



Curtis & Tompkins, Ltd.

Analytical Laboratories, Since 1878



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 210937  
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc. 6620 Owens Dr. Pleasanton, CA 94588	Project : 2331 Location : 3609 Int'l Blvd., Oakland Level : II
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<u>Sample ID</u>	<u>Lab ID</u>
MW-1	210937-001
MW-3	210937-002
MW-6	210937-003
MW-8	210937-004
MW-10	210937-005

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: \_\_\_\_\_

Project Manager

Date: 04/09/2009

NELAP # 01107CA

### CASE NARRATIVE

Laboratory number: 210937  
Client: SOMA Environmental Engineering Inc.  
Project: 2331  
Location: 3609 Int'l Blvd., Oakland  
Request Date: 03/25/09  
Samples Received: 03/25/09

This data package contains sample and QC results for five water samples, requested for the above referenced project on 03/25/09. The samples were received cold and intact.

**Volatile Organics by GC/MS (EPA 8260B):**

MW-1 (lab # 210937-001) was diluted due to high non-target analytes. No other analytical problems were encountered.

# CHAIN OF CUSTODY

**Curtis & Tompkins, Ltd.**  
 Analytical Laboratory Since 1878  
 2323 Fifth Street  
 Berkeley, CA 94710  
 (510)486-0900 Phone  
 (510)486-0532 Fax

**Analysis**

C&T LOGIN # 210937

**Sampler:** Lizzie Hightower

**Report To:** Joyce Bobek

**Company :** SOMA Environmental

**Telephone:** 925-734-6400

**Fax:** 925-734-6401

**Project No:** 2331

**Project Name:** 3609 International Blvd. Oakland CA

**Turnaround Time:** Standard

Lab No.	Sample ID.	Sampling Date	Time	Matrix			# of Containers	Preservative			
				Soil	Water	Waste		HCL	H2SO4	HNO3	ICE
1	MW-1	3/24/09	12:17		*		3 VOAS	*			*
2	MW-3	↓	13:25		*		3 VOAS	*			*
3	MW-6		12:45		*		3 VOAS	*			*
4	MW-8		11:44		*		3 VOAS	*			*
5	MW-10		11:15		*		3 VOAS	*			*

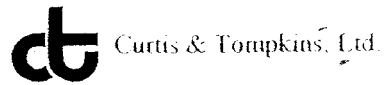
TPHg, BTEX, MtBE 8260B																			
	*																		
	*																		
	*																		
	*																		

**Notes:** EDF OUTPUT REQUIRED

*rec'd water cold*

<b>RELINQUISHED BY:</b>	<b>RECEIVED BY:</b>
<i>E. Hightower</i>	<i>[Signature]</i>
3/25/09	3/25/09
10:43 DATE/TIME	1043 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

COOLER RECEIPT CHECKLIST



Login # Z10937 Date Received 3/25/09 Number of coolers 1
Client SOMX ENV. Project 3407 INTERNATIONAL BLVD. DAYTON, OH

Date Opened 3/25/09 By (print) M. VILLANUEVA (sign)
Date Logged in 3/26/09 By (print) S. ... (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... YES (circle) on cooler on samples YES NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)

- Bubble Wrap, Foam blocks, Bags, None, Cloth material, Cardboard, Styrofoam, Paper towels

7. Temperature documentation: Type of ice used: Wet Blue/Gel None Temp(C)

Samples Received on ice & cold without a temperature blank

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO
If YES, Who was called? By Date:

COMMENTS











Gasoline by GC/MS			
Lab #:	210937	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/24/09
Units:	ug/L	Received:	03/25/09

Type:	BLANK	Batch#:	149699
Lab ID:	QC490742	Analyzed:	04/07/09
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	108	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-125

NA= Not Analyzed  
 ND= Not Detected  
 RL= Reporting Limit



## Batch QC Report

Gasoline by GC/MS			
Lab #:	210937	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	149540
Units:	ug/L	Analyzed:	04/02/09
Diln Fac:	1.000		

