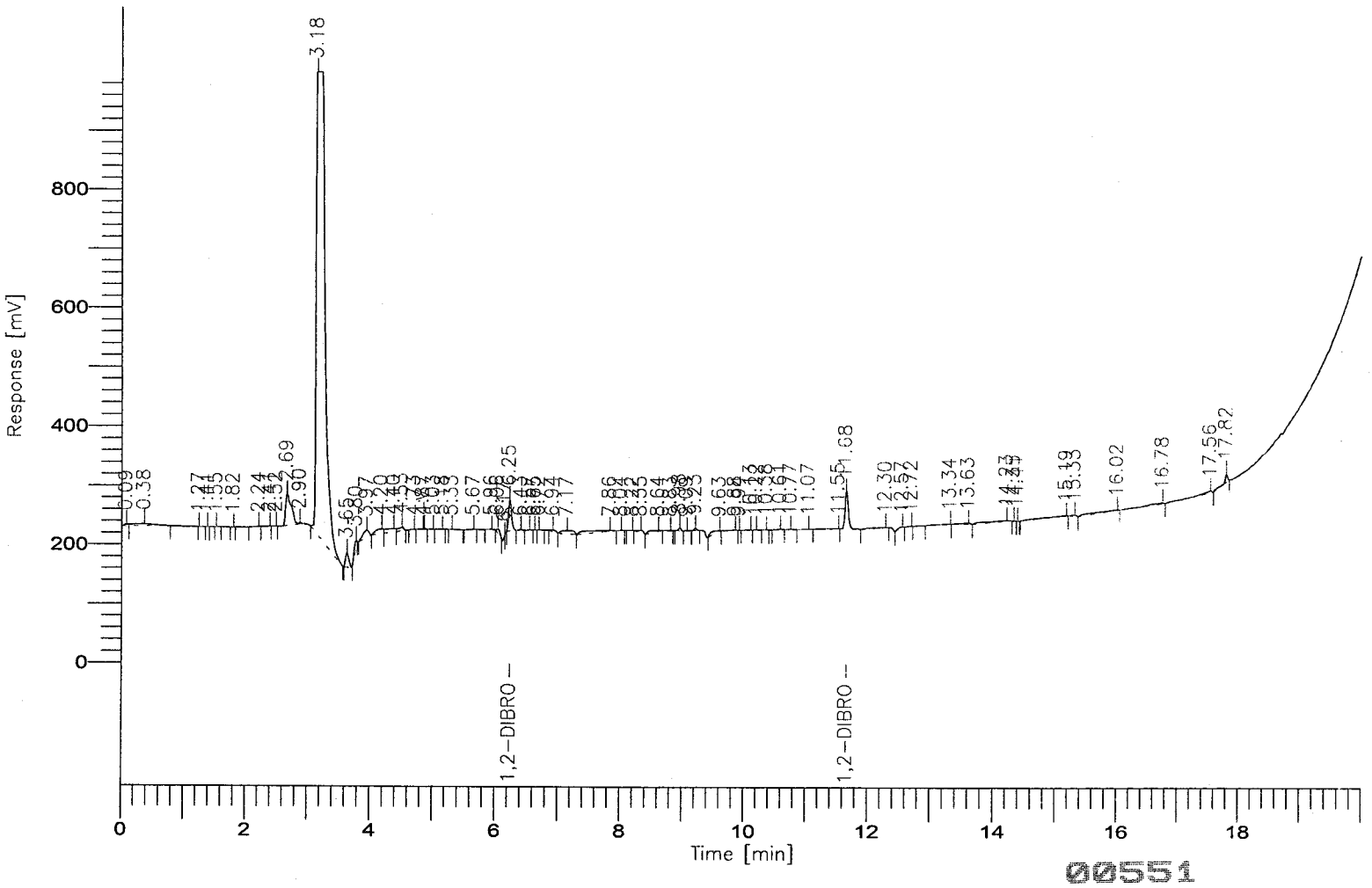
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/6/12 13:24
Sample Number: Study : 8011
Operator : ~~ASC~~ BJH 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 10:13
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG060.RAW
Result File : C:\TC4\158\AUG2012\AAUG060.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG060.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00551

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	0.0047	53850.81	177348.50	35	2	0.26734	Pass
11.68	1,2-DIBROMO3CHLOROPR	0.0042	65961.14	237636.00	35	2	0.24169	
			119811.94	414984.50				

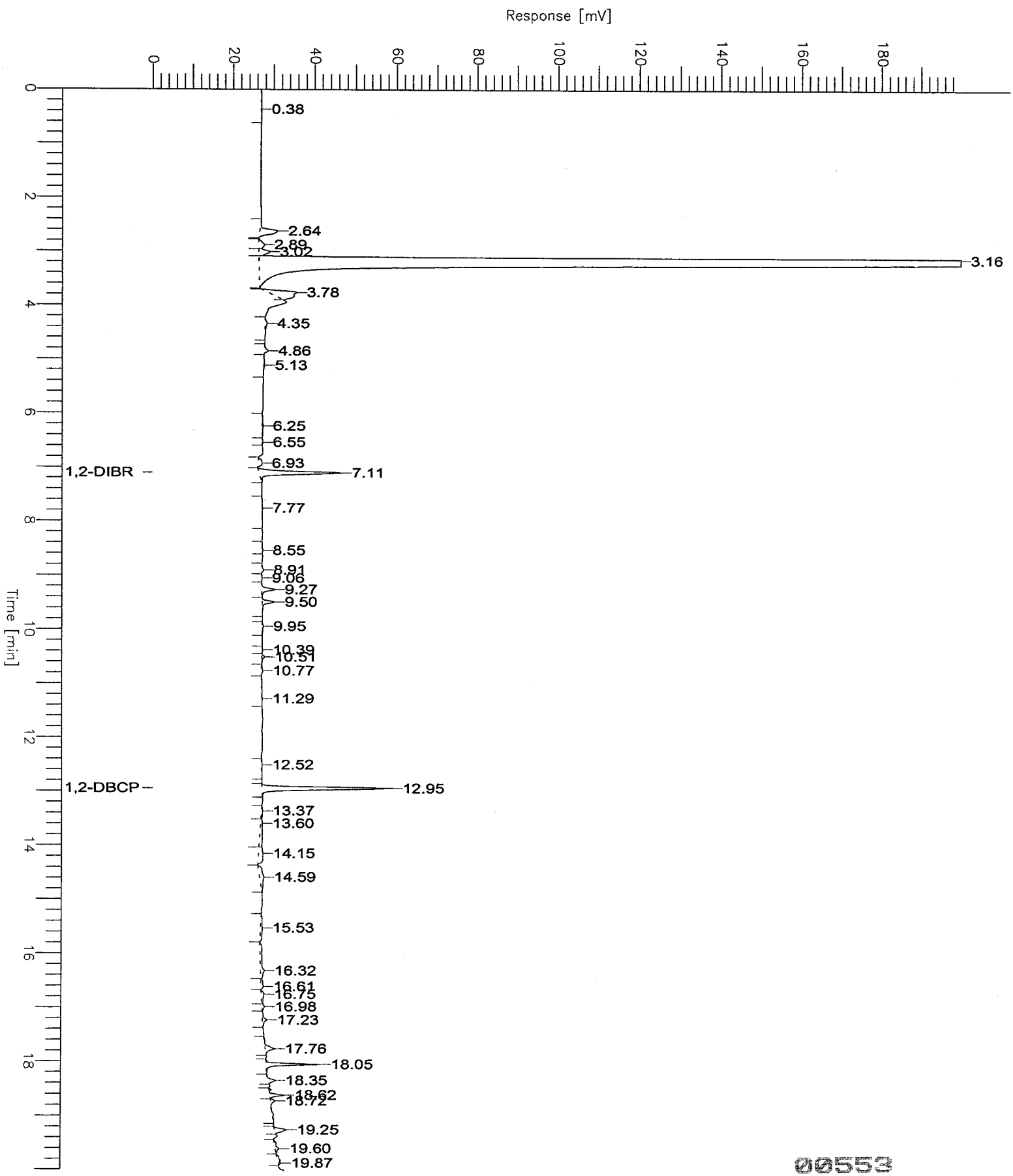
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG060.TX0

ASC 8/6/12

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Baug060.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:24
Time of Injection: 8/6/12 10:13
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00553

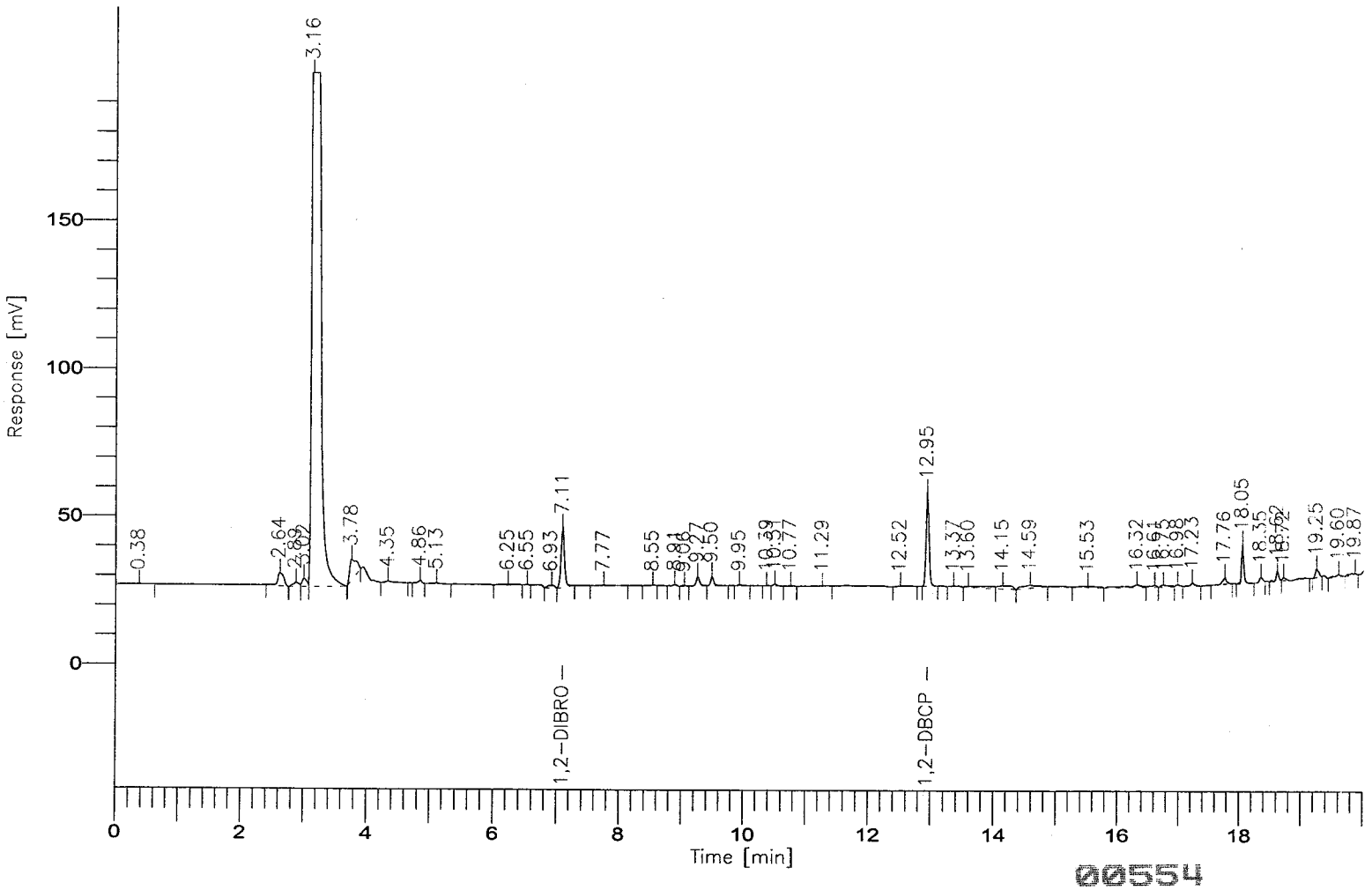
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/6/12 13:24
Sample Number: Study : 8011
Operator : ~~ABC~~ BGT 8/6/12

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 10:13
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG060.RAW
Result File : C:\TC4\158\AUG2012\BAUG060.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG060.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00554

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0058	20595.05	78966.00	35	2	0.33229	Pass
12.95	1,2-DBCP (2C)	0.0053	32005.75	105593.00	35	2	0.30308	
			52600.80	184559.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG060.TX0

ASC 8/6/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H06039-CCV2
Lab File ID: AAUG065-0
Injection Date: 08/06/12
Injection Time: 12:34
Calibration Date: 08/03/12 08:14
Calibration: 2H06011
Sequence: 2H06039
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00500	1.324421E+07	1.030138E+07		-10.7	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

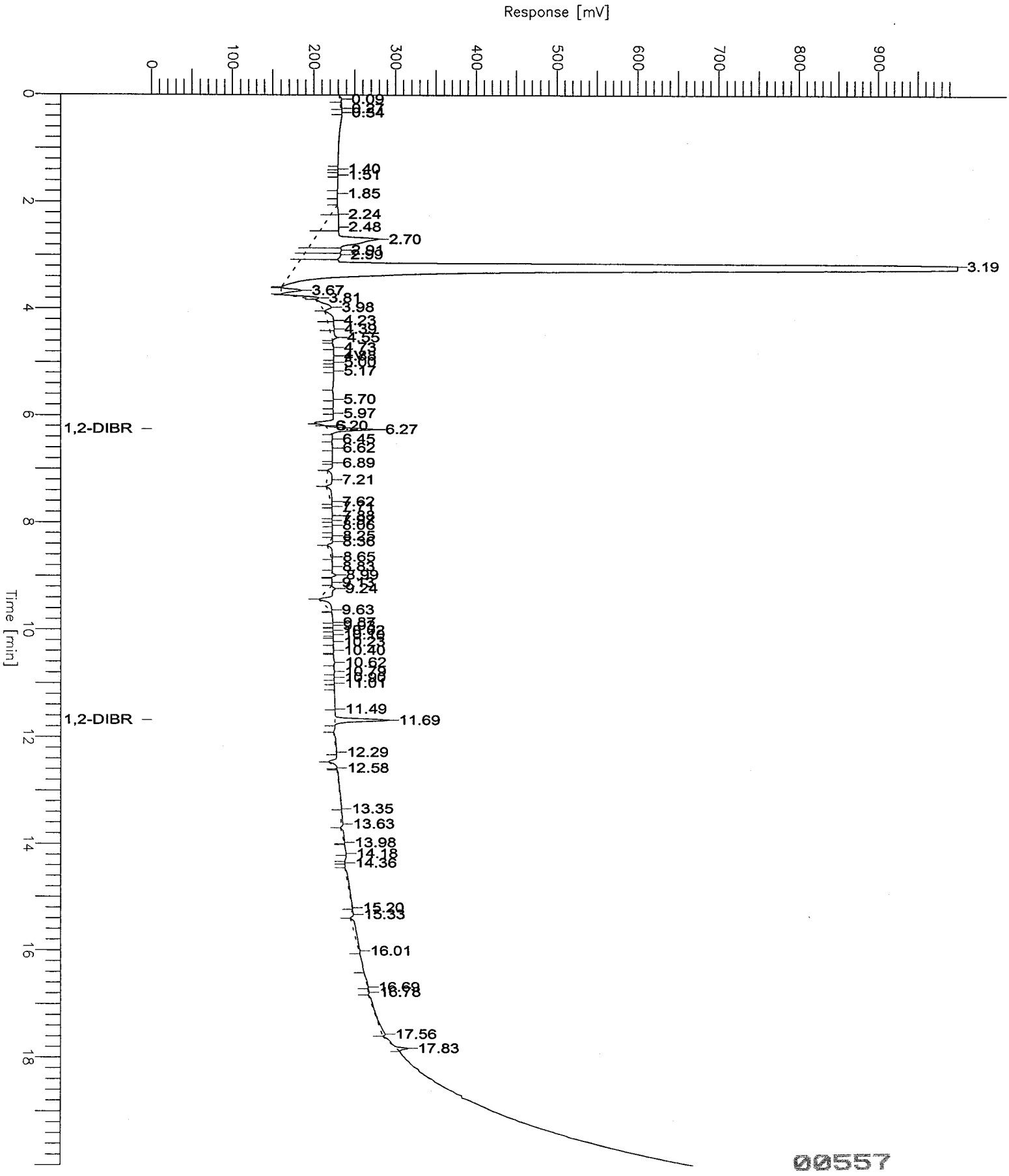
* Values outside of QC limits

00556

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Aaug065.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:25
Time of Injection: 8/6/12 12:34
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00557

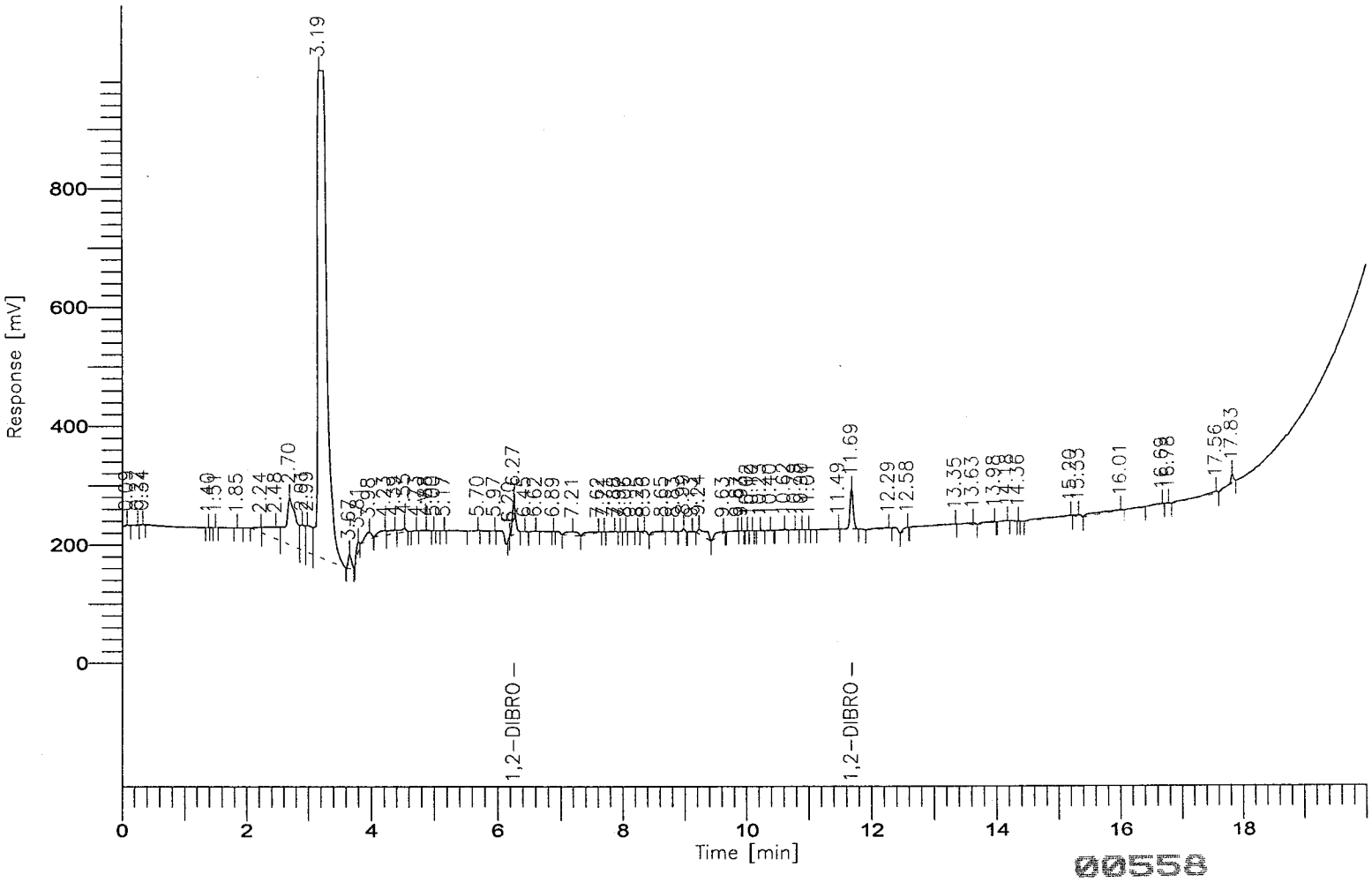
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/6/12 13:25
Sample Number: Study : 8011
Operator : ~~ASC~~ BJH 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 12:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG065.RAW
Result File : C:\TC4\158\AUG2012\AAUG065.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG065.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00558

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.27	1,2-DIBROMOETHANE	0.0050	57687.75	205903.00	35	2	0.28771
11.69	1,2-DIBROMO3CHLOROPR	0.0044	68188.02	235916.00	35	2	0.24985
			125875.78	441819.00			

Pass

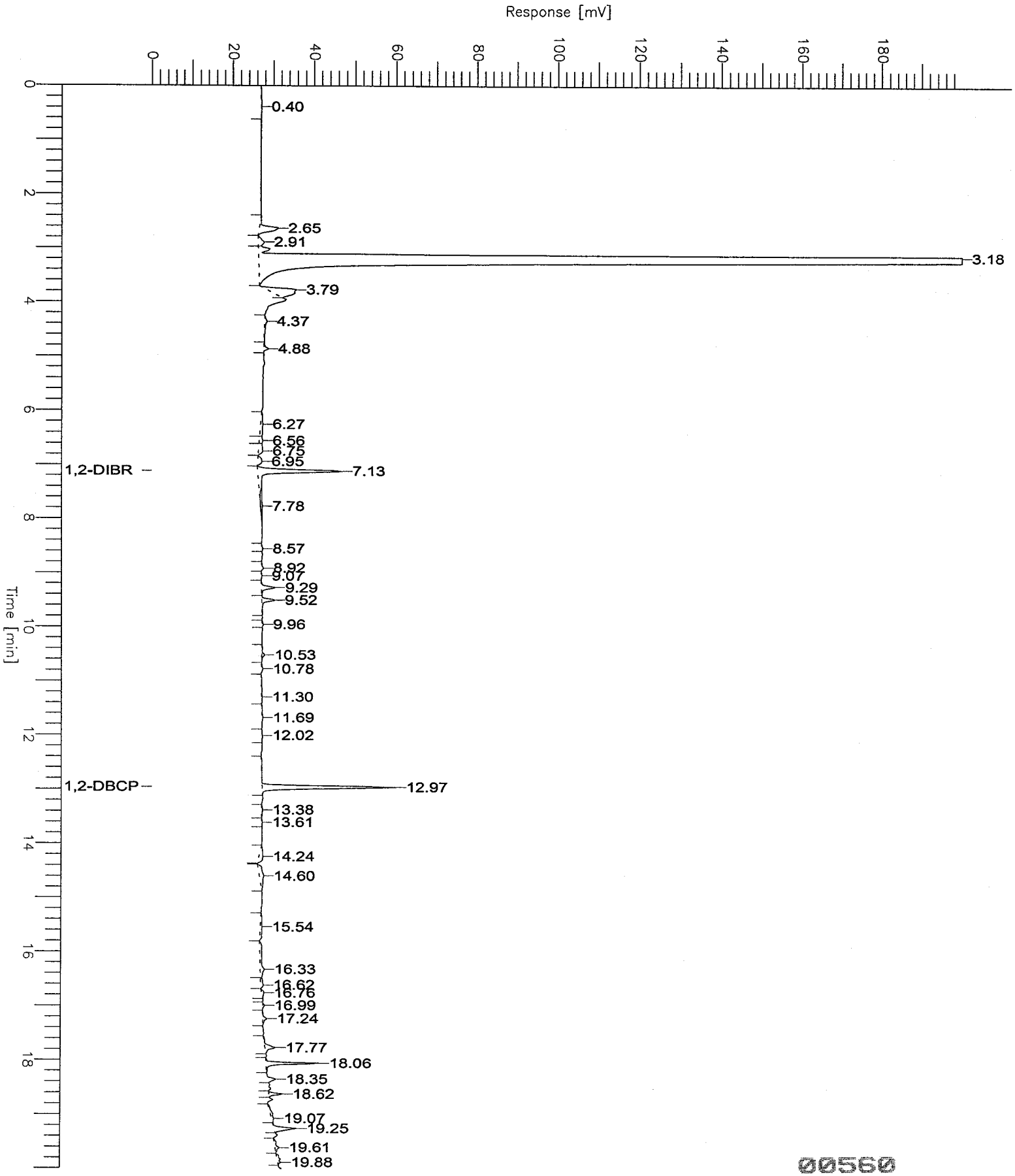
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG065.TX0

ASC 8/6/12

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Baug065.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:25
Time of Injection: 8/6/12 12:34
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00560

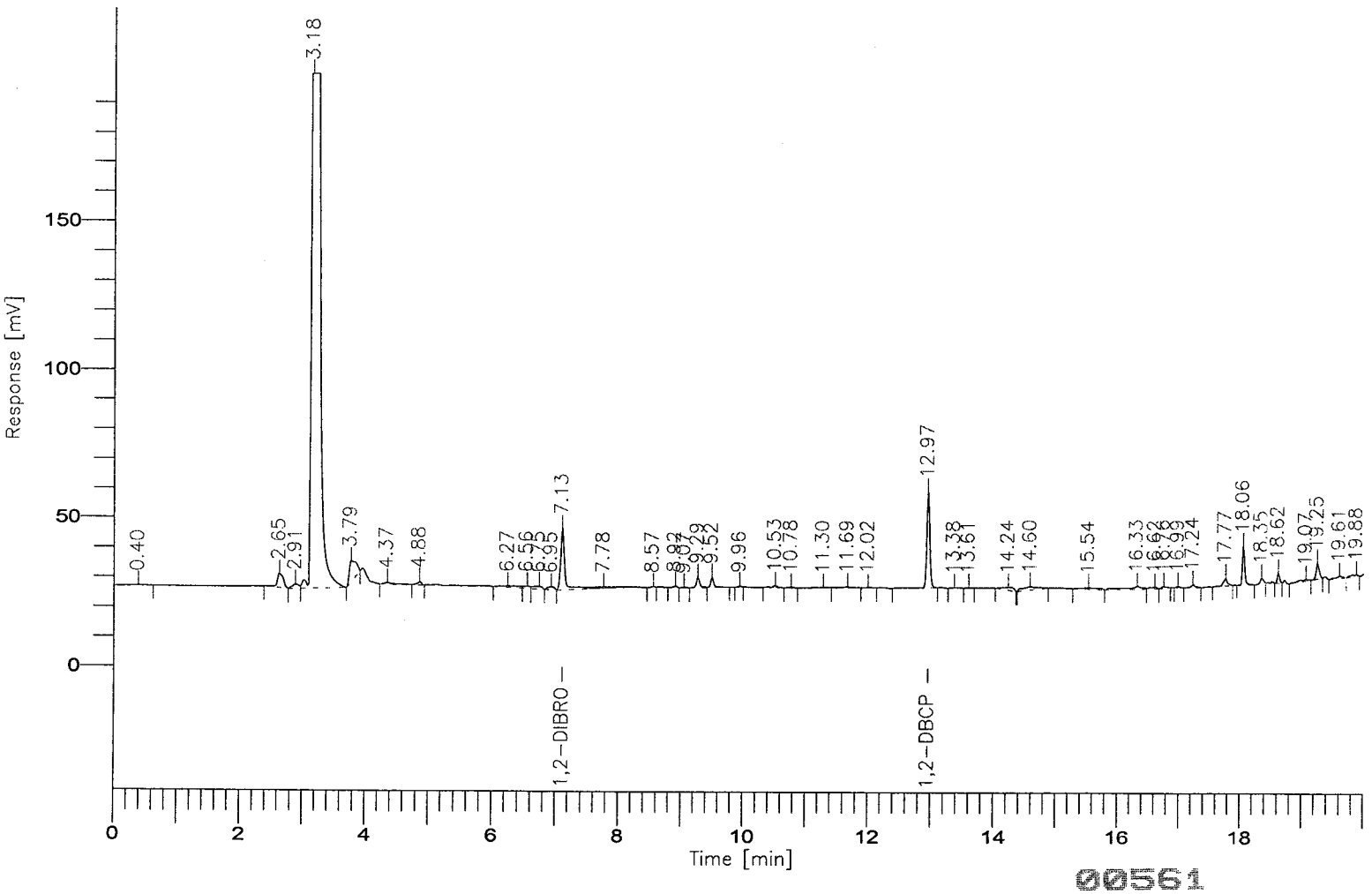
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/6/12 13:25
Sample Number: Study : 8011
Operator : ~~ASC~~ BSJ+ 8/6/12

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 12:34
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG065.RAW
Result File : C:\TC4\158\AUG2012\BAUG065.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG065.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00561

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.13	1,2-DIBROMOETHANE (2	0.0060	21171.32	95602.00	35	2	0.34221	Pass
12.97	1,2-DBCP (2C)	0.0054	32681.62	109367.50	35	2	0.30948	
			53852.94	204969.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG065.TX0

ASC 8/6/12

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2H17033-CCV1
Injection Date: 08/16/12
Calibration Date: 08/16/12 08:16
Sequence: 2H17033

SDG: KNM070512
Project: KNM
Lab File ID: AAUG233-0
Injection Time: 19:16
Calibration: 2H17010
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00470	1.513133E+07	1.057056E+07		-16.1	40

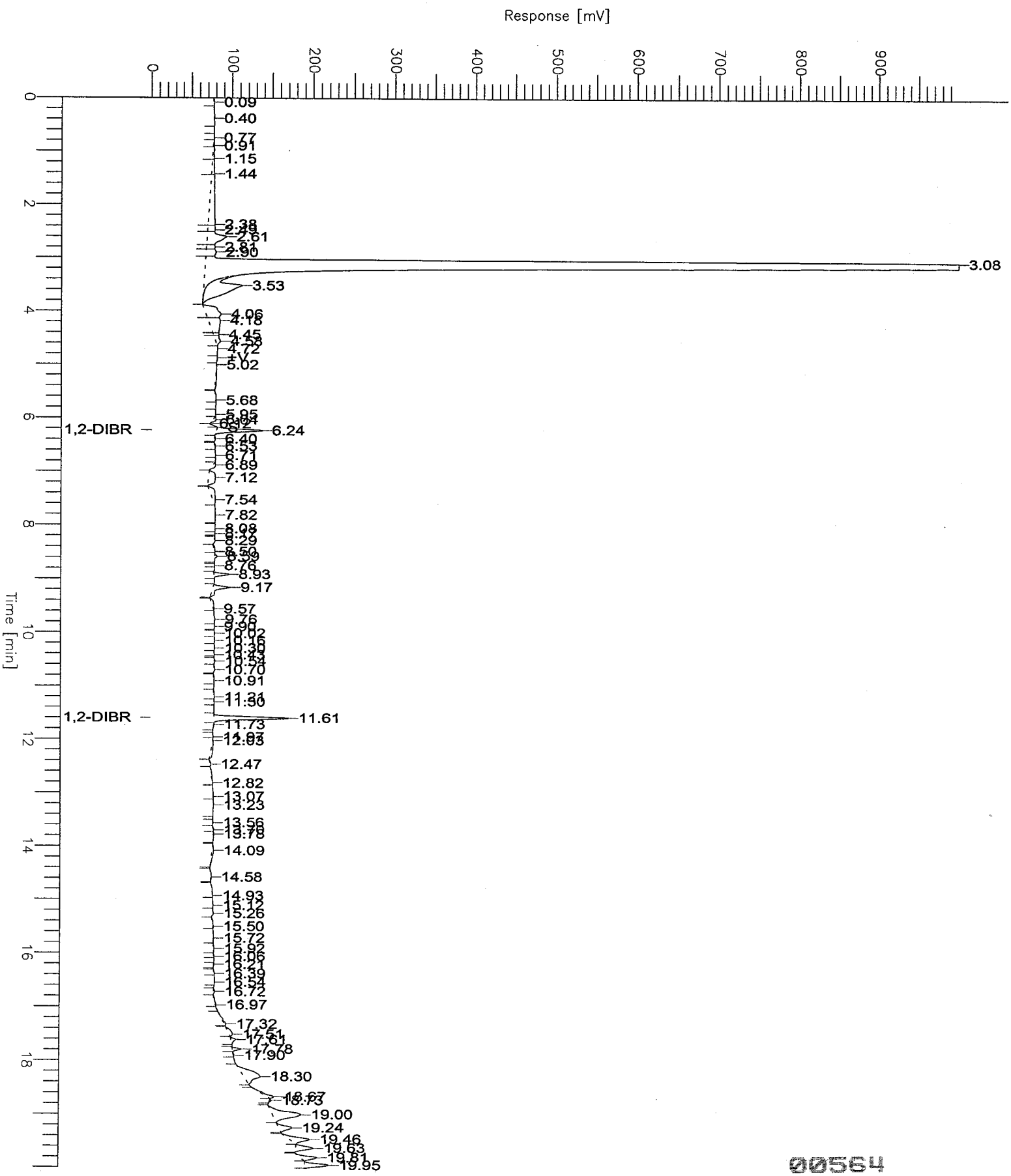
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

00563

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Aaug233.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 19:16
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00564

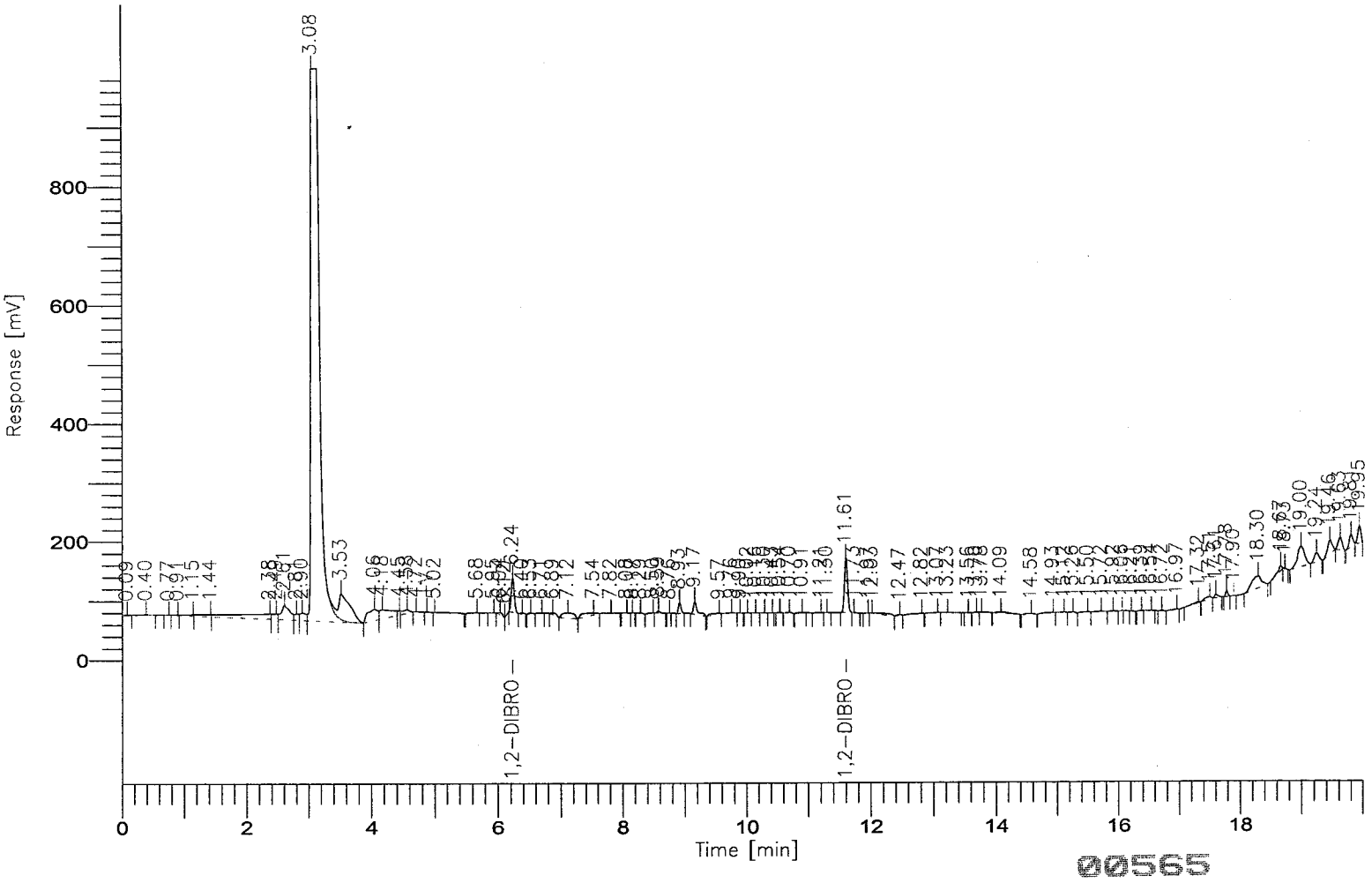
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG233.RAW
Result File : C:\TC4\158\AUG2012\AAUG233.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG233.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00565

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.24	1,2-DIBROMOETHANE	0.0047	59195.16	198018.00	35	2	0.26928
11.61	1,2-DIBROMO3CHLOROPR	0.0046	96789.50	326602.50	35	2	0.26358
			155984.67	524620.50			

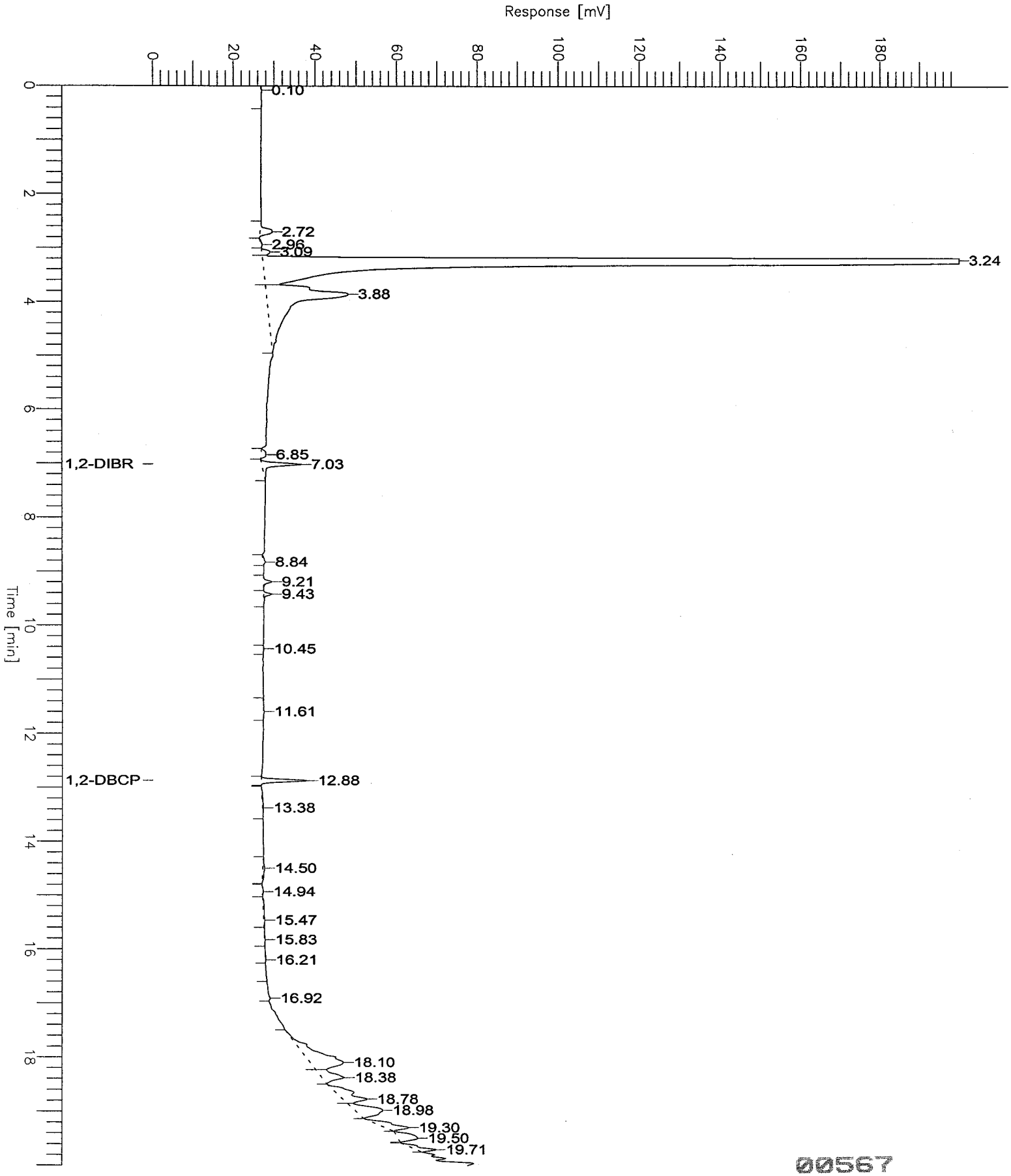
Pass ↓

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG233.TX0

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Baug233.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:14
Time of Injection: 8/16/12 19:16
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00567

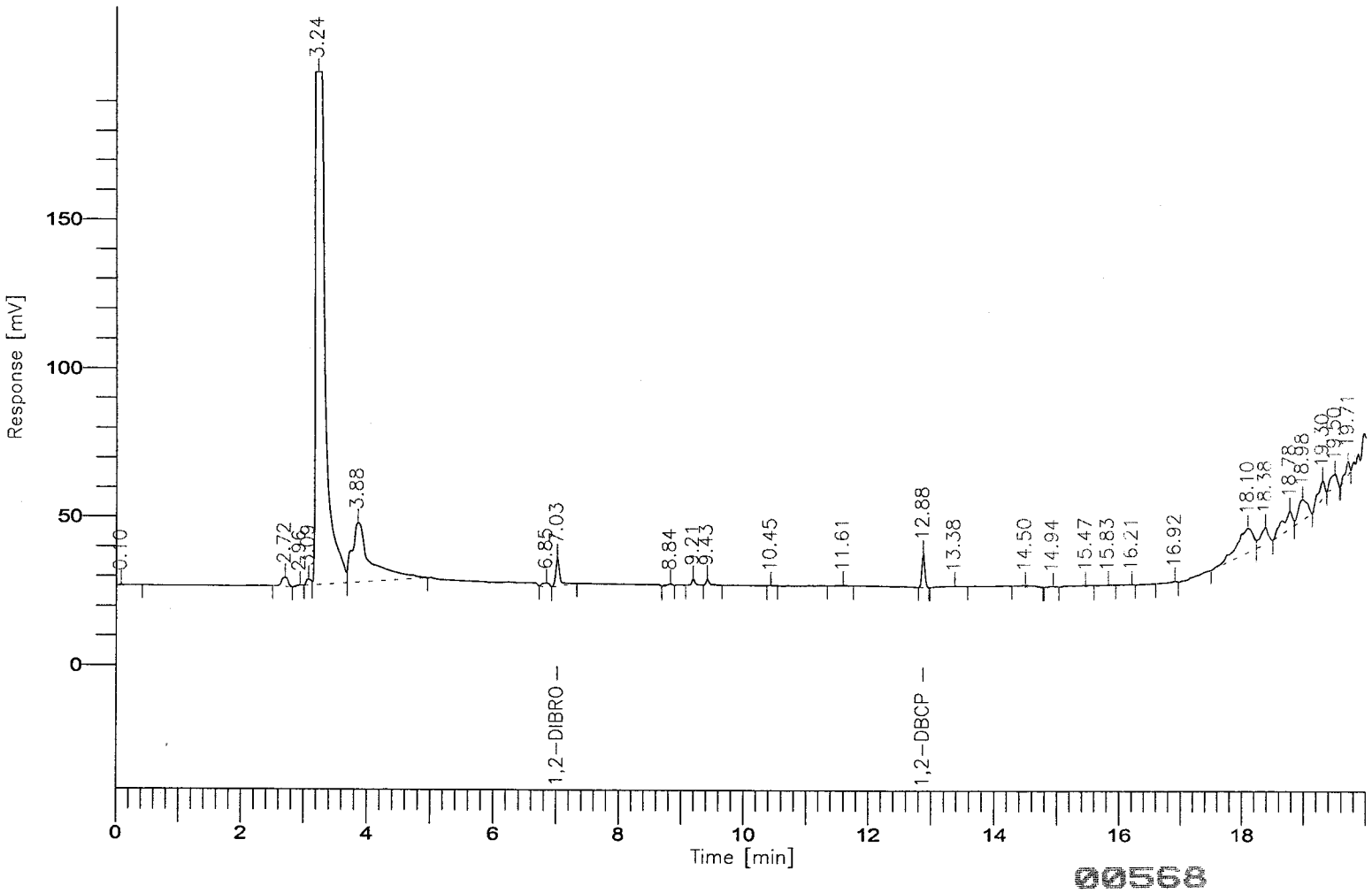
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/17/12 08:14
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG233.RAW
Result File : C:\TC4\158\AUG2012\BAUG233.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG233.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00568

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.03	1,2-DIBROMOETHANE (2	0.0049	9754.39	44066.00	35	2	0.28226	Pass
12.88	1,2-DBCP (2C)	0.0045	11529.81	37226.00	35	2	0.25836	↓
			21284.20	81292.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG233.TX0

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H17033-CCV2
Lab File ID: AAUG237-0
Injection Date: 08/16/12
Injection Time: 21:10
Calibration Date: 08/16/12 08:16
Calibration: 2H17010
Sequence: 2H17033
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00460	1.513133E+07	1.042009E+07		-17.9	40

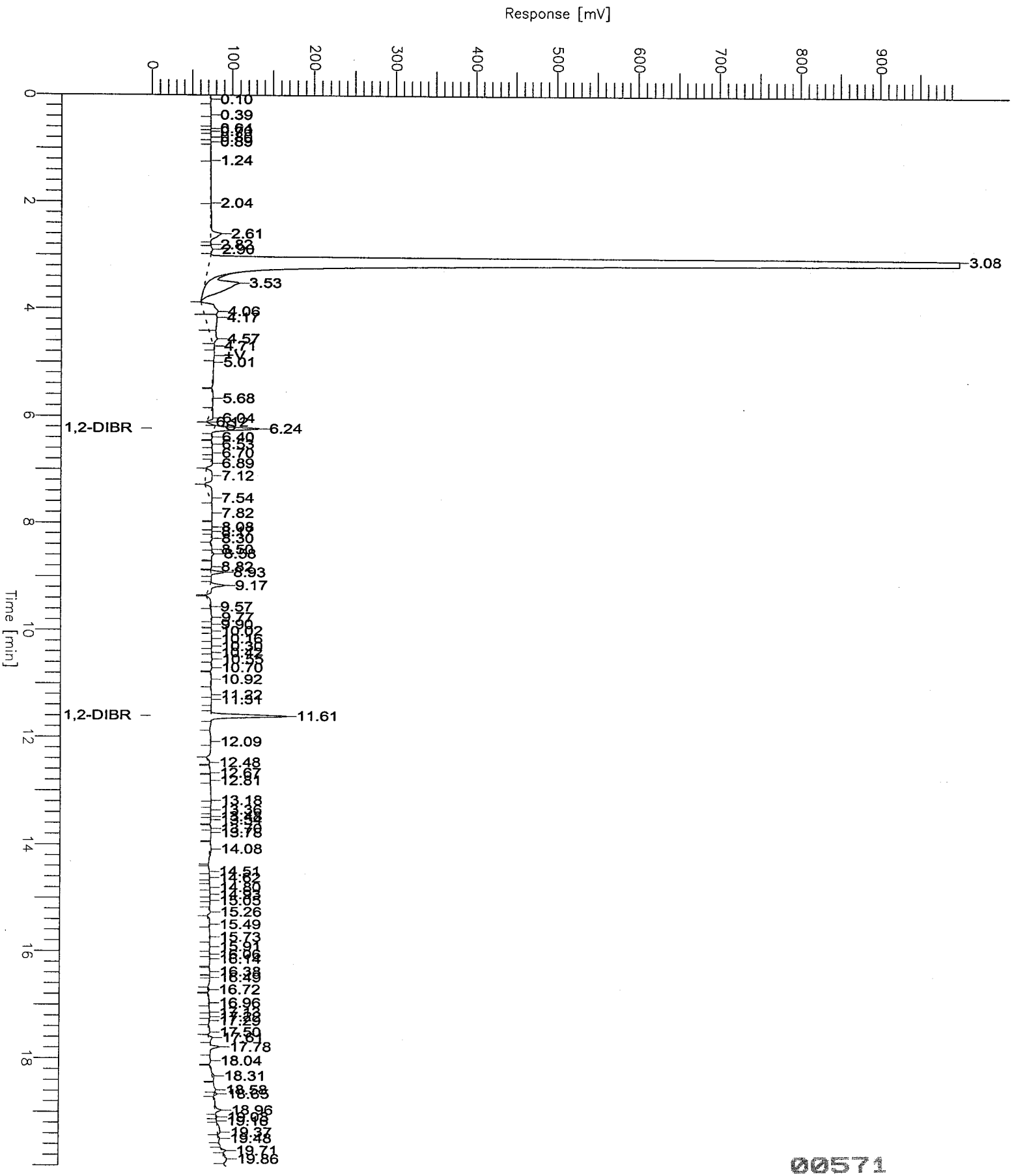
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk
* Values outside of QC limits

00570

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Aaug237.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:15
Time of Injection: 8/16/12 21:10
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00571

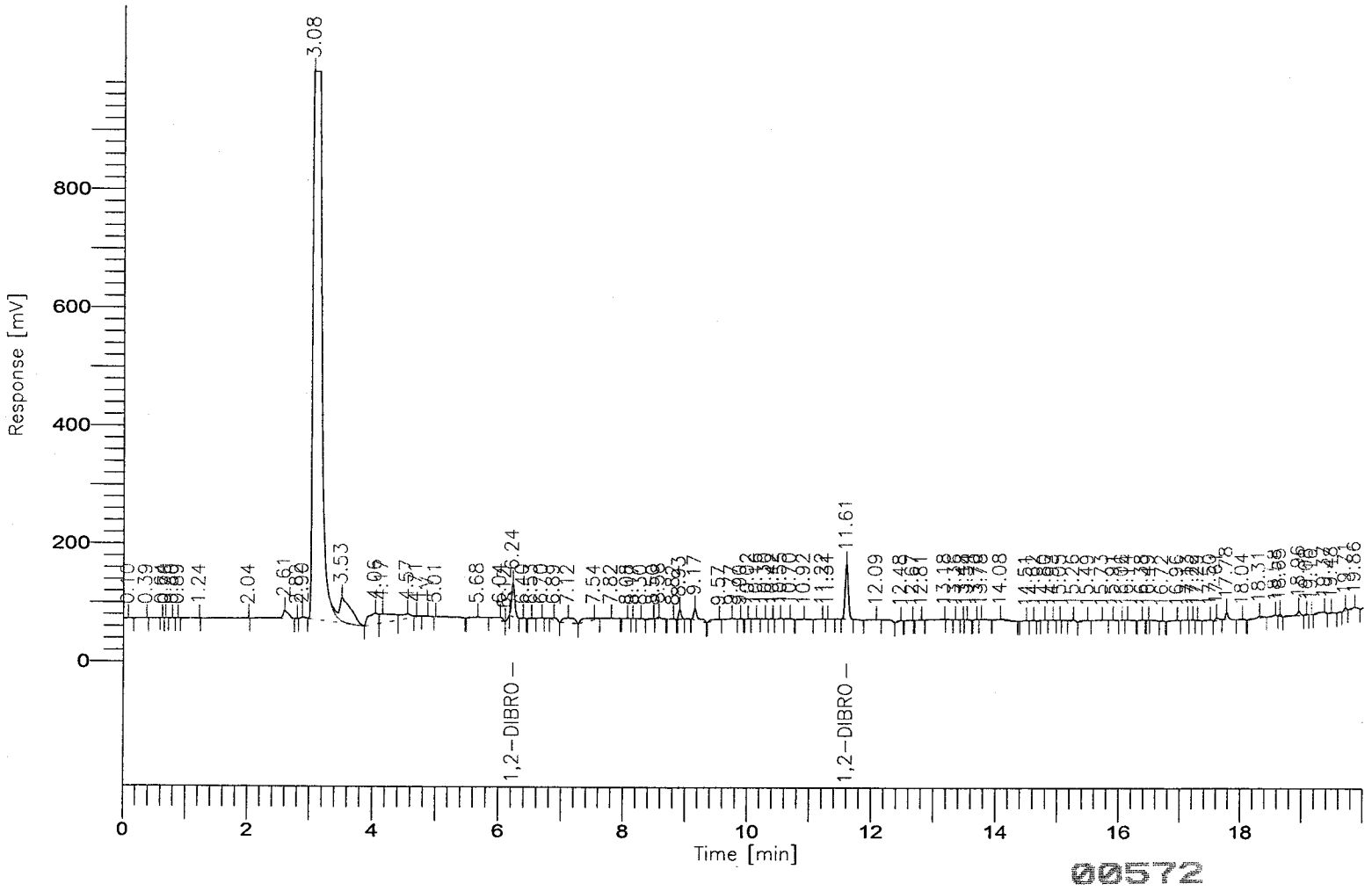
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/17/12 08:15
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 21:10
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG237.RAW
Result File : C:\TC4\158\AUG2012\AAUG237.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG237.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00572

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

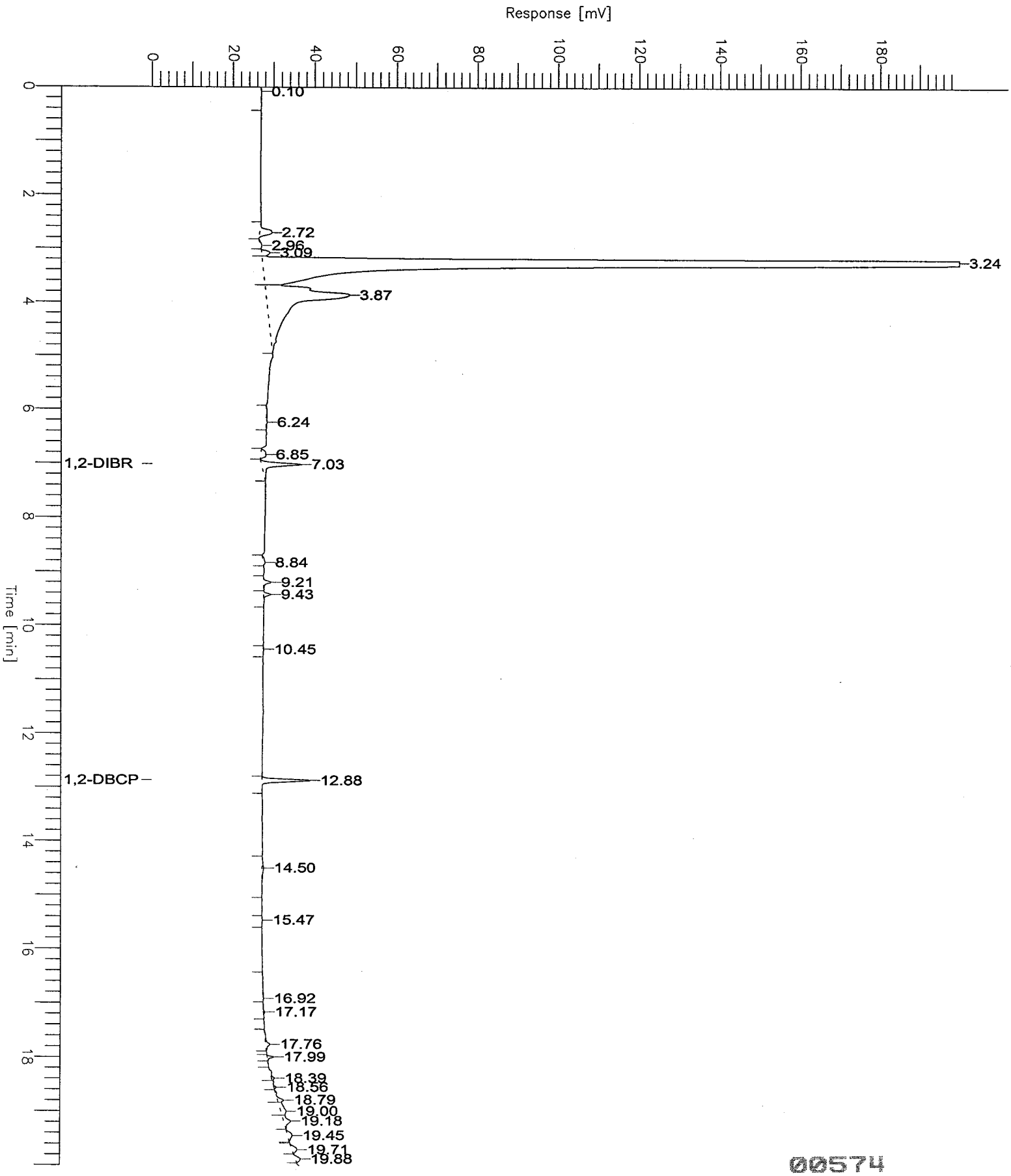
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.24	1,2-DIBROMOETHANE	0.0046	58352.53	193157.00	35	2	0.26510	Pass ↓
11.61	1,2-DIBROMO3CHLOROPR	0.0046	97062.30	331173.00	35	2	0.26438	
			155414.83	524330.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG237.TX0

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Baug237.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:15
Time of Injection: 8/16/12 21:10
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00574