Type: BS Lab ID: QC490059

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	800.0	720.7	90	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	105	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-125

Type: BSD Lab ID: QC490060

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	800.0	674.9	84	80-120	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	104	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-125

RPD= Relative Percent Difference



**Batch QC Report**

<b>Gasoline by GC/MS</b>			
Lab #:	210937	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	149681
MSS Lab ID:	211029-002	Sampled:	03/30/09
Matrix:	Water	Received:	03/30/09
Units:	ug/L	Analyzed:	04/07/09
Diln Fac:	1.000		

Type: MS Lab ID: QC490728

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<2.000	100.0	101.1	101	62-140
MTBE	<0.1000	20.00	20.33	102	73-124
Benzene	<0.1000	20.00	21.97	110	80-122
Toluene	0.1136	20.00	22.96	114	80-121
Ethylbenzene	<0.1000	20.00	22.25	111	80-121
m,p-Xylenes	<0.1594	40.00	46.58	116	80-120
o-Xylene	<0.1000	20.00	21.83	109	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	102	77-137
Toluene-d8	104	80-120
Bromofluorobenzene	98	80-125

Type: MSD Lab ID: QC490729

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	109.0	109	62-140	8	20
MTBE	20.00	20.85	104	73-124	3	20
Benzene	20.00	21.45	107	80-122	2	20
Toluene	20.00	22.71	113	80-121	1	20
Ethylbenzene	20.00	21.85	109	80-121	2	20
m,p-Xylenes	40.00	45.16	113	80-120	3	20
o-Xylene	20.00	21.38	107	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	103	80-120
Bromofluorobenzene	100	80-125

RPD= Relative Percent Difference

## Batch QC Report

Gasoline by GC/MS			
Lab #:	210937	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	149699
Units:	ug/L	Analyzed:	04/07/09
Diln Fac:	1.000		

Type: BS Lab ID: QC490743

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	101.6	102	55-151
MTBE	20.00	19.31	97	73-122
Benzene	20.00	20.65	103	80-120
Toluene	20.00	20.61	103	80-120
Ethylbenzene	20.00	20.96	105	80-121
m,p-Xylenes	40.00	43.38	108	80-122
o-Xylene	20.00	21.08	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	102	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-125

Type: BSD Lab ID: QC490744

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	94.77	95	55-151	7	21
MTBE	20.00	19.42	97	73-122	1	20
Benzene	20.00	20.31	102	80-120	2	20
Toluene	20.00	19.93	100	80-120	3	20
Ethylbenzene	20.00	20.69	103	80-121	1	20
m,p-Xylenes	40.00	42.39	106	80-122	2	20
o-Xylene	20.00	20.39	102	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	104	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference

## Batch QC Report

Gasoline by GC/MS			
Lab #:	210937	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	149699
Units:	ug/L	Analyzed:	04/07/09
Diln Fac:	1.000		

Type: BS Lab ID: QC490745

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	800.0	764.2	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	105	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-125

Type: BSD Lab ID: QC490746

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	800.0	740.3	93	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	104	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-125