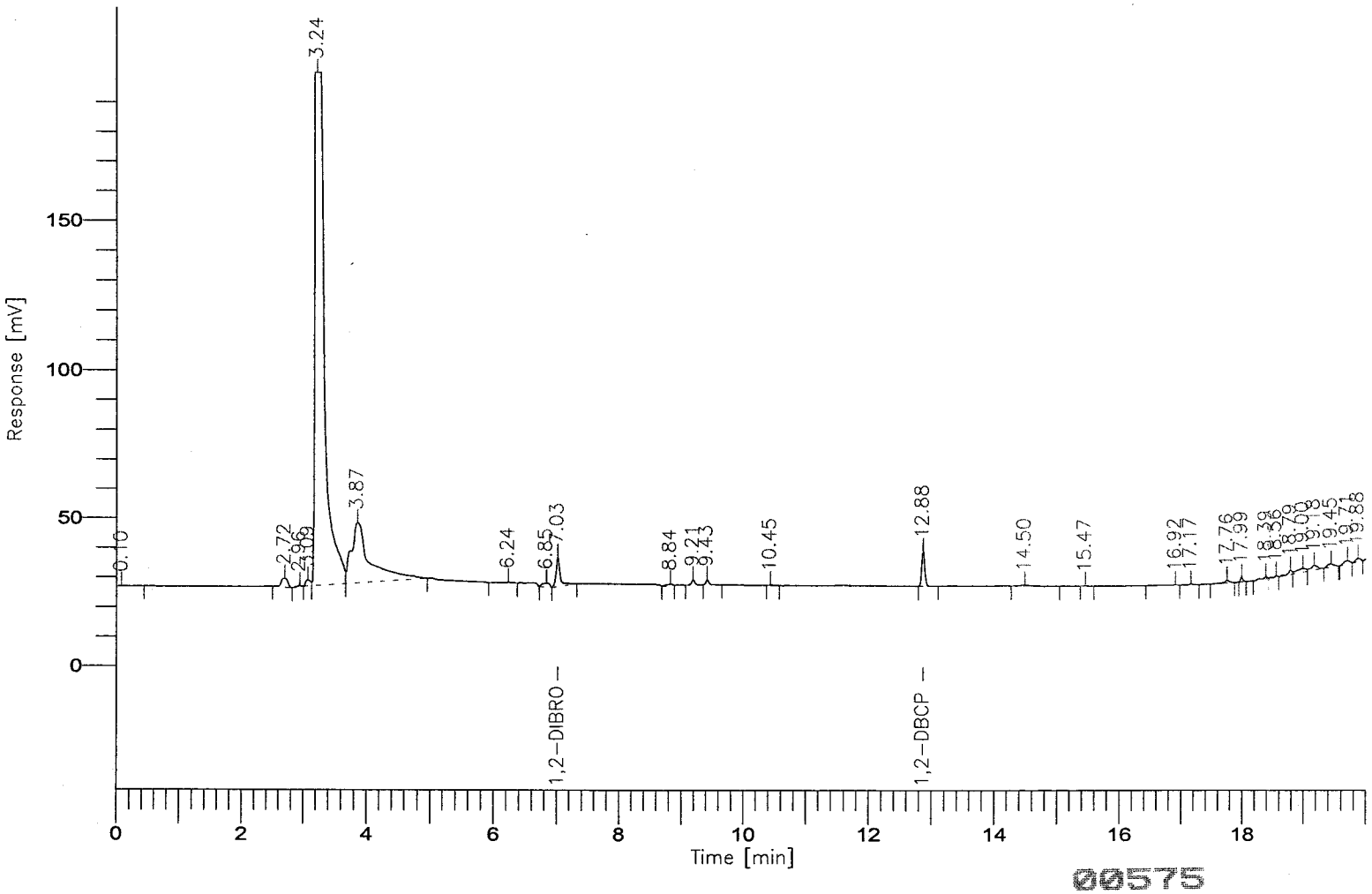
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/17/12 08:15
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 21:10
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG237.RAW
Result File : C:\TC4\158\AUG2012\BAUG237.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG237.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00575

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.03	1,2-DIBROMOETHANE (2	0.0051	10009.91	45573.00	35	2	0.29040
12.88	1,2-DBCP (2C)	0.0048	12147.28	39917.50	35	2	0.27207
			22157.19	85490.50			

Pass ↓

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG237.TX0

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H17035-CCV1
Lab File ID: AAUG240-0
Injection Date: 08/17/12
Injection Time: 09:16
Calibration Date: 08/16/12 08:16
Calibration: 2H17010
Sequence: 2H17035
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00520	1.513133E+07	1.161929E+07		-7.1	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

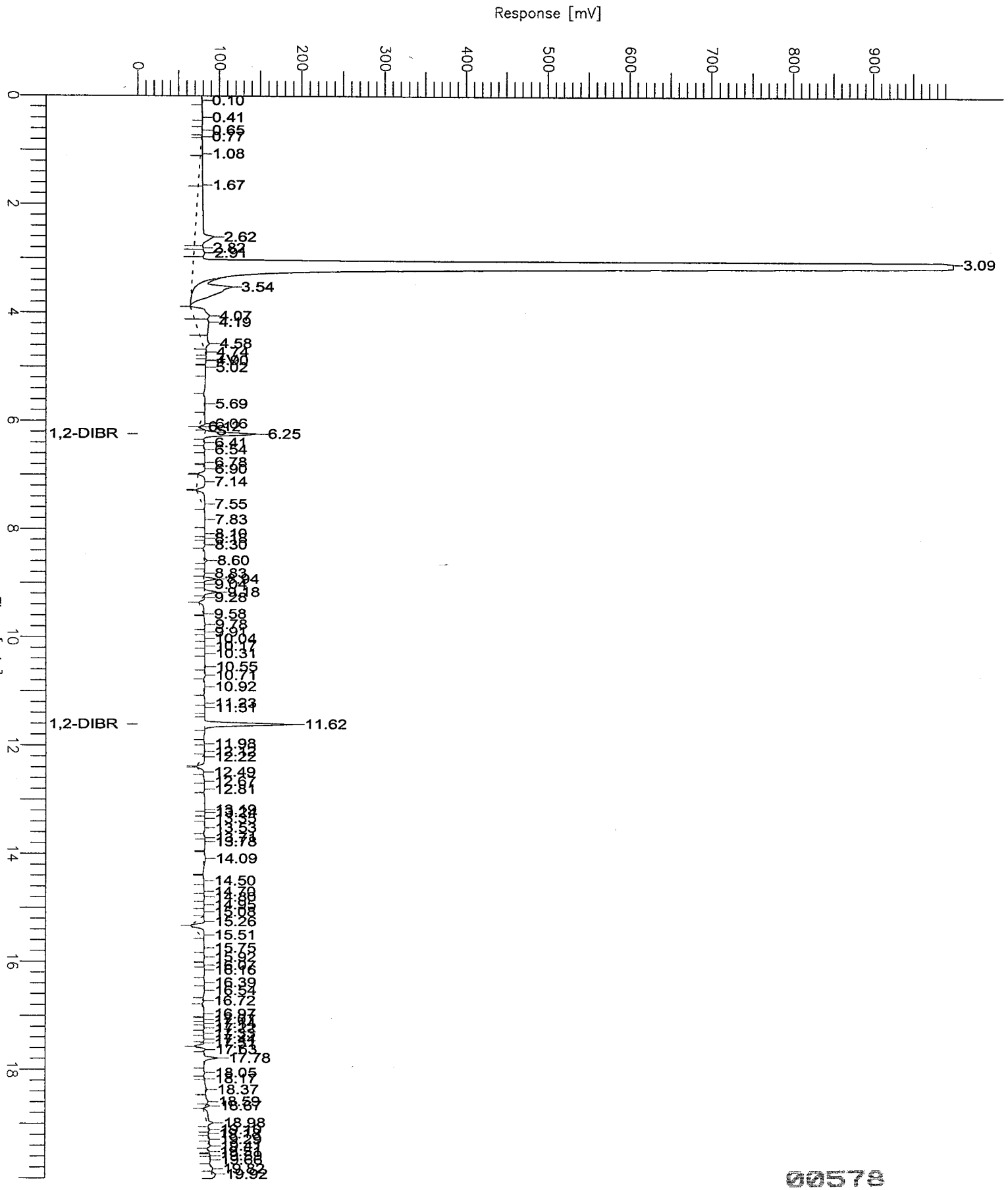
* Values outside of QC limits

00577

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Aaug240.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 09:16
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00578

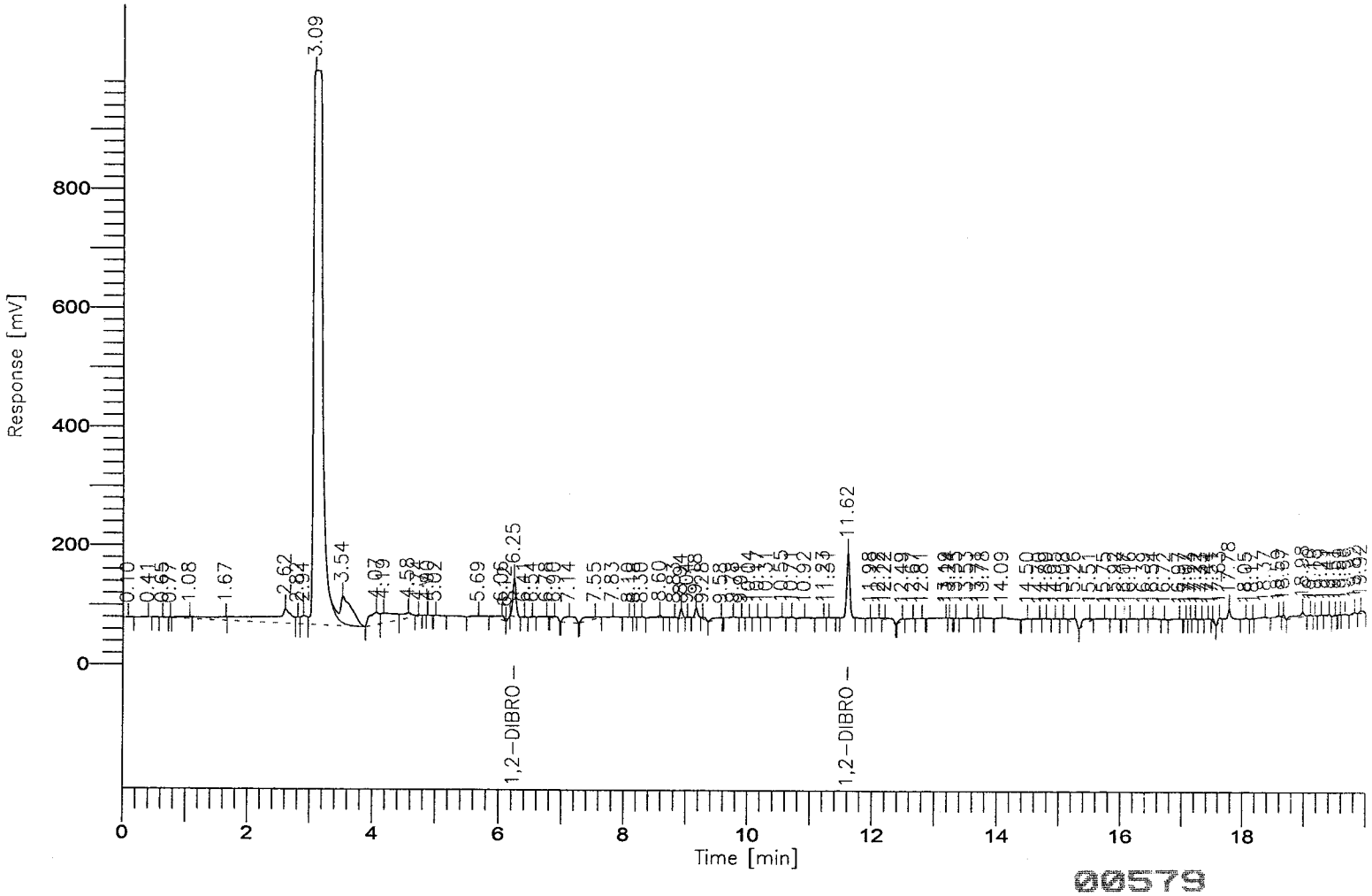
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/17/12 11:24
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 09:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG240.RAW
Result File : C:\TC4\158\AUG2012\AAUG240.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\AAUG240.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00579

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

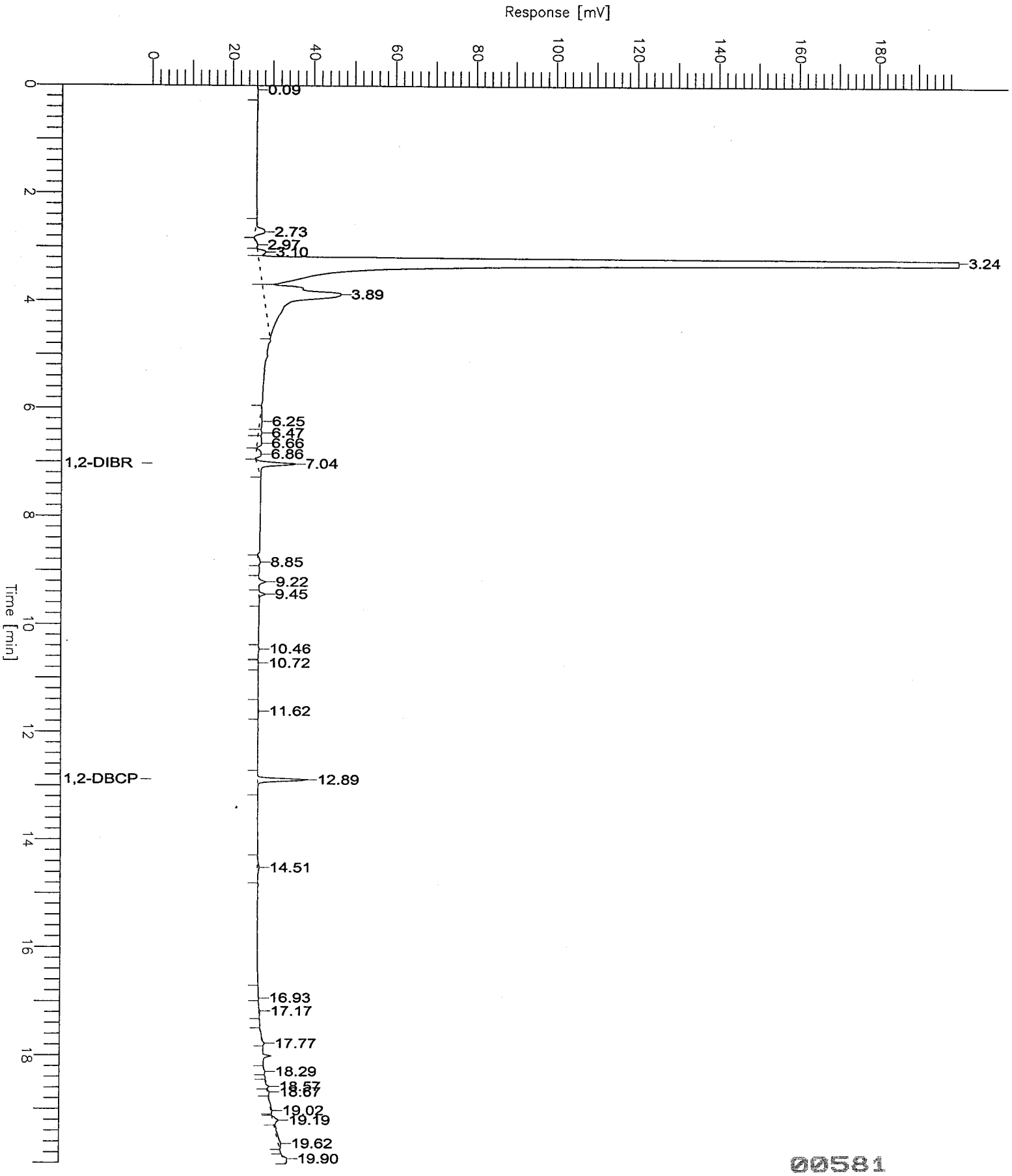
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	0.0052	65068.05	223281.00	35	2	0.29836	Pass
11.62	1,2-DIBROMO3CHLOROPR	0.0053	109340.50	367382.00	35	2	0.30038	↓
			174408.54	590663.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG240.TX0

Chromatogram

Sample Name : CCV1
FileName : C:\TC4\158\AUG2012\Baug240.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 09:16
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00581

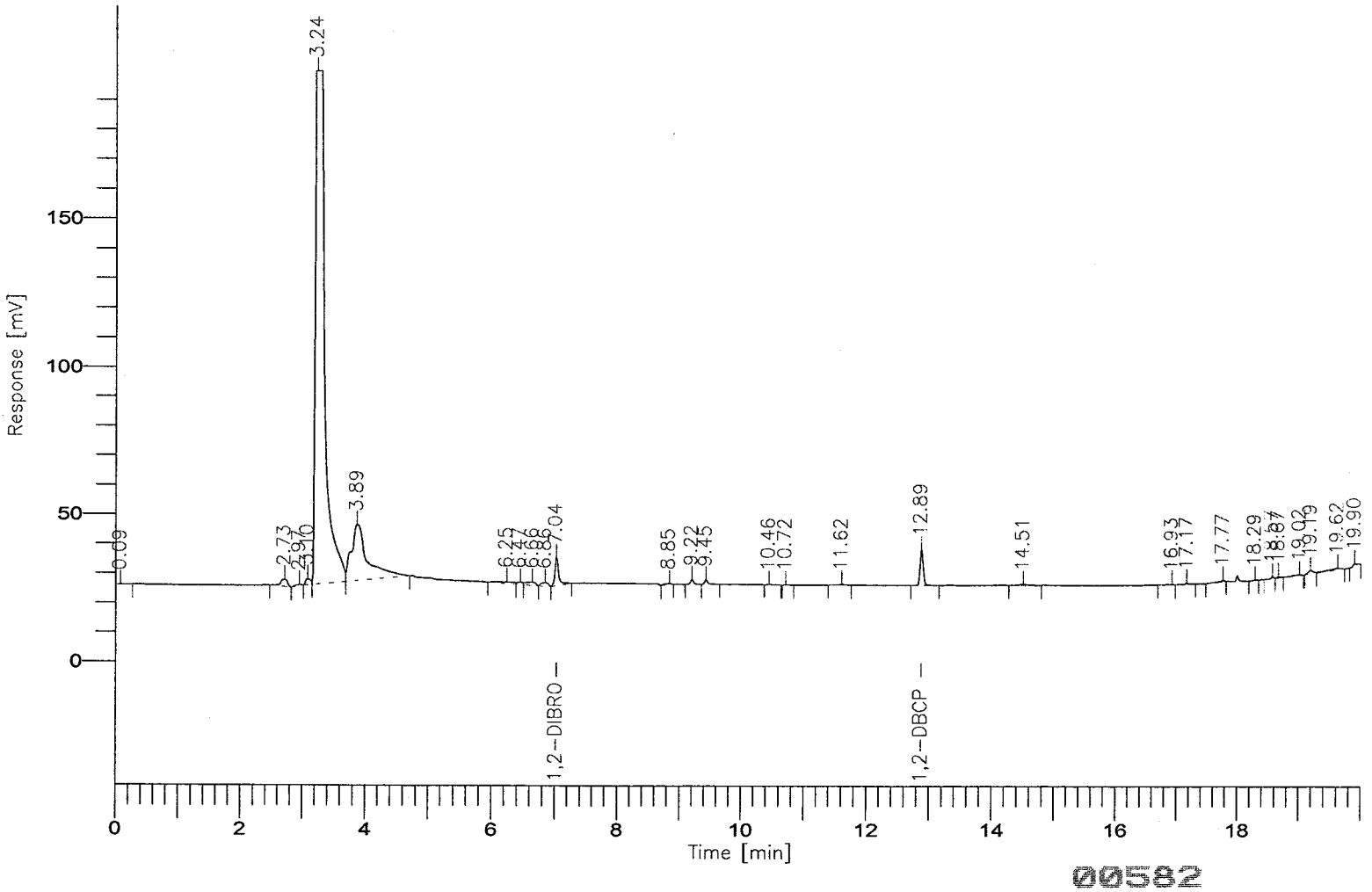
Software Version: 4.1<2F12>
Sample Name : CCV1 Time : 8/17/12 11:24
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 09:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG240.RAW
Result File : C:\TC4\158\AUG2012\BAUG240.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\BAUG240.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00582

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.04	1,2-DIBROMOETHANE (2	0.0050	9805.17	42178.00	35	2	0.28387	Pass
12.89	1,2-DBCP (2C)	0.0048	12337.91	41071.50	35	2	0.27631	↓
			22143.08	83249.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG240.TX0

CONTINUING CALIBRATION CHECK
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Lab Sample ID: 2H17035-CCV2
Lab File ID: AAUG244-0
Injection Date: 08/17/12
Injection Time: 11:25
Calibration Date: 08/16/12 08:16
Calibration: 2H17010
Sequence: 2H17035
Instrument ID: 158

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.00560	0.00530	1.513133E+07	1.171717E+07		-5.4	40

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

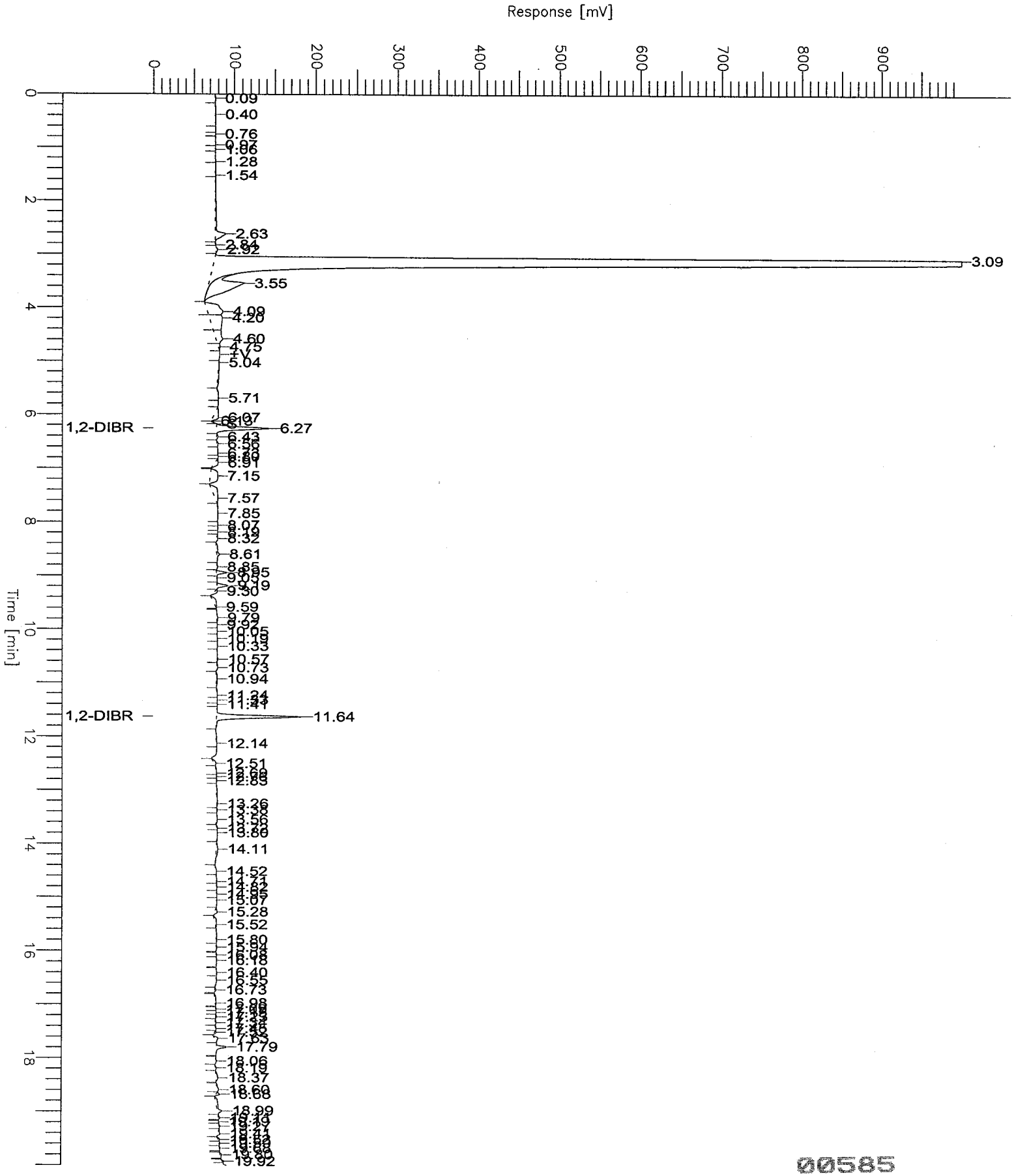
* Values outside of QC limits

00584

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Aaug244.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 11:47
Time of Injection: 8/17/12 11:25
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00585

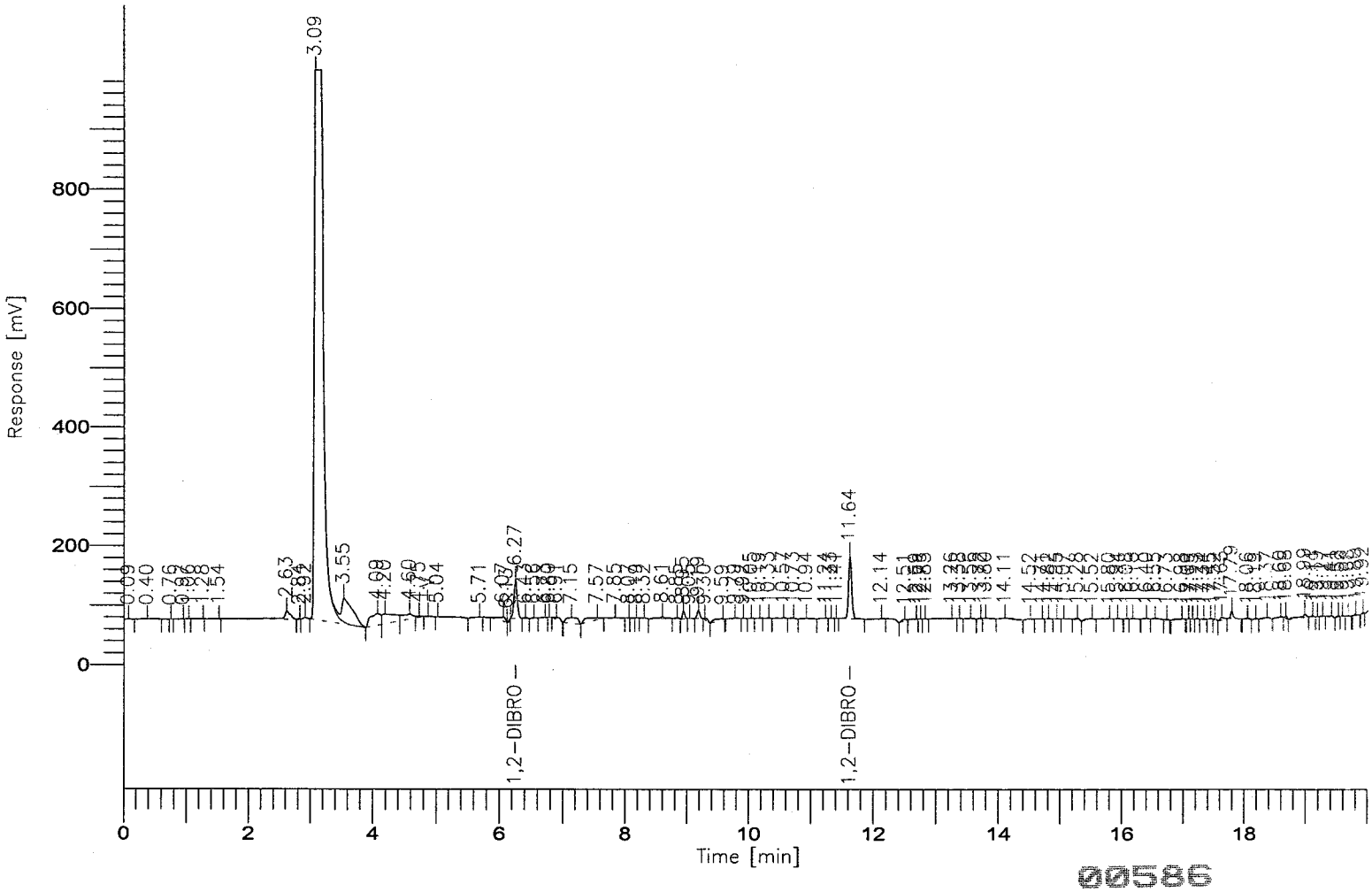
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/17/12 11:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 11:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG244.RAW
Result File : C:\TC4\158\AUG2012\AAUG244.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\AAUG244.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00586

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

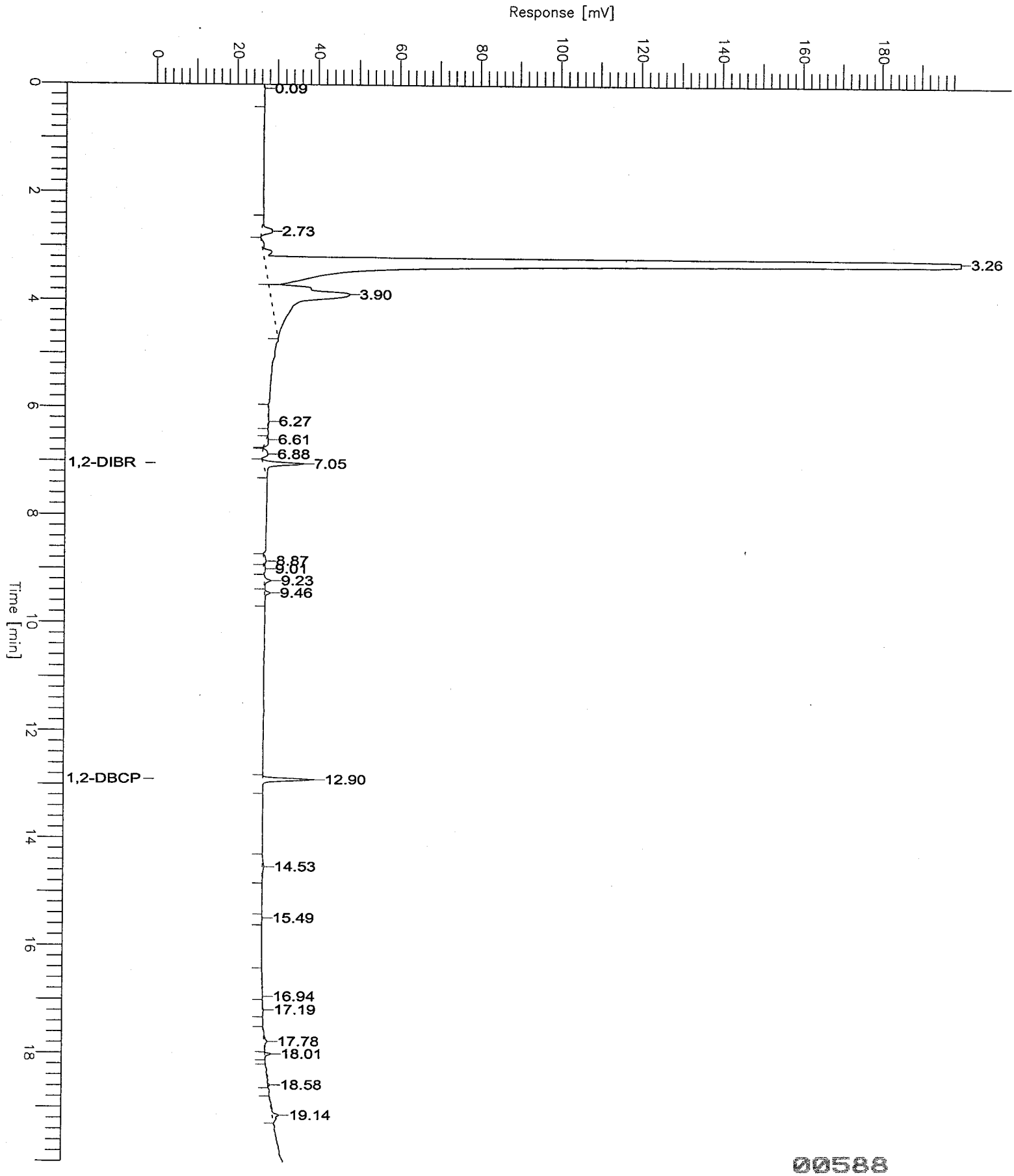
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.27	1,2-DIBROMOETHANE	0.0053	65616.17	233069.00	35	2	0.30108	Pass
11.64	1,2-DIBROMO3CHLOROPR	0.0051	106640.69	369546.50	35	2	0.29246	
			172256.86	602615.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG244.TX0

Chromatogram

Sample Name : CCV2
FileName : C:\TC4\158\AUG2012\Baug244.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 11:47
Time of Injection: 8/17/12 11:25
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00588

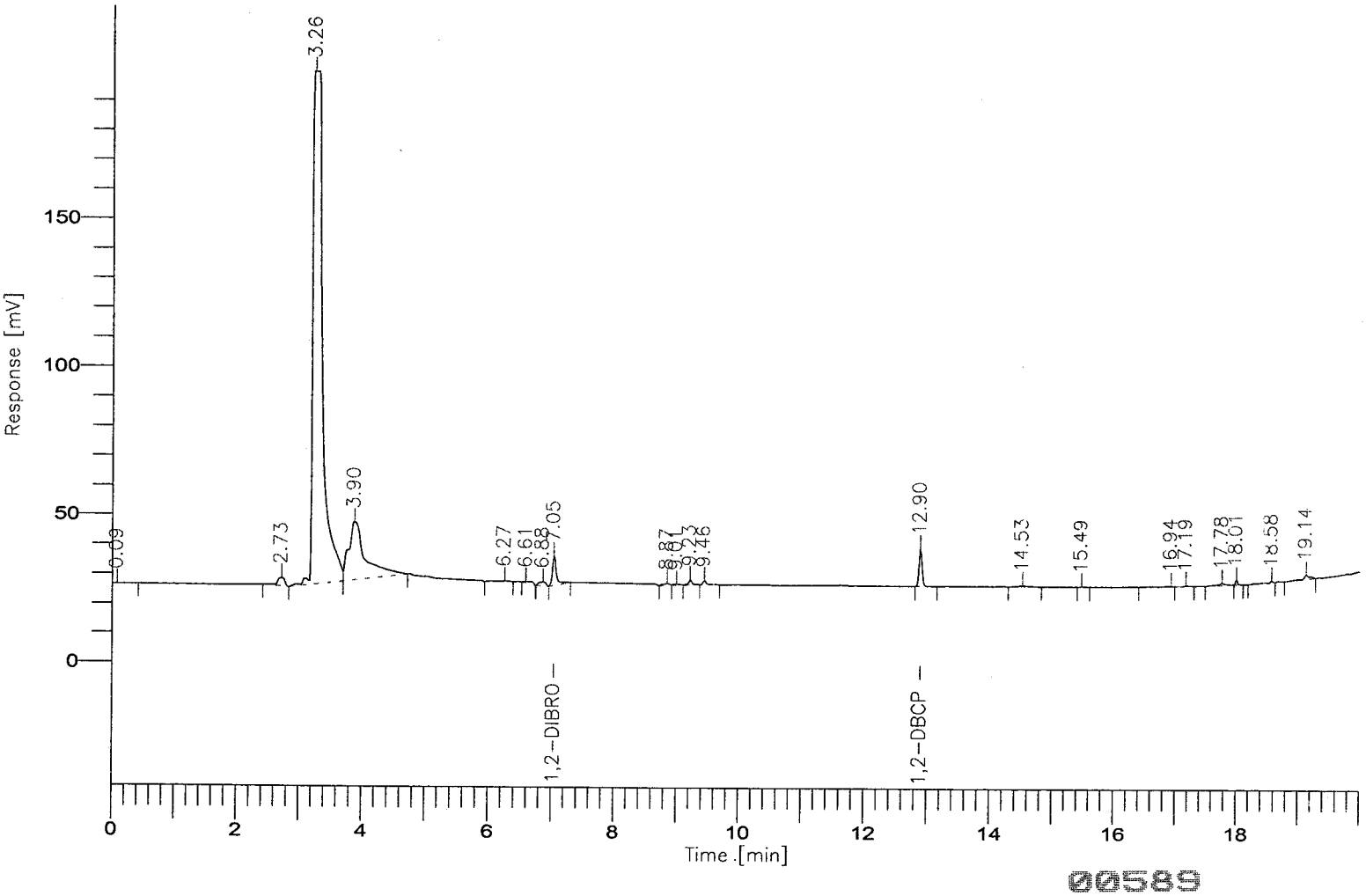
Software Version: 4.1<2F12>
Sample Name : CCV2 Time : 8/17/12 11:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 11:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG244.RAW
Result File : C:\TC4\158\AUG2012\BAUG244.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\BAUG244.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00589

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.05	1,2-DIBROMOETHANE (2	0.0052	10157.40	44600.50	35	2	0.29510
12.90	1,2-DBCP (2C)	0.0050	12761.39	41890.50	35	2	0.28571
			22918.80	86491.00			

Pass

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG244.TX0

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1208585-BLK1
File ID: AJUL128-0
Prepared: 07/16/12 08:08
Analyzed: 07/16/12 19:16
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1208585
Sequence: 2G17011
Calibration: 2G17004
Instrument: 158

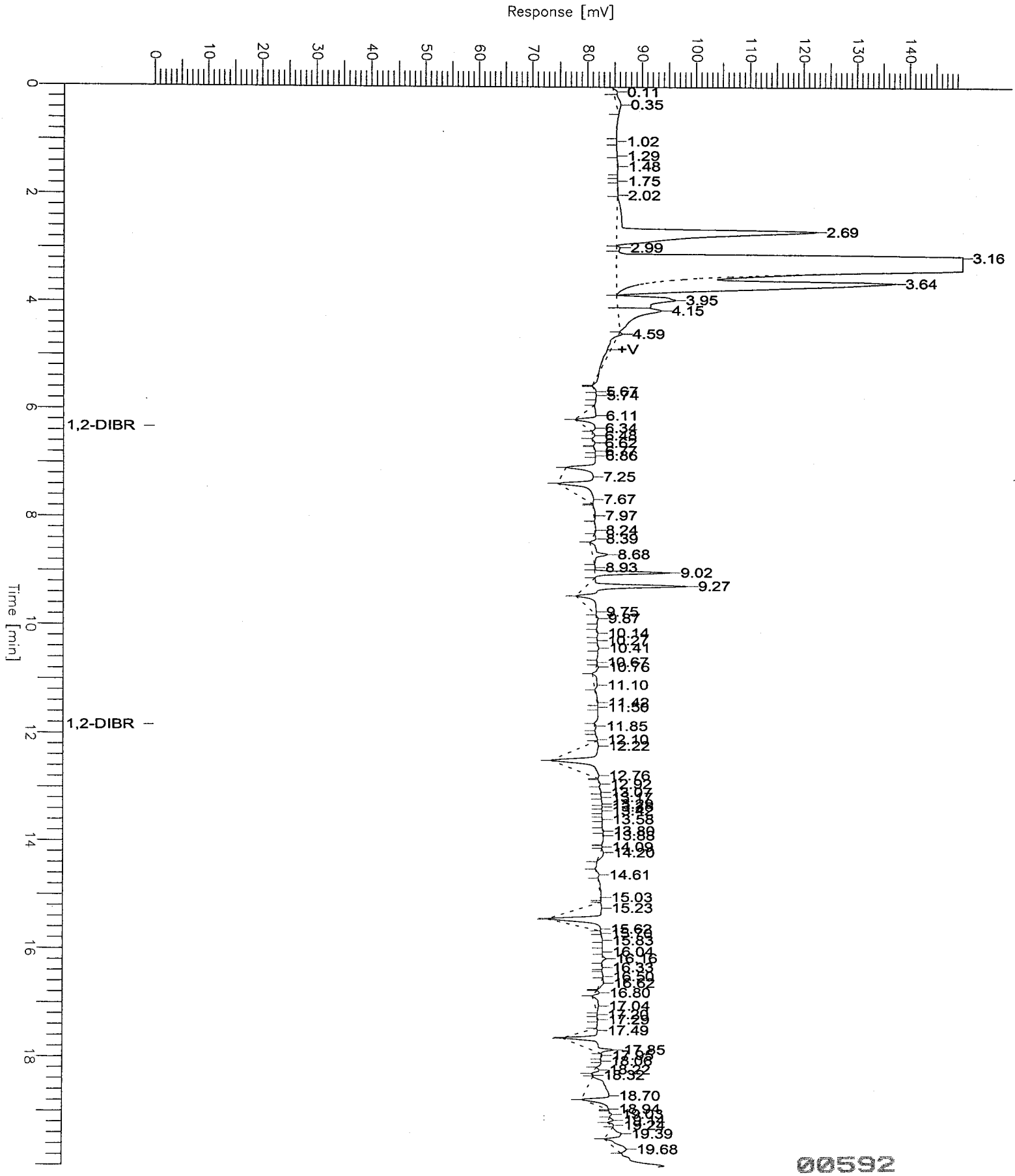
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00591

Chromatogram

Sample Name : 1208585-BLK1
FileName : C:\TC4\158\JULY2012\AJUL128.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 19:16
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00592

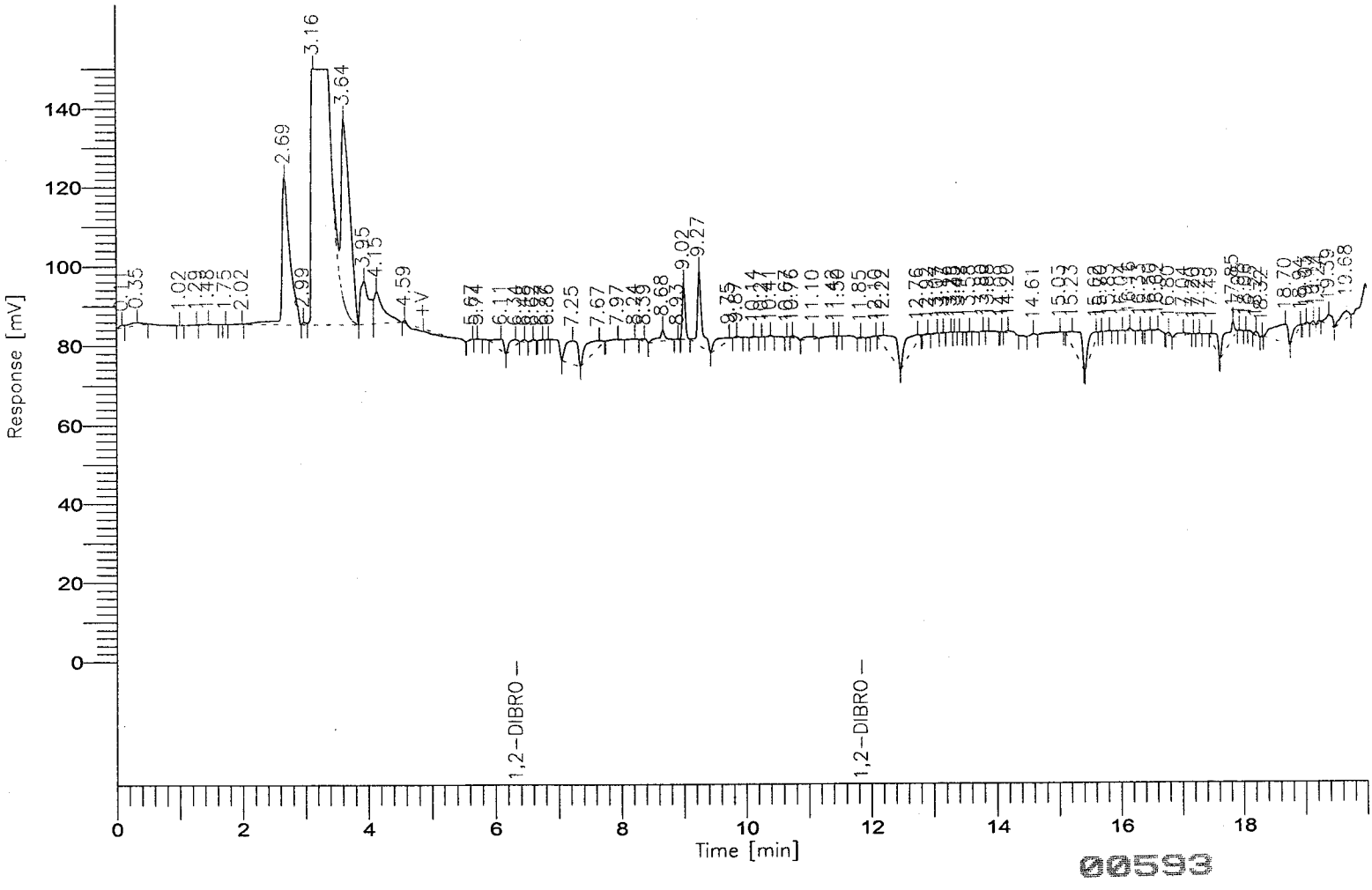
Software Version: 4.1<2F12>
Sample Name : 1208585-BLK1 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL128.RAW
Result File : C:\TC4\158\JULY2012\AJUL128.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL128.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00593

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

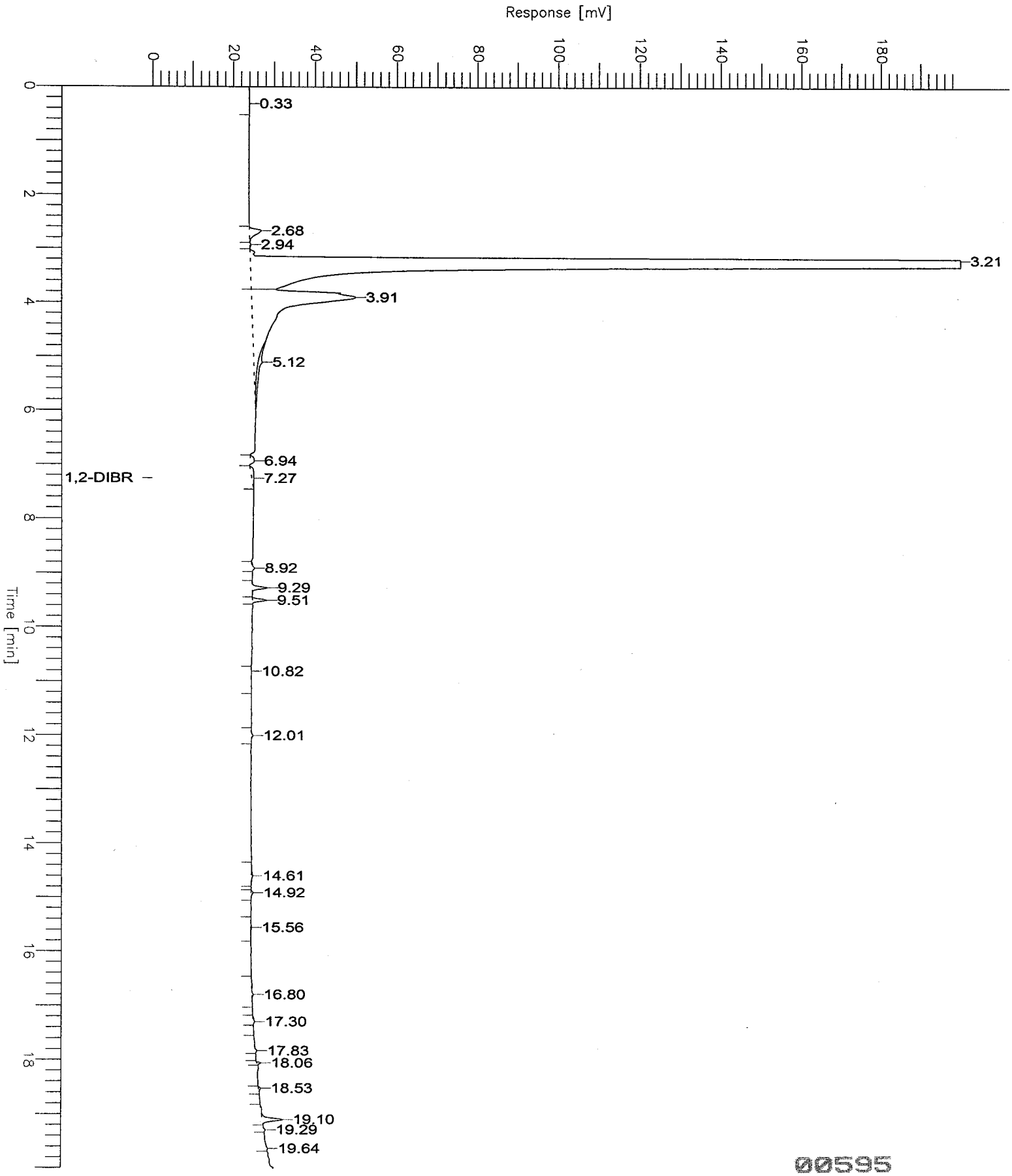
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.34	1,2-DIBROMOETHANE	-0.0003	1362.61	19627.00	35	2	-0.01557	<MDL
11.85	1,2-DIBROMO3CHLOROPR	-0.0002	273.65	1257.00	35	2	-0.00967	↓
			1636.25	20884.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL128.TX0

Chromatogram

Sample Name : 1208585-BLK1
FileName : C:\TC4\158\JULY2012\BJUL128.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 19:16
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00595

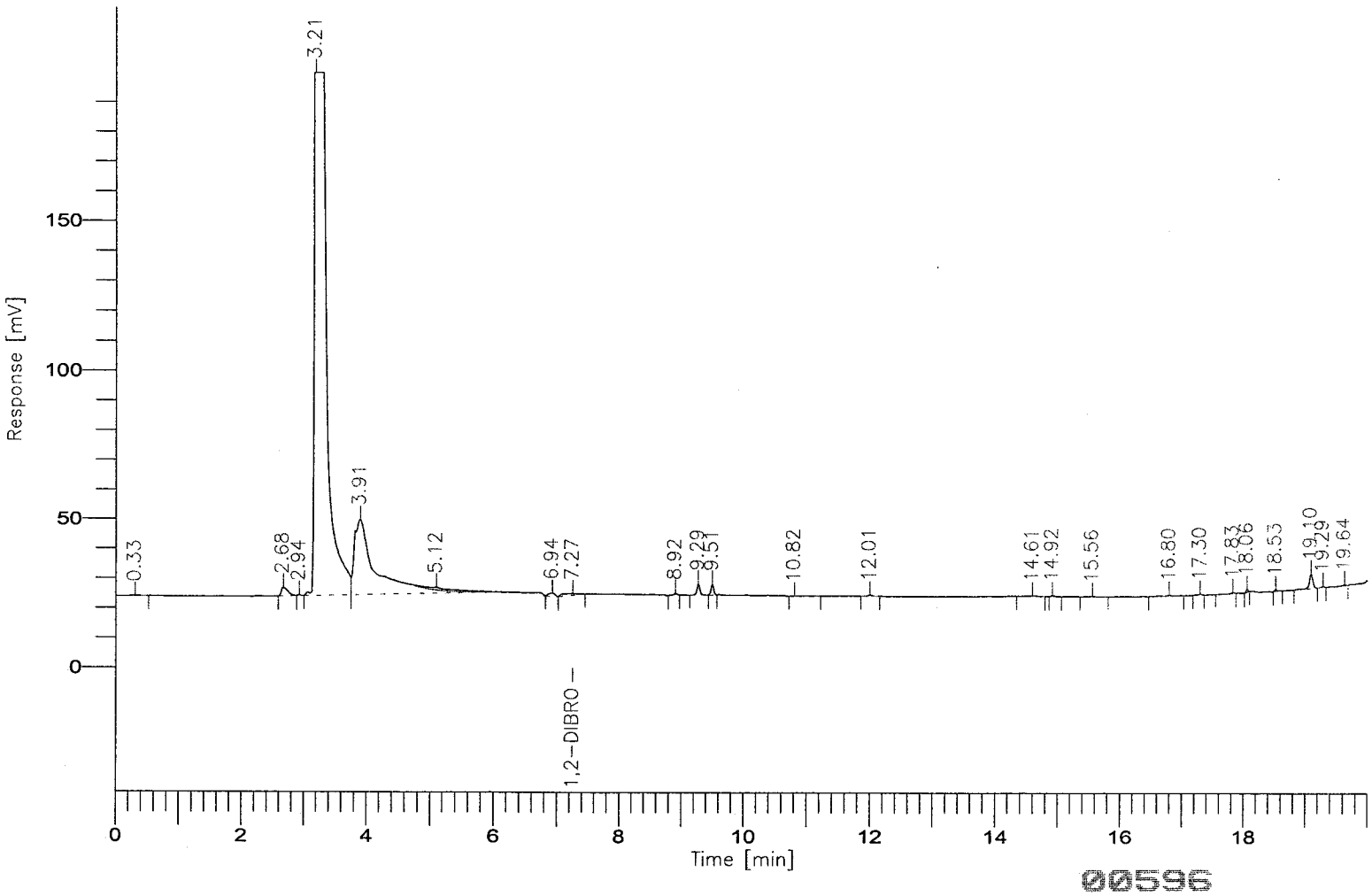
Software Version: 4.1<2F12>
Sample Name : 1208585-BLK1 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 19:16
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL128.RAW
Result File : C:\TC4\158\JULY2012\BJUL128.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL128.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00596

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.27	1,2-DIBROMOETHANE (2	-0.0002	510.96	12068.00	35	2	-0.01243	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			510.96	12068.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL128.TX0

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1208913-BLK1 File ID: AJUL222-0

Prepared: 07/24/12 08:00 Analyzed: 07/24/12 13:52

Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1208913 Sequence: 2G25008 Calibration: 2G17004 Instrument: 158

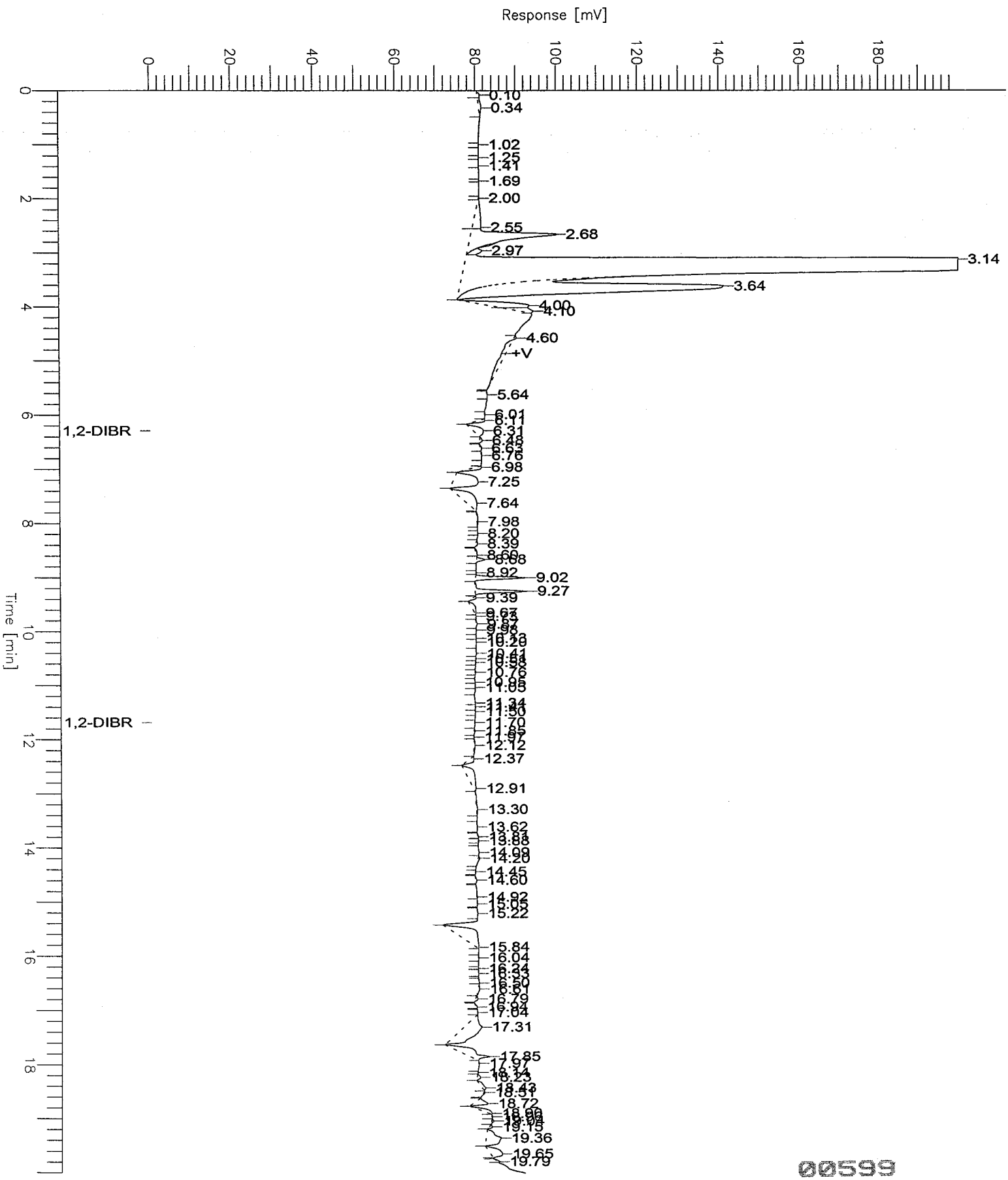
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00598

Chromatogram

Sample Name : 1208913-BLK1
FileName : C:\TC4\158\JULY2012\AJUL222.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 13:52
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00599

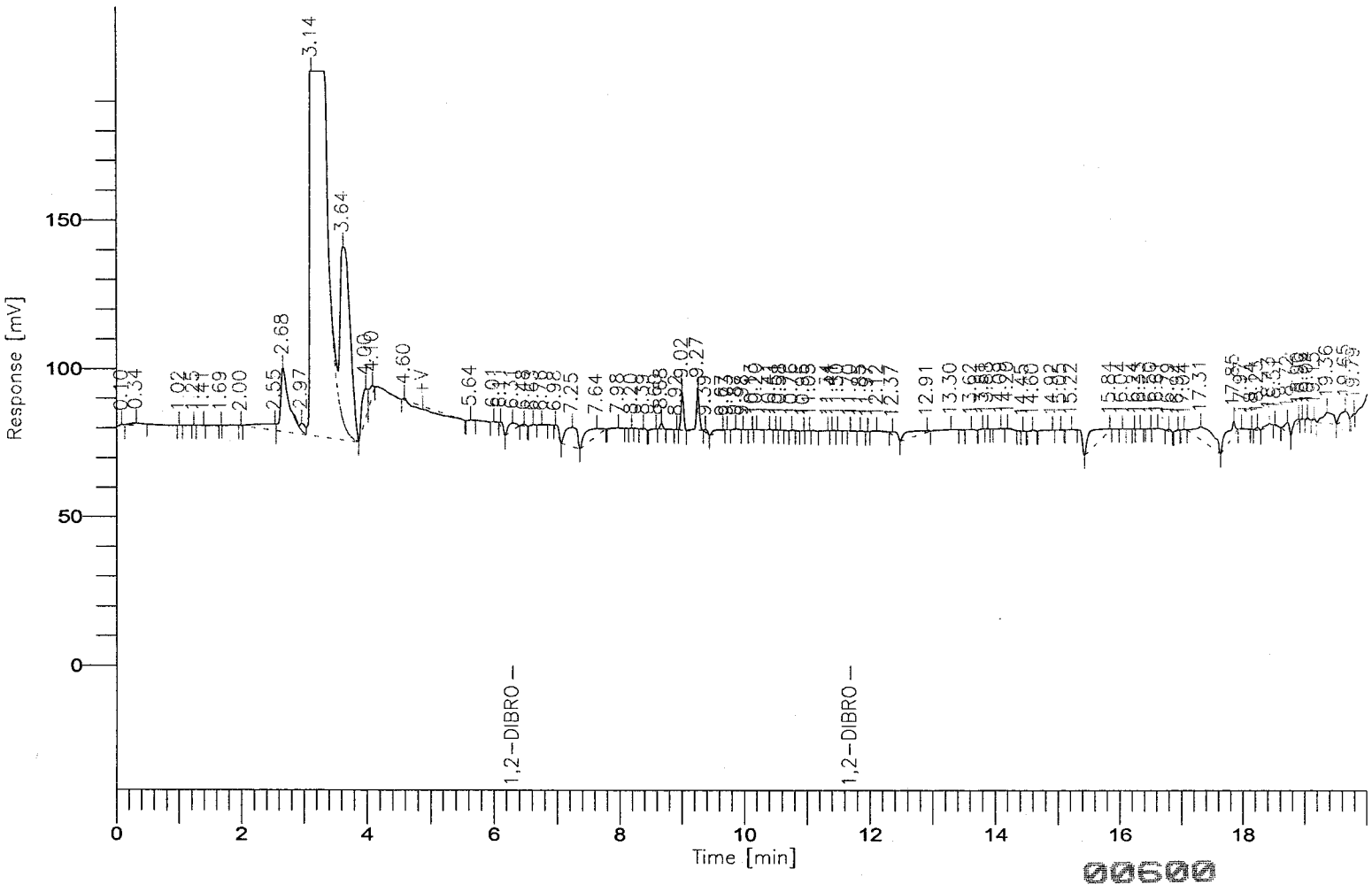
Software Version: 4.1<2F12>
Sample Name : 1208913-BLK1 Time : 7/25/12 08:40
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 13:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL222.RAW
Result File : C:\TC4\158\JULY2012\AJUL222.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL222.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.31	1,2-DIBROMOETHANE	-0.0001	2453.49	25174.00	35	2	-0.00480	<MDL
11.70	1,2-DIBROMO3CHLOROPR	-0.0002	80.23	487.00	35	2	-0.01091	
			2533.72	25661.00				

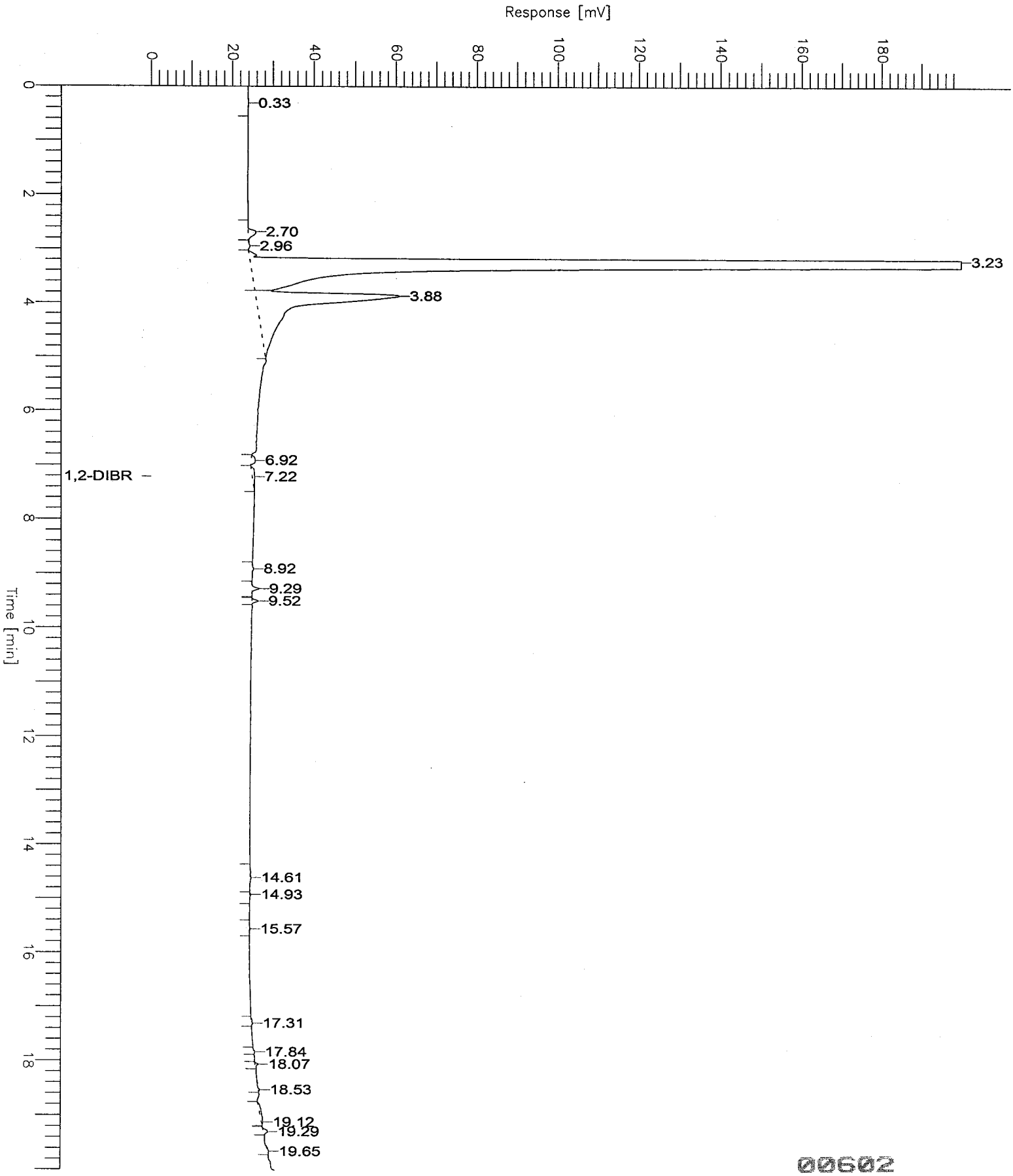
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL222.TX0

7/26/12

Chromatogram

Sample Name : 1208913-BLK1
FileName : C:\TC4\158\JULY2012\BJUL222.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 13:52
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00602

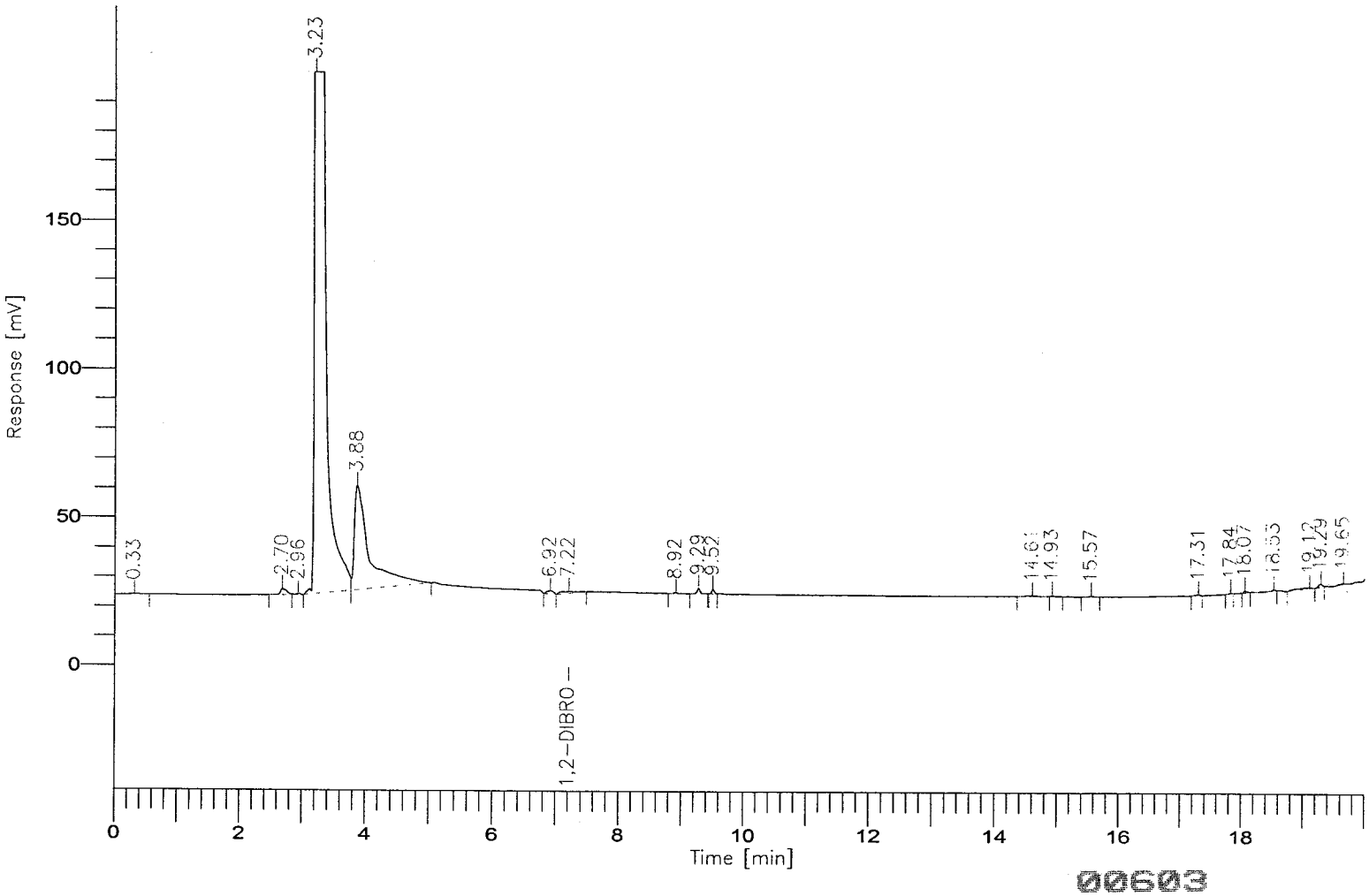
Software Version: 4.1<2F12>
Sample Name : 1208913-BLK1 Time : 7/25/12 08:40
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 13:52
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL222.RAW
Result File : C:\TC4\158\JULY2012\BJUL222.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL222.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00603

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.22	1,2-DIBROMOETHANE (2	-0.0002	589.93	12109.00	35	2	-0.01053	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			589.93	12109.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL222.TX0

METHOD BLANK DATA SHEET
USEPA-8011

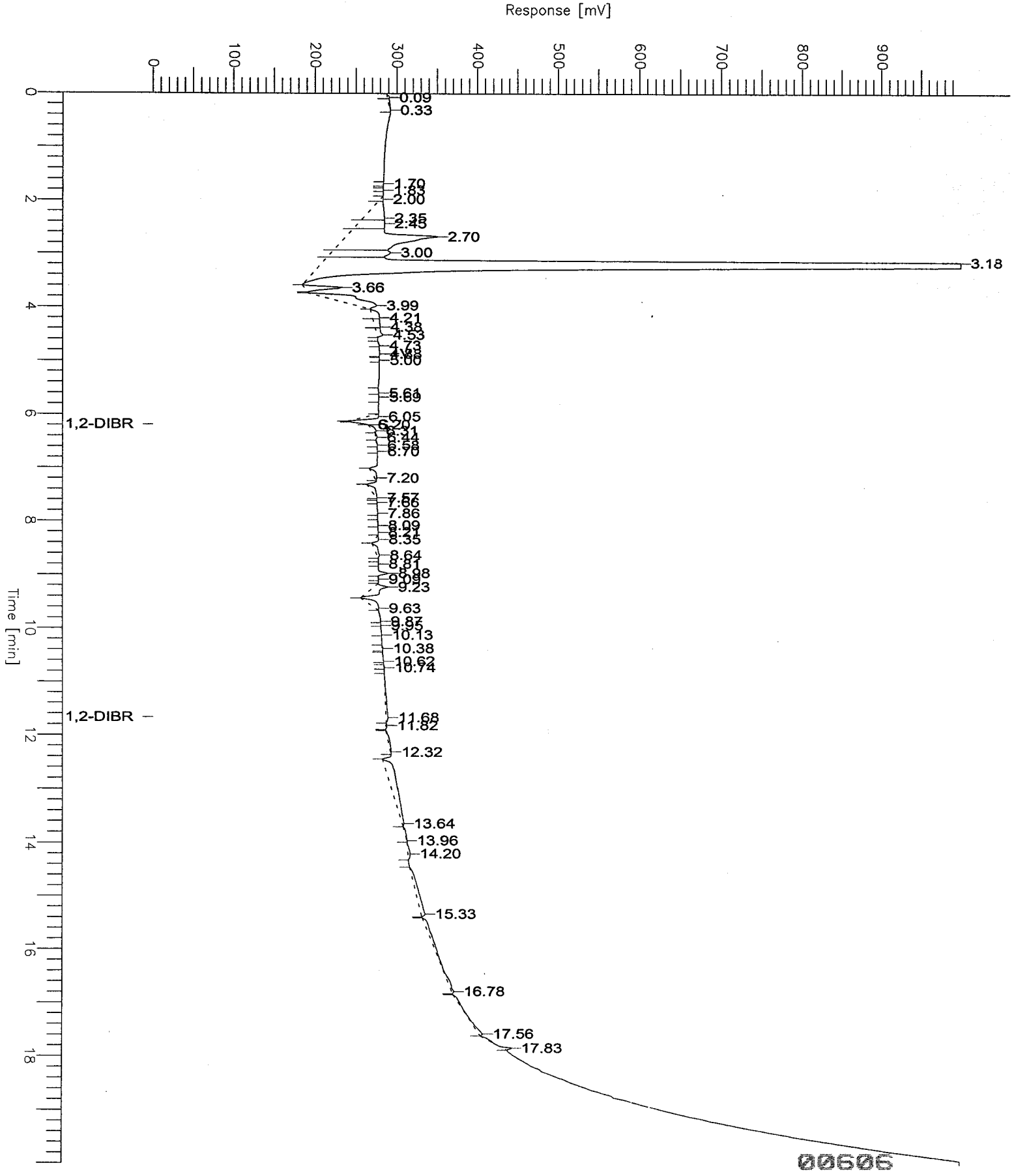
Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM070512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1209449-BLK1
File ID: AAUG041-0
Prepared: 08/03/12 08:17
Analyzed: 08/03/12 13:58
Preparation: Method-Specific Extracti
Initial/Final: 35 mL / 2 mL
QC Batch: 1209449
Sequence: 2H06025
Calibration: 2H06011
Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

Chromatogram

Sample Name : 1209449-BLK1
FileName : C:\TC4\158\AUG2012\Aaug041.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 13:58
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00606

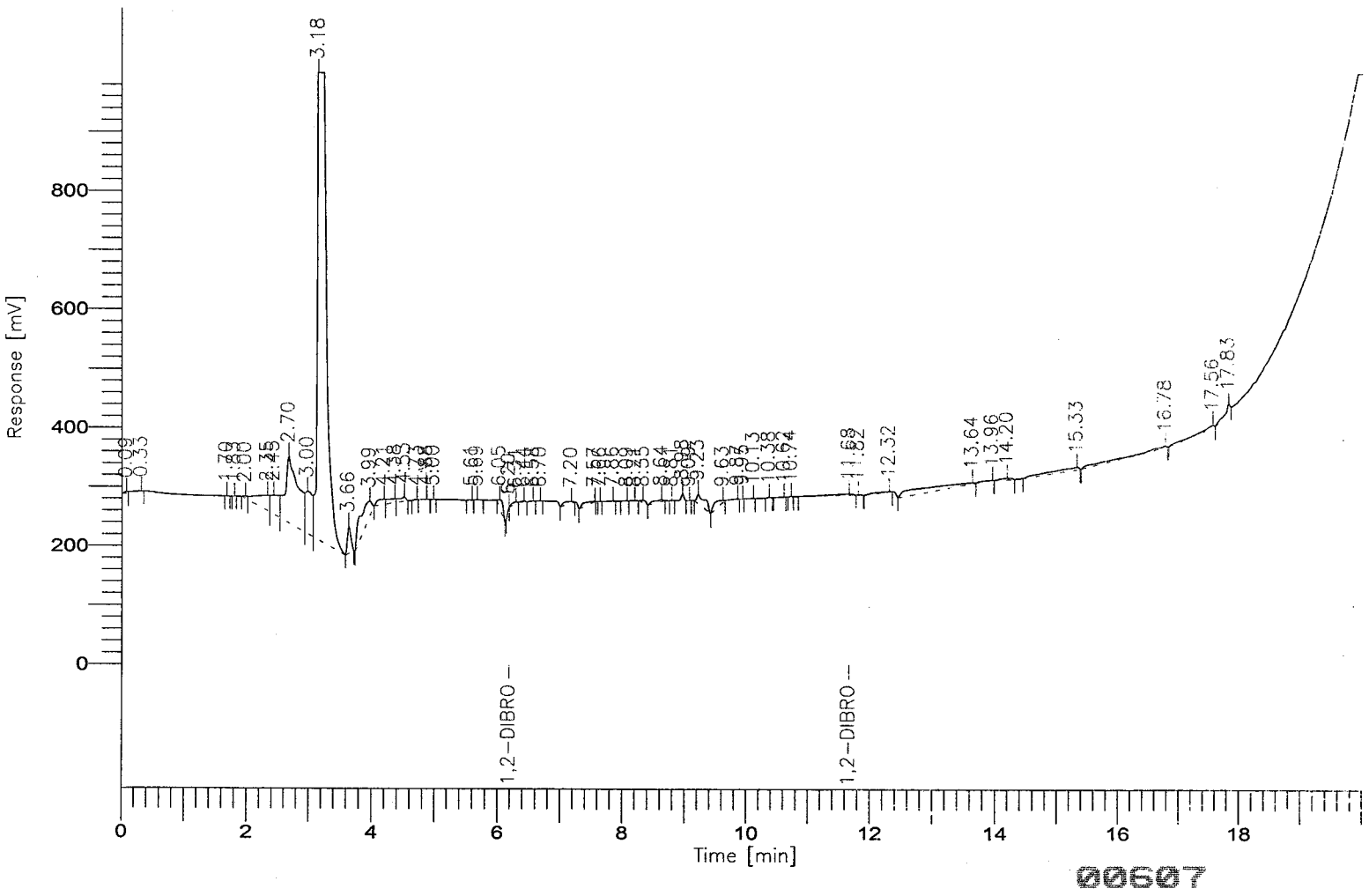
Software Version: 4.1<2F12>
Sample Name : 1209449-BLK1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:58
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG041.RAW
Result File : C:\TC4\158\AUG2012\AAUG041.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG041.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00607

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

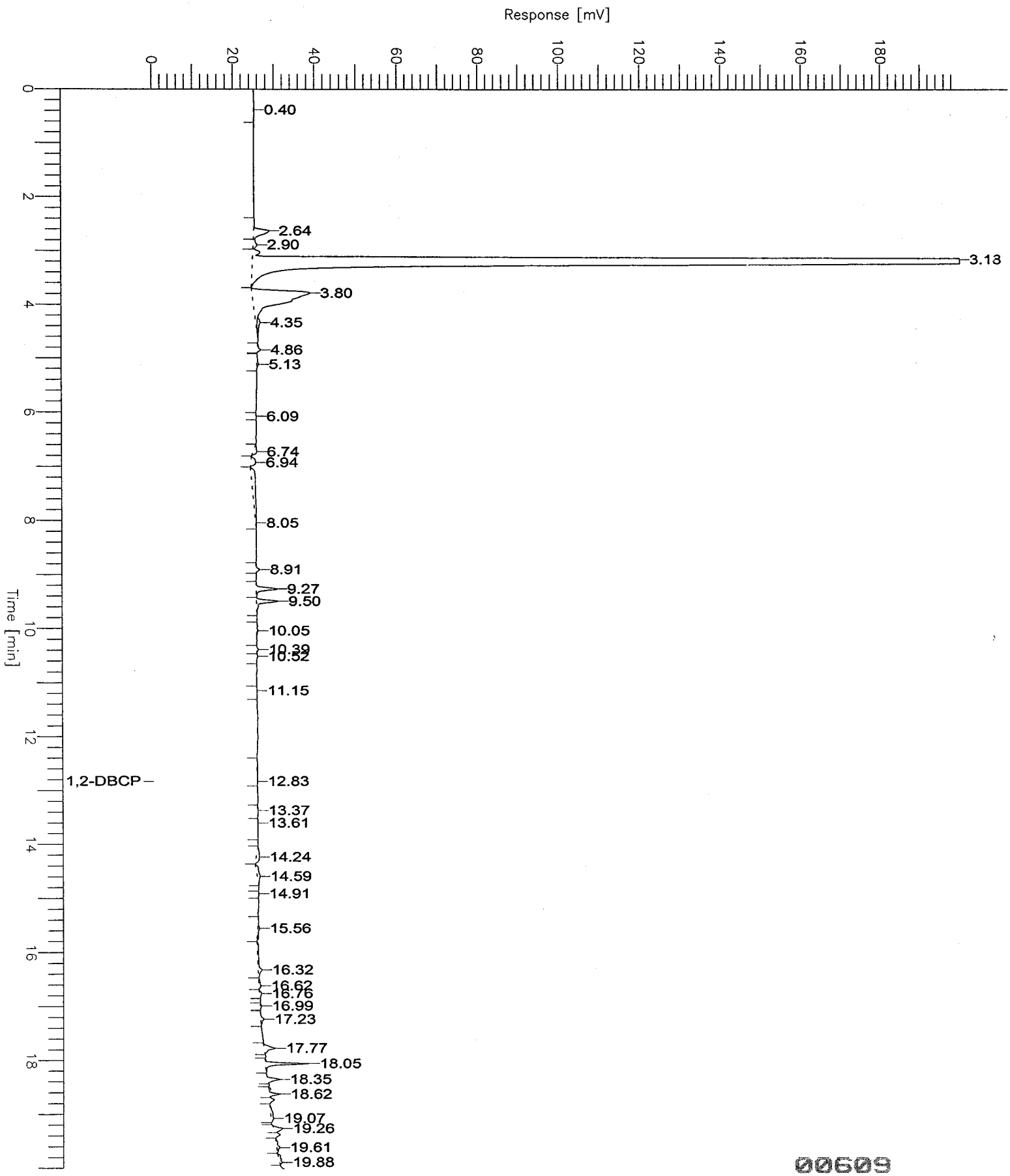
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	1.13e-10	13787.00	35	2	-0.01844	<MDL
11.68	1,2-DIBROMO3CHLOROPR	0.0001	2213.04	64552.00	35	2	0.00811	
			2213.04	78339.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG041.TX0

Chromatogram

Sample Name : 1209449-BLK1
FileName : C:\TC4\158\AUG2012\Baug041.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 13:58
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00609

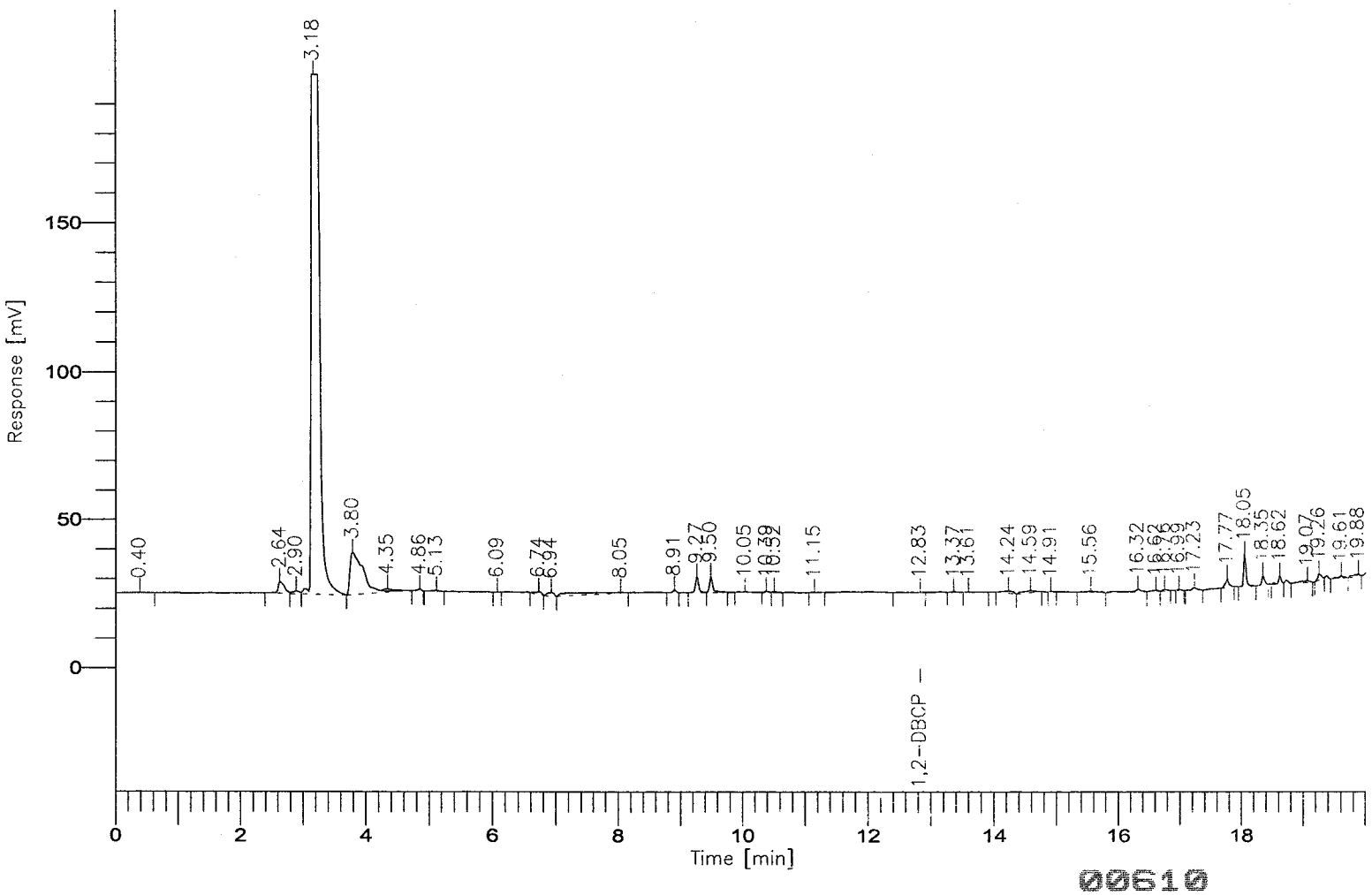
Software Version: 4.1<2F12>
Sample Name : 1209449-BLK1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 13:58
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG041.RAW
Result File : C:\TC4\158\AUG2012\BAUG041.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG041.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00610

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.83	1,2-DBCP (2C)	0.0000	90.15	2565.50	35	2	0.00085	
			90.15	2565.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG041.TX0

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1209537-BLK1 File ID: AAUG061-0

Prepared: 08/06/12 09:22 Analyzed: 08/06/12 10:41

Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

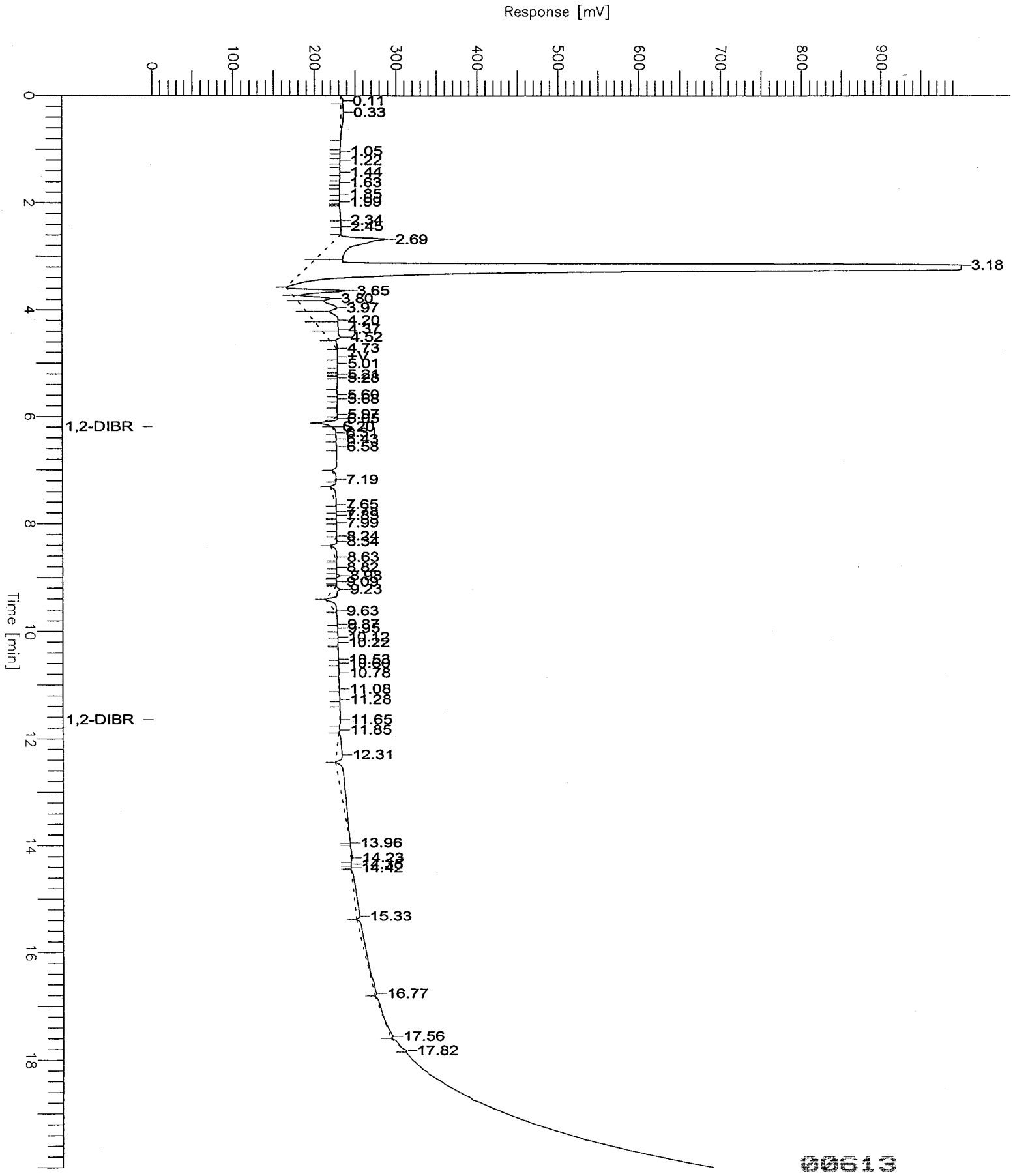
QC Batch: 1209537 Sequence: 2H06039 Calibration: 2H06011 Instrument: 158

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

Chromatogram

Sample Name : 1209537-BLK1
FileName : C:\TC4\158\AUG2012\Aaug061.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:32
Time of Injection: 8/6/12 10:41
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00613

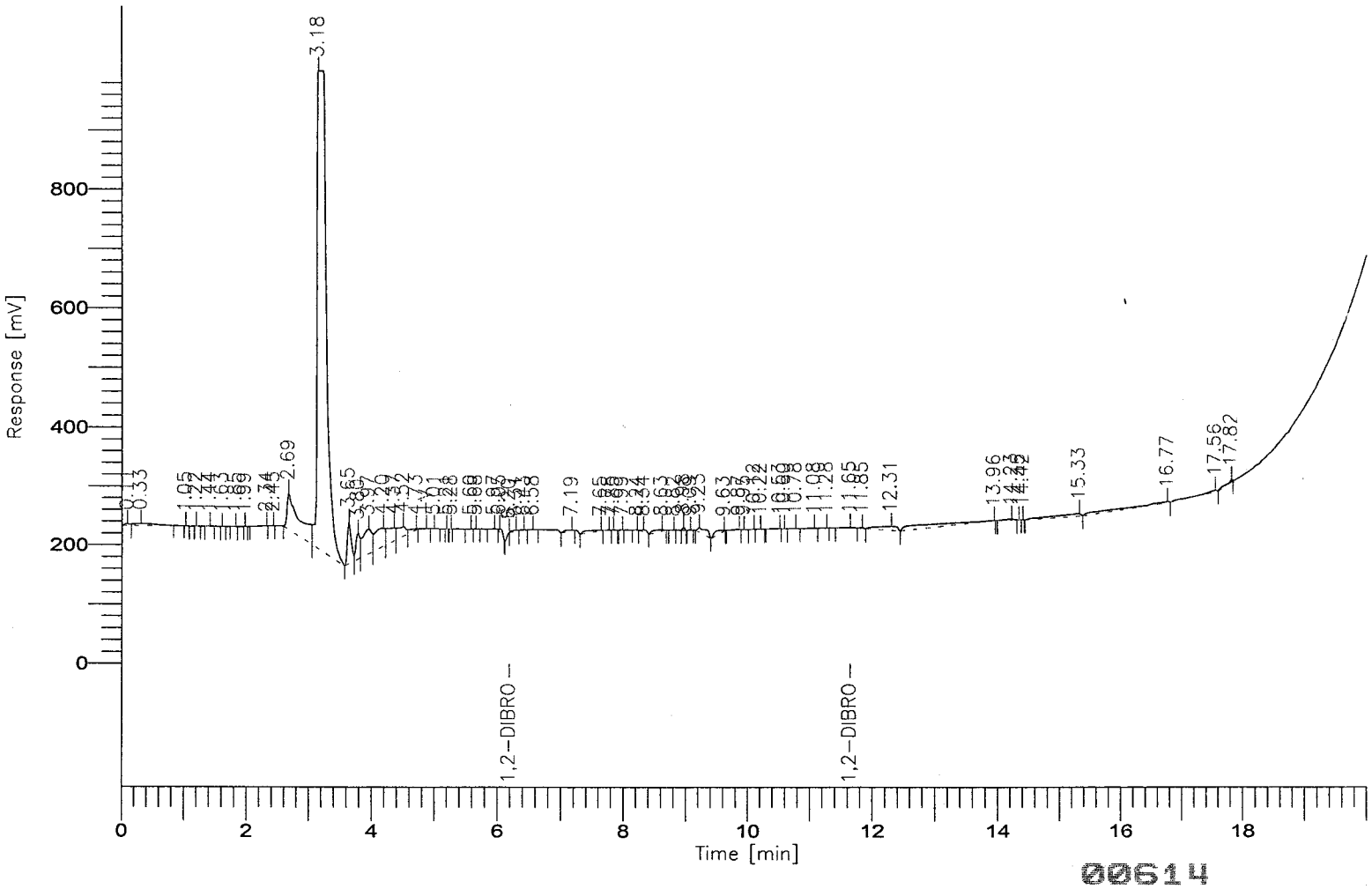
Software Version: 4.1<2F12>
Sample Name : 1209537-BLK1 Time : 8/6/12 13:32
Sample Number: Study : 8011
Operator : ~~ASC~~ BCM 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 10:41
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG061.RAW
Result File : C:\TC4\158\AUG2012\AAUG061.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG061.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00614

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

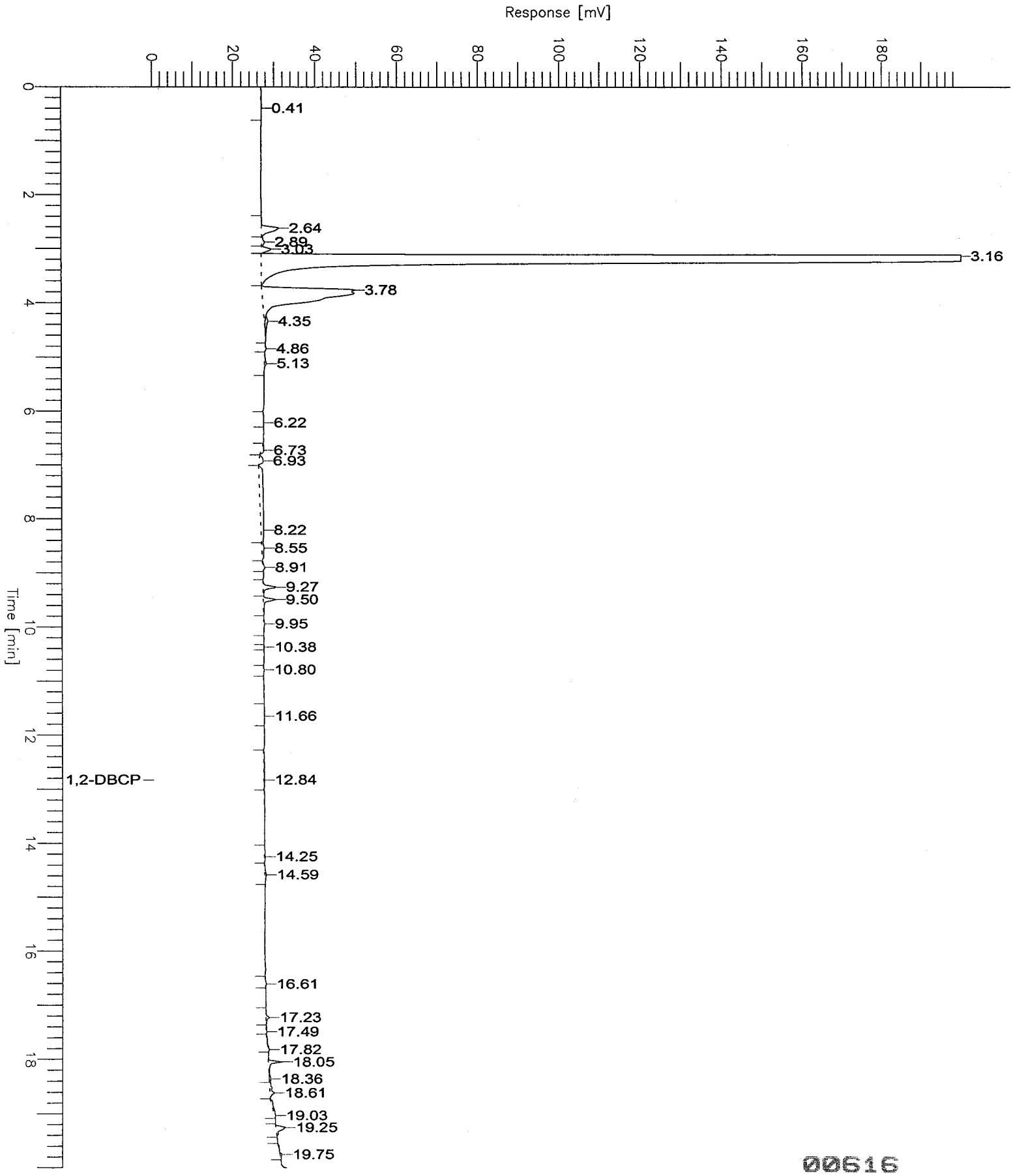
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	0.00	11420.00	35	2	-0.01844	<MDL
11.65	1,2-DIBROMO3CHLOROPR	0.0001	1211.77	13946.50	35	2	0.00444	
			1211.77	25366.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG061.TX0

Chromatogram

Sample Name : 1209537-BLK1
FileName : C:\TC4\158\AUG2012\Baug061.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:32
Time of Injection: 8/6/12 10:41
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00616

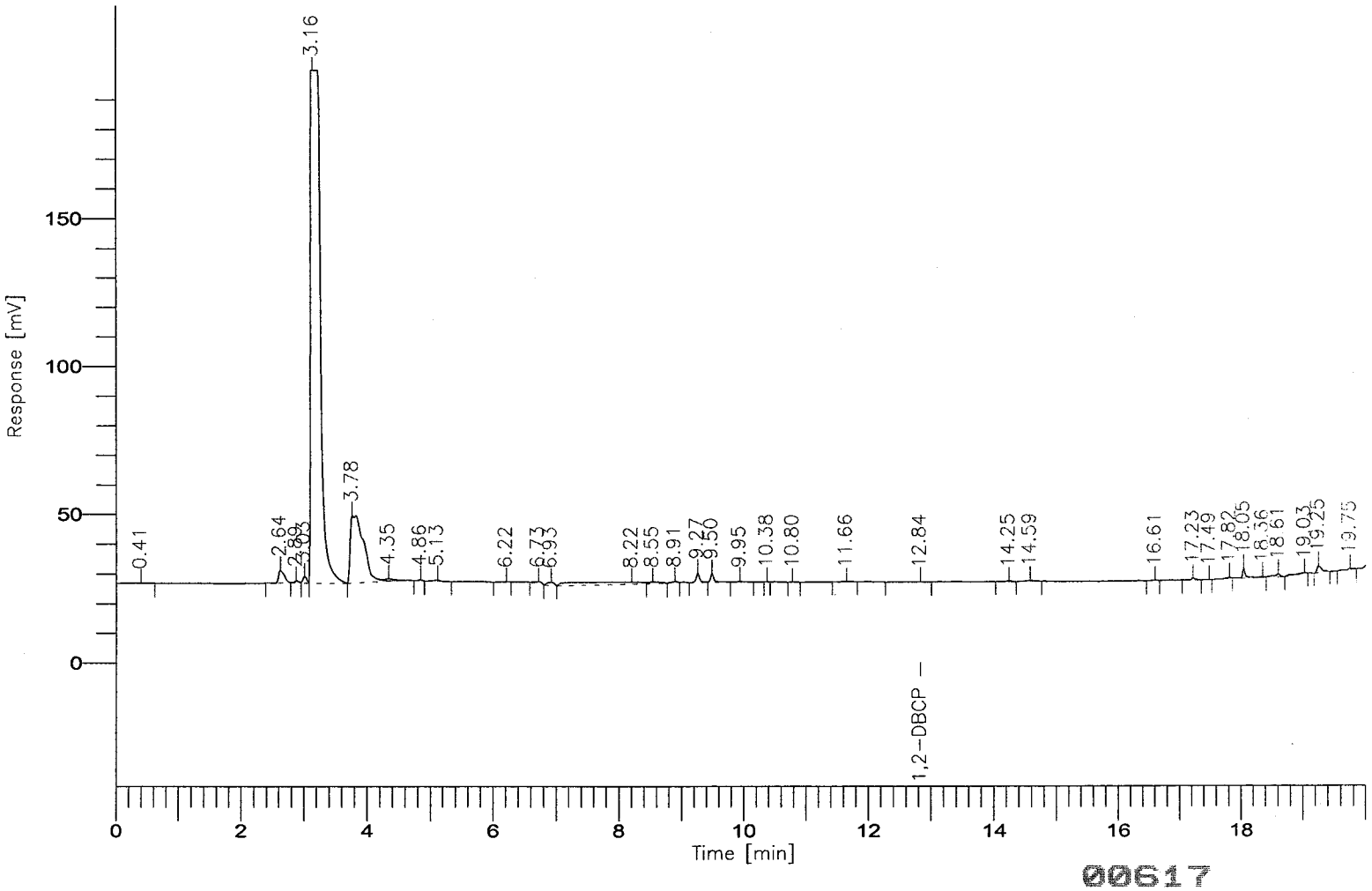
Software Version: 4.1<2F12>
Sample Name : 1209537-BLK1 Time : 8/6/12 13:32
Sample Number: Study : 8011
Operator : ~~ABC~~ BJT 8/6/12

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 10:41
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG061.RAW
Result File : C:\TC4\158\AUG2012\BAUG061.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG061.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00617

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.84	1,2-DBCP (2C)	0.0000	114.74	4998.00	35	2	0.00109	
			114.74	4998.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG061.TX0

METHOD BLANK DATA SHEET
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM070512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1209921-BLK1 File ID: AAUG223-0

Prepared: 08/16/12 08:52 Analyzed: 08/16/12 14:29

Preparation: Method-Specific Extracti Initial/Final: 35 mL / 2 mL

QC Batch: 1209921 Sequence: 2H17033 Calibration: 2H17010 Instrument: 158

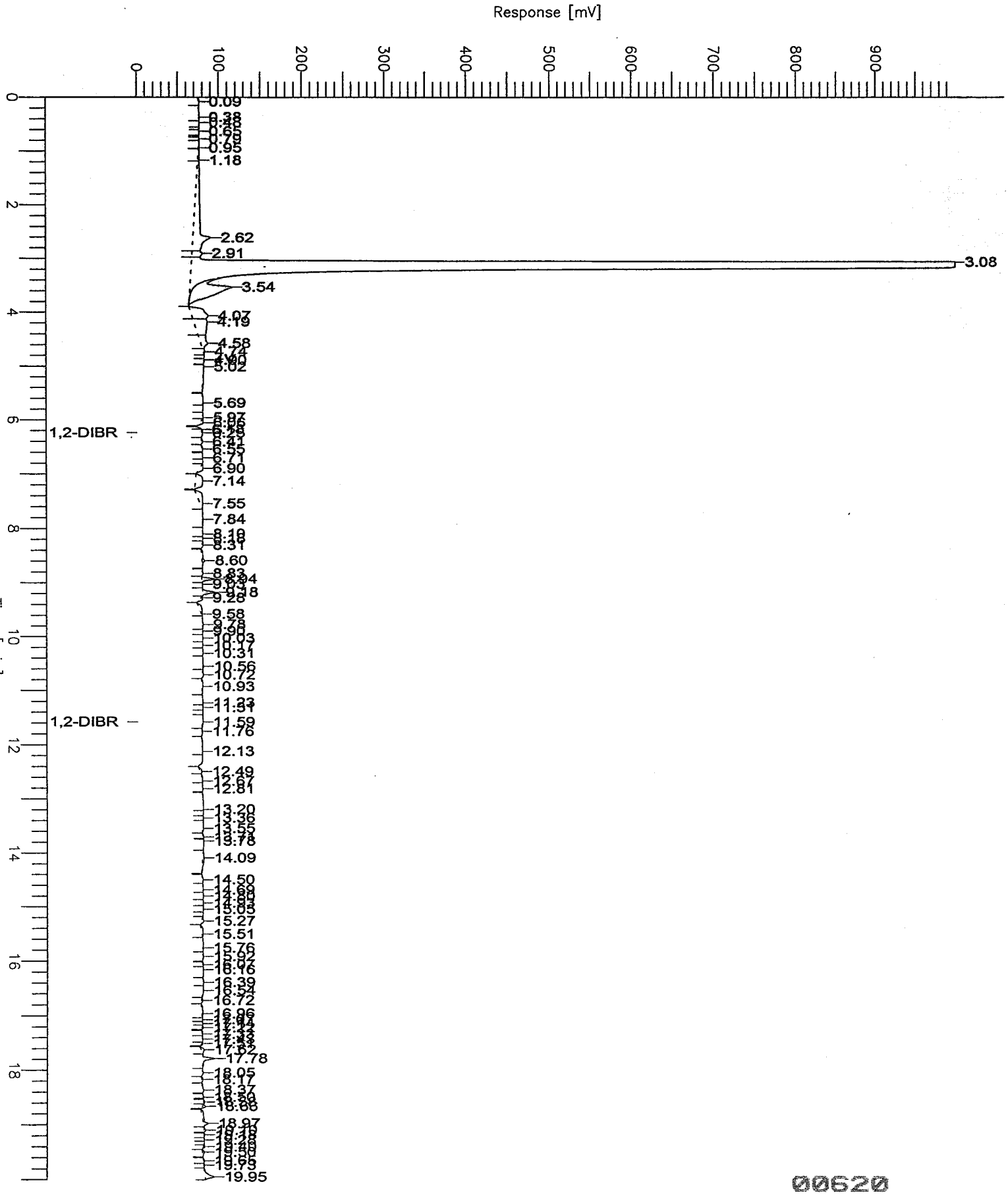
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
106-93-4	1,2-Dibromoethane	0.050	ug/L	0.0088	0.050	U

00619

Chromatogram

Sample Name : 1209922-BLK1
FileName : C:\TC4\158\AUG2012\Aaug223.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:29
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00620

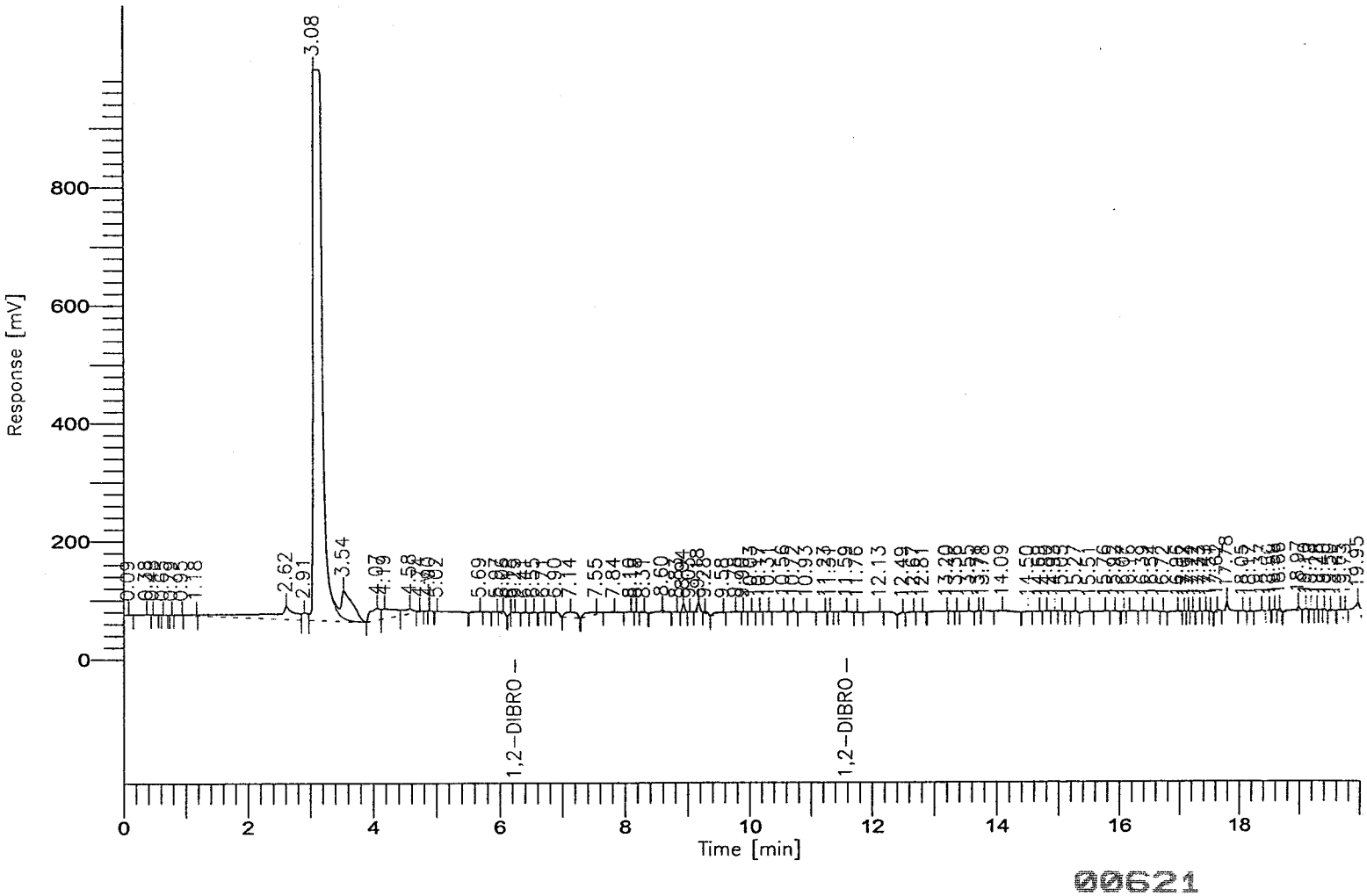
Software Version: 4.1<2F12>
Sample Name : 1209922-BLK1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:29
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG223.RAW
Result File : C:\TC4\158\AUG2012\AAUG223.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG223.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00621

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

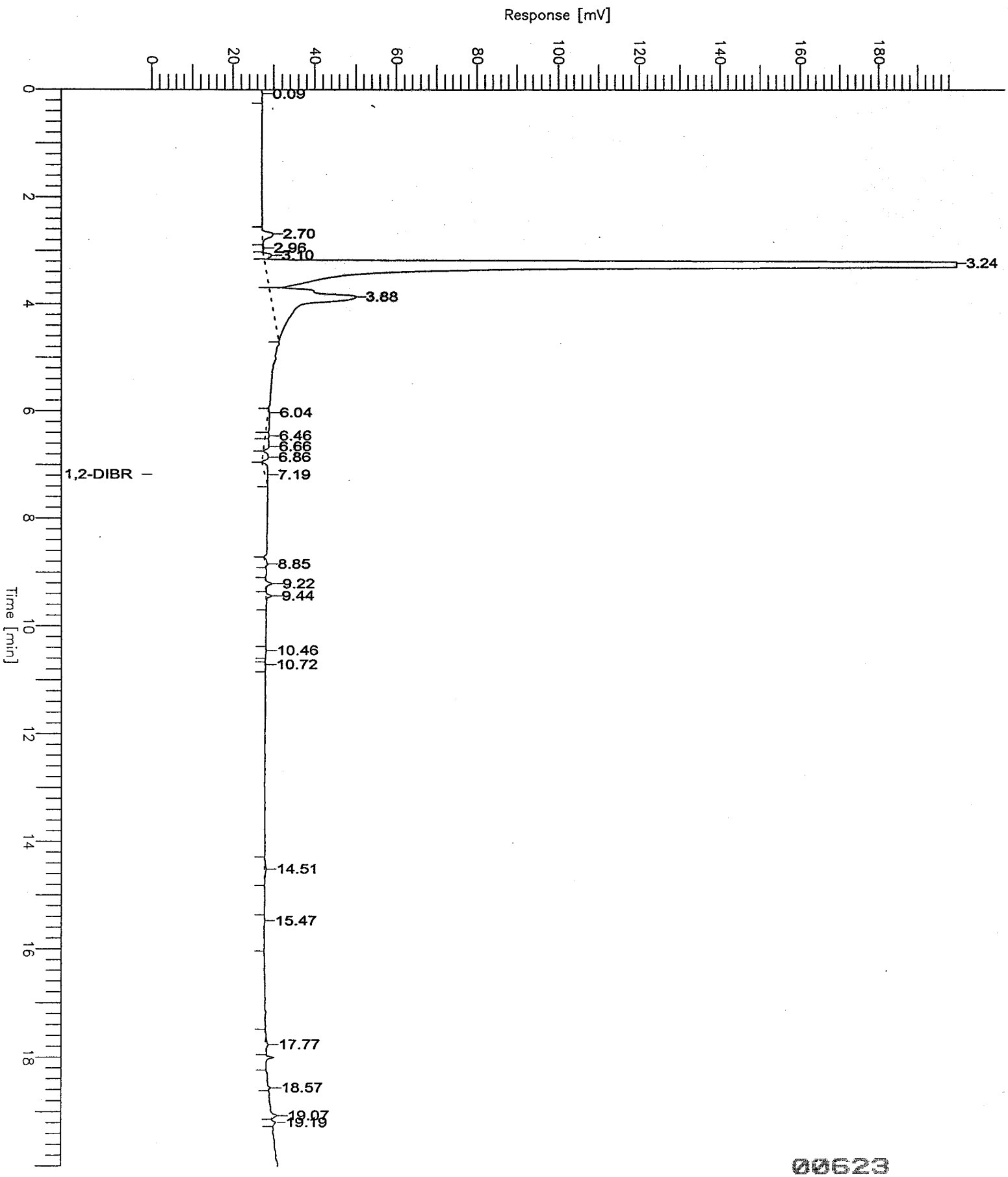
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.25	1,2-DIBROMOETHANE	-0.0003	1058.00	7059.00	35	2	-0.01864	<MDL
11.58	1,2-DIBROMO3CHLOROPR	-0.0003	809.49	7197.50	35	2	-0.01781	↓
			1867.49	14256.50				

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG223.TX0

Chromatogram

Sample Name : 1209922-BLK1
FileName : C:\TC4\158\AUG2012\Baug223.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:29
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00623

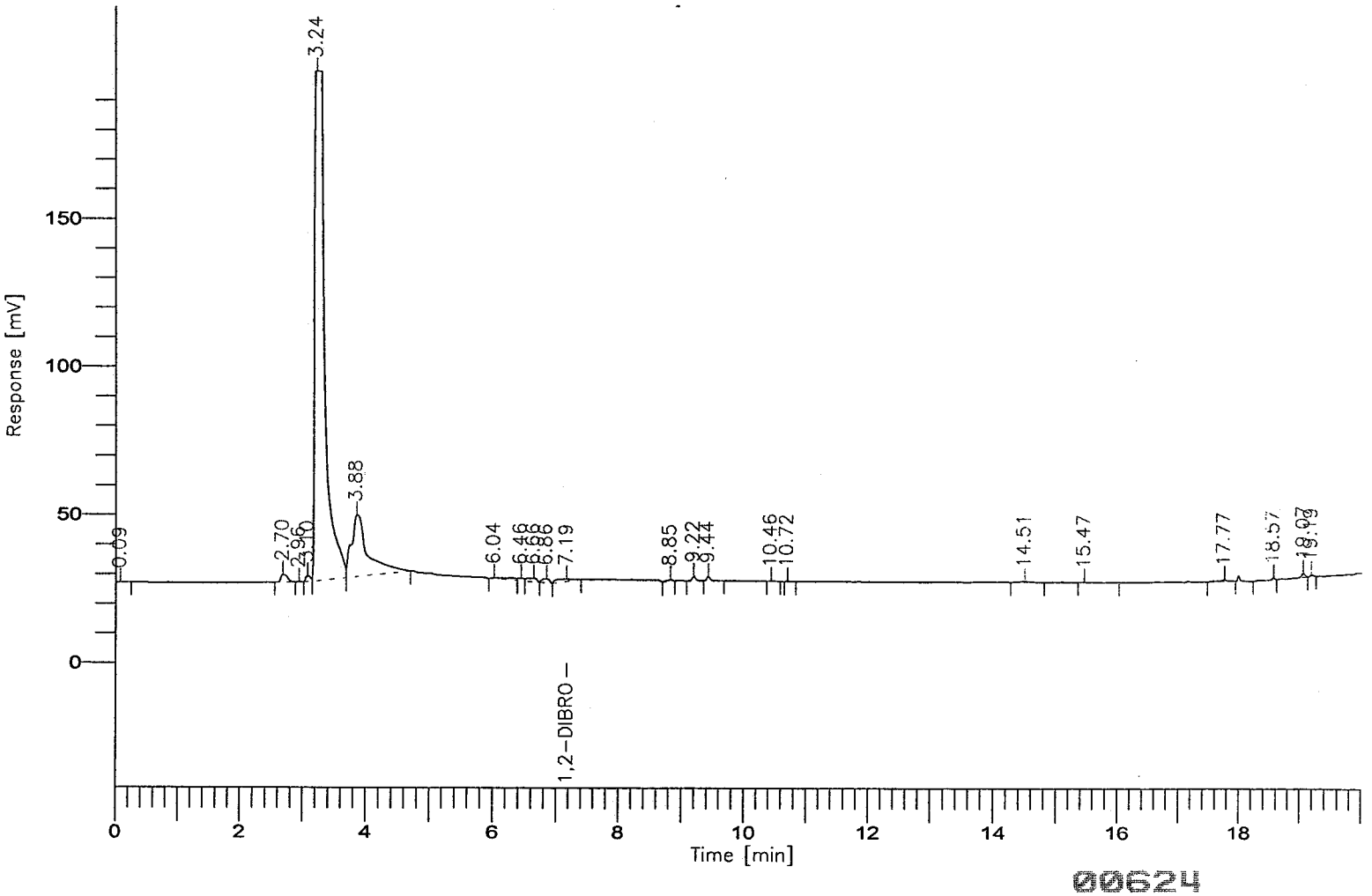
Software Version: 4.1<2F12>
Sample Name : 1209922-BLK1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:29
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG223.RAW
Result File : C:\TC4\158\AUG2012\BAUG223.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG223.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00624

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.19	1,2-DIBROMOETHANE (2	-0.0001	719.67	17772.00	35	2	-0.00565	<MDL
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	↓
			719.67	17772.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG223.TX0

LCS / LCS DUPLICATE RECOVERY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1208585

SDG: KNM070512

Project: KNM

Laboratory ID: 1208585-BS1

Preparation: Method-Specific Extraction

Initial/Final: 35 mL / 2 mL

Sequence: 2G17011

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.337	105	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

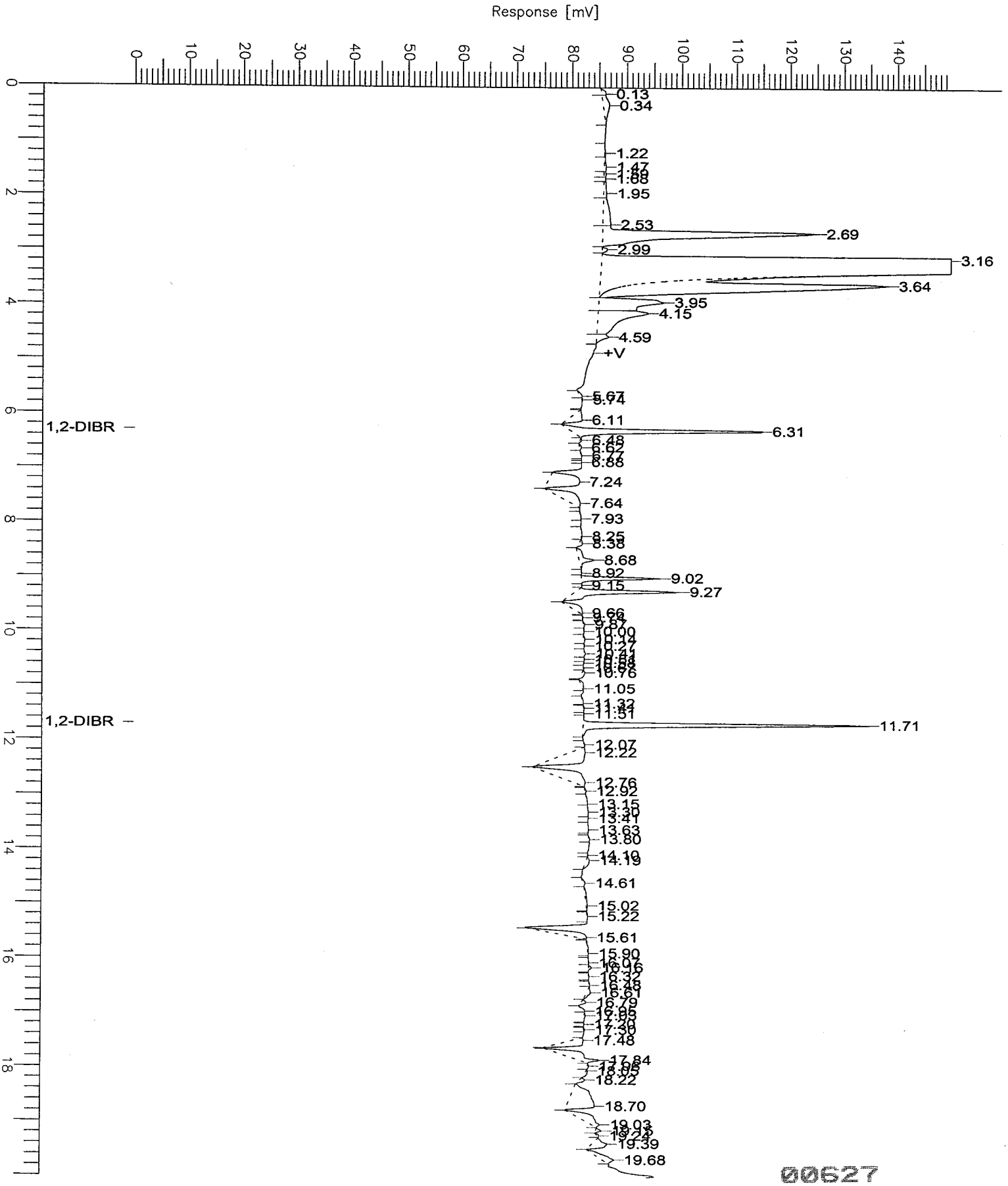
* Values outside of QC limits

00626

Chromatogram

Sample Name : 1208585-BS1
FileName : C:\TC4\158\JULY2012\AJUL129.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 19:45
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00627

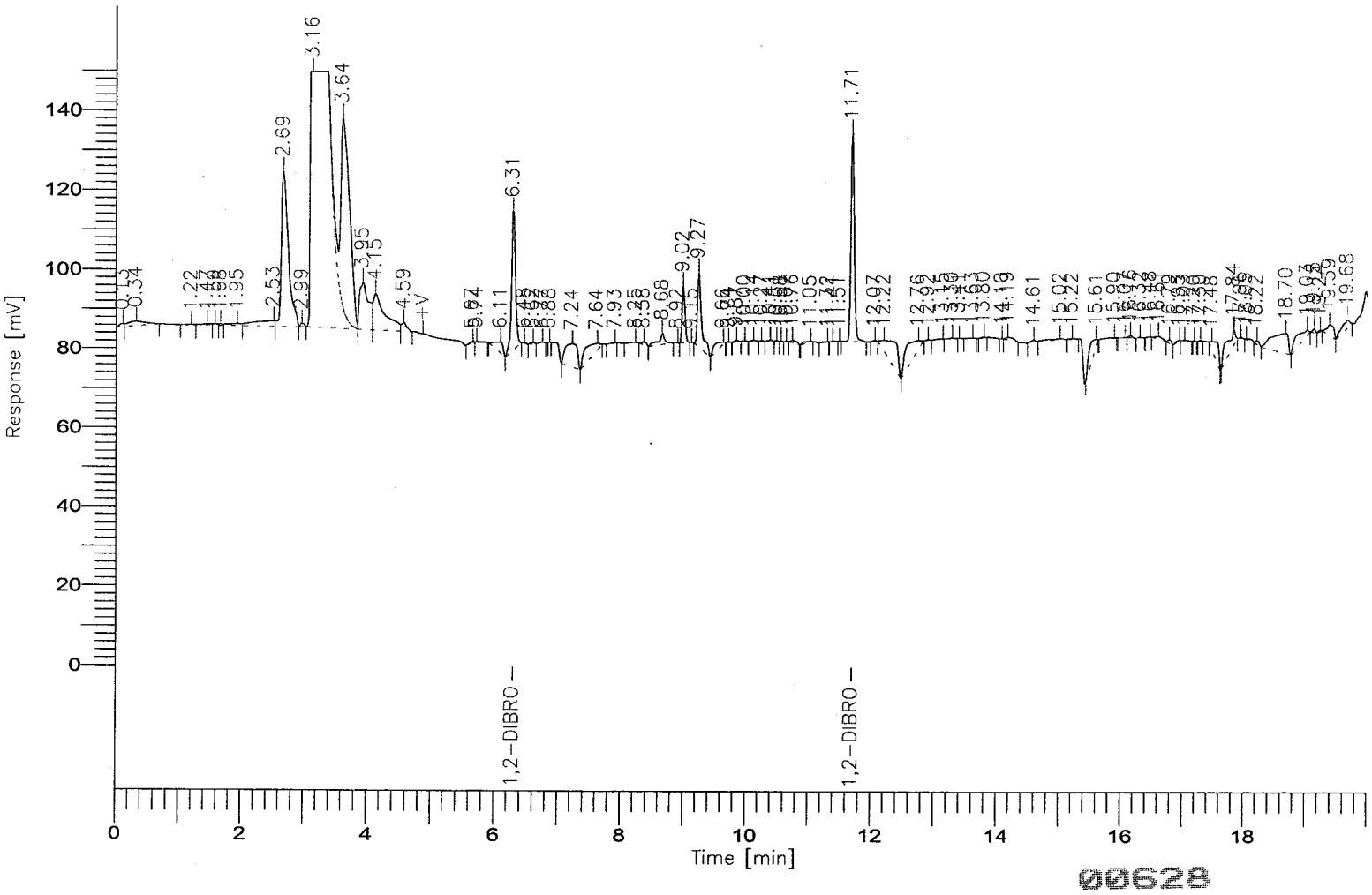
Software Version: 4.1<2F12>
Sample Name : 1208585-BS1 Time : 7/17/12 08:34
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 19:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL129.RAW
Result File : C:\TC4\158\JULY2012\AJUL129.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL129.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00628

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

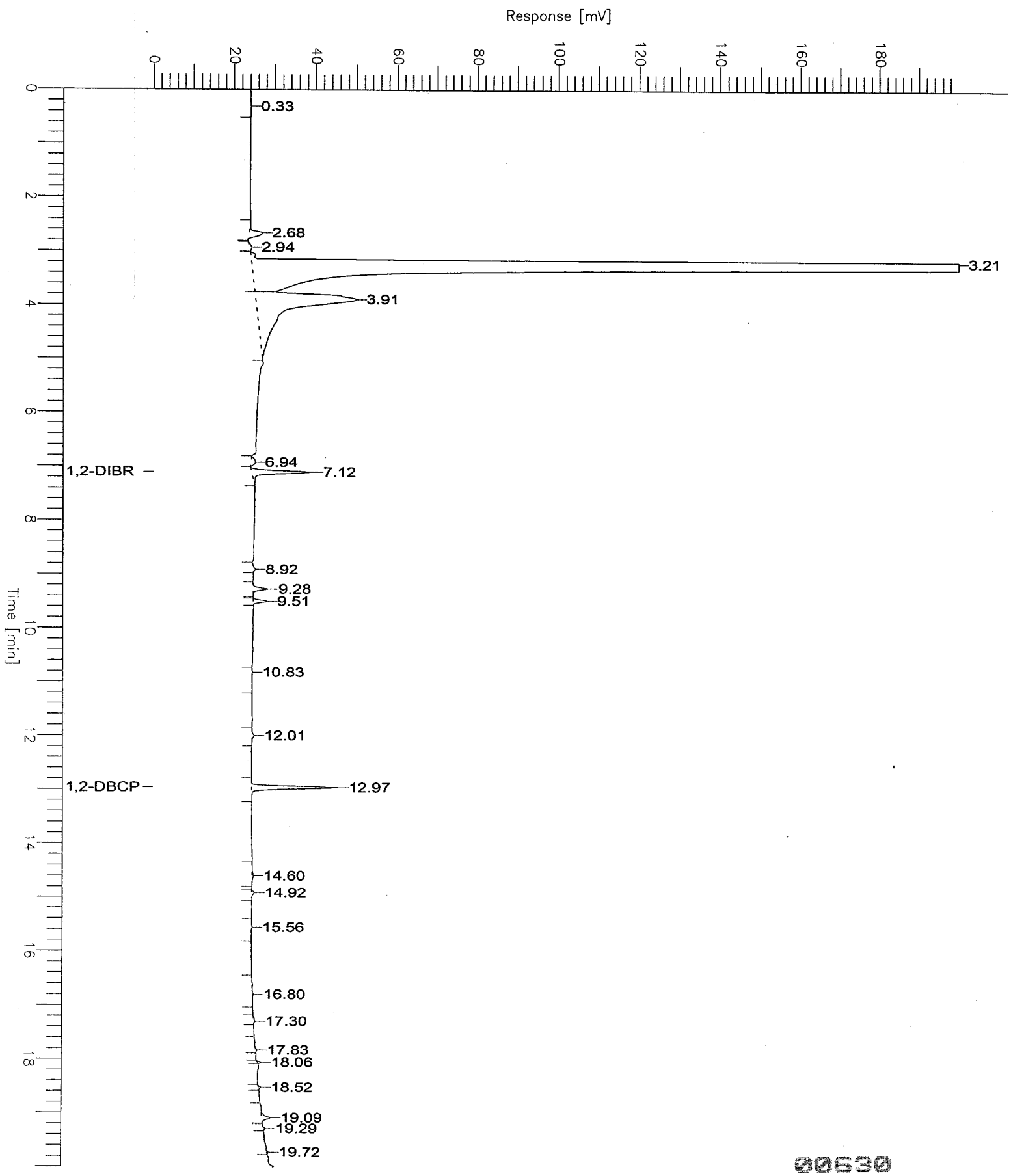
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0059	36827.67	151305.50	35	2	0.33450
11.71	1,2-DIBROMO3CHLOROPR	0.0058	53704.07	195867.00	35	2	0.33218
			90531.74	347172.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL129.TX0

Chromatogram

Sample Name : 1208585-BS1
FileName : C:\TC4\158\JULY2012\BJUL129.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 19:45
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00630

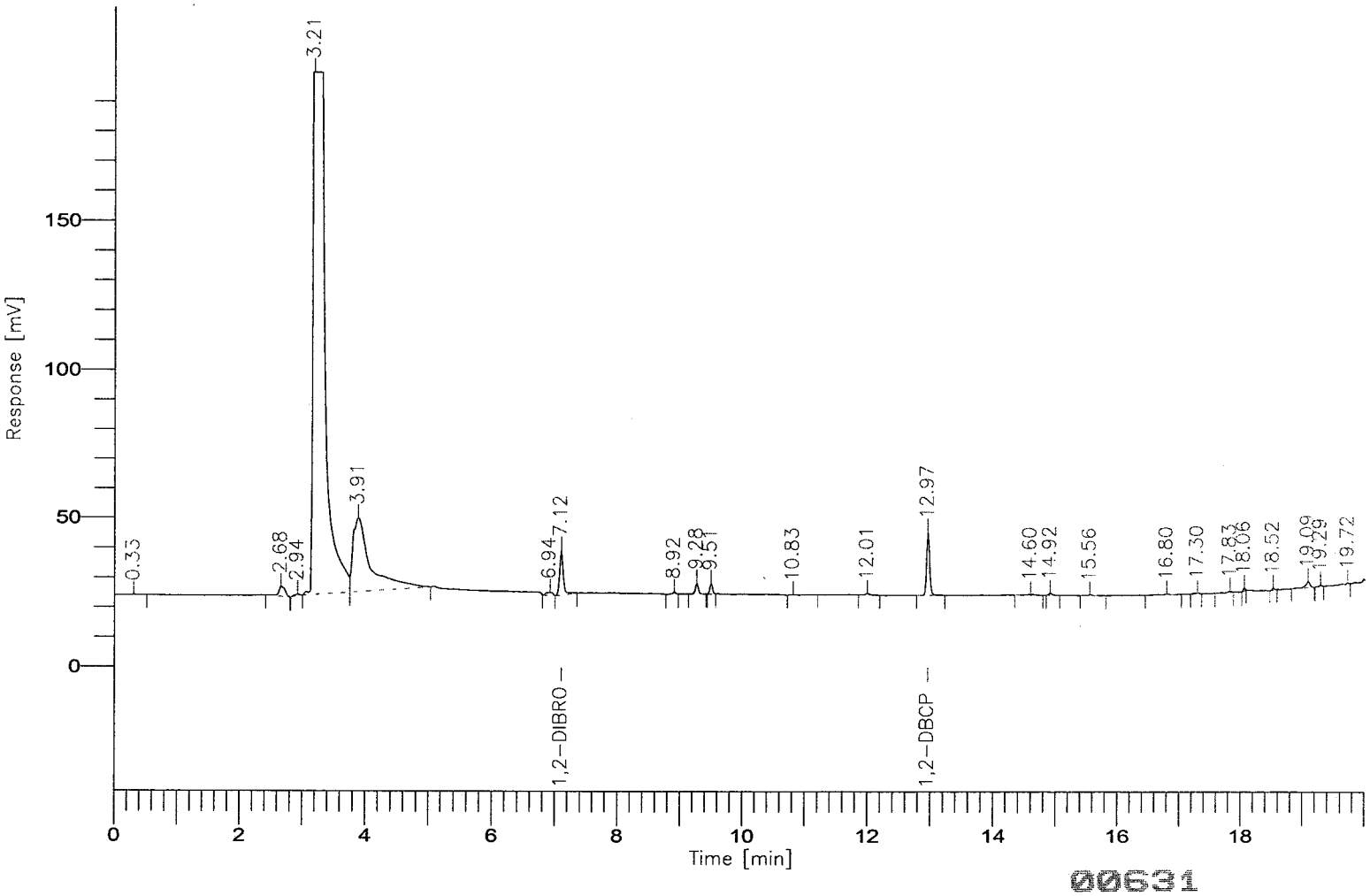
Software Version: 4.1<2F12>
Sample Name : 1208585-BS1 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 19:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL129.RAW
Result File : C:\TC4\158\JULY2012\BJUL129.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL129.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00631

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0059	15081.05	59604.00	35	2	0.33856
12.97	1,2-DBCP (2C)	0.0059	21256.28	70026.00	35	2	0.33500
			36337.33	129630.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL129.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208913-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1208913
Sequence: 2G25008

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.400	125	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

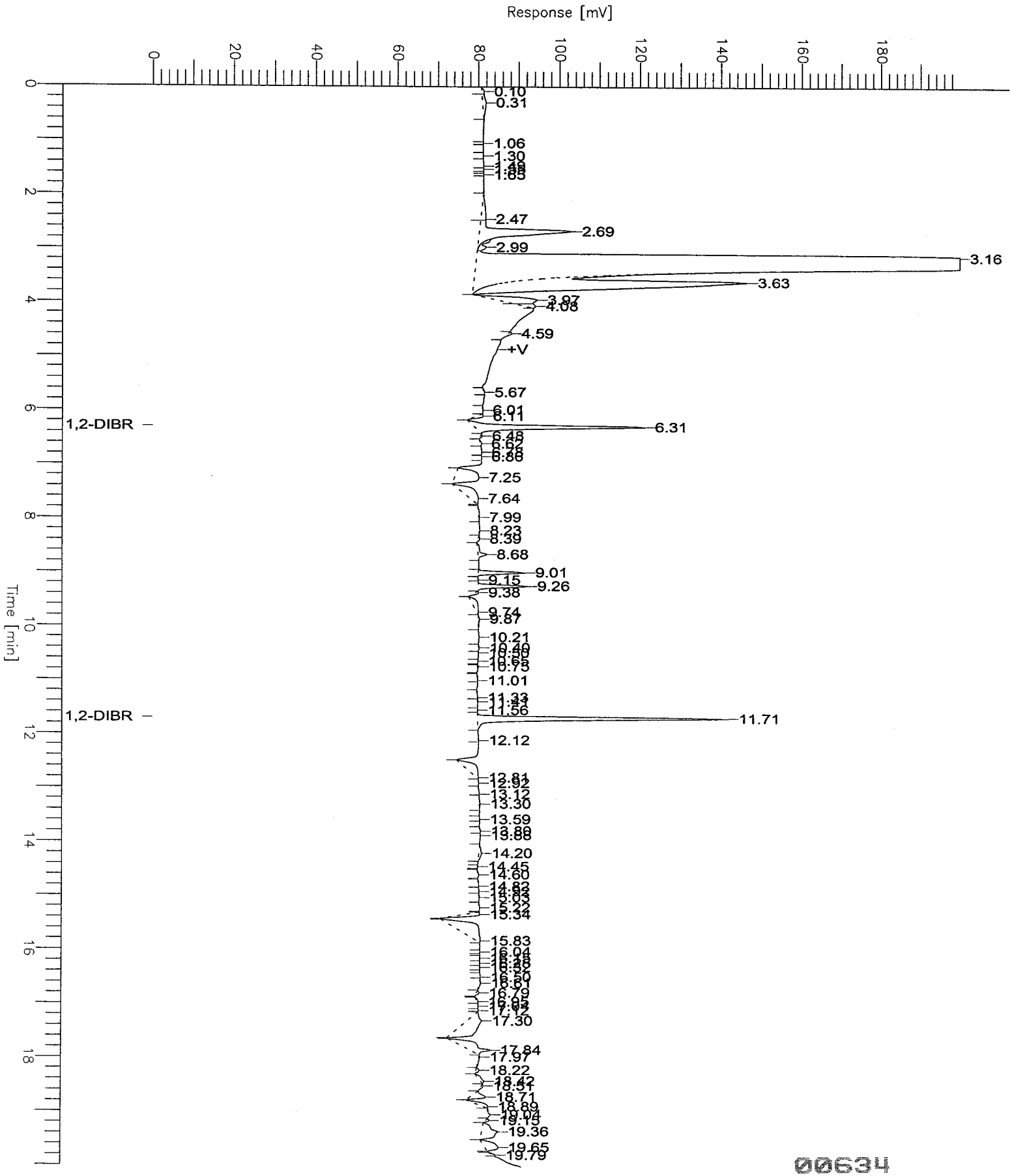
* Values outside of QC limits

00633

Chromatogram

Sample Name : 1208913-BS1
FileName : C:\TC4\158\JULY2012\AJUL223.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 14:21
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00634

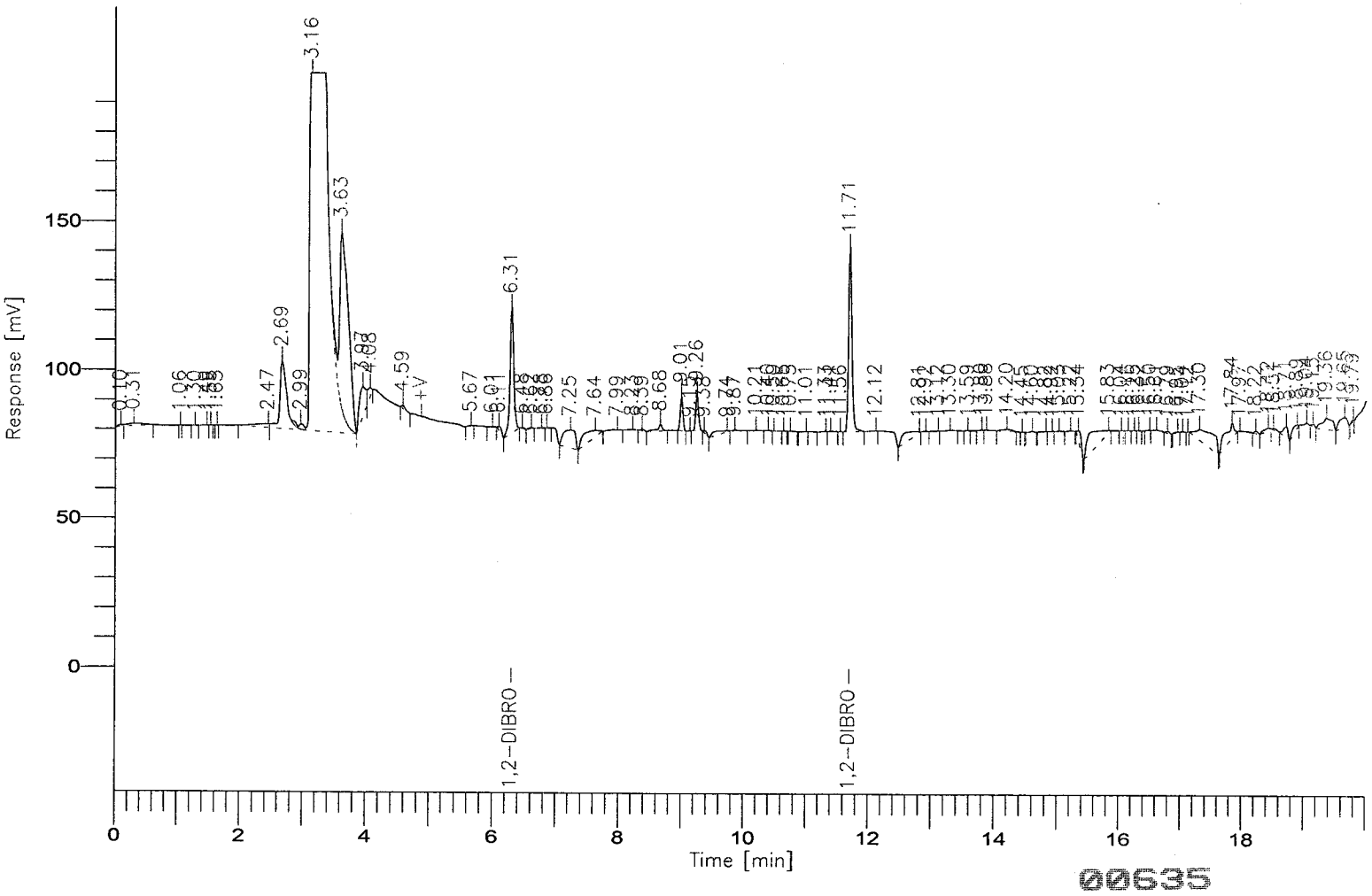
Software Version: 4.1<2F12>
Sample Name : 1208913-BS1 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 14:21
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL223.RAW
Result File : C:\TC4\158\JULY2012\AJUL223.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL223.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.31	1,2-DIBROMOETHANE	0.0070	43223.54	176531.00	35	2	0.39763
11.71	1,2-DIBROMO3CHLOROPR	0.0069	62970.31	231156.00	35	2	0.39146
			106193.85	407687.00			

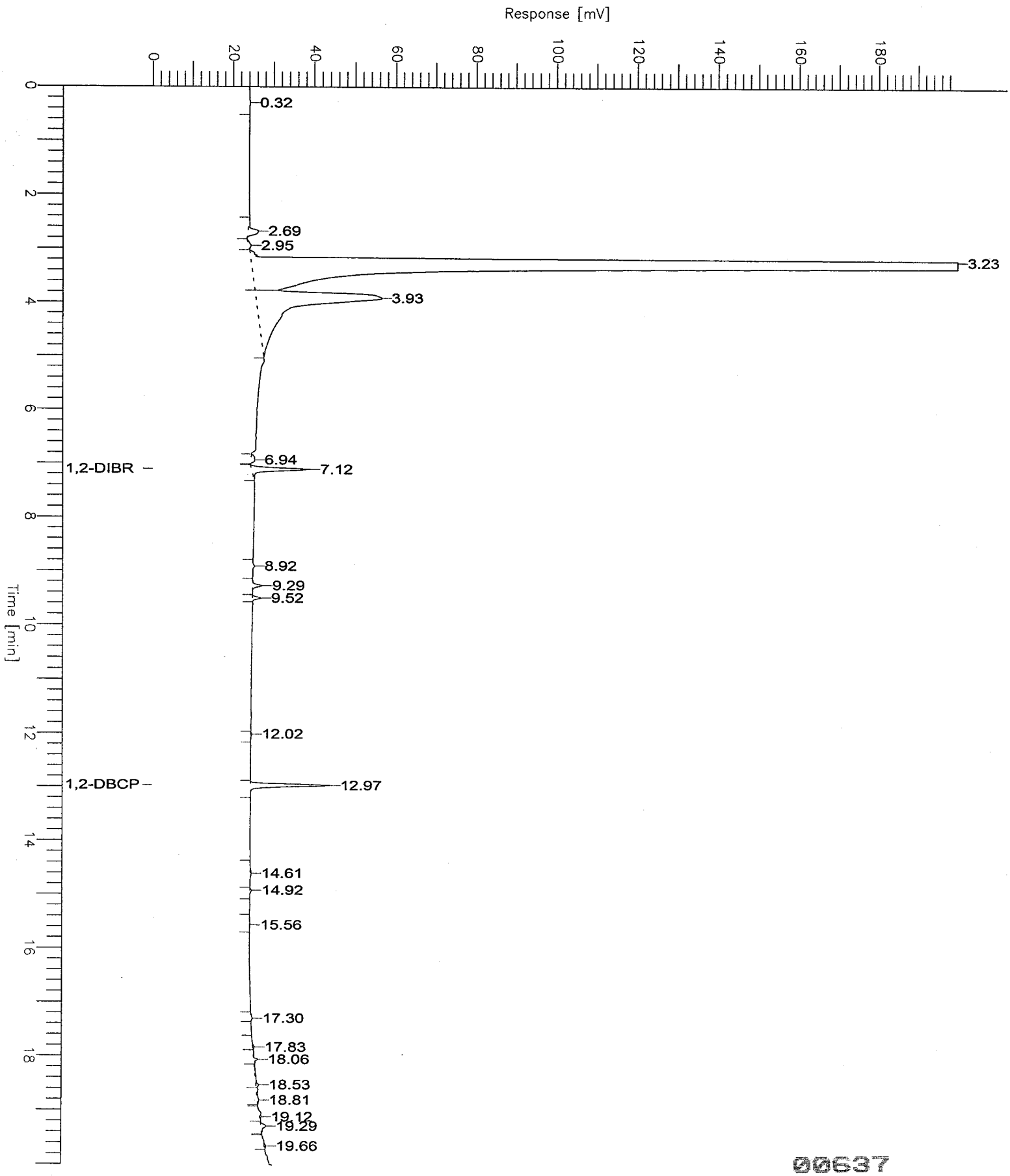
Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL223.TX0

7/26/12

Chromatogram

Sample Name : 1208913-BS1
FileName : C:\TC4\158\JULY2012\BJUL223.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 14:21
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00637

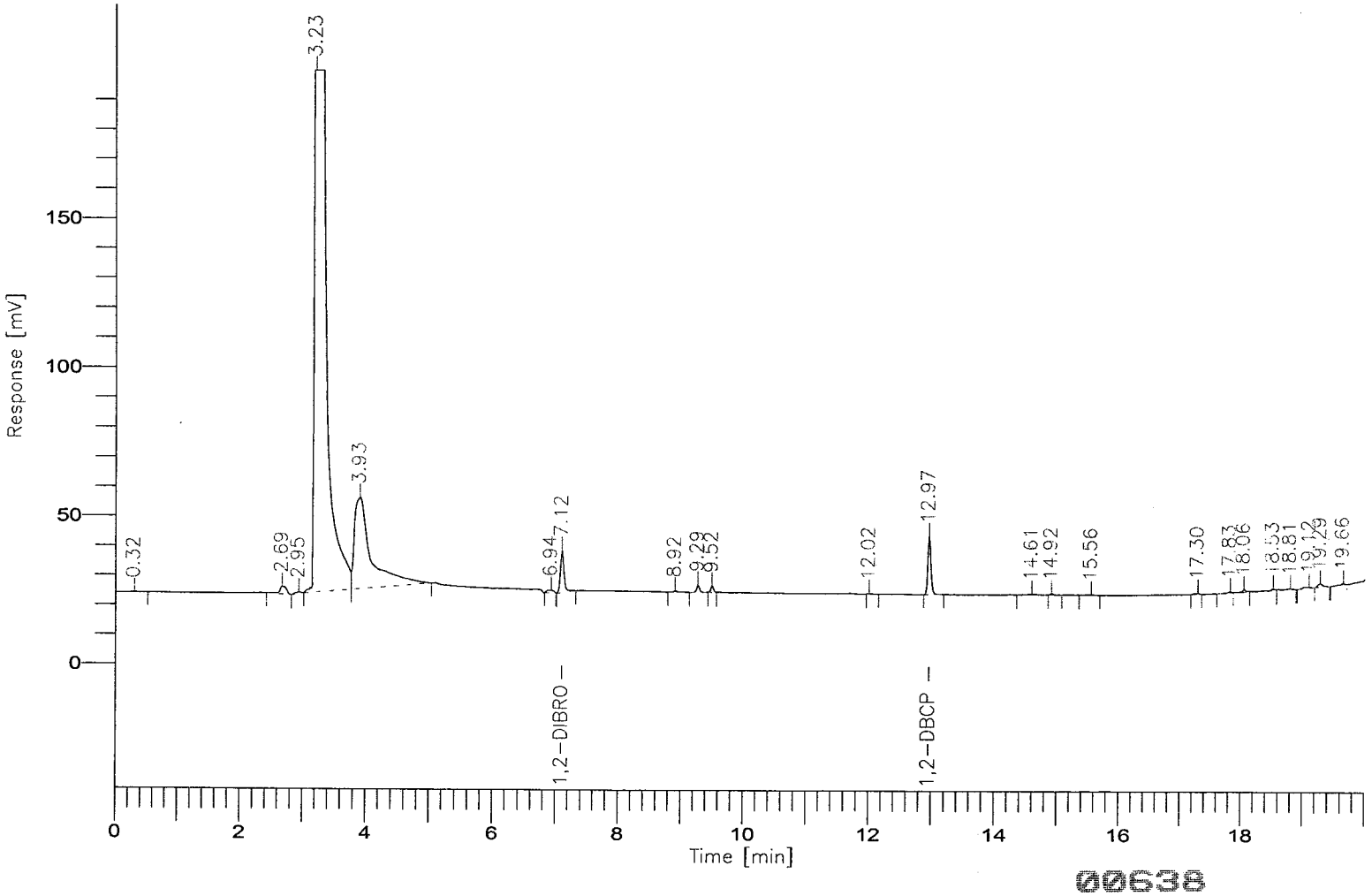
Software Version: 4.1<2F12>
Sample Name : 1208913-BS1 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 14:21
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL223.RAW
Result File : C:\TC4\158\JULY2012\BJUL223.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL223.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00638

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0057	14431.64	55769.00	35	2	0.32292
12.97	1,2-DBCP (2C)	0.0055	19955.71	66591.50	35	2	0.31413
			34387.35	122360.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL223.TX0

LCS / LCS DUPLICATE RECOVERY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1209449

SDG: KNM070512

Project: KNM

Laboratory ID: 1209449-BS1

Preparation: Method-Specific Extraction

Initial/Final: 35 mL / 2 mL

Sequence: 2H06025

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.343	107	60 - 140	ug/L

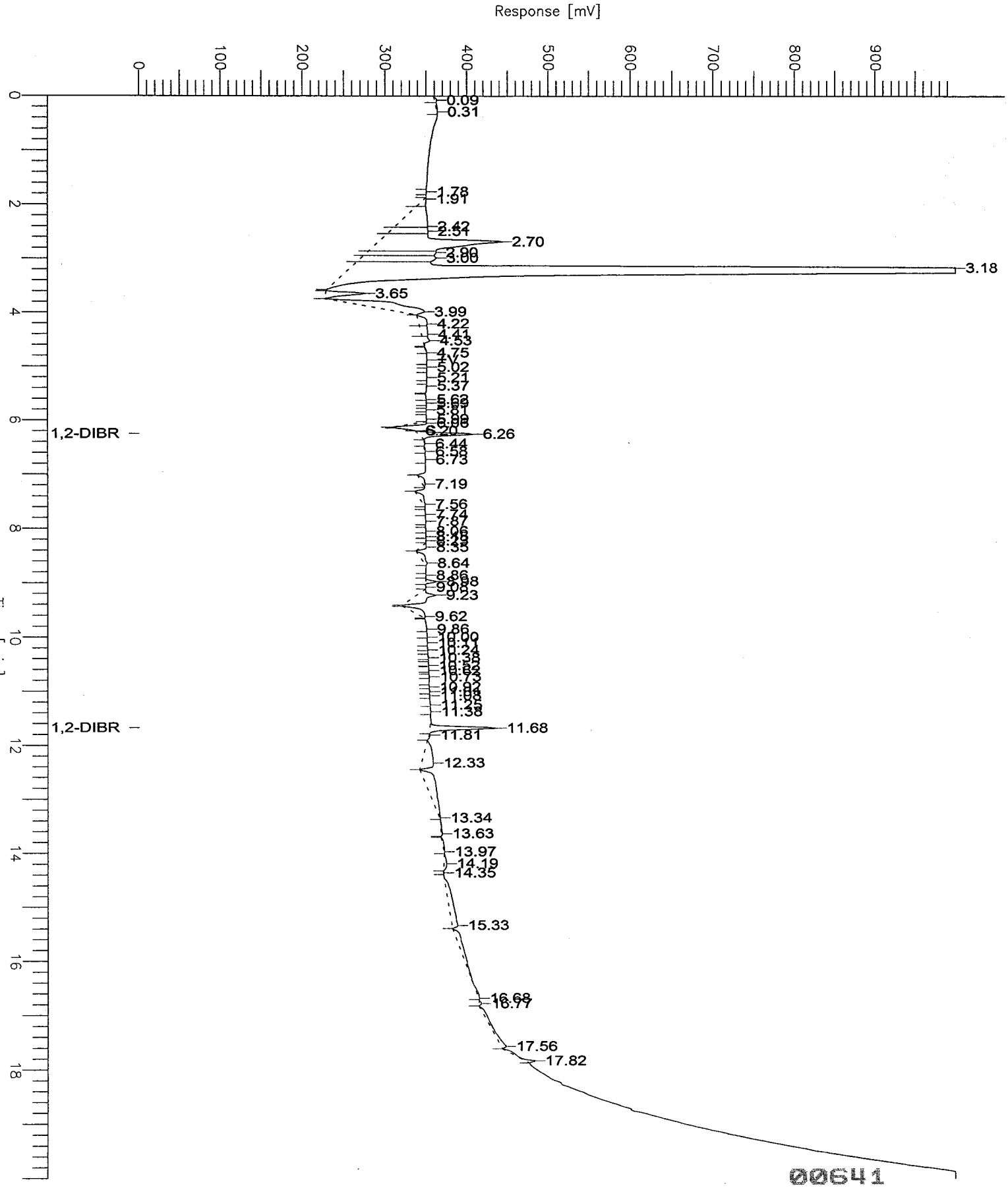
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Chromatogram

Sample Name : 1209449-BS1
FileName : C:\TC4\158\AUG2012\Aaug042.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 14:27
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00641

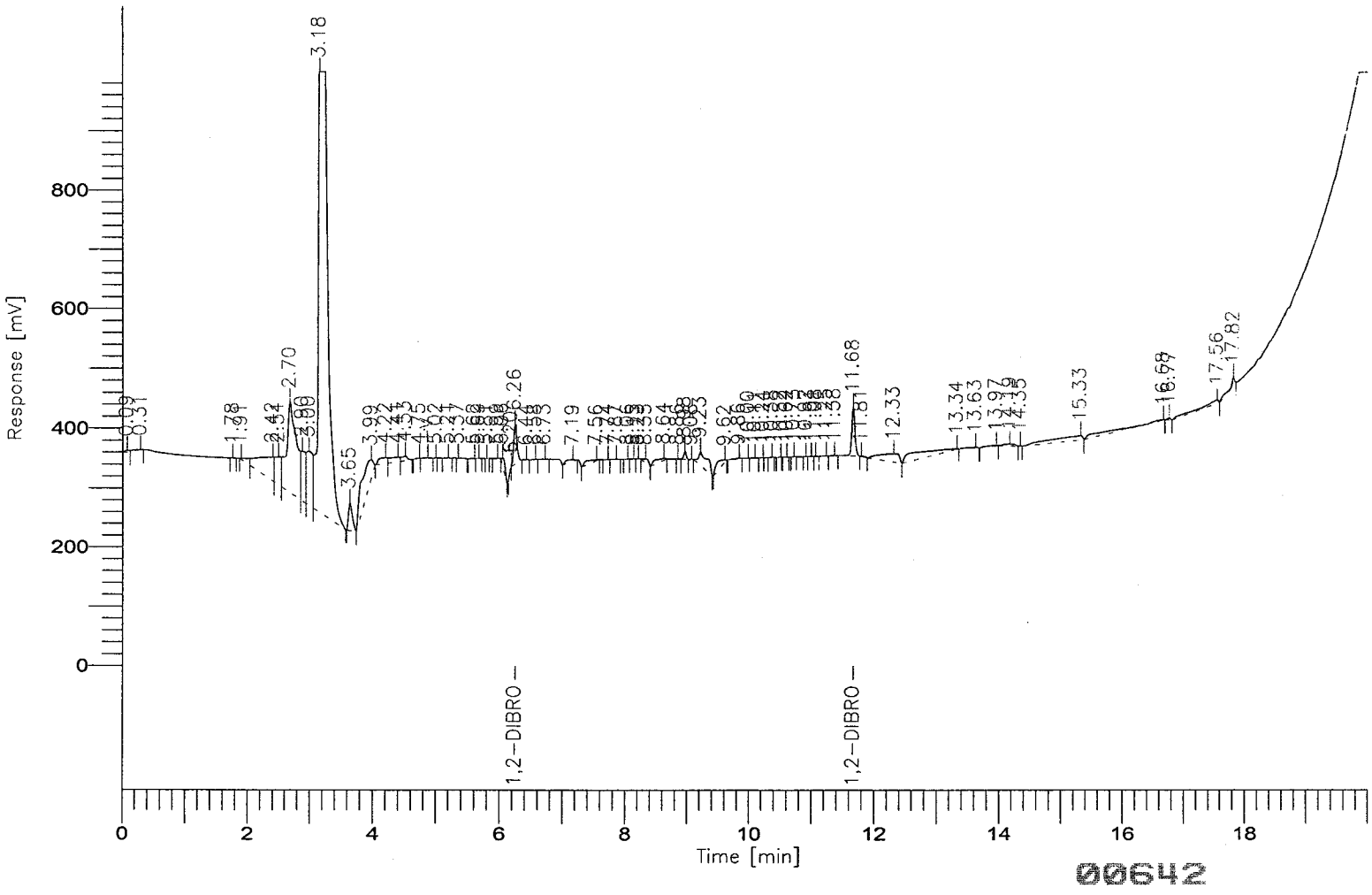
Software Version: 4.1<2F12>
Sample Name : 1209449-BS1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 14:27
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG042.RAW
Result File : C:\TC4\158\AUG2012\AAUG042.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG042.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00642

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0060	67649.59	247091.00	35	2	0.34057
11.68	1,2-DIBROMO3CHLOROPR	0.0053	82696.15	293642.50	35	2	0.30302
			150345.74	540733.50			

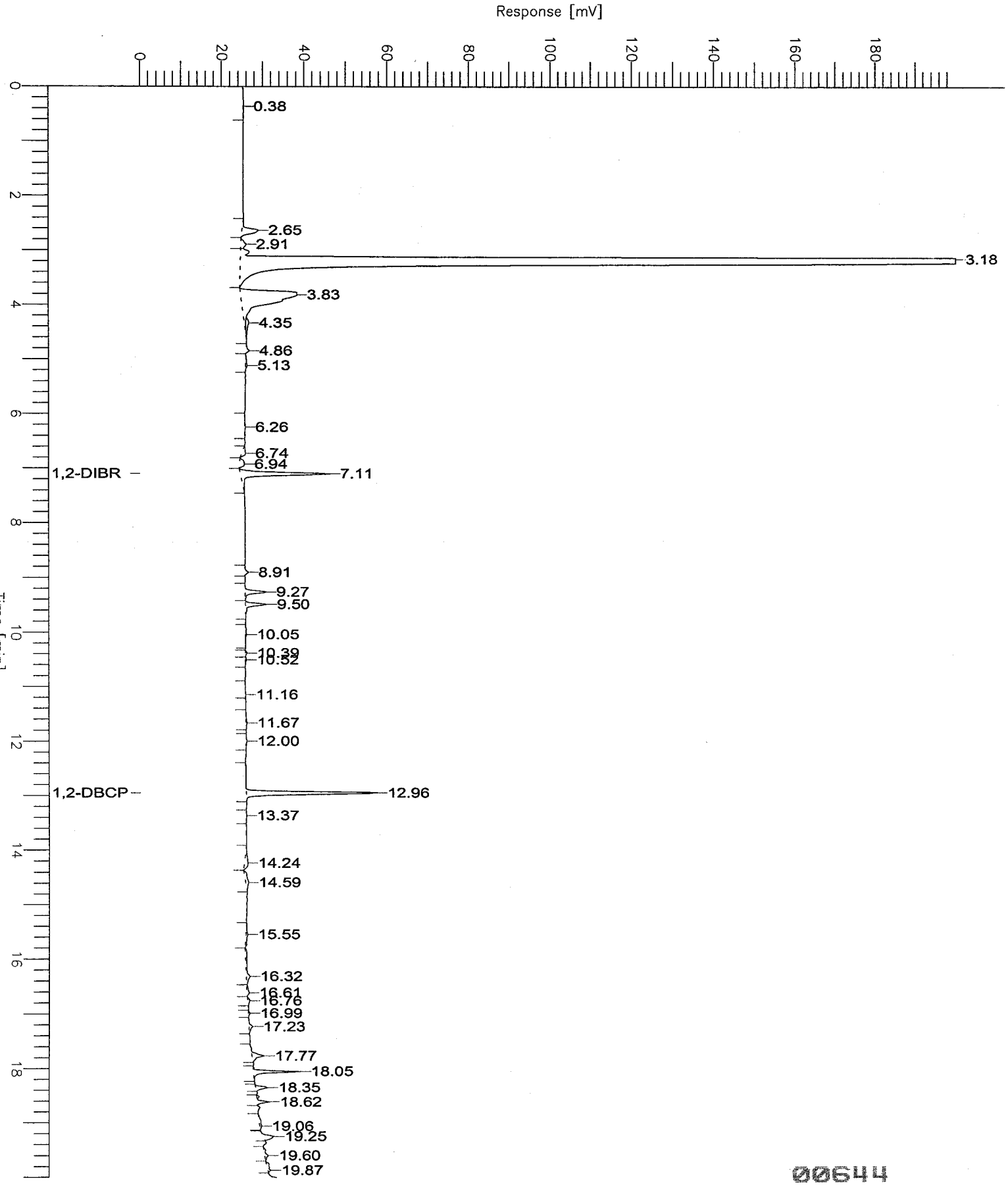
Pass

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG042.TX0

Chromatogram

Sample Name : 1209449-BS1
FileName : C:\TC4\158\AUG2012\Baug042.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 14:27
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00644

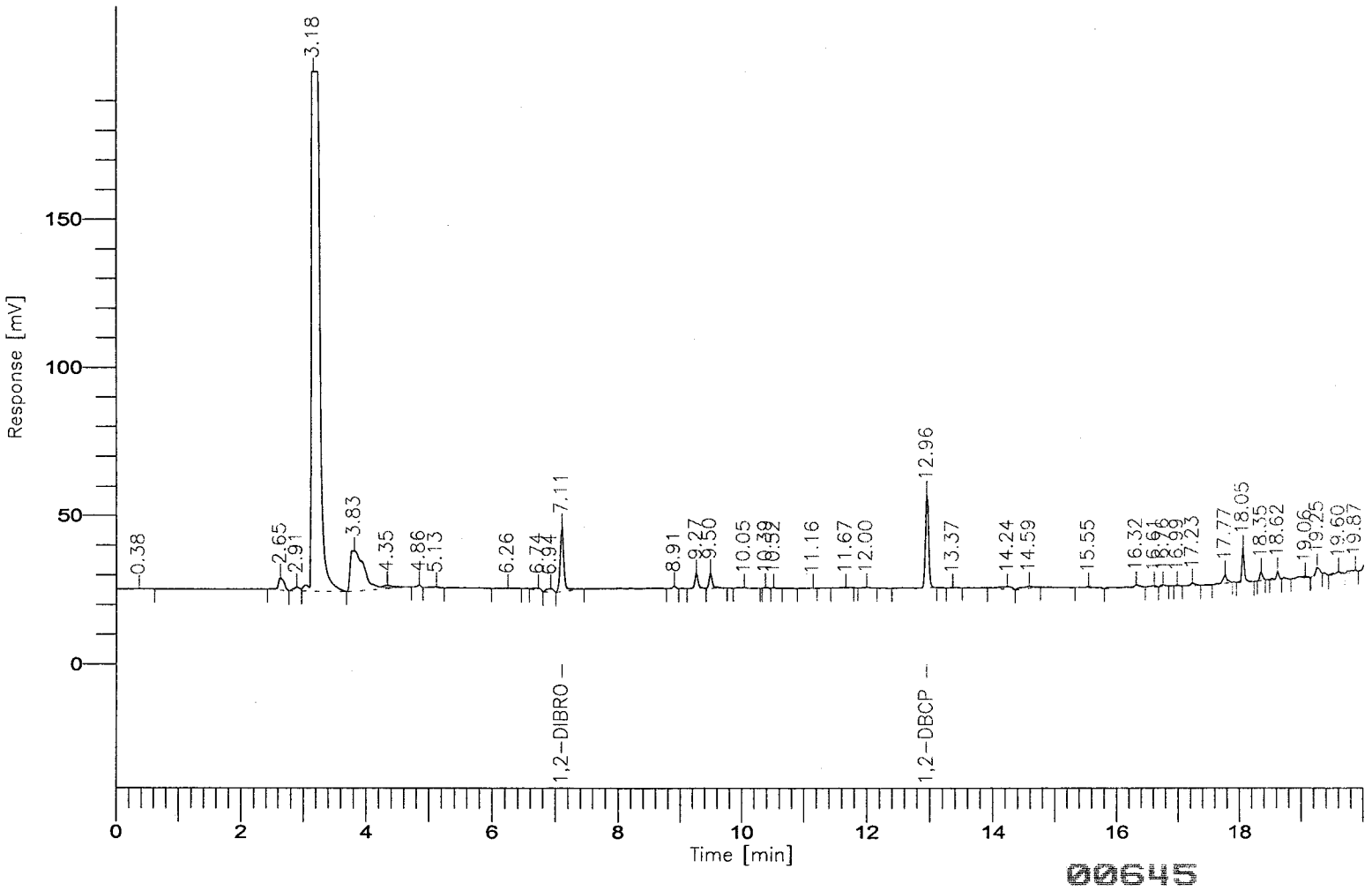
Software Version: 4.1<2F12>
Sample Name : 1209449-BS1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 14:27
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG042.RAW
Result File : C:\TC4\158\AUG2012\BAUG042.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG042.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00645

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0062	21937.78	88790.00	35	2	0.35540 Pass
12.96	1,2-DBCP (2C)	0.0054	32747.87	109862.50	35	2	0.31011
			54685.65	198652.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG042.TX0

LCS / LCS DUPLICATE RECOVERY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1209537

SDG: KNM070512

Project: KNM

Laboratory ID: 1209537-BS1

Preparation: Method-Specific Extraction

Initial/Final: 35 mL / 2 mL

Sequence: 2H06039

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.297	93	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

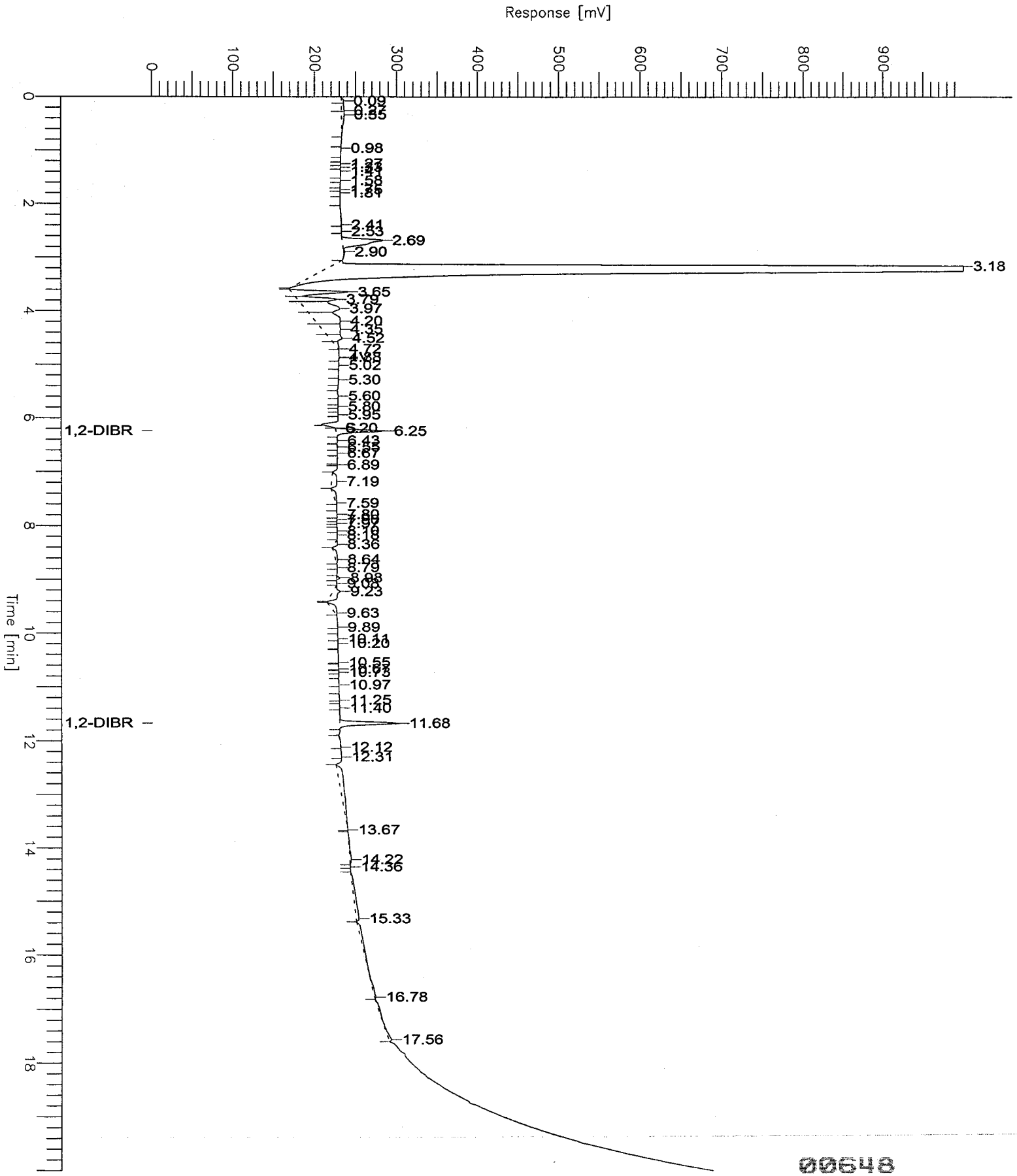
* Values outside of QC limits

00647

Chromatogram

Sample Name : 1209537-BS1
FileName : C:\TC4\158\AUG2012\Aaug062.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:32
Time of Injection: 8/6/12 11:09
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00648

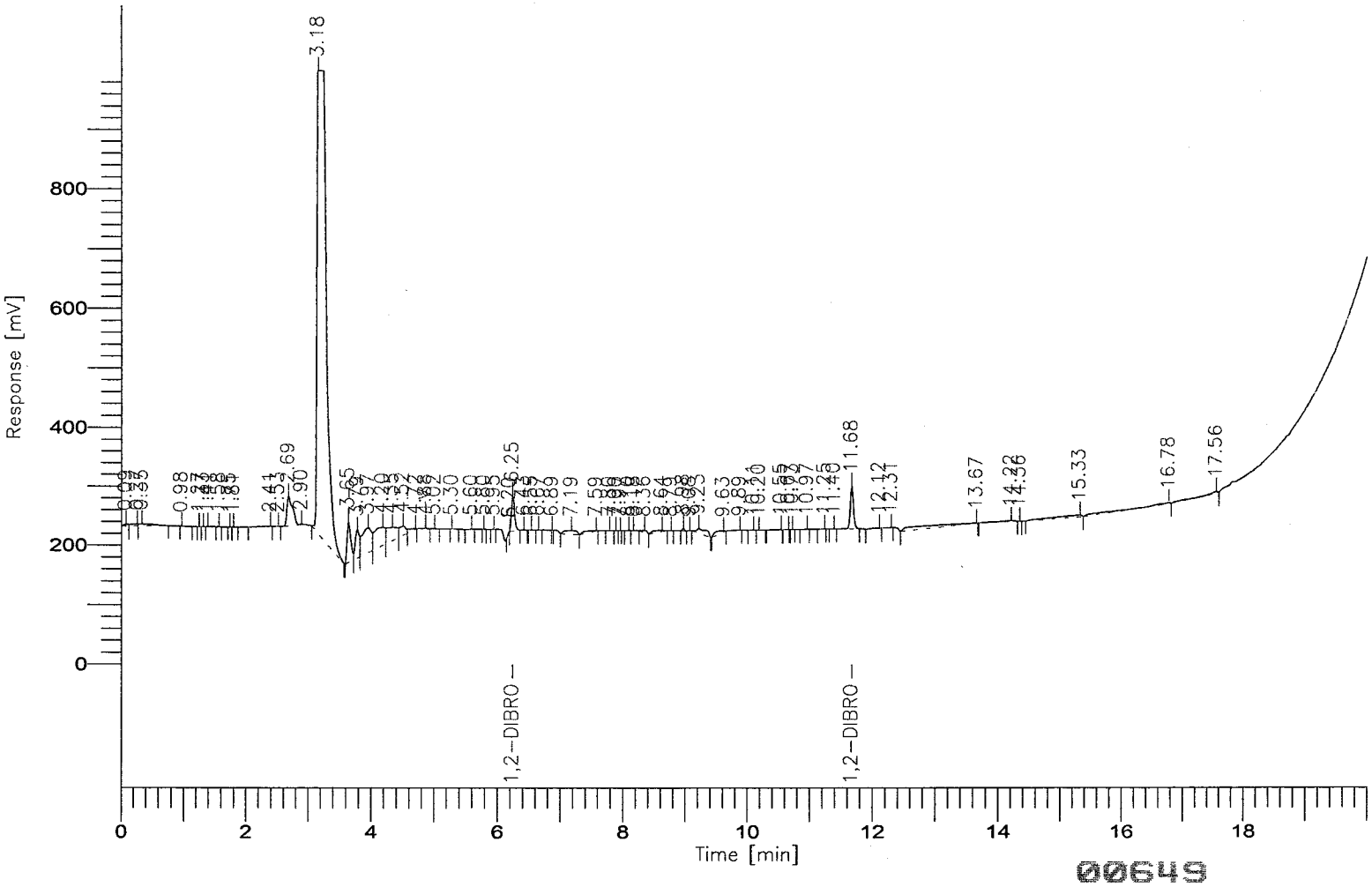
Software Version: 4.1<2F12>
Sample Name : 1209537-BS1 Time : 8/6/12 13:32
Sample Number: Study : 8011
Operator : ~~ABC~~ BDH 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 11:09
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG062.RAW
Result File : C:\TC4\158\AUG2012\AAUG062.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG062.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00649

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

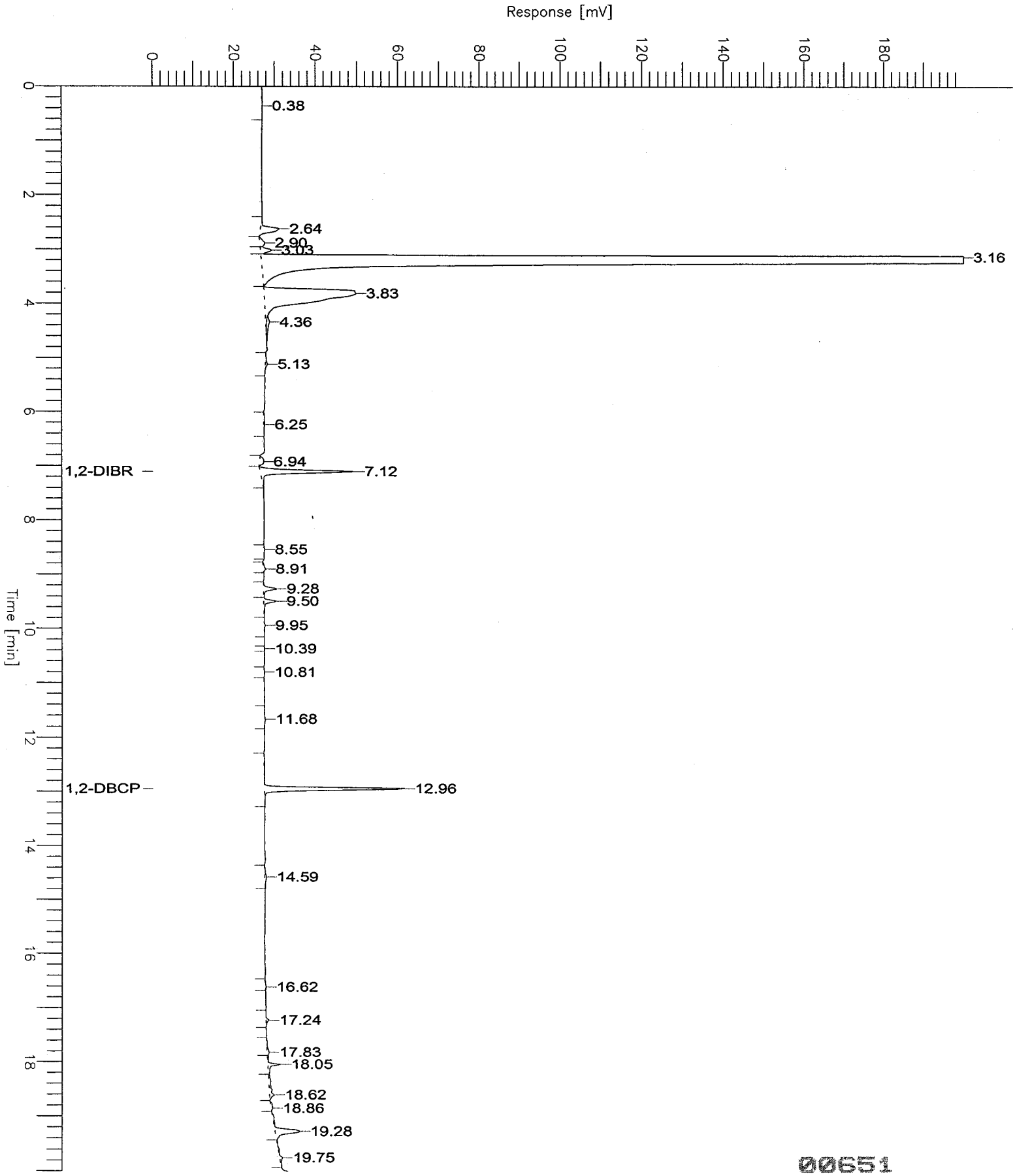
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0052	59651.69	201239.00	35	2	0.29813
11.68	1,2-DIBROMO3CHLOROPR	0.0047	72861.86	253243.00	35	2	0.26698
			132513.55	454482.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG062.TX0

Chromatogram

Sample Name : 1209537-BS1
FileName : C:\TC4\158\AUG2012\Baug062.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:32
Time of Injection: 8/6/12 11:09
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00651

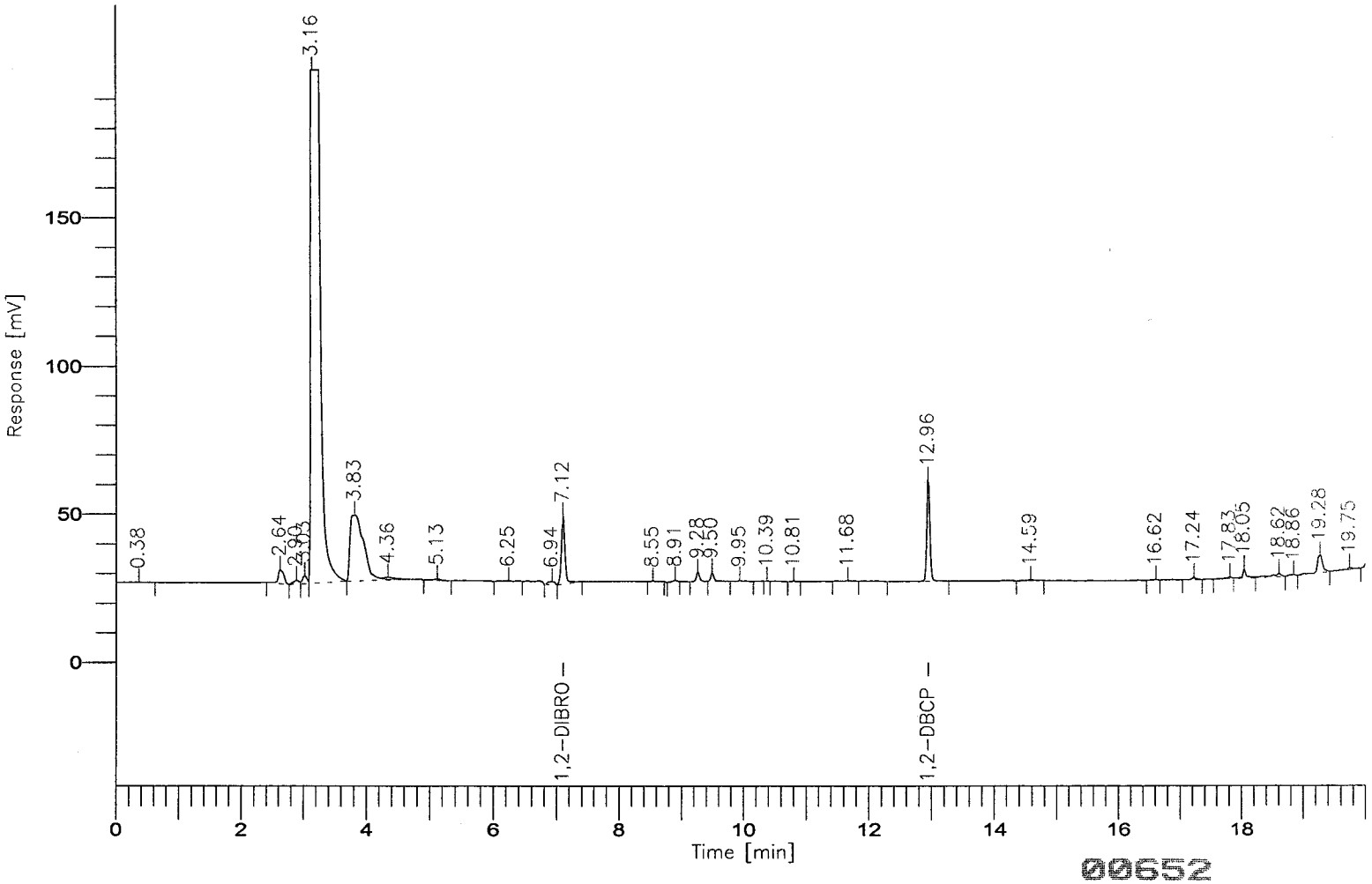
Software Version: 4.1<2F12>
Sample Name : 1209537-BS1 Time : 8/6/12 13:32
Sample Number: Study : 8011
Operator : ~~ASC~~ BGL 8/6/12

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 11:09
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG062.RAW
Result File : C:\TC4\158\AUG2012\BAUG062.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG062.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00652

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0066	23048.40	91035.00	35	2	0.37451
12.96	1,2-DBCP (2C)	0.0058	35262.72	122442.50	35	2	0.33392
			58311.12	213477.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG062.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

QC Batch: 1209921

SDG: KNM070512
Project: KNM
Laboratory ID: 1209921-BS1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2H17033

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.291	91	60 - 140	ug/L

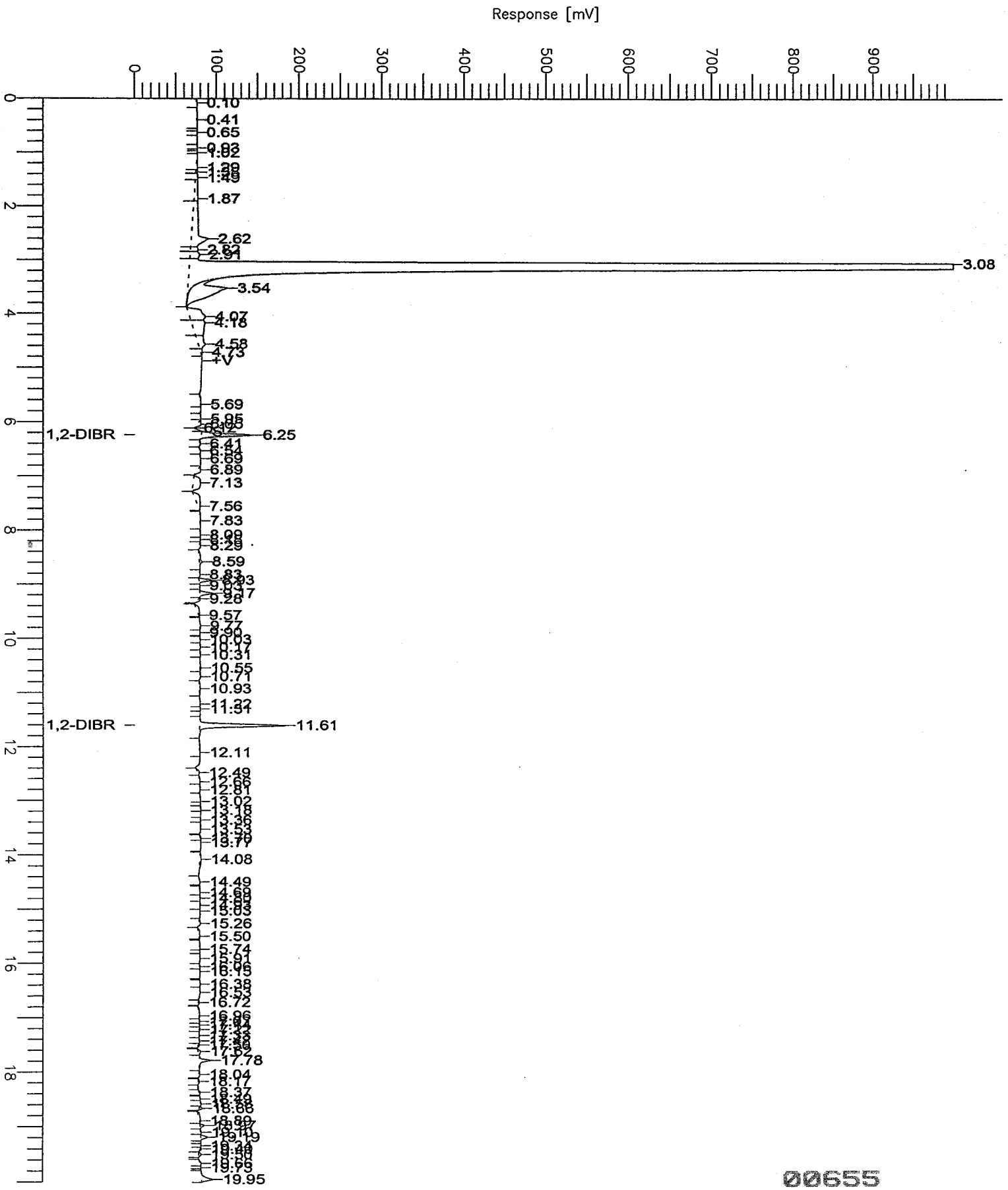
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Chromatogram

Sample Name : 1209922-BS1
FileName : C:\TC4\158\AUG2012\Aaug224.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:58
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00655

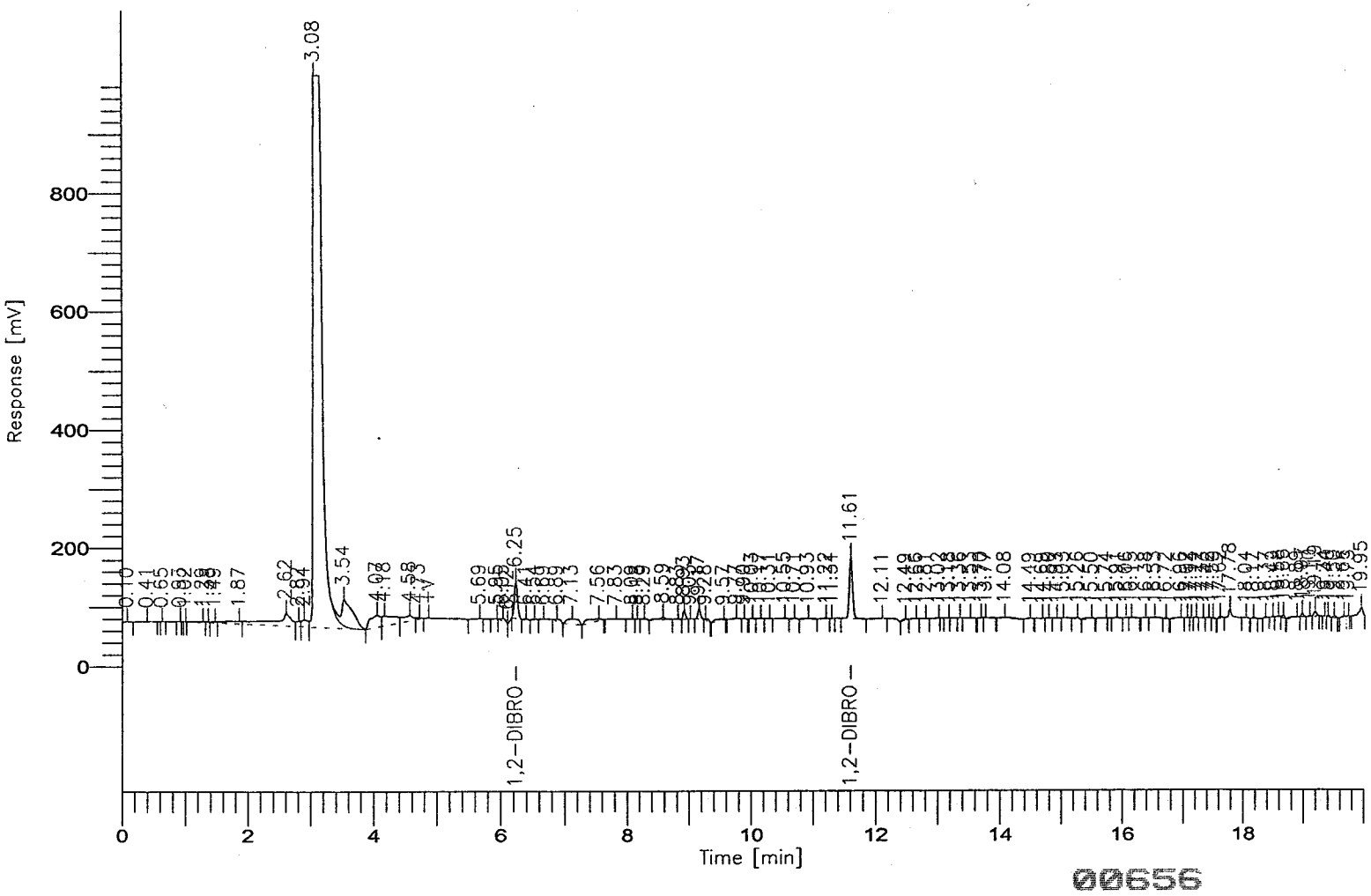
Software Version: 4.1<2F12>
Sample Name : 1209922-BS1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:58
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG224.RAW
Result File : C:\TC4\158\AUG2012\AAUG224.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG224.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00656

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

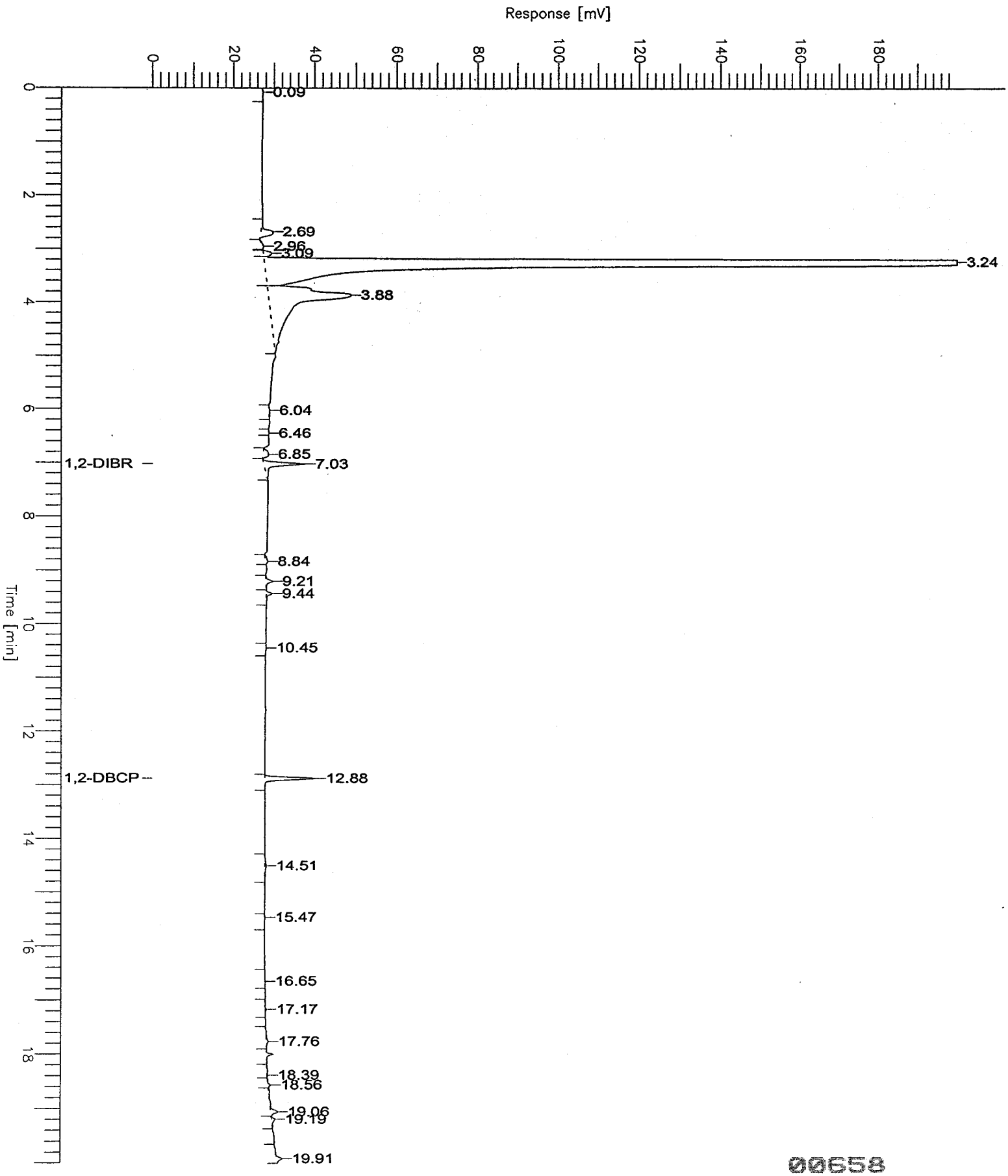
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.25	1,2-DIBROMOETHANE	0.0051	63697.75	214820.50	35	2	0.29157
11.61	1,2-DIBROMO3CHLOROPR	0.0051	106295.22	368601.00	35	2	0.29145
			169992.98	583421.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG224.TX0

Chromatogram

Sample Name : 1209922-BS1
FileName : C:\TC4\158\AUG2012\Baug224.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 14:58
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00658

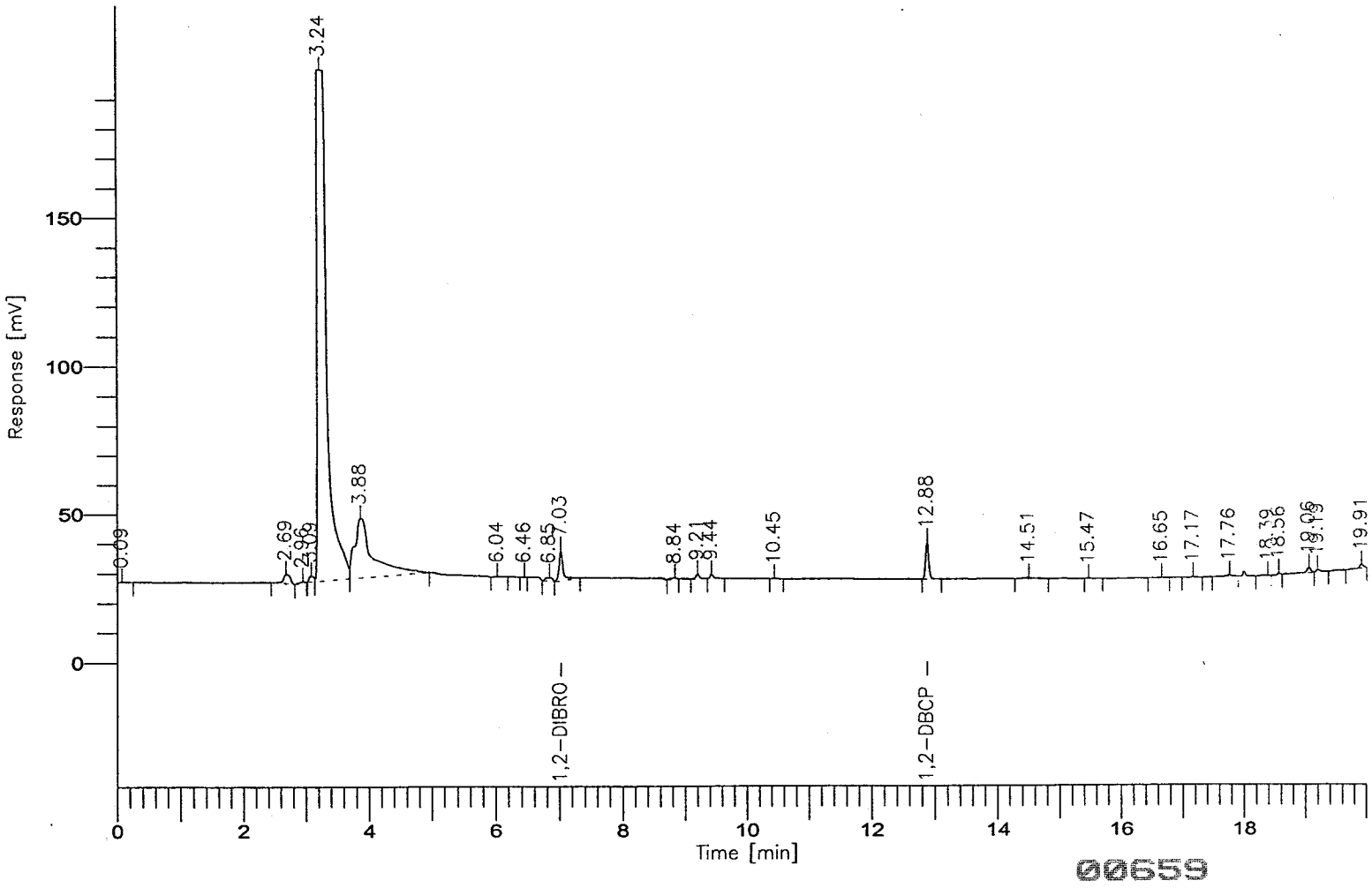
Software Version: 4.1<2F12>
Sample Name : 1209922-BS1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 14:58
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG224.RAW
Result File : C:\TC4\158\AUG2012\BAUG224.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG224.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00659

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.03	1,2-DIBROMOETHANE (2	0.0052	10299.39	45799.00	35	2	0.29962
12.88	1,2-DBCP (2C)	0.0050	12716.16	42114.00	35	2	0.28471
			23015.56	87913.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG224.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208585-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL

QC Batch: 1208585
Sequence: 2G17011

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.331	104	2	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

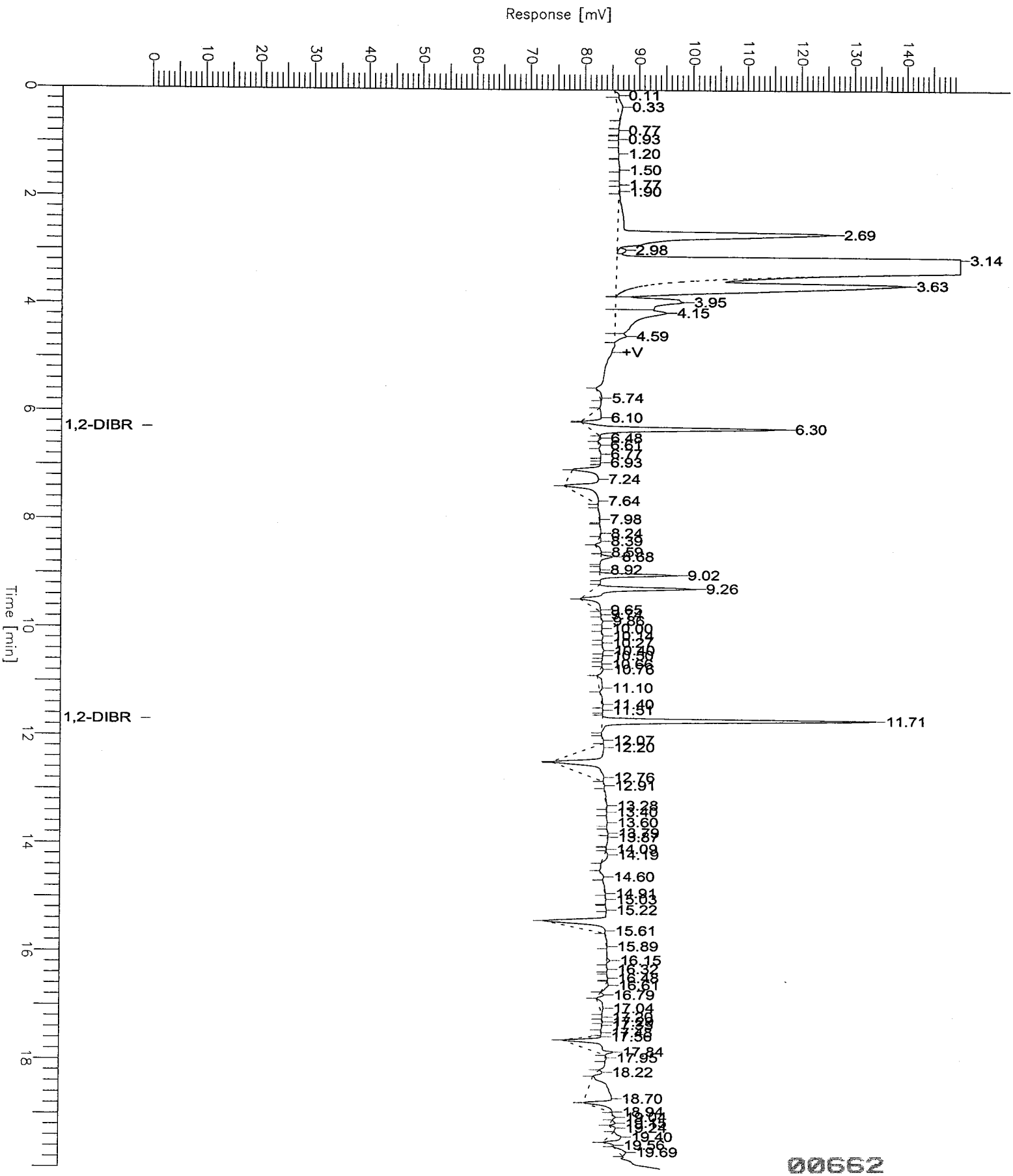
* Values outside of QC limits

00661

Chromatogram

Sample Name : 1208585-BSD1
FileName : C:\TC4\158\JULY2012\AJUL130.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 20:14
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00662

Software Version: 4.1<2F12>
Sample Name : 1208585-BSD1
Sample Number:
Operator : BJH

Time : 7/17/12 08:34
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

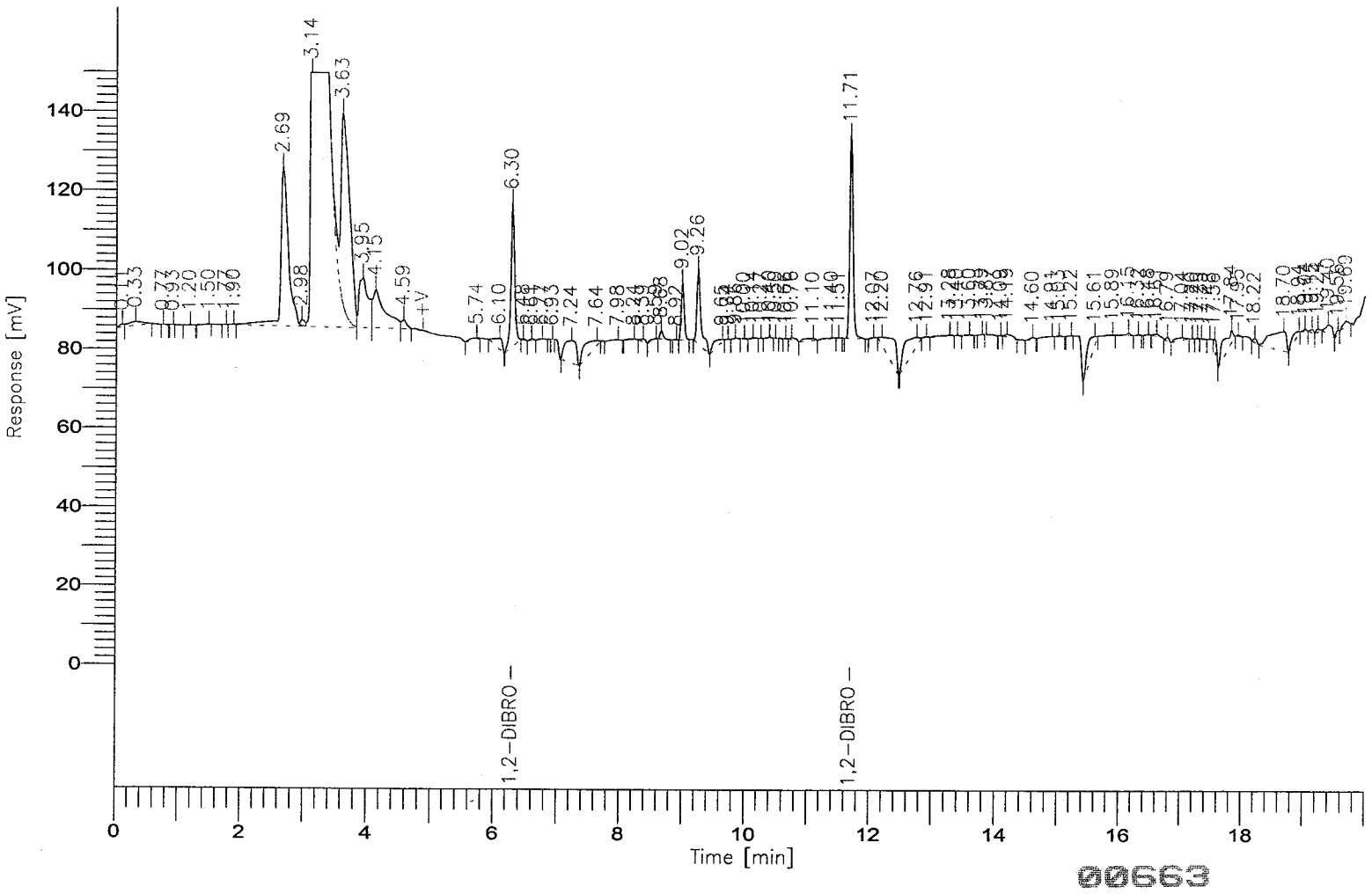
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 20:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL130.RAW
Result File : C:\TC4\158\JULY2012\AJUL130.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL130.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00663

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

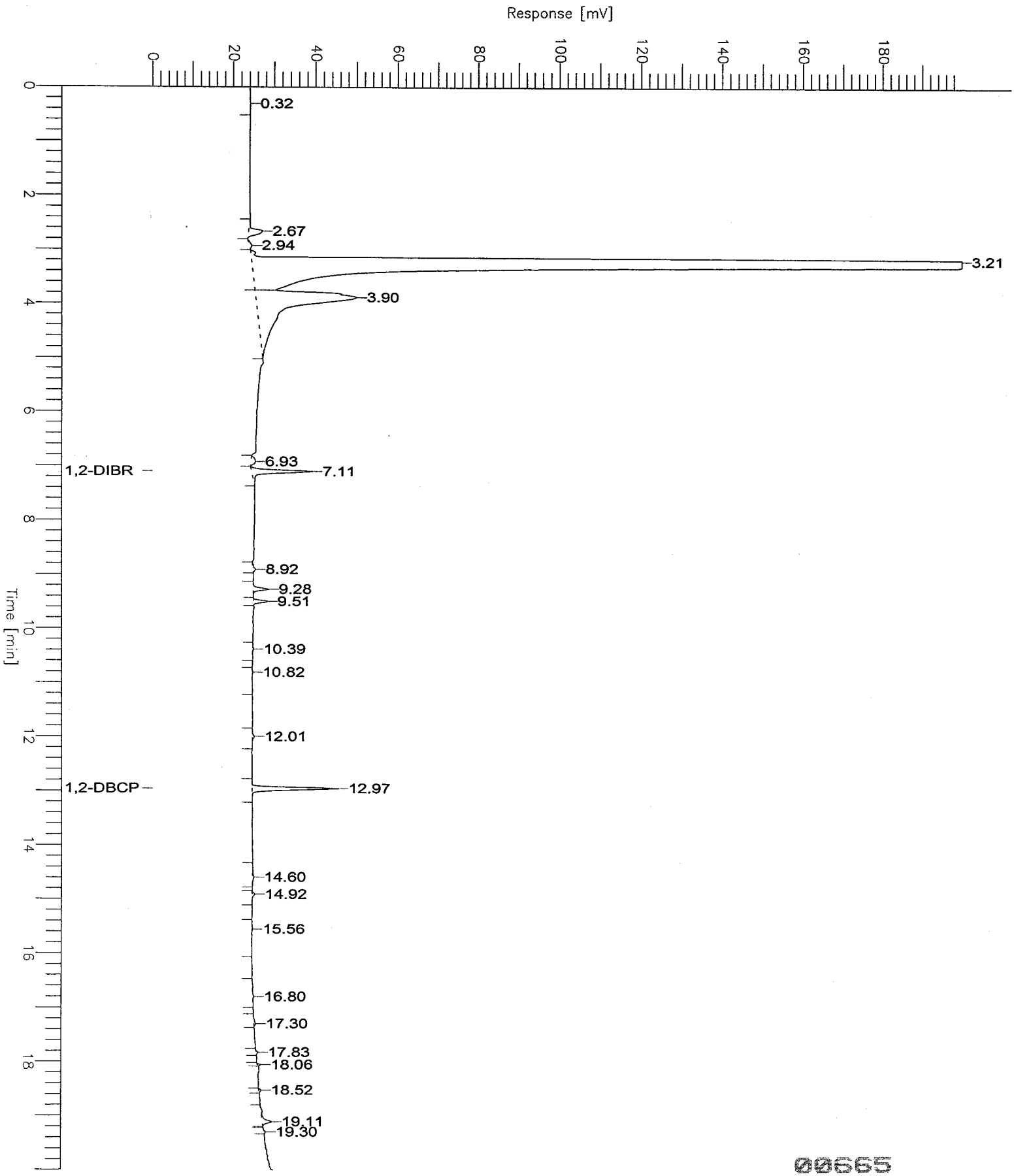
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.30	1,2-DIBROMOETHANE	0.0058	36540.78	149234.50	35	2	0.33167
11.71	1,2-DIBROMO3CHLOROPR	0.0057	52904.63	191521.00	35	2	0.32706
			89445.41	340755.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL130.TX0

Chromatogram

Sample Name : 1208585-BSD1
FileName : C:\TC4\158\JULY2012\BJUL130.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/17/12 08:18
Time of Injection: 7/16/12 20:14
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00665

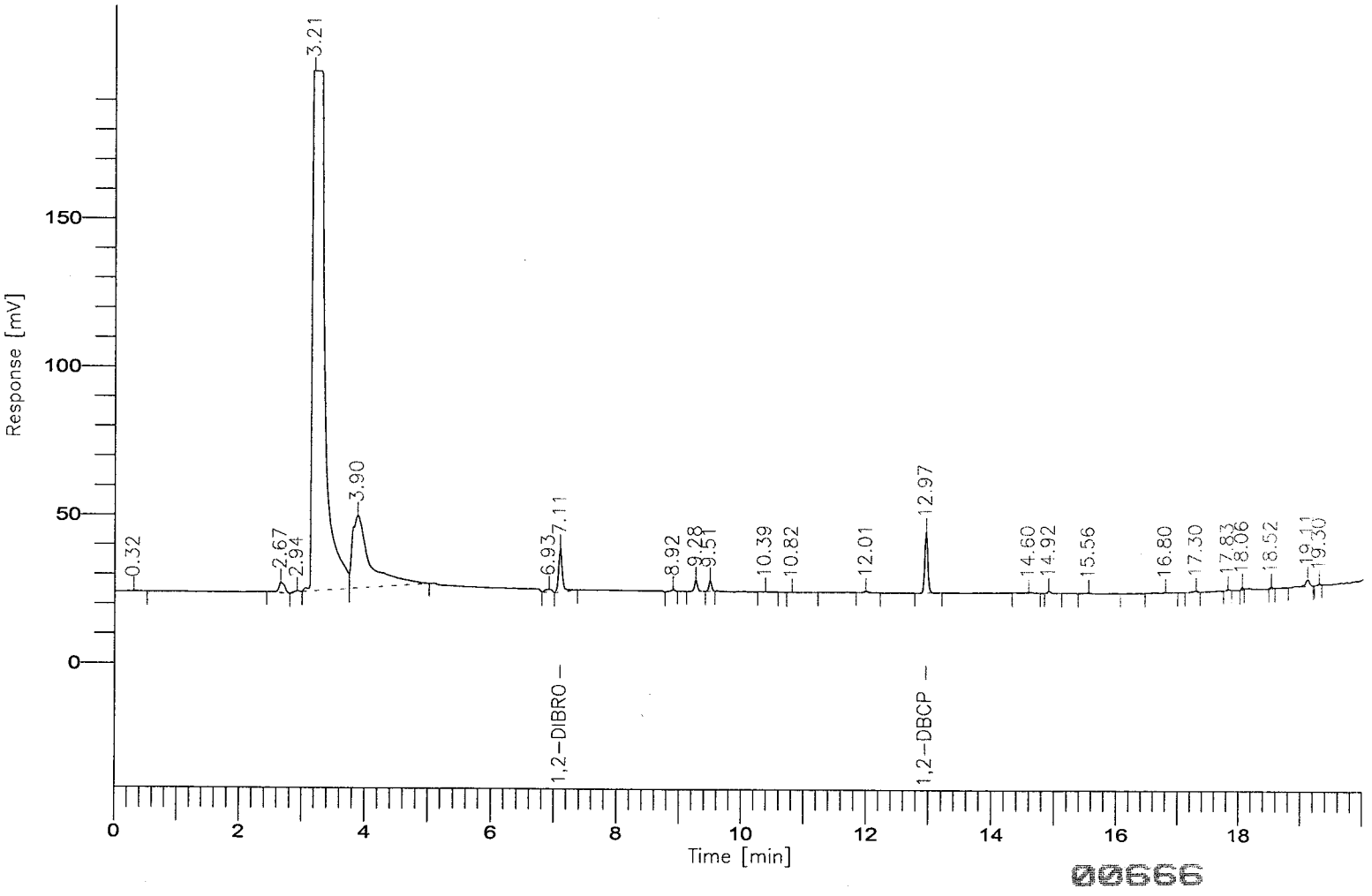
Software Version: 4.1<2F12>
Sample Name : 1208585-BSD1 Time : 7/17/12 08:18
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 20:14
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL130.RAW
Result File : C:\TC4\158\JULY2012\BJUL130.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL130.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00666

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.11	1,2-DIBROMOETHANE (2	0.0059	14913.65	60178.00	35	2	0.33453
12.96	1,2-DBCP (2C)	0.0058	20946.29	69170.00	35	2	0.33002
			35859.94	129348.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL130.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1208913-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2G25008

QC Batch: 1208913

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.406	127	1	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

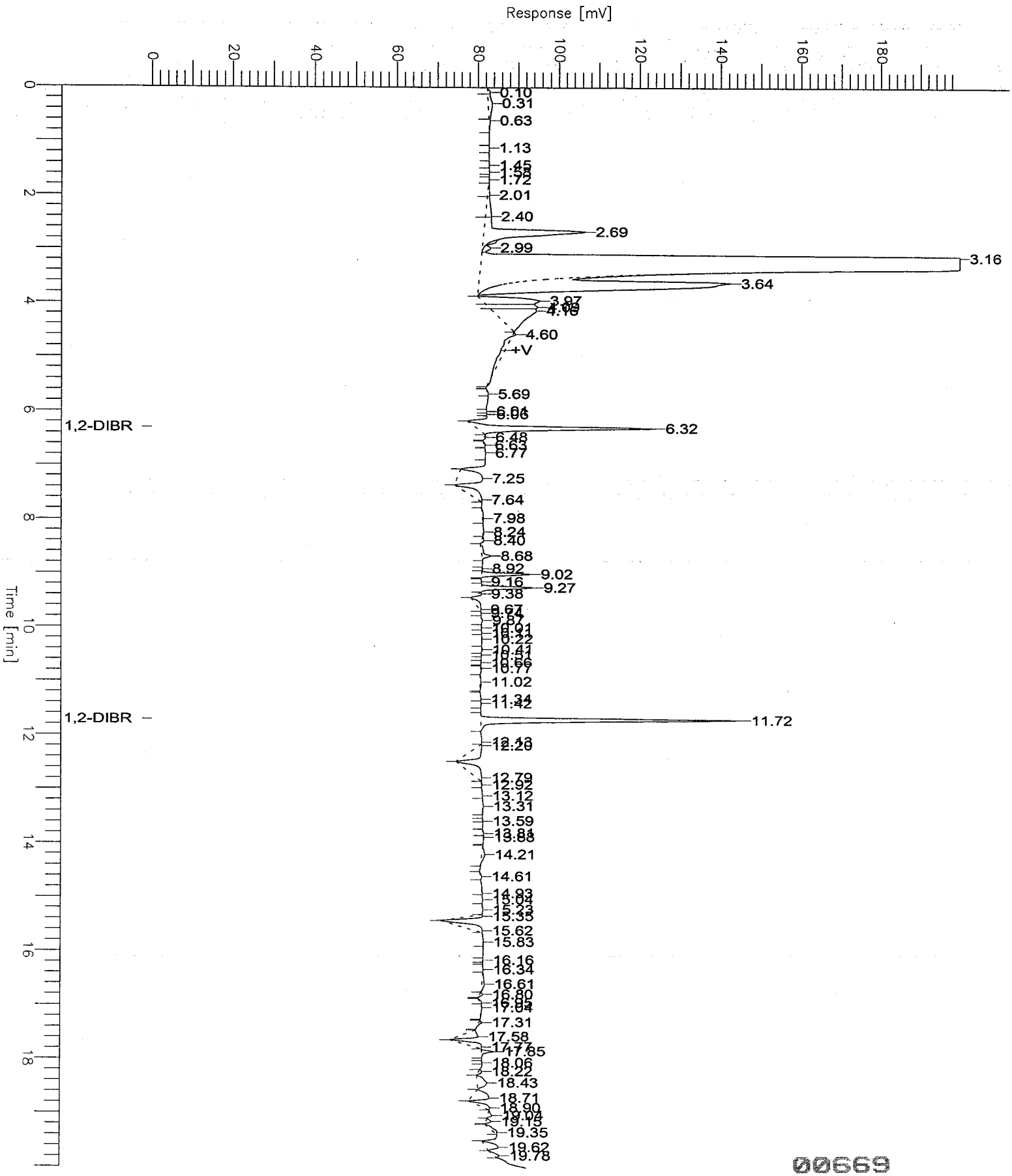
* Values outside of QC limits

00668

Chromatogram

Sample Name : 1208913-BSD1
FileName : C:\TC4\158\JULY2012\AJUL224.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 14:51
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00669

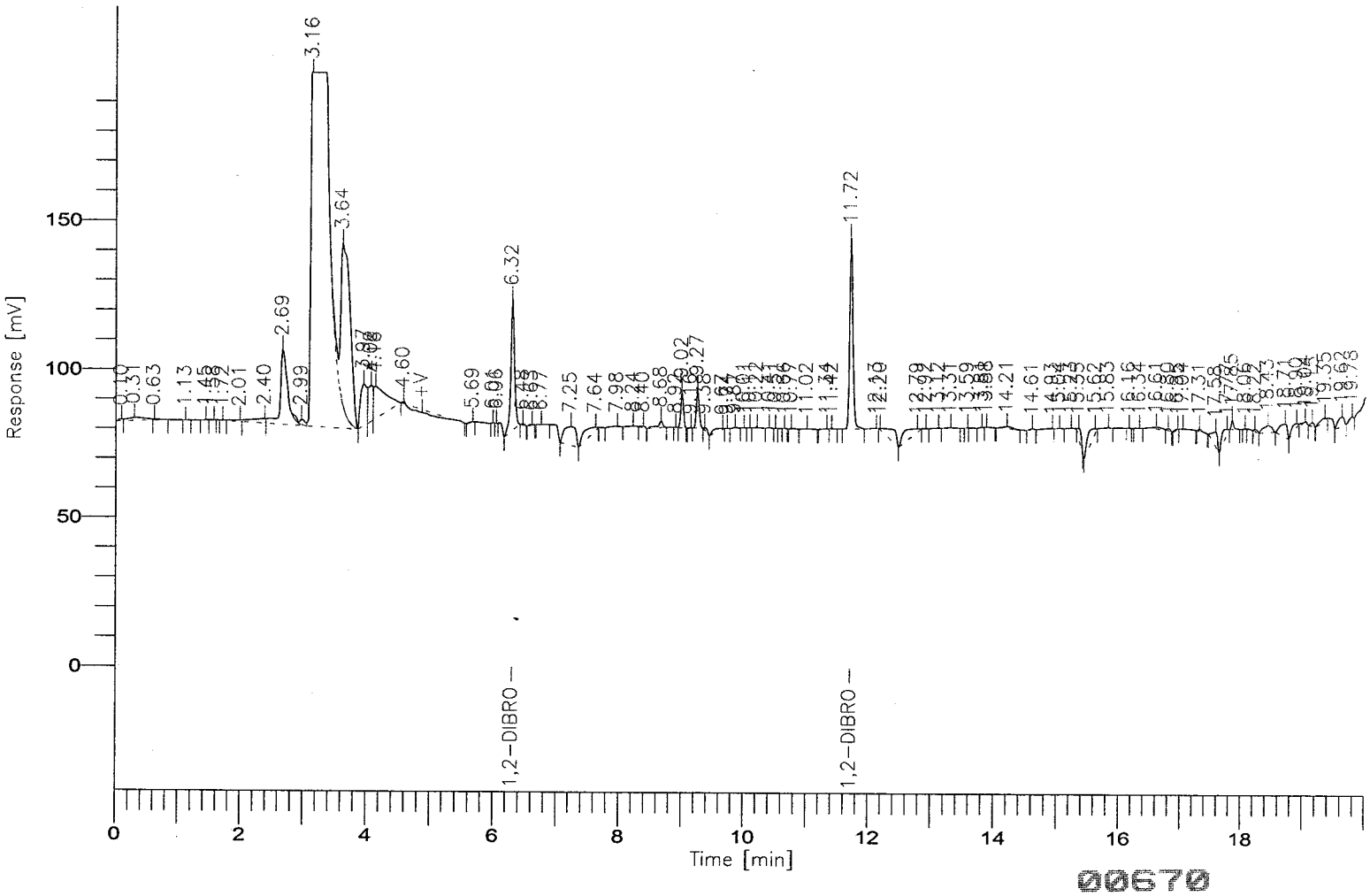
Software Version: 4.1<2F12>
Sample Name : 1208913-BSD1 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 14:51
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL224.RAW
Result File : C:\TC4\158\JULY2012\AJUL224.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL224.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00670

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.32	1,2-DIBROMOETHANE	0.0071	44326.67	184015.50	35	2	0.40852
11.72	1,2-DIBROMO3CHLOROPR	0.0071	65058.39	237047.50	35	2	0.40482
			109385.06	421063.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL224.TX0

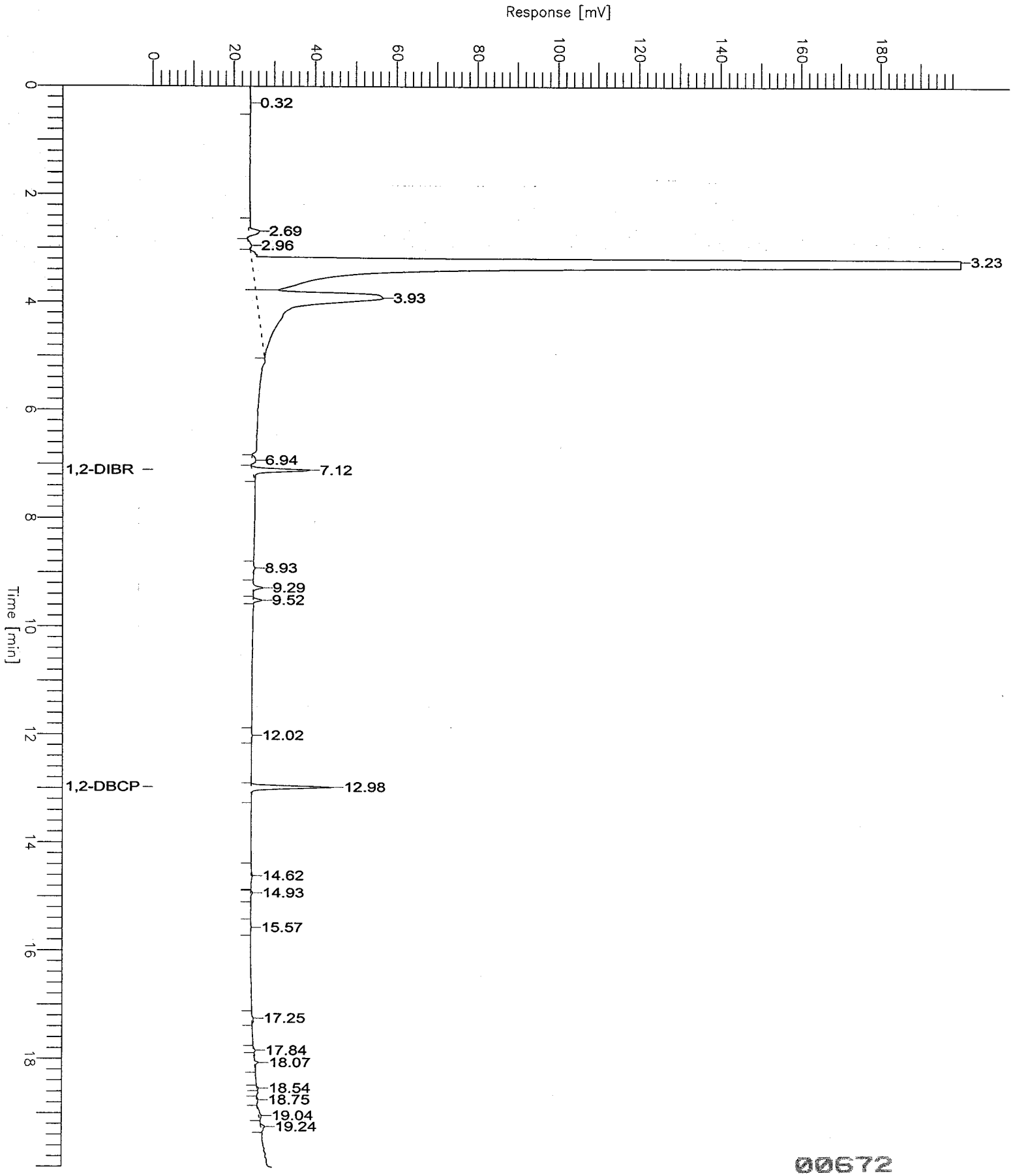
7/26/12

00671

Chromatogram

Sample Name : 1208913-BSD1
FileName : C:\TC4\158\JULY2012\BJUL224.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 7/25/12 08:41
Time of Injection: 7/24/12 14:51
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00672

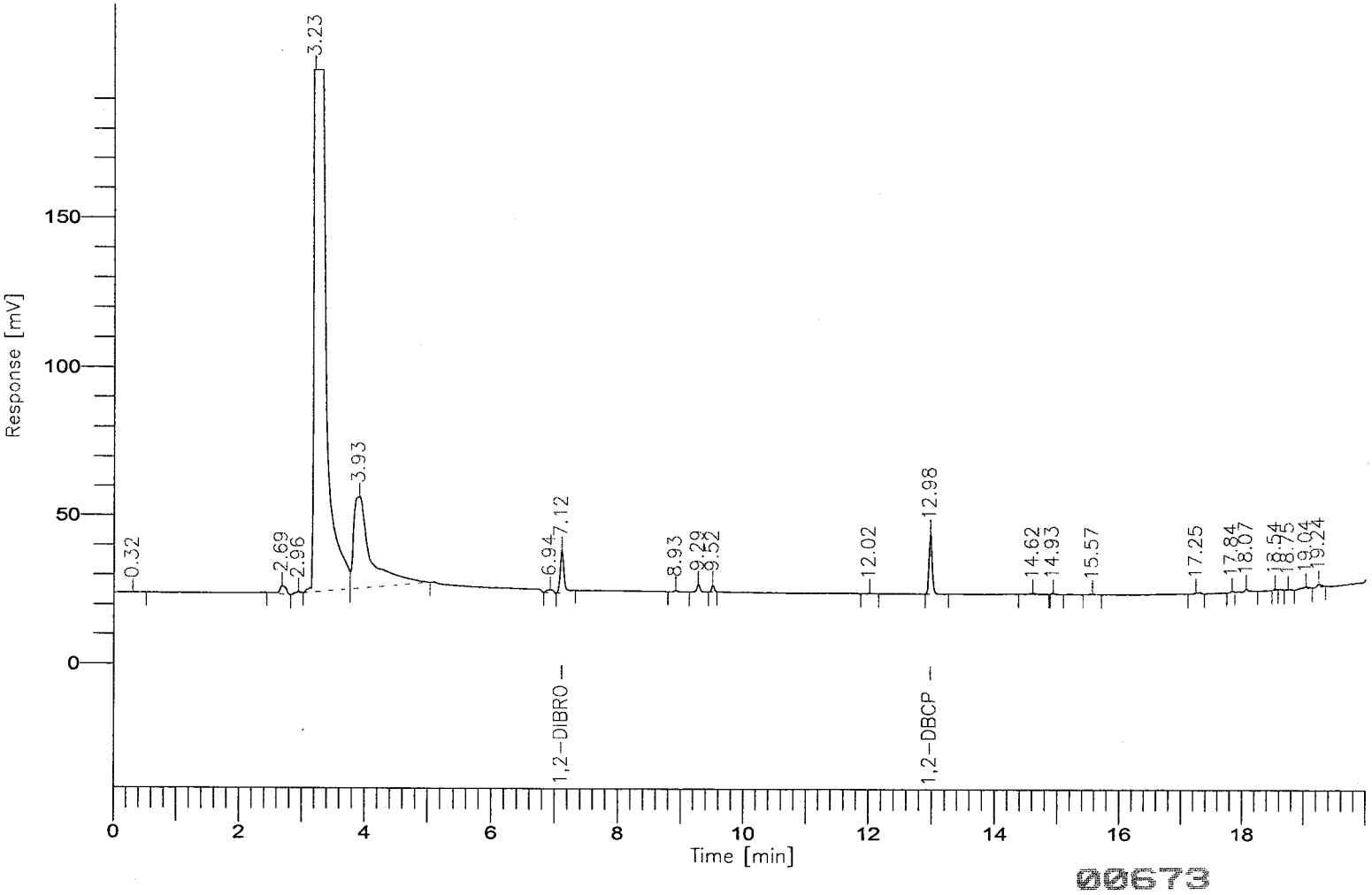
Software Version: 4.1<2F12>
Sample Name : 1208913-BSD1 Time : 7/25/12 08:41
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 14:51
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL224.RAW
Result File : C:\TC4\158\JULY2012\BJUL224.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL224.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00673

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0057	14562.03	56837.00	35	2	0.32606
12.98	1,2-DBCP (2C)	0.0056	20365.64	67868.00	35	2	0.32071
			34927.66	124705.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL224.TX0

LCS / LCS DUPLICATE RECOVERY

USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1209449

SDG: KNM070512

Project: KNM

Laboratory ID: 1209449-BSD1

Preparation: Method-Specific Extraction

Initial/Final: 35 mL / 2 mL

Sequence: 2H06025

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.371	116	8	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

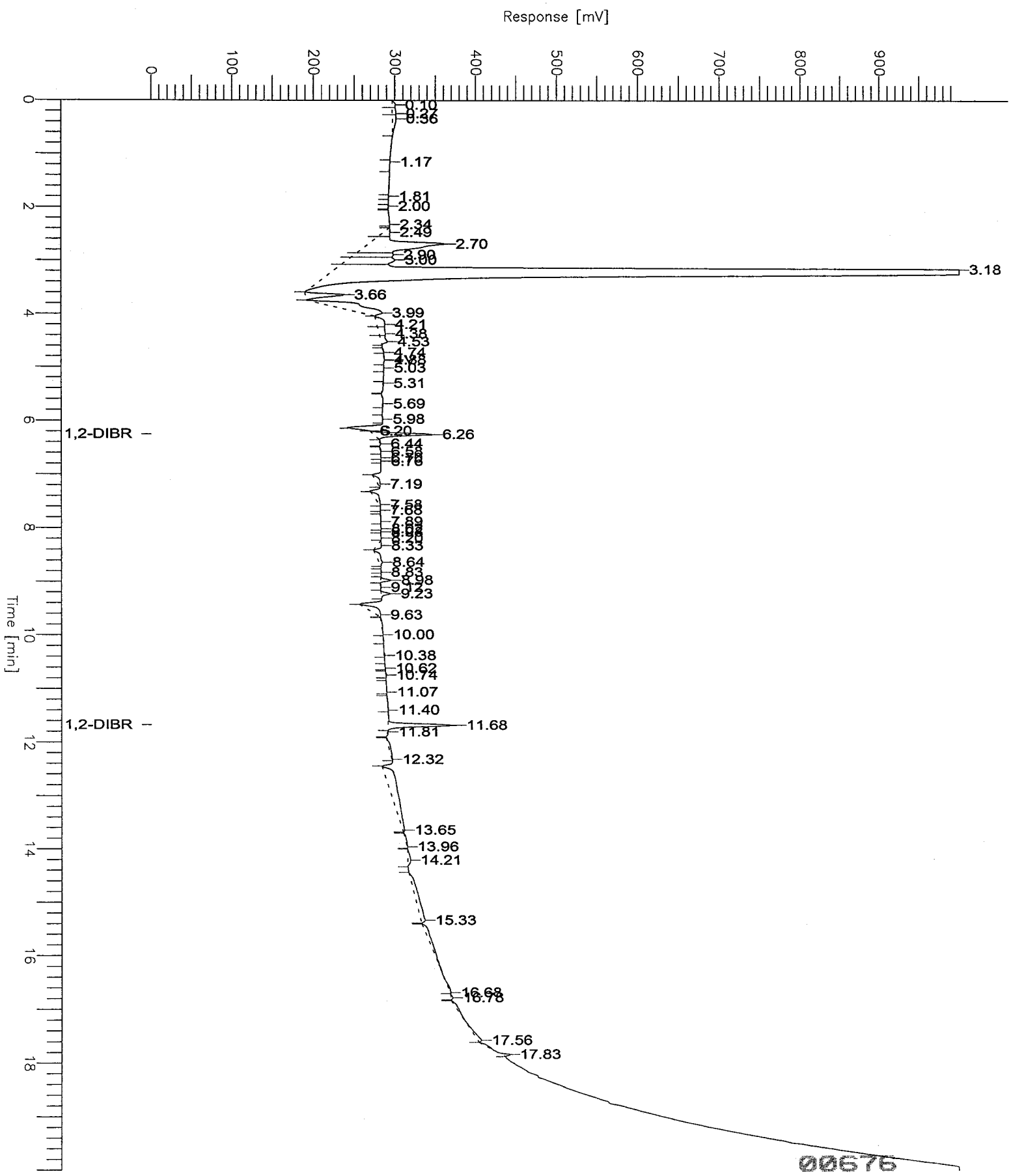
* Values outside of QC limits

00675

Chromatogram

Sample Name : 1209449-BSD1
FileName : C:\TC4\158\AUG2012\Aaug043.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 14:56
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00675

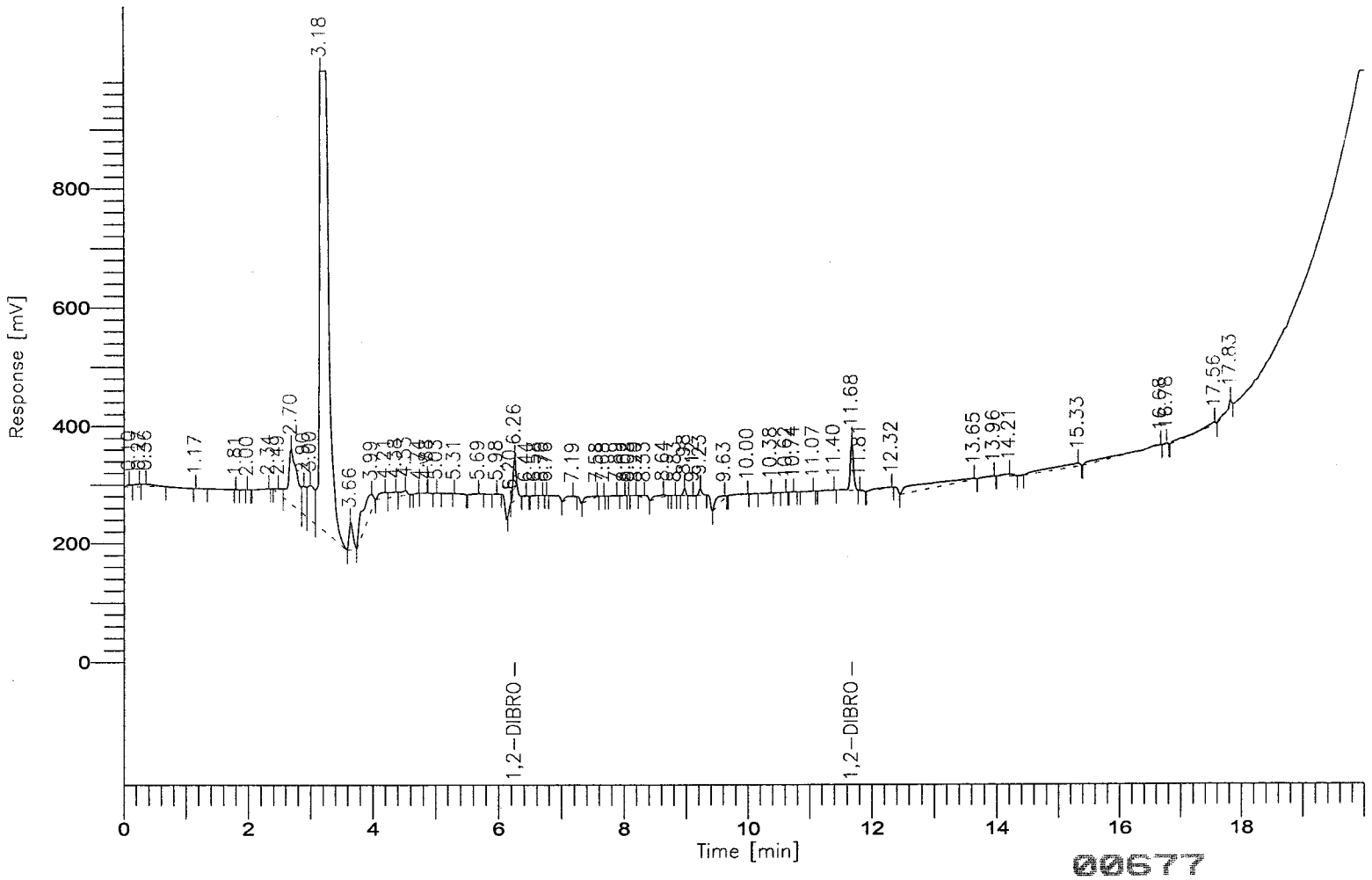
Software Version: 4.1<2F12>
Sample Name : 1209449-BSD1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 14:56
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG043.RAW
Result File : C:\TC4\158\AUG2012\AAUG043.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG043.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00677

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0065	73692.48	269737.00	35	2	0.37264
11.68	1,2-DIBROMO3CHLOROPR	0.0054	84237.31	295895.00	35	2	0.30866
			157929.79	565632.00			

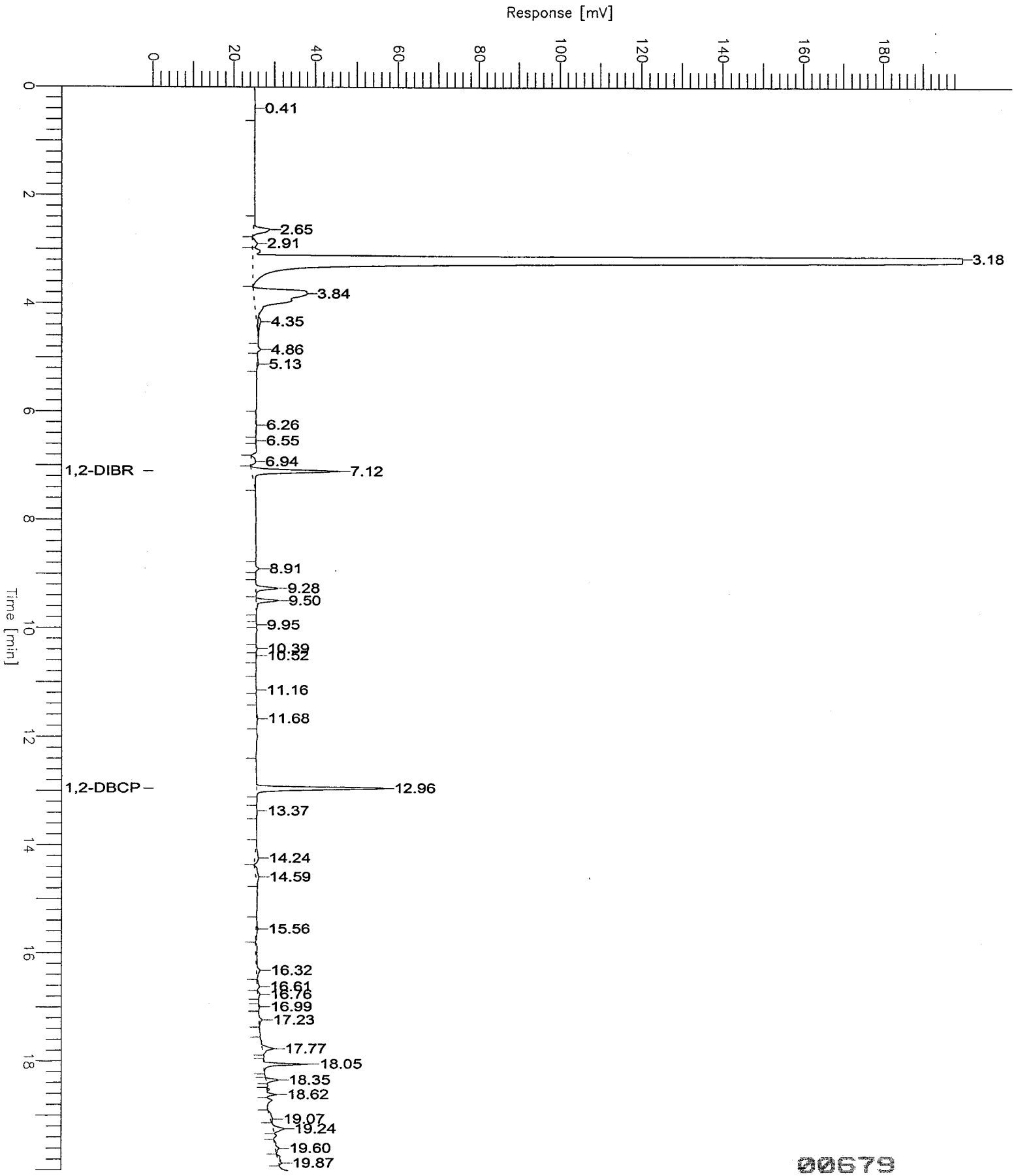
Pass

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG043.TX0

Chromatogram

Sample Name : 1209449-BSD1
FileName : C:\TC4\158\AUG2012\Baug043.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 08:47
Time of Injection: 8/3/12 14:56
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00679

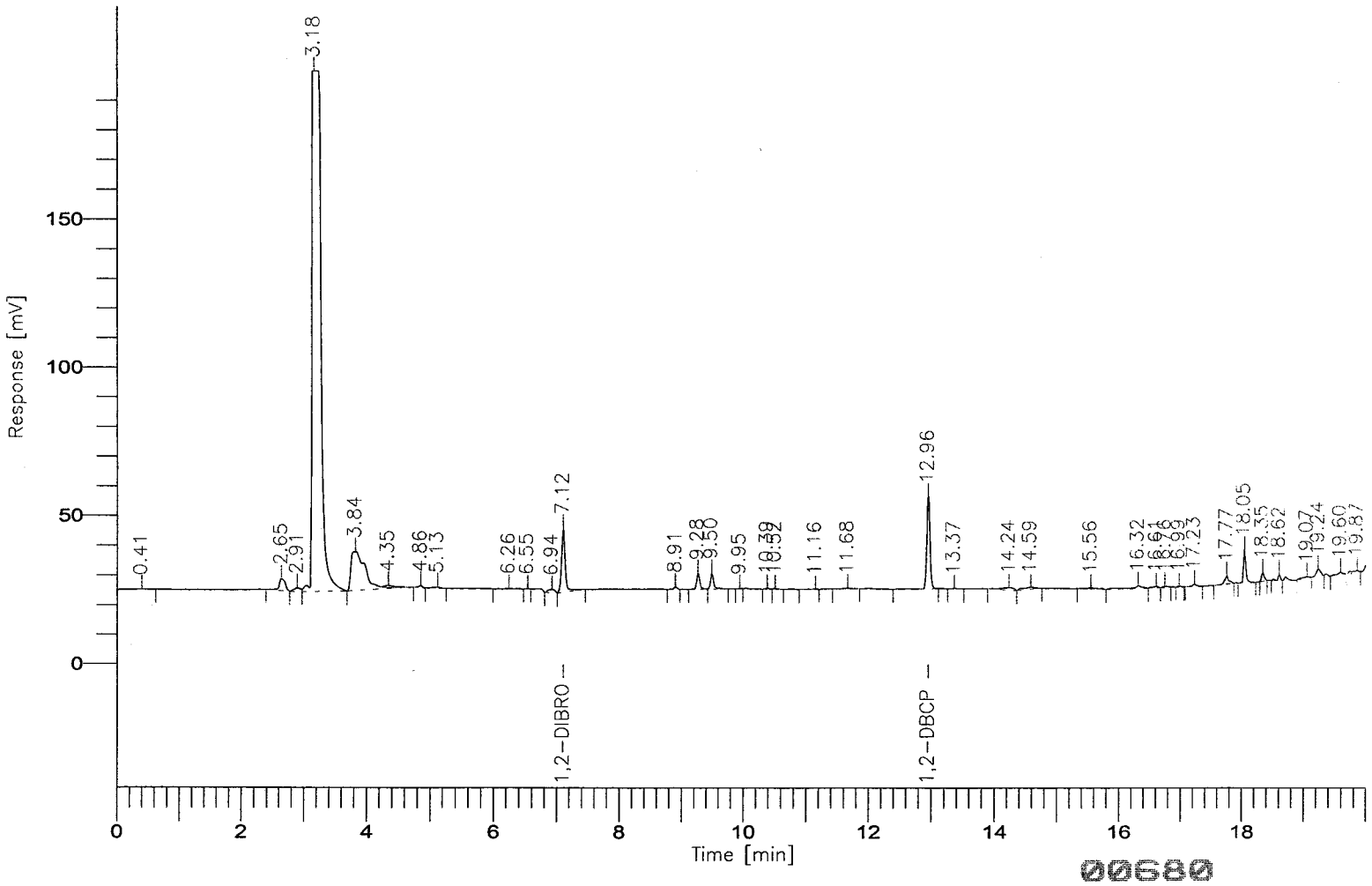
Software Version: 4.1<2F12>
Sample Name : 1209449-BSD1 Time : 8/6/12 08:47
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 14:56
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG043.RAW
Result File : C:\TC4\158\AUG2012\BAUG043.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG043.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00680

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0061	21612.20	88100.00	35	2	0.34979	Pass
12.96	1,2-DBCP (2C)	0.0054	32383.75	109567.00	35	2	0.30666	
			53995.95	197667.00				

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG043.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209537-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2H06039

QC Batch: 1209537

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.303	95	2	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

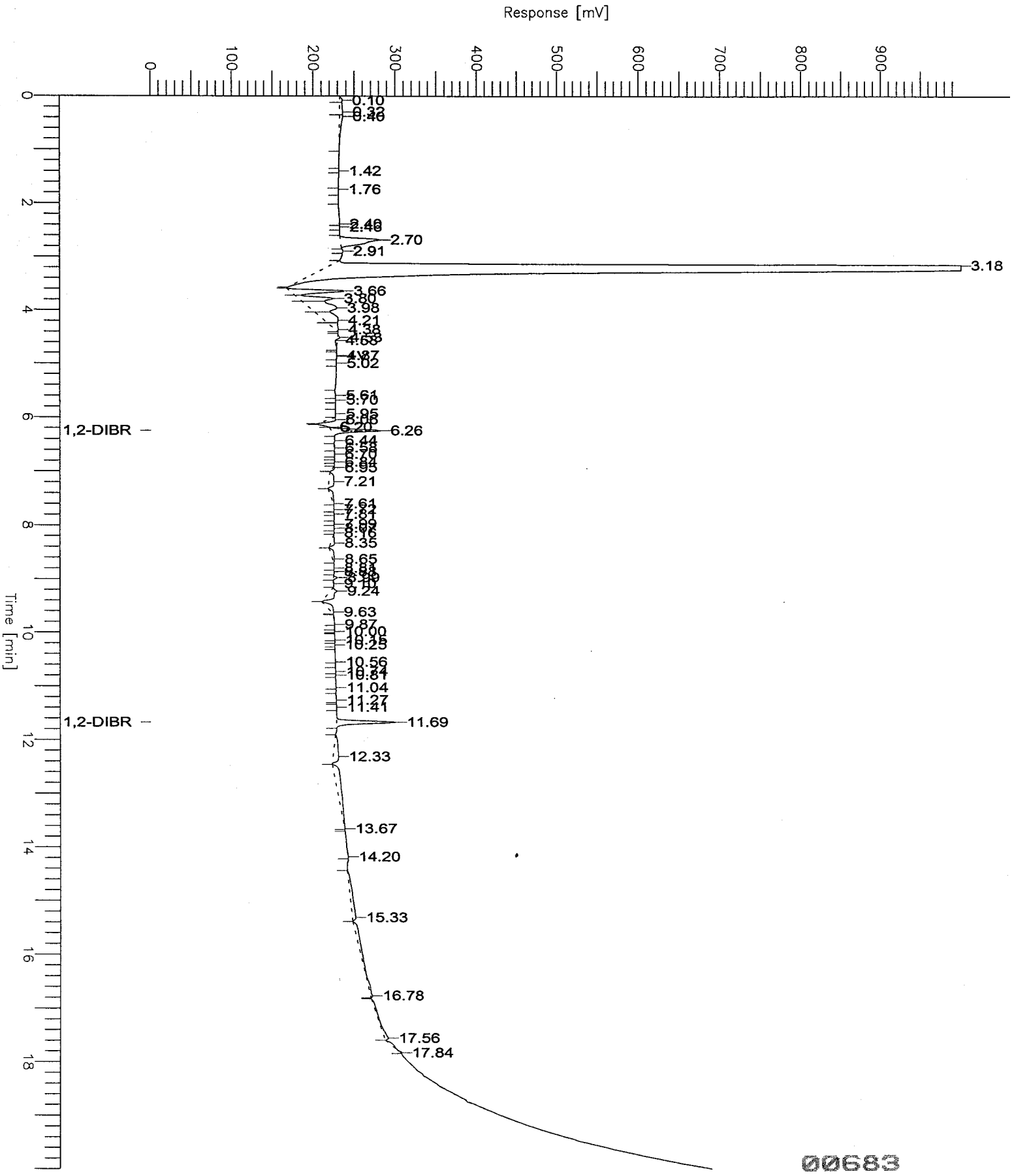
* Values outside of QC limits

00682

Chromatogram

Sample Name : 1209537-BSD1
FileName : C:\TC4\158\AUG2012\Aaug063.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:33
Time of Injection: 8/6/12 11:37
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00683

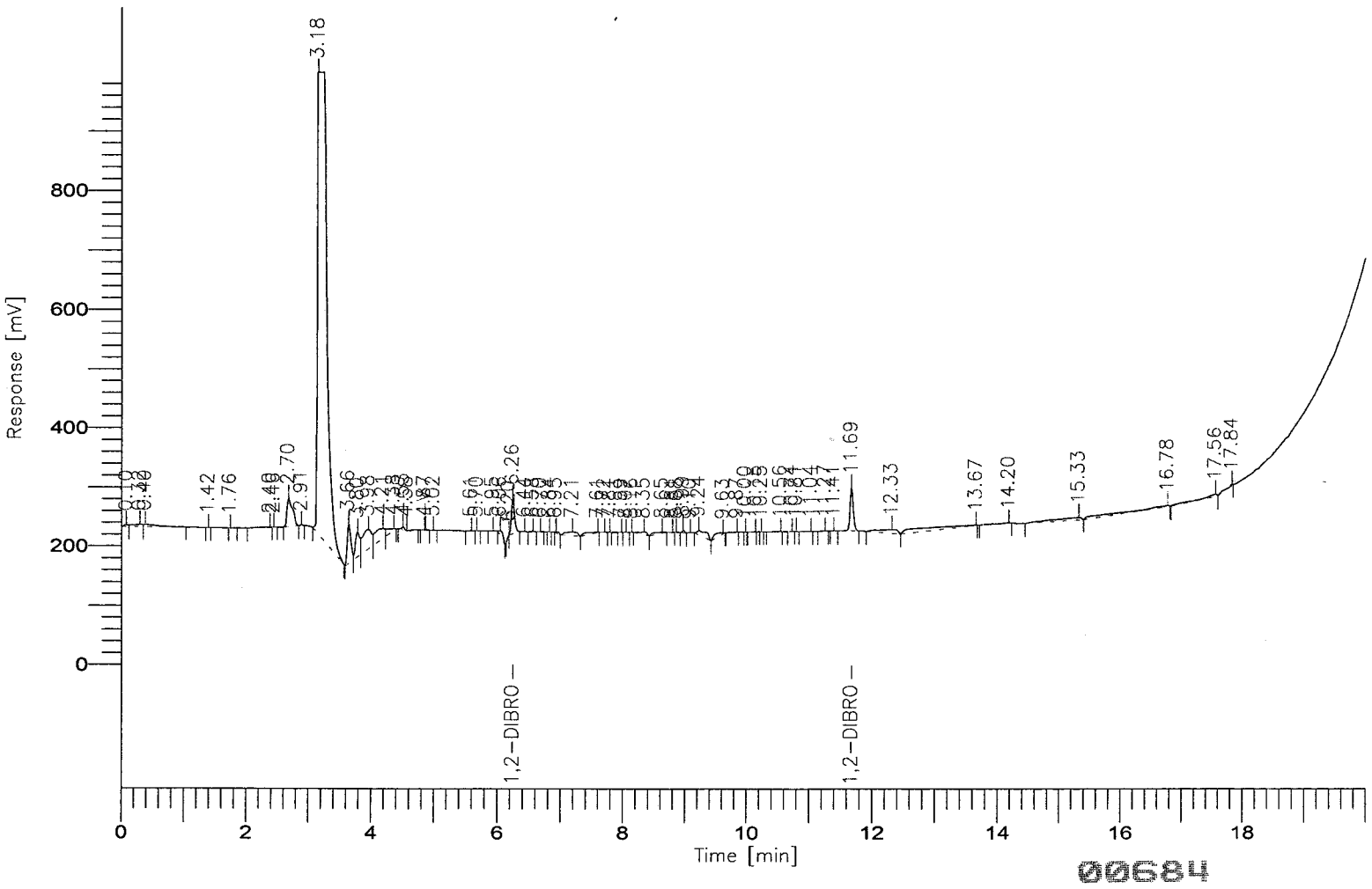
Software Version: 4.1<2F12>
Sample Name : 1209537-BSD1 Time : 8/6/12 13:33
Sample Number: Study : 8011
Operator : ~~ASC~~ BDH 8/6/12

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 11:37
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG063.RAW
Result File : C:\TC4\158\AUG2012\AAUG063.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG063.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00684

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

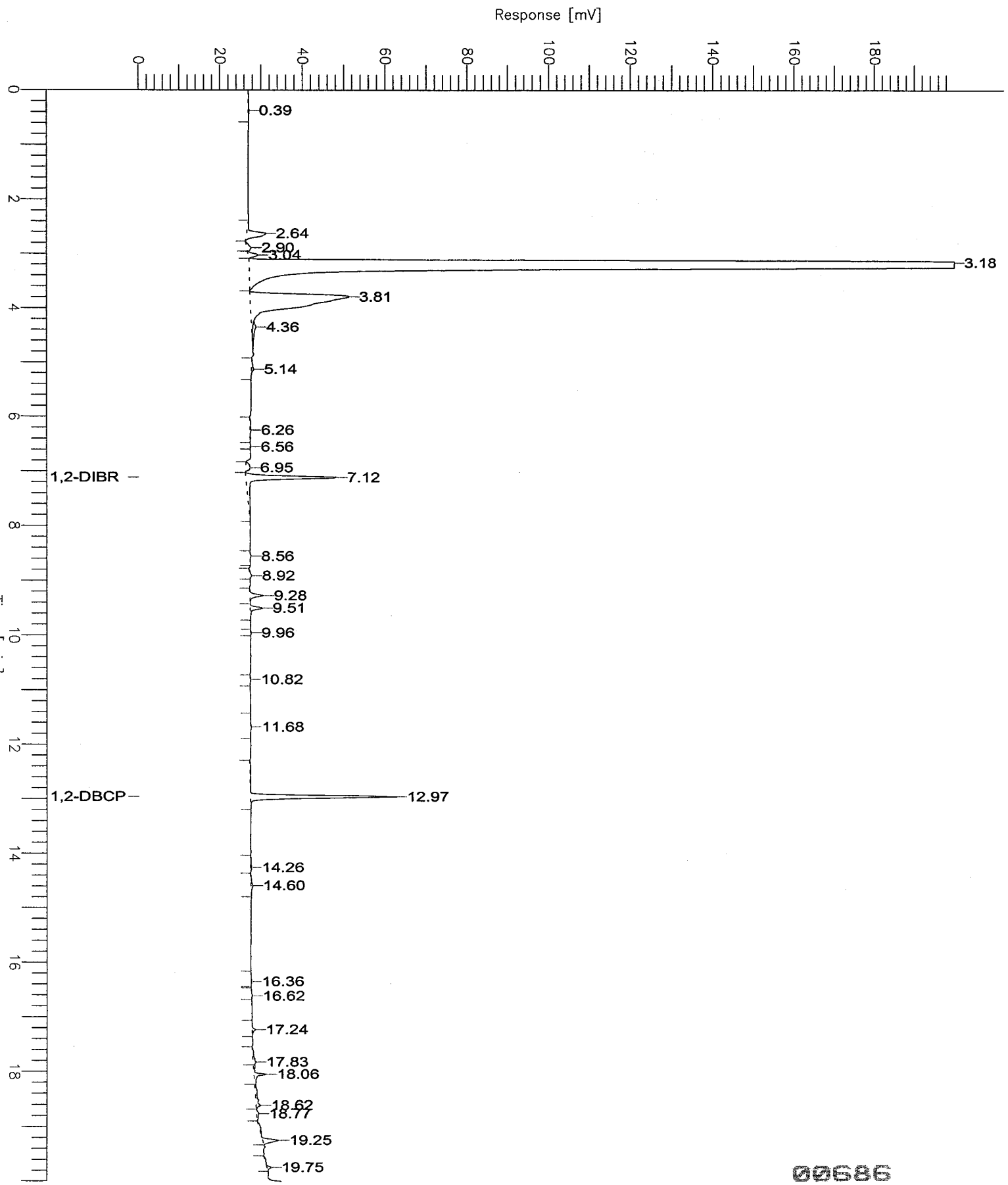
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.26	1,2-DIBROMOETHANE	0.0053	60521.17	214742.00	35	2	0.30274
11.69	1,2-DIBROMO3CHLOROPR	0.0047	73841.69	256379.00	35	2	0.27057
			134362.86	471121.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG063.TX0

Chromatogram

Sample Name : 1209537-BSD1
FileName : C:\TC4\158\AUG2012\Baug063.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/6/12 13:33
Time of Injection: 8/6/12 11:37
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00686

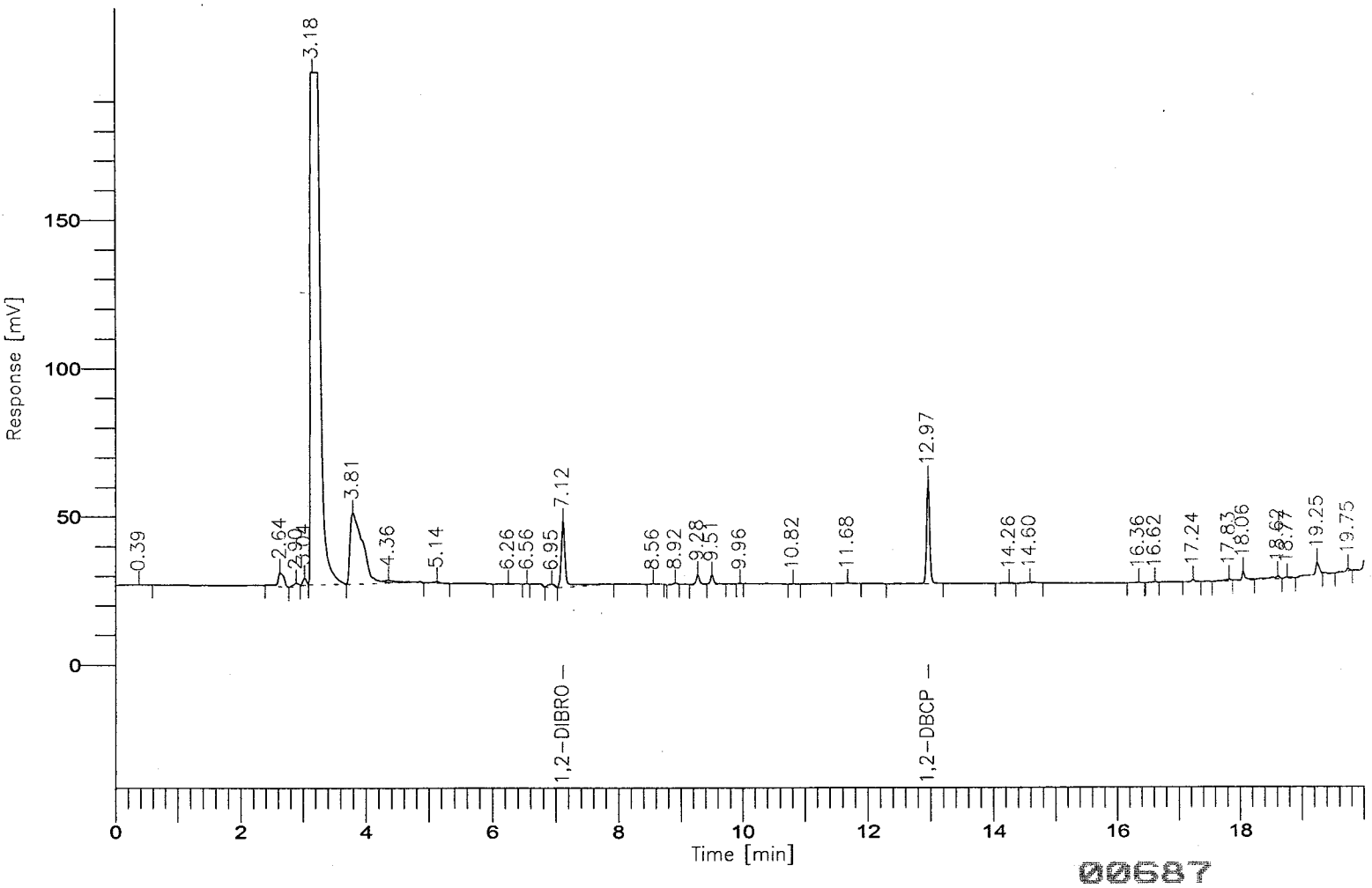
Software Version: 4.1<2F12>
Sample Name : 1209537-BSD1 Time : 8/6/12 13:33
Sample Number: Study : 8011
Operator : ~~ASC~~ BSH 8/6/12

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 11:37
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG063.RAW
Result File : C:\TC4\158\AUG2012\BAUG063.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG063.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00687

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0065	22771.75	105244.00	35	2	0.36975
12.97	1,2-DBCP (2C)	0.0059	35410.30	120439.00	35	2	0.33532
			58182.05	225683.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG063.TX0

LCS / LCS DUPLICATE RECOVERY
USEPA-8011

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM070512
Project: KNM
Laboratory ID: 1209921-BSD1
Preparation: Method-Specific Extraction
Initial/Final: 35 mL / 2 mL
Sequence: 2H17033

QC Batch: 1209921

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
1,2-Dibromoethane	0.320	0.291	91	0	20	60 - 140	ug/L

Column to be used to flag recovery and RPD values with an asterisk

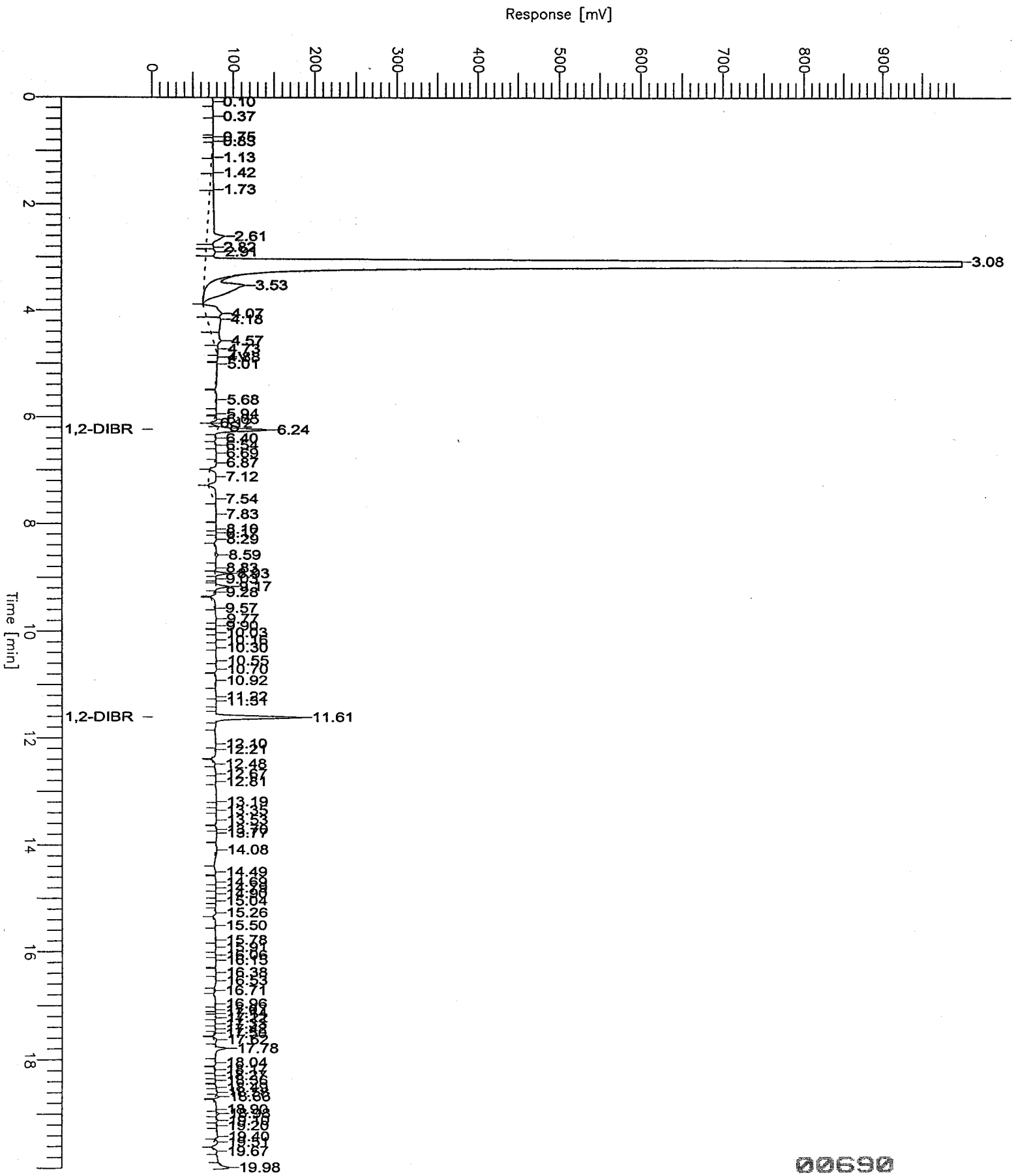
* Values outside of QC limits

00689

Chromatogram

Sample Name : 1209921-BSD1
FileName : C:\TC4\158\AUG2012\Aaug225.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 15:27
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00690

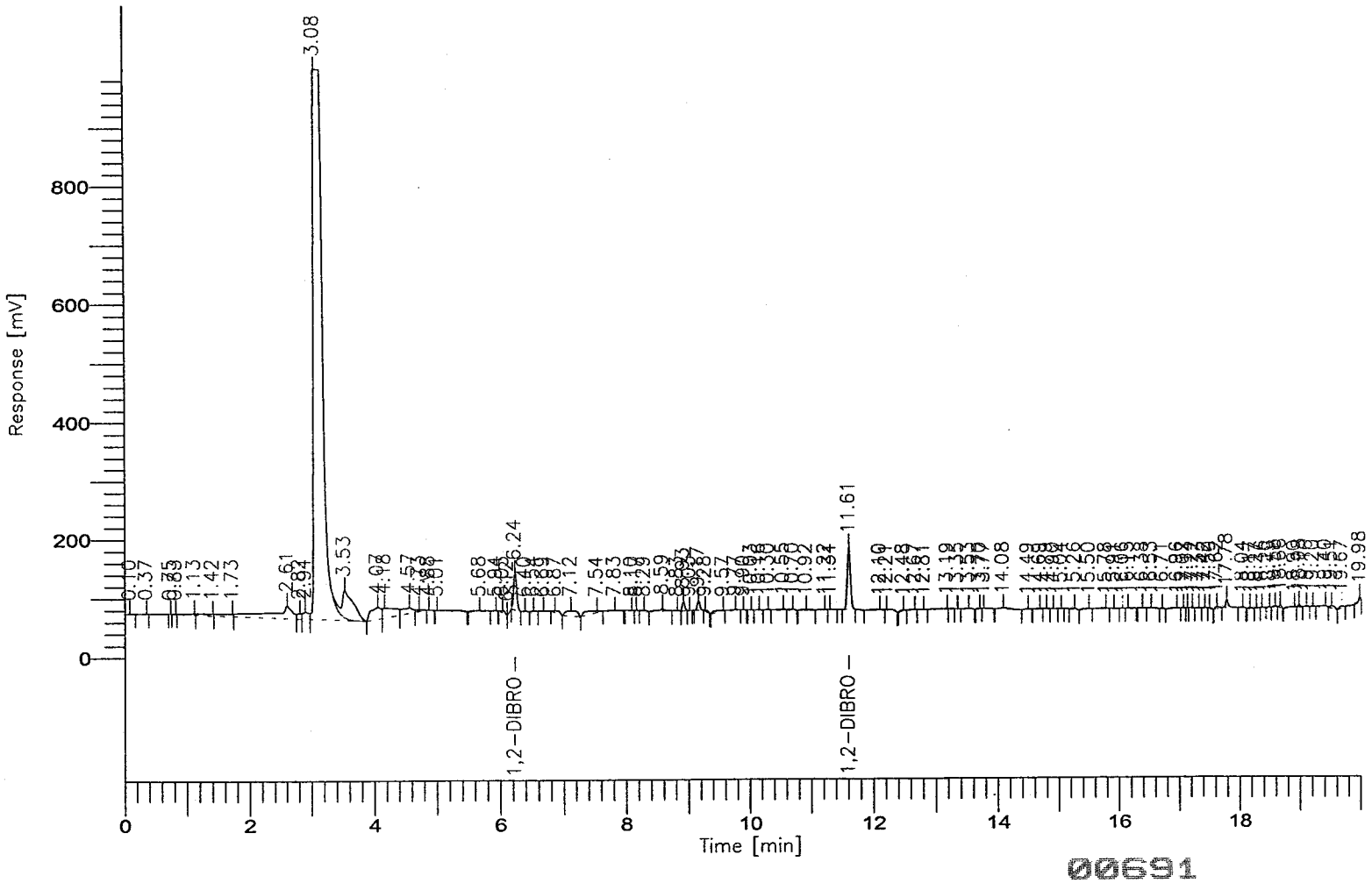
Software Version: 4.1<2F12>
Sample Name : 1209921-BSD1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : A A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 15:27
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG225.RAW
Result File : C:\TC4\158\AUG2012\AAUG225.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG225.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00691

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

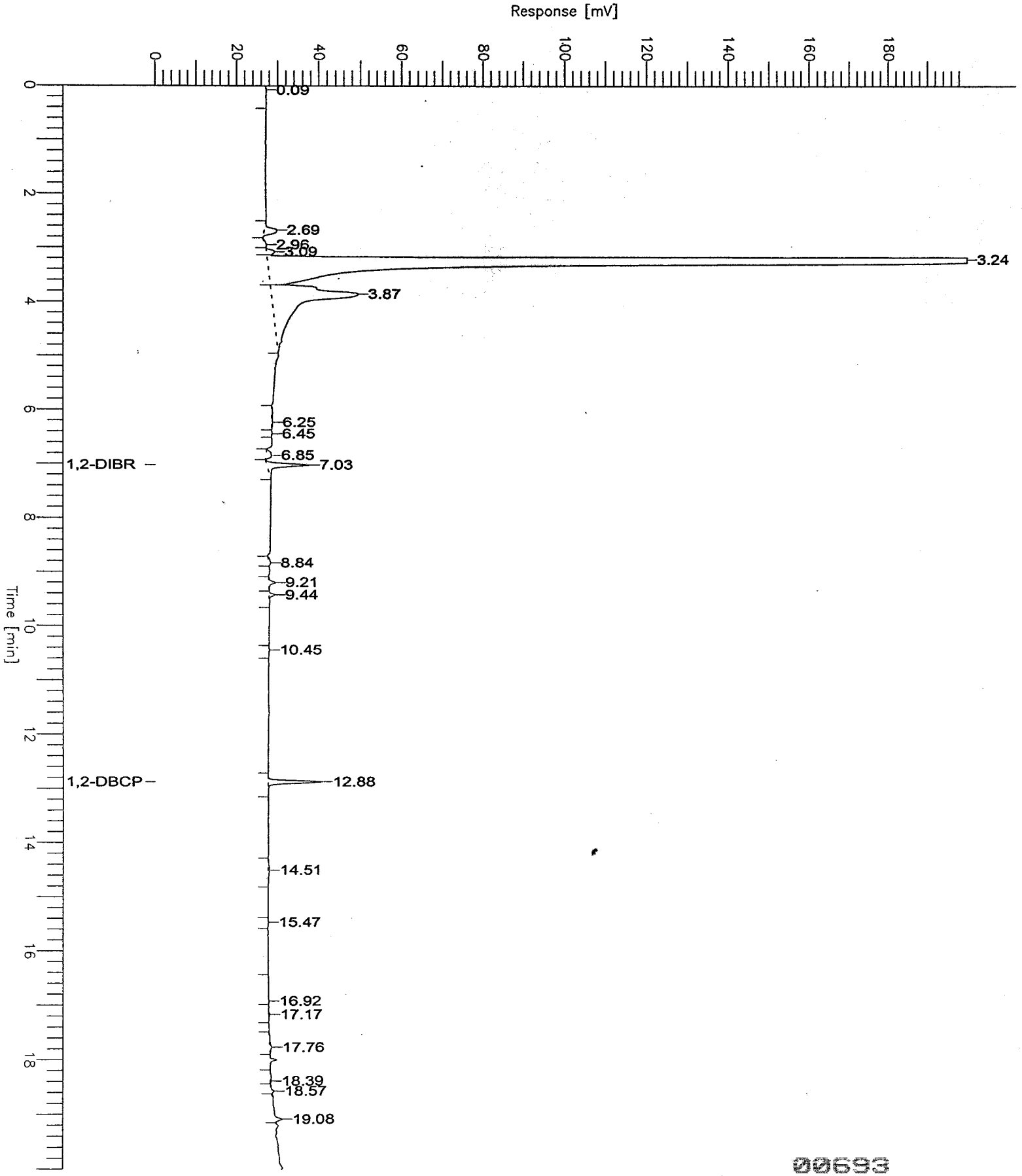
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.24	1,2-DIBROMOETHANE	0.0051	63238.50	212421.50	35	2	0.28930
11.61	1,2-DIBROMO3CHLOROPR	0.0052	107677.44	366017.00	35	2	0.29550
			170915.94	578438.50			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG225.TX0

Chromatogram

Sample Name : 1209921-BSD1
FileName : C:\TC4\158\AUG2012\Baug225.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:13
Time of Injection: 8/16/12 15:27
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00693

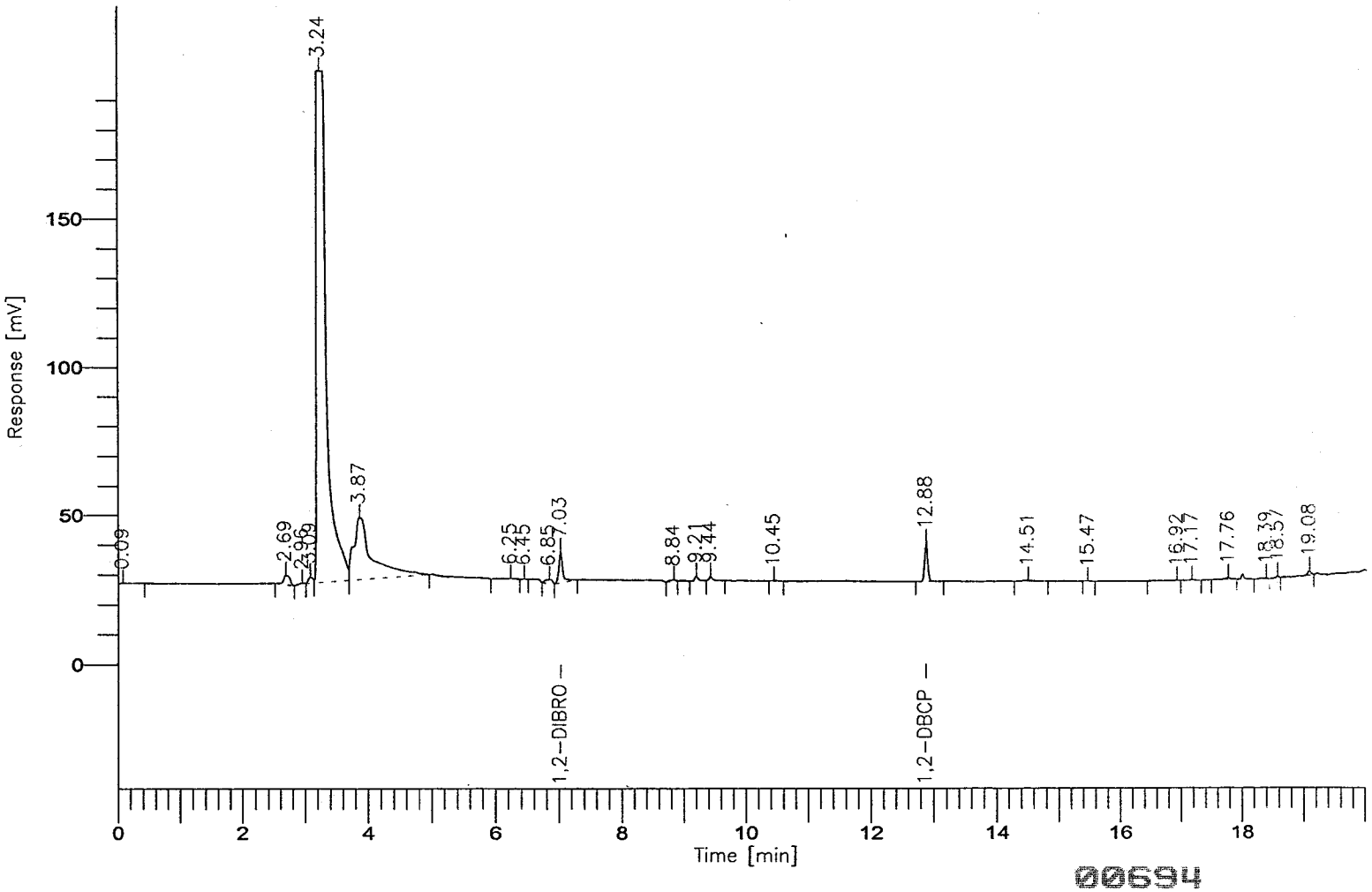
Software Version: 4.1<2F12>
Sample Name : 1209921-BSD1 Time : 8/17/12 08:13
Sample Number: Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 15:27
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG225.RAW
Result File : C:\TC4\158\AUG2012\BAUG225.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG225.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00694

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.03	1,2-DIBROMOETHANE (2	0.0053	10418.65	45218.00	35	2	0.30342
12.88	1,2-DBCP (2C)	0.0052	13206.35	43740.00	35	2	0.29560
			23625.00	88958.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG225.TX0

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1208585

Printed: 7/17/2012 9:09:51AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

9665

Standard	Description	Solvent	LotNum
2060920	8011 2.24 ug/mL	MeOH/117578	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207057	8011 EDB/DBCP	1207122	8011 EDB/DBCP		

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1208585-BLK1		Jul-16-12 08:08	BJH	35	2					BLANK	
1208585-BS1		Jul-16-12 08:08	BJH	35	2			2060920	5	LCS	
1208585-BSD1		Jul-16-12 08:08	BJH	35	2			2060920	5	LCS DUP	
1207057-01	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only
1207057-02	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only
1207122-01	A	Jul-16-12 08:08	BJH	34.8	2					TechLaw	EDB only
1207122-02	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1208585

Printed: 7/16/2012 8:11:54AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207057	8011 EDB/DBCP	1207122	8011 EDB/DBCP		

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1208585-BLK1		Jul-16-12 08:08	BJH	35	2					BLANK	
1208585-BS1		Jul-16-12 08:08	BJH	35	2			2060920	5.0	LCS	
1208585-BSD1		Jul-16-12 08:08	BJH	35	2			↓	↓	LCS DUP	
1207057-01	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only 61.1
1207057-02	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only 61.3
1207122-01	A	Jul-16-12 08:08	BJH	~~35~~	2					TechLaw	EDB only 60.8 -26.0
1207122-02	A	Jul-16-12 08:08	BJH	35	2					TechLaw	EDB only 61.0

Comments:	Analyst Initials:

bch_TriMatrix.rpt

99597

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1208913

Printed: 7/25/2012 8:40:14AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

9969

Standard	Description	Solvent	LotNum
2070981	8011 2.24 ug/mL	MeOH/120512	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207213	8011 EDB/DBCP	1207239	8011 EDB/DBCP	1207258	8011 EDB/DBCP
1207292	8011 EDB/DBCP				

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1208913-BLK1		Jul-24-12 08:00	BJH	35	2					BLANK	
1208913-BS1		Jul-24-12 08:00	BJH	35	2			2070981	5	LCS	
1208913-BSD1		Jul-24-12 08:00	BJH	35	2			2070981	5	LCS DUP	
1207213-01	B	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207213-02	A	Jul-24-12 08:00	BJH	34.5	2					TechLaw	EDB only
1207239-01	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207239-02	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207239-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207258-01	A	Jul-24-12 08:00	BJH	34.9	2					TechLaw	EDB only
1207258-02	A	Jul-24-12 08:00	BJH	35.1	2					TechLaw	EDB only
1207258-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207292-01	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207292-02	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only
1207292-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1208913

Printed: 7/24/2012 8:02:15AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

56989

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207213	8011 EDB/DBCP	1207239	8011 EDB/DBCP	1207258	8011 EDB/DBCP
1207292	8011 EDB/DBCP				

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1208913-BLK1		Jul-24-12 08:00	BJH	35	2					BLANK	
1208913-BS1		Jul-24-12 08:00	BJH	35	2			1207098I	5.0	LCS	
1208913-BSD1		Jul-24-12 08:00	BJH	35	2			↓	↓	LCS DUP	
1207213-01	B	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 61.1
1207213-02	A	Jul-24-12 08:00	BJH	~~35~~ 34.5	2					TechLaw	EDB only 60.5 - 26.0
1207239-01	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 61.1 - 26.1
1207239-02	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 60.9
1207239-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 60.9
1207258-01	A	Jul-24-12 08:00	BJH	~~35~~ 34.9	2					TechLaw	EDB only 61.0 - 26.1
1207258-02	A	Jul-24-12 08:00	BJH	~~35~~ 35.1	2					TechLaw	EDB only 61.1 - 26.0
1207258-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 61.2
1207292-01	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 61.0
1207292-02	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 60.9
1207292-03	A	Jul-24-12 08:00	BJH	35	2					TechLaw	EDB only 60.7

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209449 Page 1 of 1

Printed: 8/6/2012 11:30:42AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2070981	8011 2.24 ug/mL	MeOH/120512	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207368	8011 EDB/DBCP	1207370	8011 EDB/DBCP	1207404	8011 EDB/DBCP
1208015	8011 EDB/DBCP	1208057	8011 EDB/DBCP		

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1209449-BLK1		Aug-03-12 08:17	BJH	35	2					BLANK	
1209449-BS1		Aug-03-12 08:17	BJH	35	2			2070981	5	LCS	
1209449-BSD1		Aug-03-12 08:17	BJH	35	2			2070981	5	LCS DUP	
1207368-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1207368-02	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1207370-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1207370-02	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1207404-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1208015-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only
1208015-02	A	Aug-03-12 08:17	BJH	34.6	2					TechLaw	EDB only
1208015-03	A	Aug-03-12 08:17	BJH	35.1	2					TechLaw	EDB only
1208057-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only

Comments:

Analyst Initials:

bch_TriMatrix.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209449

Printed: 8/3/2012 7:57:22AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207368	8011 EDB/DBCP	1207370	8011 EDB/DBCP	1207404	8011 EDB/DBCP
1208015	8011 EDB/DBCP	1208057	8011 EDB/DBCP		

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1209449-BLK1		Aug-03-12 08:17	BJH	35	2					BLANK	
1209449-BS1		Aug-03-12 08:17	BJH	35	2			207098I	5.0	LCS	
1209449-BSD1		Aug-03-12 08:17	BJH	35	2			↓	↓	LCS DUP	
1207368-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 60.5
1207368-02	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 61.3
1207370-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 60.5
1207370-02	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 60.8
1207404-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 60.6
~~1207404-02~~	~~A~~	~~Aug-03-12 08:17~~	~~BJH~~	~~35~~	~~2~~					~~TechLaw~~	~~EDB only 61.3~~ BJH 8/6/12
1208015-01	A	Aug-03-12 08:17	BJH	35	2					TechLaw	EDB only 61.1
1208015-02	A	Aug-03-12 08:17	BJH	~~35~~ 34.6	2					TechLaw	EDB only 60.6 - 26.0
1208015-03	A	Aug-03-12 08:17	BJH	~~35~~ 35.1	2					TechLaw	EDB only 61.2 - 26.1
1208057-01	A	Aug-03-12 08:17	BJH	~~35~~ 35.0	2					TechLaw	EDB only 60.7 - 25.7

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209537

Printed: 8/28/2012 10:06:52AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

29709

Standard	Description	Solvent	LotNum
2070981	8011 2.24 ug/mL	MeOH/120512	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207404	8011 EDB/DBCP				

Balance ID: _____ **pH Meter:** _____

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1209537-BLK1		Aug-06-12 09:22	BJH	35	2					BLANK	
1209537-BS1		Aug-06-12 09:22	BJH	35	2			2070981	5	LCS	
1209537-BSD1		Aug-06-12 09:22	BJH	35	2			2070981	5	LCS DUP	
1207404-02	B	Aug-06-12 09:22	BJH	34.7	2					TechLaw	EDB only

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209537

Printed: 8/6/2012 10:23:11AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1207404	8011 EDB/DBCP				

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	uL Surrogate	Source ID	Spike ID	uL Spike	Client / QC Type	Extraction Comments
1209537-BLK1		Aug-06-12 09:22	BJH	35	2					BLANK	
1209537-BS1		Aug-06-12 09:22	BJH	35	2			2070981	5.0	LCS	
1209537-BSD1		Aug-06-12 09:22	BJH	35	2			↓	↓	LCS DUP	
1207404-02	B	Aug-06-12 09:22	BJH	~~35~~ 34.7	2					TechLaw	EDB only 60.7-26.0

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209921

Printed: 8/17/2012 9:00:20AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
2070981	8011 2.24 ug/mL	MeOH/120512	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1208169	8011 EDB/DBCP	1208170	8011 EDB/DBCP	1208192	8011 EDB/DBCP

Balance ID: _____ **pH Meter:** _____

Lab Number	Contain	Prepared	By	Initial (mL)	Final (mL)	mL Surrogate	Source ID	Spike ID	mL Spike	Client / QC Type	Extraction Comments
1209921-BLK1		Aug-16-12 08:52	BJH	35	2					BLANK	same as batch 1209922
1209921-BS1		Aug-16-12 08:52	BJH	35	2			2070981	5	LCS	same as batch 1209922
1209921-BSD1		Aug-16-12 08:52	BJH	35	2			2070981	5	LCS DUP	
1208169-01	A	Aug-16-12 08:52	BJH	35.1	2					TechLaw	EDB only
1208169-02	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only
1208170-01	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only
1208170-02	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only
1208192-01	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1209921 Page 1 of 1

Printed: 8/16/2012 7:55:30AM

Semivolatiles GC, Water, Method-Specific Extraction

(No Surrogate)

Batch Comments: (none)

Standard	Description	Solvent	LotNum

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1208169	8011 EDB/DBCP	1208170	8011 EDB/DBCP	1208192	8011 EDB/DBCP

Balance ID: _____ **pH Meter:** _____

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	mL Surrogate	Source ID	Spike ID	mL Spike	Client / QC Type	Extraction Comments
1209921-BLK1		Aug-16-12 08:52	BJH	35	2					BLANK	same as batch 1209922
1209921-BS1		Aug-16-12 08:52	BJH	35	2			207098 I	5.0	LCS	↓
1209921-BSD1		Aug-16-12 08:52	BJH	35	2			↓	↓	LCS DUP	
1208169-01	A	Aug-16-12 08:52	BJH	~~35~~ 35.1	2					TechLaw	EDB only 61.2 - 26.1
1208169-02	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only 61.0 -
1208170-01	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only 61.0
1208170-02	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only 61.2
1208192-01	A	Aug-16-12 08:52	BJH	35	2					TechLaw	EDB only 61.0

Comments:	Analyst Initials:

bch_TriMatrix.rpt

Semivolatiles GC, Water, Jul-16-12

Instrument = 158, Calibration = 2G17004

Sequence Analyses:
8011 EDB/DBCP

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2G17011-CAL1	QC		2070619		CAL STANDARD	
2G17011-CAL2	QC		2070620		CAL STANDARD	
2G17011-CAL3	QC		2070621		CAL STANDARD	
2G17011-CAL4	QC		2070622		CAL STANDARD	
2G17011-CAL5	QC		2070623		CAL STANDARD	
2G17011-CAL6	QC		2070624		CAL STANDARD	
2G17011-SCV1	QC		2070625		SECONDARY CAL CHECK	
1208585-BLK1	QC				BLANK	
1208585-BS1	QC				LCS	
1208585-BSD1	QC				LCS DUP	
1207057-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207057-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
2G17011-CCV1	QC		2070626		CALIBRATION CHECK	
1207122-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207122-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
2G17011-CCV2	QC		2070626		CALIBRATION CHECK	

Comments:	Analyst Initials:

Semivolatiles GC, Water, Jul-24-12

Instrument= 158, Calibration = 2G17004

Sequence Analyses:
8011 EDB/DBCP

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2G25008-CCV1	QC		2071034		CALIBRATION CHECK	
1208913-BLK1	QC				BLANK	
1208913-BS1	QC				LCS	
1208913-BSD1	QC				LCS DUP	
1207213-01	8011 EDB/DBCP	B 01			TechLaw	EDB only
1207213-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207239-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207239-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207239-03	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207258-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207258-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
2G25008-CCV2	QC		2071034		CALIBRATION CHECK	
1207258-03	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207292-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207292-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207292-03	8011 EDB/DBCP	A 01			TechLaw	EDB only
2G25008-CCV3	QC		2071034		CALIBRATION CHECK	

Comments:

Analyst Initials:

Semivolatiles GC, Water, Aug-03-12

Instrument= 158, Calibration = 2H06011

Sequence Analyses:
8011 EDB/DBCP

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2H06025-CAL1	QC		2080216		CAL STANDARD	
2H06025-CAL2	QC		2080217		CAL STANDARD	
2H06025-CAL3	QC		2080218		CAL STANDARD	
2H06025-CAL4	QC		2080219		CAL STANDARD	
2H06025-CAL5	QC		2080220		CAL STANDARD	
2H06025-CAL6	QC		2080221		CAL STANDARD	
2H06025-SCV1	QC		2080223		SECONDARY CAL CHECK	
1209449-BLK1	QC				BLANK	
1209449-BS1	QC				LCS	
1209449-BSD1	QC				LCS DUP	
1207370-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
2H06025-CCV1	QC		2080222		CALIBRATION CHECK	
1207370-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207368-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207368-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1207404-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208015-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208015-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208015-03	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208057-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
2H06025-CCV2	QC		2080222		CALIBRATION CHECK	

Comments:

Analyst Initials:

Semivolatiles GC, Water, Aug-06-12

Instrument = 158, Calibration = 2H06011

Sequence Analyses:
8011 EDB/DBCP

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2H06039-CCV1	QC		2080222		CALIBRATION CHECK	
1209537-BLK1	QC				BLANK	
1209537-BS1	QC				LCS	
1209537-BSD1	QC				LCS DUP	
1207404-02	8011 EDB/DBCP	B 01			TechLaw	EDB only
2H06039-CCV2	QC		2080222		CALIBRATION CHECK	

Comments:	Analyst Initials:

Semivolatiles GC, Water, Aug-16-12

Instrument = 158, Calibration = 2H17010

Sequence Analyses:
8011 EDB/DBCP

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2H17033-CAL1	QC		2080216		CAL STANDARD	
2H17033-CAL2	QC		2080217		CAL STANDARD	
2H17033-CAL3	QC		2080218		CAL STANDARD	
2H17033-CAL4	QC		2080219		CAL STANDARD	
2H17033-CAL5	QC		2080220		CAL STANDARD	
2H17033-CAL6	QC		2080221		CAL STANDARD	
2H17033-SCV1	QC		2080706		SECONDARY CAL CHECK	
1209921-BLK1	QC				BLANK	same as batch 1209922
1209921-BS1	QC				LCS	same as batch 1209922
1209921-BSD1	QC				LCS DUP	
1208169-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
2H17033-CCV1	QC		2080222		CALIBRATION CHECK	
1208170-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208170-02	8011 EDB/DBCP	A 01			TechLaw	EDB only
1208192-01	8011 EDB/DBCP	A 01			TechLaw	EDB only
2H17033-CCV2	QC		2080222		CALIBRATION CHECK	

Comments:	Analyst Initials:

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program							
Instrument Number:	158	Hold for:	2 min	Ramp to:	155 C	deg/min:	8	Initial Temp:	40 C
Detector:	ECD	Hold for:	0 min	Ramp to:	300 C	deg/min:	40		
		Hold for:	-	Ramp to:	-	deg/min:	-		
Method/Column Reference:	8011	Hold for:	-	Ramp to:	-	deg/min:	-		
						Injection Port Temperature		250	
Column 1 Element #:	1050423	Column 2 Element #:		1050422					

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)		Absolute Window (sec.)	Compound Name
Date of Injection	10/14/11	10/21/11	10/26/11					
Time of Injection	2:52 PM	2:29 PM	1:24 AM					
Compound / File Name	AB008110	AB008165	AB008239					
ECD Detector	-	-	-	-	-	-	-	ECD Detector
1,2-Dibromoethane (CLP1)	6.64	6.67	6.65	0.015	+/-	0.046	2.75	1,2-Dibromoethane (CLP1)
bromo-3-chloropropane (CLP1)	12.14	12.16	12.13	0.015	+/-	0.046	2.75	1,2-Dibromo-3-chloropropane (CL
-					+/-			-
1,2-Dibromoethane (CLP2)	7.28	7.33	7.30	0.025	+/-	0.075	4.53	1,2-Dibromoethane (CLP2)
bromo-3-chloropropane (CLP2)	13.20	13.24	13.22	0.020	+/-	0.060	3.60	1,2-Dibromo-3-chloropropane (CL

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	158	**Date:**	7/16/12
Column 1 ID:	1050423	**File Name:**	ABJUL127
Column 2 ID:	1050422		

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
ECD Detector				
1,2-Dibromoethane (CLP1)	6.31	6.26	to	6.36
ibromo-3-chloropropane (CLP1)	11.72	11.67	to	11.77
-			to	
1,2-Dibromoethane (CLP2)	7.12	7.04	to	7.20
ibromo-3-chloropropane (CLP2)	12.97	12.91	to	13.03

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program							
Instrument Number:	158	Hold for:	2 min	Ramp to:	155 C	deg/min:	8	Initial Temp:	40 C
Detector:	ECD	Hold for:	0 min	Ramp to:	300 C	deg/min:	40		
Method/Column Reference:	8011	Hold for:	-	Ramp to:	-	deg/min:	-		
		Hold for:	-	Ramp to:	-	deg/min:	-		
		Injection Port Temperature						250	
Column 1 Element #:	1050423	Column 2 Element #:		1050422					

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)		Absolute Window (sec.)	Compound Name
Date of Injection	10/14/11	10/21/11	10/26/11					
Time of Injection	2:52 PM	2:29 PM	1:24 AM					
Compound / File Name	AB008110	AB008165	AB008239					
ECD Detector	-	-	-	-	-	-	-	ECD Detector
1,2-Dibromoethane (CLP1)	6.64	6.67	6.65	0.015	+/-	0.046	2.75	1,2-Dibromoethane (CLP1)
bromo-3-chloropropane (CLP1)	12.14	12.16	12.13	0.015	+/-	0.046	2.75	1,2-Dibromo-3-chloropropane (C
-					+/-			-
1,2-Dibromoethane (CLP2)	7.28	7.33	7.30	0.025	+/-	0.075	4.53	1,2-Dibromoethane (CLP2)
bromo-3-chloropropane (CLP2)	13.20	13.24	13.22	0.020	+/-	0.060	3.60	1,2-Dibromo-3-chloropropane (C

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	158	**Date:**	7/24/12
Column 1 ID:	1050423	**File Name:**	ABJUL221
Column 2 ID:	1050422		

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
ECD Detector				
1,2-Dibromoethane (CLP1)	6.31	6.26	to	6.36
bromo-3-chloropropane (CLP1)	11.71	11.66	to	11.76
-			to	
1,2-Dibromoethane (CLP2)	7.11	7.03	to	7.19
bromo-3-chloropropane (CLP2)	12.97	12.91	to	13.03

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program							
Instrument Number:	158	Hold for:	2 min	Ramp to:	155 C	Initial Temp:	40 C		
Detector:	ECD	Hold for:	0 min	Ramp to:	300 C	deg/min:	8		
Method/Column Reference:	8011	Hold for:	-	Ramp to:	-	deg/min:	40		
		Hold for:	-	Ramp to:	-	deg/min:	-		
						deg/min:	-		
						Injection Port Temperature	250		
Column 1 Element #:	1050423	Column 2 Element #:		1050422					

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)		Absolute Window (sec.)	Compound Name
Date of Injection	10/14/11	10/21/11	10/26/11					
Time of Injection	2:52 PM	2:29 PM	1:24 AM					
Compound / File Name	AB008110	AB008165	AB008239					
ECD Detector	-	-	-	-	-	-	-	ECD Detector
1,2-Dibromoethane (CLP1)	6.64	6.67	6.65	0.015	+/-	0.046	2.75	1,2-Dibromoethane (CLP1)
ibromo-3-chloropropane (CLP1)	12.14	12.16	12.13	0.015	+/-	0.046	2.75	1,2-Dibromo-3-chloropropane (CL
-					+/-			-
1,2-Dibromoethane (CLP2)	7.28	7.33	7.30	0.025	+/-	0.075	4.53	1,2-Dibromoethane (CLP2)
ibromo-3-chloropropane (CLP2)	13.20	13.24	13.22	0.020	+/-	0.060	3.60	1,2-Dibromo-3-chloropropane (CL

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	158	**Date:**	8/3/12
Column 1 ID:	1050423	**File Name:**	ABAUG040
Column 2 ID:	1050422		

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
ECD Detector				
1,2-Dibromoethane (CLP1)	6.26	6.21	to	6.31
ibromo-3-chloropropane (CLP1)	11.68	11.63	to	11.73
-			to	
1,2-Dibromoethane (CLP2)	7.11	7.03	to	7.19
ibromo-3-chloropropane (CLP2)	12.96	12.90	to	13.02

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program						
Instrument Number:	158	Hold for:	2 min	Ramp to:	155 C	Initial Temp:	40 C	
Detector:	ECD	Hold for:	0 min	Ramp to:	300 C	deg/min:	8	
		Hold for:	-	Ramp to:	-	deg/min:	40	
Method/Column Reference:	8011	Hold for:	-	Ramp to:	-	deg/min:	-	
						deg/min:	-	
						Injection Port Temperature	250	
Column 1 Element #:	1050423	Column 2 Element #:		1050422				

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)	Absolute Window (sec.)	Compound Name
Date of Injection	10/14/11	10/21/11	10/26/11				
Time of Injection	2:52 PM	2:29 PM	1:24 AM				
Compound / File Name	AB008110	AB008165	AB008239				
ECD Detector	-	-	-	-	-	-	ECD Detector
1,2-Dibromoethane (CLP1)	6.64	6.67	6.65	0.015	+/- 0.046	2.75	1,2-Dibromoethane (CLP1)
ibromo-3-chloropropane (CLP1)	12.14	12.16	12.13	0.015	+/- 0.046	2.75	1,2-Dibromo-3-chloropropane (CL
-					+/-		-
1,2-Dibromoethane (CLP2)	7.28	7.33	7.30	0.025	+/- 0.075	4.53	1,2-Dibromoethane (CLP2)
ibromo-3-chloropropane (CLP2)	13.20	13.24	13.22	0.020	+/- 0.060	3.60	1,2-Dibromo-3-chloropropane (CL

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	158	**Date:**	8/3/12
Column 1 ID:	1050423	**File Name:**	ABAUG040
Column 2 ID:	1050422		

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
ECD Detector				
1,2-Dibromoethane (CLP1)	6.25	6.20	to	6.30
ibromo-3-chloropropane (CLP1)	11.68	11.63	to	11.73
-			to	
1,2-Dibromoethane (CLP2)	7.11	7.03	to	7.19
ibromo-3-chloropropane (CLP2)	12.95	12.89	to	13.01

00718

TRIMATRIX LABORATORIES

RETENTION TIME WINDOWS

Instrument Information		Column Temperature Program				Initial Temp:	40 C	
Instrument Number:	158	Hold for:	2 min	Ramp to:	155 C	deg/min:	8	
Detector:	ECD	Hold for:	0 min	Ramp to:	300 C	deg/min:	40	
Method/Column Reference:	8011	Hold for:	-	Ramp to:	-	deg/min:	-	
		Hold for:	-	Ramp to:	-	deg/min:	-	
		Injection Port Temperature					250	
Column 1 Element #:	1050423	Column 2 Element #:		1050422				

	Std 1 RT	Std 2 RT	Std 3 RT	Standard Deviation (min.)	RT Window Std. Dev. x 3 (min.)		Absolute Window (sec.)	Compound Name
Date of Injection	10/14/11	10/21/11	10/26/11					
Time of Injection	2:52 PM	2:29 PM	1:24 AM					
Compound / File Name	AB008110	AB008165	AB008239					
ECD Detector	-	-	-	-	-	-	-	ECD Detector
1,2-Dibromoethane (CLP1)	6.64	6.67	6.65	0.015	+/-	0.046	2.75	1,2-Dibromoethane (CLP1)
ibromo-3-chloropropane (CLP1)	12.14	12.16	12.13	0.015	+/-	0.046	2.75	1,2-Dibromo-3-chloropropane (CL
-					+/-			-
1,2-Dibromoethane (CLP2)	7.28	7.33	7.30	0.025	+/-	0.075	4.53	1,2-Dibromoethane (CLP2)
ibromo-3-chloropropane (CLP2)	13.20	13.24	13.22	0.020	+/-	0.060	3.60	1,2-Dibromo-3-chloropropane (CL

0719

TRIMATRIX LABORATORIES

DAILY RETENTION TIME WINDOWS

Instrument #:	158	Date:	8/16/12	
Column 1 ID:	1050423	File Name:	ABAUG222	
Column 2 ID:	1050422			

COMPOUND	RETENTION TIME	TODAY'S RETENTION TIME WINDOW		
ECD Detector				
1,2-Dibromoethane (CLP1)	6.26	6.21	to	6.31
bromo-3-chloropropane (CLP1)	11.63	11.58	to	11.68
-			to	
1,2-Dibromoethane (CLP2)	7.04	6.96	to	7.12
bromo-3-chloropropane (CLP2)	12.89	12.83	to	12.95

TRIMATRIX LABORATORIES

Instrument 158 HP5890	Date: 7/16/12	Date Archived: Sep JULY 2012	Analyst: BJA

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: A=RTXCLP B=RTXCLP2	Initial:						Column Clipped: Yes / No
Column ID: A= 1050423 B= 1050422	Hold:						New Injection Port Liner: Yes / No
Injection Volume: 1 uL	Rate:						New Septa: Yes / No
Injector / Detector: 240°C / 320°C	Final:						New Syringe: Yes / No
Method: 8081 / 8082 / 608 / 608.2 / 8011 / 8151 / 8121	Hold:						Shift Start Time:
Default Temperature Program: Yes / No							Shift Stop Time:

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
Hex	116	EDB6072A/B			
INST BLK	117	↓			
CCV1	118	↓		High	
Hex	119	EDB7162A/B			
INST BLK	120	↓			
L1	121	↓			
L2	122	↓			
L3	123	↓			
L4	124	↓			
L5	125	↓			
L6	126	↓			
SCV	127	↓		Pass	
1208585-BLK1	128	↓			
1208585-BS1	129	↓			
1208585-BSD1	130	↓			
1207098-01	131	↓			

50721

TRIMATRIX LABORATORIES

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
1208583-MS1	132	EDB 7162A/B			
1208583-MSD1	133				
1207098-02	134				
1207098-03	135				
1207057-01	136				
1207057-02	137				
CCV1	138			Pass	
1207122-01	139				
1207122-02	140				
LOD 0.01	141				
LOQ 0.02	142				
CCV2	143			Pass	
					BJH 7/16/12

SOP722

TRIMATRIX LABORATORIES

Instrument 158 HP5890	Date: 7/24/12	Date Archived: seq Jul42012	Analyst: BJH

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: A=RTXCLP B=RTXCLP2	Initial:						Column Clipped: Yes / No
Column ID: A= 1050423 B= 1050422	Hold:						New Injection Port Liner: Yes / No
Injection Volume: ~~1uL~~ 2uL	Rate:						New Septa: Yes / No
Injector / Detector: 240°C / 320°C	Final:						New Syringe: Yes / No
Method: 8081 / 8082 / 608 / 608.2 / 8011 / 8151 / 8121	Hold:						Shift Start Time:
Default Temperature Program: Yes / No							Shift Stop Time:

	Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
	Hex	219	EDB7162A/B			
	INST BLK	220	↓			
	CCV1	221			Pass	
	1208913-BLK1	222				
	1208913-BS1	223				
	1208913-BSD1	224				
	1207213-01	225				
*	1207213-02	226				
*	1207239-01	227				
	1207239-02	228				
	1207239-03	229				
*	1207258-01	230				
*	1207258-02	231				
	CCV2	232			Pass	
	1207258-03	233				
	1207292-01	234	↓			

027259

TRIMATRIX LABORATORIES

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
1207292-02	235	EDB7162A/B			
1207292-03	236	↓			
CCV3	237	↓		Pass	
					BJH 7/24/12

SST21

TRIMATRIX LABORATORIES

Instrument 158 HP5890	Date: 8/3/12	Date Archived: _____	Analyst: BJH

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: A=RTXCLP B=RTXCLP2	Initial:						Column Clipped: (Yes) No
Column ID: A= 1050423 B= 1050422	Hold:						New Injection Port Liner: Yes (No)
Injection Volume: ~~1uL~~ 2uL	Rate:						New Septa: Yes (No)
Injector / Detector: 240°C / 320°C	Final:						New Syringe: Yes / (No)
Method: 8081 / 8082 / 608 / 608.2 (8011) / 8151 / 8121	Hold:						Shift Start Time:
Default Temperature Program: (Yes) No							Shift Stop Time:

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
Hex	29	EDB7162A/B			
INST BLK	30	↓			
CCV1	31			High	
CCV1	32	↓		High	
INST BLK	33	EDB8032A/B			
L1	34				
L2	35				
L3	36				
L4	37				
L5	38				
L6	39				
SCV	40			Pass	
1209449-BLK1	41				
1209449-BS1	42				
1209449-BSD1	43				
1207370-01	44	↓			

02795

TRIMATRIX LABORATORIES

Run ID BJH 8/3/12	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
~~1207370~~ CCV1	45	EDB8032A/B		Pass	
1207370-02	46				
1207368-01	47				
1207368-02	48				
1207404-01	49				
1207404-02	50				
1208015-01	51				
1208015-02	52				
1208015-03	53				
1208057-01	54				
0.02 ~~CCV~~ LOQ	55				
CCV2	56			Pass	
					BJH 8/3/12

TRIMATRIX LABORATORIES

Instrument 158 HP5890	Date: 8/6/12	Date Archived:	Analyst: BSH

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: A=RTXCLP B=RTXCLP2	Initial:						Column Clipped: Yes / No
Column ID: A= 1050423 B= 1050422	Hold:						New Injection Port Liner: Yes / No
Injection Volume: ~~1uL~~ 2uL	Rate:						New Septa: Yes / No
Injector / Detector: 240°C / 320°C	Final:						New Syringe: Yes / No
Method: 8081 / 8082 / 608 / 608.2 / 8011 / 8151 / 8121	Hold:						Shift Start Time:
Default Temperature Program: Yes / No							Shift Stop Time:

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
L1	57	8121A			
INST BLK	58	EDB8032A/B			
INST BLK	59				
CCV1	60			Pass	
~~1209537-BLK1~~ ~~1207404-02~~	61		5X		~~200 ml diluted to 1 mL~~
~~CCV2~~ 1209537-BS1	62				
1209537-BSD1	63				
1207404-02	64				200 ml diluted to 1 mL
CCV2	65			Pass	
					BSH 8/6/12

BSH 8/6/12

96727

TRIMATRIX LABORATORIES

Instrument 158 HP5890	Date: 8/16/12	Date Archived: Seq AUG2012	Analyst: BOLA

Instrument Settings / Injection Volume	GC Program				CCV Standards		Routine Maintenance Items
Column Type: A=RTXCLP B=RTXCLP2	Initial:						Column Clipped: Yes (No)
Column ID: A= 1050423 B= 1050422	Hold:						New Injection Port Liner: Yes (No)
Injection Volume: ~~1uL~~ 2uL	Rate:						New Septa: Yes (No)
Injector / Detector: 240°C / 320°C	Final:						New Syringe: Yes (No)
Method: 8081 / 8082 / 608 / 608.2 (8011) / 8151 / 8121	Hold:						Shift Start Time:
Default Temperature Program: (Yes) / No							Shift Stop Time:

Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
Hex	211	EDB8032A/B			
INST BLK	212	↓			
CCV1	213	↓		A High B Low	Re-Cal
Hex	214	EDB08162A/B			
INST BLK	215	↓			
L1	216	↓			
L2	217	↓			
L3	218	↓			
L4	219	↓			
L5	220	↓			
L6	221	↓			
SCV	222	↓		Pass	
1209122-BLK1	223	↓			
1209122-BS1	224	↓			
1209121-BSD1	225	↓			
1208177-01	226	↓			

89728

TRIMATRIX LABORATORIES

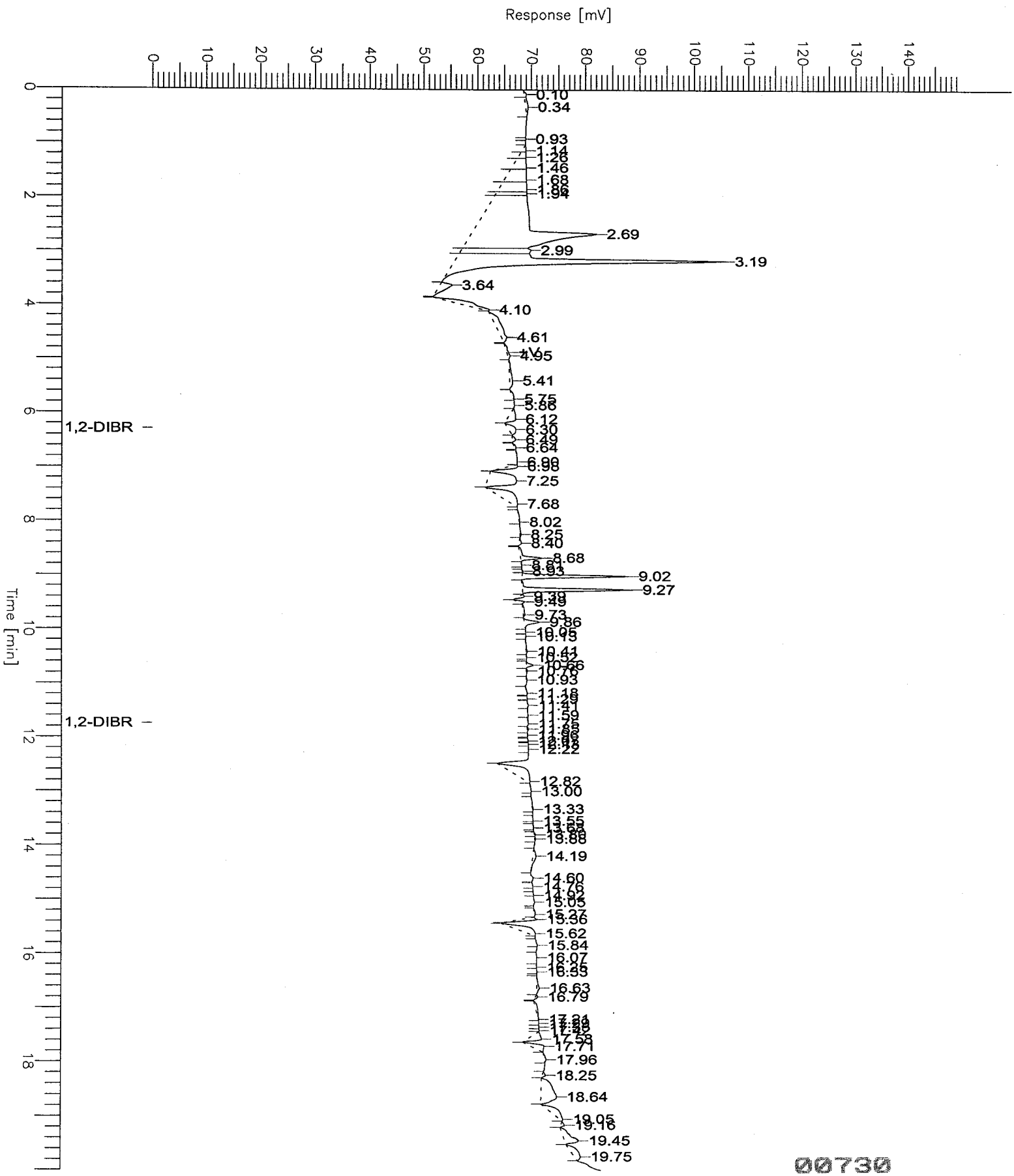
Run ID	File ID	Analysis Method	Dilution	ICV/CCV Check (Pass or High/Low)	Sample Notes, Calibration Standards, PEM Injection Times, Analytical Batch Information, etc.
1209922-MS1	227	EDB08162A/B			
1209922-MSD1	228				
1208177-02	229				
1208177-03	230				
1208169-01	231				
1208169-02	232				
CCV1	233			Pass	
1208170-01	234				
1208170-02	235				
1208192-01	236				
CCV2	237			Pass	
					BSH 8/16/12

09729

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\JULY2012\AJUL120.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 7/16/12 Page 1 of 1
Date : 7/17/12 08:34
Time of Injection: 7/16/12 15:25
Low Point : 0.00 mV High Point : 150.00 mV
Plot Scale: 150.0 mV



00730

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 7/16/12
Operator : BJH

Time : 7/17/12 08:34
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

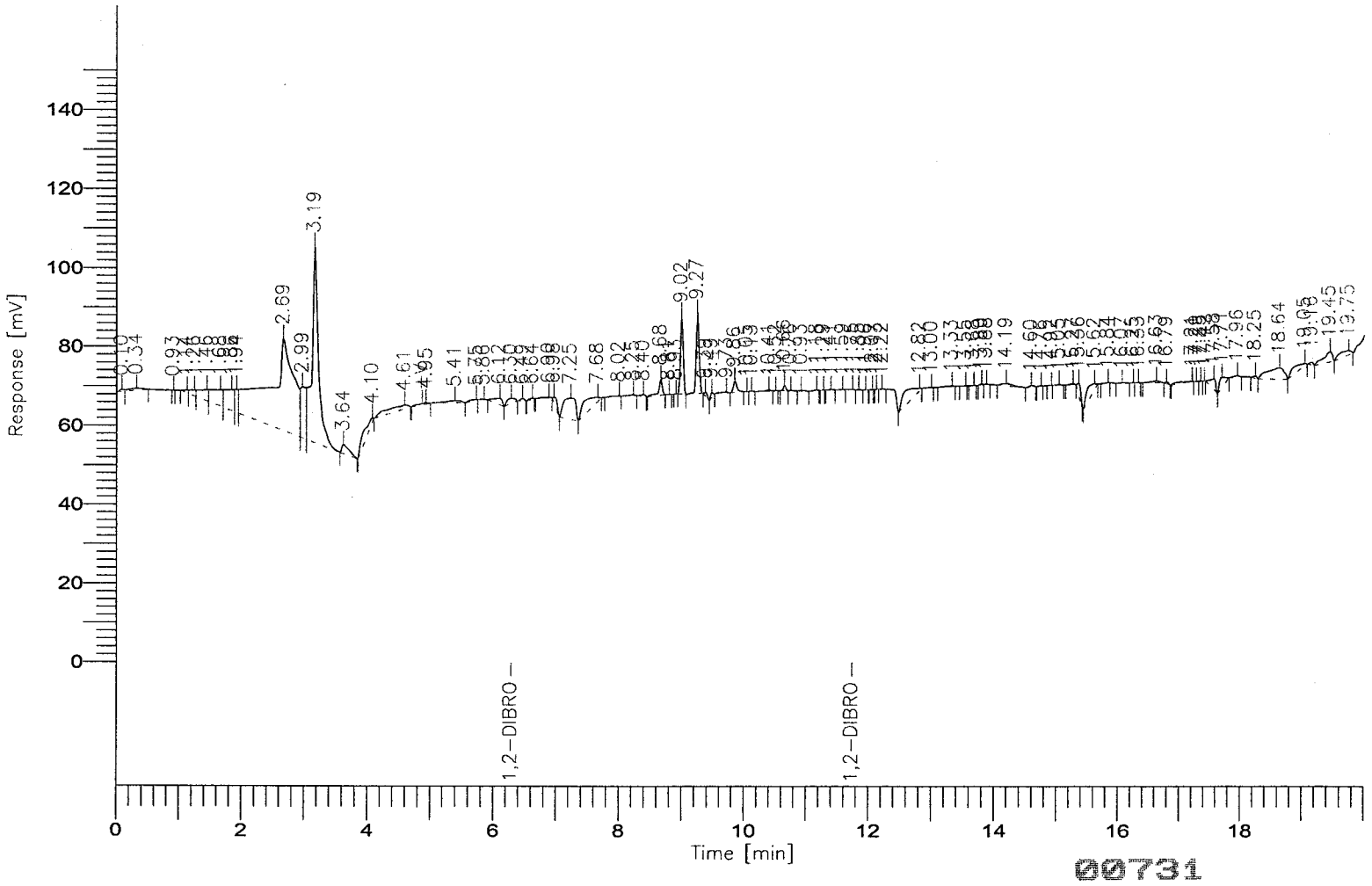
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 15:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL120.RAW
Result File : C:\TC4\158\JULY2012\AJUL120.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\AJUL120.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00731

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

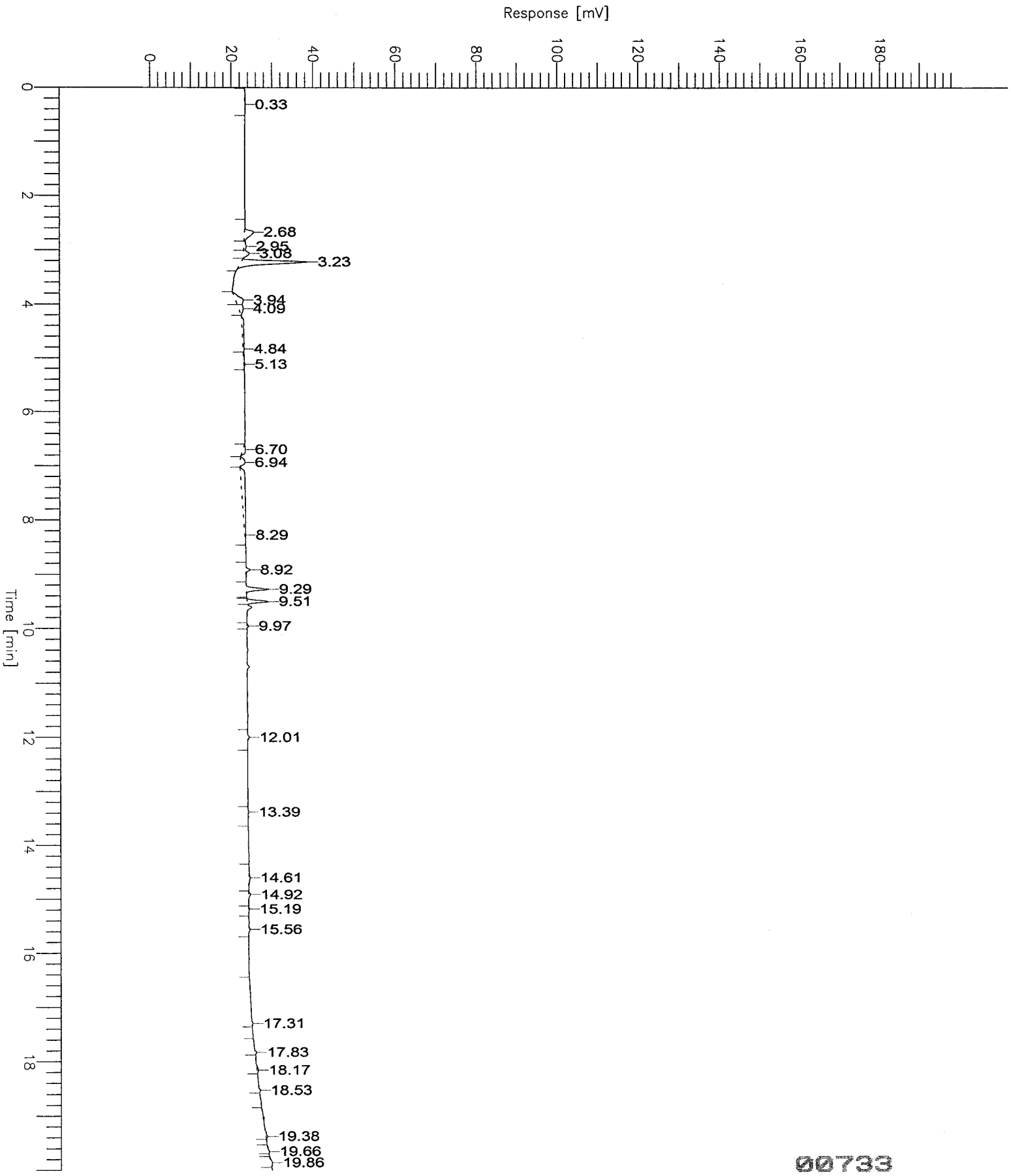
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.30	1,2-DIBROMOETHANE	-0.0003	1279.21	12626.50	35	2	-0.01639
11.75	1,2-DIBROMO3CHLOROPR	-0.0002	149.71	673.00	35	2	-0.01046
			1428.92	13299.50			

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL120.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\JULY2012\BJUL120.raw
Method : EDB6072A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 7/16/12 Page 1 of 1
Date : 7/17/12 08:17
Time of Injection: 7/16/12 15:25
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00733

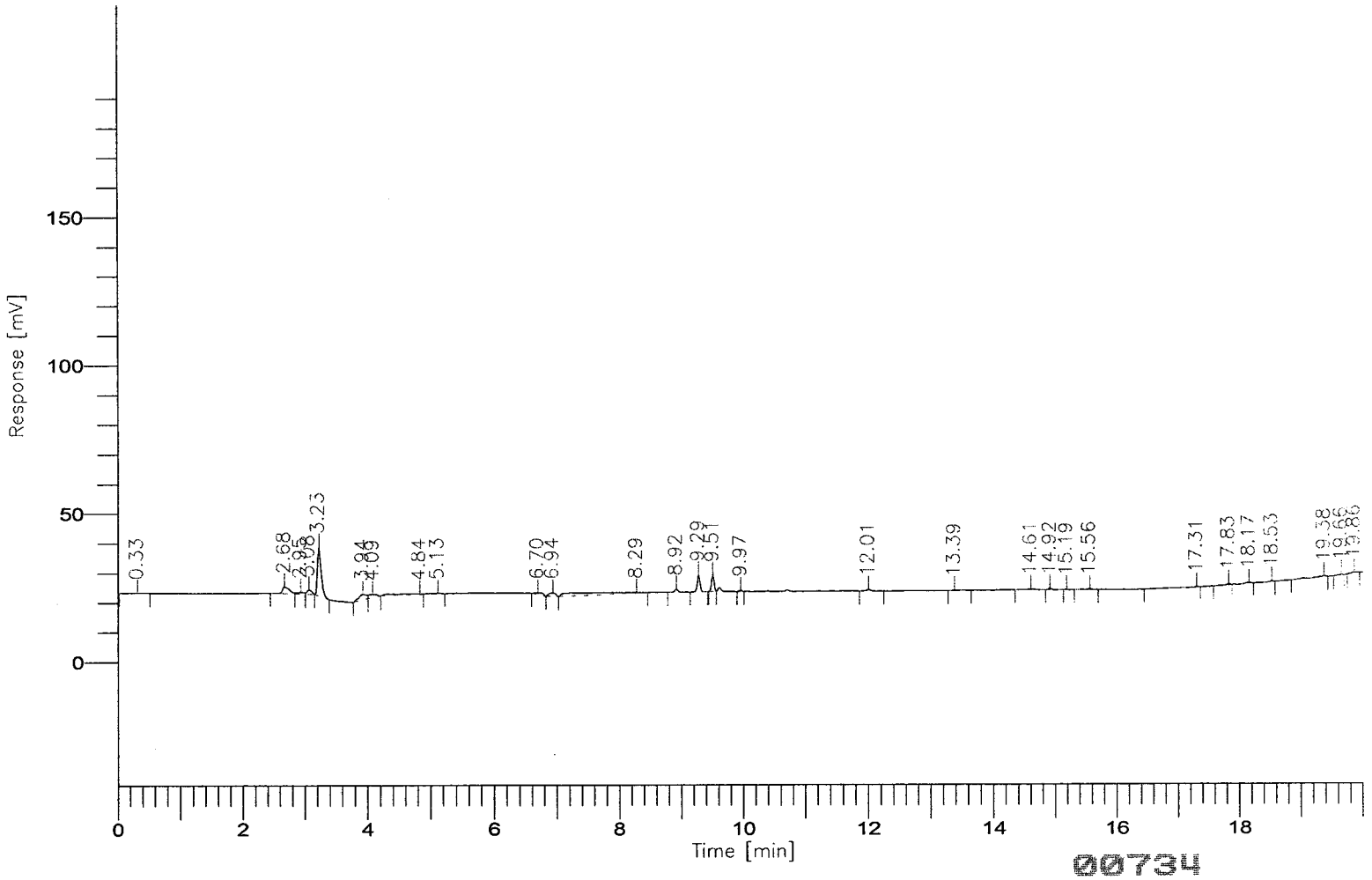
Software Version: 4.1<2F12>
Sample Name : INST BLK Time : 7/17/12 08:17
Sample Number: 7/16/12 Study : 8011
Operator : BJH

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 7/16/12 15:25
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL120.RAW
Result File : C:\TC4\158\JULY2012\BJUL120.RST
Inst Method : C:\TC4\158\JULY2012\EDB6072A from C:\TC4\158\JULY2012\BJUL120.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00734

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

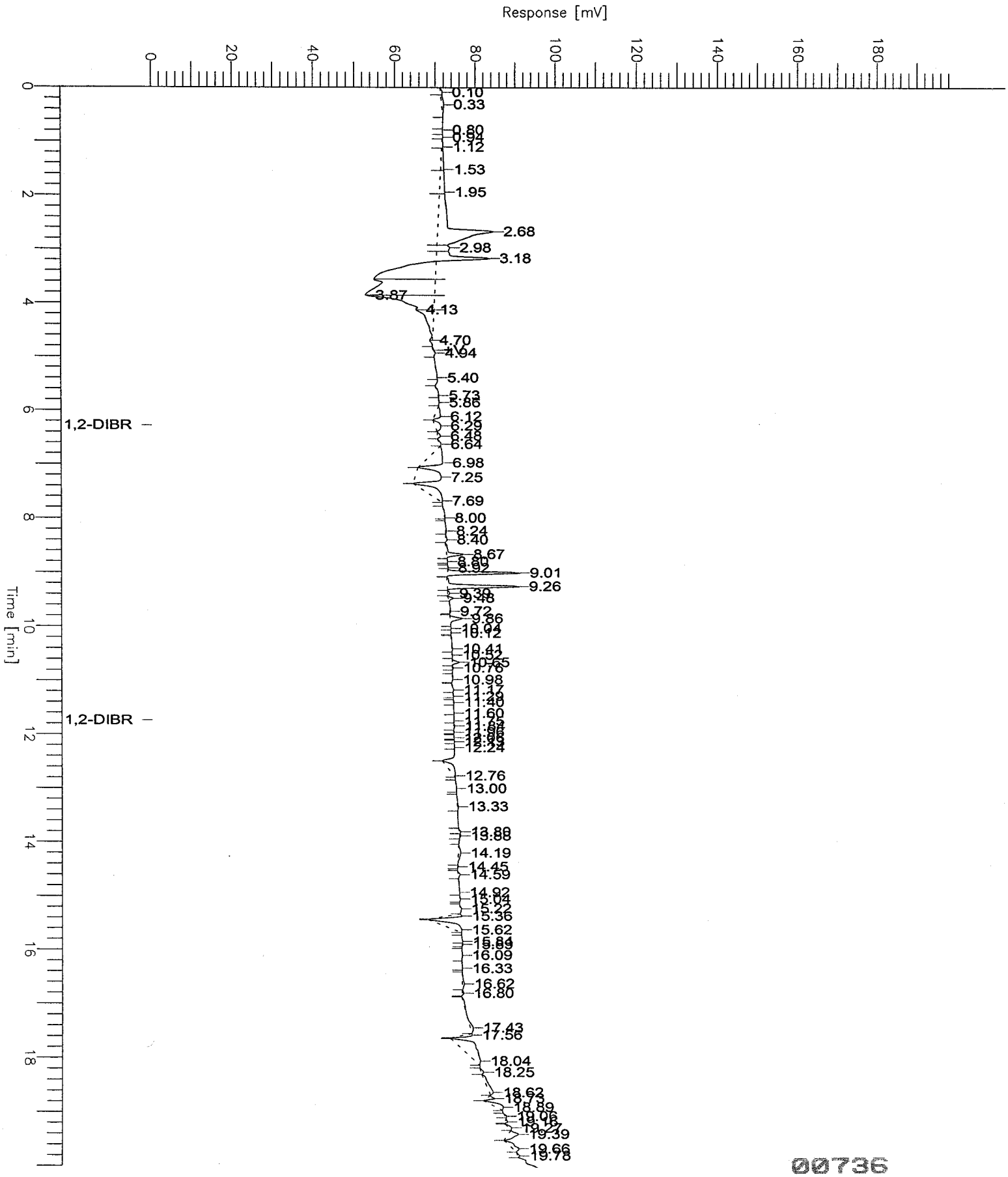
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			0.00	0.00			

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL120.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\JULY2012\AJUL220.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 7/24/12 Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 12:51
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00736

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 7/24/12
Operator : BJH

Time : 7/25/12 08:40
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

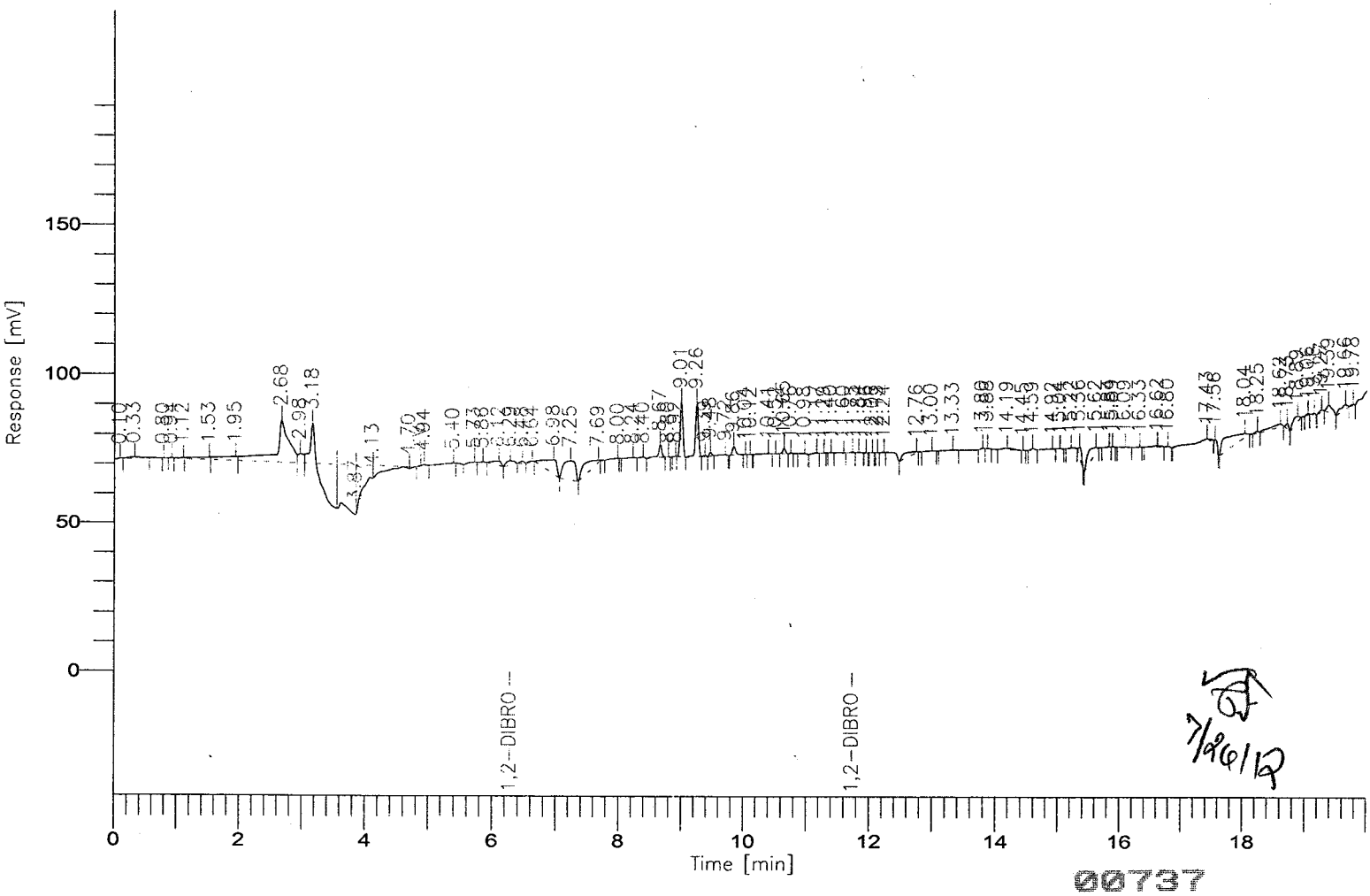
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 12:51
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\AJUL220.RAW
Result File : C:\TC4\158\JULY2012\AJUL220.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\AJUL220.
Proc Method : C:\TC4\158\JULY2012\EDB7162A.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162A.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

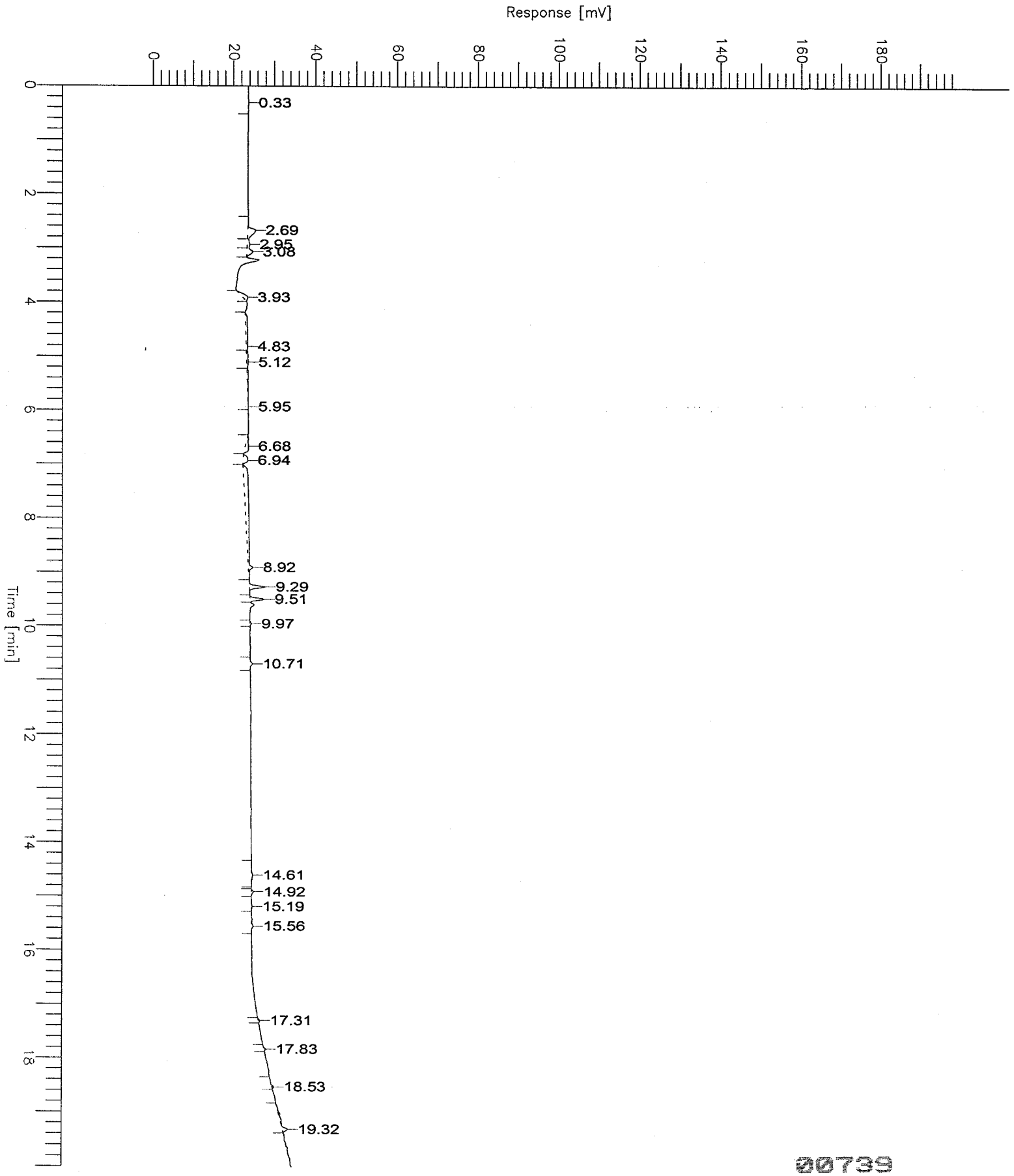
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.29	1,2-DIBROMOETHANE	-0.0003	1411.02	13593.50	35	2	-0.01509	<MDL
11.75	1,2-DIBROMO3CHLOROPR	-0.0002	59.48	316.00	35	2	-0.01104	
			1470.51	13909.50				

Report stored in ASCII file: C:\TC4\158\JULY2012\AJUL220.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\JULY2012\BJUL220.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 7/24/12 Page 1 of 1
Date : 7/25/12 08:40
Time of Injection: 7/24/12 12:51
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00739

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 7/24/12
Operator : BJH

Time : 7/25/12 08:40
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

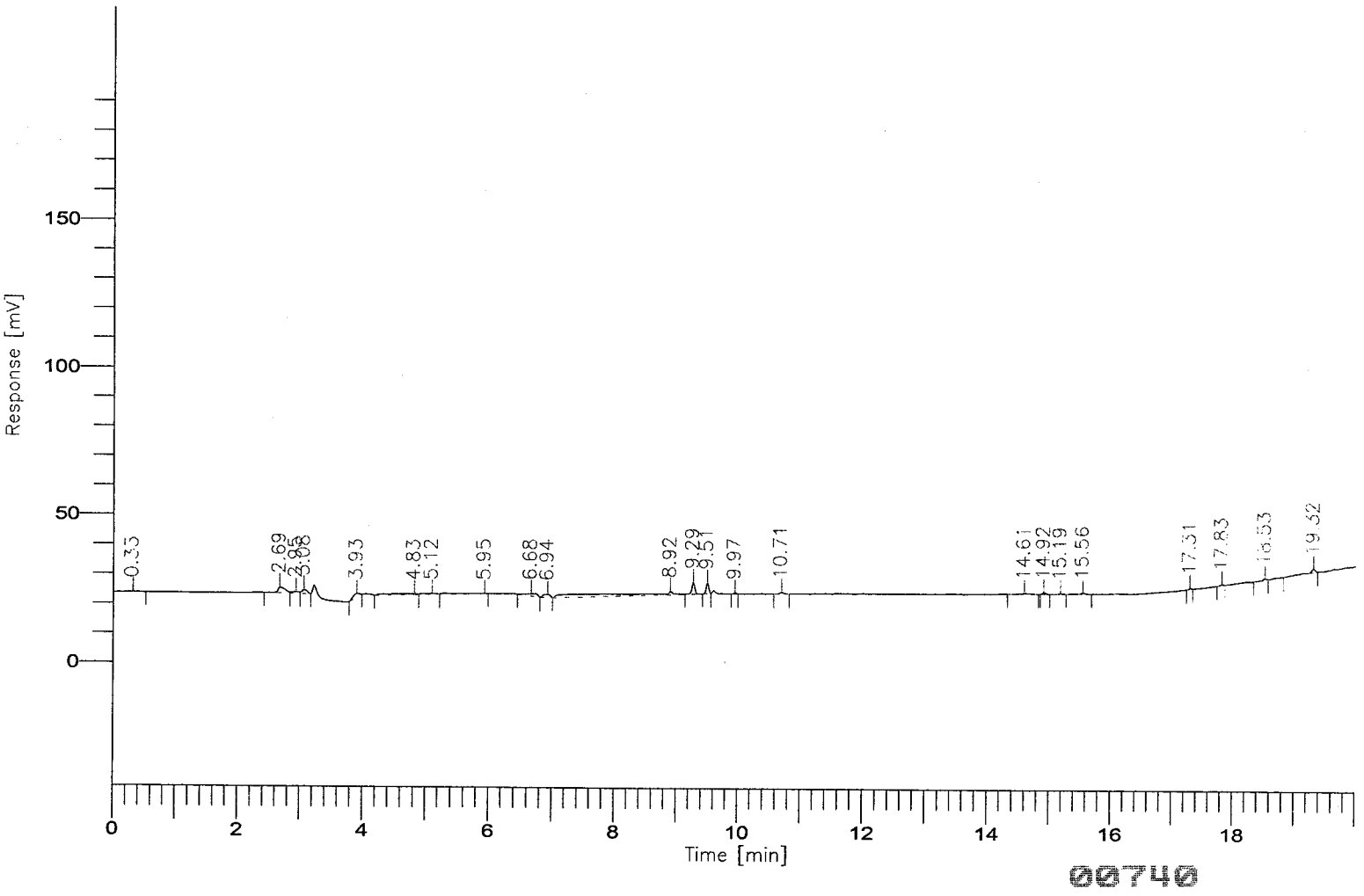
Channel : B A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 7/24/12 12:51
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\JULY2012\BJUL220.RAW
Result File : C:\TC4\158\JULY2012\BJUL220.RST
Inst Method : C:\TC4\158\JULY2012\EDB7162A from C:\TC4\158\JULY2012\BJUL220.
Proc Method : C:\TC4\158\JULY2012\EDB7162B.mth
Calib Method : C:\TC4\158\JULY2012\EDB7162B.mth
Sequence File : C:\TC4\158\JULY2012\JULY2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00740

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

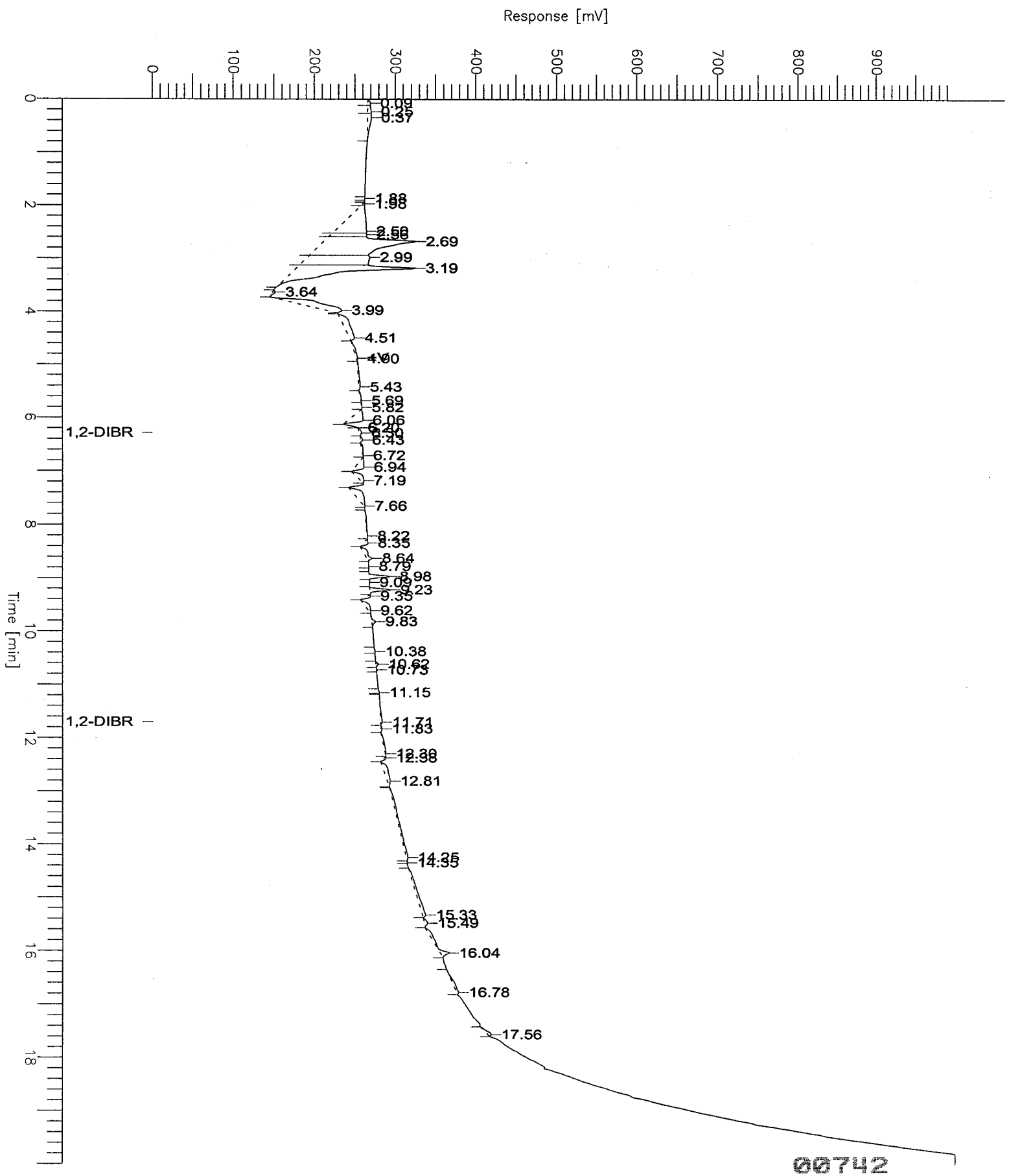
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.12	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	<MDL
12.98	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

Report stored in ASCII file: C:\TC4\158\JULY2012\BJUL220.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Aaug033.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/3/12 Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 10:10
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00742

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 8/3/12
Operator : JMF

Time : 8/3/12 13:58
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

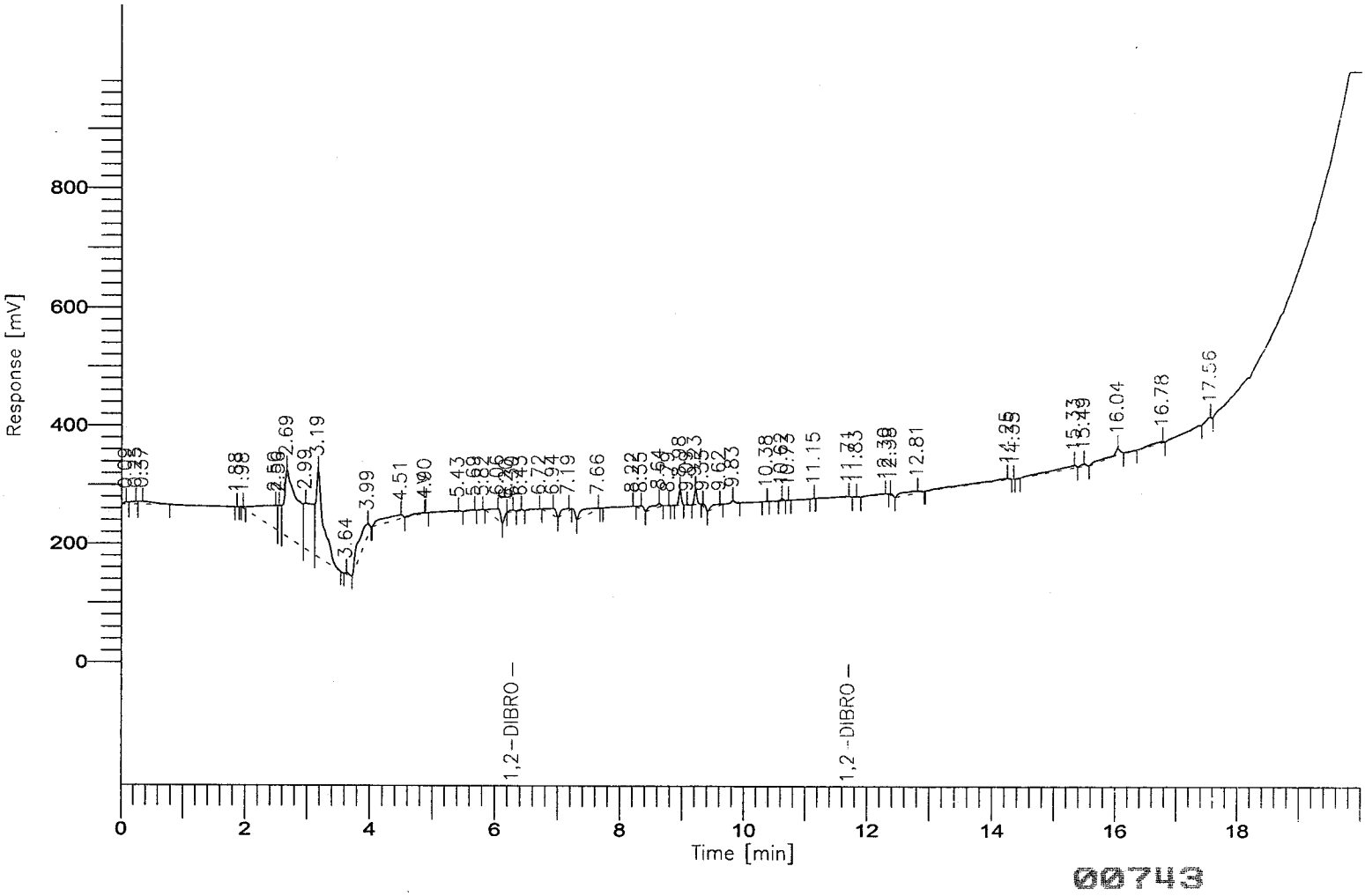
Channel : A A/D mV Range : 1000

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 10:10
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG033.RAW
Result File : C:\TC4\158\AUG2012\AAUG033.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\AAUG033.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00743

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.30	1,2-DIBROMOETHANE	-0.0001	2800.66	18957.00	35	2	-0.00358	<MDL
11.71	1,2-DIBROMO3CHLOROPR	0.0001	1767.87	26011.50	35	2	0.00648	
			4568.53	44968.50				

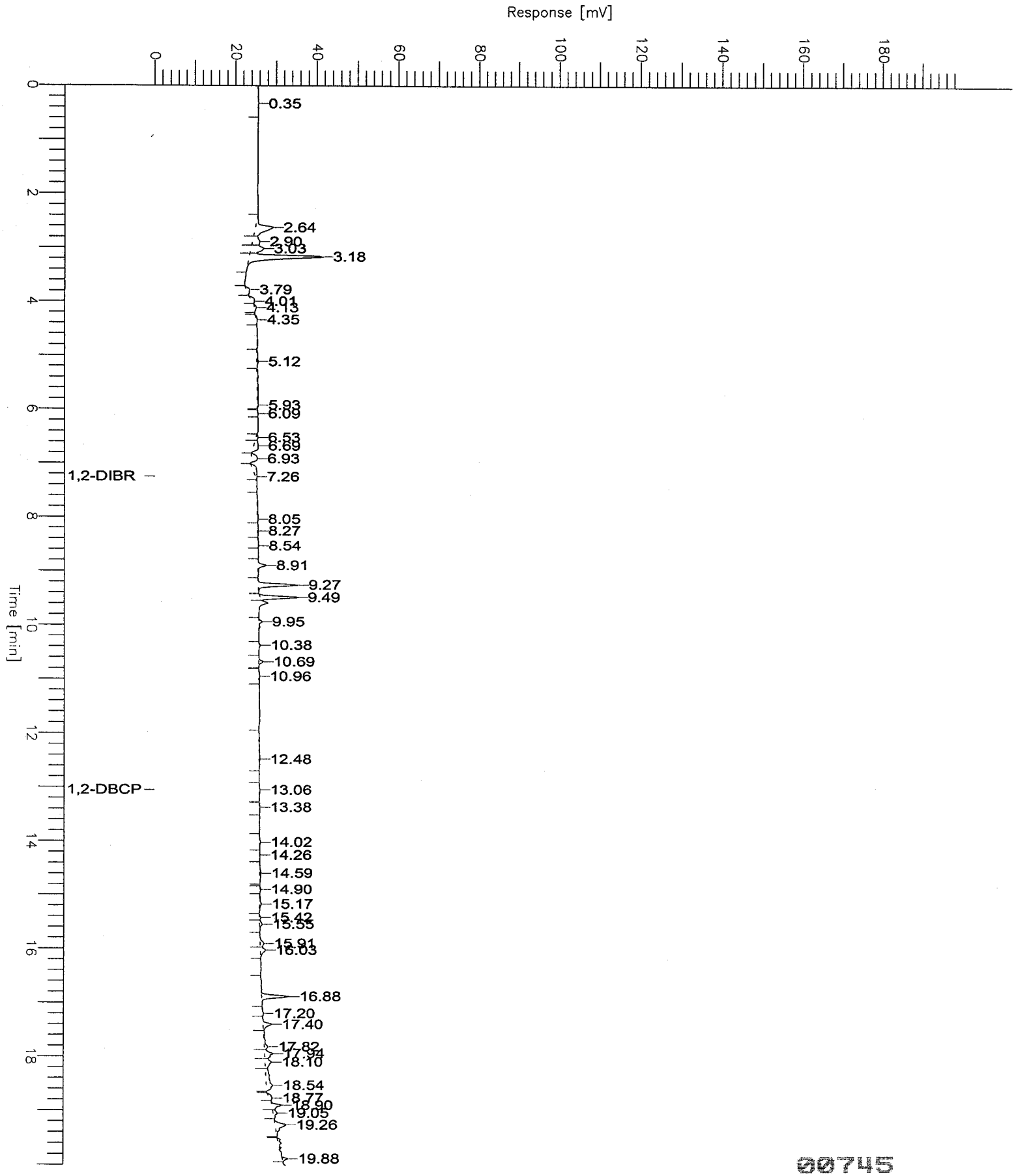
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG033.TX0

ASC 8/6/12

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Baug033.raw
Method : EDB7162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/3/12 Page 1 of 1
Date : 8/3/12 13:58
Time of Injection: 8/3/12 10:10
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00745

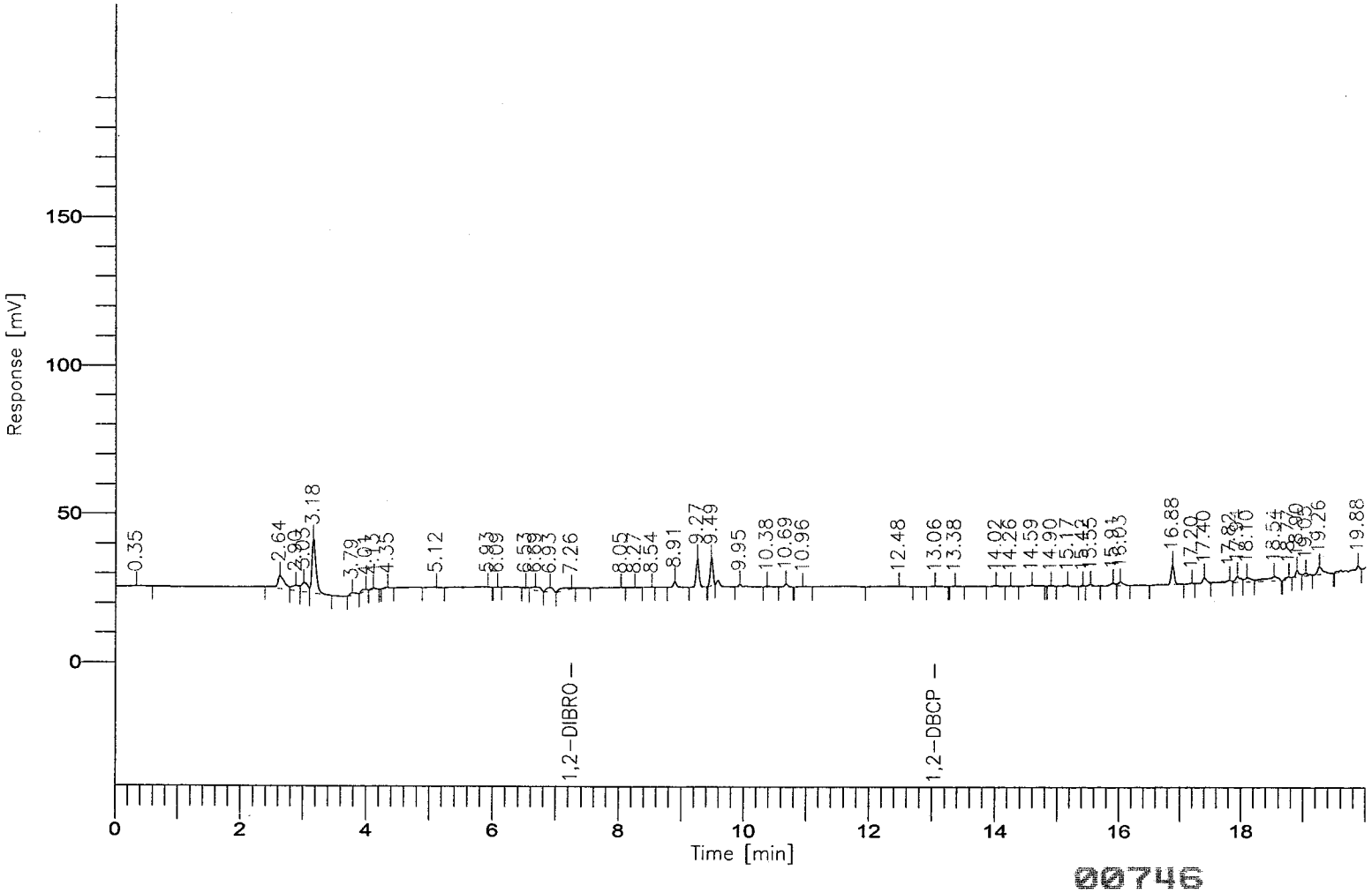
Software Version: 4.1<2F12>
Sample Name : INST BLK Time : 8/3/12 13:58
Sample Number: 8/3/12 Study : 8011
Operator : JMF

Instrument : 158 Channel : B A/D mV Range : 1000
AutoSampler :
Rack/Vial : 0/0

Interface Serial # : 2119574781 Data Acquisition Time: 8/3/12 10:10
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG033.RAW
Result File : C:\TC4\158\AUG2012\BAUG033.RST
Inst Method : C:\TC4\158\AUG2012\EDB7162A from C:\TC4\158\AUG2012\BAUG033.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul Area Reject : 0.000000
Sample Amount : 1.0000 Dilution Factor : 1.00



00746

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.26	1,2-DIBROMOETHANE (2	-0.0003	369.10	11828.00	35	2	-0.01581
13.06	1,2-DBCP (2C)	0.0000	160.15	1332.50	35	2	0.00152
			529.25	13160.50			

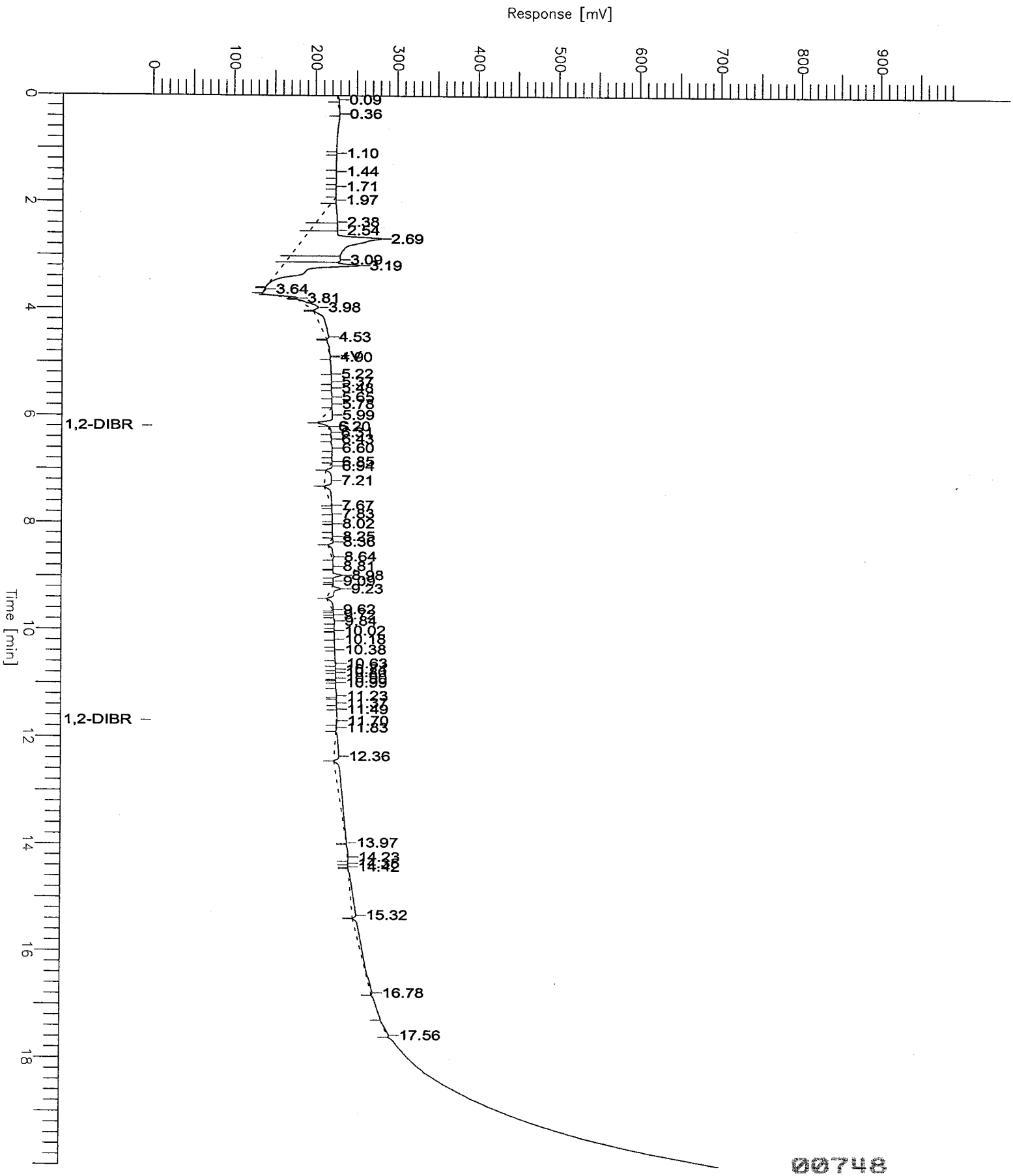
Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG033.TX0

ASC 8/6/12

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Aaug059.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/6/12 Page 1 of 1
Date : 8/6/12 13:24
Time of Injection: 8/6/12 09:45
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00748

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 8/6/12
Operator : ~~ASC~~ BJH 8/6/12

Time : 8/6/12 13:24
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

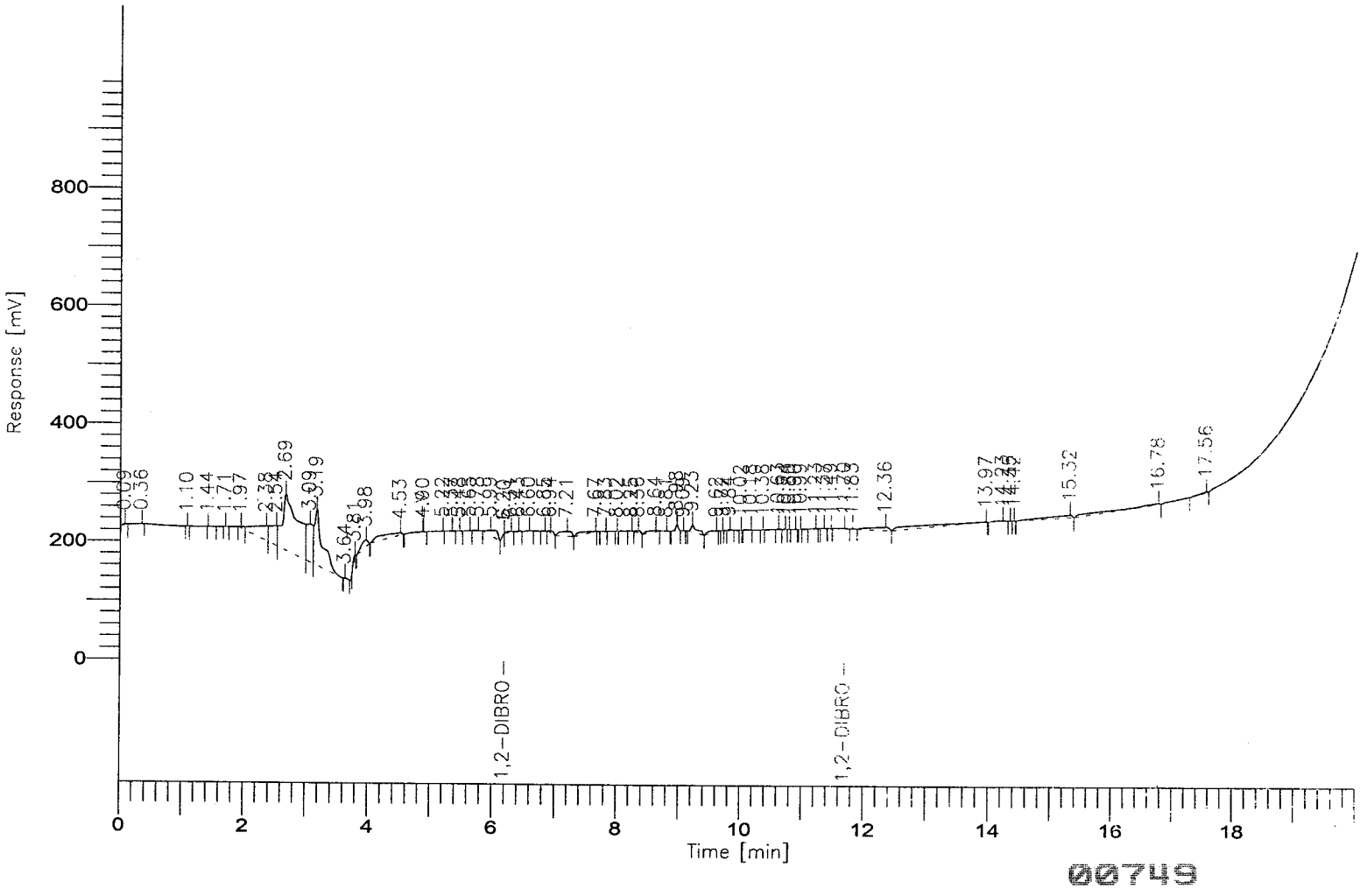
Channel : A A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 09:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG059.RAW
Result File : C:\TC4\158\AUG2012\AAUG059.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG059.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00749

TriMatrix Laboratories GC158 EPA METHOD 8011

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Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

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Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
6.20	1,2-DIBROMOETHANE	-0.0003	0.00	9693.00	35	2	-0.01844	LMDL
11.70	1,2-DIBROMO3CHLOROPR	0.0001	1007.87	8239.00	35	2	0.00369	
			1007.87	17932.00				

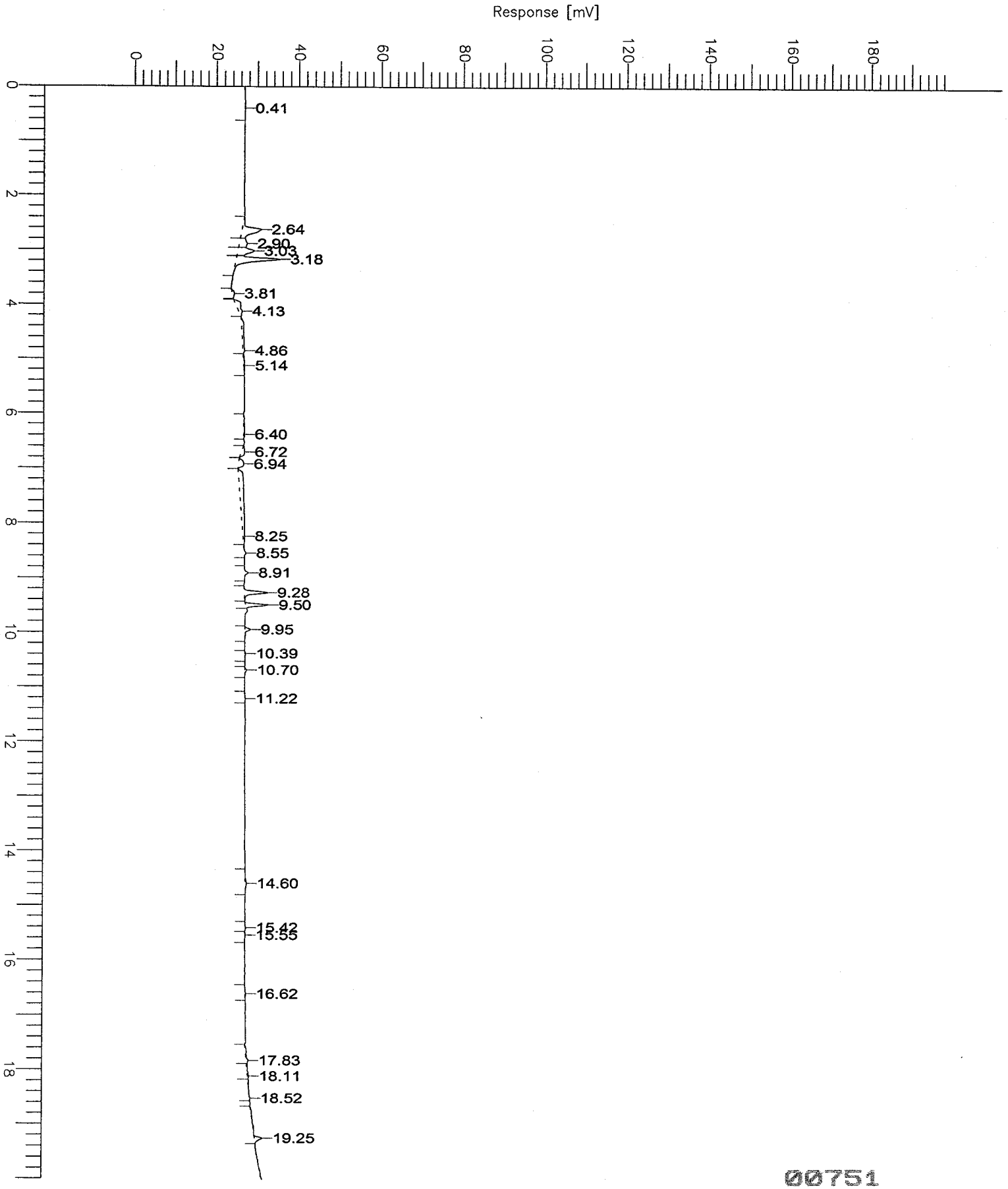
Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG059.TX0

ASC 8/10/12

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Baug059.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/6/12 Page 1 of 1
Date : 8/6/12 13:24
Time of Injection: 8/6/12 09:45
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00751

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 8/6/12
Operator : ~~ASC~~ BJH 8/6/12

Time : 8/6/12 13:24
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

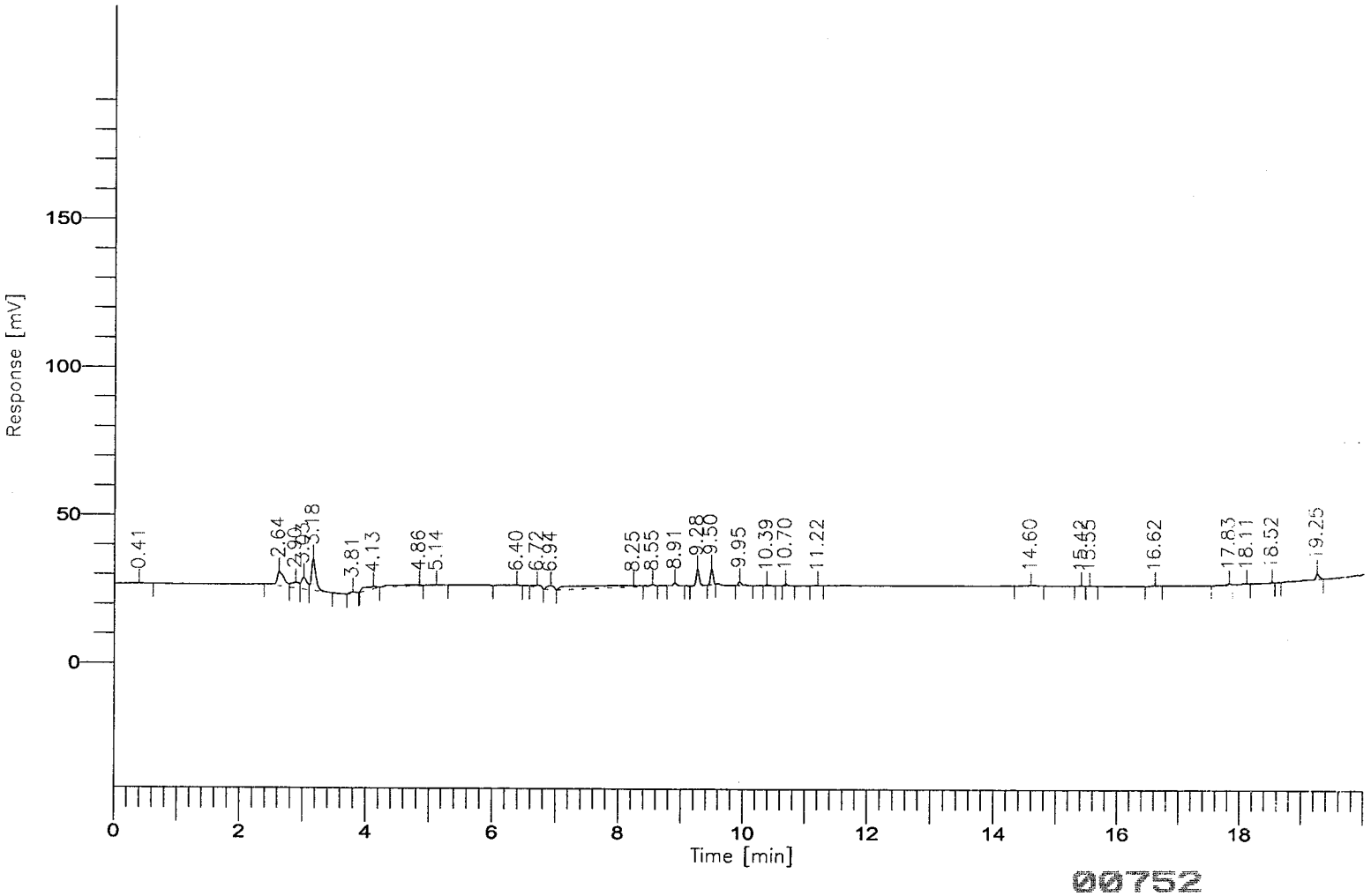
Channel : B A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/6/12 09:45
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG059.RAW
Result File : C:\TC4\158\AUG2012\BAUG059.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG059.RS
Proc Method : C:\TC4\158\AUG2012\EDB8032B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8032B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00752

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)	
7.11	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000	LMDL
12.95	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000	
			0.00	0.00				

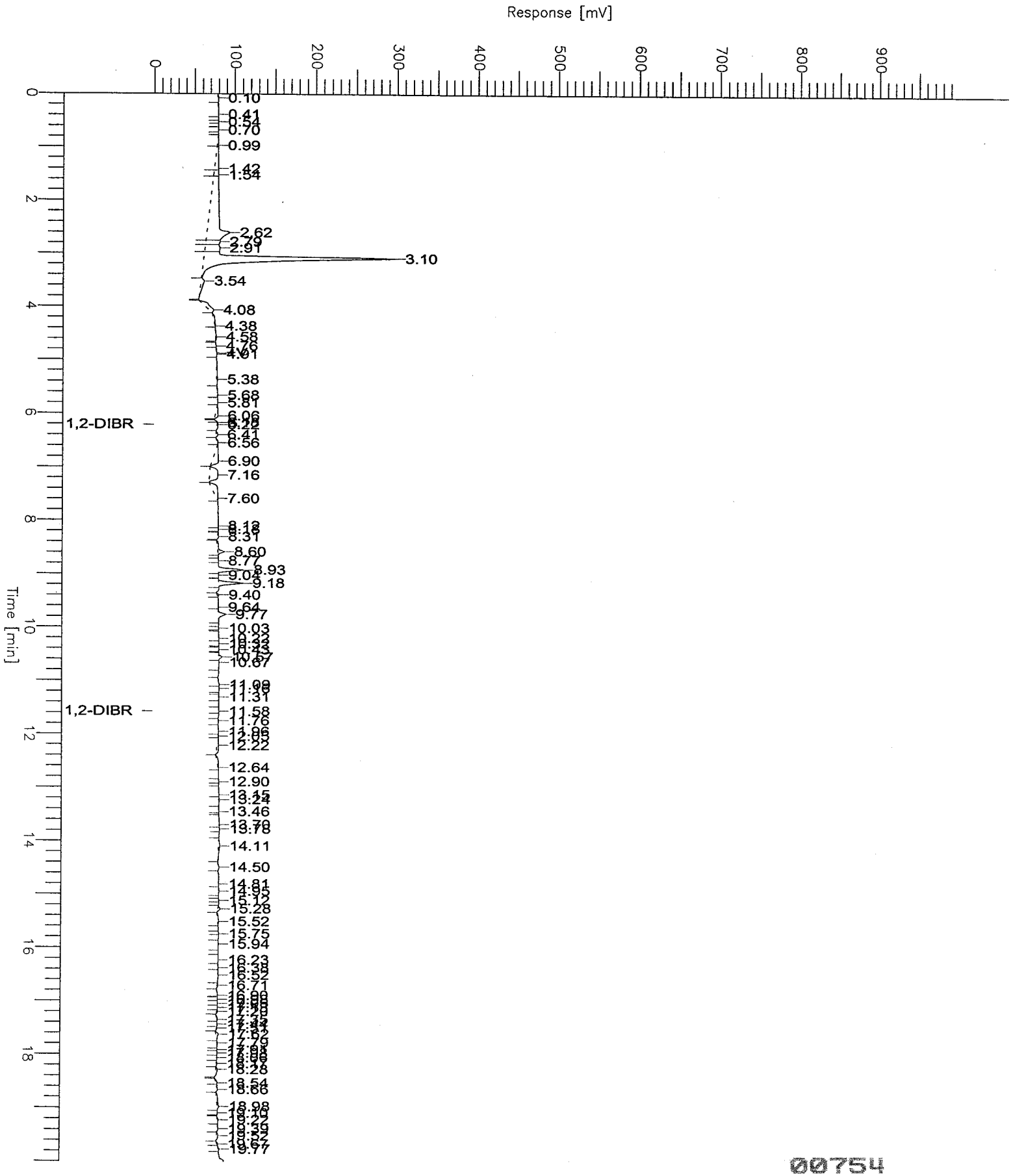
Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG059.TX0

ASC 8/6/12

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Aaug215.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 10:41
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number:
Operator : ASC

Time : 8/17/12 08:12
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

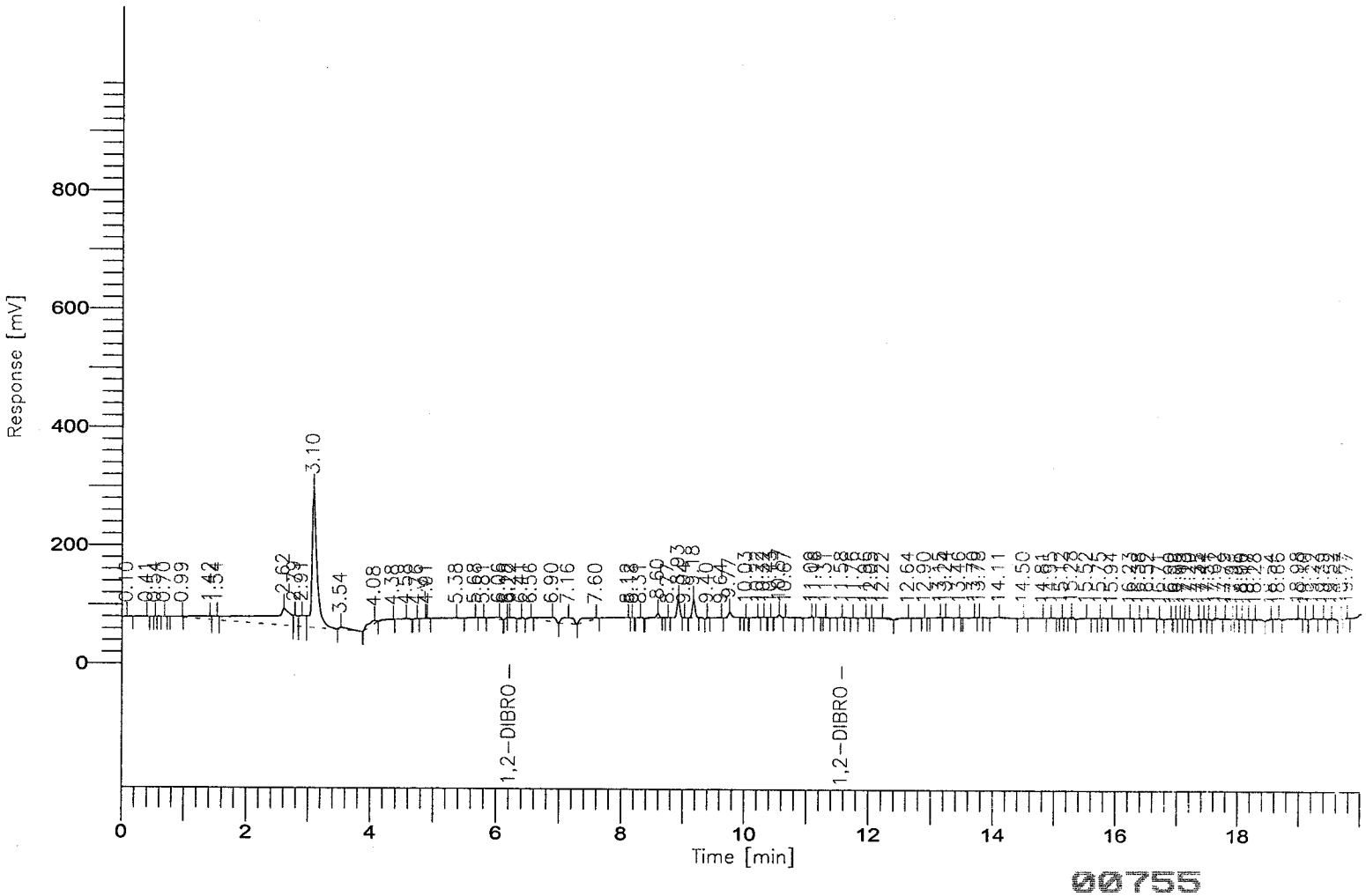
Channel : A A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 10:41
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG215.RAW
Result File : C:\TC4\158\AUG2012\AAUG215.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\AAUG215.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00755

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

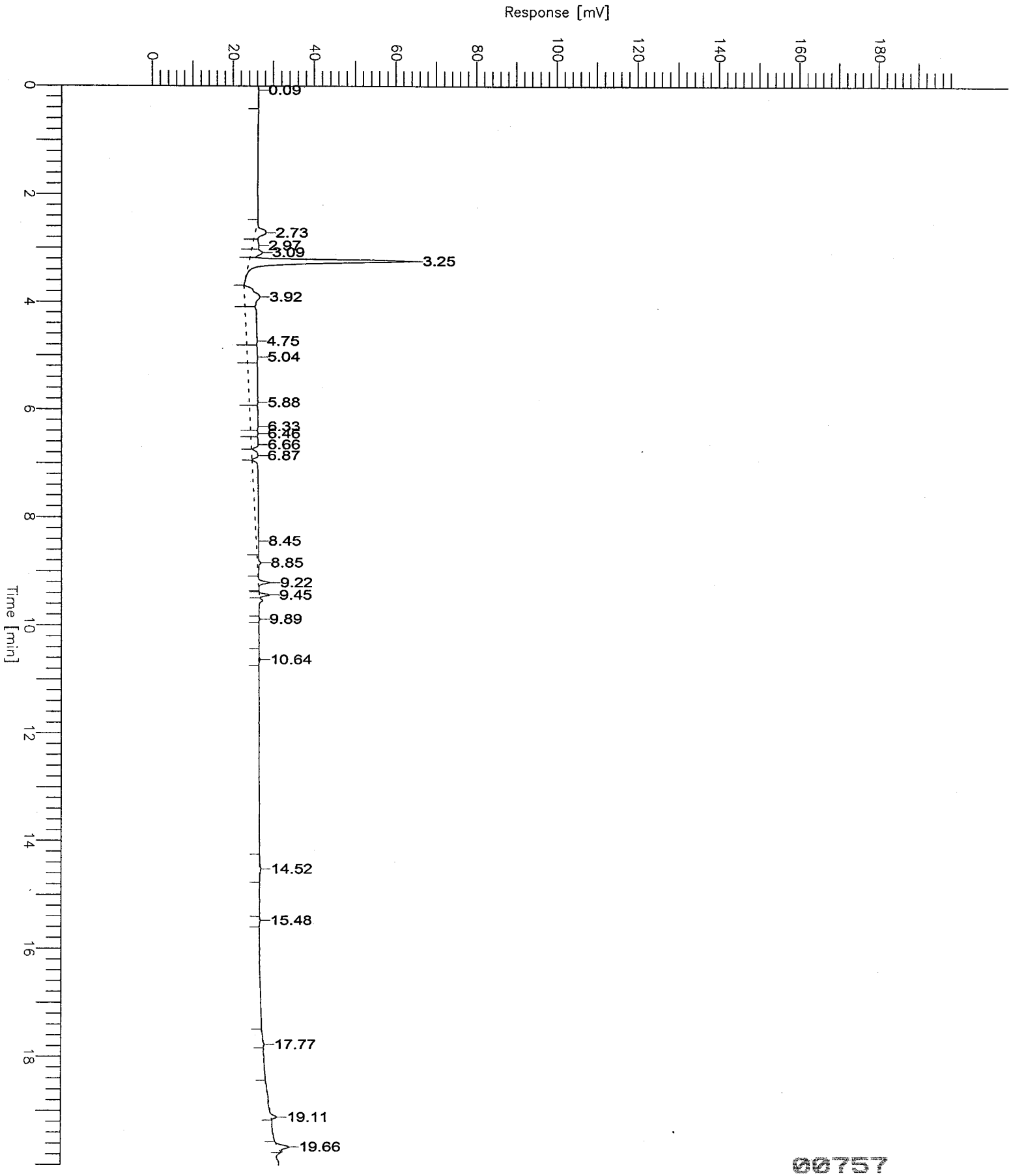
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.22	1,2-DIBROMOETHANE	-0.0003	865.28	7323.00	35	2	-0.01959
11.58	1,2-DIBROMO3CHLOROPR	-0.0003	68.00	247.00	35	2	-0.01998
			933.28	7570.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG215.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Baug215.raw
Method : EDB8032A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 8/17/12 08:12
Time of Injection: 8/16/12 10:41
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00757

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number:
Operator : ASC

Time : 8/17/12 08:12
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

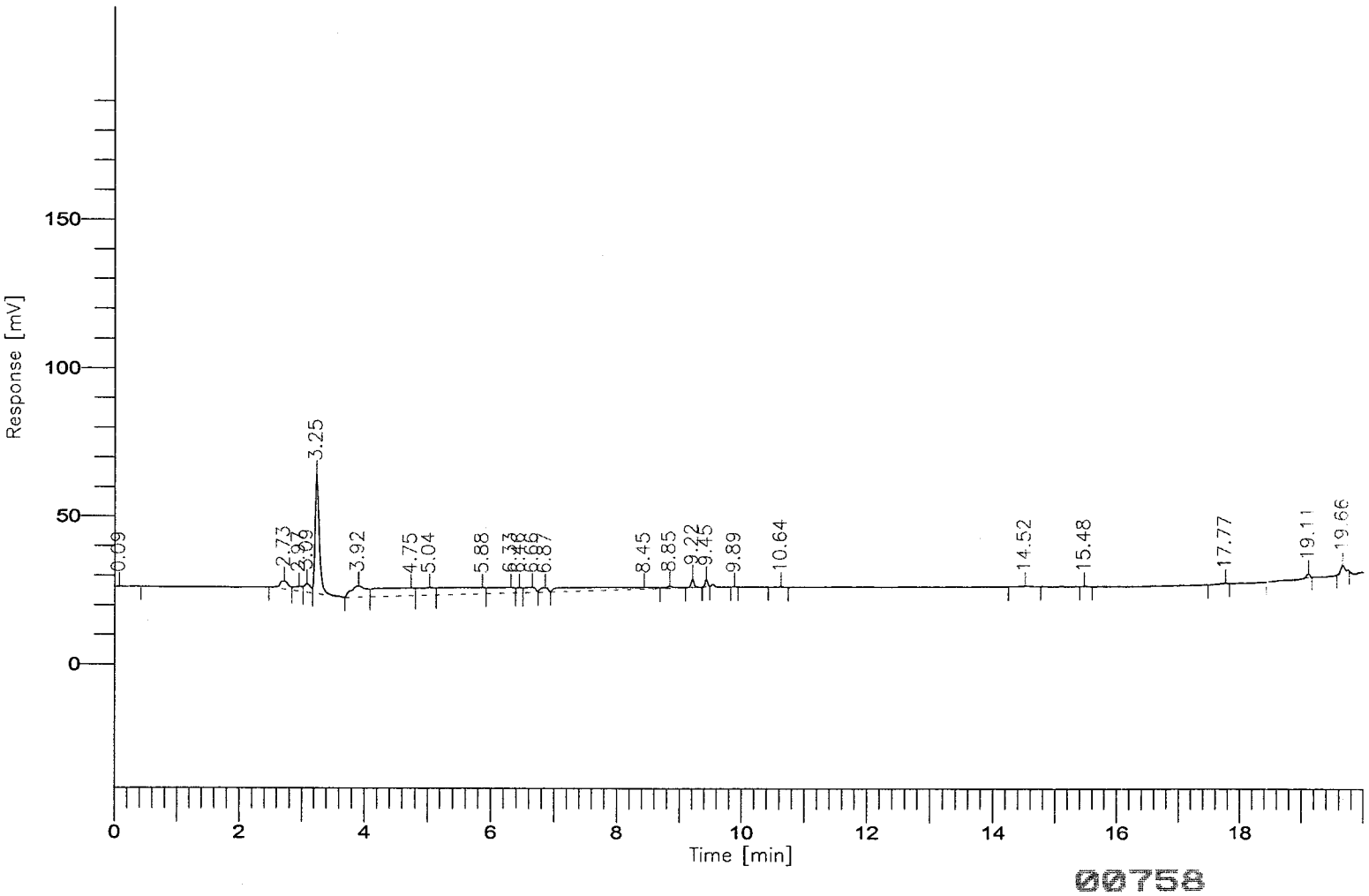
Channel : B A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/16/12 10:41
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG215.RAW
Result File : C:\TC4\158\AUG2012\BAUG215.RST
Inst Method : C:\TC4\158\AUG2012\EDB8032A from C:\TC4\158\AUG2012\BAUG215.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00758

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

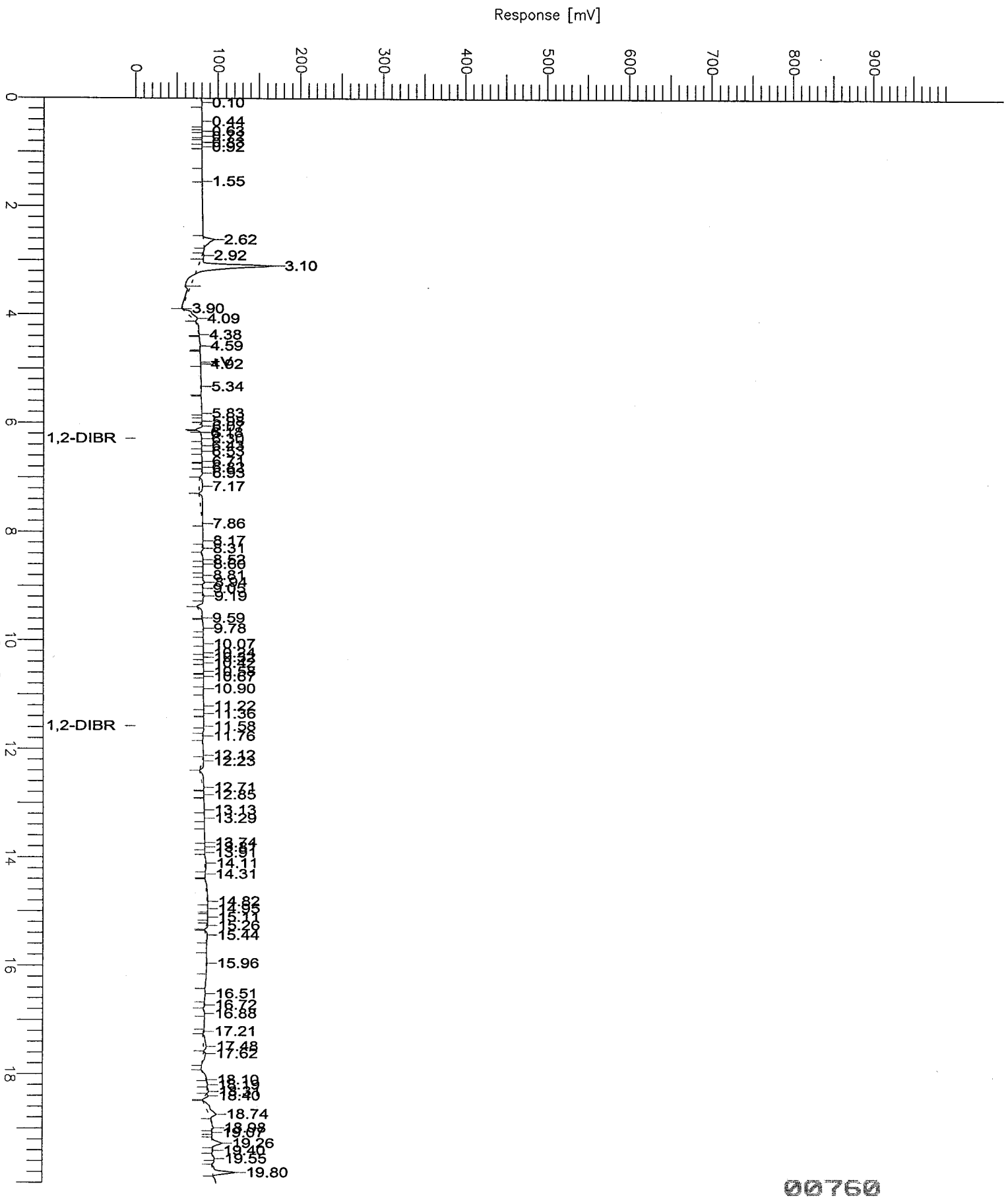
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
7.04	1,2-DIBROMOETHANE (2	0.0000	0.00	0.00	35	2	0.00000
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			0.00	0.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG215.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Aaug239.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/17/12 Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 08:48
Low Point : 0.00 mV High Point : 1000.00 mV
Plot Scale: 1000.0 mV



00760

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 8/17/12
Operator : BJH

8/20/12

Time : 8/17/12 11:24
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

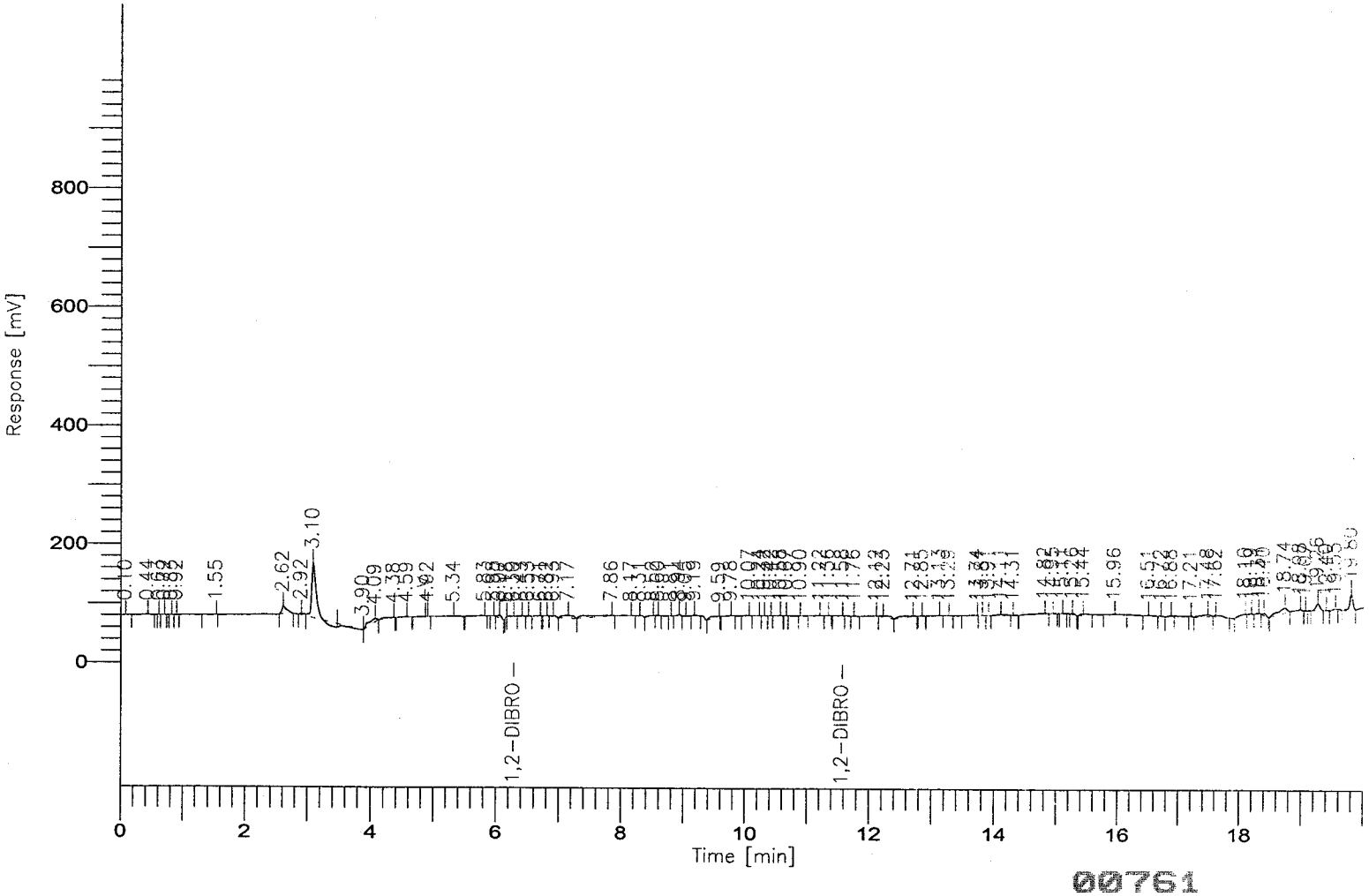
Channel : A A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 08:48
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\AAUG239.RAW
Result File : C:\TC4\158\AUG2012\AAUG239.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\AAUG239.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162A.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162A.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00761

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

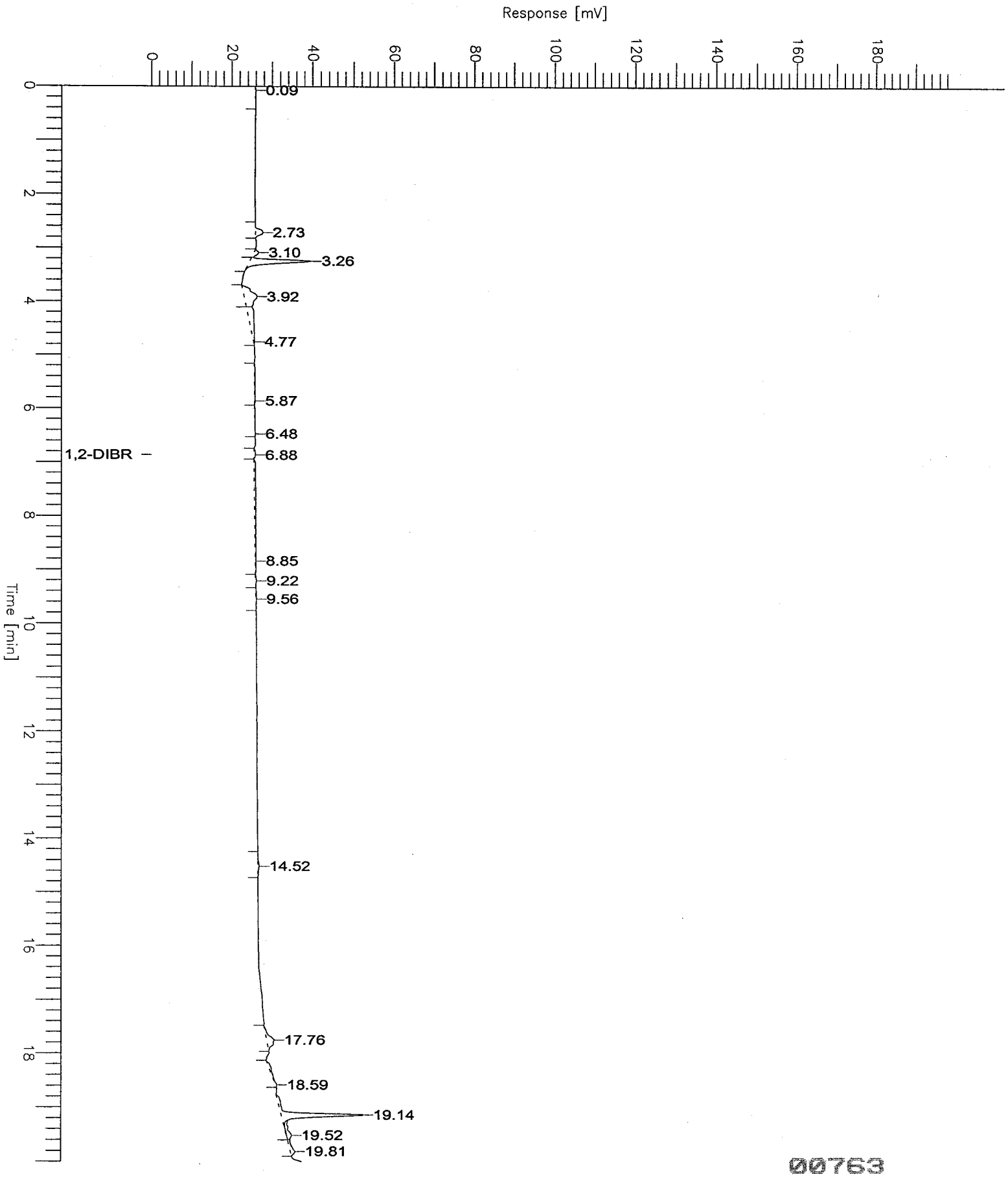
Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.30	1,2-DIBROMOETHANE	-0.0004	657.87	5806.00	35	2	-0.02062
11.58	1,2-DIBROMO3CHLOROPR	-0.0004	44.00	426.00	35	2	-0.02005
			701.87	6232.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\AAUG239.TX0

Chromatogram

Sample Name : INST BLK
FileName : C:\TC4\158\AUG2012\Baug239.raw
Method : EDB8162A
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: 0.0 Plot Offset: 0 mV

Sample #: 8/17/12 Page 1 of 1
Date : 8/17/12 11:24
Time of Injection: 8/17/12 08:48
Low Point : 0.00 mV High Point : 200.00 mV
Plot Scale: 200.0 mV



00763

Software Version: 4.1<2F12>
Sample Name : INST BLK
Sample Number: 8/17/12
Operator : BJH

Time : 8/17/12 11:24
Study : 8011

Instrument : 158
AutoSampler :
Rack/Vial : 0/0

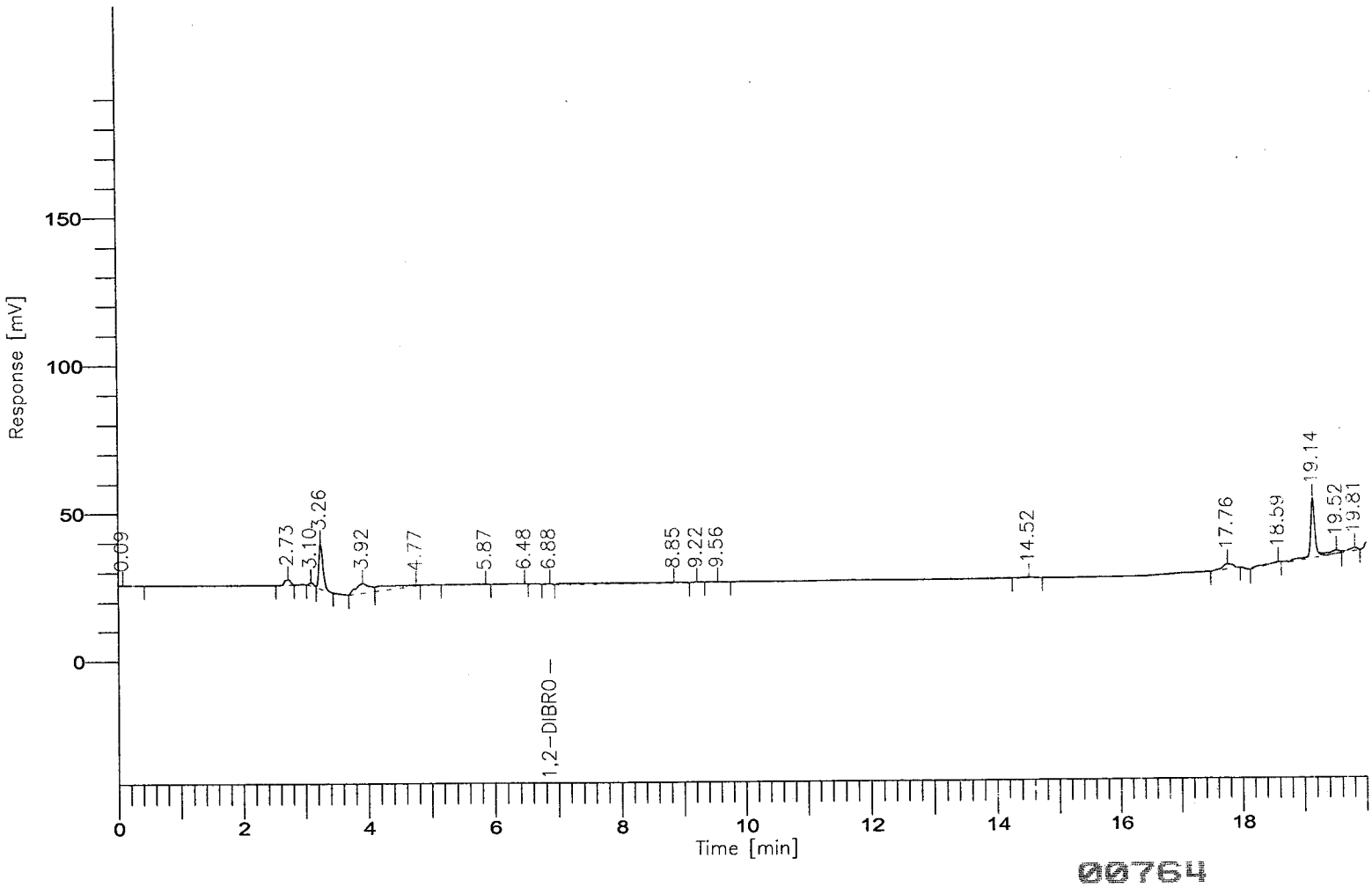
Channel : B A/D mV Range : 1000

Interface Serial # : 2023574441 Data Acquisition Time: 8/17/12 08:48
Delay Time : 0.00 min.
End Time : 20.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\TC4\158\AUG2012\BAUG239.RAW
Result File : C:\TC4\158\AUG2012\BAUG239.RST
Inst Method : C:\TC4\158\AUG2012\EDB8162A from C:\TC4\158\AUG2012\BAUG239.RS
Proc Method : C:\TC4\158\AUG2012\EDB8162B.mth
Calib Method : C:\TC4\158\AUG2012\EDB8162B.mth
Sequence File : C:\TC4\158\AUG2012\AUG2012.SEQ

Sample Volume : 1.0000 ul
Sample Amount : 1.0000

Area Reject : 0.000000
Dilution Factor : 1.00



00764

TriMatrix Laboratories GC158 EPA METHOD 8011

Column: A: RTXCLP2 30M X 0.53MM ID B: RTX CLP 30M X 0.53MM ID

Time [min]	Component Name	Amount (ng/ul)	Height [µV]	Area [µV·s]	Initial (ml)	Final (ml)	Conc. (ug/l)
6.88	1,2-DIBROMOETHANE (2	-0.0003	371.07	3038.00	35	2	-0.01676
12.89	1,2-DBCP (2C)	0.0000	0.00	0.00	35	2	0.00000
			371.07	3038.00			

Report stored in ASCII file: C:\TC4\158\AUG2012\BAUG239.TX0