RPD= Relative Percent Difference

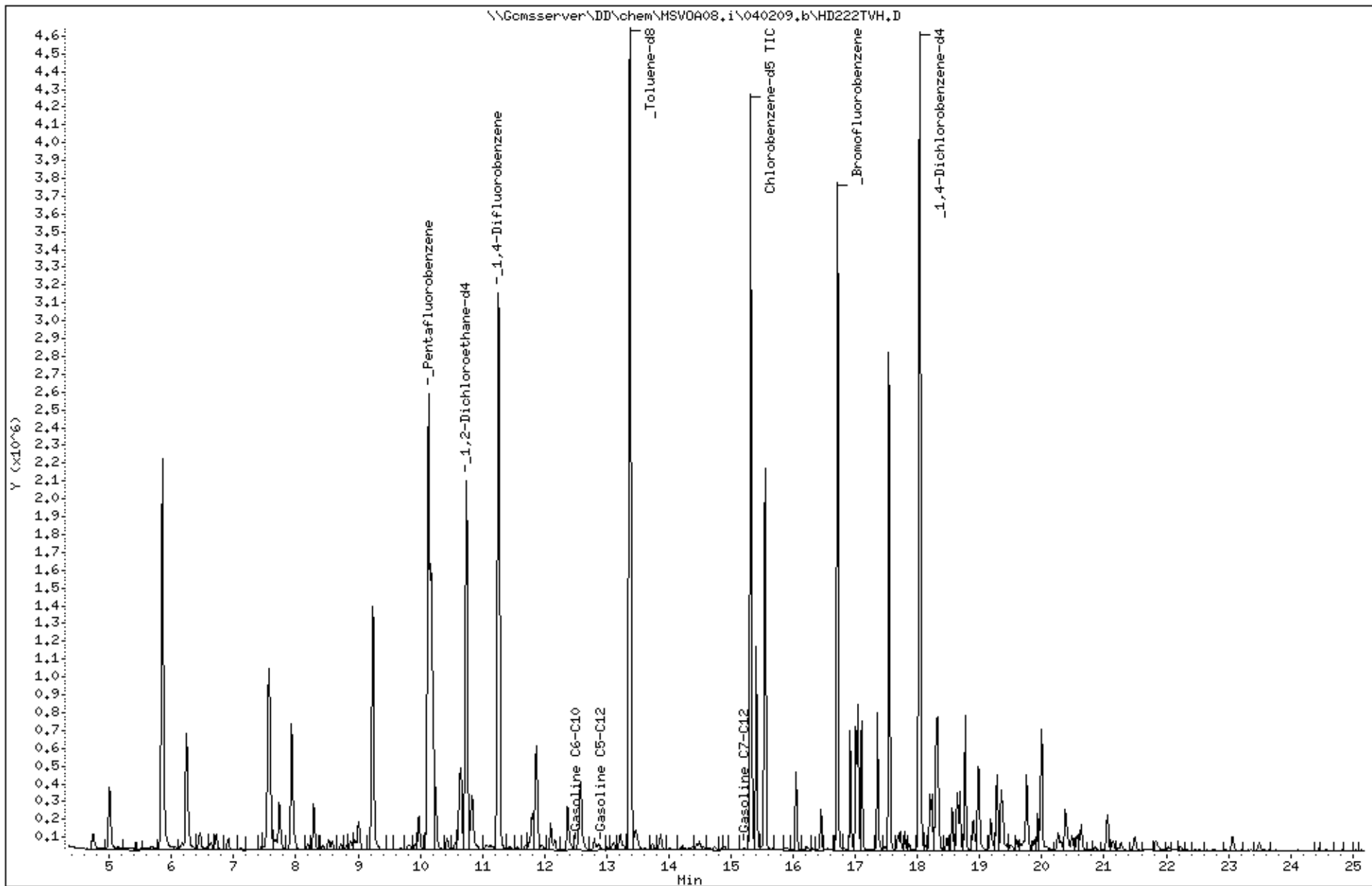


Date : 03-APR-2009 00:19  
Client ID: DYNA P&T  
Sample Info: S,210937-001

Instrument: MSV0A08.i

Operator: voc  
Column diameter: 2.00

Column phase:



Date : 07-APR-2009 20:37

Client ID: DYNA P&T

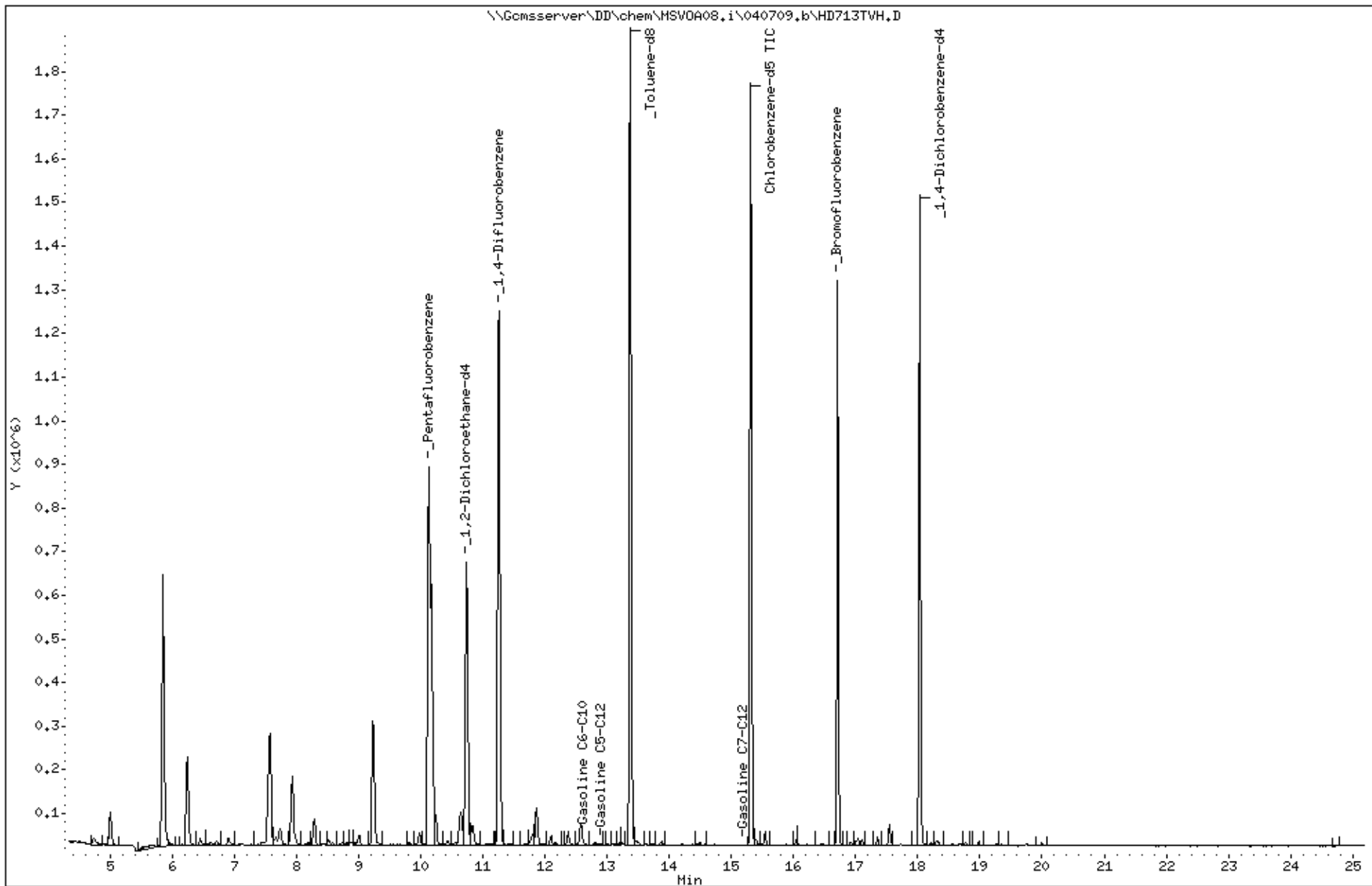
Sample Info: S,210937-002

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:



Date : 03-APR-2009 02:09

Client ID: DYNA P&T

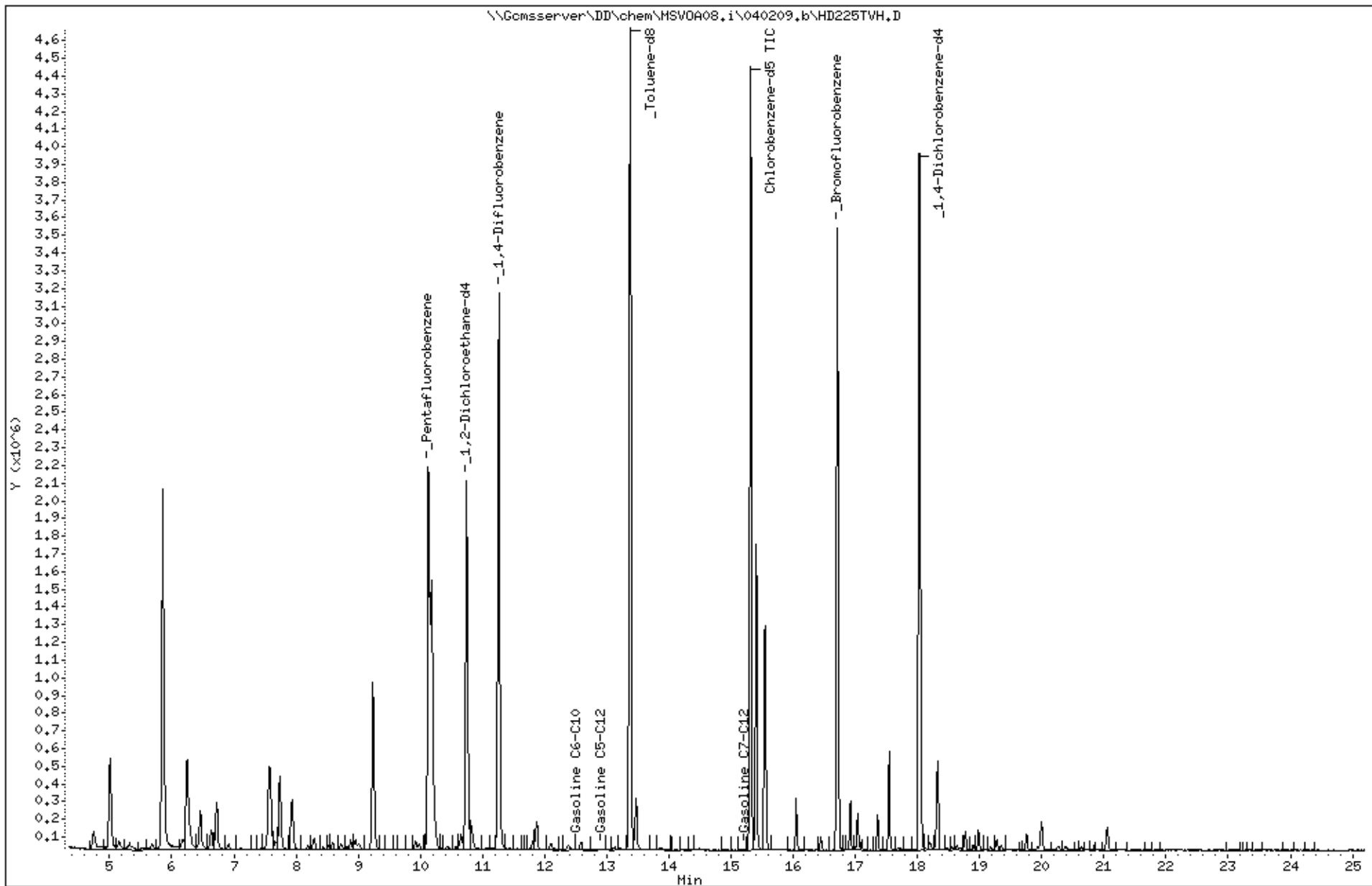
Sample Info: S,210937-003

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:



Date : 03-APR-2009 00:56

Client ID: DYNA P&T

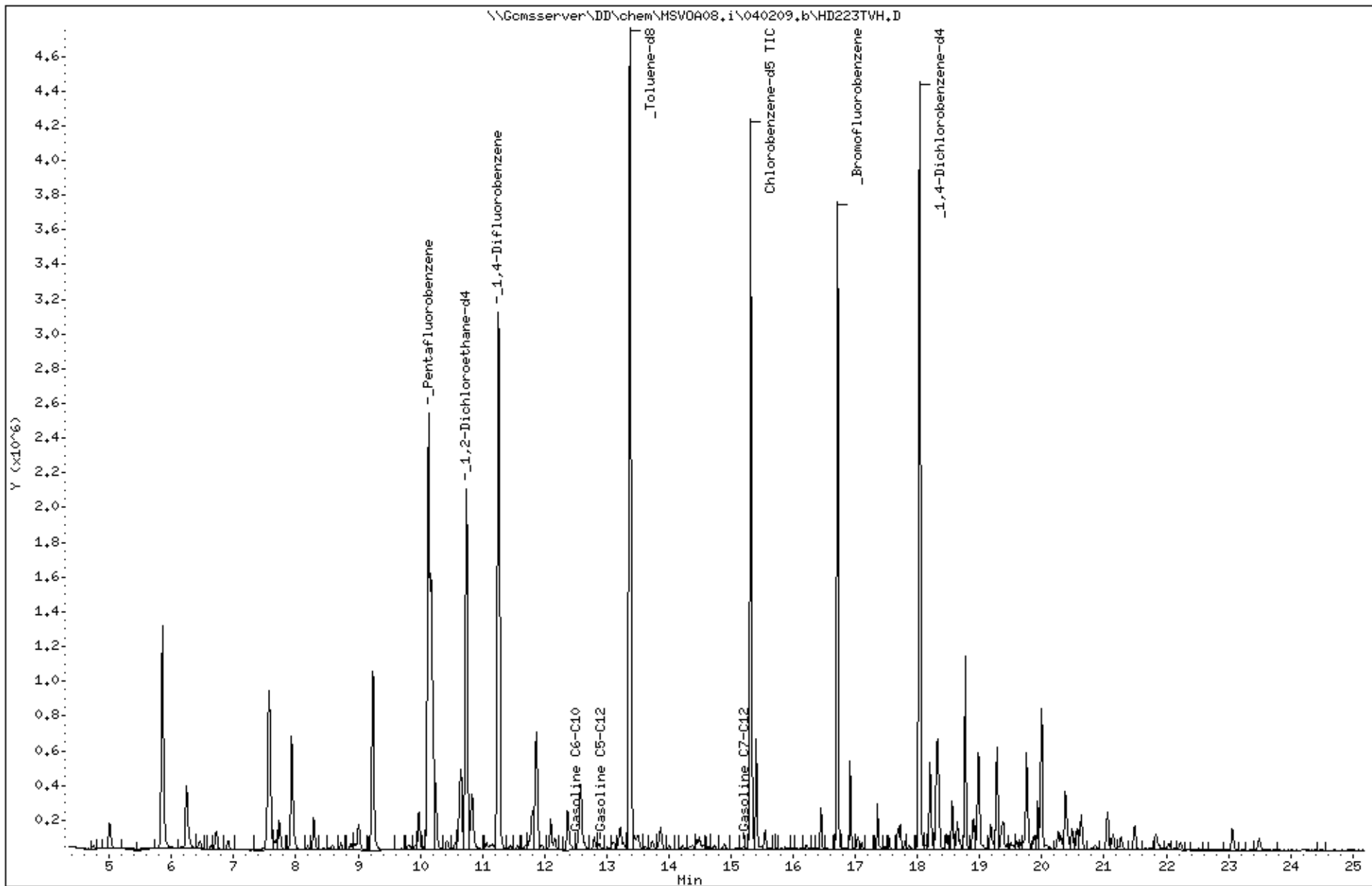
Sample Info: S,210937-004

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:



Date : 02-APR-2009 23:43

Client ID: DYNA P&T

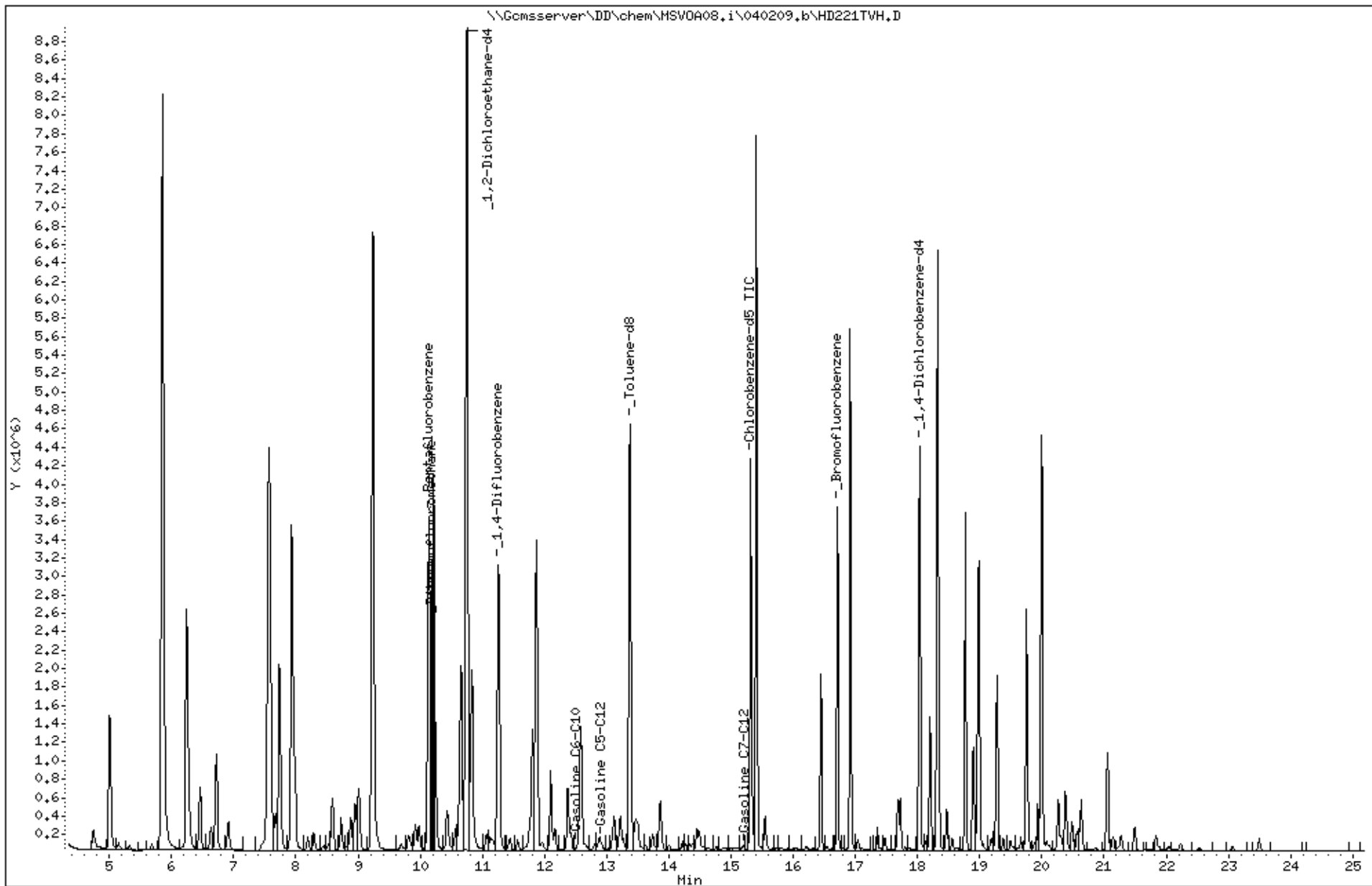
Sample Info: S,210937-005

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:



Date : 02-APR-2009 14:53

Client ID: DYNA P&T

Sample Info: CCV/BS, QC490059, 149540, S10867, 0, 008/100

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:

