ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW13-10-11.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94C
LIMS ID: 10-18596
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 15:22

Sample Amount: 8.78 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 13.1%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	< 0.6	U
156-59-2	cis-1,2-Dichloroethene	0.6	< 0.6	U
107-06-2	1,2-Dichloroethane	0.6	< 0.6	U
79-01-6	Trichloroethene	0.6	< 0.6	U
127-18-4	Tetrachloroethene	0.6	< 0.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	103%
Bromofluorobenzene	96.5%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW13-14-14.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94D
LIMS ID: 10-18597
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 15:48

Sample Amount: 9.51 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 14.3%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.5	< 0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	< 0.5	U
107-06-2	1,2-Dichloroethane	0.5	< 0.5	U
79-01-6	Trichloroethene	0.5	< 0.5	U
127-18-4	Tetrachloroethene	0.5	< 0.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	124%
d8-Toluene	102%
Bromofluorobenzene	96.4%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW13-18.5-19.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94E
LIMS ID: 10-18598
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 16:15

Sample Amount: 9.50 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 14.4%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.5	< 0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	< 0.5	U
107-06-2	1,2-Dichloroethane	0.5	< 0.5	U
79-01-6	Trichloroethene	0.5	< 0.5	U
127-18-4	Tetrachloroethene	0.5	< 0.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	124%
d8-Toluene	104%
Bromofluorobenzene	98.8%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW13-18.5-19.5-080210-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94F
LIMS ID: 10-18599
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 16:41

Sample Amount: 8.91 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 15.1%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	< 0.6	U
156-59-2	cis-1,2-Dichloroethene	0.6	< 0.6	U
107-06-2	1,2-Dichloroethane	0.6	< 0.6	U
79-01-6	Trichloroethene	0.6	< 0.6	U
127-18-4	Tetrachloroethene	0.6	< 0.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	123%
d8-Toluene	103%
Bromofluorobenzene	94.5%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-5.5-7.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94G
LIMS ID: 10-18600
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 17:08

Sample Amount: 8.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 11.9%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	< 0.6	U
156-59-2	cis-1,2-Dichloroethene	0.6	< 0.6	U
107-06-2	1,2-Dichloroethane	0.6	< 0.6	U
79-01-6	Trichloroethene	0.6	< 0.6	U
127-18-4	**Tetrachloroethene**	**0.6**	**0.9**	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	124%
d8-Toluene	101%
Bromofluorobenzene	82.3%
d4-1,2-Dichlorobenzene	95.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-8-9.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 17:34

Sample Amount: 9.40 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 16.8%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.5	< 0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	< 0.5	U
107-06-2	1,2-Dichloroethane	0.5	< 0.5	U
79-01-6	Trichloroethene	0.5	< 0.5	U
127-18-4	Tetrachloroethene	0.5	< 0.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	103%
Bromofluorobenzene	96.0%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-10-11.5-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94I
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 18:00

Sample Amount: 8.22 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 18.6%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	< 0.6	U
156-59-2	cis-1,2-Dichloroethene	0.6	< 0.6	U
107-06-2	1,2-Dichloroethane	0.6	< 0.6	U
79-01-6	Trichloroethene	0.6	< 0.6	U
127-18-4	Tetrachloroethene	0.6	< 0.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	126%
d8-Toluene	104%
Bromofluorobenzene	95.5%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-17.5-19-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94J
LIMS ID: 10-18603
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 18:27

Sample Amount: 7.27 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 20.6%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.7	< 0.7	U
156-59-2	cis-1,2-Dichloroethene	0.7	< 0.7	U
107-06-2	1,2-Dichloroethane	0.7	< 0.7	U
79-01-6	Trichloroethene	0.7	< 0.7	U
127-18-4	Tetrachloroethene	0.7	< 0.7	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	104%
Bromofluorobenzene	97.3%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
RG94A	MW14-15-16.5-080210	Low	112%	100%	94.4%	101%	0
RG94B	MW14-22.5-24-080210	Low	107%	102%	94.5%	102%	0
RG94C	MW13-10-11.5-080210	Low	129%	103%	96.5%	105%	0
RG94D	MW13-14-14.5-080210	Low	124%	102%	96.4%	103%	0
RG94E	MW13-18.5-19.5-080210	Low	124%	104%	98.8%	104%	0
RG94F	MW13-18.5-19.5-080210-D	Low	123%	103%	94.5%	103%	0
RG94G	MW12-5.5-7.5-080210	Low	124%	101%	82.3%	95.0%	0
MB-081010	Method Blank	Low	105%	102%	93.1%	100%	0
LCS-081010	Lab Control	Low	107%	102%	98.5%	101%	0
LCSD-081010	Lab Control Dup	Low	107%	102%	99.2%	102%	0
RG94H	MW12-8-9.5-080210	Low	129%	103%	96.0%	106%	0
RG94HMS	MW12-8-9.5-080210	Low	110%	99.8%	99.2%	100%	0
RG94HMSD	MW12-8-9.5-080210	Low	114%	98.6%	103%	104%	0
RG94I	MW12-10-11.5-080210	Low	126%	104%	95.5%	104%	0
RG94J	MW12-17.5-19-080210	Low	129%	104%	97.3%	105%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260C	Low	Med	Low	Med
(DCE) = d4-1,2-Dichloroethane	79-121	76-120	75-152	69-120
(TOL) = d8-Toluene	80-120	80-120	82-115	80-120
(BFB) = Bromofluorobenzene	80-120	80-120	64-120	76-128
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120	80-120	80-120

Log Number Range: 10-18594 to 10-18603

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-8-9.5-080210**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst MS: FINN5/PAB
MSD: FINN5/PAB
Date Analyzed MS: 08/10/10 18:53
MSD: 08/10/10 19:20

Sample Amount MS: 8.65 g-dry-wt
MSD: 8.90 g-dry-wt
Purge Volume MS: 5.0 mL
MSD: 5.0 mL
Moisture: 16.8%

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
trans-1,2-Dichloroethene	< 0.5 U	27.4	28.9	94.8%	26.6	28.1	94.7%	3.0%
cis-1,2-Dichloroethene	< 0.5 U	25.9	28.9	89.6%	24.2	28.1	86.1%	6.8%
1,2-Dichloroethane	< 0.5 U	22.4	28.9	77.5%	19.9	28.1	70.8%	11.8%
Trichloroethene	< 0.5 U	25.1	28.9	86.9%	23.5	28.1	83.6%	6.6%
Tetrachloroethene	< 0.5 U	24.5	28.9	84.8%	22.7	28.1	80.8%	7.6%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-8-9.5-080210**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 18:53

Sample Amount: 8.65 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 16.8%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	---	
156-59-2	cis-1,2-Dichloroethene	0.6	---	
107-06-2	1,2-Dichloroethane	0.6	---	
79-01-6	Trichloroethene	0.6	---	
127-18-4	Tetrachloroethene	0.6	---	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	110%
d8-Toluene	99.8%
Bromofluorobenzene	99.2%
d4-1,2-Dichlorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-8-9.5-080210**
Page 1 of 1 **MATRIX SPIKE DUP**

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 19:20

Sample Amount: 8.90 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 16.8%

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.6	---	
156-59-2	cis-1,2-Dichloroethene	0.6	---	
107-06-2	1,2-Dichloroethane	0.6	---	
79-01-6	Trichloroethene	0.6	---	
127-18-4	Tetrachloroethene	0.6	---	

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	114%
d8-Toluene	98.6%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081010**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-081010
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: FINN5/PAB
LCSD: FINN5/PAB
Date Analyzed LCS: 08/10/10 11:12
LCSD: 08/10/10 11:37

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
trans-1,2-Dichloroethene	51.1	50.0	102%	45.9	50.0	91.8%	10.7%
cis-1,2-Dichloroethene	52.4	50.0	105%	47.7	50.0	95.4%	9.4%
1,2-Dichloroethane	49.3	50.0	98.6%	48.2	50.0	96.4%	2.3%
Trichloroethene	48.4	50.0	96.8%	43.5	50.0	87.0%	10.7%
Tetrachloroethene	43.3	50.0	86.6%	41.2	50.0	82.4%	5.0%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	107%	107%
d8-Toluene	102%	102%
Bromofluorobenzene	98.5%	99.2%
d4-1,2-Dichlorobenzene	101%	102%

4A

VOLATILE METHOD BLANK SUMMARY

Method Blank ID.

MB0810

Lab Name: ANALYTICAL RESOURCES, INC

Client: FLOYD SNIDER

ARI Job No: RG94

Project: LORA LAKE

Lab File ID: MB0810

Lab Sample ID: MB0810

Date Analyzed: 08/10/10

Time Analyzed: 1206

Instrument ID: FINN5

Heated Purge: (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS0810	LCS0810	LCS0810	1112
02	LCS0810	LCS0810	LCS0810A	1137
03	MW14-15-16.5	RG94A	RG94A	1431
04	MW14-22.5-24	RG94B	RG94B	1455
05	MW13-10-11.5	RG94C	RG94C	1522
06	MW13-14-14.5	RG94D	RG94D	1548
07	MW13-18.5-19	RG94E	RG94E	1615
08	MW13-18.5-19	RG94F	RG94F	1641
09	MW12-5.5-7.5	RG94G	RG94G	1708
10	MW12-8-9.5-0	RG94H	RG94H	1734
11	MW12-10-11.5	RG94I	RG94I	1800
12	MW12-17.5-19	RG94J	RG94J	1827
13	MW12-8-9.5-0	RG94HMS	RG94HMS	1853
14	MW12-8-9.5-0	RG94HMSD	RG94HMSD	1920
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COMMENTS:

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081010**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-081010
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Instrument/Analyst: FINN5/PAB
Date Analyzed: 08/10/10 12:06

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	105%
d8-Toluene	102%
Bromofluorobenzene	93.1%
d4-1,2-Dichlorobenzene	100%

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ANALYTICAL RESOURCES, INC Contract: FLOYD SNIDER

Lab Code: ARI Case No.: LORA LAKE SDG No.: RG94

Lab File ID: BFB07231 BFB Injection Date: 07/23/10

Instrument ID: FINN5 BFB Injection Time: 1648

GC Column: RTX502.2 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.7
75	30.0 - 66.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 101.0% of mass 95	77.4
175	4.0 - 9.0% of mass 174	5.7 (7.4)1
176	93.0 - 101.0% of mass 174	76.4 (98.8)1
177	5.0 - 9.0% of mass 176	5.5 (7.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD200	IC0723	2000723	07/23/10	1718
02	VSTD150	IC0723	1500723	07/23/10	1749
03	VSTD100	IC0723	1000723	07/23/10	1816
04	VSTD050	IC0723	0500723	07/23/10	1842
05	VSTD010	IC0723	0100723	07/23/10	1909
06	VSTD005	IC0723	0050723	07/23/10	1935
07	VSTD002	IC0723	0020723	07/23/10	2002
08	VSTD001	IC0723	0010723	07/23/10	2028
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ANALYTICAL RESOURCES, INC Contract: FLOYD SNIDER

Lab Code: ARI Case No.: LORA LAKE SDG No.: RG94

Lab File ID: BFB0810 BFB Injection Date: 08/10/10

Instrument ID: FINN5 BFB Injection Time: 0846

GC Column: RTX502.2 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.7
75	30.0 - 66.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 101.0% of mass 95	70.4
175	4.0 - 9.0% of mass 174	5.1 (7.3)1
176	93.0 - 101.0% of mass 174	68.3 (97.0)1
177	5.0 - 9.0% of mass 176	4.5 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	CC0810	0500810A	08/10/10	1038
02	LCS0810	LCS0810	LCS0810	08/10/10	1112
03	LCS0810	LCS0810	LCS0810A	08/10/10	1137
04	MB0810	MB0810	MB0810	08/10/10	1206
05	MW14-15-16.5-080	RG94A	RG94A	08/10/10	1431
06	MW14-22.5-24-080	RG94B	RG94B	08/10/10	1455
07	MW13-10-11.5-080	RG94C	RG94C	08/10/10	1522
08	MW13-14-14.5-080	RG94D	RG94D	08/10/10	1548
09	MW13-18.5-19.5-0	RG94E	RG94E	08/10/10	1615
10	MW13-18.5-19.5-0	RG94F	RG94F	08/10/10	1641
11	MW12-5.5-7.5-080	RG94G	RG94G	08/10/10	1708
12	MW12-8-9.5-08021	RG94H	RG94H	08/10/10	1734
13	MW12-10-11.5-080	RG94I	RG94I	08/10/10	1800
14	MW12-17.5-19-080	RG94J	RG94J	08/10/10	1827
15	MW12-8-9.5-0802	RG94HMS	RG94HMS	08/10/10	1853
16	MW12-8-9.5-0802	RG94HMSD	RG94HMSD	08/10/10	1920
17					
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19					
20					
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF1: 0010723 RF2: 0020723 RF5: 0050723
RF10: 0100723 RF50: 0500723

COMPOUND	RF1	RF2	RF5	RF10	RF50
Chloromethane	2.155	1.962	1.917	2.009	1.652
Vinyl Chloride	1.519	1.452	1.513	1.597	1.363
Bromomethane	0.934	0.851	0.777	0.625	0.810
Chloroethane	1.071	1.093	0.988	0.871	0.876
Trichlorofluoromethane	1.476	1.559	1.505	1.410	1.426
Acrolein	0.205	0.197	0.177	0.164	0.157
112Trichloro122Trifluoroetha	1.274	1.182	1.204	1.123	1.014
Acetone	0.308	0.320	0.314	0.301	0.268
1,1-Dichloroethene	1.036	1.019	1.041	1.032	0.979
Bromoethane	0.707	0.744	0.729	0.753	0.727
Iodomethane	1.011	1.066	1.142	1.140	1.253
Methylene Chloride		1.396	1.190	1.128	0.935
Acrylonitrile	0.196	0.243	0.283	0.285	0.261
Carbon Disulfide	3.372	3.310	3.395	3.282	3.176
Trans-1,2-Dichloroethene	0.815	0.825	0.806	0.895	0.794
Vinyl Acetate	1.378	1.475	1.529	1.560	1.561
1,1-Dichloroethane	1.593	1.577	1.616	1.674	1.534
2-Butanone	0.326	0.330	0.344	0.353	0.328
2,2-Dichloropropane	0.887	0.897	0.933	0.951	0.913
Cis-1,2-Dichloroethene	0.703	0.702	0.718	0.759	0.692
Chloroform	1.249	1.296	1.316	1.320	1.203
Bromochloromethane	0.301	0.323	0.367	0.357	0.335
1,1,1-Trichloroethane	0.977	0.934	0.973	0.985	0.933
1,1-Dichloropropene	0.670	0.690	0.712	0.765	0.673
Carbon Tetrachloride	0.581	0.624	0.604	0.630	0.570
1,2-Dichloroethane	0.571	0.629	0.633	0.678	0.586
Benzene	1.759	1.768	1.800	1.965	1.656
Trichloroethene	0.436	0.500	0.510	0.540	0.468
1,2-Dichloropropane	0.524	0.521	0.548	0.582	0.501
Bromodichloromethane	0.521	0.592	0.582	0.604	0.542
Dibromomethane	0.253	0.259	0.260	0.288	0.249
2-Chloroethyl Vinyl Ether		0.142	0.173	0.190	0.185
4-Methyl-2-Pentanone	0.141	0.137	0.132	0.143	0.133
Cis 1,3-dichloropropene	0.503	0.566	0.600	0.660	0.638
Toluene	1.257	1.104	1.022	1.052	0.921
Trans 1,3-Dichloropropene	0.446	0.472	0.491	0.540	0.521
2-Hexanone	0.489	0.418	0.404	0.438	0.381

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF1: 0010723 RF2: 0020723 RF5: 0050723
RF10: 0100723 RF50: 0500723

COMPOUND	RF1	RF2	RF5	RF10	RF50
1,1,2-Trichloroethane	0.269	0.295	0.323	0.339	0.296
1,3-Dichloropropane	0.683	0.714	0.715	0.756	0.678
Tetrachloroethene	0.617	0.527	0.565	0.567	0.490
Chlorodibromomethane	0.427	0.440	0.465	0.502	0.453
1,2-Dibromoethane	0.301	0.328	0.338	0.349	0.322
Chlorobenzene	1.449	1.256	1.215	1.285	1.093
Ethyl Benzene	2.203	2.176	2.088	2.268	2.021
1,1,1,2-Tetrachloroethane	0.488	0.463	0.438	0.454	0.389
m,p-xylene	0.686	0.701	0.756	0.820	0.768
o-Xylene	0.597	0.672	0.700	0.773	0.750
Styrene	1.013	1.042	1.151	1.321	1.228
Bromoform	0.588	0.562	0.563	0.584	0.521
1,1,2,2-Tetrachloroethane	1.199	1.124	1.036	1.126	0.917
1,2,3-Trichloropropane		0.226	0.221	0.226	0.186
Trans-1,4-Dichloro 2-Butene		0.322	0.326	0.349	0.301
N-Propyl Benzene	4.356	4.362	4.593	5.132	4.292
Bromobenzene	0.977	0.937	0.972	1.058	0.917
Isopropyl Benzene	3.581	3.464	3.670	4.080	3.636
2-Chloro Toluene	3.123	2.806	3.073	3.372	2.810
4-Chloro Toluene	2.626	2.911	2.880	3.298	2.959
T-Butyl Benzene	2.255	2.386	2.573	2.864	2.638
1,3,5-Trimethyl Benzene	2.663	2.667	2.918	3.226	2.998
1,2,4-Trimethylbenzene	2.438	2.545	2.851	3.260	2.948
S-Butyl Benzene	3.651	3.689	3.984	4.454	4.031
4-Isopropyl Toluene	2.226	2.542	2.823	3.180	2.946
1,3-Dichlorobenzene	1.562	1.533	1.674	1.912	1.646
1,4-Dichlorobenzene	1.655	1.573	1.702	1.839	1.597
N-Butyl Benzene	2.810	2.765	3.045	3.430	3.102
1,2-Dichlorobenzene	1.537	1.602	1.638	1.750	1.517
1,2-Dibromo 3-Chloropropane	0.152	0.209	0.190	0.200	0.171
1,2,4-Trichlorobenzene	0.965	1.017	0.971	1.126	0.860
Hexachloro 1,3-Butadiene	0.585	0.688	0.689	0.751	0.589
Naphthalene	1.716	1.756	1.742	2.094	1.618
1,2,3-Trichlorobenzene	0.961	1.020	0.960	1.136	0.809
Dichlorodifluoromethane	0.618	0.692	0.660	0.633	0.675
Methyl tert-Butyl Ether	1.392	1.482	1.616	1.631	1.525

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF1: 0010723 RF2: 0020723 RF5: 0050723
RF10: 0100723 RF50: 0500723

COMPOUND	RF1	RF2	RF5	RF10	RF50
d4-1,2-Dichloroethane	0.718	0.705	0.687	0.646	0.643
d8-Toluene	1.123	1.149	1.122	1.106	1.114
4-Bromofluorobenzene	0.550	0.557	0.558	0.551	0.566
d4-1,2-Dichlorobenzene	0.929	0.920	0.920	0.926	0.925
Dibromofluoromethane	0.649	0.629	0.614	0.586	0.599

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF100: 1000723 RF150: 1500723 RF200: 2000723

COMPOUND	RF100	RF150	RF200
Chloromethane	1.566	1.388	1.306
Vinyl Chloride	1.358	1.171	1.061
Bromomethane	0.769	0.647	0.579
Chloroethane	0.778	0.629	
Trichlorofluoromethane	1.280	1.042	0.967
Acrolein	0.146	0.119	
112Trichloro122Trifluoroetha	0.976	0.818	0.758
Acetone	0.244	0.204	
1,1-Dichloroethene	0.934	0.797	0.739
Bromoethane	0.727	0.633	0.591
Iodomethane	1.256	1.066	1.025
Methylene Chloride	0.929	0.821	
Acrylonitrile	0.258	0.230	0.220
Carbon Disulfide	2.867	2.186	1.913
Trans-1,2-Dichloroethene	0.835	0.766	0.722
Vinyl Acetate	1.554	1.197	1.056
1,1-Dichloroethane	1.561	1.255	1.069
2-Butanone	0.323	0.268	0.247
2,2-Dichloropropane	0.956	0.876	0.855
Cis-1,2-Dichloroethene	0.742	0.687	0.690
Chloroform	1.234	1.073	0.959
Bromochloromethane	0.351	0.332	0.335
1,1,1-Trichloroethane	0.962	0.878	0.863
1,1-Dichloropropene	0.695	0.631	0.596
Carbon Tetrachloride	0.592	0.551	0.570
1,2-Dichloroethane	0.598	0.544	0.529
Benzene	1.455	1.088	
Trichloroethene	0.485	0.448	0.461
1,2-Dichloropropane	0.518	0.470	0.475
Bromodichloromethane	0.555	0.516	0.514
Dibromomethane	0.260	0.237	0.249
2-Chloroethyl Vinyl Ether	0.194	0.187	0.198
4-Methyl-2-Pentanone	0.132	0.122	0.117
Cis 1,3-dichloropropene	0.676	0.620	0.570
Toluene	0.946	0.783	0.707
Trans 1,3-Dichloropropene	0.559	0.524	0.508
2-Hexanone	0.322		

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF100: 1000723 RF150: 1500723 RF200: 2000723

COMPOUND	RF100	RF150	RF200
1,1,2-Trichloroethane	0.308	0.291	0.306
1,3-Dichloropropane	0.724	0.676	0.684
Tetrachloroethene	0.546	0.543	0.590
Chlorodibromomethane	0.493	0.479	0.528
1,2-Dibromoethane	0.328	0.309	0.324
Chlorobenzene	1.173	0.982	0.930
Ethyl Benzene	1.784	1.342	
1,1,1,2-Tetrachloroethane	0.428	0.439	0.492
m,p-xylene	0.804	0.647	0.616
o-Xylene	0.840	0.828	0.865
Styrene	1.342	1.127	1.094
Bromoform	0.539	0.500	0.474
1,1,2,2-Tetrachloroethane	0.890	0.780	0.707
1,2,3-Trichloropropane	0.183	0.160	0.146
Trans-1,4-Dichloro 2-Butene	0.299	0.258	0.237
N-Propyl Benzene	3.334		
Bromobenzene	0.956	0.872	0.817
Isopropyl Benzene	3.053	2.076	
2-Chloro Toluene	2.821	1.980	
4-Chloro Toluene	2.626	1.857	
T-Butyl Benzene	2.560	1.958	1.463
1,3,5-Trimethyl Benzene	2.733	1.921	
1,2,4-Trimethylbenzene	2.800	1.985	
S-Butyl Benzene	3.263		
4-Isopropyl Toluene	2.747	2.006	
1,3-Dichlorobenzene	1.804	1.479	1.214
1,4-Dichlorobenzene	1.775	1.484	1.208
N-Butyl Benzene	2.846	1.945	
1,2-Dichlorobenzene	1.586	1.401	1.156
1,2-Dibromo 3-Chloropropane	0.158	0.137	0.128
1,2,4-Trichlorobenzene	0.913	0.825	0.739
Hexachloro 1,3-Butadiene	0.597	0.554	0.542
Naphthalene	1.558	1.287	
1,2,3-Trichlorobenzene	0.822	0.736	0.646
Dichlorodifluoromethane	0.674	0.632	0.601
Methyl tert-Butyl Ether	1.542	1.313	1.151

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

LAB FILE ID: RF100: 1000723 RF150: 1500723 RF200: 2000723

COMPOUND	RF100	RF150	RF200
d4-1,2-Dichloroethane	0.641	0.617	0.560
d8-Toluene	1.080	1.048	1.047
4-Bromofluorobenzene	0.592	0.613	0.695
d4-1,2-Dichlorobenzene	0.902	0.880	0.873
Dibromofluoromethane	0.586	0.572	0.533

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
Chloromethane	AVRG	1.744	17.8
Vinyl Chloride	AVRG	1.379	13.3
Bromomethane	AVRG	0.749	16.3
Chloroethane	AVRG	0.901	18.3
Trichlorofluoromethane	AVRG	1.333	16.4
Acrolein	AVRG	0.166	17.8
112Trichloro122Trifluoroetha	AVRG	1.044	17.8
Acetone	AVRG	0.280	15.4
1,1-Dichloroethene	AVRG	0.947	12.4
Bromoethane	AVRG	0.701	8.2
Iodomethane	AVRG	1.120	8.5
Methylene Chloride	AVRG	1.066	19.9
Acrylonitrile	AVRG	0.247	12.5
Carbon Disulfide	AVRG	2.938	19.6
Trans-1,2-Dichloroethene	AVRG	0.807	6.3
Vinyl Acetate	AVRG	1.414	13.5
1,1-Dichloroethane	AVRG	1.485	14.1
2-Butanone	AVRG	0.315	11.8
2,2-Dichloropropane	AVRG	0.909	4.0
Cis-1,2-Dichloroethene	AVRG	0.711	3.7
Chloroform	AVRG	1.206	10.6
Bromochloromethane	AVRG	0.338	6.1
1,1,1-Trichloroethane	AVRG	0.938	4.9
1,1-Dichloropropene	AVRG	0.679	7.5
Carbon Tetrachloride	AVRG	0.590	4.7
1,2-Dichloroethane	AVRG	0.596	8.3
Benzene	AVRG	1.642	17.6
Trichloroethene	AVRG	0.481	7.2
1,2-Dichloropropane	AVRG	0.518	7.1
Bromodichloromethane	AVRG	0.553	6.5
Dibromomethane	AVRG	0.257	5.7
2-Chloroethyl Vinyl Ether	AVRG	0.181	10.5
4-Methyl-2-Pentanone	AVRG	0.132	6.7
Cis 1,3-dichloropropene	AVRG	0.604	9.4
Toluene	AVRG	0.974	18.0
Trans 1,3-Dichloropropene	AVRG	0.508	7.2
2-Hexanone	AVRG	0.409	13.6

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
1,1,2-Trichloroethane	AVRG	0.303	7.0
1,3-Dichloropropane	AVRG	0.704	4.0
Tetrachloroethene	AVRG	0.556	7.0
Chlorodibromomethane	AVRG	0.473	7.2
1,2-Dibromoethane	AVRG	0.325	4.7
Chlorobenzene	AVRG	1.173	14.4
Ethyl Benzene	AVRG	1.983	16.3
1,1,1,2-Tetrachloroethane	AVRG	0.449	7.4
m,p-xylene	AVRG	0.725	10.2
o-Xylene	AVRG	0.753	12.3
Styrene	AVRG	1.165	10.5
Bromoform	AVRG	0.541	7.5
1,1,2,2-Tetrachloroethane	AVRG	0.972	18.2
1,2,3-Trichloropropane	AVRG	0.193	17.0
Trans-1,4-Dichloro 2-Butene	AVRG	0.299	13.1
N-Propyl Benzene	AVRG	4.345	13.4
Bromobenzene	AVRG	0.938	7.7
Isopropyl Benzene	AVRG	3.366	19.2
2-Chloro Toluene	AVRG	2.855	15.4
4-Chloro Toluene	AVRG	2.736	16.4
T-Butyl Benzene	AVRG	2.337	19.1
1,3,5-Trimethyl Benzene	AVRG	2.732	15.0
1,2,4-Trimethylbenzene	AVRG	2.690	15.2
S-Butyl Benzene	AVRG	3.845	10.6
4-Isopropyl Toluene	AVRG	2.638	15.6
1,3-Dichlorobenzene	AVRG	1.603	13.2
1,4-Dichlorobenzene	AVRG	1.604	12.2
N-Butyl Benzene	AVRG	2.849	16.1
1,2-Dichlorobenzene	AVRG	1.523	11.8
1,2-Dibromo 3-Chloropropane	AVRG	0.168	17.6
1,2,4-Trichlorobenzene	AVRG	0.927	13.0
Hexachloro 1,3-Butadiene	AVRG	0.624	12.0
Naphthalene	AVRG	1.682	14.5
1,2,3-Trichlorobenzene	AVRG	0.886	18.2
Dichlorodifluoromethane	AVRG	0.648	4.8
Methyl tert-Butyl Ether	AVRG	1.456	11.2

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Calibration Date: 07/23/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
d4-1,2-Dichloroethane	AVRG	0.652	7.8
d8-Toluene	AVRG	1.099	3.4
4-Bromofluorobenzene	AVRG	0.585	8.5
d4-1,2-Dichlorobenzene	AVRG	0.909	2.4
Dibromofluoromethane	AVRG	0.596	6.0

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Cont. Calib. Date: 08/10/10

Init. Calib. Date: 07/23/10 Cont. Calib. Time: 1038

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift	
Chloromethane	1.744	1.422	0.100	AVRG	-18.5	
Vinyl Chloride	1.379	1.345	0.010	AVRG	-2.5	
Bromomethane	0.749	1.041	0.010	AVRG	39.0	<-
Chloroethane	0.901	0.899	0.010	AVRG	-0.2	
Trichlorofluoromethane	1.333	1.246	0.010	AVRG	-6.5	
Acrolein	0.166	0.158	0.010	AVRG	-4.8	
112Trichloro122Trifluoroetha	1.044	1.036	0.010	AVRG	-0.8	
Acetone	0.280	0.265	0.010	AVRG	-5.4	
1,1-Dichloroethene	0.947	0.853	0.010	AVRG	-9.9	
Bromoethane	0.701	0.568	0.010	AVRG	-19.0	
Iodomethane	1.120	0.800	0.010	AVRG	-28.6	<-
Methylene Chloride	1.066	0.920	0.010	AVRG	-13.7	
Acrylonitrile	0.247	0.255	0.010	AVRG	3.2	
Carbon Disulfide	2.938	2.398	0.010	AVRG	-18.4	
Trans-1,2-Dichloroethene	0.807	0.780	0.010	AVRG	-3.3	
Vinyl Acetate	1.414	1.507	0.010	AVRG	6.6	
1,1-Dichloroethane	1.485	1.479	0.100	AVRG	-0.4	
2-Butanone	0.315	0.330	0.010	AVRG	4.8	
2,2-Dichloropropane	0.908	0.809	0.010	AVRG	-10.9	
Cis-1,2-Dichloroethene	0.712	0.696	0.010	AVRG	-2.2	
Chloroform	1.206	1.170	0.010	AVRG	-3.0	
Bromochloromethane	0.338	0.309	0.010	AVRG	-8.6	
1,1,1-Trichloroethane	0.938	0.838	0.010	AVRG	-10.7	
1,1-Dichloropropene	0.679	0.671	0.010	AVRG	-1.2	
Carbon Tetrachloride	0.590	0.537	0.010	AVRG	-9.0	
1,2-Dichloroethane	0.596	0.585	0.010	AVRG	-1.8	
Benzene	1.642	1.652	0.010	AVRG	0.6	
Trichloroethene	0.481	0.470	0.010	AVRG	-2.3	
1,2-Dichloropropane	0.517	0.491	0.010	AVRG	-5.0	
Bromodichloromethane	0.553	0.538	0.010	AVRG	-2.7	
Dibromomethane	0.257	0.256	0.010	AVRG	-0.4	
2-Chloroethyl Vinyl Ether	0.181	0.202	0.010	AVRG	11.6	
4-Methyl-2-Pentanone	0.132	0.128	0.010	AVRG	-3.0	
Cis 1,3-dichloropropene	0.604	0.623	0.010	AVRG	3.1	
Toluene	0.974	0.932	0.010	AVRG	-4.3	
Trans 1,3-Dichloropropene	0.508	0.497	0.010	AVRG	-2.2	
2-Hexanone	0.409	0.385	0.010	AVRG	-5.9	

<- Exceeds QC limit of 20% D
* RF less than minimum RF

FORM VII VOA

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Cont. Calib. Date: 08/10/10

Init. Calib. Date: 07/23/10 Cont. Calib. Time: 1038

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift	
1,1,2-Trichloroethane	0.303	0.303	0.010	AVRG	0.0	
1,3-Dichloropropane	0.704	0.710	0.010	AVRG	0.8	
Tetrachloroethene	0.556	0.530	0.010	AVRG	-4.7	
Chlorodibromomethane	0.473	0.458	0.010	AVRG	-3.2	
1,2-Dibromoethane	0.325	0.320	0.010	AVRG	-1.5	
Chlorobenzene	1.173	1.148	0.300	AVRG	-2.1	
Ethyl Benzene	1.983	2.121	0.010	AVRG	7.0	
1,1,1,2-Tetrachloroethane	0.449	0.381	0.010	AVRG	-15.1	
m,p-xylene	0.725	0.816	0.010	AVRG	12.6	
o-Xylene	0.753	0.783	0.010	AVRG	4.0	
Styrene	1.165	1.305	0.010	AVRG	12.0	
Bromoform	0.541	0.515	0.100	AVRG	-4.8	
1,1,2,2-Tetrachloroethane	0.972	0.931	0.300	AVRG	-4.2	
1,2,3-Trichloropropane	0.192	0.186	0.010	AVRG	-3.1	
Trans-1,4-Dichloro 2-Butene	0.299	0.344	0.010	AVRG	15.0	
N-Propyl Benzene	4.345	4.795	0.010	AVRG	10.4	
Bromobenzene	0.938	0.943	0.010	AVRG	0.5	
Isopropyl Benzene	3.366	3.805	0.010	AVRG	13.0	
2-Chloro Toluene	2.855	2.994	0.010	AVRG	4.9	
4-Chloro Toluene	2.737	3.342	0.010	AVRG	22.1	<-
T-Butyl Benzene	2.337	2.752	0.010	AVRG	17.8	
1,3,5-Trimethyl Benzene	2.732	3.234	0.010	AVRG	18.4	
1,2,4-Trimethylbenzene	2.690	3.218	0.010	AVRG	19.6	
S-Butyl Benzene	3.845	4.393	0.010	AVRG	14.2	
4-Isopropyl Toluene	2.638	3.319	0.010	AVRG	25.8	<-
1,3-Dichlorobenzene	1.603	1.849	0.010	AVRG	15.3	
1,4-Dichlorobenzene	1.604	1.830	0.010	AVRG	14.1	
N-Butyl Benzene	2.849	3.714	0.010	AVRG	30.4	<-
1,2-Dichlorobenzene	1.523	1.652	0.010	AVRG	8.5	
1,2-Dibromo 3-Chloropropane	0.168	0.162	0.010	AVRG	-3.6	
1,2,4-Trichlorobenzene	0.927	1.076	0.010	AVRG	16.1	
Hexachloro 1,3-Butadiene	0.624	0.669	0.010	AVRG	7.2	
Naphthalene	1.682	1.754	0.010	AVRG	4.3	
1,2,3-Trichlorobenzene	0.886	0.927	0.010	AVRG	4.6	
Dichlorodifluoromethane	0.648	0.592	0.010	AVRG	-8.6	
Methyl tert-Butyl Ether	1.456	1.268	0.010	AVRG	-12.9	

<- Exceeds QC limit of 20% D

* RF less than minimum RF

FORM VII VOA

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Instrument ID: FINN5 Cont. Calib. Date: 08/10/10

Init. Calib. Date: 07/23/10 Cont. Calib. Time: 1038

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
d4-1,2-Dichloroethane	0.652	0.593	0.010	AVRG	-9.0
d8-Toluene	1.099	1.125	0.010	AVRG	2.4
4-Bromofluorobenzene	0.585	0.580	0.010	AVRG	-0.8
d4-1,2-Dichlorobenzene	0.909	0.904	0.010	AVRG	-0.6
Dibromofluoromethane	0.596	0.546	0.010	AVRG	-8.4

<- Exceeds QC limit of 20% D
* RF less than minimum RF

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Ical Midpoint ID: 0500723 Ical Date: 07/23/10

Instrument ID: FINN5 Project Run Date: 08/10/10

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CLB) AREA #	RT #
	ICAL MIDPT	131115	6.62	191559	7.63	161199	10.78
	UPPER LIMIT	262230	7.12	383118	8.13	322398	11.28
	LOWER LIMIT	65558	6.12	95780	7.13	80600	10.28
	Sample ID						
01	LCS0810	113963	6.63	170822	7.65	146772	10.79
02	LCS0810	120686	6.63	178947	7.64	146633	10.79
03	MB0810	114844	6.62	162120	7.64	136524	10.78
04	MW14-15-16.5	136703	6.62	206520	7.63	170733	10.77
05	MW14-22.5-24	124371	6.62	184757	7.64	152814	10.78
06	MW13-10-11.5	128814	6.63	189147	7.64	162563	10.79
07	MW13-14-14.5	116703	6.61	175855	7.63	149298	10.77
08	MW13-18.5-19	121960	6.63	183448	7.65	157767	10.79
09	MW13-18.5-19	116169	6.62	173753	7.64	148950	10.78
10	MW12-5.5-7.5	119582	6.62	172971	7.64	131490	10.78
11	MW12-8-9.5-0	124485	6.62	187779	7.63	162157	10.78
12	MW12-10-11.5	121739	6.63	184223	7.65	160662	10.79
13	MW12-17.5-19	122631	6.61	185787	7.63	163042	10.77
14	MW12-8-9.5-0	141956	6.63	209660	7.64	170873	10.79
15	MW12-8-9.5-0	141432	6.62	212955	7.63	171883	10.78
16							
17							
18							
19							
20							
21							
22							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CLB) = d5-Chlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD SNIDER

ARI Job No: RG94 Project: LORA LAKE

Ical Midpoint ID: 0500723 Ical Date: 07/23/10

Instrument ID: FINN5 Project Run Date: 08/10/10

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	88279	13.47				
	UPPER LIMIT	176558	13.97				
	LOWER LIMIT	44140	12.97				
	Sample ID						
01	LCS0810	80742	13.48				
02	LCS0810	78163	13.47				
03	MB0810	66691	13.47				
04	MW14-15-16.5	82102	13.46				
05	MW14-22.5-24	73136	13.47				
06	MW13-10-11.5	82845	13.47				
07	MW13-14-14.5	74772	13.46				
08	MW13-18.5-19	80744	13.48				
09	MW13-18.5-19	72689	13.47				
10	MW12-5.5-7.5	47111	13.47				
11	MW12-8-9.5-0	80115	13.46				
12	MW12-10-11.5	79097	13.48				
13	MW12-17.5-19	81851	13.46				
14	MW12-8-9.5-0	93777	13.47				
15	MW12-8-9.5-0	99347	13.47				
16							
17							
18							
19							
20							
21							
22							

IS4 (DCB) = d4-1,4-Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-ER-080210**
Page 1 of 1 **SAMPLE**

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/12/10 20:32

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	97.1%
Bromofluorobenzene	91.5%
d4-1,2-Dichlorobenzene	99.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MW12-TB-080210**
Page 1 of 1 **TRIP BLANKS**

Lab Sample ID: RG94L
LIMS ID: 10-18605
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/12/10 15:29

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	98.7%
Bromofluorobenzene	97.3%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-081210	Method Blank	10	103%	98.2%	98.9%	103%	0
LCS-081210	Lab Control	10	103%	99.9%	98.1%	102%	0
LCSD-081210	Lab Control Dup	10	103%	97.6%	97.4%	99.5%	0
RG94K	MW12-ER-080210	10	100%	97.1%	91.5%	99.5%	0
RG94L	MW12-TB-080210	10	103%	98.7%	97.3%	104%	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	70-132	80-143
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-18604 to 10-18605

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-081210**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-081210
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT10/PKC
LCSD: NT10/PKC
Date Analyzed LCS: 08/12/10 13:41
LCSD: 08/12/10 14:06

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
trans-1,2-Dichloroethene	9.8	10.0	98.0%	10.0	10.0	100%	2.0%
cis-1,2-Dichloroethene	9.8	10.0	98.0%	9.8	10.0	98.0%	0.0%
1,2-Dichloroethane	9.7	10.0	97.0%	9.9	10.0	99.0%	2.0%
Trichloroethene	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
Tetrachloroethene	9.8	10.0	98.0%	10.0	10.0	100%	2.0%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	103%	103%
d8-Toluene	99.9%	97.6%
Bromofluorobenzene	98.1%	97.4%
d4-1,2-Dichlorobenzene	102%	99.5%

4A

VOLATILE METHOD BLANK SUMMARY

Method Blank ID.

MB0812

Lab Name: ANALYTICAL RESOURCES, INC

Client: FLOYD/SNIDER

ARI Job No: RG94

Project: POS-LLA (LORA LAKE APAR

Lab File ID: 08121011

Lab Sample ID: MB0812

Date Analyzed: 08/12/10

Time Analyzed: 1432

Instrument ID: NT10

Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS0812	LCS0812	08121009	1341
02	LCSD0812	LCSD0812	08121010	1406
03	MW12-TB-0802	RG94L	08121013	1529
04	MW12-ER-0802	RG94K	08121025	2032
05				
06				
07				
08				
09				
10				
11				
12				
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30				

COMMENTS:

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-081210**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-081210
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT10/PKC
Date Analyzed: 08/12/10 14:32

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	98.2%
Bromofluorobenzene	98.9%
d4-1,2-Dichlorobenzene	103%

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ANALYTICAL RESOURCES, INC Contract: FLOYD/SNIDER

Lab Code: ARI Case No.: POS-LLA (LORA LAKE APARTMENTS) SDG No.: RG94

Lab File ID: 08101016 BFB Injection Date: 08/10/10

Instrument ID: NT10 BFB Injection Time: 1616

GC Column: RTXVMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.6
75	30.0 - 66.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.2)1
174	50.0 - 101.0% of mass 95	71.6
175	4.0 - 9.0% of mass 174	5.4 (7.6)1
176	93.0 - 101.0% of mass 174	69.3 (96.9)1
177	5.0 - 9.0% of mass 176	4.5 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	60 PPB	IC60	08101017	08/10/10	1650
02	40 PPB	IC40	08101018	08/10/10	1715
03	20 PPB	IC20	08101019	08/10/10	1741
04	10 PPB	IC10	08101020	08/10/10	1806
05	2 PPB	IC02	08101021	08/10/10	1831
06	1 PPB	IC01	08101022	08/10/10	1856
07	0.5 PPB	IC0.5	08101023	08/10/10	1921
08	0.2 PPB	IC0.2	08101024	08/10/10	1947
09	ICV10	ICV10	08101025	08/10/10	2012
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ANALYTICAL RESOURCES, INC Contract: FLOYD/SNIDER

Lab Code: ARI Case No.: POS-LLA (LORA LAKE APARTMENTS) SDG No.: RG94

Lab File ID: 08121007 BFB Injection Date: 08/12/10

Instrument ID: NT10 BFB Injection Time: 1245

GC Column: RTXVMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.3
75	30.0 - 66.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2)1
174	50.0 - 101.0% of mass 95	73.3
175	4.0 - 9.0% of mass 174	5.8 (7.9)1
176	93.0 - 101.0% of mass 174	71.0 (96.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC0812	CC0812	08121008	08/12/10	1316
02	LCS0812	LCS0812	08121009	08/12/10	1341
03	LCSD0812	LCSD0812	08121010	08/12/10	1406
04	MB0812	MB0812	08121011	08/12/10	1432
05	MW12-TB-080210	RG94L	08121013	08/12/10	1529
06	MW12-ER-080210	RG94K	08121025	08/12/10	2032
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF0.2: 08101024 RF0.5: 08101023 RF1: 08101022
RF2: 08101021 RF10: 08101020

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF10
Chloromethane	0.791	0.674	0.770	0.693	0.630
Vinyl Chloride	0.898	0.835	0.939	0.890	0.789
Bromomethane		0.442	0.462	0.446	0.416
Chloroethane	0.602	0.545	0.544	0.542	0.512
Trichlorofluoromethane	0.896	0.935	0.996	0.964	0.929
Acrolein		0.051	0.053	0.057	0.056
112Trichloro122Trifluoroetha	0.854	0.808	0.808	0.775	0.722
Acetone		0.073	0.076	0.089	0.080
1,1-Dichloroethene	0.802	0.773	0.752	0.720	0.688
Bromoethane	0.595	0.567	0.594	0.543	0.507
Iodomethane		1.123	1.188	1.100	1.048
Methylene Chloride		0.786	0.804	0.722	0.672
Acrylonitrile		0.118	0.122	0.130	0.120
Carbon Disulfide	2.719	2.685	2.709	2.534	2.471
Trans-1,2-Dichloroethene	0.657	0.697	0.744	0.704	0.684
Vinyl Acetate	0.862	0.744	0.809	0.769	0.802
1,1-Dichloroethane	1.258	1.221	1.316	1.228	1.184
2-Butanone	0.163	0.136	0.136	0.141	0.143
2,2-Dichloropropane	0.827	0.833	0.880	0.840	0.797
Cis-1,2-Dichloroethene	0.800	0.730	0.785	0.730	0.711
Chloroform	1.310	1.270	1.330	1.257	1.210
Bromochloromethane	0.315	0.304	0.331	0.310	0.291
1,1,1-Trichloroethane	1.064	1.015	1.119	1.036	0.994
1,1-Dichloropropene	0.575	0.553	0.584	0.539	0.532
Carbon Tetrachloride	0.517	0.516	0.526	0.504	0.484
1,2-Dichloroethane	0.484	0.432	0.470	0.433	0.428
Benzene	1.508	1.462	1.558	1.466	1.479
Trichloroethene	0.375	0.352	0.384	0.365	0.355
1,2-Dichloropropane	0.349	0.331	0.347	0.328	0.336
Bromodichloromethane	0.510	0.477	0.502	0.480	0.478
Dibromomethane	0.185	0.182	0.199	0.186	0.181
2-Chloroethyl Vinyl Ether		0.135	0.153	0.139	0.151
4-Methyl-2-Pentanone	0.070	0.065	0.071	0.072	0.082
Cis 1,3-dichloropropene	0.543	0.464	0.533	0.505	0.540
Toluene	0.879	0.828	0.885	0.866	0.909
Trans 1,3-Dichloropropene	0.457	0.398	0.446	0.435	0.467
2-Hexanone	0.143	0.131	0.138	0.128	0.134

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF0.2: 08101024 RF0.5: 08101023 RF1: 08101022
RF2: 08101021 RF10: 08101020

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF10
1,1,2-Trichloroethane	0.230	0.221	0.236	0.239	0.242
1,3-Dichloropropane	0.516	0.466	0.499	0.467	0.474
Tetrachloroethene	0.376	0.346	0.375	0.349	0.352
Chlorodibromomethane	0.327	0.308	0.333	0.313	0.314
1,2-Dibromoethane	0.236	0.214	0.234	0.231	0.234
Chlorobenzene	1.087	1.054	1.106	1.052	1.069
Ethyl Benzene	0.096	0.093	0.094	0.094	0.095
1,1,1,2-Tetrachloroethane	0.383	0.330	0.364	0.374	0.378
m,p-xylene	0.669	0.660	0.695	0.695	0.751
o-Xylene	0.679	0.634	0.681	0.699	0.726
Styrene	1.124	1.044	1.069	1.081	1.184
Bromoform	0.335	0.337	0.367	0.309	0.330
1,1,2,2-Tetrachloroethane	0.720	0.677	0.733	0.634	0.626
1,2,3-Trichloropropane	0.202	0.189	0.212	0.184	0.185
Trans-1,4-Dichloro 2-Butene			0.185	0.152	0.164
N-Propyl Benzene	4.250	4.253	4.477	4.133	4.465
Bromobenzene	0.781	0.761	0.817	0.712	0.748
Isopropyl Benzene	3.444	3.417	3.638	3.307	3.598
2-Chloro Toluene	2.885	2.844	3.013	2.739	2.891
4-Chloro Toluene	2.568	2.667	2.751	2.559	2.669
T-Butyl Benzene	2.365	2.250	2.416	2.360	2.545
1,3,5-Trimethyl Benzene	2.889	2.753	2.963	2.871	3.040
1,2,4-Trimethylbenzene	2.881	2.772	2.936	2.883	3.069
S-Butyl Benzene	3.664	3.622	3.728	3.760	3.984
4-Isopropyl Toluene	2.887	2.850	2.905	3.021	3.195
1,3-Dichlorobenzene	1.559	1.527	1.607	1.507	1.560
1,4-Dichlorobenzene	1.729	1.616	1.697	1.584	1.612
N-Butyl Benzene	3.109	2.797	2.925	3.149	3.236
1,2-Dichlorobenzene	1.500	1.433	1.492	1.457	1.464
1,2-Dibromo 3-Chloropropane		0.106	0.115	0.105	0.102
1,2,4-Trichlorobenzene	0.746	0.649	0.706	0.872	0.884
Hexachloro 1,3-Butadiene		0.325	0.278	0.403	0.372
Naphthalene		1.315	1.395	1.734	1.725
1,2,3-Trichlorobenzene		0.507	0.559	0.729	0.722
Dichlorodifluoromethane	0.758	0.736	0.789	0.718	0.650
Methyl tert butyl ether	1.524	1.467	1.590	1.504	1.487

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF0.2: 08101024 RF0.5: 08101023 RF1: 08101022
RF2: 08101021 RF10: 08101020

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF10
d4-1,2-Dichloroethane	0.661	0.651	0.667	0.680	0.648
d8-Toluene	1.182	1.168	1.170	1.202	1.223
4-Bromofluorobenzene	0.487	0.484	0.484	0.526	0.522
d4-1,2-Dichlorobenzene	0.906	0.873	0.889	0.928	0.915
Dibromofluoromethane	0.591	0.593	0.597	0.605	0.578

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF20: 08101019 RF40: 08101018 RF60: 08101017

COMPOUND	RF20	RF40	RF60
Chloromethane	0.656	0.660	0.600
Vinyl Chloride	0.840	0.850	0.789
Bromomethane	0.453	0.486	0.461
Chloroethane	0.528	0.525	0.530
Trichlorofluoromethane	0.988	0.982	1.022
Acrolein	0.059	0.059	0.059
112Trichloro122Trifluoroetha	0.784	0.730	0.751
Acetone	0.073	0.078	0.077
1,1-Dichloroethene	0.742	0.723	0.765
Bromoethane	0.564	0.503	0.547
Iodomethane	1.136	1.040	1.106
Methylene Chloride	0.717	0.691	0.702
Acrylonitrile	0.122	0.120	0.119
Carbon Disulfide	2.666	2.470	2.631
Trans-1,2-Dichloroethene	0.728	0.713	0.731
Vinyl Acetate	0.810	0.778	0.798
1,1-Dichloroethane	1.233	1.209	1.238
2-Butanone	0.138	0.142	0.138
2,2-Dichloropropane	0.835	0.824	0.844
Cis-1,2-Dichloroethene	0.740	0.738	0.767
Chloroform	1.255	1.247	1.280
Bromochloromethane	0.308	0.303	0.311
1,1,1-Trichloroethane	1.036	1.021	1.035
1,1-Dichloropropene	0.560	0.564	0.581
Carbon Tetrachloride	0.504	0.504	0.518
1,2-Dichloroethane	0.438	0.440	0.450
Benzene	1.538	1.548	1.534
Trichloroethene	0.372	0.379	0.396
1,2-Dichloropropane	0.341	0.347	0.358
Bromodichloromethane	0.485	0.502	0.516
Dibromomethane	0.184	0.187	0.190
2-Chloroethyl Vinyl Ether	0.148	0.148	0.150
4-Methyl-2-Pentanone	0.079	0.085	0.084
Cis 1,3-dichloropropene	0.547	0.587	0.610
Toluene	0.915	0.957	0.992
Trans 1,3-Dichloropropene	0.472	0.500	0.515
2-Hexanone	0.134	0.126	0.123

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF20: 08101019 RF40: 08101018 RF60: 08101017

COMPOUND	RF20	RF40	RF60
1,1,2-Trichloroethane	0.240	0.251	0.256
1,3-Dichloropropane	0.489	0.472	0.471
Tetrachloroethene	0.364	0.379	0.395
Chlorodibromomethane	0.324	0.321	0.322
1,2-Dibromoethane	0.231	0.238	0.244
Chlorobenzene	1.098	1.102	1.108
Ethyl Benzene	0.093	0.095	0.098
1,1,1,2-Tetrachloroethane	0.375	0.375	0.388
m,p-xylene	0.747	0.753	0.721
o-Xylene	0.706	0.722	0.739
Styrene	1.134	1.153	1.149
Bromoform	0.364	0.352	0.367
1,1,2,2-Tetrachloroethane	0.674	0.651	0.653
1,2,3-Trichloropropane	0.202	0.194	0.199
Trans-1,4-Dichloro 2-Butene	0.186	0.173	0.182
N-Propyl Benzene	4.572	4.107	3.522
Bromobenzene	0.804	0.786	0.858
Isopropyl Benzene	3.792	3.656	3.286
2-Chloro Toluene	3.024	2.971	2.704
4-Chloro Toluene	2.804	2.711	2.759
T-Butyl Benzene	2.499	2.644	2.603
1,3,5-Trimethyl Benzene	3.038	3.132	2.971
1,2,4-Trimethylbenzene	3.030	3.083	2.904
S-Butyl Benzene	3.795	3.860	3.305
4-Isopropyl Toluene	3.006	3.199	2.859
1,3-Dichlorobenzene	1.590	1.595	1.613
1,4-Dichlorobenzene	1.628	1.630	1.643
N-Butyl Benzene	3.015	3.109	2.755
1,2-Dichlorobenzene	1.435	1.433	1.394
1,2-Dibromo 3-Chloropropane	0.097	0.090	0.086
1,2,4-Trichlorobenzene	0.717	0.632	0.640
Hexachloro 1,3-Butadiene	0.289	0.260	0.262
Naphthalene	1.455	1.259	1.272
1,2,3-Trichlorobenzene	0.551	0.456	0.514
Dichlorodifluoromethane	0.696	0.707	0.665
Methyl tert butyl ether	1.565	1.550	1.541

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

LAB FILE ID: RF20: 08101019 RF40: 08101018 RF60: 08101017

COMPOUND	RF20	RF40	RF60
d4-1,2-Dichloroethane	0.640	0.660	0.650
d8-Toluene	1.184	1.233	1.249
4-Bromofluorobenzene	0.483	0.486	0.474
d4-1,2-Dichlorobenzene	0.872	0.884	0.863
Dibromofluoromethane	0.596	0.591	0.601

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
Chloromethane	AVRG	0.684	9.6
Vinyl Chloride	AVRG	0.854	6.2
Bromomethane	AVRG	0.452	4.7
Chloroethane	AVRG	0.541	5.0
Trichlorofluoromethane	AVRG	0.964	4.3
Acrolein	AVRG	0.056	5.2
112Trichloro122Trifluoroetha	AVRG	0.779	5.7
Acetone	AVRG	0.078	7.3
1,1-Dichloroethene	AVRG	0.746	4.8
Bromoethane	AVRG	0.553	6.3
Iodomethane	AVRG	1.106	4.6
Methylene Chloride	AVRG	0.728	6.7
Acrylonitrile	AVRG	0.122	3.3
Carbon Disulfide	AVRG	2.611	4.0
Trans-1,2-Dichloroethene	AVRG	0.707	4.0
Vinyl Acetate	AVRG	0.796	4.4
1,1-Dichloroethane	AVRG	1.236	3.2
2-Butanone	AVRG	0.142	6.2
2,2-Dichloropropane	AVRG	0.835	2.8
Cis-1,2-Dichloroethene	AVRG	0.750	4.1
Chloroform	AVRG	1.270	2.9
Bromochloromethane	AVRG	0.309	3.7
1,1,1-Trichloroethane	AVRG	1.040	3.6
1,1-Dichloropropene	AVRG	0.561	3.4
Carbon Tetrachloride	AVRG	0.509	2.6
1,2-Dichloroethane	AVRG	0.447	4.5
Benzene	AVRG	1.512	2.5
Trichloroethene	AVRG	0.372	4.0
1,2-Dichloropropane	AVRG	0.342	2.9
Bromodichloromethane	AVRG	0.494	3.1
Dibromomethane	AVRG	0.187	3.0
2-Chloroethyl Vinyl Ether	AVRG	0.146	4.6
4-Methyl-2-Pentanone	AVRG	0.076	9.9
Cis 1,3-dichloropropene	AVRG	0.541	8.4
Toluene	AVRG	0.904	5.7
Trans 1,3-Dichloropropene	AVRG	0.461	8.0
2-Hexanone	AVRG	0.132	5.0

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
1,1,2-Trichloroethane	AVRG	0.239	4.6
1,3-Dichloropropane	AVRG	0.482	3.7
Tetrachloroethene	AVRG	0.367	4.7
Chlorodibromomethane	AVRG	0.320	2.6
1,2-Dibromoethane	AVRG	0.233	3.7
Chlorobenzene	AVRG	1.084	2.1
Ethyl Benzene	AVRG	0.094	1.9
1,1,1,2-Tetrachloroethane	AVRG	0.371	4.8
m,p-xylene	AVRG	0.711	5.2
o-Xylene	AVRG	0.698	4.8
Styrene	AVRG	1.117	4.3
Bromoform	AVRG	0.345	6.1
1,1,2,2-Tetrachloroethane	AVRG	0.671	5.8
1,2,3-Trichloropropane	AVRG	0.196	4.9
Trans-1,4-Dichloro 2-Butene	AVRG	0.174	7.9
N-Propyl Benzene	AVRG	4.222	7.8
Bromobenzene	AVRG	0.783	5.7
Isopropyl Benzene	AVRG	3.517	5.1
2-Chloro Toluene	AVRG	2.884	4.1
4-Chloro Toluene	AVRG	2.686	3.3
T-Butyl Benzene	AVRG	2.460	5.5
1,3,5-Trimethyl Benzene	AVRG	2.957	4.0
1,2,4-Trimethylbenzene	AVRG	2.945	3.6
S-Butyl Benzene	AVRG	3.715	5.4
4-Isopropyl Toluene	AVRG	2.990	4.8
1,3-Dichlorobenzene	AVRG	1.570	2.4
1,4-Dichlorobenzene	AVRG	1.642	2.9
N-Butyl Benzene	AVRG	3.012	5.7
1,2-Dichlorobenzene	AVRG	1.451	2.4
1,2-Dibromo 3-Chloropropane	AVRG	0.100	10.0
1,2,4-Trichlorobenzene	AVRG	0.731	13.6
Hexachloro 1,3-Butadiene	AVRG	0.313	17.9
Naphthalene	AVRG	1.450	13.9
1,2,3-Trichlorobenzene	AVRG	0.577	18.5
Dichlorodifluoromethane	AVRG	0.715	6.4
Methyl tert butyl ether	AVRG	1.528	2.7

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Calibration Date: 08/10/10

COMPOUND	CURVE TYPE	AVE RF	%RSD OR R^2
d4-1,2-Dichloroethane	AVRG	0.657	1.9
d8-Toluene	AVRG	1.201	2.5
4-Bromofluorobenzene	AVRG	0.493	3.9
d4-1,2-Dichlorobenzene	AVRG	0.891	2.6
Dibromofluoromethane	AVRG	0.594	1.4

<- Indicates value outside QC limits:
(%RSD < 20% or R^2 > 0.990)

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Cont. Calib. Date: 08/12/10

Init. Calib. Date: 08/10/10 Cont. Calib. Time: 1316

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
Chloromethane	0.684	0.621	0.100	AVRG	-9.2
Vinyl Chloride	0.854	0.811	0.010	AVRG	-5.0
Bromomethane	0.452	0.489	0.010	AVRG	8.2
Chloroethane	0.541	0.544	0.010	AVRG	0.6
Trichlorofluoromethane	0.964	0.943	0.010	AVRG	-2.2
Acrolein	0.056	0.055	0.010	AVRG	-1.8
112Trichloro122Trifluoroetha	0.779	0.823	0.010	AVRG	5.6
Acetone	0.078	0.077	0.010	AVRG	-1.3
1,1-Dichloroethene	0.746	0.750	0.010	AVRG	0.5
Bromoethane	0.552	0.560	0.010	AVRG	1.4
Iodomethane	1.106	1.154	0.010	AVRG	4.3
Methylene Chloride	0.728	0.676	0.010	AVRG	-7.1
Acrylonitrile	0.122	0.117	0.010	AVRG	-4.1
Carbon Disulfide	2.611	2.662	0.010	AVRG	2.0
Trans-1,2-Dichloroethene	0.707	0.677	0.010	AVRG	-4.2
Vinyl Acetate	0.796	0.737	0.010	AVRG	-7.4
1,1-Dichloroethane	1.236	1.171	0.100	AVRG	-5.2
2-Butanone	0.142	0.137	0.010	AVRG	-3.5
2,2-Dichloropropane	0.835	0.788	0.010	AVRG	-5.6
Cis-1,2-Dichloroethene	0.750	0.701	0.010	AVRG	-6.5
Chloroform	1.270	1.198	0.010	AVRG	-5.7
Bromochloromethane	0.309	0.296	0.010	AVRG	-4.2
1,1,1-Trichloroethane	1.040	1.007	0.010	AVRG	-3.2
1,1-Dichloropropene	0.561	0.531	0.010	AVRG	-5.3
Carbon Tetrachloride	0.509	0.492	0.010	AVRG	-3.3
1,2-Dichloroethane	0.447	0.426	0.010	AVRG	-4.7
Benzene	1.512	1.495	0.010	AVRG	-1.1
Trichloroethene	0.372	0.357	0.010	AVRG	-4.0
1,2-Dichloropropane	0.342	0.323	0.010	AVRG	-5.6
Bromodichloromethane	0.494	0.472	0.010	AVRG	-4.4
Dibromomethane	0.187	0.180	0.010	AVRG	-3.7
2-Chloroethyl Vinyl Ether	0.146	0.132	0.010	AVRG	-9.6
4-Methyl-2-Pentanone	0.076	0.076	0.010	AVRG	0.0
Cis 1,3-dichloropropene	0.541	0.511	0.010	AVRG	-5.5
Toluene	0.904	0.872	0.010	AVRG	-3.5
Trans 1,3-Dichloropropene	0.461	0.511	0.010	AVRG	10.8
2-Hexanone	0.132	0.133	0.010	AVRG	0.8

<- Exceeds QC limit of 20% D

* RF less than minimum RF

FORM VII VOA

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Cont. Calib. Date: 08/12/10

Init. Calib. Date: 08/10/10 Cont. Calib. Time: 1316

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
1,1,2-Trichloroethane	0.239	0.226	0.010	AVRG	-5.4
1,3-Dichloropropane	0.482	0.465	0.010	AVRG	-3.5
Tetrachloroethene	0.367	0.367	0.010	AVRG	0.0
Chlorodibromomethane	0.320	0.316	0.010	AVRG	-1.2
1,2-Dibromoethane	0.233	0.218	0.010	AVRG	-6.4
Chlorobenzene	1.084	1.075	0.300	AVRG	-0.8
Ethyl Benzene	0.095	0.093	0.010	AVRG	-2.1
1,1,1,2-Tetrachloroethane	0.371	0.378	0.010	AVRG	1.9
m,p-xylene	0.711	0.731	0.010	AVRG	2.8
o-Xylene	0.698	0.693	0.010	AVRG	-0.7
Styrene	1.117	1.123	0.010	AVRG	0.5
Bromoform	0.345	0.343	0.100	AVRG	-0.6
1,1,2,2-Tetrachloroethane	0.671	0.645	0.300	AVRG	-3.9
1,2,3-Trichloropropane	0.196	0.192	0.010	AVRG	-2.0
Trans-1,4-Dichloro 2-Butene	0.174	0.190	0.010	AVRG	9.2
N-Propyl Benzene	4.222	4.416	0.010	AVRG	4.6
Bromobenzene	0.783	0.751	0.010	AVRG	-4.1
Isopropyl Benzene	3.517	3.577	0.010	AVRG	1.7
2-Chloro Toluene	2.884	2.833	0.010	AVRG	-1.8
4-Chloro Toluene	2.686	2.666	0.010	AVRG	-0.7
T-Butyl Benzene	2.460	2.393	0.010	AVRG	-2.7
1,3,5-Trimethyl Benzene	2.957	2.918	0.010	AVRG	-1.3
1,2,4-Trimethylbenzene	2.945	2.920	0.010	AVRG	-0.8
S-Butyl Benzene	3.715	3.729	0.010	AVRG	0.4
4-Isopropyl Toluene	2.990	2.936	0.010	AVRG	-1.8
1,3-Dichlorobenzene	1.570	1.550	0.010	AVRG	-1.3
1,4-Dichlorobenzene	1.642	1.618	0.010	AVRG	-1.5
N-Butyl Benzene	3.012	2.991	0.010	AVRG	-0.7
1,2-Dichlorobenzene	1.451	1.421	0.010	AVRG	-2.1
1,2-Dibromo 3-Chloropropane	0.100	0.091	0.010	AVRG	-9.0
1,2,4-Trichlorobenzene	0.731	0.673	0.010	AVRG	-7.9
Hexachloro 1,3-Butadiene	0.313	0.265	0.010	AVRG	-15.3
Naphthalene	1.451	1.272	0.010	AVRG	-12.3
1,2,3-Trichlorobenzene	0.577	0.495	0.010	AVRG	-14.2
Dichlorodifluoromethane	0.715	0.649	0.010	AVRG	-9.2
Methyl tert butyl ether	1.528	1.408	0.010	AVRG	-7.8

<- Exceeds QC limit of 20% D
* RF less than minimum RF

FORM VII VOA

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMEN

Instrument ID: NT10 Cont. Calib. Date: 08/12/10

Init. Calib. Date: 08/10/10 Cont. Calib. Time: 1316

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
d4-1,2-Dichloroethane	0.657	0.647	0.010	AVRG	-1.5
d8-Toluene	1.201	1.192	0.010	AVRG	-0.7
4-Bromofluorobenzene	0.493	0.472	0.010	AVRG	-4.2
d4-1,2-Dichlorobenzene	0.891	0.888	0.010	AVRG	-0.3
Dibromofluoromethane	0.594	0.598	0.010	AVRG	0.7

<- Exceeds QC limit of 20% D
* RF less than minimum RF

FORM VII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMENT

Ical Midpoint ID: 08101020 Ical Date: 08/10/10

Instrument ID: NT10 Project Run Date: 08/10/10

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CLB) AREA #	RT #
	ICAL MIDPT	809844	5.24	1494542	5.64	1406726	7.72
	UPPER LIMIT	1619688	5.74	2989084	6.14	2813452	8.22
	LOWER LIMIT	404922	4.74	747271	5.14	703363	7.22
	Sample ID						
01	ICV10	722497	5.24	1328272	5.63	1249870	7.72
02							
03							
04							
05							
06							
07							
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18							
19							
20							
21							
22							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CLB) = d5-Chlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMENT

Ical Midpoint ID: 08101020 Ical Date: 08/10/10

Instrument ID: NT10 Project Run Date: 08/10/10

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	781222	9.43				
	UPPER LIMIT	1562444	9.93				
	LOWER LIMIT	390611	8.93				
	Sample ID						
01	ICV10	679394	9.43				
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (DCB) = d4-1,4-Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMENT

Ical Midpoint ID: 08101020 Ical Date: 08/10/10

Instrument ID: NT10 Project Run Date: 08/12/10

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CLB) AREA #	RT #
	ICAL MIDPT	809844	5.24	1494542	5.64	1406726	7.72
	UPPER LIMIT	1619688	5.74	2989084	6.14	2813452	8.22
	LOWER LIMIT	404922	4.74	747271	5.14	703363	7.22
	Sample ID						
01	LCS0812	871724	5.24	1630149	5.64	1484831	7.72
02	LCSD0812	866403	5.24	1608719	5.64	1401790	7.72
03	MB0812	793652	5.24	1464170	5.64	1317756	7.72
04	MW12-TB-0802	777978	5.24	1416594	5.64	1280570	7.72
05	MW12-ER-0802	809029	5.24	1508074	5.64	1278815	7.72
06							
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18							
19							
20							
21							
22							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CLB) = d5-Chlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE APARTMENT

Ical Midpoint ID: 08101020 Ical Date: 08/10/10

Instrument ID: NT10 Project Run Date: 08/12/10

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	781222	9.43				
	UPPER LIMIT	1562444	9.93				
	LOWER LIMIT	390611	8.93				
	Sample ID						
01	LCS0812	813594	9.43				
02	LCSD0812	738926	9.43				
03	MB0812	714430	9.43				
04	MW12-TB-0802	687414	9.43				
05	MW12-ER-0802	607285	9.43				
06							
07							
08							
09							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (DCB) = d4-1,4-Dichlorobenzene

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Ical midpoint
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Ical midpoint

* Values outside of QC limits.

Semivolatile PAH Analysis
Report and Summary QC Forms

ARI Job ID: RG94

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-ER-080210
SAMPLE

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/05/10
Date Analyzed: 08/18/10 14:40
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Silica Gel: No

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Alumina Cleanup: No

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
TOTBFA	Total Benzofluoranthenes	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

dl4-p-Terphenyl	78.4%
2-Fluorobiphenyl	56.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-ER-080210
REEXTRACT

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/24/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/19/10
Date Analyzed: 08/20/10 13:54
Instrument/Analyst: NT4/JZ
GPC Cleanup: No
Silica Gel: Yes

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Alumina Cleanup: No

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
TOTBFA	Total Benzofluoranthenes	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	73.2%
2-Fluorobiphenyl	71.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW14-15-16.5-080210
SAMPLE

Lab Sample ID: RG94A
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 17:57
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 15.9%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	77.6%
2-Fluorobiphenyl	64.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW14-22.5-24-080210
SAMPLE

Lab Sample ID: RG94B
LIMS ID: 10-18595
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 18:29
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.2%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	79.2%
2-Fluorobiphenyl	62.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: MW13-10-11.5-080210
SAMPLE

Lab Sample ID: RG94C
LIMS ID: 10-18596
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 19:02
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 12.7%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	76.0%
2-Fluorobiphenyl	58.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: MW13-14-14.5-080210
SAMPLE

Lab Sample ID: RG94D
LIMS ID: 10-18597
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 19:35
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 13.0%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	80.0%
2-Fluorobiphenyl	63.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210
SAMPLE

Lab Sample ID: RG94E
LIMS ID: 10-18598
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 20:08
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 13.2%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	75.6%
2-Fluorobiphenyl	58.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210-D
SAMPLE

Lab Sample ID: RG94F
LIMS ID: 10-18599
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 20:40
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 26.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 14.2%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	19	< 19 U
218-01-9	Chrysene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
TOTBFA	Total Benzofluoranthenes	19	< 19 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	76.8%
2-Fluorobiphenyl	62.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-5.5-7.5-080210
SAMPLE

Lab Sample ID: RG94G
LIMS ID: 10-18600
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 21:13
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 9.9%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%
2-Fluorobiphenyl	55.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-8-9.5-080210
SAMPLE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 21:45
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 26.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	19	< 19 U
218-01-9	Chrysene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
TOTBFA	Total Benzofluoranthenes	19	< 19 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	72.8%
2-Fluorobiphenyl	58.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-10-11.5-080210
SAMPLE

Lab Sample ID: RG94I
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 23:23
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.0%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	72.4%
2-Fluorobiphenyl	60.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-17.5-19-080210
SAMPLE

Lab Sample ID: RG94J
LIMS ID: 10-18603
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 23:56
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 20.5%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	19	< 19 U
218-01-9	Chrysene	19	< 19 U
50-32-8	Benzo(a)pyrene	19	< 19 U
193-39-5	Indeno(1,2,3-cd)pyrene	19	< 19 U
53-70-3	Dibenz(a,h)anthracene	19	< 19 U
TOTBFA	Total Benzofluoranthenes	19	< 19 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	76.0%
2-Fluorobiphenyl	62.8%

ANALYTICAL RESOURCES INCORPORATED

SW8270 PNA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	TER	FBP	TOT OUT
MB-080510	88.8%	59.2%	0
LCS-080510	87.2%	61.6%	0
LCSD-080510	84.8%	58.8%	0
MW12-ER-080210	78.4%	56.4%	0
MW12-ER-080210 RE	73.2%	71.2%	0
MB-081910	80.0%	67.6%	0
LCS-081910	77.2%	68.4%	0
LCSD-081910	82.0%	67.2%	0

	LCS/MB LIMITS	QC LIMITS
(TER) = d14-p-Terphenyl	(52-110)	(23-120)
(FBP) = 2-Fluorobiphenyl	(36-100)	(38-100)

Prep Method: SW3520C
Log Number Range: 10-18604 to 10-21149

ANALYTICAL RESOURCES INCORPORATED

SW8270 PNA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	TER	FBP	TOT OUT
MW14-15-16.5-080210	77.6%	64.0%	0
MW14-22.5-24-080210	79.2%	62.0%	0
MW13-10-11.5-080210	76.0%	58.4%	0
MW13-14-14.5-080210	80.0%	63.6%	0
MW13-18.5-19.5-080210	75.6%	58.0%	0
MW13-18.5-19.5-080210-D	76.8%	62.0%	0
MW12-5.5-7.5-080210	54.0%	55.6%	0
MB-081410	83.2%	65.2%	0
LCS-081410	81.6%	65.6%	0
MW12-8-9.5-080210	72.8%	58.8%	0
MW12-8-9.5-080210 MS	81.6%	67.2%	0
MW12-8-9.5-080210 MSD	78.8%	62.0%	0
MW12-10-11.5-080210	72.4%	60.8%	0
MW12-17.5-19-080210	76.0%	62.8%	0

	LCS/MB LIMITS	QC LIMITS
(TER) = d14-p-Terphenyl	(47-112)	(35-112)
(FBP) = 2-Fluorobiphenyl	(40-100)	(34-100)

Prep Method: SW3550C
Log Number Range: 10-18594 to 10-18603

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-8-9.5-080210
MS/MSD

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted MS/MSD: 08/14/10

Date Analyzed MS: 08/18/10 22:18
MSD: 08/18/10 22:51
Instrument/Analyst MS: NT6/JZ
MSD: NT6/JZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount MS: 25.9 g-dry-wt
MSD: 25.5 g-dry-wt
Final Extract Volume MS: 0.5 mL
MSD: 0.5 mL
Dilution Factor MS: 1.00
MSD: 1.00
Alumina Cleanup: No

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Benzo(a)anthracene	< 19.2	333	483	68.9%	340	490	69.4%	2.1%
Chrysene	< 19.2	331	483	68.5%	326	490	66.5%	1.5%
Benzo(a)pyrene	< 19.2	245	483	50.7%	283	490	57.8%	14.4%
Indeno(1,2,3-cd)pyrene	< 19.2	311	483	64.4%	318	490	64.9%	2.2%
Dibenz(a,h)anthracene	< 19.2	319	483	66.0%	320	490	65.3%	0.3%
Total Benzofluoranthenes	< 19.2	634	965	65.7%	637	980	65.0%	0.5%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 22:18
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	19	---
218-01-9	Chrysene	19	---
50-32-8	Benzo(a)pyrene	19	---
193-39-5	Indeno(1,2,3-cd)pyrene	19	---
53-70-3	Dibenz(a,h)anthracene	19	---
TOTBFA	Total Benzofluoranthenes	19	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	81.6%
2-Fluorobiphenyl	67.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE DUPLICATE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 22:51
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	---
218-01-9	Chrysene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
TOTBFA	Total Benzofluoranthenes	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	78.8%
2-Fluorobiphenyl	62.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: 08/02/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/18/10 13:34
LCSD: 08/18/10 14:07
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: NO

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Alumina Cleanup: NO

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Benzo(a)anthracene	17.3	25.0	69.2%	17.4	25.0	69.6%	0.6%
Chrysene	17.0	25.0	68.0%	17.1	25.0	68.4%	0.6%
Benzo(a)pyrene	3.1	25.0	12.4%	6.9	25.0	27.6%	76.0%
Indeno(1,2,3-cd)pyrene	16.9	25.0	67.6%	17.0	25.0	68.0%	0.6%
Dibenz(a,h)anthracene	16.9	25.0	67.6%	17.0	25.0	68.0%	0.6%
Total Benzofluoranthenes	34.1	50.0	68.2%	34.4	50.0	68.8%	0.9%

Semivolatile Surrogate Recovery

	LCS	LCSD
d14-p-Terphenyl	87.2%	84.8%
2-Fluorobiphenyl	61.6%	58.8%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
Page 1 of 1

Sample ID: LCS-081910
LCS/LCSD

Lab Sample ID: LCS-081910
LIMS ID: 10-21149
Matrix: Water
Data Release Authorized:
Reported: 08/24/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA(Lora Lakes Apartments)
POS-LLA
Date Sampled: NA
Date Received: 08/02/10

Date Extracted LCS/LCSD: 08/19/10

Date Analyzed LCS: 08/20/10 12:47
LCSD: 08/20/10 13:21
Instrument/Analyst LCS: NT4/JZ
LCSD: NT4/JZ
GPC Cleanup: NO

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Alumina Cleanup: NO

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Benzo(a)anthracene	17.6	25.0	70.4%	19.2	25.0	76.8%	8.7%
Chrysene	17.4	25.0	69.6%	18.6	25.0	74.4%	6.7%
Benzo(a)pyrene	16.5	25.0	66.0%	17.8	25.0	71.2%	7.6%
Indeno(1,2,3-cd)pyrene	19.2	25.0	76.8%	21.3	25.0	85.2%	10.4%
Dibenz(a,h)anthracene	19.0	25.0	76.0%	20.9	25.0	83.6%	9.5%
Total Benzofluoranthenes	34.4	50.0	68.8%	37.6	50.0	75.2%	8.9%

Semivolatile Surrogate Recovery

	LCS	LCSD
d14-p-Terphenyl	77.2%	82.0%
2-Fluorobiphenyl	68.4%	67.2%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: LCS-081410
LAB CONTROL

Lab Sample ID: LCS-081410
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 17:24
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 25.0 g-dry-wt
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Alumina Cleanup: No

Analyte	Lab Control	Spike Added	Recovery
Benzo(a)anthracene	345	500	69.0%
Chrysene	336	500	67.2%
Benzo(a)pyrene	292	500	58.4%
Indeno(1,2,3-cd)pyrene	327	500	65.4%
Dibenz(a,h)anthracene	329	500	65.8%
Total Benzofluoranthenes	663	1000	66.3%

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	81.6%
2-Fluorobiphenyl	65.6%

Results reported in µg/kg

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

RG94MBW1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE A

Lab File ID: 08181002 Date Extracted: 08/05/10

Instrument ID: NT6 Date Analyzed: 08/18/10

Matrix: LIQUID Time Analyzed: 1302

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	RG94LCSW1	RG94LCSW1	08181003	08/18/10
02	RG94LCSDW1	RG94LCSDW1	08181004	08/18/10
03	MW12-ER-080210	RG94K	08181005	08/18/10
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FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/05/10
Date Analyzed: 08/18/10 13:02
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Silica Gel: No

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Alumina Cleanup: No

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
TOTBFA	Total Benzofluoranthenes	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	88.8%
2-Fluorobiphenyl	59.2%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

RG94MBW2

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA(LORA LAKES A

Lab File ID: 08201002 Date Extracted: 08/19/10

Instrument ID: NT4 Date Analyzed: 08/20/10

Matrix: LIQUID Time Analyzed: 1214

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	RG94LCSW2	RG94LCSW2	08201003	08/20/10
02	RG94LCSDW2	RG94LCSDW2	08201004	08/20/10
03	MW12-ER-080210	RG94KRE	08201005	08/20/10
04				
05				
06				
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FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS

Sample ID: MB-081910
METHOD BLANK

Lab Sample ID: MB-081910
LIMS ID: 10-21149
Matrix: Water
Data Release Authorized:
Reported: 08/24/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA(Lora Lakes Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/19/10
Date Analyzed: 08/20/10 12:14
Instrument/Analyst: NT4/JZ
GPC Cleanup: No
Silica Gel: No

Sample Amount: 500 mL
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Alumina Cleanup: No

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
TOTBFA	Total Benzofluoranthenes	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	80.0%
2-Fluorobiphenyl	67.6%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO. RG94MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA (LORA LAKE A

Lab File ID: 08181009 Date Extracted: 08/14/10

Instrument ID: NT6 Date Analyzed: 08/18/10

Matrix: SOLID Time Analyzed: 1651

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	RG94LCSS1	RG94LCSS1	08181010	08/18/10
02	MW14-15-16.5-080	RG94A	08181011	08/18/10
03	MW14-22.5-24-080	RG94B	08181012	08/18/10
04	MW13-10-11.5-080	RG94C	08181013	08/18/10
05	MW13-14-14.5-080	RG94D	08181014	08/18/10
06	MW13-18.5-19.5-0	RG94E	08181015	08/18/10
07	MW13-18.5-19.5-0	RG94F	08181016	08/18/10
08	MW12-5.5-7.5-080	RG94G	08181017	08/18/10
09	MW12-8-9.5-08021	RG94H	08181018	08/18/10
10	MW12-8-9.5-0802	RG94HMS	08181019	08/18/10
11	MW12-8-9.5-0802	RG94HMSD	08181020	08/18/10
12	MW12-10-11.5-080	RG94I	08181021	08/18/10
13	MW12-17.5-19-080	RG94J	08181022	08/18/10
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FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D GC/MS
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Sample ID: MB-081410
METHOD BLANK

Lab Sample ID: MB-081410
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/19/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/14/10
Date Analyzed: 08/18/10 16:51
Instrument/Analyst: NT6/JZ
GPC Cleanup: No
Alumina: No
Silica Gel: Yes

Sample Amount: 25.0 g
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
56-55-3	Benzo(a)anthracene	20	< 20 U
218-01-9	Chrysene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
TOTBFA	Total Benzofluoranthenes	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	83.2%
2-Fluorobiphenyl	65.2%

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

Instrument ID: NT4 Project: LORA LAKE RI

DFTPP Injection Date: 07/19/10 DFTPP Injection Time: 1618

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	10.0 - 80.0% of mass 198	55.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 60.0% of mass 198	23.4
365	Greater than 1.0% of mass 198	2.50
441	0.0 - 24.0% of mass 442	13.5 (15.4)2
442	50.0 - 200.0% of mass 198	87.7
443	15.0 - 24.0% of mass 442	17.3 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	IC250719	IC250719	07191001	07/19/10	1618
02	IC010719	IC010719	07191002	07/19/10	1656
03	IC050719	IC050719	07191003	07/19/10	1733
04	IC100719	IC100719	07191004	07/19/10	1807
05	IC400719	IC400719	07191005	07/19/10	1841
06	IC600719	IC600719	07191006	07/19/10	1914
07	IC800719	IC800719	07191007	07/19/10	1948
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

Instrument ID: NT4 Project: LORA LAKE RI

DFTPP Injection Date: 08/20/10 DFTPP Injection Time: 1133

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	10.0 - 80.0% of mass 198	54.6
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	23.5
365	Greater than 1.0% of mass 198	2.57
441	0.0 - 24.0% of mass 442	4.0 (4.2)2
442	50.0 - 200.0% of mass 198	95.2
443	15.0 - 24.0% of mass 442	18.9 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC0820	CC0820	08201001	08/20/10	1133
02	RG94MBW2	RG94MBW2	08201002	08/20/10	1214
03	RG94LCSW2	RG94LCSW2	08201003	08/20/10	1247
04	RG94LCSDW2	RG94LCSDW2	08201004	08/20/10	1321
05	MW12-ER-080210	RG94KRE	08201005	08/20/10	1354
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

Instrument ID: NT6 Project: POS-LLA

DFTPP Injection Date: 07/23/10 DFTPP Injection Time: 1501

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.4
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	10.0 - 80.0% of mass 198	50.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1.0% of mass 198	3.26
441	0.0 - 24.0% of mass 442	10.5 (15.1)2
442	50.0 - 200.0% of mass 198	69.5
443	15.0 - 24.0% of mass 442	14.4 (20.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	IC250723	IC250723	07231001	07/23/10	1501
02	IC010723	IC010723	07231002	07/23/10	1538
03	IC050723	IC050723	07231003	07/23/10	1616
04	IC100723	IC100723	07231004	07/23/10	1652
05	IC400723	IC400723	07231005	07/23/10	1729
06	IC600723	IC600723	07231006	07/23/10	1801
07	IC800723	IC800723	07231007	07/23/10	1838
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

Instrument ID: NT6 Project: POS-LLA

DFTPP Injection Date: 08/18/10 DFTPP Injection Time: 1223

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.3
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	10.0 - 80.0% of mass 198	48.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1.0% of mass 198	3.14
441	0.0 - 24.0% of mass 442	11.5 (14.5)2
442	50.0 - 200.0% of mass 198	79.5
443	15.0 - 24.0% of mass 442	16.1 (20.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC0818	CC0818	08181001	08/18/10	1223
02	RG94MBS1	RG94MBS1	08181009	08/18/10	1651
03	RG94LCSS1	RG94LCSS1	08181010	08/18/10	1724
04	MW14-15-16.5-080	RG94A	08181011	08/18/10	1757
05	MW14-22.5-24-080	RG94B	08181012	08/18/10	1829
06	MW13-10-11.5-080	RG94C	08181013	08/18/10	1902
07	MW13-14-14.5-080	RG94D	08181014	08/18/10	1935
08	MW13-18.5-19.5-0	RG94E	08181015	08/18/10	2008
09	MW13-18.5-19.5-0	RG94F	08181016	08/18/10	2040
10	MW12-5.5-7.5-080	RG94G	08181017	08/18/10	2113
11	MW12-8-9.5-08021	RG94H	08181018	08/18/10	2145
12	MW12-8-9.5-0802	RG94HMS	08181019	08/18/10	2218
13	MW12-8-9.5-0802	RG94HMSD	08181020	08/18/10	2251
14	MW12-10-11.5-080	RG94I	08181021	08/18/10	2323
15	MW12-17.5-19-080	RG94J	08181022	08/18/10	2356
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FORM V SV

6C

SEMIVOLATILE 8270-D INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: LORA LAKE RI

Instrument ID: NT4 Calibration Date: 07/19/10

LAB FILE ID: RRF1 =07191002 RRF5 =07191003 RRF10 =07191004
RRF25 =07191001 RRF40 =07191005 RRF60 =07191006
RRF80 =07191007

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 60	RRF 80	___ RRF	%RSD /R^2
Naphthalene	1.181	1.019	1.014	0.962	0.896	0.777	0.792	0.949	14.9
2-Methylnaphthalene	0.746	0.663	0.663	0.650	0.638	0.574	0.580	0.645	9.0
Acenaphthylene	1.949	1.755	1.753	1.672	1.560	1.388	1.409	1.641	12.3
Acenaphthene	1.245	1.099	1.112	1.066	1.031	0.944	0.980	1.068	9.2
Dibenzofuran	1.646	1.492	1.498	1.424	1.360	1.260	1.288	1.424	9.5
Fluorene	1.445	1.300	1.316	1.260	1.179	1.051	1.074	1.232	11.4
Phenanthrene	1.270	1.078	1.084	1.038	0.986	0.893	0.904	1.036	12.4
Anthracene	1.269	1.107	1.124	1.074	1.022	0.908	0.916	1.060	11.9
Fluoranthene	1.233	1.101	1.145	1.101	1.070	0.936	0.928	1.073	10.2
Pyrene	1.549	1.324	1.302	1.293	1.196	1.087	1.126	1.268	12.1
Benzo(a)anthracene	1.400	1.207	1.241	1.176	1.116	1.016	1.050	1.172	11.0
Chrysene	1.384	1.200	1.214	1.158	1.079	0.977	1.021	1.148	12.0
Benzo(a)pyrene	1.234	1.104	1.132	1.125	1.085	1.008	1.041	1.104	6.6
Indeno(1,2,3-cd)pyrene	1.109	1.079	1.195	1.245	1.261	1.177	1.234	1.186	5.9
Dibenzo(a,h)anthracene	0.819	0.863	0.968	1.027	1.038	0.954	1.003	0.953	8.8
Benzo(g,h,i)perylene	0.944	0.900	1.054	1.046	1.078	1.014	1.058	1.013	6.6
1-methylnaphthalene	0.738	0.636	0.645	0.635	0.631	0.563	0.574	0.632	9.1
Total Benzofluoranthenes	1.382	1.227	1.244	1.199	1.142	1.024	1.044	1.180	10.5
Terphenyl-d14	0.936	0.818	0.742	0.802	0.727	0.686	0.710	0.774	11.1
2-Fluorobiphenyl	1.464	1.332	1.174	1.258	1.162	1.080	1.106	1.225	11.1

<- Outside QC limits: %RSD <20% or R^2 > 0.990

6B

SEMIVOLATILE 8270-D INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Instrument ID: NT6 Calibration Date: 07/23/10

LAB FILE ID: RRF1 =07231002 RRF5 =07231003 RRF10 =07231004
RRF25 =07231001 RRF40 =07231005 RRF60 =07231006
RRF80 =07231007

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 60	RRF 80	___ RRF	%RSD /R^2
Naphthalene	1.344	1.200	1.234	1.150	1.086	0.978	0.921	1.130	13.0
2-Methylnaphthalene	0.728	0.638	0.666	0.617	0.598	0.559	0.536	0.620	10.5
Acenaphthylene	2.388	2.206	2.262	2.117	1.979	1.779	1.677	2.058	12.6
Acenaphthene	1.449	1.311	1.358	1.306	1.260	1.174	1.140	1.285	8.3
Dibenzofuran	1.971	1.742	1.824	1.716	1.655	1.552	1.492	1.707	9.5
Fluorene	1.725	1.509	1.552	1.465	1.398	1.296	1.238	1.455	11.3
Phenanthrene	1.456	1.294	1.343	1.256	1.196	1.102	1.049	1.242	11.3
Anthracene	1.476	1.349	1.393	1.324	1.242	1.132	1.067	1.283	11.3
Fluoranthene	1.469	1.440	1.474	1.407	1.319	1.196	1.117	1.346	10.5
Pyrene	1.491	1.147	1.199	1.298	1.134	1.109	1.052	1.204	12.3
Benzo(a)anthracene	1.391	1.067	1.108	1.258	1.104	1.098	1.067	1.156	10.6
Chrysene	1.340	1.001	1.042	1.160	1.031	1.015	0.986	1.082	11.7
Benzo(a)pyrene	1.398	1.287	1.363	1.282	1.246	1.150	1.101	1.261	8.5
Indeno(1,2,3-cd)pyrene	1.859	1.700	1.761	1.708	1.672	1.582	1.529	1.687	6.5
Dibenzo(a,h)anthracene	1.371	1.330	1.381	1.333	1.299	1.220	1.142	1.296	6.7
Benzo(g,h,i)perylene	1.721	1.540	1.579	1.535	1.502	1.415	1.360	1.522	7.7
1-methylnaphthalene	0.741	0.665	0.679	0.642	0.620	0.581	0.557	0.641	9.7
Total Benzofluoranthenes	1.545	1.350	1.369	1.319	1.237	1.131	1.063	1.288	12.5
Terphenyl-d14	0.848	0.620	0.666	0.760	0.675	0.682		0.708	11.6
2-Fluorobiphenyl	1.655	1.418	1.444	1.370	1.295	1.218		1.400	10.7

<- Outside QC limits: %RSD <20% or R^2 > 0.990

SEMIVOLATILE 8270-D CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: LORA LAKE RI

Instrument ID: NT4 Cont. Calib. Date: 08/20/10

Init. Calib. Date: 07/19/10 Cont. Calib. Time: 1133

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
Naphthalene	0.949	0.896	0.700	AVRG	-5.6
2-Methylnaphthalene	0.645	0.607	0.400	AVRG	-5.9
Acenaphthylene	1.641	1.570	0.900	AVRG	-4.3
Acenaphthene	1.068	0.993	0.900	AVRG	-7.0
Dibenzofuran	1.424	1.333	0.800	AVRG	-6.4
Fluorene	1.232	1.132	0.900	AVRG	-8.1
Phenanthrene	1.036	0.912	0.700	AVRG	-12.0
Anthracene	1.060	0.951	0.700	AVRG	-10.3
Fluoranthene	1.073	0.954	0.600	AVRG	-11.1
Pyrene	1.268	1.230	0.600	AVRG	-3.0
Benzo(a)anthracene	1.172	1.125	0.800	AVRG	-4.0
Chrysene	1.148	1.097	0.700	AVRG	-4.4
Benzo(a)pyrene	1.104	1.020	0.700	AVRG	-7.6
Indeno(1,2,3-cd)pyrene	1.186	1.176	0.500	AVRG	-0.8
Dibenzo(a,h)anthracene	0.953	0.954	0.400	AVRG	0.1
Benzo(g,h,i)perylene	1.013	0.997	0.500	AVRG	-1.6
1-methylnaphthalene	0.632	0.592	0.010	AVRG	-6.3
Total Benzofluoranthenes	1.180	1.059	0.010	AVRG	-10.2
Terphenyl-d14	0.774	0.730	0.010	AVRG	-5.7
2-Fluorobiphenyl	1.225	1.118	0.010	AVRG	-8.7

<- Exceeds QC limit of 20% D
* RF less than minimum RF

7B

SEMIVOLATILE 8270-D CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Instrument ID: NT6 Cont. Calib. Date: 08/18/10

Init. Calib. Date: 07/23/10 Cont. Calib. Time: 1223

COMPOUND	CalAmt or ARF	CC Amt or RF	MIN RRF	CURVE TYPE	%D or Drift
Naphthalene	1.130	1.149	0.700	AVRG	1.7
2-Methylnaphthalene	0.620	0.613	0.400	AVRG	-1.1
Acenaphthylene	2.058	2.048	0.900	AVRG	-0.5
Acenaphthene	1.285	1.244	0.900	AVRG	-3.2
Dibenzofuran	1.707	1.654	0.800	AVRG	-3.1
Fluorene	1.455	1.445	0.900	AVRG	-0.7
Phenanthrene	1.242	1.228	0.700	AVRG	-1.1
Anthracene	1.283	1.298	0.700	AVRG	1.2
Fluoranthene	1.346	1.465	0.600	AVRG	8.8
Pyrene	1.204	1.225	0.600	AVRG	1.7
Benzo(a)anthracene	1.156	1.209	0.800	AVRG	4.6
Chrysene	1.082	1.130	0.700	AVRG	4.4
Benzo(a)pyrene	1.261	1.261	0.700	AVRG	0.0
Indeno(1,2,3-cd)pyrene	1.687	1.758	0.500	AVRG	4.2
Dibenzo(a,h)anthracene	1.296	1.374	0.400	AVRG	6.0
Benzo(g,h,i)perylene	1.522	1.564	0.500	AVRG	2.8
1-methylnaphthalene	0.641	0.658	0.010	AVRG	2.6
Total Benzofluoranthenes	1.288	1.282	0.010	AVRG	-0.5
Terphenyl-d14	0.708	0.733	0.010	AVRG	3.5
2-Fluorobiphenyl	1.400	1.332	0.010	AVRG	-4.8

<- Exceeds QC limit of 20% D
* RF less than minimum RF

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: LORA LAKE RI

Ical Midpoint ID: 07191001 Ical Date: 07/19/10

Instrument ID: NT4 Cont. Cal Date: 08/20/10

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	ICAL MIDPT	356478	8.70	1293412	10.74	785897	13.63
	UPPER LIMIT	712956		2586824		1571794	
	LOWER LIMIT	178239		646706		392948	
	CCAL	645810	7.61	2144165	9.66	1292381	12.50
	UPPER LIMIT		8.11		10.16		13.00
	LOWER LIMIT		7.11		9.16		12.00
01	RG94MBW2			1685318	9.65	1003587	12.50
02	RG94LCSW2			1785486	9.65	1073338	12.50
03	RG94LCSDW2			1798764	9.65	1066904	12.49
04	MW12-ER-0802			1845237	9.65	1081338	12.49
05							
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: LORA LAKE RI

Ical Midpoint ID: 07191001 Ical Date: 07/19/10

Instrument ID: NT4 Cont. Cal Date: 08/20/10

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	ICAL MIDPT	1313990		16.03		1155293		20.38		1146289		22.58	
	UPPER LIMIT	2627980				2310586				2292578			
	LOWER LIMIT	656995				577646				573144			
	CCAL	2129152		14.86		1684492		19.15		1830400		21.30	
	UPPER LIMIT			15.36				19.65				21.80	
	LOWER LIMIT			14.36				18.65				20.80	
01	RG94MBW2	1609277		14.85		1370407		19.14		1367417		21.29	
02	RG94LCSW2	1692270		14.85		1429276		19.15		1481401		21.29	
03	RG94LCSDW2	1676318		14.85		1428298		19.15		1497630		21.29	
04	MW12-ER-0802	1727594		14.85		1483361		19.14		1470438		21.29	
05													
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25													

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-2

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: LORA LAKE RI

Ical Midpoint ID: 07191001 Ical Date: 07/19/10

Instrument ID: NT4 Cont. Cal Date: 08/20/10

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	1825297	21.45				
	UPPER LIMIT	3650594					
	LOWER LIMIT	912648					
	CCAL	2699502	20.33				
	UPPER LIMIT		20.83				
	LOWER LIMIT		19.83				
01	RG94MBW2						
02	RG94LCSW2						
03	RG94LCSDW2						
04	MW12-ER-0802						
05							
06							
07							
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25							

IS7 = Di-n-octylphthalate-d4

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-3

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	ICAL MIDPT	182786	7.59	584137	9.64	320442	12.50
	UPPER LIMIT	365572		1168274		640884	
	LOWER LIMIT	91393		292068		160221	
	CCAL	172311	6.88	546358	8.94	307752	11.77
	UPPER LIMIT		7.38		9.44		12.27
	LOWER LIMIT		6.38		8.44		11.27
01	RG94MBW1			599179	8.94	359581	11.77
02	RG94LCSW1			601952	8.94	348479	11.77
03	RG94LCSDW1			596145	8.94	341816	11.77
04	MW12-ER-0802			583098	8.93	347883	11.77
05							
06							
07							
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25							

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	ICAL MIDPT	503793	14.86	532343	19.16	517269	21.31
	UPPER LIMIT	1007586		1064686		1034538	
	LOWER LIMIT	251896		266172		258634	
	CCAL	488731	14.11	578337	18.37	580924	20.50
	UPPER LIMIT		14.61		18.87		21.00
	LOWER LIMIT		13.61		17.87		20.00
01	RG94MBW1	575665	14.11	636315	18.36	607941	20.49
02	RG94LCSW1	573375	14.11	616150	18.36	584320	20.49
03	RG94LCSDW1	564252	14.11	616413	18.37	586055	20.49
04	MW12-ER-0802	557256	14.11	625212	18.36	593383	20.49
05							
06							
07							
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24							
25							

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-2

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	719428	20.35				
	UPPER LIMIT	1438856					
	LOWER LIMIT	359714					
	CCAL	693606	19.63				
	UPPER LIMIT		20.13				
	LOWER LIMIT		19.13				
01	RG94MBW1						
02	RG94LCSW1						
03	RG94LCSDW1						
04	MW12-ER-0802						
05							
06							
07							
08							
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24							
25							

IS7 = Di-n-octylphthalate-d4

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	ICAL MIDPT	182786	7.59	584137	9.64	320442	12.50
	UPPER LIMIT	365572		1168274		640884	
	LOWER LIMIT	91393		292068		160221	
	CCAL	172311	6.88	546358	8.94	307752	11.77
	UPPER LIMIT		7.38		9.44		12.27
	LOWER LIMIT		6.38		8.44		11.27
01	RG94MBS1			578412	8.94	341652	11.77
02	RG94LCSS1			588637	8.94	339445	11.77
03	MW14-15-16.5			587341	8.94	346099	11.77
04	MW14-22.5-24			593261	8.94	350852	11.77
05	MW13-10-11.5			587042	8.94	348793	11.77
06	MW13-14-14.5			561740	8.94	330483	11.77
07	MW13-18.5-19			592545	8.94	350477	11.77
08	MW13-18.5-19			608342	8.93	358413	11.77
09	MW12-5.5-7.5			587038	8.94	349006	11.77
10	MW12-8-9.5-0			608354	8.94	363036	11.77
11	MW12-8-9.5-0			562983	8.94	331260	11.77
12	MW12-8-9.5-0			611124	8.94	357655	11.77
13	MW12-10-11.5			608197	8.94	360327	11.77
14	MW12-17.5-19			607410	8.94	361123	11.77
15							
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19							
20							
21							
22							
23							
24							
25							

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	ICAL MIDPT	503793	14.86	532343	19.16	517269	21.31
	UPPER LIMIT	1007586		1064686		1034538	
	LOWER LIMIT	251896		266172		258634	
	CCAL	488731	14.11	578337	18.37	580924	20.50
	UPPER LIMIT		14.61		18.87		21.00
	LOWER LIMIT		13.61		17.87		20.00
01	RG94MBS1	554087	14.11	657444	18.36	664920	20.49
02	RG94LCSS1	555727	14.11	648848	18.37	665957	20.50
03	MW14-15-16.5	566818	14.11	679310	18.36	676681	20.50
04	MW14-22.5-24	569953	14.11	678836	18.36	677073	20.49
05	MW13-10-11.5	563210	14.11	671493	18.36	668106	20.49
06	MW13-14-14.5	533967	14.11	645867	18.36	634791	20.49
07	MW13-18.5-19	568259	14.11	678128	18.36	679313	20.49
08	MW13-18.5-19	581299	14.10	697196	18.36	695212	20.49
09	MW12-5.5-7.5	550555	14.11	691489	18.37	708293	20.50
10	MW12-8-9.5-0	587946	14.11	710053	18.36	715936	20.49
11	MW12-8-9.5-0	539955	14.11	630263	18.37	656206	20.49
12	MW12-8-9.5-0	587672	14.11	682634	18.37	709860	20.50
13	MW12-10-11.5	585611	14.11	695016	18.36	701481	20.50
14	MW12-17.5-19	583135	14.10	702883	18.36	690301	20.49
15							
16							
17							
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20							
21							
22							
23							
24							
25							

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

FORM VIII SV-2

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No: RG94 Project: POS-LLA

Ical Midpoint ID: 07231001 Ical Date: 07/23/10

Instrument ID: NT6 Cont. Cal Date: 08/18/10

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	ICAL MIDPT	719428	20.35				
	UPPER LIMIT	1438856					
	LOWER LIMIT	359714					
	CCAL	693606	19.63				
	UPPER LIMIT		20.13				
	LOWER LIMIT		19.13				
01	RG94MBS1						
02	RG94LCSS1						
03	MW14-15-16.5						
04	MW14-22.5-24						
05	MW13-10-11.5						
06	MW13-14-14.5						
07	MW13-18.5-19						
08	MW13-18.5-19						
09	MW12-5.5-7.5						
10	MW12-8-9.5-0						
11	MW12-8-9.5-0						
12	MW12-8-9.5-0						
13	MW12-10-11.5						
14	MW12-17.5-19						
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

IS7 = Di-n-octylphthalate-d4

AREA UPPER LIMIT = +100% of internal standard area from Ical midpoint
AREA LOWER LIMIT = - 50% of internal standard area from Ical midpoint
RT UPPER LIMIT = + 0.50 minutes of internal standard RT from Cont. Cal
RT LOWER LIMIT = - 0.50 minutes of internal standard RT from Cont. Cal

* Values outside of QC limits.

PCP/Chlorophenols Analysis
Report and Summary QC Forms

ARI Job ID: RG94

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-ER-080210
SAMPLE

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/13/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 21:45
Instrument/Analyst: ECD1/AAR

Sample Amount: 500 mL
Final Extract Volume: 50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	0.25	< 0.25 U

Reported in µg/L (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	58.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

SW8041 CHLOROPHENOLICS SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	TBP	TOT OUT
MB-080510	62.4%	0
LCS-080510	64.0%	0
LCSD-080510	65.0%	0
MW12-ER-080210	58.0%	0

	LCS/MB LIMITS	QC LIMITS
(TBP) = 2,4,6-Tribromophenol	(40-130)	(11-156)

Prep Method: SW3510C
Log Number Range: 10-18604 to 10-18604

FORM-II SW8041

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: LCS-080510
LCS/LCSD

Lab Sample ID: LCS-080510
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/13/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/10/10 21:05
LCSD: 08/10/10 21:25
Instrument/Analyst LCS: ECD1/AAR
LCSD: ECD1/AAR

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 50 mL
LCSD: 50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Pentachlorophenol	2.13	2.50	85.2%	2.02	2.50	80.8%	5.3%

Chlorophenols Surrogate Recovery

	LCS	LCSD
2,4,6-Tribromophenol	64.0%	65.0%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

4

CHLOROPHENOL METHOD BLANK SUMMARY

SAMPLE NO.

RG94MBW1

Lab Name: ANALYTICAL RESOURCES, INC — Client: FLOYD/SNIDER

ARI Job No.: RG94 — Project: POS-LLA

Lab Sample ID: RG94MBW1 — Lab File ID: 0810A006

Matrix (soil/water) LIQUID — Extraction:(SepF/Cont/Sonc) SW3510C

Sulfur Cleanup (Y/N) Y — Date Extracted: 08/05/10

Date Analyzed (1): 08/10/10 — Date Analyzed (2): 08/10/10

Time Analyzed (1): 2045 — Time Analyzed (2): 2045

Instrument ID (1): ECD1 — Instrument ID (2): ECD1

GC Column (1): ZB5 ID: 0.53(mm) — GC Column (2): ZB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	RG94LCSW1	RG94LCSW1	08/10/10	08/10/10
02	RG94LCSDW1	RG94LCSDW1	08/10/10	08/10/10
03	MW12-ER-0802	RG94K	08/10/10	08/10/10

FORM IV HERB

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MB-080510
METHOD BLANK

Lab Sample ID: MB-080510
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/13/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/05/10
Date Analyzed: 08/10/10 20:45
Instrument/Analyst: ECD1/AAR

Sample Amount: 500 mL
Final Extract Volume: 50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	0.25	< 0.25 U

Reported in µg/L (ppb)

Chlorophenol Surrogate Recovery	
2,4,6-Tribromophenol	62.4%

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.22	11.22	11.22	11.21	11.21	11.21	11.15	11.29
2,4,6-Trichloropheno	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
2,3,6-Trichloropheno	7.62	7.62	7.62	7.61	7.61	7.62	7.55	7.69
2,4,5-Trichloropheno	8.25	8.24	8.23	8.22	8.21	8.23	8.17	8.31
2,3,4-Trichloropheno	8.81	8.79	8.78	8.77	8.76	8.78	8.72	8.86
2,3,5,6-Tetrachlorop	9.01	9.01	9.00	9.00	8.99	9.00	8.94	9.08
2,3,4,5-Tetrachlorop	10.42	10.41	10.41	10.40	10.39	10.40	10.34	10.48
2,4-Dichlorophenol	6.90	6.89	6.89	6.89	6.88	6.89	6.82	6.96
2,4,6-Tribromophenol	10.01	10.00	10.00	9.99	9.98	10.00	9.93	10.07

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.66	11.65	11.65	11.65	11.65	11.65	11.59	11.73
2,4,6-Trichlorophenol	7.33	7.33	7.33	7.33	7.33	7.33	7.26	7.40
2,3,6-Trichlorophenol	7.86	7.86	7.86	7.86	7.85	7.86	7.79	7.93
2,4,5-Trichlorophenol	8.62	8.61	8.60	8.59	8.59	8.60	8.54	8.69
2,3,4-Trichlorophenol	9.38	9.37	9.36	9.36	9.35	9.36	9.31	9.45
2,3,5,6-Tetrachlorophenol	9.28	9.27	9.27	9.26	9.26	9.27	9.21	9.35
2,3,4,5-Tetrachlorophenol	11.13	11.12	11.11	11.11	11.10	11.11	11.06	11.20
2,4-Dichlorophenol	7.17	7.16	7.16	7.16	7.15	7.16	7.10	7.24
2,4,6-Tribromophenol	10.65	10.64	10.64	10.63	10.63	10.64	10.58	10.72

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol	24528	19824	17830	15337	13686	11965	0.9996	Q
2,4,6-Trichlorophenol	13540	10473	9560	8413	7539	6660	0.9997	Q
2,3,6-Trichlorophenol	12902	10500	9607	8801	8025	7161	0.9998	Q
2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	19.7	A
2,3,4-Trichlorophenol	8393	7068	7135	7922	5474	5053	19.4	A
2,3,5,6-Tetrachloroph	17905	15060	14996	14233	11882	10558	18.4	A
2,3,4,5-Tetrachloroph	16324	13459	12294	10216	8895	7628	0.9995	Q
2,4-Dichlorophenol	721	627	611	486	409	342	0.9993	Q
2,4,6-Tribromophenol	18561	14998	13969	12135	11200	9940	0.9997	Q
						AVE RSD	23.3	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol	28790	24995	23903	21206	20507	18368	16.2	A
2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10070	14.0	A
2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	14.6	A
2,4,5-Trichlorophenol	9451	7724	7152	6203	5568	4896	0.9997	Q
2,3,4-Trichlorophenol	13138	11714	9430	8408	7532	6669	0.9995	Q
2,3,5,6-Tetrachloroph	22710	20100	18581	17733	16666	15298	14.2	A
2,3,4,5-Tetrachloroph	18414	16106	15136	13550	12798	11541	17.0	A
2,4-Dichlorophenol	859	720	733	619	536	458	0.9997	Q
2,4,6-Tribromophenol	22648	19438	18816	17793	17226	16083	12.2	A
						AVE RSD	17.9	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/10/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :2025

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.21	11.15	11.29	23.2	25.0	-7.2
2,4,6-Trichlorophenol	7.26	7.19	7.33	22.3	25.0	-10.8
2,3,6-Trichlorophenol	7.62	7.55	7.69	21.0	25.0	-16.0
2,4,5-Trichlorophenol	8.22	8.17	8.31	22.4	25.0	-10.4
2,3,4-Trichlorophenol	8.77	8.72	8.86	21.0	25.0	-16.0
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	22.7	25.0	-9.2
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	23.5	25.0	-6.0
2,4-Dichlorophenol	6.89	6.82	6.96	224	250	-10.4
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	22.7	25.0	-9.2

AVERAGE %D = 10.6

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/10/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :2025

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	21.7	25.0	-13.2
2,4,6-Trichlorophenol	7.33	7.26	7.40	22.8	25.0	-8.8
2,3,6-Trichlorophenol	7.86	7.79	7.93	21.7	25.0	-13.2
2,4,5-Trichlorophenol	8.60	8.54	8.69	22.7	25.0	-9.2
2,3,4-Trichlorophenol	9.36	9.31	9.45	22.3	25.0	-10.8
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	21.4	25.0	-14.4
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	21.1	25.0	-15.6
2,4-Dichlorophenol	7.16	7.10	7.24	223	250	-10.8
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	21.4	25.0	-14.4

AVERAGE %D = 12.3

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/10/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :2325

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.21	11.15	11.29	22.7	25.0	-9.2
2,4,6-Trichlorophenol	7.26	7.19	7.33	22.3	25.0	-10.8
2,3,6-Trichlorophenol	7.61	7.55	7.69	21.1	25.0	-15.6
2,4,5-Trichlorophenol	8.22	8.17	8.31	22.4	25.0	-10.4
2,3,4-Trichlorophenol	8.77	8.72	8.86	21.9	25.0	-12.4
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	21.7	25.0	-13.2
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	23.5	25.0	-6.0
2,4-Dichlorophenol	6.89	6.82	6.96	222	250	-11.2
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	22.6	25.0	-9.6

AVERAGE %D = 10.9

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/10/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :2325

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	22.1	25.0	-11.6
2,4,6-Trichlorophenol	7.33	7.26	7.40	23.6	25.0	-5.6
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.4	25.0	-10.4
2,4,5-Trichlorophenol	8.59	8.54	8.69	23.1	25.0	-7.6
2,3,4-Trichlorophenol	9.36	9.31	9.45	22.9	25.0	-8.4
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	22.0	25.0	-12.0
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	21.7	25.0	-13.2
2,4-Dichlorophenol	7.16	7.10	7.24	230	250	-8.0
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	21.9	25.0	-12.4

AVERAGE %D = 9.9

FORM VII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.00

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	9.99
02		PCPA	08/09/10	1243	10.01
03		PCPB	08/09/10	1303	10.00
04		PCPC	08/09/10	1323	10.00
05		PCPE	08/09/10	1343	9.98
06		PCPF	08/09/10	1403	9.98
07	ZZZZZ	ZZZZZ	08/09/10	1423	10.00
08		PCP CCAL	08/10/10	2025	9.99
09	RG94MBW1	RG94MBW1	08/10/10	2045	10.00
10	RG94LCSW1	RG94LCSW1	08/10/10	2105	10.00
11	RG94LCSDW1	RG94LCSDW1	08/10/10	2125	9.99
12	MW12-ER-0802	RG94K	08/10/10	2145	10.00
13		PCP CCAL	08/10/10	2325	9.99
14	ZZZZZ	ZZZZZ	08/10/10	2345	----

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	10.63
02		PCPA	08/09/10	1243	10.65
03		PCPB	08/09/10	1303	10.64
04		PCPC	08/09/10	1323	10.64
05		PCPE	08/09/10	1343	10.63
06		PCPF	08/09/10	1403	10.63
07	ZZZZZ	ZZZZZ	08/09/10	1423	10.64
08		PCP CCAL	08/10/10	2025	10.63
09	RG94MBW1	RG94MBW1	08/10/10	2045	10.64
10	RG94LCSW1	RG94LCSW1	08/10/10	2105	10.63
11	RG94LCSDW1	RG94LCSDW1	08/10/10	2125	10.63
12	MW12-ER-0802	RG94K	08/10/10	2145	10.64
13		PCP CCAL	08/10/10	2325	10.63
14	ZZZZZ	ZZZZZ	08/10/10	2345	----

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041

Sample ID: MW14-22.5-24-080210
SAMPLE

Lab Sample ID: RG94B
LIMS ID: 10-18595
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 00:11
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.61 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 18.2%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.3	< 7.3 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	39.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW13-10-11.5-080210
SAMPLE

Lab Sample ID: RG94C
LIMS ID: 10-18596
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 00:31
Instrument/Analyst: ECD1/AAR

Sample Amount: 9.06 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 12.7%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	6.9	< 6.9 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	61.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW13-14-14.5-080210
SAMPLE

Lab Sample ID: RG94D
LIMS ID: 10-18597
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 00:51
Instrument/Analyst: ECD1/AAR

Sample Amount: 9.49 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 13.0%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	6.6	< 6.6 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	54.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-5.5-7.5-080210
SAMPLE

Lab Sample ID: RG94G
LIMS ID: 10-18600
Matrix: Soil
Data Release Authorized: MW
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 01:51
Instrument/Analyst: ECD1/AAR

Sample Amount: 9.14 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 9.9%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	6.8	< 6.8 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery	
2,4,6-Tribromophenol	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-8-9.5-080210
SAMPLE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 02:11
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.30 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.5	< 7.5 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery	
2,4,6-Tribromophenol	61.6%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-10-11.5-080210
SAMPLE

Lab Sample ID: RG94I
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 03:51
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.15 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 24.0%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.7	< 7.7 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	58.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-17.5-19-080210
SAMPLE

Lab Sample ID: RG94J
LIMS ID: 10-18603
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 04:11
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.44 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 20.5%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.4	< 7.4 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	18.2%

FORM I

ANALYTICAL RESOURCES INCORPORATED

SW8041 CHLOROPHENOLICS SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	TBP	TOT OUT
MW14-15-16.5-080210	***%	0
MW14-22.5-24-080210	39.0%	0
MW13-10-11.5-080210	61.6%	0
MW13-14-14.5-080210	54.4%	0
MW13-18.5-19.5-080210	***%	0
MW13-18.5-19.5-080210-D	***%	0
MW12-5.5-7.5-080210	68.0%	0
MB-081410	75.6%	0
LCS-081410	63.6%	0
MW12-8-9.5-080210	61.6%	0
MW12-8-9.5-080210 MS	60.0%	0
MW12-8-9.5-080210 MSD	62.4%	0
MW12-10-11.5-080210	58.0%	0
MW12-17.5-19-080210	18.2%	0

	LCS/MB LIMITS	QC LIMITS
(TBP) = 2,4,6-Tribromophenol	(50-115)	(10-146)

Prep Method: SW3550B
Log Number Range: 10-18594 to 10-18603

FORM-II SW8041

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MS/MSD

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted MS/MSD: 08/14/10

Sample Amount MS: 8.82 g-dry-wt
MSD: 8.67 g-dry-wt

Date Analyzed MS: 08/21/10 03:11
MSD: 08/21/10 03:31

Final Extract Volume MS: 25 mL
MSD: 25 mL

Instrument/Analyst MS: ECD1/AAR
MSD: ECD1/AAR

Dilution Factor MS: 1.00
MSD: 1.00

Percent Moisture: 18.0%

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Pentachlorophenol	< 7.53	51.1	70.9	72.1%	51.6	72.1	71.6%	1.0%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized: MW
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 03:11
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.82 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.1	---

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	60.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE DUP

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/21/10 03:31
Instrument/Analyst: ECD1/AAR

Sample Amount: 8.67 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 18.0%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.2	---

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	62.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: LCS-081410
LAB CONTROL

Lab Sample ID: LCS-081410
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized: NW
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/14/10
Date Analyzed: 08/20/10 23:31
Instrument/Analyst: ECD1/AAR

Sample Amount: 10.0 g
Final Extract Volume: 25 mL
Dilution Factor: 1.00

Analyte	Lab Control	Spike Added	Recovery
Pentachlorophenol	46.5	62.5	74.4%

Chlorophenols Surrogate Recovery	
2,4,6-Tribromophenol	63.6%

Results reported in µg/kg

CHLOROPHENOL METHOD BLANK SUMMARY

SAMPLE NO.

RG94MBS1

Lab Name: ANALYTICAL RESOURCES, INC — Client: FLOYD/SNIDER

ARI Job No.: RG94 — Project: POS-LLA

Lab Sample ID: RG94MBS1 — Lab File ID: 0820A029

Matrix (soil/water) SOLID — Extraction:(SepF/Cont/Sonc) SW3550C

Sulfur Cleanup (Y/N) Y — Date Extracted: 08/14/10

Date Analyzed (1): 08/20/10 — Date Analyzed (2): 08/20/10

Time Analyzed (1): 2311 — Time Analyzed (2): 2311

Instrument ID (1): ECD1 — Instrument ID (2): ECD1

GC Column (1): ZB5 ID: 0.53(mm) — GC Column (2): ZB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	RG94LCSS1	RG94LCSS1	08/20/10	08/20/10
02	MW14-22.5-24	RG94B	08/21/10	08/21/10
03	MW13-10-11.5	RG94C	08/21/10	08/21/10
04	MW13-14-14.5	RG94D	08/21/10	08/21/10
05	MW12-5.5-7.5	RG94G	08/21/10	08/21/10
06	MW12-8-9.5-0	RG94H	08/21/10	08/21/10
07	MW12-8-9.5-0	RG94HMS	08/21/10	08/21/10
08	MW12-8-9.5-0	RG94HMSD	08/21/10	08/21/10
09	MW12-10-11.5	RG94I	08/21/10	08/21/10
10	MW12-17.5-19	RG94J	08/21/10	08/21/10

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MB-081410
METHOD BLANK

Lab Sample ID: MB-081410
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/23/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/14/10
Date Analyzed: 08/20/10 23:11
Instrument/Analyst: ECD1/AAR

Sample Amount: 10.0 g
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	6.2	< 6.2 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	75.6%

FORM I

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.22	11.22	11.22	11.21	11.21	11.21	11.15	11.29
2,4,6-Trichloropheno	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
2,3,6-Trichloropheno	7.62	7.62	7.62	7.61	7.61	7.62	7.55	7.69
2,4,5-Trichloropheno	8.25	8.24	8.23	8.22	8.21	8.23	8.17	8.31
2,3,4-Trichloropheno	8.81	8.79	8.78	8.77	8.76	8.78	8.72	8.86
2,3,5,6-Tetrachlorop	9.01	9.01	9.00	9.00	8.99	9.00	8.94	9.08
2,3,4,5-Tetrachlorop	10.42	10.41	10.41	10.40	10.39	10.40	10.34	10.48
2,4-Dichlorophenol	6.90	6.89	6.89	6.89	6.88	6.89	6.82	6.96
2,4,6-Tribromophenol	10.01	10.00	10.00	9.99	9.98	10.00	9.93	10.07

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.66	11.65	11.65	11.65	11.65	11.65	11.59	11.73
2,4,6-Trichloropheno	7.33	7.33	7.33	7.33	7.33	7.33	7.26	7.40
2,3,6-Trichloropheno	7.86	7.86	7.86	7.86	7.85	7.86	7.79	7.93
2,4,5-Trichloropheno	8.62	8.61	8.60	8.59	8.59	8.60	8.54	8.69
2,3,4-Trichloropheno	9.38	9.37	9.36	9.36	9.35	9.36	9.31	9.45
2,3,5,6-Tetrachlorop	9.28	9.27	9.27	9.26	9.26	9.27	9.21	9.35
2,3,4,5-Tetrachlorop	11.13	11.12	11.11	11.11	11.10	11.11	11.06	11.20
2,4-Dichlorophenol	7.17	7.16	7.16	7.16	7.15	7.16	7.10	7.24
2,4,6-Tribromophenol	10.65	10.64	10.64	10.63	10.63	10.64	10.58	10.72

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol	24528	19824	17830	15337	13686	11965	0.9996	Q
2,4,6-Trichlorophenol	13540	10473	9560	8413	7539	6660	0.9997	Q
2,3,6-Trichlorophenol	12902	10500	9607	8801	8025	7161	0.9998	Q
2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	19.7	A
2,3,4-Trichlorophenol	8393	7068	7135	7922	5474	5053	19.4	A
2,3,5,6-Tetrachloroph	17905	15060	14996	14233	11882	10558	18.4	A
2,3,4,5-Tetrachloroph	16324	13459	12294	10216	8895	7628	0.9995	Q
2,4-Dichlorophenol	721	627	611	486	409	342	0.9993	Q
2,4,6-Tribromophenol	18561	14998	13969	12135	11200	9940	0.9997	Q
						AVE RSD	23.3	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol____	28790	24995	23903	21206	20507	18368	16.2	A
2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10070	14.0	A
2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	14.6	A
2,4,5-Trichlorophenol	9451	7724	7152	6203	5568	4896	0.9997	Q
2,3,4-Trichlorophenol	13138	11714	9430	8408	7532	6669	0.9995	Q
2,3,5,6-Tetrachloroph	22710	20100	18581	17733	16666	15298	14.2	A
2,3,4,5-Tetrachloroph	18414	16106	15136	13550	12798	11541	17.0	A
2,4-Dichlorophenol___	859	720	733	619	536	458	0.9997	Q
2,4,6-Tribromophenol	22648	19438	18816	17793	17226	16083	12.2	A
						AVE RSD	17.9	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/20/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :2251

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.21	11.15	11.29	22.2	25.0	-11.2
2,4,6-Trichlorophenol	7.26	7.19	7.33	25.2	25.0	0.8
2,3,6-Trichlorophenol	7.62	7.55	7.69	23.7	25.0	-5.2
2,4,5-Trichlorophenol	8.22	8.17	8.31	23.8	25.0	-4.8
2,3,4-Trichlorophenol	8.77	8.72	8.86	24.6	25.0	-1.6
2,3,5,6-Tetrachlorophenol	8.99	8.94	9.08	23.1	25.0	-7.6
2,3,4,5-Tetrachlorophenol	10.39	10.34	10.48	23.1	25.0	-7.6
2,4-Dichlorophenol	6.89	6.82	6.96	225	250	-10.0
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	23.2	25.0	-7.2

AVERAGE %D = 6.2

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/20/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :2251

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	22.2	25.0	-11.2
2,4,6-Trichlorophenol	7.33	7.26	7.40	23.1	25.0	-7.6
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.4	25.0	-10.4
2,4,5-Trichlorophenol	8.59	8.54	8.69	24.5	25.0	-2.0
2,3,4-Trichlorophenol	9.35	9.31	9.45	23.2	25.0	-7.2
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	23.3	25.0	-6.8
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	22.0	25.0	-12.0
2,4-Dichlorophenol	7.16	7.10	7.24	229	250	-8.4
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	22.9	25.0	-8.4

AVERAGE %D = 8.2

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/21/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :0251

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.21	11.15	11.29	22.7	25.0	-9.2
2,4,6-Trichlorophenol	7.26	7.19	7.33	25.4	25.0	1.6
2,3,6-Trichlorophenol	7.62	7.55	7.69	22.6	25.0	-9.6
2,4,5-Trichlorophenol	8.22	8.17	8.31	22.9	25.0	-8.4
2,3,4-Trichlorophenol	8.77	8.72	8.86	23.1	25.0	-7.6
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	23.7	25.0	-5.2
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	23.8	25.0	-4.8
2,4-Dichlorophenol	6.89	6.82	6.96	236	250	-5.6
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	24.0	25.0	-4.0

AVERAGE %D = 6.2

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/21/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :0251

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	24.2	25.0	-3.2
2,4,6-Trichlorophenol	7.33	7.26	7.40	23.8	25.0	-4.8
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.9	25.0	-8.4
2,4,5-Trichlorophenol	8.59	8.54	8.69	25.3	25.0	1.2
2,3,4-Trichlorophenol	9.36	9.31	9.45	23.9	25.0	-4.4
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	24.0	25.0	-4.0
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	23.3	25.0	-6.8
2,4-Dichlorophenol	7.16	7.10	7.24	233	250	-6.8
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	23.7	25.0	-5.2

AVERAGE %D = 5.0

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/21/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :0451

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.22	11.15	11.29	22.5	25.0	-10.0
2,4,6-Trichlorophenol	7.26	7.19	7.33	24.3	25.0	-2.8
2,3,6-Trichlorophenol	7.62	7.55	7.69	23.6	25.0	-5.6
2,4,5-Trichlorophenol	8.22	8.17	8.31	23.5	25.0	-6.0
2,3,4-Trichlorophenol	8.77	8.72	8.86	22.3	25.0	-10.8
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	23.4	25.0	-6.4
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	23.9	25.0	-4.4
2,4-Dichlorophenol	6.89	6.82	6.96	216	250	-13.6
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	23.7	25.0	-5.2

AVERAGE %D = 7.2

FORM VII PCP

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :08/21/10

Lab Sample ID (PCP): PCPCCAL Time Analyzed :0451

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	23.3	25.0	-6.8
2,4,6-Trichlorophenol	7.33	7.26	7.40	23.4	25.0	-6.4
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.6	25.0	-9.6
2,4,5-Trichlorophenol	8.59	8.54	8.69	24.8	25.0	-0.8
2,3,4-Trichlorophenol	9.36	9.31	9.45	23.5	25.0	-6.0
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	23.7	25.0	-5.2
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	22.9	25.0	-8.4
2,4-Dichlorophenol	7.16	7.10	7.24	225	250	-10.0
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	23.5	25.0	-6.0

AVERAGE %D = 6.6

FORM VII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.00

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	9.99
02		PCPA	08/09/10	1243	10.01
03		PCPB	08/09/10	1303	10.00
04		PCPC	08/09/10	1323	10.00
05		PCPE	08/09/10	1343	9.98
06		PCPF	08/09/10	1403	9.98
07	ZZZZZ	ZZZZZ	08/09/10	1423	10.00
08		PCPCCAL	08/20/10	2251	9.99
09	RG94MBS1	RG94MBS1	08/20/10	2311	9.98
10	RG94LCSS1	RG94LCSS1	08/20/10	2331	9.99
11	MW14-22.5-24	RG94B	08/21/10	0011	9.99
12	MW13-10-11.5	RG94C	08/21/10	0031	10.00
13	MW13-14-14.5	RG94D	08/21/10	0051	9.99
14	MW12-5.5-7.5	RG94G	08/21/10	0151	9.99
15	MW12-8-9.5-0	RG94H	08/21/10	0211	9.99
16	ZZZZZ	ZZZZZ	08/21/10	0231	9.99
17		PCPCCAL	08/21/10	0251	9.99
18	MW12-8-9.5-0	RG94HMS	08/21/10	0311	10.00
19	MW12-8-9.5-0	RG94HMSD	08/21/10	0331	10.00
20	MW12-10-11.5	RG94I	08/21/10	0351	10.00
21	MW12-17.5-19	RG94J	08/21/10	0411	10.00
22	ZZZZZ	ZZZZZ	08/21/10	0431	9.99
23		PCPCCAL	08/21/10	0451	9.99

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

ARI Job No.: RG94 Project: POS-LLA

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	10.63
02		PCPA	08/09/10	1243	10.65
03		PCPB	08/09/10	1303	10.64
04		PCPC	08/09/10	1323	10.64
05		PCPE	08/09/10	1343	10.63
06		PCPF	08/09/10	1403	10.63
07	ZZZZZ	ZZZZZ	08/09/10	1423	10.64
08		PCPCCAL	08/20/10	2251	10.63
09	RG94MBS1	RG94MBS1	08/20/10	2311	10.63
10	RG94LCSS1	RG94LCSS1	08/20/10	2331	10.63
11	MW14-22.5-24	RG94B	08/21/10	0011	10.63
12	MW13-10-11.5	RG94C	08/21/10	0031	10.64
13	MW13-14-14.5	RG94D	08/21/10	0051	10.63
14	MW12-5.5-7.5	RG94G	08/21/10	0151	10.63
15	MW12-8-9.5-0	RG94H	08/21/10	0211	10.64
16	ZZZZZ	ZZZZZ	08/21/10	0231	10.63
17		PCPCCAL	08/21/10	0251	10.63
18	MW12-8-9.5-0	RG94HMS	08/21/10	0311	10.64
19	MW12-8-9.5-0	RG94HMSD	08/21/10	0331	10.64
20	MW12-10-11.5	RG94I	08/21/10	0351	10.64
21	MW12-17.5-19	RG94J	08/21/10	0411	10.64
22	ZZZZZ	ZZZZZ	08/21/10	0431	10.63
23		PCPCCAL	08/21/10	0451	10.63

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW14-15-16.5-080210
SAMPLE

Lab Sample ID: RG94A
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 09/01/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/27/10
Date Analyzed: 09/01/10 12:54
Instrument/Analyst: ECD1/YZ

Sample Amount: 8.47 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 15.9%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.4	< 7.4 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	64.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041

Sample ID: MW13-18.5-19.5-080210
SAMPLE

Lab Sample ID: RG94E
LIMS ID: 10-18598
Matrix: Soil
Data Release Authorized:
Reported: 09/01/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/27/10
Date Analyzed: 09/01/10 14:34
Instrument/Analyst: ECD1/YZ

Sample Amount: 8.69 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 13.2%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.2	< 7.2 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	85.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210-D
SAMPLE

Lab Sample ID: RG94F
LIMS ID: 10-18599
Matrix: Soil
Data Release Authorized:
Reported: 09/01/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/27/10
Date Analyzed: 09/01/10 14:54
Instrument/Analyst: ECD1/YZ

Sample Amount: 8.58 g-dry-wt
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: 14.2%

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	7.3	< 7.3 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery	
2,4,6-Tribromophenol	99.6%

ANALYTICAL RESOURCES INCORPORATED

SW8041 CHLOROPHENOLICS SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	TBP	TOT OUT
MB-082710	69.6%	0
LCS-082710	66.8%	0
MW14-15-16.5-080210	64.0%	0
MW14-22.5-24-080210	39.0%	0
MW13-10-11.5-080210	61.6%	0
MW13-14-14.5-080210	54.4%	0
MW13-18.5-19.5-080210	85.6%	0
MW13-18.5-19.5-080210-D	99.6%	0
MW12-5.5-7.5-080210	68.0%	0
MB-081410	75.6%	0
LCS-081410	63.6%	0
MW12-8-9.5-080210	61.6%	0
MW12-8-9.5-080210 MS	60.0%	0
MW12-8-9.5-080210 MSD	62.4%	0
MW12-10-11.5-080210	58.0%	0
MW12-17.5-19-080210	18.2%	0

	LCS/MB LIMITS	QC LIMITS
(TBP) = 2,4,6-Tribromophenol	(50-115)	(10-146)

Prep Method: SW3550B
Log Number Range: 10-18594 to 10-18603

FORM-II SW8041

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: LCS-082710
LAB CONTROL

Lab Sample ID: LCS-082710
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 09/01/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted: 08/27/10
Date Analyzed: 09/01/10 12:14
Instrument/Analyst: ECD1/YZ

Sample Amount: 10.0 g
Final Extract Volume: 25 mL
Dilution Factor: 1.00

Analyte	Lab Control	Spike Added	Recovery
Pentachlorophenol	47.3	62.5	75.7%

Chlorophenols Surrogate Recovery

2,4,6-Tribromophenol	66.8%

Results reported in µg/kg

4

CHLOROPHENOL METHOD BLANK SUMMARY

SAMPLE NO.

RG78MBS2

Lab Name: ANALYTICAL RESOURCES, INC — Client: FLOYD-SNIDER

ARI Job No.: RG78 — Project: LORA LAKE RI

Lab Sample ID: RG78MBS2 — Lab File ID: 0901A006

Matrix (soil/water) SOLID — Extraction:(SepF/Cont/Sonc) SW3550C

Sulfur Cleanup (Y/N) Y — Date Extracted: 08/27/10

Date Analyzed (1): 09/01/10 — Date Analyzed (2): 09/01/10

Time Analyzed (1): 1154 — Time Analyzed (2): 1154

Instrument ID (1): ECD1 — Instrument ID (2): ECD1

GC Column (1): ZB5 ID: 0.53(mm) — GC Column (2): ZB35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	RG78LCSS2	RG78LCSS2	09/01/10	09/01/10
02	MW14-15-16.5	RG94A	09/01/10	09/01/10
03	PSB9-8.5-9.5	RG78S	09/01/10	09/01/10
04	MW13-18.5-19	RG94E	09/01/10	09/01/10
05	MW13-18.5-19	RG94E	09/01/10	09/01/10

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCP by GC/ECD Method SW8041
Page 1 of 1

Sample ID: MB-082710
METHOD BLANK

Lab Sample ID: MB-082710
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 09/01/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Date Extracted: 08/27/10
Date Analyzed: 09/01/10 11:54
Instrument/Analyst: ECD1/YZ

Sample Amount: 10.0 g
Final Extract Volume: 25 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
87-86-5	Pentachlorophenol	6.2	< 6.2 U

Reported in µg/kg (ppb)

Chlorophenol Surrogate Recovery

2,4,6-Tribromophenol	69.6%

FORM I

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.22	11.22	11.22	11.21	11.21	11.21	11.15	11.29
2,4,6-Trichloropheno	7.26	7.26	7.26	7.26	7.26	7.26	7.19	7.33
2,3,6-Trichloropheno	7.62	7.62	7.62	7.61	7.61	7.62	7.55	7.69
2,4,5-Trichloropheno	8.25	8.24	8.23	8.22	8.21	8.23	8.17	8.31
2,3,4-Trichloropheno	8.81	8.79	8.78	8.77	8.76	8.78	8.72	8.86
2,3,5,6-Tetrachlorop	9.01	9.01	9.00	9.00	8.99	9.00	8.94	9.08
2,3,4,5-Tetrachlorop	10.42	10.41	10.41	10.40	10.39	10.40	10.34	10.48
2,4-Dichlorophenol	6.90	6.89	6.89	6.89	6.88	6.89	6.82	6.96
2,4,6-Tribromophenol	10.01	10.00	10.00	9.99	9.98	10.00	9.93	10.07

6D
CHLOROPHENOL INITIAL CALIBRATION
RETENTION TIME WINDOWS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

	RT OF STANDARDS					MEAN	RT WINDOW	
COMPOUND	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	RT	FROM	TO
Pentachlorophenol	11.66	11.65	11.65	11.65	11.65	11.65	11.59	11.73
2,4,6-Trichloropheno	7.33	7.33	7.33	7.33	7.33	7.33	7.26	7.40
2,3,6-Trichloropheno	7.86	7.86	7.86	7.86	7.85	7.86	7.79	7.93
2,4,5-Trichloropheno	8.62	8.61	8.60	8.59	8.59	8.60	8.54	8.69
2,3,4-Trichloropheno	9.38	9.37	9.36	9.36	9.35	9.36	9.31	9.45
2,3,5,6-Tetrachlorop	9.28	9.27	9.27	9.26	9.26	9.27	9.21	9.35
2,3,4,5-Tetrachlorop	11.13	11.12	11.11	11.11	11.10	11.11	11.06	11.20
2,4-Dichlorophenol	7.17	7.16	7.16	7.16	7.15	7.16	7.10	7.24
2,4,6-Tribromophenol	10.65	10.64	10.64	10.63	10.63	10.64	10.58	10.72

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol	24528	19824	17830	15337	13686	11965	0.9996	Q
2,4,6-Trichlorophenol	13540	10473	9560	8413	7539	6660	0.9997	Q
2,3,6-Trichlorophenol	12902	10500	9607	8801	8025	7161	0.9998	Q
2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	19.7	A
2,3,4-Trichlorophenol	8393	7068	7135	7922	5474	5053	19.4	A
2,3,5,6-Tetrachloroph	17905	15060	14996	14233	11882	10558	18.4	A
2,3,4,5-Tetrachloroph	16324	13459	12294	10216	8895	7628	0.9995	Q
2,4-Dichlorophenol	721	627	611	486	409	342	0.9993	Q
2,4,6-Tribromophenol	18561	14998	13969	12135	11200	9940	0.9997	Q
						AVE RSD	23.3	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d

6E
CHLOROPHENOL INITIAL CALIBRATION
CALIBRATION FACTORS

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Calibration Date: 08/09/10

COMPOUND	CALIBRATION FACTORS LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	R^2/ %RSD	CT
Pentachlorophenol____	28790	24995	23903	21206	20507	18368	16.2	A
2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10070	14.0	A
2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	14.6	A
2,4,5-Trichlorophenol	9451	7724	7152	6203	5568	4896	0.9997	Q
2,3,4-Trichlorophenol	13138	11714	9430	8408	7532	6669	0.9995	Q
2,3,5,6-Tetrachloroph	22710	20100	18581	17733	16666	15298	14.2	A
2,3,4,5-Tetrachloroph	18414	16106	15136	13550	12798	11541	17.0	A
2,4-Dichlorophenol___	859	720	733	619	536	458	0.9997	Q
2,4,6-Tribromophenol	22648	19438	18816	17793	17226	16083	12.2	A
						AVE RSD	17.9	

CT stands for Curve Types:
- A Indicates an Average Response Factor Curve
- L Indicates a Linear Curve
- Q Indicates a Quadratic Curve

CALIBRATION FILES

LVL 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
LVL 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
LVL 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
LVL 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
LVL 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
LVL 6: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1135

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.22	11.15	11.29	21.9	25.0	-12.4
2,4,6-Trichlorophenol	7.27	7.19	7.33	22.7	25.0	-9.2
2,3,6-Trichlorophenol	7.62	7.55	7.69	21.5	25.0	-14.0
2,4,5-Trichlorophenol	8.22	8.17	8.31	23.4	25.0	-6.4
2,3,4-Trichlorophenol	8.77	8.72	8.86	19.8	25.0	-20.8
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	21.4	25.0	-14.4
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	21.5	25.0	-14.0
2,4-Dichlorophenol	6.89	6.82	6.96	188	250	-24.8
2,4,6-Tribromophenol (surr	10.00	9.93	10.07	21.9	25.0	-12.4

AVERAGE %D = 14.3

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1135

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.66	11.59	11.73	21.5	25.0	-14.0
2,4,6-Trichlorophenol	7.34	7.26	7.40	21.6	25.0	-13.6
2,3,6-Trichlorophenol	7.86	7.79	7.93	21.0	25.0	-16.0
2,4,5-Trichlorophenol	8.60	8.54	8.69	22.1	25.0	-11.6
2,3,4-Trichlorophenol	9.36	9.31	9.45	22.5	25.0	-10.0
2,3,5,6-Tetrachlorophenol	9.27	9.21	9.35	22.2	25.0	-11.2
2,3,4,5-Tetrachlorophenol	11.12	11.06	11.20	20.9	25.0	-16.4
2,4-Dichlorophenol	7.16	7.10	7.24	202	250	-19.2
2,4,6-Tribromophenol (surr	10.64	10.58	10.72	21.6	25.0	-13.6

AVERAGE %D = 14.0

FORM VII PCP

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1354

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.22	11.15	11.29	23.0	25.0	-8.0
2,4,6-Trichlorophenol	7.27	7.19	7.33	23.3	25.0	-6.8
2,3,6-Trichlorophenol	7.62	7.55	7.69	22.4	25.0	-10.4
2,4,5-Trichlorophenol	8.22	8.17	8.31	22.5	25.0	-10.0
2,3,4-Trichlorophenol	8.77	8.72	8.86	20.9	25.0	-16.4
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	22.9	25.0	-8.4
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	22.7	25.0	-9.2
2,4-Dichlorophenol	6.89	6.82	6.96	200	250	-20.0
2,4,6-Tribromophenol (surr	10.00	9.93	10.07	23.0	25.0	-8.0

AVERAGE %D = 10.8

FORM VII PCP

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1514

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.22	11.15	11.29	23.4	25.0	-6.4
2,4,6-Trichlorophenol	7.27	7.19	7.33	23.4	25.0	-6.4
2,3,6-Trichlorophenol	7.62	7.55	7.69	22.5	25.0	-10.0
2,4,5-Trichlorophenol	8.22	8.17	8.31	22.6	25.0	-9.6
2,3,4-Trichlorophenol	8.77	8.72	8.86	21.0	25.0	-16.0
2,3,5,6-Tetrachlorophenol	9.00	8.94	9.08	22.7	25.0	-9.2
2,3,4,5-Tetrachlorophenol	10.40	10.34	10.48	22.9	25.0	-8.4
2,4-Dichlorophenol	6.89	6.82	6.96	199	250	-20.4
2,4,6-Tribromophenol (surr	9.99	9.93	10.07	23.3	25.0	-6.8

AVERAGE %D = 10.4

FORM VII PCP

7E

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1354

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	22.8	25.0	-8.8
2,4,6-Trichlorophenol	7.33	7.26	7.40	22.8	25.0	-8.8
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.0	25.0	-12.0
2,4,5-Trichlorophenol	8.60	8.54	8.69	24.0	25.0	-4.0
2,3,4-Trichlorophenol	9.36	9.31	9.45	22.9	25.0	-8.4
2,3,5,6-Tetrachlorophenol	9.27	9.21	9.35	23.1	25.0	-7.6
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	22.2	25.0	-11.2
2,4-Dichlorophenol	7.16	7.10	7.24	216	250	-13.6
2,4,6-Tribromophenol (surr	10.64	10.58	10.72	22.8	25.0	-8.8

AVERAGE %D = 9.2

FORM VII PCP

CHLOROPHENOL CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm)

Init. Calib. Date(s): 08/09/10 08/09/10

Client Sample No.(PCP): Date Analyzed :09/01/10

Lab Sample ID (PCP): PCP CCAL Time Analyzed :1514

PCP MIX COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT	NOM AMOUNT	%D
Pentachlorophenol	11.65	11.59	11.73	22.9	25.0	-8.4
2,4,6-Trichlorophenol	7.33	7.26	7.40	23.0	25.0	-8.0
2,3,6-Trichlorophenol	7.86	7.79	7.93	22.2	25.0	-11.2
2,4,5-Trichlorophenol	8.59	8.54	8.69	24.1	25.0	-3.6
2,3,4-Trichlorophenol	9.36	9.31	9.45	23.1	25.0	-7.6
2,3,5,6-Tetrachlorophenol	9.26	9.21	9.35	23.4	25.0	-6.4
2,3,4,5-Tetrachlorophenol	11.11	11.06	11.20	22.4	25.0	-10.4
2,4-Dichlorophenol	7.16	7.10	7.24	218	250	-12.8
2,4,6-Tribromophenol (surr	10.63	10.58	10.72	23.0	25.0	-8.0

AVERAGE %D = 8.5

FORM VII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.00

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	9.99
02		PCPA	08/09/10	1243	10.01
03		PCPB	08/09/10	1303	10.00
04		PCPC	08/09/10	1323	10.00
05		PCPE	08/09/10	1343	9.98
06		PCPF	08/09/10	1403	9.98
07		PCP CCAL	09/01/10	1135	10.00
08	RG78MBS2	RG78MBS2	09/01/10	1154	10.00
09	RG78LCSS2	RG78LCSS2	09/01/10	1214	10.00
10	MW14-15-16.5	RG94A	09/01/10	1254	10.00
11		PCP CCAL	09/01/10	1354	10.00
12	PSB9-8.5-9.5	RG78S	09/01/10	1414	10.00
13	MW13-18.5-19	RG94E	09/01/10	1434	10.00
14	MW13-18.5-19	RG94F	09/01/10	1454	10.00
15		PCP CCAL	09/01/10	1514	9.99

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	10.63
02		PCPA	08/09/10	1243	10.65
03		PCPB	08/09/10	1303	10.64
04		PCPC	08/09/10	1323	10.64
05		PCPE	08/09/10	1343	10.63
06		PCPF	08/09/10	1403	10.63
07		PCP CCAL	09/01/10	1135	10.64
08	RG78MBS2	RG78MBS2	09/01/10	1154	10.64
09	RG78LCSS2	RG78LCSS2	09/01/10	1214	10.64
10	MW14-15-16.5	RG94A	09/01/10	1254	10.64
11		PCP CCAL	09/01/10	1354	10.64
12	PSB9-8.5-9.5	RG78S	09/01/10	1414	10.64
13	MW13-18.5-19	RG94E	09/01/10	1434	10.64
14	MW13-18.5-19	RG94F	09/01/10	1454	10.64
15		PCP CCAL	09/01/10	1514	10.63

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB5 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.00

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	9.99
02		PCPA	08/09/10	1243	10.01
03		PCPB	08/09/10	1303	10.00
04		PCPC	08/09/10	1323	10.00
05		PCPE	08/09/10	1343	9.98
06		PCPF	08/09/10	1403	9.98
07		PCP CCAL	09/01/10	1135	10.00
08	RG78MBS2	RG78MBS2	09/01/10	1154	10.00
09	RG78LCSS2	RG78LCSS2	09/01/10	1214	10.00
10	MW14-15-16.5	RG94A	09/01/10	1254	10.00
11		PCP CCAL	09/01/10	1354	10.00
12	PSB9-8.5-9.5	RG78S	09/01/10	1414	10.00
13	MW13-18.5-19	RG94E	09/01/10	1434	10.00
14	MW13-18.5-19	RG94F	09/01/10	1454	10.00
15		PCP CCAL	09/01/10	1514	9.99

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

CHLOROPHENOL ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD-SNIDER

ARI Job No.: RG78 Project: LORA LAKE RI

GC Column: ZB35 ID: 0.53 (mm) Instrument ID: ECD1

Init. Calib. Date(s): 08/09/10 08/09/10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.65

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01		PCPD	08/09/10	1223	10.63
02		PCPA	08/09/10	1243	10.65
03		PCPB	08/09/10	1303	10.64
04		PCPC	08/09/10	1323	10.64
05		PCPE	08/09/10	1343	10.63
06		PCPF	08/09/10	1403	10.63
07		PCP CCAL	09/01/10	1135	10.64
08	RG78MBS2	RG78MBS2	09/01/10	1154	10.64
09	RG78LCSS2	RG78LCSS2	09/01/10	1214	10.64
10	MW14-15-16.5	RG94A	09/01/10	1254	10.64
11		PCP CCAL	09/01/10	1354	10.64
12	PSB9-8.5-9.5	RG78S	09/01/10	1414	10.64
13	MW13-18.5-19	RG94E	09/01/10	1434	10.64
14	MW13-18.5-19	RG94F	09/01/10	1454	10.64
15		PCP CCAL	09/01/10	1514	10.63

QC LIMITS

S1 = 2,4,6-Tribromophenol (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII PCP

TPHD Analysis
Report and Summary QC Forms

ARI Job ID: RG94

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 2
Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Data Release Authorized:
Reported: 08/11/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
RG94A	MW14-15-16.5-080210	08/05/10	08/09/10	1.00	Diesel	5.9	< 5.9 U
10-18594	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		109%
RG94B	MW14-22.5-24-080210	08/05/10	08/09/10	1.00	Diesel	5.8	< 5.8 U
10-18595	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		117%
RG94C	MW13-10-11.5-080210	08/05/10	08/09/10	1.00	Diesel	5.7	< 5.7 U
10-18596	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		113%
RG94D	MW13-14-14.5-080210	08/05/10	08/09/10	1.00	Diesel	5.5	< 5.5 U
10-18597	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		115%
RG94E	MW13-18.5-19.5-08021008/05/10		08/09/10	1.00	Diesel	5.6	< 5.6 U
10-18598	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		116%
RG94F	MW13-18.5-19.5-08021008/05/10		08/09/10	1.00	Diesel	5.6	< 5.6 U
10-18599	HC ID: ---		FID3B	1.0	Motor Oil	11	< 11 U
					o-Terphenyl		116%
RG94G	MW12-5.5-7.5-080210	08/05/10	08/09/10	1.00	Diesel	5.2	< 5.2 U
10-18600	HC ID: ---		FID3B	1.0	Motor Oil	10	< 10 U
					o-Terphenyl		107%
MB-080510	Method Blank	08/05/10	08/09/10	1.00	Diesel	5.0	< 5.0 U
10-18601	HC ID: ---		FID3B	1.0	Motor Oil	10	< 10 U
					o-Terphenyl		106%
RG94H	MW12-8-9.5-080210	08/05/10	08/09/10	1.00	Diesel	5.8	< 5.8 U
10-18601	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		110%
RG94I	MW12-10-11.5-080210	08/05/10	08/10/10	1.00	Diesel	6.5	< 6.5 U
10-18602	HC ID: ---		FID3B	1.0	Motor Oil	13	< 13 U
					o-Terphenyl		99.6%
RG94J	MW12-17.5-19-080210	08/05/10	08/10/10	1.00	Diesel	6.0	< 6.0 U
10-18603	HC ID: ---		FID3B	1.0	Motor Oil	12	< 12 U
					o-Terphenyl		113%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 2 of 2
Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Data Release Authorized:
Reported: 08/11/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	OTER	TOT OUT
MW14-15-16.5-08021	109%	0
MW14-22.5-24-08021	117%	0
MW13-10-11.5-08021	113%	0
MW13-14-14.5-08021	115%	0
MW13-18.5-19.5-080	116%	0
MW13-18.5-19.5-080	116%	0
MW12-5.5-7.5-08021	107%	0
MB-080510	106%	0
LCS-080510	111%	0
LCSD-080510	105%	0
MW12-8-9.5-080210	110%	0
MW12-8-9.5-080210 MS	104%	0
MW12-8-9.5-080210 MSD	107%	0
MW12-10-11.5-08021	99.6%	0
MW12-17.5-19-08021	113%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(63-115)	(49-120)

Prep Method: SW3546
Log Number Range: 10-18594 to 10-18603

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Data Release Authorized:
Reported: 08/11/10

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-080510	Method Blank	08/05/10	08/10/10	1.00	Diesel	0.10	< 0.10 U
10-18604	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		95.7%
RG94K	MW12-ER-080210	08/05/10	08/10/10	1.00	Diesel	0.10	< 0.10 U
10-18604	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					o-Terphenyl		104%

Reported in mg/L (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA

Client ID	OTER	TOT OUT
MB-080510	95.7%	0
LCS-080510	84.5%	0
LCSD-080510	88.7%	0
MW12-ER-080210	104%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(51-120)	(41-121)

Prep Method: SW3510C
Log Number Range: 10-18604 to 10-18604

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: MW12-8-9.5-080210**
Page 1 of 1 **MS/MSD**

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted MS/MSD: 08/05/10

Date Analyzed MS: 08/09/10 23:45
MSD: 08/10/10 00:04
Instrument/Analyst MS: FID/MS
MSD: FID/MS

Sample Amount MS: 8.41 g-dry-wt
MSD: 8.46 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.0
MSD: 1.0
Percent Moisture: 18.0%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	< 5.8	136	178	76.4%	146	177	82.5%	7.1%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	104%	107%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-080510**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-080510
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/09/10 19:20
LCSD: 08/09/10 19:39
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 10.0 g
LCSD: 10.0 g
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.0
LCSD: 1.0

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	119	150	79.3%	119	150	79.3%	0.0%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	111%	105%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-080510**
Page 1 of 1 **LCS/LCSD**

Lab Sample ID: LCS-080510
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Extracted LCS/LCSD: 08/05/10

Date Analyzed LCS: 08/10/10 01:59
LCSD: 08/10/10 02:18
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	1.89	3.00	63.0%	2.10	3.00	70.0%	10.5%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	84.5%	88.7%

Results reported in mg/L
RPD calculated using sample concentrations per SW846.

FORM III

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG94
Matrix: Soil Project: POS-LLA (Lora Lake Apartments)
Date Received: 08/02/10 POS-LLA

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
10-18594-RG94A	MW14-15-16.5-080210	8.49 g	1.00 mL	D	08/05/10
10-18595-RG94B	MW14-22.5-24-080210	8.61 g	1.00 mL	D	08/05/10
10-18596-RG94C	MW13-10-11.5-080210	8.79 g	1.00 mL	D	08/05/10
10-18597-RG94D	MW13-14-14.5-080210	9.04 g	1.00 mL	D	08/05/10
10-18598-RG94E	MW13-18.5-19.5-0802	8.94 g	1.00 mL	D	08/05/10
10-18599-RG94F	MW13-18.5-19.5-0802	8.86 g	1.00 mL	D	08/05/10
10-18600-RG94G	MW12-5.5-7.5-080210	9.67 g	1.00 mL	D	08/05/10
10-18601-080510MB1	Method Blank	10.0 g	1.00 mL	-	08/05/10
10-18601-080510LCS1	Lab Control	10.0 g	1.00 mL	-	08/05/10
10-18601-080510LCSD1	Lab Control Dup	10.0 g	1.00 mL	-	08/05/10
10-18601-RG94H	MW12-8-9.5-080210	8.59 g	1.00 mL	D	08/05/10
10-18601-RG94HMS	MW12-8-9.5-080210	8.41 g	1.00 mL	D	08/05/10
10-18601-RG94HMSD	MW12-8-9.5-080210	8.46 g	1.00 mL	D	08/05/10
10-18602-RG94I	MW12-10-11.5-080210	7.72 g	1.00 mL	D	08/05/10
10-18603-RG94J	MW12-17.5-19-080210	8.29 g	1.00 mL	D	08/05/10

Basis: D=Dry Weight W=As Received

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: RG94
Matrix: Water
Project: POS-LLA (Lora Lake Apartments)
Date Received: 08/02/10
POS-LLA

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
10-18604-080510MB1	Method Blank	500 mL	1.00 mL	08/05/10
10-18604-080510LCS1	Lab Control	500 mL	1.00 mL	08/05/10
10-18604-080510LCSD1	Lab Control Dup	500 mL	1.00 mL	08/05/10
10-18604-RG94K	MW12-ER-080210	500 mL	1.00 mL	08/05/10

TPH METHOD BLANK SUMMARY

BLANK NO.

RH20MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE APTS.

Date Extracted: 08/05/10 Matrix: SOLID

Date Analyzed : 08/09/10 Instrument ID : FID3B

Time Analyzed : 1958

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	RH20LCSS1	RH20LCSS1	08/09/10
02	RH20LCSDS1	RH20LCSDS1	08/09/10
03	MW14-15-16.5	RG94A	08/09/10
04	MW14-22.5-24	RG94B	08/09/10
05	MW13-10-11.5	RG94C	08/09/10
06	MW13-14-14.5	RG94D	08/09/10
07	MW13-18.5-19	RG94E	08/09/10
08	MW13-18.5-19	RG94F	08/09/10
09	MW12-5.5-7.5	RG94G	08/09/10
10	MW12-8-9.5-0	RG94H	08/09/10
11	MW12-8-9.5-0	RG94HMS	08/09/10
12	MW12-8-9.5-0	RG94HMSD	08/10/10
13	MW12-10-11.5	RG94I	08/10/10
14	MW12-17.5-19	RG94J	08/10/10
15	RG94LCSW1	RG94LCSW1	08/10/10
16	RG94LCSDW1	RG94LCSDW1	08/10/10

FORM IV TPH

4

TPH METHOD BLANK SUMMARY

BLANK NO.

RG94MBW1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE APTS.

Date Extracted: 08/05/10 Matrix: LIQUID

Date Analyzed : 08/10/10 Instrument ID : FID3B

Time Analyzed : 0140

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	RG94LCSW1	RG94LCSW1	08/10/10
02	RG94LCSDW1	RG94LCSDW1	08/10/10
03	MW12-ER-0802	RG94K	08/10/10

FORM IV TPH

6a

NW DIESEL INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

Instrument: FID3B.I Project: LORA LAKE APTS.

Calibration Date: 30-JUL-2010 SDG No.: RG94

Diesel Range	RF1 50	RF2 100	RF3 250	RF4 500	RF5 1000	RF6 2500	Ave RF	%RSD
WA Diesel	22218	21170	21958	21565	21008	20465	21398	3.0
AK Diesel	25279	23959	24625	24161	23624	22975	24104	3.3
OR Diesel	25497	24108	24785	24317	23782	23134	24271	3.4
o-Terph	19592	19395	20002	19771	20130	20713	19934	2.3

<- Indicates %RSD outside limits
Surrogate areas are not included in Diesel RF calculation.

Quant Ranges : WA Diesel C12-C24 (3.468-5.603)
AK Diesel C10-C25 (2.858-5.764)
OR Diesel C10-C28 (2.858-6.244)

Calibration Files	Analysis Time
0730b018.d	30-JUL-2010 20:23
0730b019.d	30-JUL-2010 20:42
0730b020.d	30-JUL-2010 21:01
0730b021.d	30-JUL-2010 21:20
0730b022.d	30-JUL-2010 21:39
0730b023.d	30-JUL-2010 21:58

NW MOTOR OIL RANGE INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

Instrument: FID3B.I Project: LORA LAKE APTS.

Calibration Date: 31-JUL-2010 SDG No.: RG94

Product Range	RF1 100	RF2 250	RF3 500	RF4 1000	RF5 2500	RF6 5000	Ave RF	%RSD
WA M.Oil C24-C38	12620	11767	11795	11887	11681	12739	12081	3.9
Triac Surr	14850	15844	16922	17487	16823	18431	16726	7.5

<- Indicates %RSD outside limits
Surrogate areas are not included in Motor Oil RF calculation.

Calibration Files	Analysis Time
0730b025.d	30-JUL-2010 22:36
0730b026.d	30-JUL-2010 22:55
0730b027.d	30-JUL-2010 23:14
0730b028.d	30-JUL-2010 23:32
0730b030.d	31-JUL-2010 00:10
0730b032.d	31-JUL-2010 00:47

7a
DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 09-AUG-2010 SDG No.: RG94

Analysis Time: 17:25 Lab ID: DIESEL#1

Instrument: FID3B.I Lab File Name: 0809b004.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	5394353	252.1	250	0.8
AK102 (C10-C25)	6038589	250.5	250	0.2
Terphenyl	878351	44.1	45	-2.1

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 09-AUG-2010 SDG No.: RG94

Analysis Time: 17:44 Lab ID: MOIL#1

Instrument: FID3B.I Lab File Name: 0809b005.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	5684569	470.5	500	-5.9
AK103 (C25-C36)	4972044	556.6	500	11.3
n-Triacontane	772096	46.2	45	2.6

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

7a
DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 09-AUG-2010 SDG No.: RG94

Analysis Time: 20:35 Lab ID: DIESEL#2

Instrument: FID3B.I Lab File Name: 0809b012.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	5295723	247.5	250	-1.0
AK102 (C10-C25)	5934607	246.2	250	-1.5
Terphenyl	878511	44.1	45	-2.1

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 30-JUL-2010
CCal Date: 09-AUG-2010
Analysis Time: 20:54
Instrument: FID3B.I

Client: FLOYD/SNIDER
Project: LORA LAKE APTS.
SDG No.: RG94
Lab ID: MOIL#2
Lab File Name: 0809b013.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	5673055	469.6	500	-6.1
AK103 (C25-C36)	4980572	557.6	500	11.5
n-Triacontane	773274	46.2	45	2.7

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

FORM VII-Diesel

7a

DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 10-AUG-2010 SDG No.: RG94

Analysis Time: 01:01 Lab ID: DIESEL#3

Instrument: FID3B.I Lab File Name: 0809b026.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	5384570	251.6	250	0.7
AK102 (C10-C25)	6030735	250.2	250	0.1
Terphenyl	895137	44.9	45	-0.2

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 10-AUG-2010 SDG No.: RG94

Analysis Time: 01:21 Lab ID: MOIL#3

Instrument: FID3B.I Lab File Name: 0809b027.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	5613875	464.7	500	-7.1
AK103 (C25-C36)	4932905	552.2	500	10.4
n-Triacontane	776638	46.4	45	3.2

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

7a

DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 10-AUG-2010 SDG No.: RG94

Analysis Time: 02:56 Lab ID: DIESEL#4

Instrument: FID3B.I Lab File Name: 0809b032.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	5325095	248.9	250	-0.5
AK102 (C10-C25)	5994532	248.7	250	-0.5
Terphenyl	893685	44.8	45	-0.4

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 30-JUL-2010 Project: LORA LAKE APTS.

CCal Date: 10-AUG-2010 SDG No.: RG94

Analysis Time: 03:15 Lab ID: MOIL#4

Instrument: FID3B.I Lab File Name: 0809b033.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	5748429	475.8	500	-4.8
AK103 (C25-C36)	5077103	568.4	500	13.7
n-Triacontane	778462	46.5	45	3.4

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE APTS.

Instrument ID: FID3B GC Column: RTX-1

Run Date: 08/09/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.76 TRIAC: 6.56

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	ZZZZZ	ZZZZZ	08/09/10	1629	4.76	6.56
02	RT	RT	08/09/10	1647	4.76	6.56
03	IB	IB	08/09/10	1706	4.76	6.56
04	DIESEL#1	DIESEL#1	08/09/10	1725	4.76	6.56
05	MOIL#1	MOIL#1	08/09/10	1744	4.76	6.56
06	ZZZZZ	ZZZZZ	08/09/10	1843	4.76	6.55
07	ZZZZZ	ZZZZZ	08/09/10	1901	4.76	6.55
08	RH20LCSS1	RH20LCSS1	08/09/10	1920	4.76	6.56
09	RH20LCSDS1	RH20LCSDS1	08/09/10	1939	4.76	6.56
10	RH20MBS1	RH20MBS1	08/09/10	1958	4.76	6.56
11	ZZZZZ	ZZZZZ	08/09/10	2016	4.76	6.56
12	DIESEL#2	DIESEL#2	08/09/10	2035	4.76	6.56
13	MOIL#2	MOIL#2	08/09/10	2054	4.76	6.56
14	MW14-15-16.5	RG94A	08/09/10	2113	4.76	6.56
15	MW14-22.5-24	RG94B	08/09/10	2132	4.76	6.56
16	MW13-10-11.5	RG94C	08/09/10	2151	4.76	6.56
17	MW13-14-14.5	RG94D	08/09/10	2210	4.76	6.56
18	MW13-18.5-19	RG94E	08/09/10	2229	4.76	6.56
19	MW13-18.5-19	RG94F	08/09/10	2248	4.76	6.56
20	MW12-5.5-7.5	RG94G	08/09/10	2307	4.76	6.56
21	MW12-8-9.5-0	RG94H	08/09/10	2326	4.76	6.56
22	MW12-8-9.5-0	RG94HMS	08/09/10	2345	4.76	6.56
23	MW12-8-9.5-0	RG94HMSD	08/10/10	0004	4.76	6.56
24	MW12-10-11.5	RG94I	08/10/10	0023	4.76	6.56
25	MW12-17.5-19	RG94J	08/10/10	0042	4.76	6.56
26	DIESEL#3	DIESEL#3	08/10/10	0101	4.76	6.56
27	MOIL#3	MOIL#3	08/10/10	0121	4.76	6.56
28	RG94MBW1	RG94MBW1	08/10/10	0140	4.76	6.56
29	RG94LCSW1	RG94LCSW1	08/10/10	0159	4.76	6.56
30	RG94LCSDW1	RG94LCSDW1	08/10/10	0218	4.76	6.56
31	MW12-ER-0802	RG94K	08/10/10	0237	4.76	6.56
32	DIESEL#4	DIESEL#4	08/10/10	0256	4.76	6.56

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE APTS.

Instrument ID: FID3B GC Column: RTX-1

Run Date: 08/09/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.76 TRIAC: 6.56

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	MOIL#4	MOIL#4	08/10/10	0315	4.76	6.56

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE APTS.

Instrument ID: FID3B GC Column: RTX-1

Run Date: 07/31/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.76 TRIAC: 6.56

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01		RT	07/30/10	1944	4.76	6.56
02		IB	07/30/10	2004	4.76	6.56
03		DIESEL 50	07/30/10	2023	4.76	6.56
04		DIESEL 100	07/30/10	2042	4.76	6.56
05		DIESEL 250	07/30/10	2101	4.76	6.55
06		DIESEL 500	07/30/10	2120	4.77	6.56
07		DIESEL 1000	07/30/10	2139	4.77	6.56
08		DIESEL 2500	07/30/10	2158	4.79	6.56
09		DIESEL ICV	07/30/10	2217	4.76	6.56
10		MOIL 100	07/30/10	2236	4.77	6.56
11		MOIL 250	07/30/10	2255	4.76	6.56
12		MOIL 500	07/30/10	2314	4.76	6.56
13		MOIL 1000	07/30/10	2332	4.76	6.57
14		RINSE	07/30/10	2351	4.76	6.56
15		MOIL 2500	07/31/10	0010	4.76	6.58
16		RINSE	07/31/10	0028	4.76	6.56
17		MOIL 5000	07/31/10	0047	4.76	6.60
18		RINSE	07/31/10	0106	4.76	6.56
19		MOIL ICV	07/31/10	0125	4.76	6.56

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

TPHG/BETX Analysis
Report and Summary QC Forms

ARI Job ID: RG94

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW14-15-16.5-080210
SAMPLE

Lab Sample ID: RG94A
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 09:41
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 140 mg-dry-wt
Percent Moisture: 16.1%

CAS Number	Analyte	RL	Result	GAS ID
71-43-2	Benzene	9.1	< 9.1 U	
108-88-3	Toluene	9.1	< 9.1 U	
100-41-4	Ethylbenzene	9.1	< 9.1 U	
179601-23-1	m,p-Xylene	18	< 18 U	
95-47-6	o-Xylene	9.1	< 9.1 U	
	Gasoline Range Hydrocarbons	3.6	< 3.6 U	---

BETX Surrogate Recovery

Trifluorotoluene	89.1%
Bromobenzene	91.0%

Gasoline Surrogate Recovery

Trifluorotoluene	97.8%
Bromobenzene	99.2%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG

Sample ID: MW14-22.5-24-080210
SAMPLE

Lab Sample ID: RG94B
LIMS ID: 10-18595
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 10:06
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 120 mg-dry-wt
Percent Moisture: 18.7%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	11	< 11 U
108-88-3	Toluene	11	< 11 U
100-41-4	Ethylbenzene	11	< 11 U
179601-23-1	m,p-Xylene	22	< 22 U
95-47-6	o-Xylene	11	< 11 U

			GAS ID
Gasoline Range Hydrocarbons	4.4	< 4.4 U	---

BETX Surrogate Recovery

Trifluorotoluene	90.0%
Bromobenzene	92.0%

Gasoline Surrogate Recovery

Trifluorotoluene	98.4%
Bromobenzene	100%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG

Sample ID: MW13-10-11.5-080210
SAMPLE

Lab Sample ID: RG94C
LIMS ID: 10-18596
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 10:30
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 150 mg-dry-wt
Percent Moisture: 13.1%

CAS Number	Analyte	RL	Result	
71-43-2	Benzene	8.4	< 8.4 U	
108-88-3	Toluene	8.4	< 8.4 U	
100-41-4	Ethylbenzene	8.4	< 8.4 U	
179601-23-1	m,p-Xylene	17	< 17 U	
95-47-6	o-Xylene	8.4	< 8.4 U	
	Gasoline Range Hydrocarbons	3.4	< 3.4 U	GAS ID ---

BETX Surrogate Recovery

Trifluorotoluene	89.0%
Bromobenzene	92.4%

Gasoline Surrogate Recovery

Trifluorotoluene	98.0%
Bromobenzene	99.9%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW13-14-14.5-080210
SAMPLE

Lab Sample ID: RG94D
LIMS ID: 10-18597
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 10:54
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 150 mg-dry-wt
Percent Moisture: 14.3%

CAS Number	Analyte	RL	Result	
71-43-2	Benzene	8.4	< 8.4 U	
108-88-3	Toluene	8.4	< 8.4 U	
100-41-4	Ethylbenzene	8.4	< 8.4 U	
179601-23-1	m,p-Xylene	17	< 17 U	
95-47-6	o-Xylene	8.4	< 8.4 U	
	Gasoline Range Hydrocarbons	3.4	< 3.4 U	GAS ID ---

BETX Surrogate Recovery

Trifluorotoluene	87.8%
Bromobenzene	91.9%

Gasoline Surrogate Recovery

Trifluorotoluene	95.8%
Bromobenzene	97.8%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210
SAMPLE

Lab Sample ID: RG94E
LIMS ID: 10-18598
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 12:33
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 150 mg-dry-wt
Percent Moisture: 14.4%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	8.6	< 8.6 U
108-88-3	Toluene	8.6	< 8.6 U
100-41-4	Ethylbenzene	8.6	< 8.6 U
179601-23-1	m,p-Xylene	17	< 17 U
95-47-6	o-Xylene	8.6	< 8.6 U

			GAS ID
	Gasoline Range Hydrocarbons	3.4	< 3.4 U ---

BETX Surrogate Recovery

Trifluorotoluene	91.4%
Bromobenzene	94.0%

Gasoline Surrogate Recovery

Trifluorotoluene	98.1%
Bromobenzene	99.9%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210-D
SAMPLE

Lab Sample ID: RG94F
LIMS ID: 10-18599
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 12:57
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 150 mg-dry-wt
Percent Moisture: 15.1%

CAS Number	Analyte	RL	Result	
71-43-2	Benzene	8.5	< 8.5 U	
108-88-3	Toluene	8.5	< 8.5 U	
100-41-4	Ethylbenzene	8.5	< 8.5 U	
179601-23-1	m,p-Xylene	17	< 17 U	
95-47-6	o-Xylene	8.5	< 8.5 U	
	Gasoline Range Hydrocarbons	3.4	< 3.4 U	GAS ID ---

BETX Surrogate Recovery

Trifluorotoluene	90.2%
Bromobenzene	91.8%

Gasoline Surrogate Recovery

Trifluorotoluene	96.1%
Bromobenzene	97.6%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG

Sample ID: MW12-5.5-7.5-080210
SAMPLE

Lab Sample ID: RG94G
LIMS ID: 10-18600
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 13:22
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 120 mg-dry-wt
Percent Moisture: 11.9%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	10	< 10 U
108-88-3	Toluene	10	< 10 U
100-41-4	Ethylbenzene	10	< 10 U
179601-23-1	m,p-Xylene	20	< 20 U
95-47-6	o-Xylene	10	< 10 U

			GAS ID
	Gasoline Range Hydrocarbons	4.0	< 4.0 U ---

BETX Surrogate Recovery

Trifluorotoluene	88.9%
Bromobenzene	92.5%

Gasoline Surrogate Recovery

Trifluorotoluene	96.7%
Bromobenzene	97.8%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW12-8-9.5-080210
SAMPLE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 13:46
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 120 mg-dry-wt
Percent Moisture: 16.8%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	11	< 11 U
108-88-3	Toluene	11	< 11 U
100-41-4	Ethylbenzene	11	< 11 U
179601-23-1	m,p-Xylene	22	< 22 U
95-47-6	o-Xylene	11	< 11 U

			GAS ID
Gasoline Range Hydrocarbons	4.3	< 4.3 U	---

BETX Surrogate Recovery

Trifluorotoluene	89.6%
Bromobenzene	93.0%

Gasoline Surrogate Recovery

Trifluorotoluene	96.7%
Bromobenzene	98.2%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW12-10-11.5-080210
SAMPLE

Lab Sample ID: RG94I
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 15:00
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 120 mg-dry-wt
Percent Moisture: 18.6%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	11	< 11 U
108-88-3	Toluene	11	< 11 U
100-41-4	Ethylbenzene	11	< 11 U
179601-23-1	m,p-Xylene	21	< 21 U
95-47-6	o-Xylene	11	< 11 U

			GAS ID
Gasoline Range Hydrocarbons	4.3	< 4.3 U	---

BETX Surrogate Recovery

Trifluorotoluene	91.4%
Bromobenzene	94.7%

Gasoline Surrogate Recovery

Trifluorotoluene	96.0%
Bromobenzene	98.6%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW12-17.5-19-080210
SAMPLE

Lab Sample ID: RG94J
LIMS ID: 10-18603
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 15:25
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 110 mg-dry-wt
Percent Moisture: 20.6%

CAS Number	Analyte	RL	Result
71-43-2	Benzene	11	< 11 U
108-88-3	Toluene	11	< 11 U
100-41-4	Ethylbenzene	11	< 11 U
179601-23-1	m,p-Xylene	23	< 23 U
95-47-6	o-Xylene	11	< 11 U

			GAS ID
Gasoline Range Hydrocarbons	4.5	< 4.5 U	---

BETX Surrogate Recovery

Trifluorotoluene	91.2%
Bromobenzene	94.6%

Gasoline Surrogate Recovery

Trifluorotoluene	96.4%
Bromobenzene	97.9%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Results corrected for soil moisture content per Section 11.10.5 of EPA Method 8000C.

ANALYTICAL RESOURCES INCORPORATED

TPHG SOIL SURROGATE RECOVERY SUMMARY

ARI Job: RG94
Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA

Client ID	BFB	TFT	BBZ	TOT OUT
MB-081010	NA	94.3%	96.7%	0
LCS-081010	NA	97.9%	99.9%	0
LCSD-081010	NA	95.5%	98.1%	0
MW14-15-16.5-080210	NA	97.8%	99.2%	0
MW14-22.5-24-080210	NA	98.4%	100%	0
MW13-10-11.5-080210	NA	98.0%	99.9%	0
MW13-14-14.5-080210	NA	95.8%	97.8%	0
MW13-18.5-19.5-080210	NA	98.1%	99.9%	0
MW13-18.5-19.5-080210-D	NA	96.1%	97.6%	0
MW12-5.5-7.5-080210	NA	96.7%	97.8%	0
MW12-8-9.5-080210	NA	96.7%	98.2%	0
MW12-8-9.5-080210 MS	NA	96.1%	97.6%	0
MW12-8-9.5-080210 MSD	NA	99.7%	103%	0
MW12-10-11.5-080210	NA	96.0%	98.6%	0
MW12-17.5-19-080210	NA	96.4%	97.9%	0

	LCS/MB LIMITS	QC LIMITS
(BFB) = Bromofluorobenzene	(70-130)	(70-130)
(TFT) = Trifluorotoluene	(80-120)	(66-123)
(BBZ) = Bromobenzene	(80-120)	(62-130)

Log Number Range: 10-18594 to 10-18603

ANALYTICAL RESOURCES INCORPORATED

BETX SOIL SURROGATE RECOVERY SUMMARY

ARI Job: RG94
Matrix: Soil

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA

Client ID	TFT	BBZ	TOT OUT
MB-081010	86.4%	90.4%	0
LCS-081010	90.3%	92.7%	0
LCSD-081010	88.4%	92.1%	0
MW14-15-16.5-080210	89.1%	91.0%	0
MW14-22.5-24-080210	90.0%	92.0%	0
MW13-10-11.5-080210	89.0%	92.4%	0
MW13-14-14.5-080210	87.8%	91.9%	0
MW13-18.5-19.5-080210	91.4%	94.0%	0
MW13-18.5-19.5-080210-D	90.2%	91.8%	0
MW12-5.5-7.5-080210	88.9%	92.5%	0
MW12-8-9.5-080210	89.6%	93.0%	0
MW12-8-9.5-080210 MS	89.2%	92.5%	0
MW12-8-9.5-080210 MSD	95.3%	100%	0
MW12-10-11.5-080210	91.4%	94.7%	0
MW12-17.5-19-080210	91.2%	94.6%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(68-124)
(BBZ) = Bromobenzene	(77-120)	(62-134)

Log Number Range: 10-18594 to 10-18603

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG

Sample ID: MW12-ER-080210
SAMPLE

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 09:16
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
71-43-2	Benzene	1.0	< 1.0 U
108-88-3	Toluene	1.0	< 1.0 U
100-41-4	Ethylbenzene	1.0	< 1.0 U
179601-23-1	m,p-Xylene	1.0	< 1.0 U
95-47-6	o-Xylene	1.0	< 1.0 U

			GAS ID
Gasoline Range Hydrocarbons	0.25	< 0.25 U	---

BETX Surrogate Recovery

Trifluorotoluene	89.9%
Bromobenzene	90.6%

Gasoline Surrogate Recovery

Trifluorotoluene	98.3%
Bromobenzene	98.6%

BETX values reported in µg/L (ppb)
Gasoline values reported in mg/L (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW12-TB-080210
SAMPLE

Lab Sample ID: RG94L
LIMS ID: 10-18605
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed: 08/10/10 08:52
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
71-43-2	Benzene	1.0	< 1.0 U
108-88-3	Toluene	1.0	< 1.0 U
100-41-4	Ethylbenzene	1.0	< 1.0 U
179601-23-1	m,p-Xylene	1.0	< 1.0 U
95-47-6	o-Xylene	1.0	< 1.0 U

			GAS ID
Gasoline Range Hydrocarbons	0.25	< 0.25 U	---

BETX Surrogate Recovery

Trifluorotoluene	91.2%
Bromobenzene	90.9%

Gasoline Surrogate Recovery

Trifluorotoluene	99.4%
Bromobenzene	97.7%

BETX values reported in µg/L (ppb)
Gasoline values reported in mg/L (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

ANALYTICAL RESOURCES INCORPORATED

TPHG WATER SURROGATE RECOVERY SUMMARY

ARI Job: RG94
Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA

Client ID	TFT	BBZ	TOT OUT
MB-081010	94.3%	96.7%	0
LCS-081010	97.9%	99.9%	0
LCSD-081010	95.5%	98.1%	0
MW12-ER-080210	98.3%	98.6%	0
MW12-TB-080210	99.4%	97.7%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(80-120)	(80-120)
(BBZ) = Bromobenzene	(80-120)	(80-120)

Log Number Range: 10-18604 to 10-18605

ANALYTICAL RESOURCES INCORPORATED

BETX WATER SURROGATE RECOVERY SUMMARY

ARI Job: RG94
Matrix: Water

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA

Client ID	TFT	BBZ	TOT OUT
MB-081010	86.4%	90.4%	0
LCS-081010	90.3%	92.7%	0
LCSD-081010	88.4%	92.1%	0
MW12-ER-080210	89.9%	90.6%	0
MW12-TB-080210	91.2%	90.9%	0

	LCS/MB LIMITS	QC LIMITS
(TFT) = Trifluorotoluene	(79-120)	(80-120)
(BBZ) = Bromobenzene	(79-120)	(80-120)

Log Number Range: 10-18604 to 10-18605

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed MS: 08/10/10 14:11
MSD: 08/10/10 14:36
Instrument/Analyst MS: PID3/MH
MSD: PID3/MH

Purge Volume: 5.0 mL

Sample Amount MS: 116 mg-dry-wt
MSD: 116 mg-dry-wt

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Gasoline Range Hydrocarbons	< 4.30 U	39.8	43.1	92.3%	42.0	43.1	97.4%	5.4%

Reported in mg/kg (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	MS	MSD
Trifluorotoluene	96.1%	99.7%
Bromobenzene	97.6%	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Date Analyzed MS: 08/10/10 14:11
MSD: 08/10/10 14:36
Instrument/Analyst MS: PID3/MH
MSD: PID3/MH

Purge Volume: 5.0 mL

Sample Amount MS: 116 mg-dry-wt
MSD: 116 mg-dry-wt

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Benzene	< 10.8 U	92.9	90.5	103%	93.3	90.5	103%	0.4%
Toluene	< 10.8 U	1190	1240	96.0%	1260	1240	102%	5.7%
Ethylbenzene	< 10.8 U	365	397	91.9%	385	397	97.0%	5.3%
m,p-Xylene	< 21.5 U	1300	1460	89.0%	1370	1460	93.8%	5.2%
o-Xylene	< 10.8 U	673	603	112%	723	603	120%	7.2%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

BETX Surrogate Recovery

	MS	MSD
Trifluorotoluene	89.2%	95.3%
Bromobenzene	92.5%	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
Page 1 of 1

Sample ID: LCS-081010
LAB CONTROL SAMPLE

Lab Sample ID: LCS-081010
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/10/10 07:10
LCSD: 08/10/10 07:35
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Sample Amount LCS: 100 mg-dry-wt
LCSD: 100 mg-dry-wt

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Benzene	103	105	98.1%	106	105	101%	2.9%
Toluene	1340	1440	93.1%	1390	1440	96.5%	3.7%
Ethylbenzene	412	460	89.6%	422	460	91.7%	2.4%
m,p-Xylene	1480	1690	87.6%	1510	1690	89.3%	2.0%
o-Xylene	639	700	91.3%	661	700	94.4%	3.4%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

BETX Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	90.3%	88.4%
Bromobenzene	92.7%	92.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: LCS-081010
LAB CONTROL SAMPLE

Lab Sample ID: LCS-081010
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Date Analyzed LCS: 08/10/10 07:10
LCSD: 08/10/10 07:35
Instrument/Analyst LCS: PID3/MH
LCSD: PID3/MH

Purge Volume: 5.0 mL

Dilution Factor LCS: 1.0
LCSD: 1.0

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Gasoline Range Hydrocarbons	0.93	1.00	93.0%	0.93	1.00	93.0%	0.0%

Reported in mg/L (ppm)

RPD calculated using sample concentrations per SW846.

TPHG Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	97.9%	95.5%
Bromobenzene	99.9%	98.1%

BETX/GAS METHOD BLANK SUMMARY

BLANK NO.

MB0810S1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE

Date Analyzed : 08/10/10 Matrix: SOIL

Time Analyzed : 0759 Instrument ID : PID3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	LCS0810S1	LCS0810	08/10/10
02	LCSD0810S1	LCSD0810	08/10/10
03	MW14-15-16.5	RG94A	08/10/10
04	MW14-22.5-24	RG94B	08/10/10
05	MW13-10-11.5	RG94C	08/10/10
06	MW13-14-14.5	RG94D	08/10/10
07	MW13-18.5-19	RG94E	08/10/10
08	MW13-18.5-19	RG94F	08/10/10
09	MW12-5.5-7.5	RG94G	08/10/10
10	MW12-8-9.5-0	RG94H	08/10/10
11	MW12-8-9.5-0	RG94HMS	08/10/10
12	MW12-8-9.5-0	RG94HMSD	08/10/10
13	MW12-10-11.5	RG94I	08/10/10
14	MW12-17.5-19	RG94J	08/10/10
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod **Sample ID: MB-081010**
TPHG by Method NWTPHG **METHOD BLANK**

Lab Sample ID: MB-081010
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Date Analyzed: 08/10/10 07:59
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Sample Amount: 100 mg-dry-wt

CAS Number	Analyte	RL	Result
71-43-2	Benzene	12	< 12 U
108-88-3	Toluene	12	< 12 U
100-41-4	Ethylbenzene	12	< 12 U
179601-23-1	m,p-Xylene	25	< 25 U
95-47-6	o-Xylene	12	< 12 U

			GAS ID
Gasoline Range Hydrocarbons	5.0	< 5.0 U	---

BETX Surrogate Recovery

Trifluorotoluene	86.4%
Bromobenzene	90.4%

Gasoline Surrogate Recovery

Trifluorotoluene	94.3%
Bromobenzene	96.7%

BETX values reported in µg/kg (ppb)
Gasoline values reported in mg/kg (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

BETX/GAS METHOD BLANK SUMMARY

BLANK NO.

MB0810S1

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE

Date Analyzed : 08/10/10 Matrix: WATER

Time Analyzed : 0759 Instrument ID : PID3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	LCS0810S1	LCS0810	08/10/10
02	LCSD0810S1	LCSD0810	08/10/10
03	MW12-TB-0802	RG94L	08/10/10
04	MW12-ER-0802	RG94K	08/10/10
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
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21			
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25			
26			
27			
28			
29			
30			

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
TPHG by Method NWTPHG
Page 1 of 1

Sample ID: MB-081010
METHOD BLANK

Lab Sample ID: MB-081010
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Date Analyzed: 08/10/10 07:59
Instrument/Analyst: PID3/MH

Purge Volume: 5.0 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
71-43-2	Benzene	1.0	< 1.0 U
108-88-3	Toluene	1.0	< 1.0 U
100-41-4	Ethylbenzene	1.0	< 1.0 U
179601-23-1	m,p-Xylene	1.0	< 1.0 U
95-47-6	o-Xylene	1.0	< 1.0 U

			GAS ID
Gasoline Range Hydrocarbons	0.25	< 0.25 U	---

BETX Surrogate Recovery

Trifluorotoluene	86.4%
Bromobenzene	90.4%

Gasoline Surrogate Recovery

Trifluorotoluene	94.3%
Bromobenzene	96.7%

BETX values reported in µg/L (ppb)
Gasoline values reported in mg/L (ppm)

GAS: Indicates the presence of gasoline or weathered gasoline.
GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

6a
GAS INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

Instrument/Det: PID3.I/RTX 502-2 FID Project: LORA LAKE

Calibration Date: 28-JUL-2010 SDG No.: RG94

Gas Range	RF1 0.1	RF2 0.25	RF3 1.0	RF4 2.5	RF5 5.0	RF6 20	Ave RF	%RSD
WA Gas	1009250	772696	761867	782843	800745	839442	827807	11.2
AK Gas	1342560	1066876	1050254	1042480	1063396	1225137	1131784	10.9
NW Gas	1102210	829838	811111	828987	844316	875713	882029	12.5
8015Gas	1959390	1600162	1564234	1551602	1571254	1738000	1664107	9.6
$TFT(Surr)	78.13636	73.54545	71.97015	70.35000	70.48120	69.03933		
	70.30000						71.97607	4.271
$BB(Surr)	48.72727	43.22727	42.49254	41.18000	42.06767	41.53933		
	42.23000						43.06630	5.994

<- Indicates %RSD outside limits
Surrogate areas are not included in RF calculation.

Quant Ranges : WA Gas Toluene - nC12
AK Gas nC6 - nC10
NW Gas Toluene - Naphthalene
8015 Gas 2-Methylpentane - 1,2,4-Trimethylbenzene

Calibration Files	Analysis Time
0728a012.d	28-JUL-2010 11:42
0728a004.d	28-JUL-2010 08:07
0728a005.d	28-JUL-2010 08:31
0728a006.d	28-JUL-2010 08:56
0728a007.d	28-JUL-2010 09:20
0728a008.d	28-JUL-2010 09:45

Surr Calibration Files	Analysis Time
0629a005.d	29-JUN-2010 07:59
0629a006.d	29-JUN-2010 08:24
0629a007.d	29-JUN-2010 08:48
0629a008.d	29-JUN-2010 09:12
0629a009.d	29-JUN-2010 09:37
0629a010.d	29-JUN-2010 10:01
0629a011.d	29-JUN-2010 10:26

BETX INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument/Det: PID3 /RTX 502-2 PID Calibration Date: 06/29/10

COMPOUND	CALIBRATION FACTORS 0.25	0.5	5	25	50	MEAN	%RSD
Benzene	1564	1462	1257	1240	1256		
Toluene	1608	1252	1288	1275	1275		
Ethylbenzene	1404	1420	1164	1185	1190		
M/P-Xylene	1614	1381	1314	1300	1302		
O-Xylene	1352	1232	1295	1269	1282		
MTBE	464	288	367	346	348		
TFT(Surr)	243	220	213	214	217		
BB(Surr)	496	451	434	440	456		

Calibration Files

/chem3/pid3.i/20100629-1.b/0629a005.d
/chem3/pid3.i/20100629-1.b/0629a006.d
/chem3/pid3.i/20100629-1.b/0629a007.d
/chem3/pid3.i/20100629-1.b/0629a008.d
/chem3/pid3.i/20100629-1.b/0629a009.d
/chem3/pid3.i/20100629-1.b/0629a010.d
/chem3/pid3.i/20100629-1.b/0629a011.d

BETX INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument/Det: PID3 /RTX 502-2 PID Calibration Date: 06/29/10

	CALIBRATION FACTORS						
COMPOUND	100	200	MEAN	%RSD			
Benzene	1220	1254	1322	10.16			
Toluene	1247	1294	1320	9.72			
Ethylbenzene	1152	1183	1242	9.38			
M/P-Xylene	1247	1268	1346	9.29			
O-Xylene	1256	1307	1285	3.02			
MTBE	334	343	356	15.04			
TFT(Surr)	212	219	220	4.94			
BB(Surr)	450	463	456	4.41			

GAS CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 28-JUL-2010 SDG No.: RG94

Lab File Name: 0728a010.d Inst/Det: PID3.I/RTX 502-2 FID

Gas Range	Area*	CalcAmnt	NomAmnt	%D	
WAGas (Tol-C12)	2493506	3.01	2.50	20.5	<-
AKGas (C6-C10)	2858408	2.53	2.50	1.0	
NWGas (Tol-Nap)	2556570	2.90	2.50	15.9	
8015B (2MP-TMB)	3739886	2.25	2.50	-10.1	

* Surrogate areas are subtracted from Total Area
<- Indicates an RPD outside QC limits

7b
FID SURROGATE CONTINUING CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: LANDAU ASSOCIATES

ICal Date: 28-JUL-2010 Project: PROJECT STRIKER

CCal Date: 28-JUL-2010 SDG No.: RG94

Lab File Name: 0728a010.d Inst/Det: PID3.I/RTX 502-2 FID

Surrogate	Area	CalcAmnt	NomAmnt	RPD
Trifluorotol	85915	99.7	100.0	-0.3
Bromoflrbenz	33856	101.1	100.0	1.1

BETX CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE

Instrument/Det: PID3/RTX 502-2 PID Calibration Date: 08/10/10

Init. Calib. Date(s): 06/29/10 Calib. File: 0810A002.D

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	%D
Benzene	7.69	7.62	7.76	24.50	25.00	-2.0
Toluene	10.27	10.20	10.34	24.15	25.00	-3.4
Ethylbenzene	12.80	12.73	12.87	23.24	25.00	-7.0
M/P-Xylene	12.94	12.87	13.01	47.16	50.00	-5.7
O-Xylene	13.72	13.67	13.77	23.51	25.00	-6.0
MTBE	5.29	5.22	5.36	25.72	25.00	2.9
TFT(Surr)	8.41	8.34	8.48	88.86	100.0	-11.1
BB(Surr)	14.89	14.82	14.96	90.91	100.0	-9.1

FORM VII BETX

7a
GAS CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 10-AUG-2010 SDG No.: RG94

Lab File Name: 0810a003.d Inst/Det: PID3.I/RTX 502-2 FID

Gas Range	Area*	CalcAmnt	NomAmnt	%D
WAGas (Tol-C12)	1980291	2.39	2.50	-4.3
AKGas (C6-C10)	2640180	2.33	2.50	-6.7
NWGas (Tol-Nap)	2109313	2.39	2.50	-4.3
8015B (2MP-TMB)	3925132	2.36	2.50	-5.7

* Surrogate areas are subtracted from Total Area
<- Indicates an RPD outside QC limits

7b
FID SURROGATE CONTINUING CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 10-AUG-2010 SDG No.: RG94

Lab File Name: 0810a003.d Inst/Det: PID3.I/RTX 502-2 FID

Surrogate	Area	CalcAmnt	NomAmnt	RPD
Trifluorotol	87627	101.4	100.0	1.4
Bromoflrbenz	35749	101.3	100.0	1.3

BETX CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE

Instrument/Det: PID3/RTX 502-2 PID Calibration Date: 08/10/10

Init. Calib. Date(s): 06/29/10 Calib. File: 0810A014.D

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	%D
Benzene	7.72	7.62	7.76	25.30	25.00	1.2
Toluene	10.31	10.20	10.34	24.67	25.00	-1.3
Ethylbenzene	12.84	12.73	12.87	23.74	25.00	-5.0
M/P-Xylene	12.98	12.87	13.01	47.97	50.00	-4.1
O-Xylene	13.76	13.67	13.77	24.27	25.00	-2.9
MTBE	5.31	5.22	5.36	26.59	25.00	6.4
TFT(Surr)	8.44	8.34	8.48	90.92	100.0	-9.1
BB(Surr)	14.91	14.82	14.96	95.72	100.0	-4.3

FORM VII BETX

7a
GAS CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 10-AUG-2010 SDG No.: RG94

Lab File Name: 0810a015.d Inst/Det: PID3.I/RTX 502-2 FID

Gas Range	Area*	CalcAmnt	NomAmnt	%D
WAGas (Tol-C12)	2024038	2.45	2.50	-2.2
AKGas (C6-C10)	2690340	2.38	2.50	-4.9
NWGas (Tol-Nap)	2137108	2.42	2.50	-3.1
8015B (2MP-TMB)	4003374	2.41	2.50	-3.8

* Surrogate areas are subtracted from Total Area
<- Indicates an RPD outside QC limits

7b
FID SURROGATE CONTINUING CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 10-AUG-2010 SDG No.: RG94

Lab File Name: 0810a015.d Inst/Det: PID3.I/RTX 502-2 FID

Surrogate	Area	CalcAmnt	NomAmnt	RPD
Trifluorotol	85754	99.1	100.0	-0.9
Bromoflrbenz	35634	102.0	100.0	2.0

BETX CALIBRATION VERIFICATION SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project No.: LORA LAKE

Instrument/Det: PID3/RTX 502-2 PID Calibration Date: 08/10/10

Init. Calib. Date(s): 06/29/10 Calib. File: 0810A027.D

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	%D
Benzene	7.72	7.62	7.76	25.17	25.00	0.7
Toluene	10.31	10.20	10.34	24.69	25.00	-1.2
Ethylbenzene	12.84	12.73	12.87	23.99	25.00	-4.0
M/P-Xylene	12.98	12.87	13.01	48.31	50.00	-3.4
O-Xylene	13.76	13.67	13.77	24.80	25.00	-0.8
MTBE	5.31	5.22	5.36	26.48	25.00	5.9
TFT(Surr)	8.44	8.34	8.48	89.57	100.0	-10.4
BB(Surr)	14.91	14.82	14.96	96.78	100.0	-3.2

FORM VII BETX

7a
GAS CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010 Project: LORA LAKE

CCal Date: 10-AUG-2010 SDG No.: RG94

Lab File Name: 0810a028.d Inst/Det: PID3.I/RTX 502-2 FID

Gas Range	Area*	CalcAmnt	NomAmnt	%D
WAGas (Tol-C12)	1909792	2.31	2.50	-7.7
AKGas (C6-C10)	2500392	2.21	2.50	-11.6
NWGas (Tol-Nap)	2016366	2.29	2.50	-8.6
8015B (2MP-TMB)	3741568	2.25	2.50	-10.1

* Surrogate areas are subtracted from Total Area
<- Indicates an RPD outside QC limits

7b
FID SURROGATE CONTINUING CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC.
Client: FLOYD/SNIDER

ICal Date: 28-JUL-2010
Project: LORA LAKE

CCal Date: 10-AUG-2010
SDG No.: RG94

Lab File Name: 0810a028.d
Inst/Det: PID3.I/RTX 502-2 FID

Surrogate	Area	CalcAmnt	NomAmnt	RPD
Trifluorotol	85917	99.7	100.0	-0.3
Bromoflrbenz	36395	104.0	100.0	4.0

FORM VII-Surr

BETX/GAS ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument ID: PID3 GC Detector: RTX 502-2 PID

Run Date: 06/29/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

METHOD SURROGATE RT
S1 : 8.44 S2 : 14.91

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	S1 #	S2 RT	S2 #
01		RINSE	06/29/10	0548				
02		RT+BCAL 1	06/29/10	0613	8.42		14.90	
03		GCAL 1	06/29/10	0637	8.43		14.91	
04		RINSE	06/29/10	0735				
05		BETX .25	06/29/10	0759	8.42		14.89	
06		BETX .5	06/29/10	0824	8.43		14.90	
07		BETX 5	06/29/10	0848	8.43		14.91	
08		BETX 25	06/29/10	0912	8.44		14.91	
09		BETX 50	06/29/10	0937	8.44		14.91	
10		BETX 100	06/29/10	1001	8.44		14.91	
11		BETX 200	06/29/10	1026	8.44		14.91	
12		BETX ICV	06/29/10	1050	8.44		14.91	
13		GCAL 2	06/29/10	1145	8.37		14.87	
14		LCS0629	06/29/10	1210	8.42		14.89	
15		LCSD0629	06/29/10	1234	8.43		14.90	
16		MB0629	06/29/10	1259	8.43		14.91	
17	ZZZZZ	ZZZZZ	06/29/10	1344	8.38		14.88	
18	ZZZZZ	ZZZZZ	06/29/10	1408	8.42		14.90	
19	ZZZZZ	ZZZZZ	06/29/10	1433	8.43		14.90	
20	ZZZZZ	ZZZZZ	06/29/10	1458	8.43		14.91	
21	ZZZZZ	ZZZZZ	06/29/10	1522	8.43		14.91	
22	ZZZZZ	ZZZZZ	06/29/10	1547	8.44		14.91	
23	ZZZZZ	ZZZZZ	06/29/10	1611	8.44		14.91	
24		RINSE	06/29/10	1636				
25		BCAL 3	06/29/10	1700	8.44		14.91	
26		GCAL 2	06/29/10	1725	8.44		14.91	

QC LIMITS

S1 = TFT(Surr) (+/- 0.07 MINUTES)

S2 = BB(Surr) (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII-2 BETX

BETX/GAS ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument ID: PID3 GC Detector: RTX 502-2 FID

Run Date: 07/28/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

METHOD SURROGATE RT
S1 : 8.44 S2 : 14.91

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	S1 #	S2 RT	S2 #
01		ZZZZZ	07/28/10	0653			14.86	
02		RT+BCAL 1	07/28/10	0718	8.41		14.89	
03		ZZZZZ	07/28/10	0742	8.43		14.90	
04		GAS .25	07/28/10	0807	8.43		14.91	
05		GAS 1	07/28/10	0831	8.44		14.91	
06		GAS 2.5	07/28/10	0856	8.44		14.91	
07		GAS 5	07/28/10	0920	8.44		14.91	
08		GAS 20	07/28/10	0945	8.44		14.91	
09		ZZZZZ	07/28/10	1009			14.84	
10		GAS ICV	07/28/10	1034	8.44		14.91	
11		ZZZZZ	07/28/10	1117			14.93	
12		GAS .1	07/28/10	1142	8.43		14.90	

QC LIMITS

S1 = TFT(Surr) (+/- 0.07 MINUTES)

S2 = BB(Surr) (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII-2 BETX

BETX/GAS ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument ID: PID3 GC Detector: RTX 502-2 PID

Run Date: 08/10/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

METHOD SURROGATE RT
S1 : 8.41 S2 : 14.89

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	S1 #	S2 RT	S2 #
01	ZZZZZ	ZZZZZ	08/10/10	0557				
02	RT+BCAL 1	RT+BCAL 1	08/10/10	0621	8.41		14.89	
03	GCAL 1	GCAL 1	08/10/10	0646	8.43		14.90	
04	LCS0810S1	LCS0810	08/10/10	0710	8.43		14.91	
05	LCSD0810S1	LCSD0810	08/10/10	0735	8.44		14.91	
06	MB0810S1	MB0810	08/10/10	0759	8.44		14.91	
07	MW12-TB-0802	RG94L	08/10/10	0852	8.37		14.87	
08	MW12-ER-0802	RG94K	08/10/10	0916	8.42		14.90	
09	MW14-15-16.5	RG94A	08/10/10	0941	8.43		14.90	
10	MW14-22.5-24	RG94B	08/10/10	1006	8.44		14.91	
11	MW13-10-11.5	RG94C	08/10/10	1030	8.44		14.91	
12	MW13-14-14.5	RG94D	08/10/10	1054	8.44		14.91	
13	ZZZZZ	ZZZZZ	08/10/10	1119				
14	BCAL 2	BCAL 2	08/10/10	1143	8.44		14.91	
15	GCAL 2	GCAL 2	08/10/10	1208	8.44		14.91	
16	MW13-18.5-19	RG94E	08/10/10	1233	8.44		14.91	
17	MW13-18.5-19	RG94F	08/10/10	1257	8.44		14.91	
18	MW12-5.5-7.5	RG94G	08/10/10	1322	8.44		14.91	
19	MW12-8-9.5-0	RG94H	08/10/10	1346	8.44		14.91	
20	MW12-8-9.5-0	RG94HMS	08/10/10	1411	8.44		14.91	
21	MW12-8-9.5-0	RG94HMSD	08/10/10	1436	8.44		14.91	
22	MW12-10-11.5	RG94I	08/10/10	1500	8.44		14.91	
23	MW12-17.5-19	RG94J	08/10/10	1525	8.44		14.91	
24	ZZZZZ	ZZZZZ	08/10/10	1550	8.44		14.91	
25	ZZZZZ	ZZZZZ	08/10/10	1614	8.44		14.91	
26	ZZZZZ	ZZZZZ	08/10/10	1639				
27	BCAL 3	BCAL 3	08/10/10	1704	8.44		14.91	
28	GCAL 3	GCAL 3	08/10/10	1728	8.44		14.91	
29	ZZZZZ	ZZZZZ	08/10/10	1753	8.44		14.91	
30	ZZZZZ	ZZZZZ	08/10/10	1818	8.44		14.91	
31	ZZZZZ	ZZZZZ	08/10/10	1842	8.44		14.91	
32	ZZZZZ	ZZZZZ	08/10/10	1906	8.44		14.91	

QC LIMITS

S1 = TFT(Surr) (+/- 0.07 MINUTES)
S2 = BB(Surr) (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII-2 BETX

BETX/GAS ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: FLOYD/SNIDER

SDG No.: RG94 Project: LORA LAKE

Instrument ID: PID3 GC Detector: RTX 502-2 PID

Run Date: 08/10/10

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

METHOD SURROGATE RT
S1 : 8.41 S2 : 14.89

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	S1 #	S2 RT	S2 #
01	ZZZZZ	ZZZZZ	08/10/10	1931	8.44		14.91	
02	ZZZZZ	ZZZZZ	08/10/10	1955	8.44		14.91	
03	ZZZZZ	ZZZZZ	08/10/10	2020				
04	ZZZZZ	ZZZZZ	08/10/10	2045	8.44		14.91	

QC LIMITS

S1 = TFT(Surr) (+/- 0.07 MINUTES)
S2 = BB(Surr) (+/- 0.07 MINUTES)

* Values outside of QC limits.

FORM VIII-2 BETX

Metals Analysis
Report and Summary QC Forms

ARI Job ID: RG94

Cover Page

INORGANIC ANALYSIS DATA PACKAGE

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94

CLIENT ID	ARI ID	ARI LIMS ID	REPREP
MW14-15-16.5-08021	RG94A	10-18594	
MW14-22.5-24-08021	RG94B	10-18595	
MW13-10-11.5-08021	RG94C	10-18596	
MW13-14-14.5-08021	RG94D	10-18597	
MW13-18.5-19.5-080	RG94E	10-18598	
MW13-18.5-19.5-080	RG94F	10-18599	
MW12-5.5-7.5-08021	RG94G	10-18600	
MW12-8-9.5-080210	RG94H	10-18601	
MW12-8-9.5-080210D	RG94HDUP	10-18601	
MW12-8-9.5-080210S	RG94HSPK	10-18601	
MW12-10-11.5-08021	RG94I	10-18602	
PBS	RG94MB1	10-18602	
LCSS	RG94MB1SPK	10-18602	
MW12-17.5-19-08021	RG94J	10-18603	
MW12-ER-080210	RG94K	10-18604	
PBW	RG94MB2	10-18604	
LCSW	RG94MB2SPK	10-18604	

Were ICP interelement corrections applied ?	Yes/No	YES
Were ICP background corrections applied ?	Yes/No	YES
If yes - were raw data generated before application of background corrections ?	Yes/No	NO

Comments: _____

THIS DATA PACKAGE HAS BEEN REVIEWED AND AUTHORIZED FOR RELEASE BY:

Signature: _____ Name: Jay Kuhn

Date: 8/16/10 Title: Inorganic Manager

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW14-15-16.5-080210
SAMPLE

Lab Sample ID: RG94A
LIMS ID: 10-18594
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 83.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW14-22.5-24-080210
SAMPLE

Lab Sample ID: RG94B
LIMS ID: 10-18595
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 81.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW13-10-11.5-080210
SAMPLE

Lab Sample ID: RG94C
LIMS ID: 10-18596
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 86.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	**7439-92-1**	**Lead**	2	**3**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: MW13-14-14.5-080210
SAMPLE

Lab Sample ID: RG94D
LIMS ID: 10-18597
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 85.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	5	5	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW13-18.5-19.5-080210
SAMPLE

Lab Sample ID: RG94E
LIMS ID: 10-18598
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 85.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: MW13-18.5-19.5-080210-D
SAMPLE

Lab Sample ID: RG94F
LIMS ID: 10-18599
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 84.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-5.5-7.5-080210
SAMPLE

Lab Sample ID: RG94G
LIMS ID: 10-18600
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 88.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	5	5	U
3050B	08/10/10	6010B	08/12/10	**7439-92-1**	**Lead**	2	**13**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: MW12-8-9.5-080210
SAMPLE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 83.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-10-11.5-080210
SAMPLE

Lab Sample ID: RG94I
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 81.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	**7439-92-1**	**Lead**	2	**3**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-17.5-19-080210
SAMPLE

Lab Sample ID: RG94J
LIMS ID: 10-18603
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Percent Total Solids: 79.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	6	6	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-8-9.5-080210
MATRIX SPIKE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	6010B	6 U	229	223	103%	
Lead	6010B	2 U	228	223	102%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-8-9.5-080210
DUPLICATE

Lab Sample ID: RG94H
LIMS ID: 10-18601
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	6010B	6 U	6 U	0.0%	+/- 6	L
Lead	6010B	2 U	2 U	0.0%	+/- 2	L

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: RG94LCS
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	213	200	106%	
Lead	6010B	205	200	102%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG94MB
LIMS ID: 10-18602
Matrix: Soil
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/10/10	6010B	08/12/10	7440-38-2	Arsenic	5	5	U
3050B	08/10/10	6010B	08/12/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: MW12-ER-080210
SAMPLE

Lab Sample ID: RG94K
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	08/05/10	6010B	08/12/10	7440-38-2	Arsenic	0.05	0.05	U
3010A	08/05/10	6010B	08/12/10	7439-92-1	Lead	0.02	0.02	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: RG94LCS
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	2.09	2.00	104%	
Lead	6010B	2.03	2.00	102%	

Reported in mg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG94MB
LIMS ID: 10-18604
Matrix: Water
Data Release Authorized:
Reported: 08/16/10

QC Report No: RG94-Floyd/Snider
Project: POS-LLA (Lora Lake Apartments)
POS-LLA
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	08/05/10	6010B	08/12/10	7440-38-2	Arsenic	0.05	0.05	U
3010A	08/05/10	6010B	08/12/10	7439-92-1	Lead	0.02	0.02	U

U-Analyte undetected at given RL
RL-Reporting Limit

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94

UNITS: ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Arsenic	AS	ICP	IP081271	2000.0	2026.89	101.3	2000.0	2025.11	101.3	2036.74	101.8	2078.97	103.9	2131.73	106.6	2062.90	103.1
Lead	PB	ICP	IP081271	2000.0	2012.54	100.6	2000.0	2010.78	100.5	2019.17	101.0	2058.30	102.9	2115.99	105.8	2043.84	102.2

Control Limits: Mercury 80-120; Other Metals 90-110

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

UNITS: ug/L

SDG: RG94

ANALYTE	EL	M	RUN	CRA/I TV	CR-1	%R	CR-2	%R	CR-3	%R	CR-4	%R	CR-5	%R	CR-6	%R
Arsenic	AS	ICP	IP081271	50.0	51.52	**103.0**										
Lead	PB	ICP	IP081271	20.0	18.46	**92.3**										

Control Limits: no control limits have been established by the EPA at this time.

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94

UNITS: ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Arsenic	AS	ICP	IP081271	10.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U		
Lead	PB	ICP	IP081271	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U		

RG9415 00231

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

ICS SOURCE: I.V.

PROJECT: POS-LLA (Lora Lake A

RUNID: IP081271

SDG: RG94

INSTRUMENT ID: OPTIMA ICP 2

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	200773.6	200289.0	**100.1**						
Antimony		1000	19.8	1043.1	**104.3**						
Arsenic		1000	5.9	1012.6	**101.3**						
Barium		1000	1.6	955.4	**95.5**						
Beryllium		1000	0.0	972.3	**97.2**						
Boron			4.2	3.7							
Cadmium		1000	2.4	1049.5	**105.0**						
Calcium	100000	100000	99299.0	99596.4	**99.6**						
Chromium		1000	0.9	973.5	**97.4**						
Cobalt		1000	-0.4	975.4	**97.5**						
Copper		1000	-1.3	1016.5	**101.7**						
Iron	200000	200000	192295.9	191580.9	**95.8**						
Lead		1000	-5.6	968.1	**96.8**						
Magnesium	100000	100000	97942.2	102702.8	**102.7**						
Manganese		1000	1.0	911.9	**91.2**						
Molybdenum			4.2	4.1							
Nickel		1000	1.2	956.6	**95.7**						
Potassium			40.9	41.1							
Selenium		1000	43.1	1039.6	**104.0**						
Silicon			-21.3	-15.0							
Silver		1000	-0.9	1010.6	**101.1**						
Sodium			4.6	3.2							
Strontium			3.5	3.5							
Thallium		1000	7.8	975.2	**97.5**						
Tin			-13.0	-11.2							
Titanium			2.6	1.6							
Vanadium		1000	2.2	961.7	**96.2**						
Zinc		1000	-5.5	935.5	**93.6**						

RG94-000282

IDLs and ICP Linear Ranges

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94 UNITS: ug/L

ANALYTE	EL	METH	INSTRUMENT	WAVELENTH (nm)	GFA BACK-GROUND	CLP CRDL	RL	RL DATE	ICP LINEAR RANGE (ug/L)	ICP LR DATE
Arsenic	AS	ICP	OPTIMA ICP 2	197.20		10	50.0	4/1/2010	30000.0	6/25/2010
Lead	PB	ICP	OPTIMA ICP 2	220.35		3	20.0	4/1/2010	300000.0	6/25/2010

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

IEC DATE: 6/25/2010

SDG: RG94

INSTRUMENT ID: OPTIMA ICP 2

ANALYTE	WAVELENGTH	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	10.6345000	0.0000000	0.0000000
Arsenic	188.98	0.0000000	0.0000000	0.0000000	0.0000000	0.0302010	0.0000000	-0.9445380	1.0514100	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0087705	0.0000000	-0.1163000	0.0000000	0.0000000	0.0917961
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	3.3930900	0.0000000	0.0000000	0.0000000	0.0000000	0.1261800	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.5291320	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0194491	0.0000000	-0.0579845	0.0000000	0.0000000	-0.0470434
Cobalt	228.62	0.0000000	0.0000000	0.1846310	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0124726
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2841270	-0.0424887	0.0000000	-0.0717000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.1693720	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.9714800	1.2740100	0.0700135
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.1319490	0.0000000	-1.9410900	-0.9247460	0.0000000	0.5007690
Manganese	257.61	0.0067696	0.0000000	0.0000000	0.0000000	0.0023349	0.0000000	0.0000000	0.0000000	0.0000000	-0.0051882
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0173285	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0679605	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-3.5126200	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	-5.9937200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	2.3133900	0.3288770	0.0000000	-0.1504990
Tin	189.93	0.0000000	0.0000000	0.0000000	0.0000000	-0.0462590	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0623399	0.0000000	0.0000000	0.1821360	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-4.1559900	0.0000000	0.1070520
Zinc	206.20	0.0279274	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.3041290	0.0000000	0.0000000

RG9[illegible]0261

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

IEC DATE: 6/25/2010

SDG: RG94

INSTRUMENT ID: OPTIMA ICP 2

ANALYTE	WAVELENGTH	MG	MN	MO	NI	PB	SB	TI	TL	V	ZN
Aluminum	308.22	0.0000000	0.0000000	10.5279000	0.0000000	0.0000000	0.0000000	2.3617300	0.0000000	18.6686000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.3653530	0.0000000	0.0000000	-1.2842400	0.0000000	-3.1614700	0.0000000
Arsenic	188.98	0.0000000	0.0000000	1.5685300	0.0000000	0.0000000	0.0000000	-18.0910000	0.0000000	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.1042590	0.0000000	0.0000000	0.0000000	0.0000000	0.5343320	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0111651	0.0000000	0.5182900	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	-0.6501870	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.1304500	0.0000000	0.1655120	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.2567570	0.0000000
Cobalt	228.62	0.0000000	0.0000000	-0.1920370	0.1791340	0.0000000	0.0000000	1.6866300	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0228258	0.0000000	0.7071800	0.0000000	0.0000000	0.0000000	0.3708110	0.0000000	0.0000000	0.0000000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	5.3092800	0.0000000
Lead	220.35	0.0000000	0.0000000	-0.3219480	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-3.4563100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	-0.2309750	0.0000000	0.0000000	0.0000000	-0.0245610	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.7107260	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.1962650	0.1355340	0.0000000	0.0000000	0.0000000	-0.0347846	0.0000000	-0.2306430	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	275.8690000	0.0000000	0.0000000	238.7330000
Thallium	190.80	0.0000000	-0.9583370	-3.2391700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.5566700	0.0000000
Tin	189.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.6349390	-0.4579360	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	1.2012000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.1525300	-0.7369790	0.0000000	0.0000000	0.0000000	0.5819800	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.2610670	0.0000000	-0.0597607	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

RG94: 00285

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94

ANALYSIS METHOD: ICP

ARI PREP CODE: TWC

PREPDATE: 8/5/2010

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
MW12-ER-080210	RG94K	0.000	50.0	50.0
PBW	RG94MB2	0.000	50.0	50.0
LCSW	RG94MB2SPK	0.000	50.0	50.0

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A

SDG: RG94

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 8/10/2010

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
MW14-15-16.5-08021	RG94A	1.057	0.0	50.0
MW14-22.5-24-08021	RG94B	1.070	0.0	50.0
MW13-10-11.5-08021	RG94C	1.042	0.0	50.0
MW13-14-14.5-08021	RG94D	1.084	0.0	50.0
MW13-18.5-19.5-080	RG94E	1.031	0.0	50.0
MW13-18.5-19.5-080	RG94F	1.019	0.0	50.0
MW12-5.5-7.5-08021	RG94G	1.059	0.0	50.0
MW12-8-9.5-080210	RG94H	1.071	0.0	50.0
MW12-8-9.5-080210D	RG94HDUP	1.074	0.0	50.0
MW12-8-9.5-080210S	RG94HSPK	1.076	0.0	50.0
MW12-10-11.5-08021	RG94I	1.043	0.0	50.0
MW12-17.5-19-08021	RG94J	1.047	0.0	50.0
PBS	RG94MB1	1.000	0.0	50.0
LCSS	RG94MB1SPK	1.000	0.0	50.0

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A | INSTRUMENT ID: OPTIMA ICP 2 | START DATE: 8/12/2010

SDG: RG94 | RUNID: IP081271 | METHOD: ICP | END DATE: 8/12/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	09345				X																	X									
S2	S2	1.00	09385																														
S3	S3	1.00	09403				X																	X									
S4	S4	1.00	09430																														
S5	S5	1.00	09451																														
ICV	ICV	1.00	09520				X																	X									
ICB	ICB	1.00	09581				X																	X									
CRI	CRII	1.00	10023				X																	X									
ICSA	ICSAI	1.00	10075				X																	X									
ICSAB	ICSABI	1.00	10120				X																	X									
CCV	CCV1	1.00	10182				X																	X									
CCB	CCB1	1.00	10250				X																	X									
ZZZZZZ	RG85MB1	2.00	10293																														
ZZZZZZ	RI10MB	1.00	10335																														
ZZZZZZ	RI10A	1.00	10380																														
ZZZZZZ	RG85A	2.00	10421																														
ZZZZZZ	RG85B	2.00	10461																														
ZZZZZZ	RG85MB1SPK	2.00	10502																														
ZZZZZZ	RG85MB1SPD	2.00	10543																														
ZZZZZZ	RI10MBSPK	1.00	10584																														
CCV	CCV2	1.00	11025				X																	X									
CCB	CCB2	1.00	11071				X																	X									
PBS	RG94MB1	2.00	11115				X																	X									
MW14-15-16.5-08021	RG94A	2.00	11161				X																	X									
MW14-22.5-24-08021	RG94B	2.00	11202				X																	X									
MW13-10-11.5-08021	RG94C	2.00	11243				X																	X									
MW13-14-14.5-08021	RG94D	2.00	11284				X																	X									
MW13-18.5-19.5-080	RG94E	2.00	11325				X																	X									
MW13-18.5-19.5-080	RG94F	2.00	11371				X																	X									
MW12-5.5-7.5-08021	RG94G	2.00	11412				X																	X									
MW12-10-11.5-08021	RG94I	2.00	11453				X																	X									
LCSS	RG94MB1SPK	2.00	11494				X																	X									
CCV	CCV3	1.00	11540				X																	X									
CCB	CCB3	1.00	11581				X																	X									
PBW	RG94MB2	1.00	12025				X																	X									

FORM XIV

RG94 :00268

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: POS-LLA (Lora Lake A | INSTRUMENT ID: OPTIMA ICP 2 | START DATE: 8/12/2010

SDG: RG94 | RUNID: IP081271 | METHOD: ICP | END DATE: 8/12/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
MW12-8-9.5-080210D	RG94HDUP	2.00	12070				X																	X									
MW12-8-9.5-080210	RG94H	2.00	12112				X																	X									
MW12-8-9.5-080210S	RG94HSPK	2.00	12153				X																	X									
MW12-17.5-19-08021	RG94J	2.00	12193				X																	X									
MW12-ER-080210	RG94K	1.00	12234				X																	X									
LCSW	RG94MB2SPK	1.00	12275				X																	X									
CCV	CCV4	1.00	12320				X																	X									
CCV	CCV5	1.00	12391				X																	X									
CCB	CCB4	1.00	12433				X																	X									

RG91 00285

General Chemistry Analysis
Report and Summary QC Forms

ARI Job ID: RG94

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW14-15-16.5-080210
ARI ID: 10-18594 RG94A

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	84.60
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.107

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: MB
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW14-22.5-24-080210
ARI ID: 10-18595 RG94B

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	82.40
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.043

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW13-10-11.5-080210
ARI ID: 10-18596 RG94C

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	85.50
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.090

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: MR
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW13-14-14.5-080210
ARI ID: 10-18597 RG94D

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	85.80
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.132

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW13-18.5-19.5-080210
ARI ID: 10-18598 RG94E

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	86.90
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.037

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW12-8-9.5-080210
ARI ID: 10-18601 RG94H

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	83.20
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.151

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW12-10-11.5-080210
ARI ID: 10-18602 RG94I

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	81.50
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.115

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Client ID: MW12-17.5-19-080210
ARI ID: 10-18603 RG94J

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/03/10 080310#1	EPA 160.3	Percent	0.01	76.10
Total Organic Carbon	08/12/10 081210#1	Plumb,1981	Percent	0.020	0.062

RL Analytical reporting limit
U Undetected at reported detection limit

MS/MSD RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: RG94H Client ID: MW12-8-9.5-080210						
Total Organic Carbon	08/12/10	Percent	0.151	0.660	0.468	108.8%

REPLICATE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: 08/02/10
Date Received: 08/02/10

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: RG94H Client ID: MW12-8-9.5-080210					
Total Solids	08/03/10	Percent	83.20	83.70 83.60	0.3%
Total Organic Carbon	08/12/10	Percent	0.151	0.108 0.200	30.1%

LAB CONTROL RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon Plumb,1981	ICVL	08/12/10	Percent	0.098	0.100	98.0%

METHOD BLANK RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	08/03/10	Percent	< 0.01 U
Total Organic Carbon	08/12/10	Percent	< 0.020 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG94-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized: PB
Reported: 08/13/10

Project: POS-LLA (Lora Lake Apartment
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	08/12/10	Percent	3.47	3.35	103.6%

Total Solids

ARI Job ID: RG94

Volatiles Total Solids-voats
Data By: Pat Basilio
Created: 8/13/10

Worklist: 3267
Analyst: PAB
Comments:

Oven ID:_____

Balance ID:_____

Samples In: Date:_____ Time:_____ Temp:_____ Analyst:_____

Samples Out: Date:_____ Time:_____ Temp:_____ Analyst:_____

	ARI ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids
1.	RG94A 10-18594			*	83.90
2.	RG94B 10-18595			*	81.30
3.	RG94C 10-18596			*	86.90
4.	RG94D 10-18597			*	85.70
5.	RG94E 10-18598			*	85.60
6.	RG94F 10-18599			*	84.90
7.	RG94G 10-18600			*	88.10
8.	RG94H 10-18601			*	83.20
9.	RG94I 10-18602			*	81.40
10.	RG94J 10-18603			*	79.40

* - VOA TS Copied From BETX TS
% - VOA TS Copied From Metals TS
$ - VOA TS Copied From Extraction TS

Extractions Total Solids-extts
Data By: Woo suk Chang
Created: 8/ 5/10

Worklist: 279
Analyst: RVR
Comments:

Oven ID:_____

Balance ID:_____

Samples In: Date:_____ Time:_____ Temp:_____ Analyst:_____

Samples Out: Date:_____ Time:_____ Temp:_____ Analyst:_____

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	RG94A 10-18594 MW14-15-16.5-080210	1.17	14.20	12.13	84.1	NR
2.	RG94B 10-18595 MW14-22.5-24-080210	1.18	12.98	10.83	81.8	NR
3.	RG94C 10-18596 MW13-10-11.5-080210	1.18	11.23	9.95	87.3	NR
4.	RG94D 10-18597 MW13-14-14.5-080210	1.18	12.12	10.70	87.0	NR
5.	RG94E 10-18598 MW13-18.5-19.5-080210	1.19	13.12	11.54	86.8	NR
6.	RG94F 10-18599 MW13-18.5-19.5-080210-D	1.19	12.66	11.03	85.8	NR
7.	RG94G 10-18600 MW12-5.5-7.5-080210	1.19	11.24	10.25	90.1	NR
8.	RG94H 10-18601 MW12-8-9.5-080210	1.19	11.94	10.01	82.0	NR
9.	RG94I 10-18602 MW12-10-11.5-080210	1.18	12.16	9.52	76.0	NR
10.	RG94J 10-18603 MW12-17.5-19-080210	1.18	13.79	11.21	79.5	NR

Extractions Total Solids-extts
Data By: Woo suk Chang
Created: 8/ 5/10

Worklist: 279
Analyst: WC
Comments:

Oven ID: 015

Balance ID: 24150193

Samples In: Date: 8/5/10 Time: 21:20 Temp: 103 Analyst: WC

Samples Out: Date: 8/6/10 Time: 14:28 Temp: 104° Analyst: RR

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	RG94A 10-18594 MW14-15-16.5-080210	1.19	14.20	12.13		NR
2.	RG94B 10-18595 MW14-22.5-24-080210	1.18	12.98	10.83		NR
3.	RG94C 10-18596 MW13-10-11.5-080210	1.18	11.23g	9.95		NR
4.	RG94D 10-18597 MW13-14-14.5-080210	1.18	12.12g	10.70		NR
5.	RG94E 10-18598 MW13-18.5-19.5-080210	1.19	13.12g	11.54		NR
6.	RG94F 10-18599 MW13-18.5-19.5-080210-D	1.19	12.66g	11.03		NR
7.	RG94G 10-18600 MW12-5.5-7.5-080210	1.19	11.24g	10.25		NR
8.	RG94H 10-18601 MW12-8-9.5-080210	1.19	11.94g	10.01		NR
9.	RG94I 10-18602 MW12-10-11.5-080210	1.18	12.16g	9.52		NR
10.	RG94J 10-18603 MW12-17.5-19-080210	1.18	13.79g	11.21		NR

BETX/TPHG Total Solids-betxts
Data By: Monica Herbert
Created: 8/13/10

Worklist: 3213
Analyst: MH
Comments:

Oven ID:_____

Balance ID:_____

Samples In: Date:_____ Time:_____ Temp:_____ Analyst:_____

Samples Out: Date:_____ Time:_____ Temp:_____ Analyst:_____

	ARI ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids
1.	RG94A 10-18594				% 83.9
2.	RG94B 10-18595				% 81.3
3.	RG94C 10-18596				% 86.9
4.	RG94D 10-18597				% 85.7
5.	RG94E 10-18598				% 85.6
6.	RG94F 10-18599				% 84.9
7.	RG94G 10-18600				% 88.1
8.	RG94H 10-18601				% 83.2
9.	RG94I 10-18602				% 81.4
10.	RG94J 10-18603				% 79.4

* - BETX TS Copied From VOA TS
% - BETX TS Copied From Metals TS
$ - BETX TS Copied From Extraction TS

Solids Data Entry Report Checked by: DM Date: 8/11/10
Date: 08/11/10 Data Analyst: KM

Solids Determination performed on 08/10/10 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
RG94	A	MW14-15-16.5-080210	0.960	10.951	9.343	83.91
RG94	B	MW14-22.5-24-080210	0.988	10.566	8.772	81.27
RG94	C	MW13-10-11.5-080210	0.976	10.504	9.260	86.94
RG94	D	MW13-14-14.5-080210	0.975	10.798	9.397	85.74
RG94	E	MW13-18.5-19.5-0802	0.987	10.856	9.434	85.59
RG94	F	MW13-18.5-19.5-0802	0.939	10.618	9.157	84.91
RG94	G	MW12-5.5-7.5-080210	1.013	10.721	9.570	88.14
RG94	H	MW12-8-9.5-080210	0.985	10.556	8.951	83.23
RG94	I	MW12-10-11.5-080210	0.987	10.569	8.786	81.39
RG94	J	MW12-17.5-19-080210	0.934	10.451	8.488	79.37

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Total Solids Bench Sheet

Laboratory Section Metals

Oven Identification: 07 **Balance ID:** 068755

Samples in Oven: Date: 8-10-10 Time: 1910 Temp: 103°C Analyst: DM

Removed from Oven: Date: 8/11/10 Time: 1115 Temp: 101°C Analyst: KM

Source of Total Solids Data If From A Different Lab: —

ARI Sample ID		Tare Weight (g)	Tare + Sample Wet (g)	Tare + Sample Dry (g)	Date & Time Last Weight	Final Weighting >12 hrs[1]
RG94	A	0.960	10.951	9.343	—	✓
"	B	0.988	10.566	8.772	—	✓
"	C	0.976	10.504	9.260	—	✓
"	D	0.975	10.798	9.397	—	✓
"	E	0.987	10.856	9.434	—	✓
"	F	0.939	10.618	9.157	—	✓
"	G	1.013	10.721	9.570	—	✓
"	H	0.986	10.556	8.951	—	✓
"	I	0.987	10.569	8.786	—	✓
"	J	0.934	10.451	8.488	—	✓
RG85	A	0.949	10.598	3.867	—	✓
"	B	0.960	10.284	4.388	—	✓
RH20	A	0.975	10.605	10.076	—	✓
"	B	0.983	10.814	10.624	—	✓
RG53	A	0.977	10.597	7.720	—	✓
"	B	0.962	10.191	4.927	—	✓
"	C	0.958	10.835	5.757	—	✓
"	D	0.992	10.629	5.047	—	✓
"	E	0.933	10.682	6.559	—	✓
			8-10-10 DM			

1) Place a check mark in this column if samples have dried > 12 but < 24 hours. When samples have been at 104°C < 12 hours, constant weight must be verified as described in SOP 10023S. Use a 2nd bench sheet for additional weightings.

Volatile Raw Data
Preparation Log

ARI Job ID: RG94

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Volatile Organics Extraction Bench Sheet

(8260B, 8260B-SIM, 8021, NWTPH-Gx, AK-101, TPH-G, VPH, TCLP-ZHE)

ARI Project No. RG94 | Client ID/Project | Extraction Date | MeOH Lot No. | Analyst

1st Extraction: | 2nd Extraction: | P 8/10/4

	Lab ID	Vial No.	Preservative		Method 5035 Sample Weight					Comments
			$NaHSO_3$	CH_3OH	Vial Weight	Tare (from vial)	Sample Weight	Extract Volume	MeOH Spilt Volume	
	MB:									
	LCS:									
	LCSD:									
1	RG94A	4	✓		41.97	31.431	10.539			
2	B	4	✓		46.77	36.785	9.985			
3	C	4	✓		41.30	31.237	10.063			
4	D	4	✓		42.32	31.234	11.086			
5	E	5	✓		42.28	31.218	11.062			
6	F	5	✓		41.73	31.279	10.451			
7	G	5	✓		40.22	31.138	9.082			
8	H	11	✓		42.70	31.415	11.285			
9	I	4	✓		41.49	31.408	10.082			
10	J	5	✓		40.52	31.369	9.151			
11	Hmy	10	✓		41.83	31.448	10.382			
12	Hoke	15	✓		42.06	31.311	10.749			
13										
14										
15										
16										
17										
18										
19										
20										
	Balance ID:									

	Solution ID	Concentration	Amount Spiked	Analyst	Witness
Surrogate:					
Spike:					

RG94 : 09512

Volatile Raw Data
Initial Calibration Notes and Raw Data

ARI Job ID: RG94

Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: FS ical Client ID: _____

ARI SOP: **404S**(Gas) **410S**(BTEX) **430S**(VPH) **700S**(8260C) **703S**(SIM) **706S**(524.2) **710S**(RSK-175)

Parameter(s): _____

Instrument: NT-3 NT-5 NT-7 NT-9 NT-10 PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 5 Curve Date: 7/23/10 Analysis Start Date: 7/23/10

pH ≤ 2.0	YES / NO / NA	Method Blank In Control?	YES / NO
BFB Tune Meets Criteria?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
Internal Standard Meets Criteria?	YES / NO / NA	Surrogate Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO
Q flag applied?	YES / NO / NA	Q flag applied?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes /NO
Special Analysis Criteria Met?	YES / NO / NA		

Bubbles/Headspace: None SM (≤ 2mm •) PB (2-4mm) LG (> 4mm ●) Head Space

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

ICV - bromomethane 124.8%R
1,2,4 TCB 75%R
1,2,3 TCB 76.7%R

all analytes averaged

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 7/29/10

Reviewer: _____ **Date:** 7/29/10

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 7/23/10 Analysis: SVMSC Analyst: KT

GC Program: F5 Column No: 821724 Column Type: MTX5ms

Instrument Tune (.U or .CT.): DFTPP0723 EM Voltage: 1599

Calibration File: 2000723 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
W644-4	W646-2	W647-1
	W646-3	~~W647-~~

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/23JUL10.b

	Time	Filename	LabID	ClientID	WT								
1	0837	BFB0723.d	BFB0723	BFB0723	0.00								
2	1648	BFB07231.d	BFB0723	BFB0723	0.00								
3	1718	2000723.d	IC0723	VSTD200	5.00 | 6.62	159149 | 7.64	229095 | 10.79	171495 | 13.47	145587 |				
4	1749	1500723.d	IC0723	VSTD150	5.00 | 6.62	155784 | 7.64	228573 | 10.78	178614 | 13.47	122904 |				
5	1816	1000723.d	IC0723	VSTD100	5.00 | 6.62	135334 | 7.64	199732 | 10.78	160631 | 13.47	96340 |				
6	1842	0500723.d	IC0723	VSTD050	5.00 | 6.62	131115 | 7.63	191559 | 10.78	161199 | 13.47	88279 |				
7	1909	0100723.d	IC0723	VSTD010	5.00 | 6.62	118930 | 7.63	168271 | 10.78	140990 | 13.46	72150 |				
8	1935	0050723.d	IC0723	VSTD005	5.00 | 6.62	117041 | 7.63	170929 | 10.78	146260 | 13.46	75761 |				
9	2002	0020723.d	IC0723	VSTD002	5.00 | 6.62	125854 | 7.63	165926 | 10.78	143906 | 13.47	73251 |				
10	2028	0010723.d	IC0723	VSTD001	5.00 | 6.61	113813 | 7.63	168346 | 10.77	142296 | 13.46	71616 |				
11	2214	ICV0723.d	ICV0723	ICV0723	5.00 | 6.62	130699 | 7.64	194200 | 10.78	160989 | 13.47	90026 |				

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/23JUL10.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 23-JUL-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1648	BFB07231.d	BFB0723	BFB0723	1	NO MANUAL INTEGRATION
1718	2000723.d	IC0723	VSTD200	1	NO MANUAL INTEGRATION
1749	1500723.d	IC0723	VSTD150	1	NO MANUAL INTEGRATION
1816	1000723.d	IC0723	VSTD100	1	NO MANUAL INTEGRATION
1842	0500723.d	IC0723	VSTD050	1	NO MANUAL INTEGRATION
1909	0100723.d	IC0723	VSTD010	1	NO MANUAL INTEGRATION
1935	0050723.d	IC0723	VSTD005	1	2-Hexanone, Trans-1,4-Dichloro 2-Butene,
2002	0020723.d	IC0723	VSTD002	1	Acetone, 2-Hexanone, 1,2,3-Trichloropropane, Trans-1,4-Dichloro 2-Butene,
2028	0010723.d	IC0723	VSTD001	1	Acetone, 1,1,1-Trichloroethane, 2-Hexanone, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, Trans-1,4-Dichloro 2-Butene,
2214	ICV0723.d	ICV0723	ICV0723	1	NO MANUAL INTEGRATION

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

Instrument: finn5.i

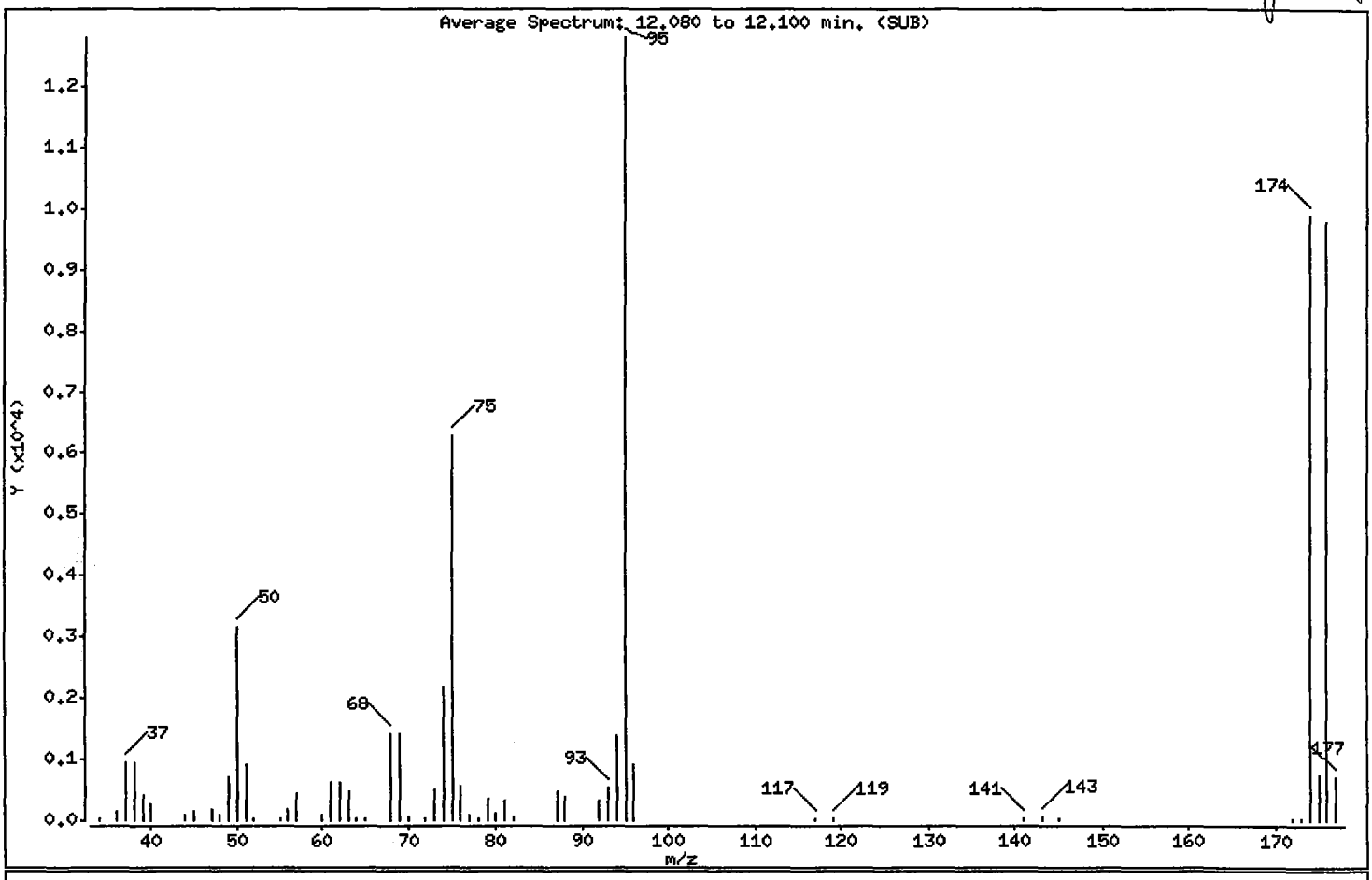
Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	24.73
75	30.00 - 66.00% of mass 95	49.06
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.16 (0.21)
174	50.00 - 101.00% of mass 95	77.38
175	4.00 - 9.00% of mass 174	5.70 (7.37)
176	93.00 - 101.00% of mass 174	76.42 (98.77)
177	5.00 - 9.00% of mass 176	5.51 (7.21)

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

Instrument: finn5.i

Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB07231.d
Spectrum: Average Spectrum: 12.080 to 12.100 min. (SUB)
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
34.00	41	55.00	28	74.00	2174	95.00	12792
36.00	159	56.00	184	75.00	6276	96.00	905
37.00	938	57.00	440	76.00	565	117.00	17
38.00	936	60.00	91	77.00	77	119.00	25
39.00	400	61.00	624	78.00	18	141.00	28
40.00	260	62.00	625	79.00	363	143.00	45
44.00	96	63.00	460	80.00	109	145.00	24
45.00	144	64.00	38	81.00	331	172.00	26
47.00	178	65.00	22	82.00	62	173.00	21
48.00	81	68.00	1416	87.00	469	174.00	9898
49.00	708	69.00	1407	88.00	387	175.00	729
50.00	3164	70.00	64	92.00	317	176.00	9776
51.00	905	72.00	18	93.00	542	177.00	705
52.00	33	73.00	511	94.00	1387		

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

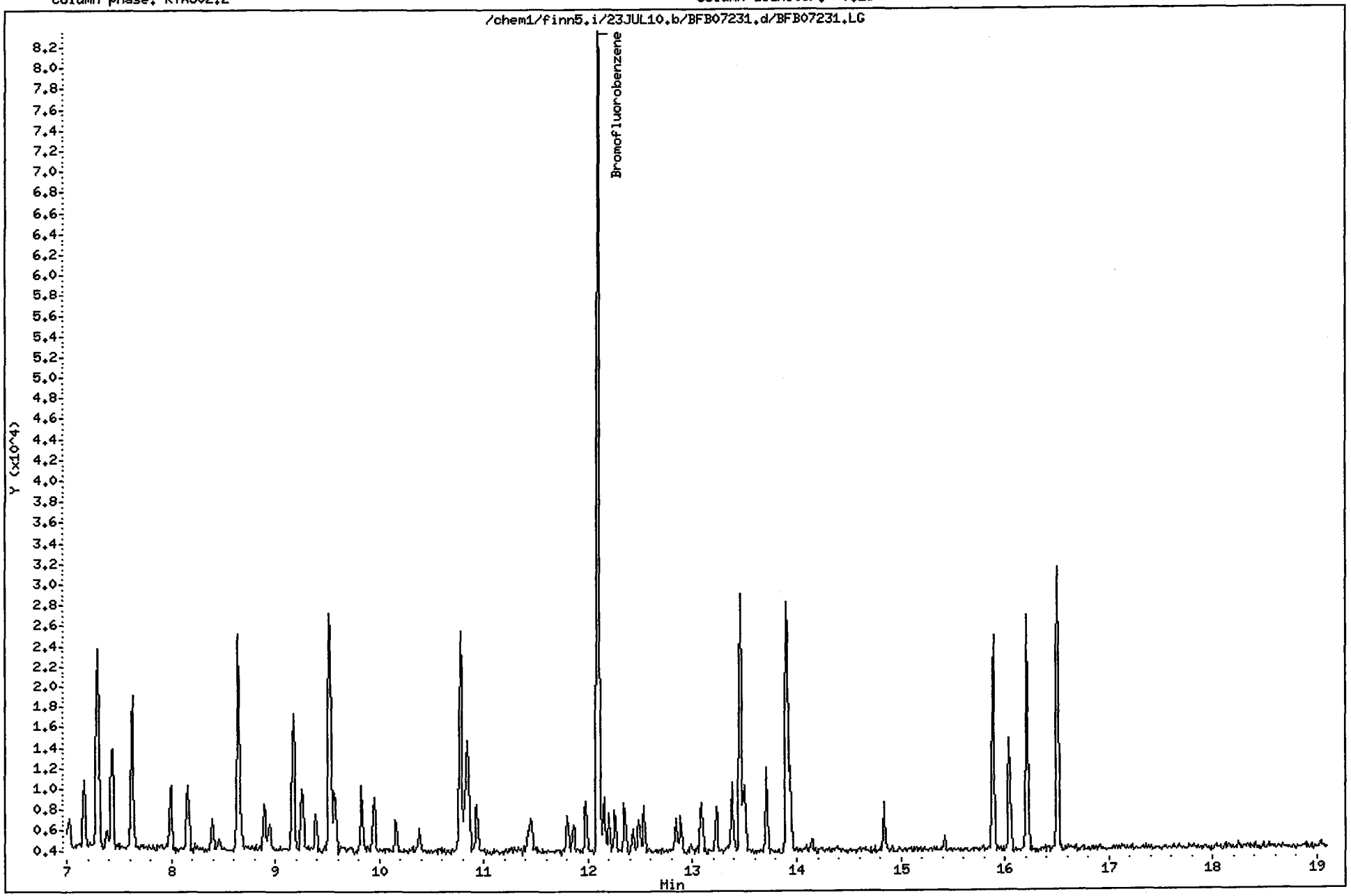
Instrument: finn5.i

Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18



Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Calibration File Names:
Level 1: /chem1/finn5.i/23JUL10.b/0010723.d
Level 2: /chem1/finn5.i/23JUL10.b/0020723.d
Level 3: /chem1/finn5.i/23JUL10.b/0050723.d
Level 4: /chem1/finn5.i/23JUL10.b/0100723.d
Level 5: /chem1/finn5.i/23JUL10.b/0500723.d
Level 6: /chem1/finn5.i/23JUL10.b/1000723.d
Level 7: /chem1/finn5.i/23JUL10.b/1500723.d
Level 8: /chem1/finn5.i/23JUL10.b/2000723.d

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
1 Dichlorodifluoromethane	0.61856	0.69160	0.65985	0.63344	0.67493	0.67442			
	0.63254	0.60144					0.64835	4.860	
2 Chloromethane	2.15529	1.96152	1.91728	2.00912	1.65244	1.56576			
	1.38789	1.30591					1.74440	17.810	
3 Vinyl Chloride	1.51916	1.45247	1.51314	1.59745	1.36296	1.35754			
	1.17136	1.06143					1.37944	13.295	
4 Bromomethane	0.93443	0.85086	0.77665	0.62524	0.81039	0.76904			
	0.64701	0.57949					0.74914	16.282	
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
5 Chloroethane	1.07062	1.09297	0.98777	0.87106	0.87644	0.77822			
	0.62883	+++++					0.90084	18.341	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
6 Trichlorofluoromethane	1.47611	1.55864	1.50469	1.41033	1.42641	1.27999		
	1.04222	0.96730					1.33321	16.450
7 Acrolein	0.20463	0.19693	0.17700	0.16354	0.15712	0.14591		
	0.11901	+++++					0.16631	17.814
8 112Trichloro122Trifluoroethan	1.27446	1.18209	1.20394	1.12348	1.01422	0.97608		
	0.81784	0.75797					1.04376	17.834
9 Acetone	0.30796	0.31971	0.31370	0.30116	0.26843	0.24372		
	0.20402	+++++					0.27982	15.417
10 1,1-Dichloroethene	1.03591	1.01895	1.04143	1.03174	0.97906	0.93375		
	0.79718	0.73915					0.94715	12.366
11 Bromoethane	0.70730	0.74361	0.72880	0.75267	0.72730	0.72722		
	0.63319	0.59114					0.70140	8.233
12 Iodomethane	1.01087	1.06621	1.14259	1.14012	1.25306	1.25553		
	1.06567	1.02480					1.11986	8.526
13 Methylene Chloride	+++++	1.39659	1.18975	1.12760	0.93514	0.92898		
	0.82084	+++++					1.06648	19.864
14 Acrylonitrile	0.19594	0.24276	0.28315	0.28492	0.26101	0.25835		
	0.23046	0.21983					0.24705	12.529

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	150.000 Level 7	200.000 Level 8	___ RRF	% RSD	
16 Methyl tert-Butyl Ether	1.39176	1.48204	1.61653	1.63134	1.52463	1.54183	1.31326	1.15084	1.45653	11.218	
15 Carbon Disulfide	3.37220	3.30955	3.39522	3.28180	3.17583	2.86693	2.18562	1.91323	2.93755	19.647	
17 Trans-1,2-Dichloroethene	0.81493	0.82496	0.80638	0.89481	0.79365	0.83461	0.76581	0.72223	0.80717	6.268	
18 Vinyl Acetate	1.37858	1.47513	1.52895	1.55974	1.56063	1.55351	1.19699	1.05617	1.41371	13.515	
19 1,1-Dichloroethane	1.59340	1.57720	1.61593	1.67405	1.53370	1.56119	1.25502	1.06889	1.48492	14.111	
179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
20 2-Butanone	0.32659	0.32955	0.34359	0.35332	0.32770	0.32306	0.26832	0.24668	0.31485	11.826	
21 2,2-Dichloropropane	0.88742	0.89660	0.93309	0.95140	0.91310	0.95603	0.87622	0.85519	0.90863	3.989	
22 Cis-1,2-Dichloroethene	0.70291	0.70218	0.71753	0.75872	0.69175	0.74171	0.68699	0.68958	0.71142	3.685	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
24 Chloroform	1.24898	1.29560	1.31578	1.31952	1.20276	1.23393			
	1.07329	0.95949					1.20617	10.579	
26 Bromochloromethane	0.30137	0.32304	0.36688	0.35714	0.33542	0.35133			
	0.33200	0.33497					0.33777	6.124	
27 1,1,1-Trichloroethane	0.97660	0.93458	0.97291	0.98520	0.93283	0.96160			
	0.87853	0.86280					0.93813	4.889	
182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
29 1,1-Dichloropropene	0.66975	0.69007	0.71193	0.76499	0.67325	0.69499			
	0.63130	0.59559					0.67899	7.511	
30 Carbon Tetrachloride	0.58124	0.62407	0.60370	0.63020	0.57050	0.59224			
	0.55109	0.57045					0.59044	4.670	
32 1,2-Dichloroethane	0.57115	0.62874	0.63301	0.67822	0.58611	0.59776			
	0.54427	0.52926					0.59607	8.280	
33 Benzene	1.75947	1.76841	1.80022	1.96537	1.65649	1.45472			
	1.08835	+++++					1.64186	17.603	
180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
35 Trichloroethene	0.43601	0.49962	0.50986	0.54002	0.46846	0.48511			
	0.44820	0.46107					0.48104	7.173	
36 1,2-Dichloropropane	0.52451	0.52147	0.54818	0.58228	0.50133	0.51755			
	0.47045	0.47472					0.51756	7.121	
38 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
37 Bromodichloromethane	0.52125	0.59258	0.58170	0.60376	0.54255	0.55496			
	0.51592	0.51411					0.55335	6.471	
39 Dibromomethane	0.25305	0.25915	0.25993	0.28772	0.24894	0.26038			
	0.23699	0.24918					0.25692	5.717	
40 2-Chloroethyl Vinyl Ether	+++++	0.14178	0.17329	0.18981	0.18519	0.19380			
	0.18677	0.19813					0.18125	10.524	
41 4-Methyl-2-Pentanone	0.14149	0.13693	0.13232	0.14268	0.13289	0.13206			
	0.12187	0.11715					0.13218	6.720	
42 Cis 1,3-dichloropropene	0.50313	0.56652	0.59990	0.66027	0.63768	0.67623			
	0.61950	0.56997					0.60415	9.387	
28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
44 Toluene	1.25664	1.10456	1.02224	1.05184	0.92146	0.94617		
	0.78347	0.70675					0.97414	18.057
45 Trans 1,3-Dichloropropene	0.44640	0.47190	0.49114	0.54059	0.52142	0.55921		
	0.52387	0.50804					0.50782	7.254
46 2-Hexanone	0.48863	0.41802	0.40375	0.43814	0.38146	0.32234		
	+++++	+++++					0.40872	13.652
47 1,1,2-Trichloroethane	0.26879	0.29516	0.32288	0.33895	0.29564	0.30800		
	0.29114	0.30558					0.30327	6.989
48 1,3-Dichloropropane	0.68343	0.71401	0.71469	0.75583	0.67765	0.72373		
	0.67642	0.68404					0.70372	4.007
49 Tetrachloroethene	0.61667	0.52708	0.56488	0.56674	0.48964	0.54556		
	0.54309	0.59035					0.55550	6.995
50 Chlorodibromomethane	0.42693	0.43952	0.46540	0.50238	0.45273	0.49329		
	0.47878	0.52825					0.47341	7.173
51 1,2-Dibromoethane	0.30087	0.32786	0.33839	0.34926	0.32203	0.32796		
	0.30873	0.32362					0.32484	4.715
53 Chlorobenzene	1.44874	1.25551	1.21469	1.28463	1.09325	1.17322		
	0.98203	0.92990					1.17275	14.376

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	150.000 Level 7	200.000 Level 8						
55 1,1,1,2-Tetrachloroethane	0.48807	0.46350	0.43819	0.45358	0.38926	0.42774		
	0.43874	0.49165					0.44884	7.446
54 Ethyl Benzene	2.20280	2.17625	2.08813	2.26814	2.02082	1.78412		
	1.34210	+++++					1.98319	16.336
56 m,p-xylene	0.68572	0.70089	0.75629	0.82054	0.76759	0.80414		
	0.64714	0.61656					0.72486	10.182
57 o-Xylene	0.59735	0.67179	0.70053	0.77321	0.74982	0.84040		
	0.82834	0.86537					0.75335	12.283
58 Styrene	1.01338	1.04252	1.15090	1.32066	1.22803	1.34186		
	1.12721	1.09402					1.16482	10.471
59 Isopropyl Benzene	3.58090	3.46378	3.66983	4.08053	3.63628	3.05286		
	2.07611	+++++					3.36576	19.154
60 Bromoform	0.58786	0.56177	0.56335	0.58351	0.52086	0.53868		
	0.49959	0.47363					0.54116	7.521
61 1,1,2,2-Tetrachloroethane	1.19875	1.12388	1.03602	1.12613	0.91700	0.89056		
	0.77962	0.70704					0.97237	18.199
63 1,2,3-Trichloropropane	+++++	0.22594	0.22109	0.22654	0.18550	0.18274		
	0.16039	0.14626					0.19264	16.965

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
65 Trans-1,4-Dichloro 2-Butene	+++++	0.32184	0.32576	0.34893	0.30143	0.29907		
	0.25759	0.23740					0.29886	13.135
66 N-Propyl Benzene	4.35587	4.36240	4.59339	5.13243	4.29164	3.33374		
	+++++	+++++					4.34491	13.450
67 Bromobenzene	0.97674	0.93719	0.97174	1.05787	0.91718	0.95651		
	0.87178	0.81723					0.93828	7.723
68 1,3,5-Trimethyl Benzene	2.66281	2.66686	2.91760	3.22571	2.99783	2.73312		
	1.92105	+++++					2.73214	15.058
69 2-Chloro Toluene	3.12291	2.80576	3.07335	3.37221	2.80971	2.82080		
	1.97970	+++++					2.85492	15.393
70 4-Chloro Toluene	2.62581	2.91088	2.87998	3.29757	2.95871	2.62567		
	1.85746	+++++					2.73658	16.426
71 T-Butyl Benzene	2.25508	2.38597	2.57296	2.86417	2.63858	2.56035		
	1.95835	1.46344					2.33736	19.065
72 1,2,4-Trimethylbenzene	2.43800	2.54502	2.85134	3.25960	2.94781	2.80039		
	1.98513	+++++					2.68961	15.258
73 S-Butyl Benzene	3.65072	3.68903	3.98398	4.45398	4.03139	3.26306		
	+++++	+++++					3.84536	10.568

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
74 4-Isopropyl Toluene	2.22576	2.54160	2.82348	3.17997	2.94657	2.74678			
	2.00557	+++++					2.63853	15.583	
75 1,3-Dichlorobenzene	1.56180	1.53308	1.67395	1.91240	1.64575	1.80399			
	1.47885	1.21428					1.60301	13.256	
64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
77 1,4-Dichlorobenzene	1.65466	1.57267	1.70259	1.83867	1.59685	1.77492			
	1.48449	1.20781					1.60408	12.218	
178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
78 N-Butyl Benzene	2.81013	2.76549	3.04510	3.43035	3.10253	2.84626			
	1.94473	+++++					2.84923	16.127	
80 1,2-Dichlorobenzene	1.53737	1.60237	1.63752	1.74962	1.51750	1.58654			
	1.40066	1.15636					1.52349	11.753	
81 1,2-Dibromo 3-Chloropropane	0.15220	0.20921	0.18954	0.20055	0.17137	0.15806			
	0.13717	0.12795					0.16826	17.597	
82 1,2,4-Trichlorobenzene	0.96487	1.01671	0.97082	1.12640	0.86020	0.91319			
	0.82523	0.73938					0.92710	12.980	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
83 Hexachloro 1,3-Butadiene	0.58506	0.68805	0.68940	0.75107	0.58913	0.59714		
	0.55357	0.54187					0.62441	12.059
84 Naphthalene	1.71610	1.75595	1.74219	2.09362	1.61770	1.55845		
	1.28695	+++++					1.68157	14.468
85 1,2,3-Trichlorobenzene	0.96068	1.02012	0.96026	1.13604	0.80895	0.82225		
	0.73656	0.64602					0.88636	18.168
$ 25 Dibromofluoromethane	0.64899	0.62877	0.61356	0.58619	0.59870	0.58643		
	0.57172	0.53307					0.59593	5.995
$ 31 d4-1,2-Dichloroethane	0.71761	0.70471	0.68731	0.64625	0.64321	0.64102		
	0.61687	0.55964					0.65208	7.847
$ 43 d8-Toluene	1.12329	1.14949	1.12157	1.10618	1.11356	1.07971		
	1.04839	1.04692					1.09864	3.363
$ 62 4-Bromofluorobenzene	0.54956	0.55666	0.55779	0.55088	0.56658	0.59164		
	0.61336	0.69489					0.58517	8.478
$ 79 d4-1,2-Dichlorobenzene	0.92905	0.92027	0.92025	0.92575	0.92529	0.90255		
	0.87965	0.87290					0.90947	2.425

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08
FILENAME:	2000723	1500723	1000723	0500723	0100723	0050723	0020723	0010723
INJ.DATE:	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010
INJ.TIME:	17:18	17:49	18:16	18:42	19:09	19:35	20:02	20:28

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Dichlorodifluoromethan	3.015	3.015	3.005	3.005	3.005	3.005	3.005	2.995	3.015	2.750-3.280	3.006	0.006
2 Chloromethane	3.316	3.316	3.306	3.306	3.306	3.296	3.306	3.296	3.316	3.051-3.581	3.306	0.008
3 Vinyl Chloride	3.417	3.417	3.417	3.417	3.407	3.417	3.427	3.417	3.417	3.152-3.682	3.417	0.005
4 Bromomethane	3.909	3.909	3.909	3.909	3.899	3.899	3.909	3.899	3.909	3.644-4.174	3.906	0.005
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	4.500	4.235-4.765	+++++	+++++
5 Chloroethane	3.980	3.980	3.980	3.980	3.970	3.970	3.980	3.970	3.980	3.715-4.245	3.976	0.005
6 Trichlorofluoromethane	4.241	4.241	4.241	4.241	4.231	4.231	4.241	4.231	4.241	3.976-4.506	4.237	0.005
7 Acrolein	4.633	4.633	4.633	4.623	4.623	4.623	4.623	4.623	4.633	4.368-4.898	4.627	0.005
8 112Trichloro122Trifluo	4.643	4.643	4.643	4.633	4.633	4.633	4.643	4.633	4.643	4.378-4.908	4.638	0.005
9 Acetone	4.693	4.683	4.683	4.673	4.673	4.673	4.673	4.673	4.693	4.428-4.958	4.678	0.008
10 1,1-Dichloroethene	4.844	4.844	4.834	4.834	4.834	4.834	4.834	4.834	4.844	4.579-5.109	4.837	0.005
11 Bromoethane	5.055	5.055	5.055	5.055	5.055	5.045	5.055	5.055	5.055	4.790-5.320	5.054	0.004
12 Iodomethane	5.156	5.156	5.156	5.156	5.146	5.146	5.156	5.146	5.156	4.891-5.421	5.152	0.005
13 Methylene Chloride	5.276	5.276	5.276	5.266	5.266	5.266	5.266	5.266	5.276	5.011-5.541	5.270	0.005
14 Acrylonitrile	5.367	5.357	5.357	5.357	5.357	5.347	5.347	5.347	5.367	5.102-5.632	5.354	0.007
16 Methyl tert-Butyl Ethe	5.407	5.397	5.397	5.397	5.397	5.387	5.397	5.387	5.407	5.142-5.672	5.396	0.006
15 Carbon Disulfide	5.377	5.377	5.377	5.377	5.367	5.367	5.377	5.367	5.377	5.112-5.642	5.373	0.005

Reviewer 1 _____ Date: 7/29/10
Reviewer 2 _____ Date: _____

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	17 Trans-1,2-Dichloroethe	5.558	5.558	5.558	5.558	5.548	5.548	5.558	5.548	5.558	5.293-5.822	5.554	0.005
	18 Vinyl Acetate	5.879	5.879	5.879	5.879	5.869	5.869	5.879	5.869	5.879	5.614-6.144	5.875	0.005
	19 1,1-Dichloroethane	5.940	5.940	5.940	5.940	5.929	5.929	5.929	5.929	5.940	5.675-6.204	5.935	0.005
	179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.990	5.725-6.255	+++++	+++++
	20 2-Butanone	6.291	6.281	6.281	6.281	6.281	6.271	6.281	6.271	6.291	6.026-6.556	6.280	0.006
	21 2,2-Dichloropropane	6.462	6.462	6.462	6.452	6.452	6.452	6.452	6.442	6.462	6.197-6.727	6.455	0.007
	22 Cis-1,2-Dichloroethene	6.502	6.502	6.492	6.492	6.492	6.492	6.492	6.482	6.502	6.237-6.767	6.494	0.006
*	23 Pentafluorobenzene	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.613	6.623	6.358-6.888	6.622	0.004
	24 Chloroform	6.643	6.643	6.643	6.643	6.633	6.633	6.643	6.633	6.643	6.378-6.908	6.639	0.005
	26 Bromochloromethane	6.814	6.814	6.804	6.804	6.804	6.804	6.804	6.794	6.814	6.549-7.079	6.805	0.006
$	25 Dibromofluoromethane	6.844	6.844	6.844	6.844	6.834	6.834	6.834	6.834	6.844	6.579-7.109	6.839	0.005
	27 1,1,1-Trichloroethane	7.035	7.035	7.035	7.025	7.025	7.025	7.025	7.015	7.035	6.770-7.300	7.027	0.007
	182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.030	7.765-8.295	+++++	+++++
	29 1,1-Dichloropropene	7.176	7.176	7.176	7.176	7.166	7.166	7.176	7.166	7.176	6.870-7.481	7.172	0.005
$	31 d4-1,2-Dichloroethane	7.306	7.306	7.306	7.306	7.296	7.296	7.306	7.296	7.306	7.041-7.571	7.303	0.005
	30 Carbon Tetrachloride	7.296	7.296	7.286	7.286	7.286	7.286	7.286	7.286	7.296	6.991-7.602	7.289	0.005
	32 1,2-Dichloroethane	7.397	7.397	7.397	7.387	7.387	7.387	7.387	7.387	7.397	7.091-7.702	7.391	0.005
	33 Benzene	7.447	7.447	7.447	7.437	7.437	7.437	7.437	7.427	7.447	7.141-7.752	7.439	0.007
	180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.687	6.422-6.952	+++++	+++++
*	34 1,4-Difluorobenzene	7.638	7.638	7.638	7.628	7.628	7.628	7.628	7.628	7.638	7.332-7.944	7.632	0.005
	35 Trichloroethene	8.010	8.010	8.010	8.000	8.000	8.000	8.010	8.000	8.010	7.704-8.315	8.005	0.005
	36 1,2-Dichloropropane	8.171	8.171	8.171	8.171	8.161	8.161	8.161	8.161	8.171	7.865-8.476	8.166	0.005

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	38 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.887	8.622-9.152	+++++	+++++
	37 Bromodichloromethane	8.412	8.402	8.402	8.402	8.402	8.392	8.402	8.392	8.412	8.106-8.717	8.401	0.006
	39 Dibromomethane	8.472	8.472	8.472	8.472	8.472	8.462	8.472	8.462	8.472	8.167-8.778	8.470	0.005
	40 2-Chloroethyl Vinyl Et	8.623	8.623	8.623	8.613	8.613	8.613	8.613	8.613	8.623	8.317-8.928	8.617	0.005
	41 4-Methyl-2-Pentanone	8.663	8.653	8.653	8.653	8.653	8.643	8.653	8.643	8.663	8.357-8.969	8.652	0.006
	42 Cis 1,3-dichloropropen	8.914	8.914	8.904	8.904	8.904	8.904	8.904	8.894	8.914	8.609-9.220	8.906	0.006
	28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.337	7.072-7.602	+++++	+++++
$	43 d8-Toluene	9.186	9.186	9.186	9.186	9.176	9.176	9.186	9.176	9.186	8.880-9.491	9.182	0.005
	44 Toluene	9.276	9.266	9.266	9.266	9.266	9.256	9.266	9.256	9.276	8.971-9.582	9.265	0.006
	45 Trans 1,3-Dichloroprop	9.407	9.397	9.397	9.397	9.397	9.387	9.397	9.387	9.407	9.101-9.712	9.395	0.006
	46 2-Hexanone	9.537	9.537	9.527	9.527	9.527	9.527	9.527	9.527	9.537	9.106-9.969	9.530	0.005
	47 1,1,2-Trichloroethane	9.588	9.578	9.578	9.578	9.578	9.578	9.578	9.568	9.588	9.282-9.893	9.578	0.005
	48 1,3-Dichloropropane	9.839	9.839	9.839	9.839	9.829	9.829	9.839	9.829	9.839	9.407-10.270	9.835	0.005
	49 Tetrachloroethene	9.960	9.960	9.960	9.960	9.949	9.949	9.960	9.949	9.960	9.528-10.391	9.956	0.005
	50 Chlorodibromomethane	10.171	10.171	10.161	10.161	10.161	10.161	10.161	10.161	10.171	9.739-10.602	10.163	0.005
	51 1,2-Dibromoethane	10.392	10.392	10.392	10.392	10.382	10.382	10.382	10.382	10.392	10.086-10.697	10.387	0.005
*	52 d5-Chlorobenzene	10.794	10.784	10.784	10.784	10.784	10.784	10.784	10.774	10.794	10.362-11.225	10.784	0.005
	53 Chlorobenzene	10.834	10.834	10.824	10.824	10.824	10.824	10.824	10.814	10.834	10.402-11.266	10.825	0.006
	55 1,1,1,2-Tetrachloroeth	10.864	10.854	10.854	10.854	10.844	10.844	10.854	10.844	10.864	10.432-11.296	10.851	0.007
	54 Ethyl Benzene	10.864	10.864	10.864	10.854	10.854	10.854	10.854	10.854	10.864	10.432-11.296	10.858	0.005
	56 m,p-xylene	10.944	10.944	10.944	10.934	10.934	10.934	10.934	10.934	10.944	10.512-11.376	10.938	0.005
	57 o-Xylene	11.437	11.437	11.427	11.427	11.427	11.427	11.427	11.417	11.437	11.005-11.869	11.428	0.006
	58 Styrene	11.467	11.467	11.457	11.457	11.457	11.457	11.457	11.447	11.467	11.035-11.899	11.458	0.006
	59 Isopropyl Benzene	11.819	11.809	11.809	11.809	11.809	11.799	11.809	11.799	11.819	11.280-12.357	11.807	0.006

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	60 Bromoform	11.879	11.869	11.869	11.869	11.869	11.859	11.869	11.859	11.879	11.340-12.418	11.868	0.006
	61 1,1,2,2-Tetrachloroeth	11.990	11.990	11.990	11.990	11.980	11.980	11.990	11.980	11.990	11.451-12.528	11.986	0.005
$	62 4-Bromofluorobenzene	12.110	12.110	12.110	12.100	12.100	12.100	12.100	12.100	12.110	11.678-12.542	12.104	0.005
	63 1,2,3-Trichloropropane	12.160	12.160	12.160	12.150	12.150	12.150	12.150	12.150	12.160	11.622-12.699	12.154	0.005
	65 Trans-1,4-Dichloro 2-B	12.211	12.211	12.211	12.211	12.201	12.201	12.201	12.191	12.211	11.672-12.749	12.204	0.007
	66 N-Propyl Benzene	12.271	12.271	12.261	12.261	12.261	12.261	12.261	12.251	12.271	11.732-12.810	12.262	0.006
	67 Bromobenzene	12.361	12.351	12.351	12.351	12.351	12.341	12.351	12.341	12.361	11.823-12.900	12.350	0.006
	68 1,3,5-Trimethyl Benzen	12.442	12.442	12.432	12.432	12.432	12.432	12.432	12.422	12.442	11.903-12.980	12.433	0.006
	69 2-Chloro Toluene	12.502	12.502	12.492	12.492	12.492	12.492	12.492	12.482	12.502	11.963-13.041	12.493	0.006
	70 4-Chloro Toluene	12.552	12.542	12.542	12.532	12.532	12.532	12.532	12.532	12.552	12.014-13.091	12.537	0.008
	71 T-Butyl Benzene	12.854	12.854	12.844	12.844	12.844	12.844	12.844	12.834	12.854	12.315-13.392	12.845	0.006
	72 1,2,4-Trimethylbenzene	12.904	12.894	12.894	12.894	12.894	12.884	12.894	12.884	12.904	12.365-13.443	12.893	0.006
	73 S-Butyl Benzene	13.095	13.095	13.095	13.095	13.085	13.085	13.085	13.085	13.095	12.556-13.634	13.090	0.005
	74 4-Isopropyl Toluene	13.246	13.246	13.236	13.236	13.236	13.236	13.236	13.226	13.246	12.707-13.784	13.237	0.006
	75 1,3-Dichlorobenzene	13.397	13.387	13.387	13.387	13.387	13.377	13.387	13.377	13.397	12.858-13.935	13.385	0.006
	64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.768	13.336-14.200	+++++	+++++
*	76 d4-1,4-Dichlorobenzene	13.467	13.467	13.467	13.467	13.457	13.457	13.467	13.457	13.467	12.928-14.006	13.463	0.005
	77 1,4-Dichlorobenzene	13.507	13.507	13.507	13.497	13.497	13.497	13.497	13.497	13.507	12.968-14.046	13.501	0.005
	178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.100	13.561-14.639	+++++	+++++
	78 N-Butyl Benzene	13.728	13.718	13.718	13.718	13.708	13.708	13.718	13.708	13.728	13.190-14.267	13.716	0.007
$	79 d4-1,2-Dichlorobenzene	13.919	13.909	13.909	13.909	13.909	13.909	13.909	13.899	13.919	13.380-14.458	13.909	0.005
	80 1,2-Dichlorobenzene	13.949	13.949	13.949	13.939	13.939	13.939	13.939	13.929	13.949	13.411-14.488	13.942	0.007
	81 1,2-Dibromo 3-Chloropr	14.854	14.854	14.844	14.844	14.844	14.844	14.844	14.834	14.854	14.315-15.393	14.845	0.006

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
82 1,2,4-Trichlorobenzene	15.899	15.899	15.899	15.889	15.889	15.889	15.889	15.889	15.899	15.360-16.438	15.893	0.005
83 Hexachloro 1,3-Butadie	16.050	16.050	16.050	16.050	16.040	16.040	16.040	16.040	16.050	15.511-16.588	16.045	0.005
84 Naphthalene	16.231	16.221	16.221	16.221	16.221	16.211	16.221	16.211	16.231	15.692-16.769	16.219	0.006
85 1,2,3-Trichlorobenzene	16.512	16.512	16.512	16.512	16.502	16.502	16.502	16.492	16.512	15.973-17.051	16.506	0.007

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0010723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD001
Inj Date : 23-JUL-2010 20:28
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 20:28 Cal File: 0010723.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	2.995	2.995	(0.453)	1408	1.00000	0.9540
2 Chloromethane	50	3.296	3.296	(0.498)	4906	1.00000	1.236
3 Vinyl Chloride	62	3.417	3.417	(0.517)	3458	1.00000	1.101
4 Bromomethane	94	3.899	3.899	(0.590)	2127	1.00000	1.247
5 Chloroethane	64	3.970	3.970	(0.600)	2437	1.00000	1.188
6 Trichlorofluoromethane	101	4.231	4.231	(0.640)	3360	1.00000	1.107
7 Acrolein	56	4.623	4.623	(0.699)	2329	5.00000	6.152
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.701)	2901	1.00000	1.221
9 Acetone	43	4.673	4.673	(0.707)	3505	5.00000	5.503(M)
10 1,1-Dichloroethene	96	4.834	4.834	(0.731)	2358	1.00000	1.094
11 Bromoethane	108	5.055	5.055	(0.764)	1610	1.00000	1.008
12 Iodomethane	142	5.146	5.146	(0.778)	2301	1.00000	0.9027
13 Methylene Chloride	84	5.266	5.266	(0.796)	3788	1.00000	1.560
14 Acrylonitrile	53	5.347	5.347	(0.808)	446	1.00000	0.7931(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.387	5.387	(0.815)	3168	1.00000	0.9555(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.812)	7676	1.00000	1.148(Q)
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.839)	1855	1.00000	1.010
	18 Vinyl Acetate	43	5.869	5.869	(0.888)	3138	1.00000	0.9751
	19 1,1-Dichloroethane	63	5.929	5.929	(0.897)	3627	1.00000	1.073
	20 2-Butanone	43	6.271	6.271	(0.948)	3717	5.00000	5.186(T)
	21 2,2-Dichloropropane	77	6.442	6.442	(0.974)	2020	1.00000	0.9766
	22 Cis-1,2-Dichloroethene	96	6.482	6.482	(0.980)	1600	1.00000	0.9880
*	23 Pentafluorobenzene	168	6.613	6.613	(1.000)	113813	50.0000	
	24 Chloroform	83	6.633	6.633	(1.003)	2843	1.00000	1.035(Q)
	26 Bromochloromethane	128	6.794	6.794	(1.027)	686	1.00000	0.8922(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.033)	73863	50.0000	54.452(Q)
	27 1,1,1-Trichloroethane	97	7.015	7.015	(1.061)	2223	1.00000	1.041(M)
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	2255	1.00000	0.9864
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	1957	1.00000	0.9844
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.103)	81673	50.0000	55.025
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	1923	1.00000	0.9582
	33 Benzene	78	7.427	7.427	(0.974)	5924	1.00000	1.072
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	168346	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	1468	1.00000	0.9064
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	1766	1.00000	1.013
	37 Bromodichloromethane	83	8.392	8.392	(1.100)	1755	1.00000	0.9420
	39 Dibromomethane	93	8.462	8.462	(1.109)	852	1.00000	0.9849
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	404	1.00000	0.6620(Q)
	41 4-Methyl-2-Pentanone	58	8.643	8.643	(1.133)	2382	5.00000	5.352(Q)
	42 Cis 1,3-dichloropropene	75	8.894	8.894	(1.166)	1694	1.00000	0.8328
$	43 d8-Toluene	98	9.176	9.176	(1.203)	189101	50.0000	51.122
	44 Toluene	92	9.256	9.256	(1.213)	4231	1.00000	1.290
	45 Trans 1,3-Dichloropropene	75	9.387	9.387	(1.231)	1503	1.00000	0.8790(Q)
	46 2-Hexanone	43	9.527	9.527	(0.884)	6953	5.00000	5.978(M)
	47 1,1,2-Trichloroethane	97	9.568	9.568	(1.254)	905	1.00000	0.8863
	48 1,3-Dichloropropane	76	9.829	9.829	(0.912)	1945	1.00000	0.9712
	49 Tetrachloroethene	166	9.949	9.949	(0.924)	1755	1.00000	1.110
	50 Chlorodibromomethane	129	10.161	10.161	(0.943)	1215	1.00000	0.9018
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	1013	1.00000	0.9262(T)
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	142296	50.0000	
	53 Chlorobenzene	112	10.814	10.814	(1.004)	4123	1.00000	1.235
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	6269	1.00000	1.111
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.007)	1389	1.00000	1.087
	56 m,p-xylene	106	10.934	10.934	(1.015)	3903	2.00000	1.892(Q)
	57 o-Xylene	106	11.417	11.417	(1.060)	1700	1.00000	0.7929(Q)
	58 Styrene	104	11.447	11.447	(1.062)	2884	1.00000	0.8700
	59 Isopropyl Benzene	105	11.799	11.799	(0.877)	5129	1.00000	1.064
	60 Bromoform	173	11.859	11.859	(0.881)	842	1.00000	1.086
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	1717	1.00000	1.233(M)
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.123)	78200	50.0000	46.957
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	282	1.00000	1.022(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.191	12.191	(0.906)	407	1.00000	0.9508 (QM)
	66 N-Propyl Benzene	91	12.251	12.251	(0.910)	6239	1.00000	1.002
	67 Bromobenzene	156	12.341	12.341	(0.917)	1399	1.00000	1.041
	68 1,3,5-Trimethyl Benzene	105	12.422	12.422	(0.923)	3814	1.00000	0.9746
	69 2-Chloro Toluene	91	12.482	12.482	(0.928)	4473	1.00000	1.094
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	3761	1.00000	0.9595
	71 T-Butyl Benzene	119	12.834	12.834	(0.954)	3230	1.00000	0.9648
	72 1,2,4-Trimethylbenzene	105	12.884	12.884	(0.957)	3492	1.00000	0.9064
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	5229	1.00000	0.9494
	74 4-Isopropyl Toluene	119	13.226	13.226	(0.983)	3188	1.00000	0.8436
	75 1,3-Dichlorobenzene	146	13.377	13.377	(0.994)	2237	1.00000	0.9743
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	71616	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	2370	1.00000	1.032 (Q)
	78 N-Butyl Benzene	91	13.708	13.708	(1.019)	4025	1.00000	0.9863
$	79 d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	66535	50.0000	51.077
	80 1,2-Dichlorobenzene	146	13.929	13.929	(1.035)	2202	1.00000	1.009
	81 1,2-Dibromo 3-Chloropropane	75	14.834	14.834	(1.102)	218	1.00000	0.9046 (Q)
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	1382	1.00000	1.041
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	838	1.00000	0.9370
	84 Naphthalene	128	16.211	16.211	(1.205)	2458	1.00000	1.020
	85 1,2,3-Trichlorobenzene	180	16.492	16.492	(1.226)	1376	1.00000	1.084

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0010723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD001
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	113813	-13.20
34 1,4-Difluorobenze	191559	95780	383118	168346	-12.12
52 d5-Chlorobenzene	161199	80600	322398	142296	-11.73
76 d4-1,4-Dichlorobe	88279	44140	176558	71616	-18.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.61	-0.15
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.77	-0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

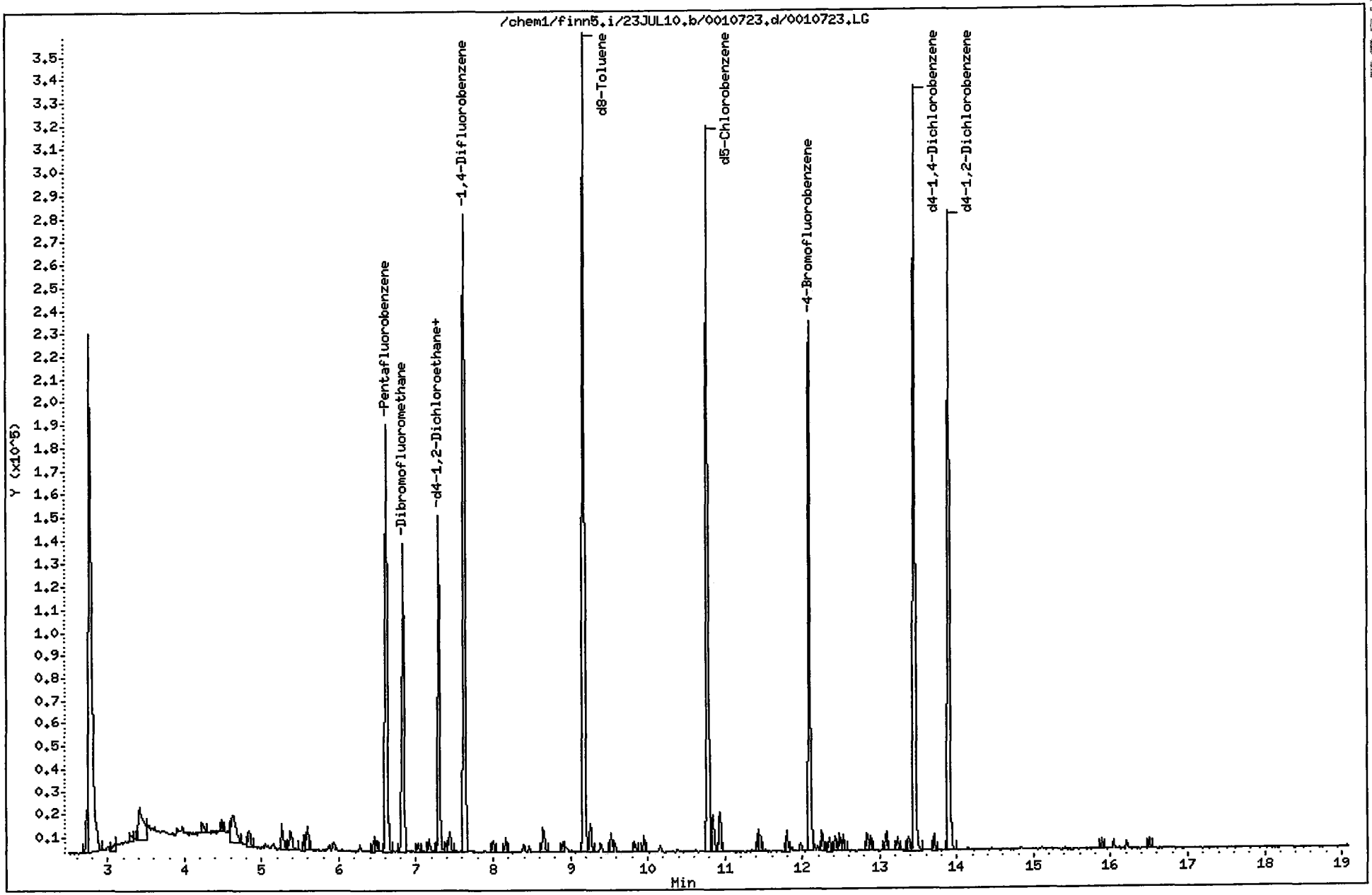
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0010723.d
Date : 23-JUL-2010 20:28
Client ID: VSTD001
Sample Info: IC0723,5,5,0

Instrument: finn5.i

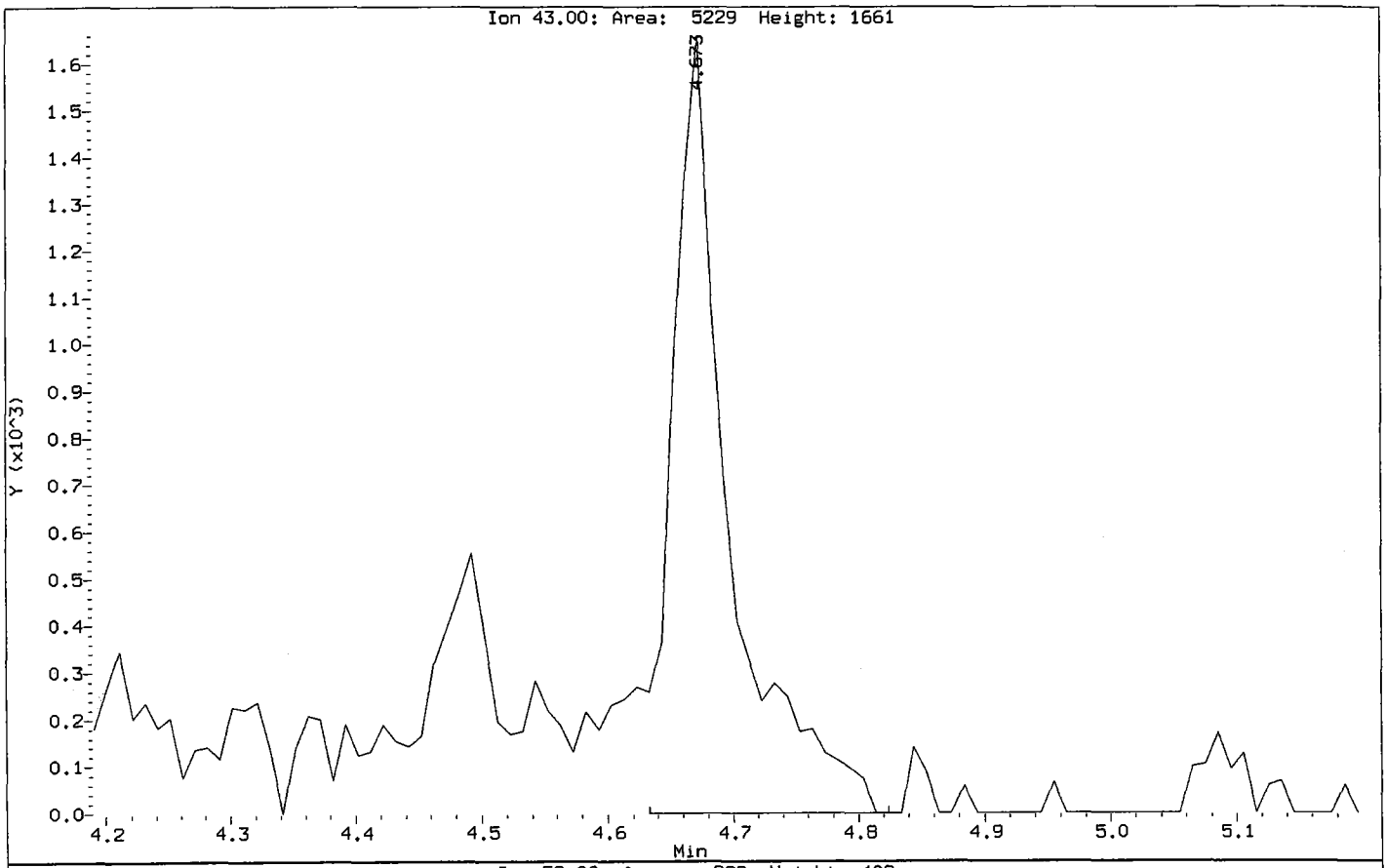
Operator: PB
Column diameter: 0.18

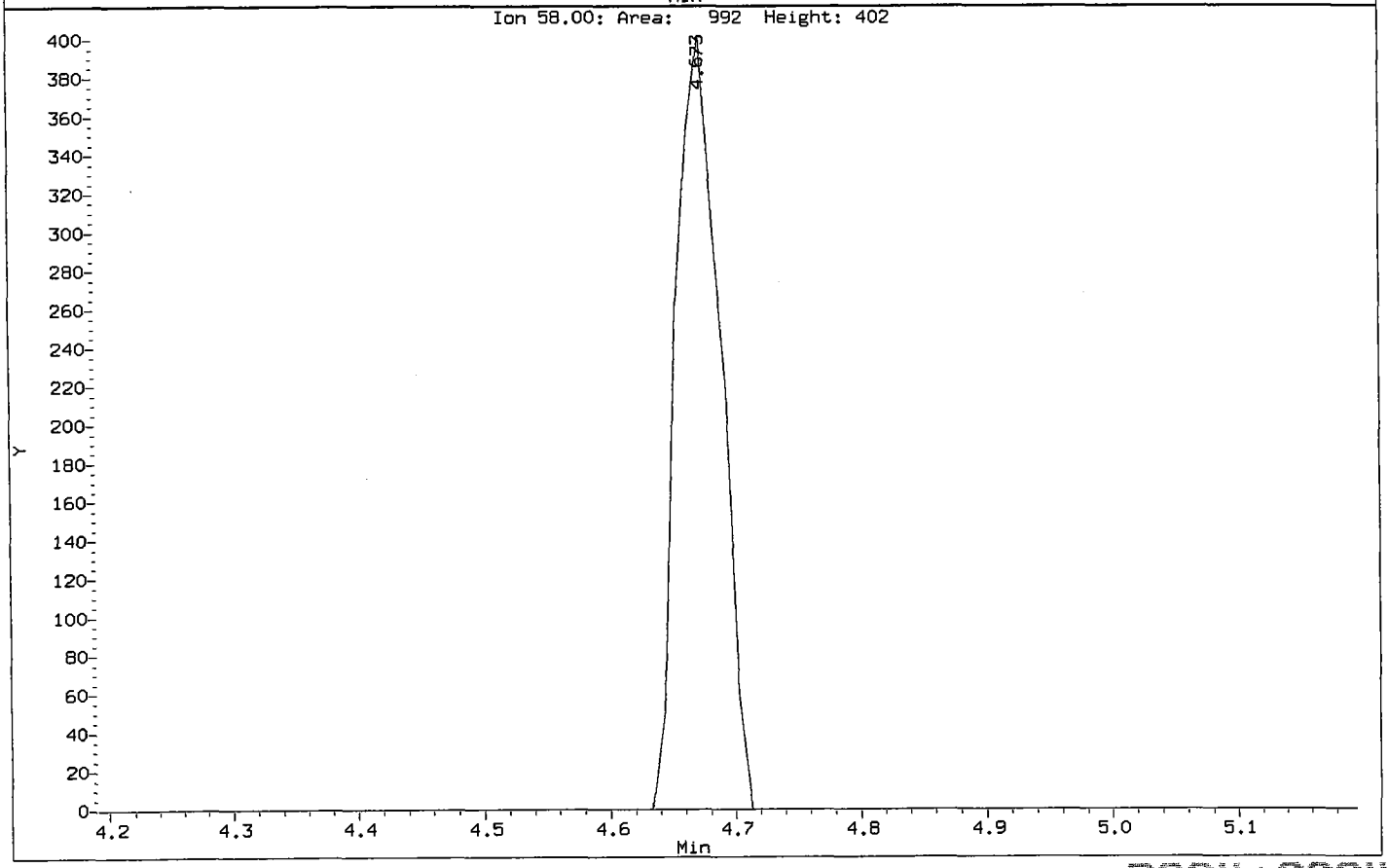
Column phase: Rtx502.2



Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

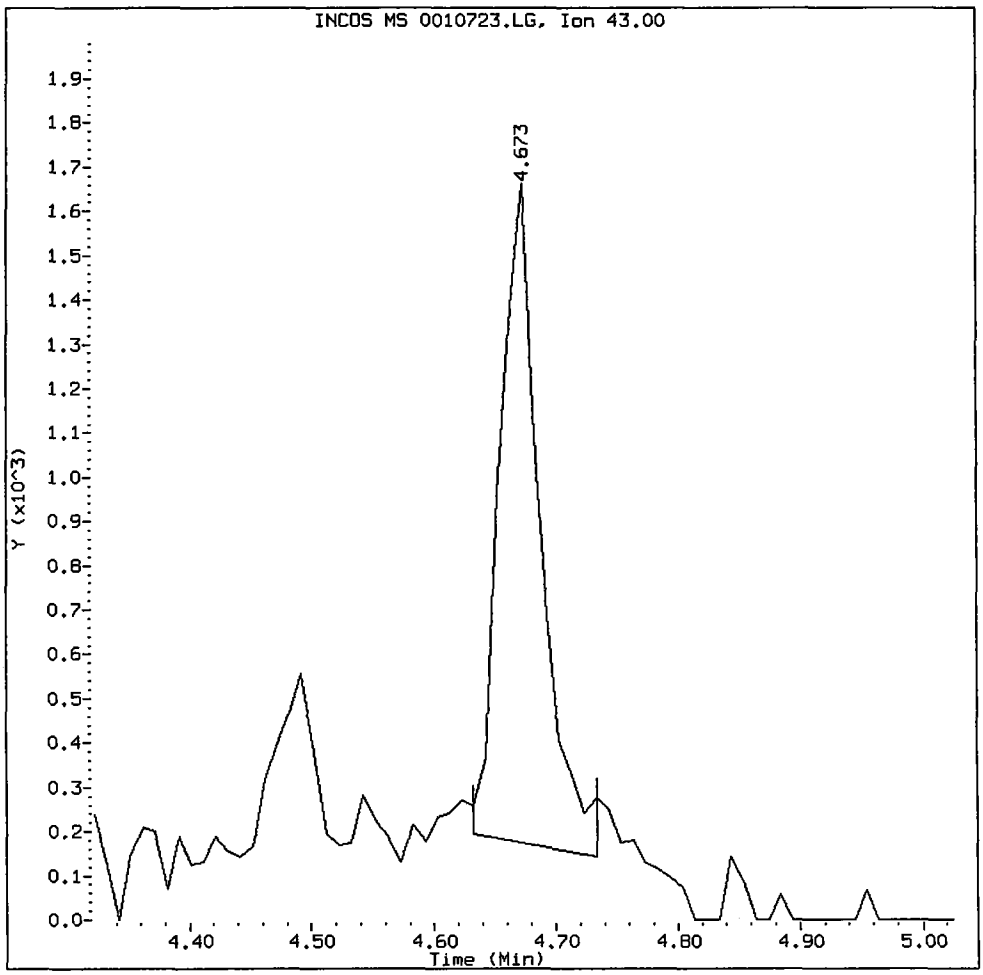
Compound: Acetone
CAS Number:





IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

Acetone Amount: 5.50 Area: 3505



MANUAL INTEGRATION for Acetone

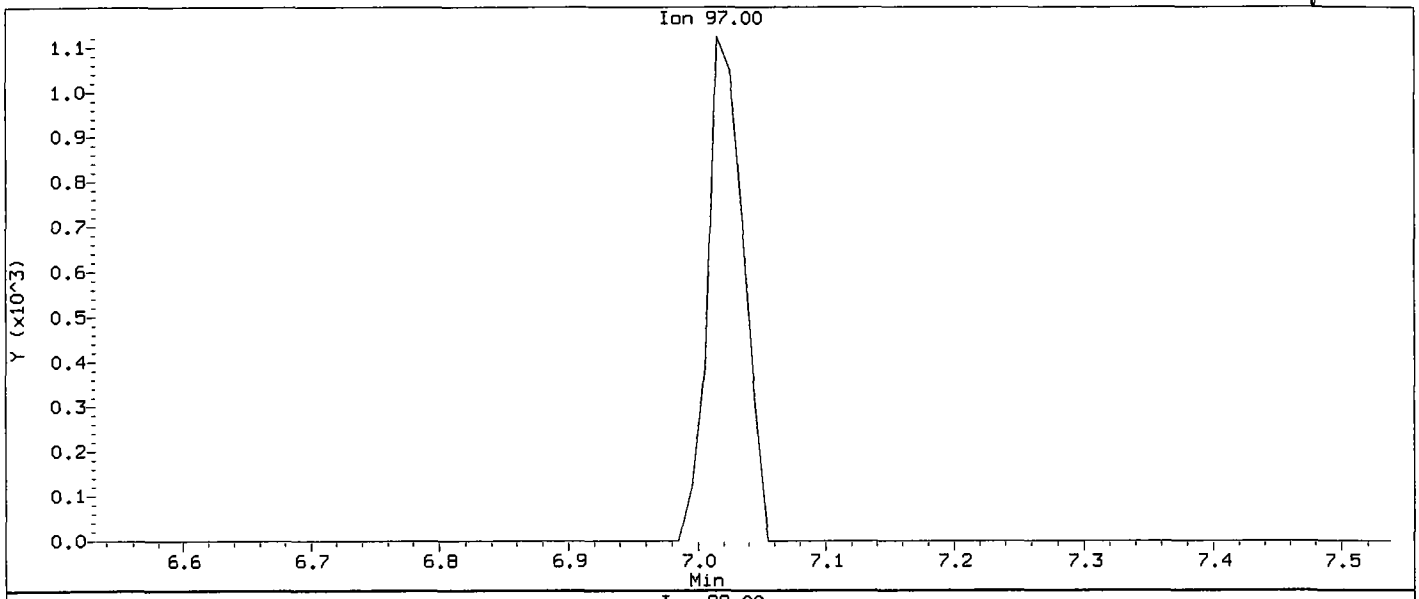
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

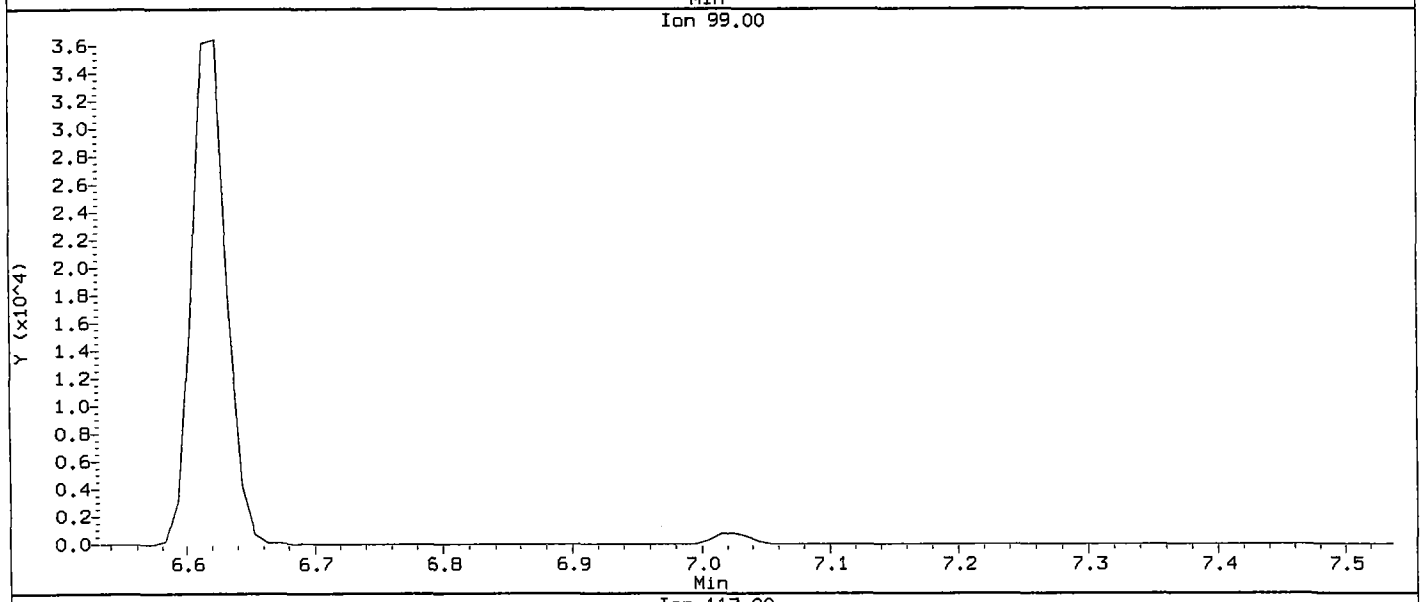
5. Other _____

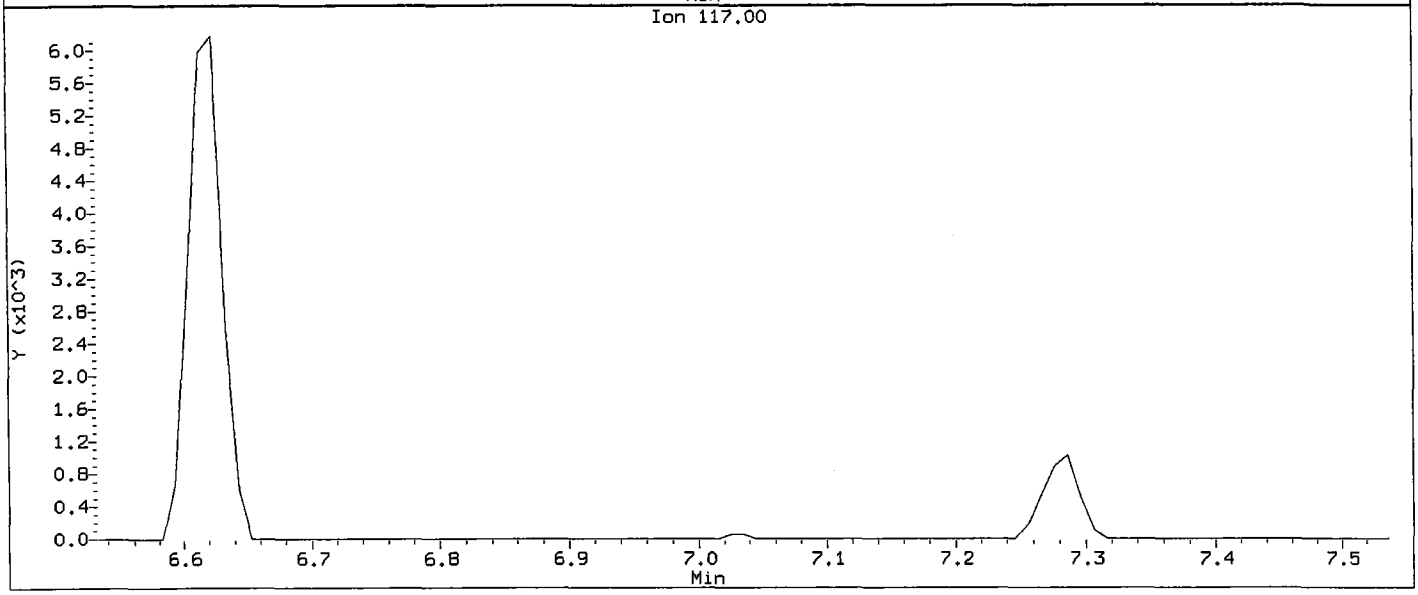
Analyst: _____ Date: 7/2010

Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 1,1,1-Trichloroethane
CAS Number:

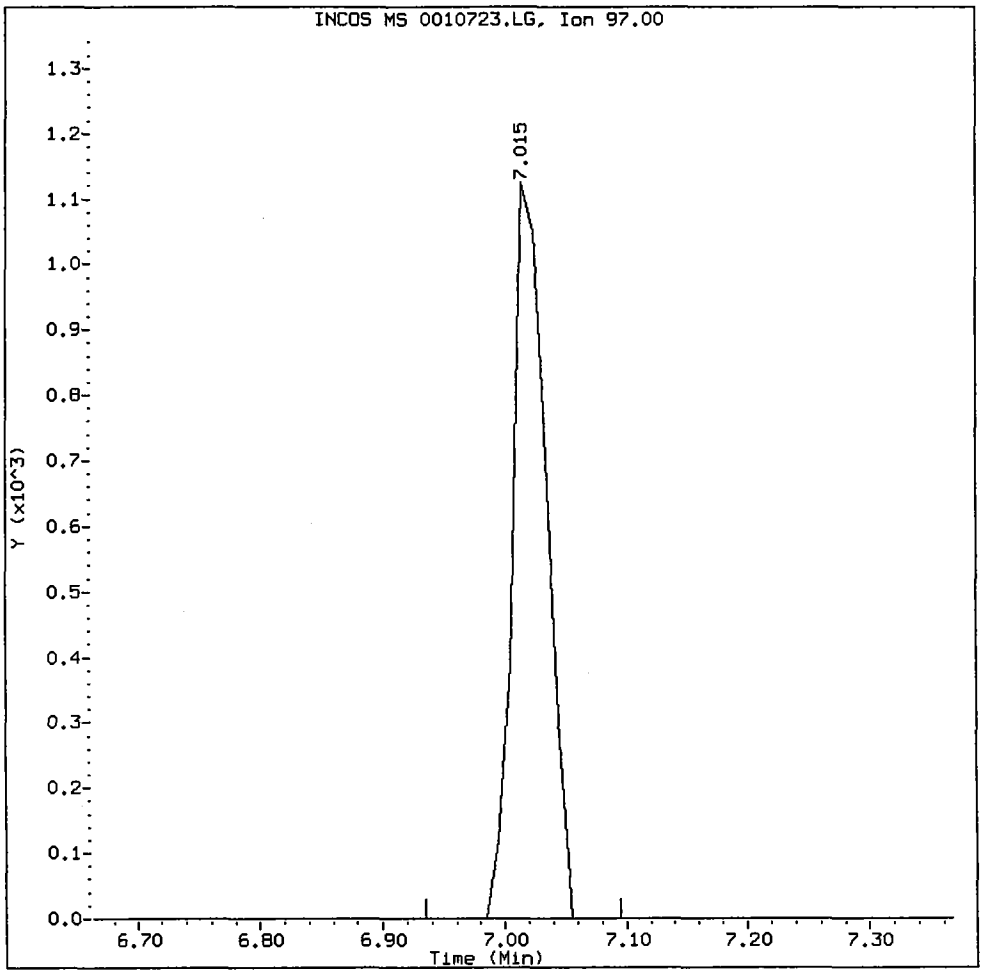






IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,1,1-Trichloroethane Amount: 1.04 Area: 2223



MANUAL INTEGRATION for 1,1,1-Trichloroethane

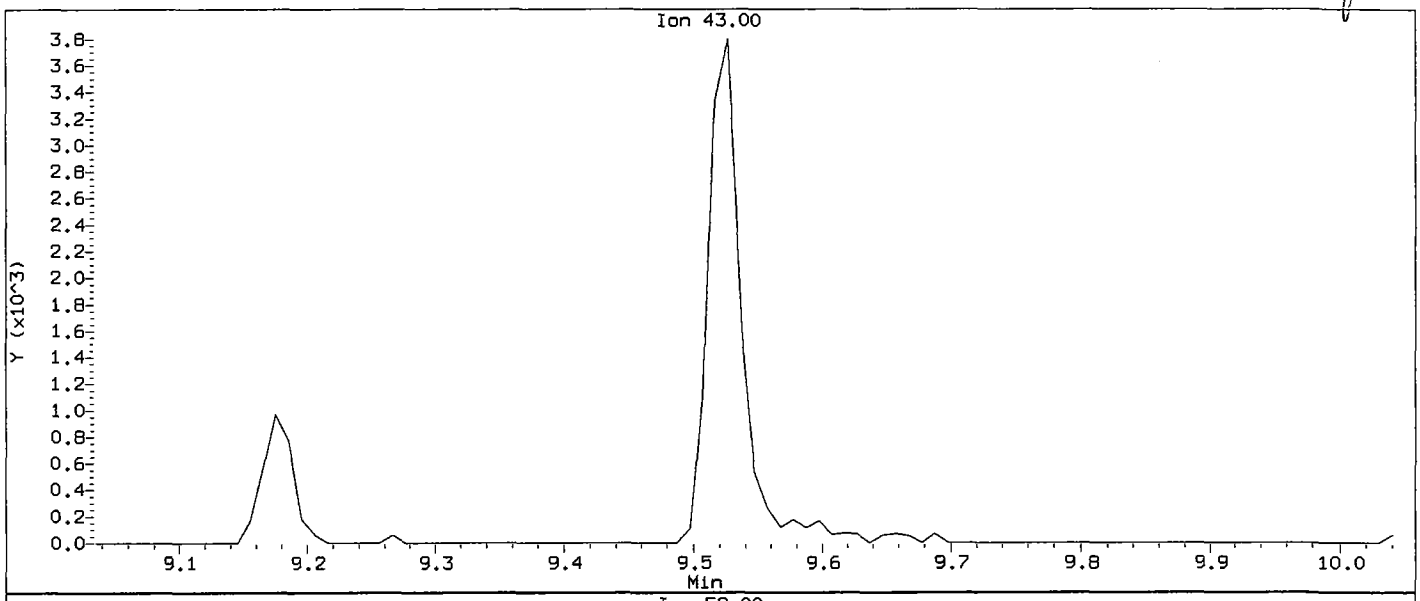
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

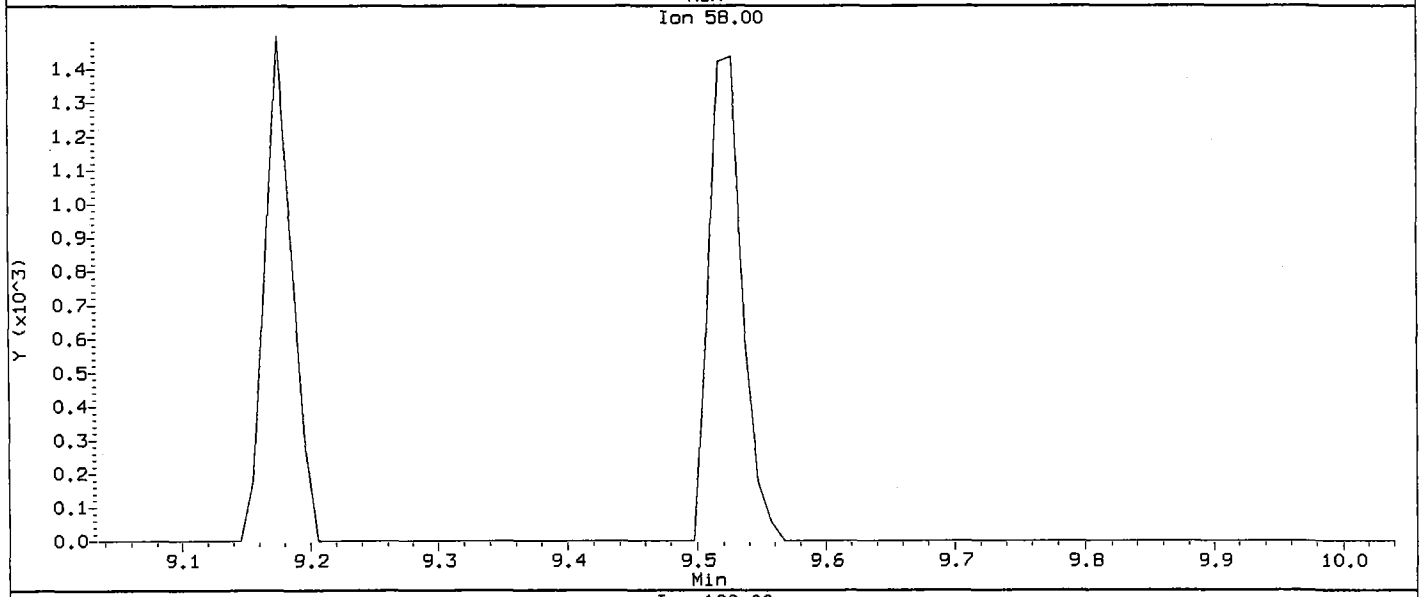
5. Other _____

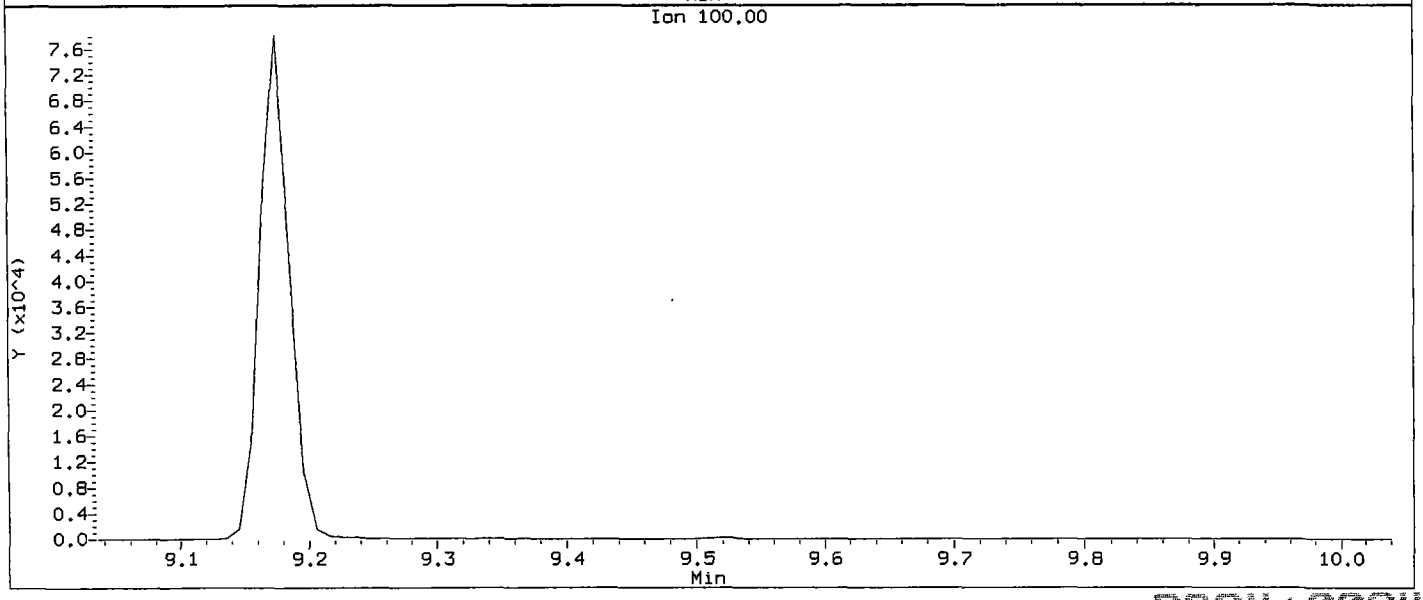
Analyst: _____ Date: 7/12/10

Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 2-Hexanone
CAS Number:

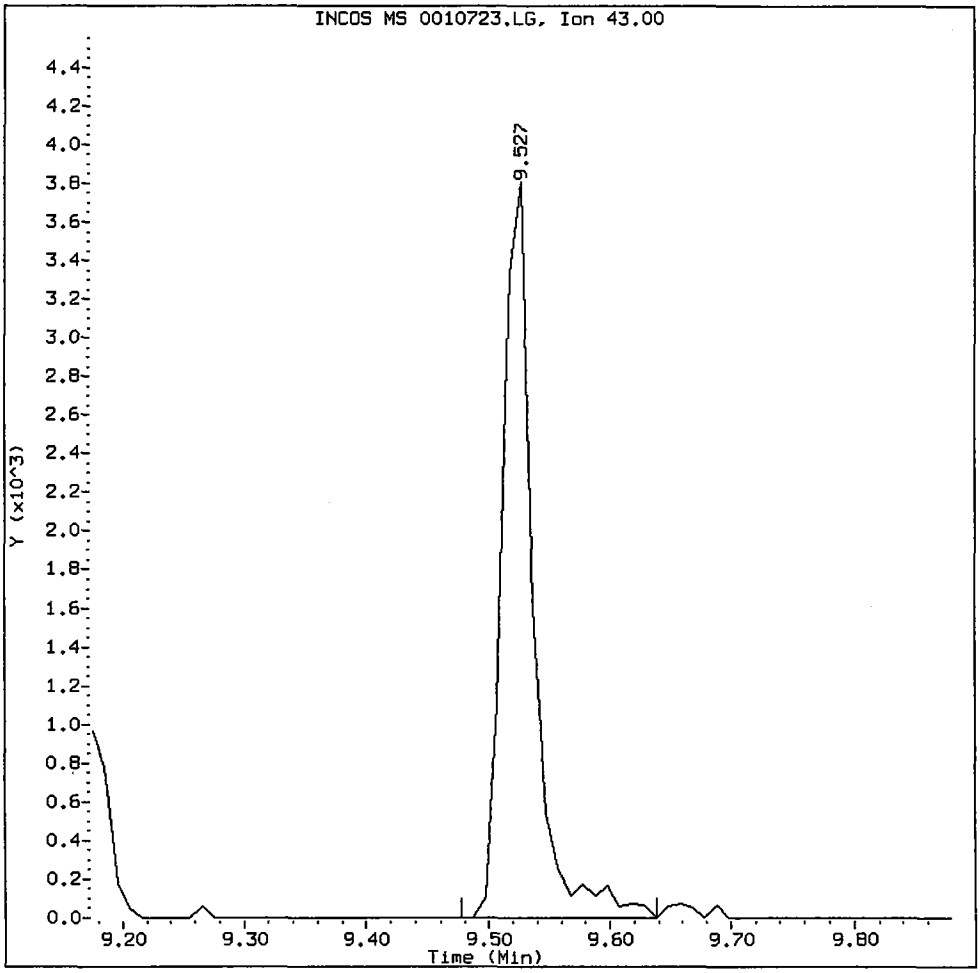






IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

2-Hexanone Amount: 5.98 Area: 6953



MANUAL INTEGRATION for 2-Hexanone

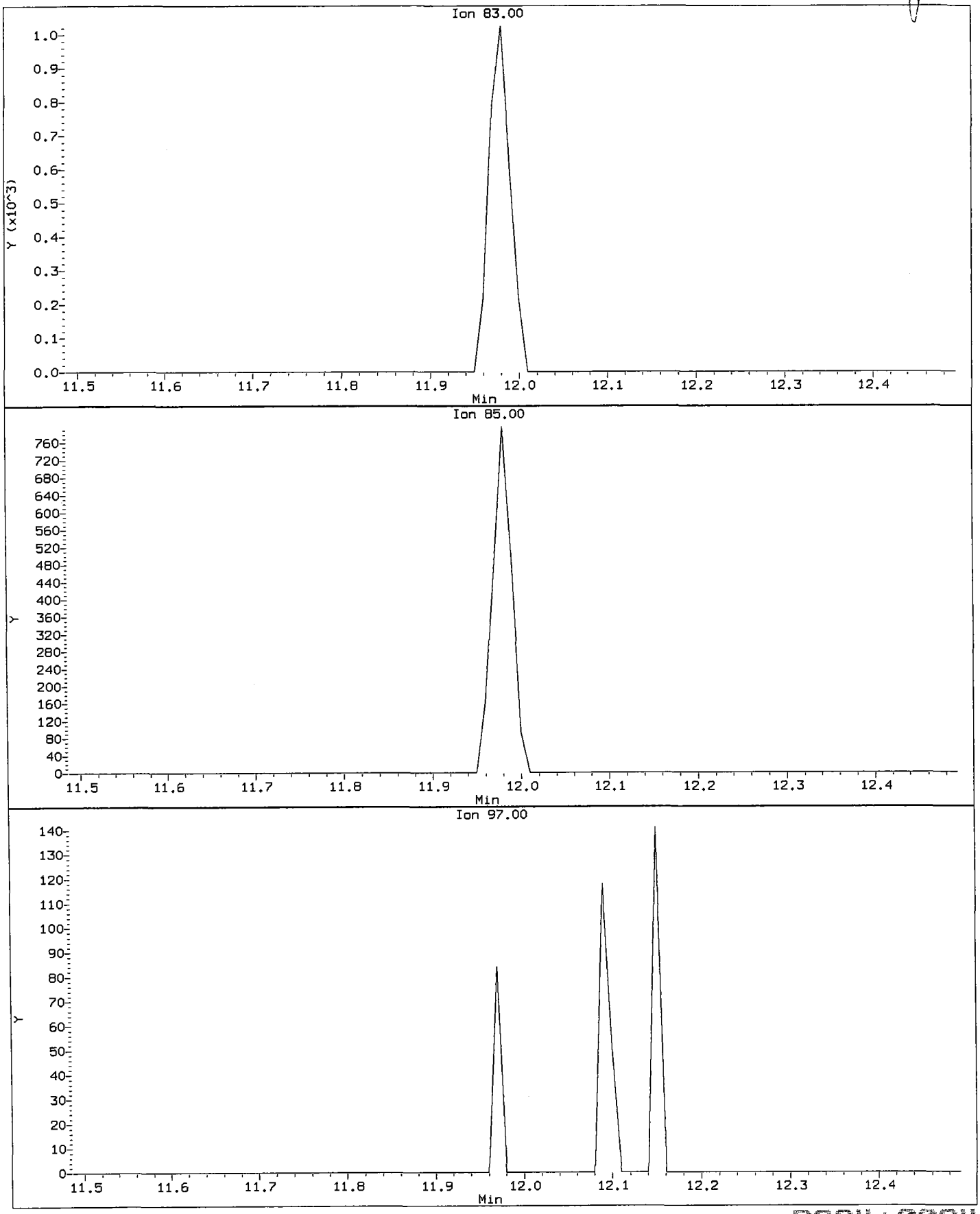
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/28/10

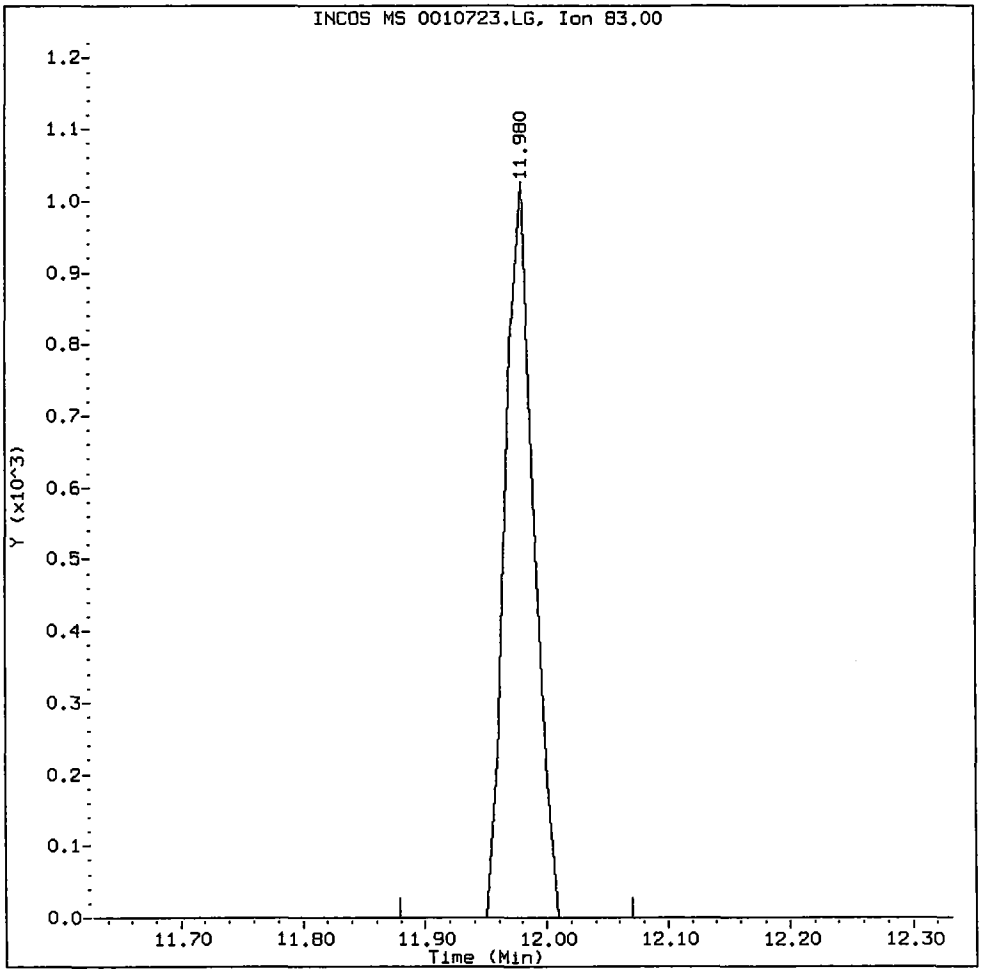
Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 1,1,2,2-Tetrachloroethane
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,1,2,2-Tetrachloroethane Amount: 1.23 Area: 1717



MANUAL INTEGRATION for 1,1,2,2-Tetrachloroethane

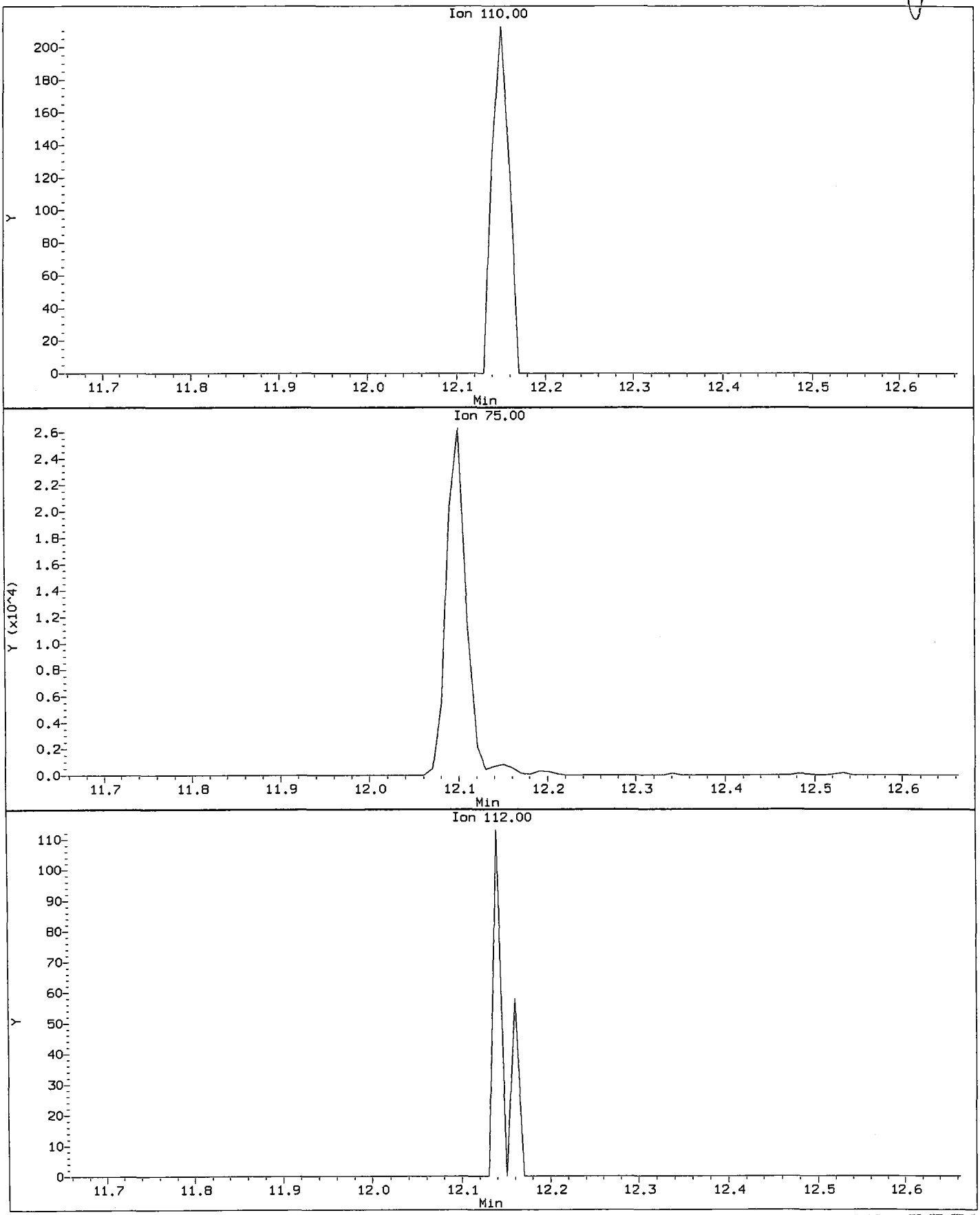
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 2/24/10

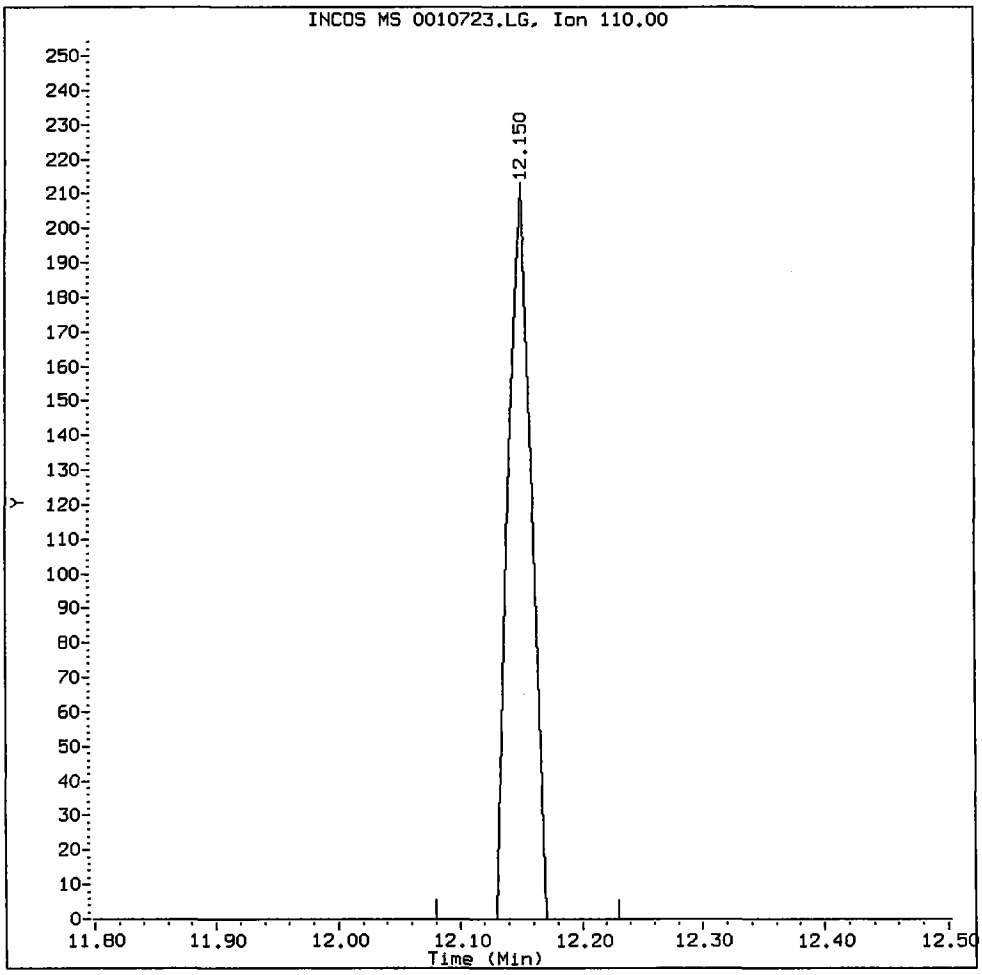
Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 1,2,3-Trichloropropane
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,2,3-Trichloropropane Amount: 1.02 Area: 282



MANUAL INTEGRATION for 1,2,3-Trichloropropane

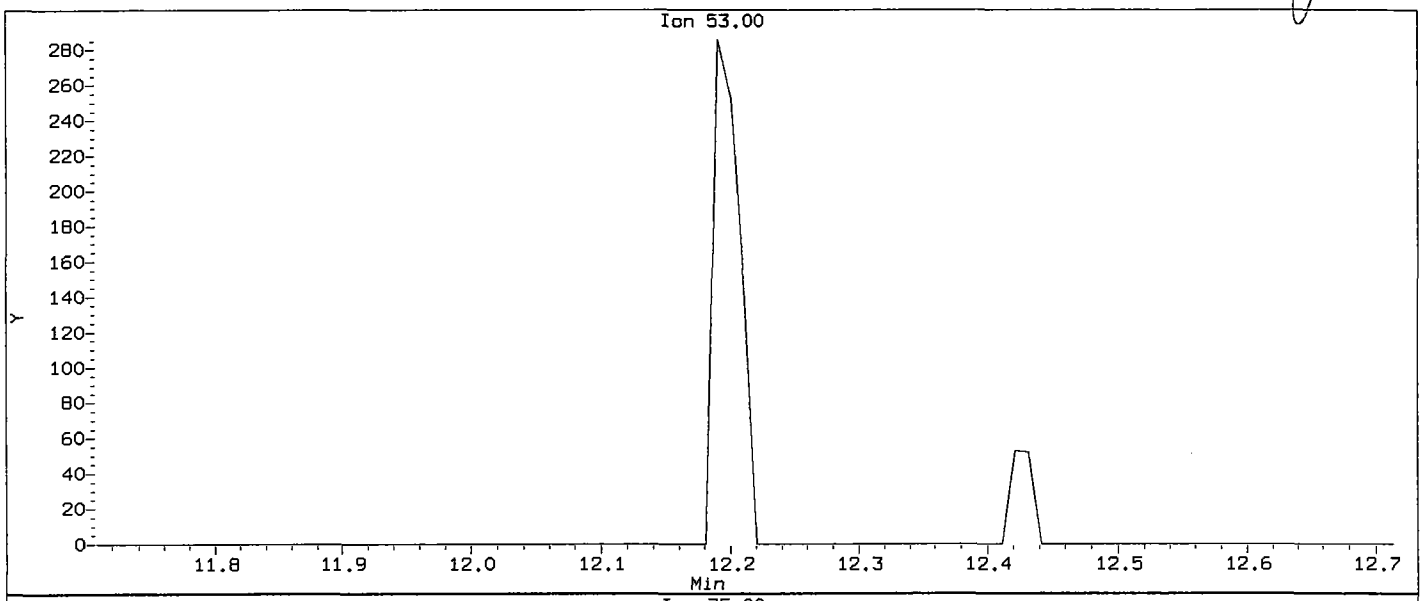
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

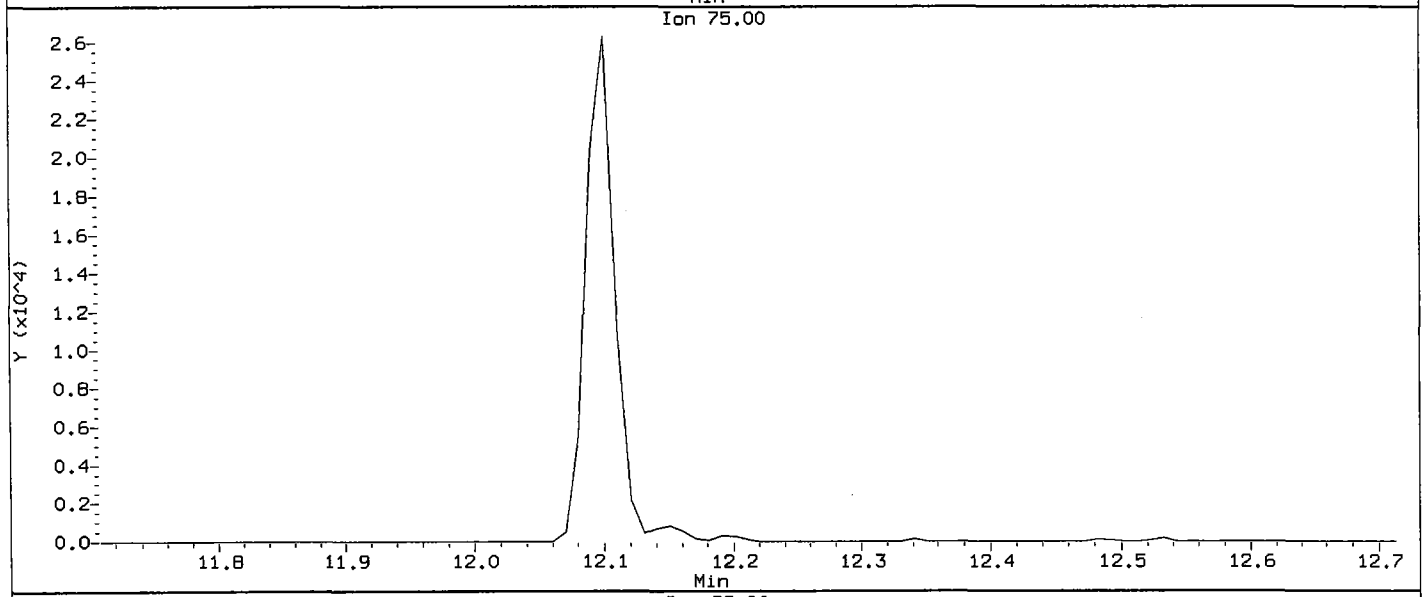
5. Other _____

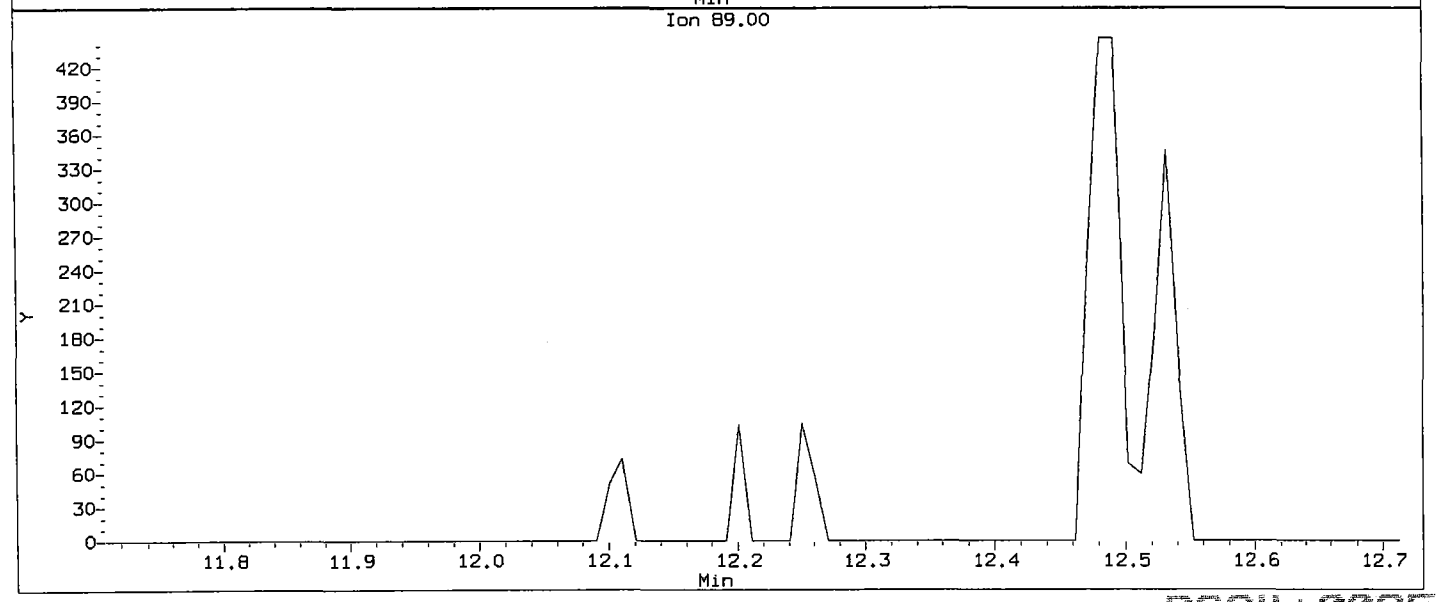
Analyst: _____ Date: 7/26/10

Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: Trans-1,4-Dichloro 2-Butene
CAS Number:

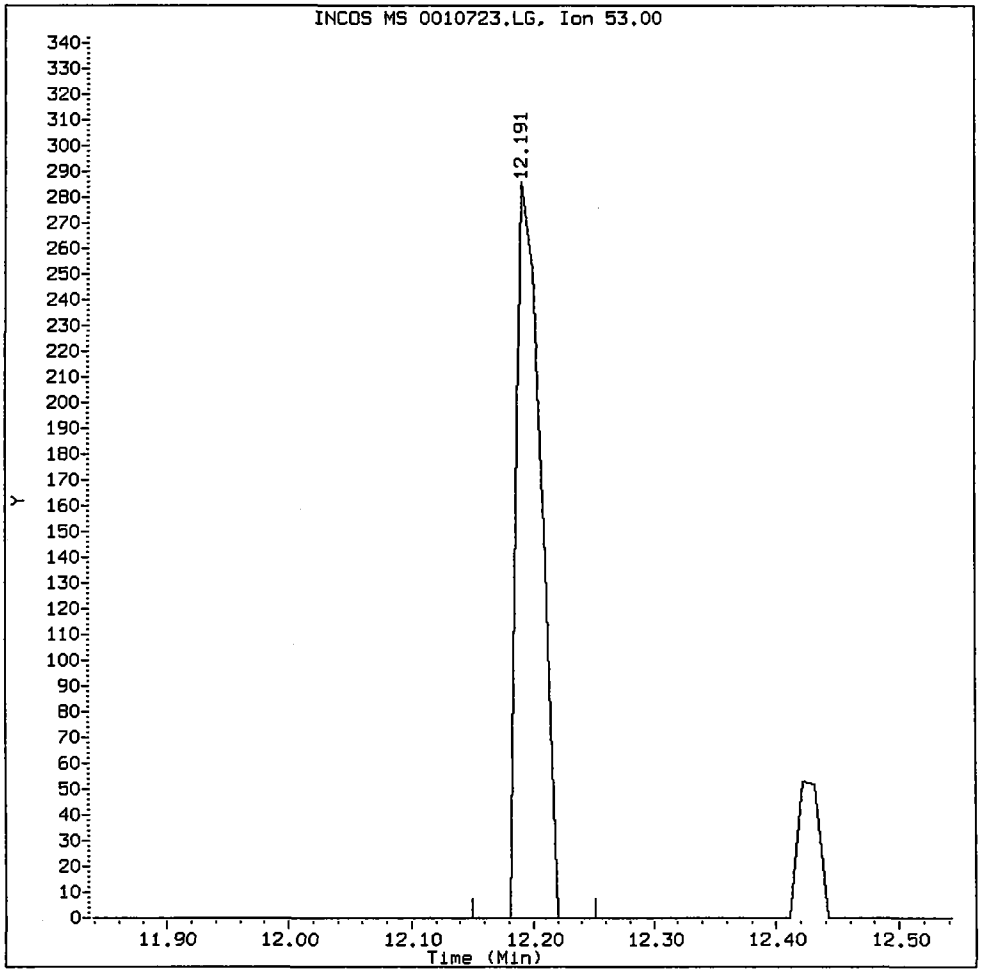






IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

Trans-1,4-Dichloro 2-Butene Amount: 0.95 Area: 407



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/28/10

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0020723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD002
Inj Date : 23-JUL-2010 20:02
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 20:02 Cal File: 0020723.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	3205	2.00000	2.133
2 Chloromethane	50	3.306	3.306	(0.499)	9090	2.00000	2.249
3 Vinyl Chloride	62	3.427	3.427	(0.517)	6731	2.00000	2.106(Q)
4 Bromomethane	94	3.909	3.909	(0.590)	3943	2.00000	2.272
5 Chloroethane	64	3.980	3.980	(0.601)	5065	2.00000	2.426
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	7223	2.00000	2.338
7 Acrolein	56	4.623	4.623	(0.698)	4563	10.0000	11.841
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	5478	2.00000	2.265
9 Acetone	43	4.673	4.673	(0.706)	7408	10.0000	11.426(M)
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	4722	2.00000	2.152
11 Bromoethane	108	5.055	5.055	(0.763)	3446	2.00000	2.120
12 Iodomethane	142	5.156	5.156	(0.778)	4941	2.00000	1.904
13 Methylene Chloride	84	5.266	5.266	(0.795)	6472	2.00000	2.619
14 Acrylonitrile	53	5.347	5.347	(0.807)	1125	2.00000	1.965(Q)

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	6868	2.00000	2.035(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	15337	2.00000	2.253(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	3823	2.00000	2.044
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	6836	2.00000	2.087
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	7309	2.00000	2.124
	20 2-Butanone	43	6.281	6.281	(0.948)	7636	10.0000	10.467
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	4155	2.00000	1.974
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	3254	2.00000	1.974
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	115854	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	6004	2.00000	2.148(Q)
	26 Bromochloromethane	128	6.804	6.804	(1.027)	1497	2.00000	1.913(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	72845	50.0000	52.755(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	4331	2.00000	1.992
	29 1,1-Dichloropropene	75	7.176	7.176	(0.941)	4580	2.00000	2.033
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	4142	2.00000	2.114
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	81644	50.0000	54.036
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	4173	2.00000	2.110
	33 Benzene	78	7.437	7.437	(0.975)	11737	2.00000	2.154
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	165926	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.050)	3316	2.00000	2.077
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	3461	2.00000	2.015
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	3933	2.00000	2.142
	39 Dibromomethane	93	8.472	8.472	(1.111)	1720	2.00000	2.017
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	941	2.00000	1.564(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	4544	10.0000	10.360(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	3760	2.00000	1.875
$	43 d8-Toluene	98	9.186	9.186	(1.204)	190730	50.0000	52.314
	44 Toluene	92	9.266	9.266	(1.215)	7331	2.00000	2.268
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	3132	2.00000	1.858
	46 2-Hexanone	43	9.527	9.527	(0.884)	12031	10.0000	10.227(M)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	1959	2.00000	1.946
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	4110	2.00000	2.029
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	3034	2.00000	1.898
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	2530	2.00000	1.857
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	2176	2.00000	2.018(T)
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	143906	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	7227	2.00000	2.141
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	12527	2.00000	2.195
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	2668	2.00000	2.065
	56 m,p-xylene	106	10.934	10.934	(1.014)	8069	4.00000	3.868(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	3867	2.00000	1.783
	58 Styrene	104	11.457	11.457	(1.062)	6001	2.00000	1.790
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	10149	2.00000	2.058
	60 Bromoform	173	11.869	11.869	(0.881)	1646	2.00000	2.076
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	3293	2.00000	2.312
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	80106	50.0000	47.564
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.902)	662	2.00000	2.346(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.906)	943	2.00000	2.154 (QM)
66	N-Propyl Benzene	91	12.261	12.261	(0.910)	12782	2.00000	2.008
67	Bromobenzene	156	12.351	12.351	(0.917)	2746	2.00000	1.998
68	1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	7814	2.00000	1.952
69	2-Chloro Toluene	91	12.492	12.492	(0.928)	8221	2.00000	1.966
70	4-Chloro Toluene	91	12.532	12.532	(0.931)	8529	2.00000	2.127
71	T-Butyl Benzene	119	12.844	12.844	(0.954)	6991	2.00000	2.042
72	1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	7457	2.00000	1.892
73	S-Butyl Benzene	105	13.085	13.085	(0.972)	10809	2.00000	1.919
74	4-Isopropyl Toluene	119	13.236	13.236	(0.983)	7447	2.00000	1.926
75	1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	4492	2.00000	1.913
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	73251	50.0000	
77	1,4-Dichlorobenzene	146	13.497	13.497	(1.002)	4608	2.00000	1.961
78	N-Butyl Benzene	91	13.718	13.718	(1.019)	8103	2.00000	1.941
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	67411	50.0000	50.594
80	1,2-Dichlorobenzene	146	13.939	13.939	(1.035)	4695	2.00000	2.104
81	1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	613	2.00000	2.487
82	1,2,4-Trichlorobenzene	180	15.889	15.889	(1.180)	2979	2.00000	2.193
83	Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.191)	2016	2.00000	2.204
84	Naphthalene	128	16.221	16.221	(1.204)	5145	2.00000	2.088
85	1,2,3-Trichlorobenzene	180	16.502	16.502	(1.225)	2989	2.00000	2.302

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0020723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD002
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	115854	-11.64
34 1,4-Difluorobenze	191559	95780	383118	165926	-13.38
52 d5-Chlorobenzene	161199	80600	322398	143906	-10.73
76 d4-1,4-Dichlorobe	88279	44140	176558	73251	-17.02

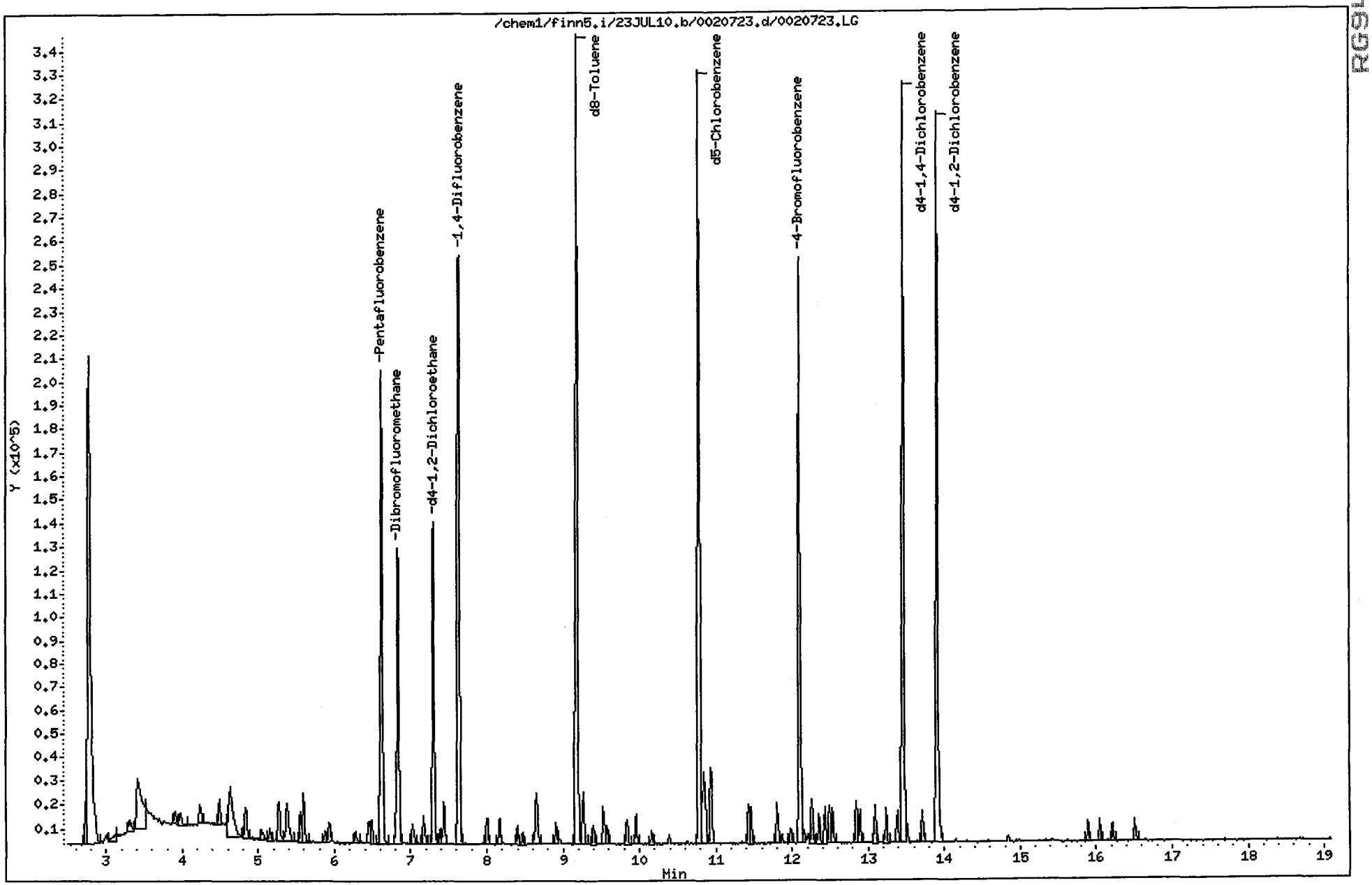
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0020723.d
Date : 23-JUL-2010 20:02
Client ID: VSTD002
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

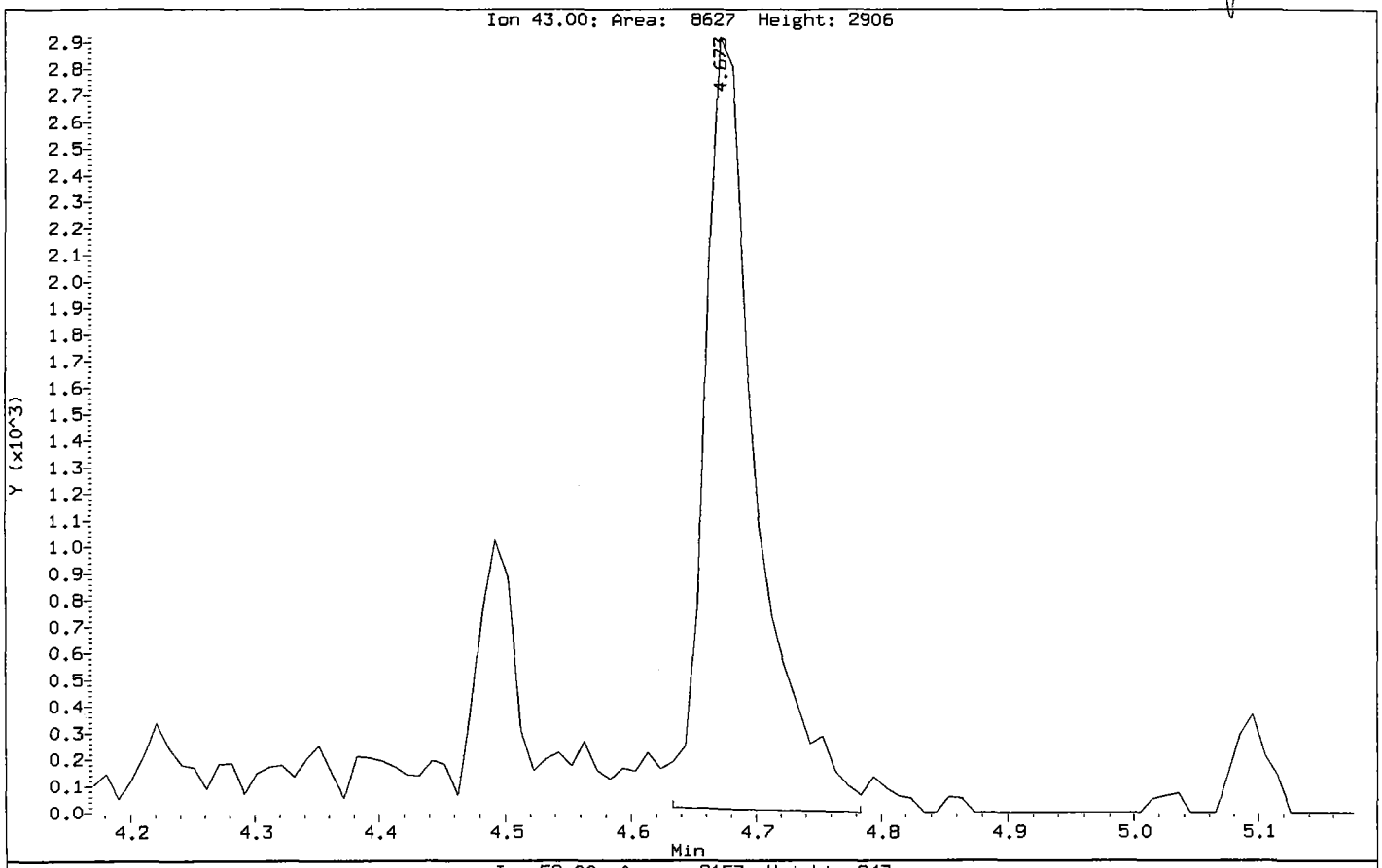
Column phase: Rtx502.2

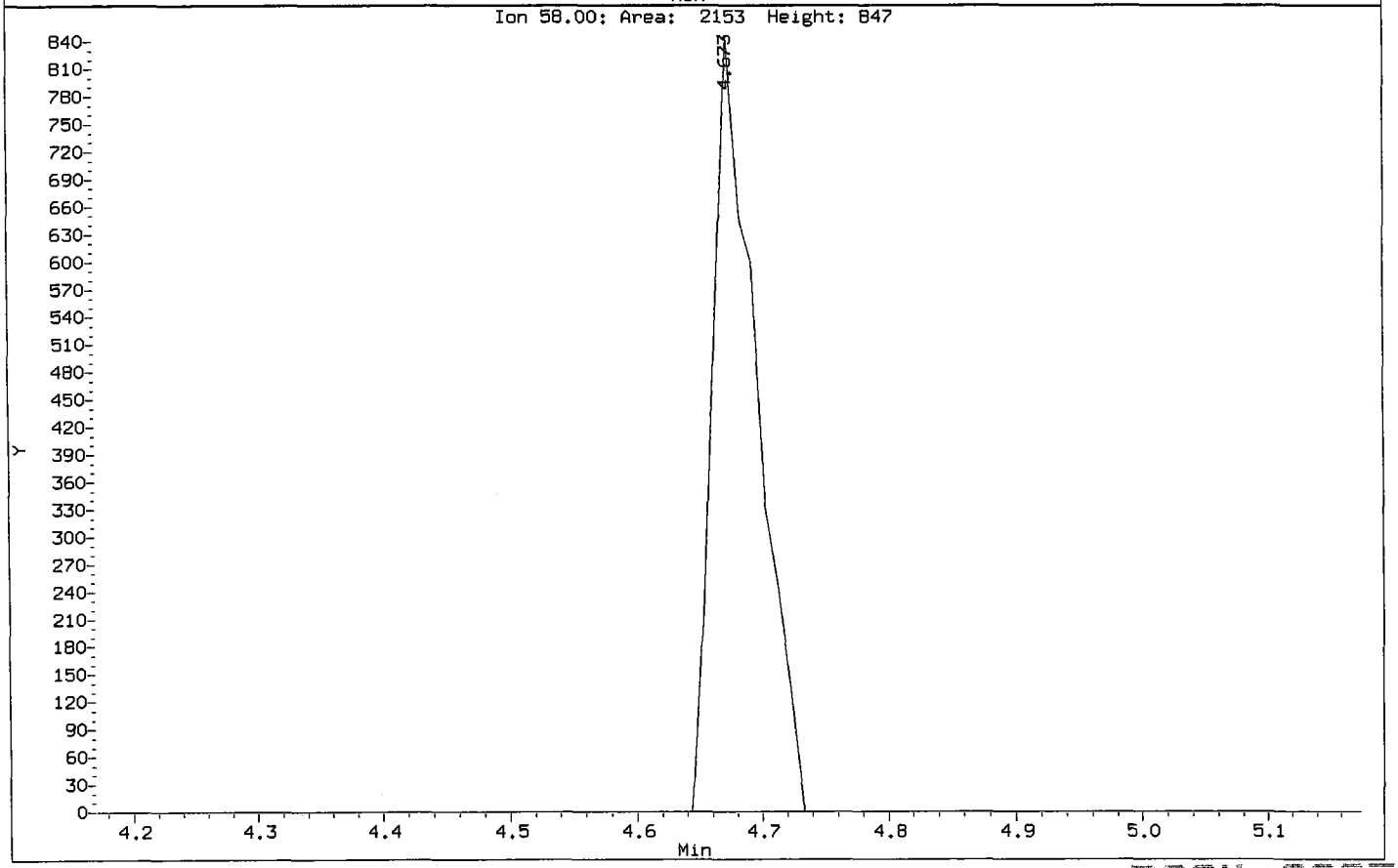


RG9H 003356

Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

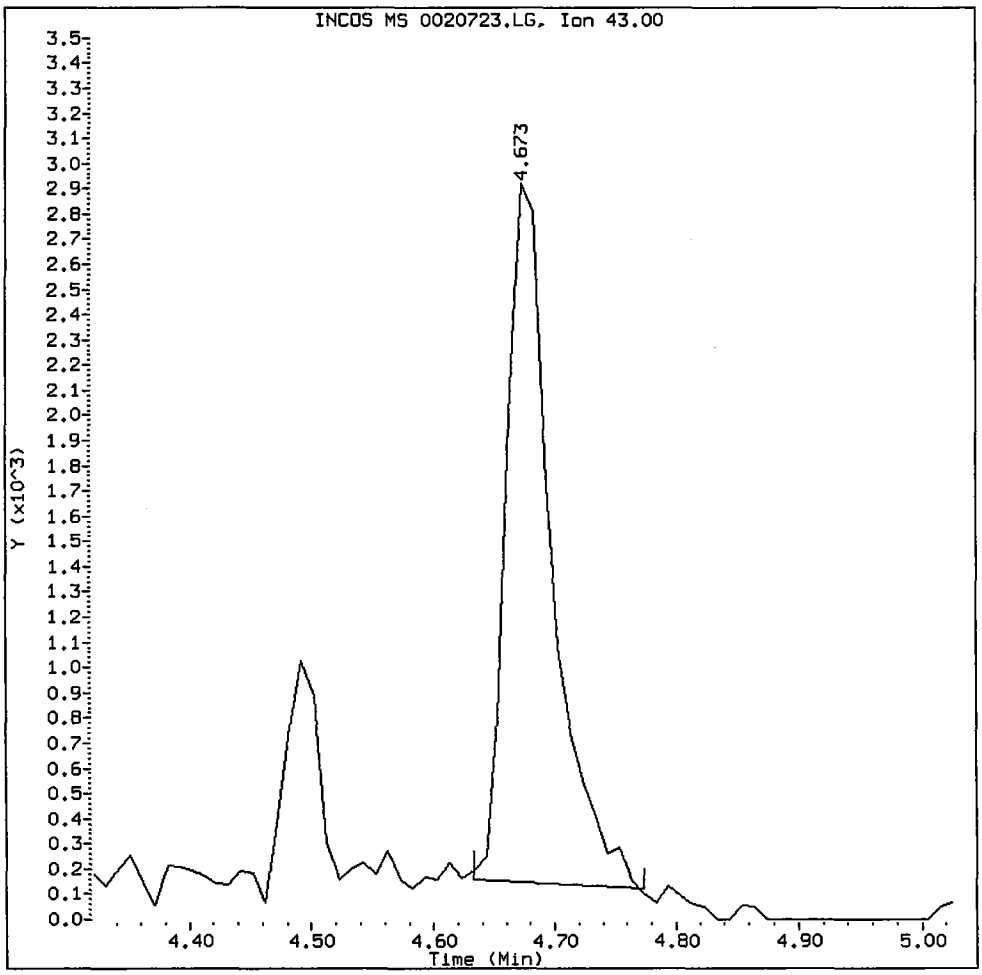
Compound: Acetone
CAS Number:





IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

Acetone Amount: 11.43 Area: 7408



MANUAL INTEGRATION for Acetone

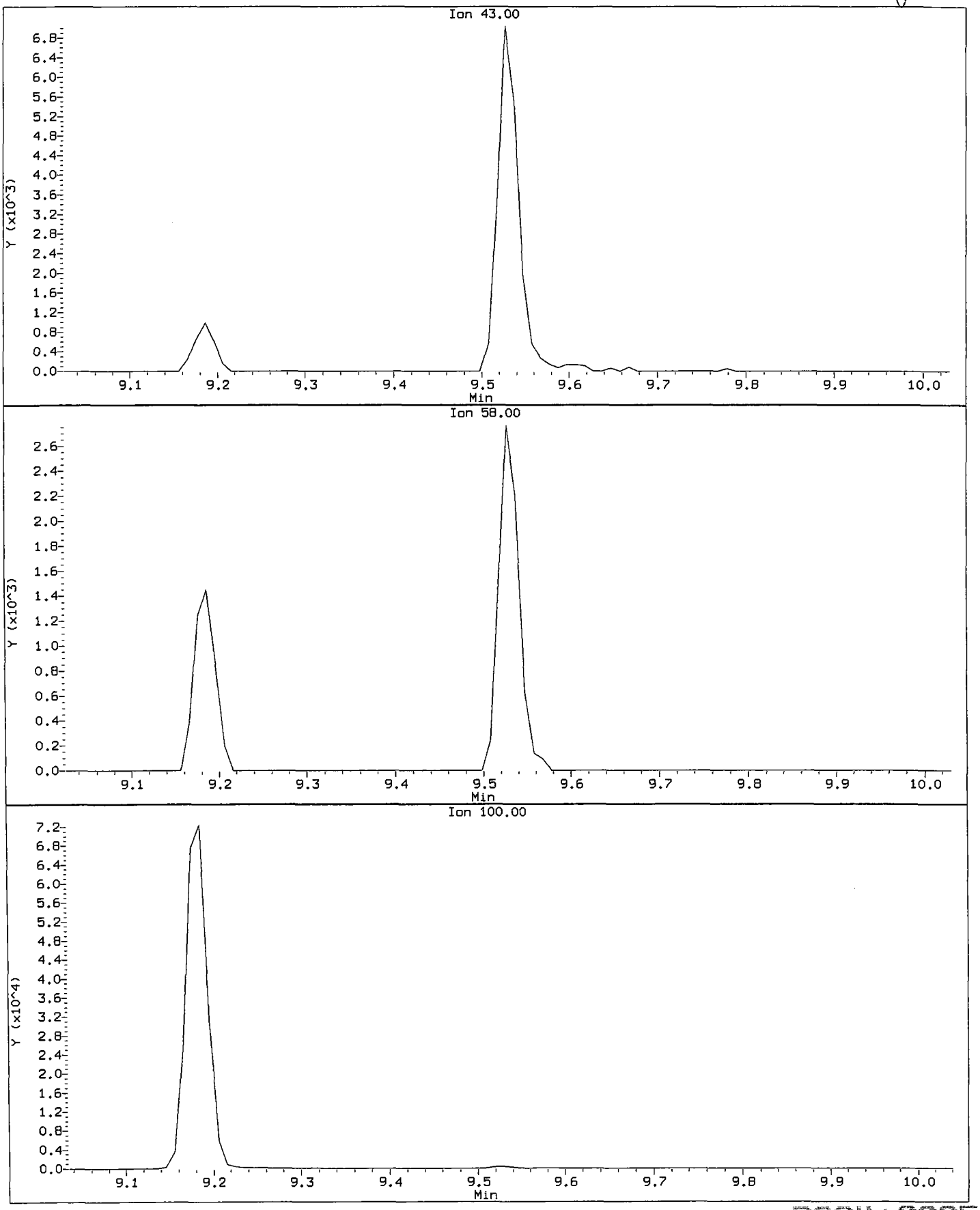
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/28/10

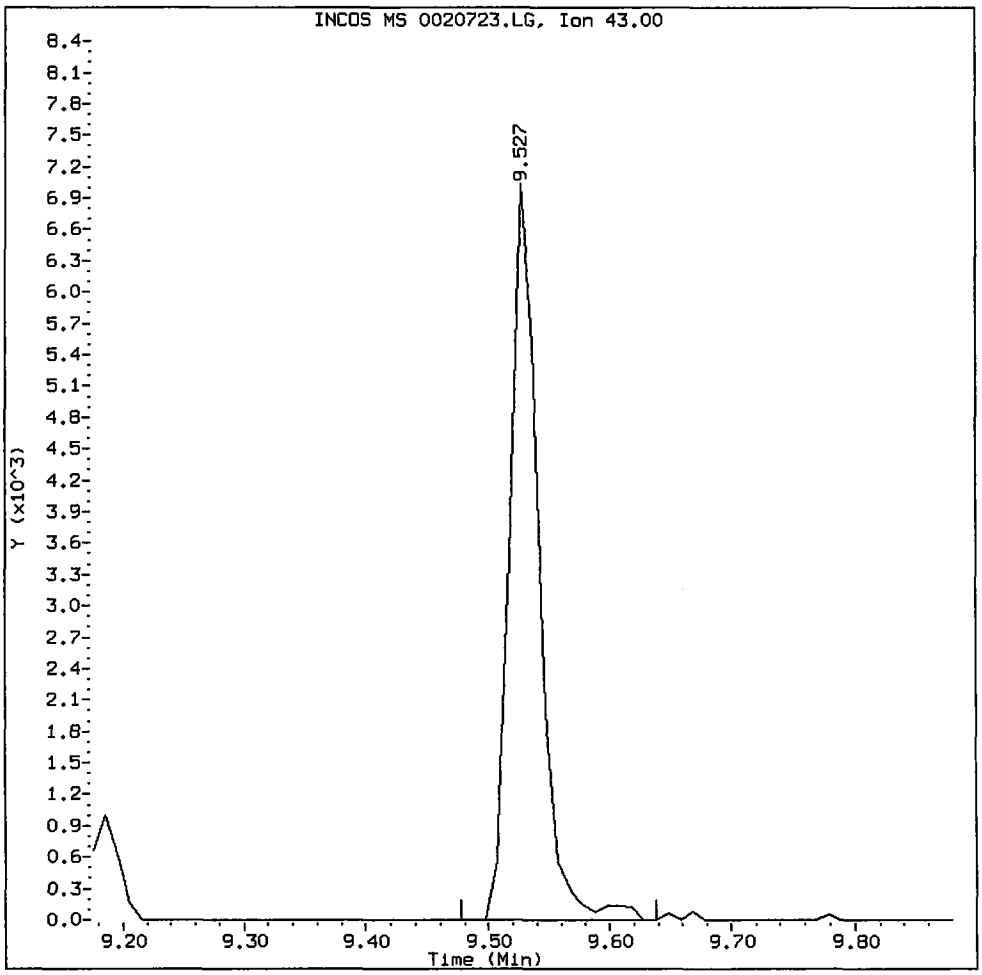
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

Compound: 2-Hexanone
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

2-Hexanone Amount: 10.23 Area: 12031



MANUAL INTEGRATION for 2-Hexanone

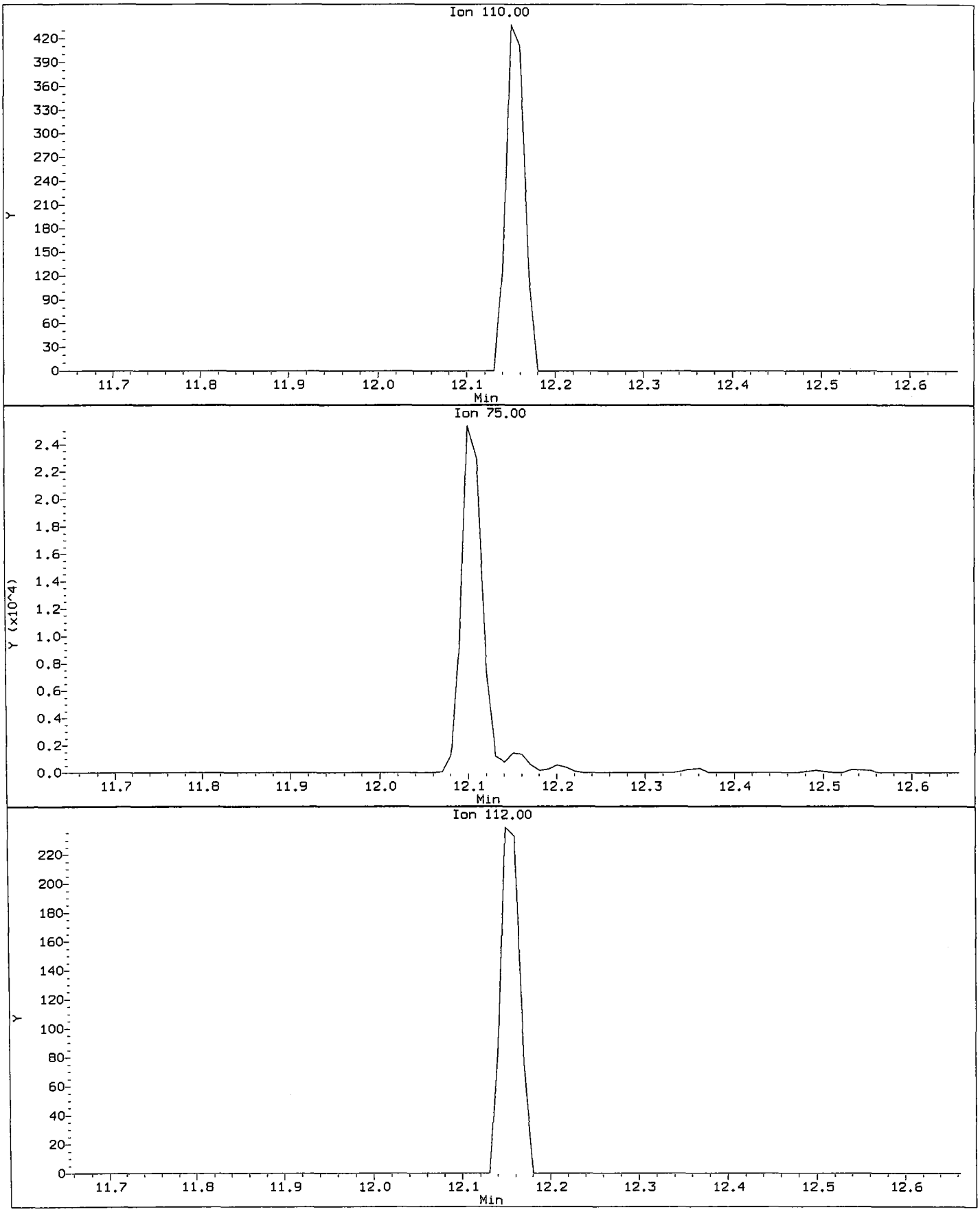
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/22/10

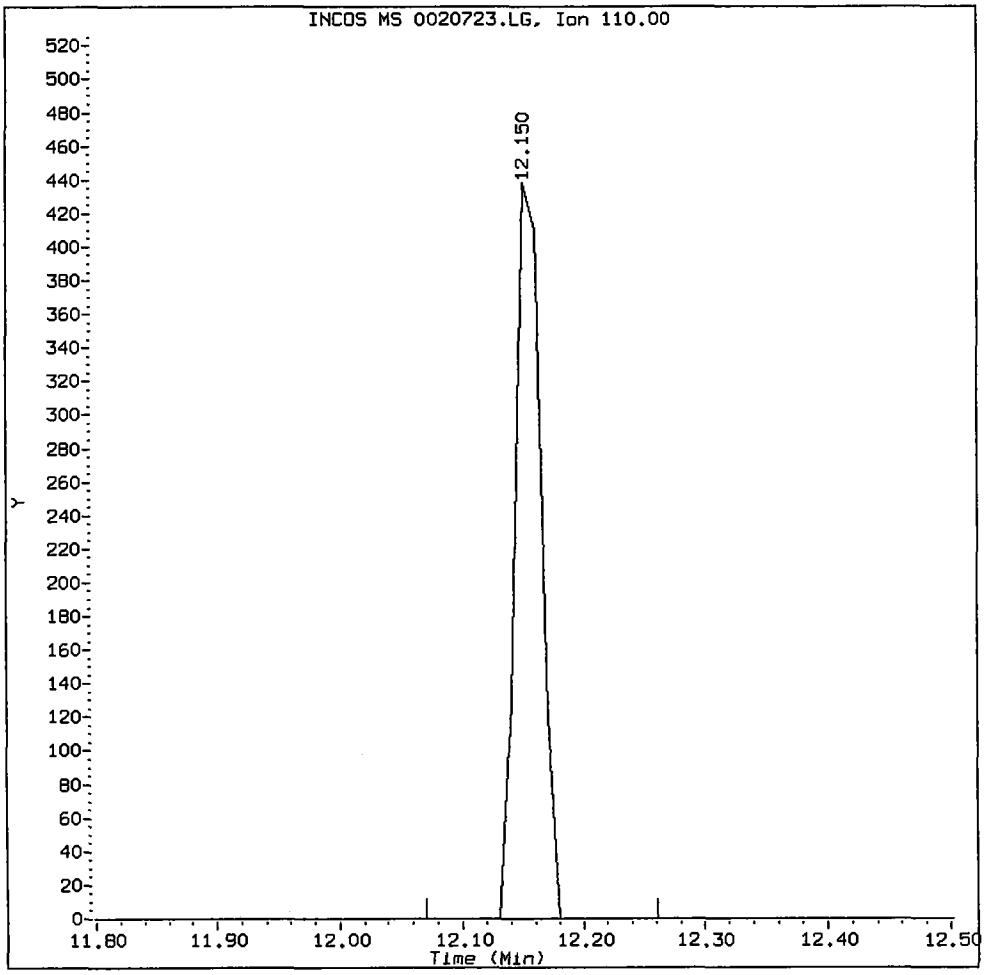
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

Compound: 1,2,3-Trichloropropane
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

1,2,3-Trichloropropane Amount: 2.35 Area: 662



MANUAL INTEGRATION for 1,2,3-Trichloropropane

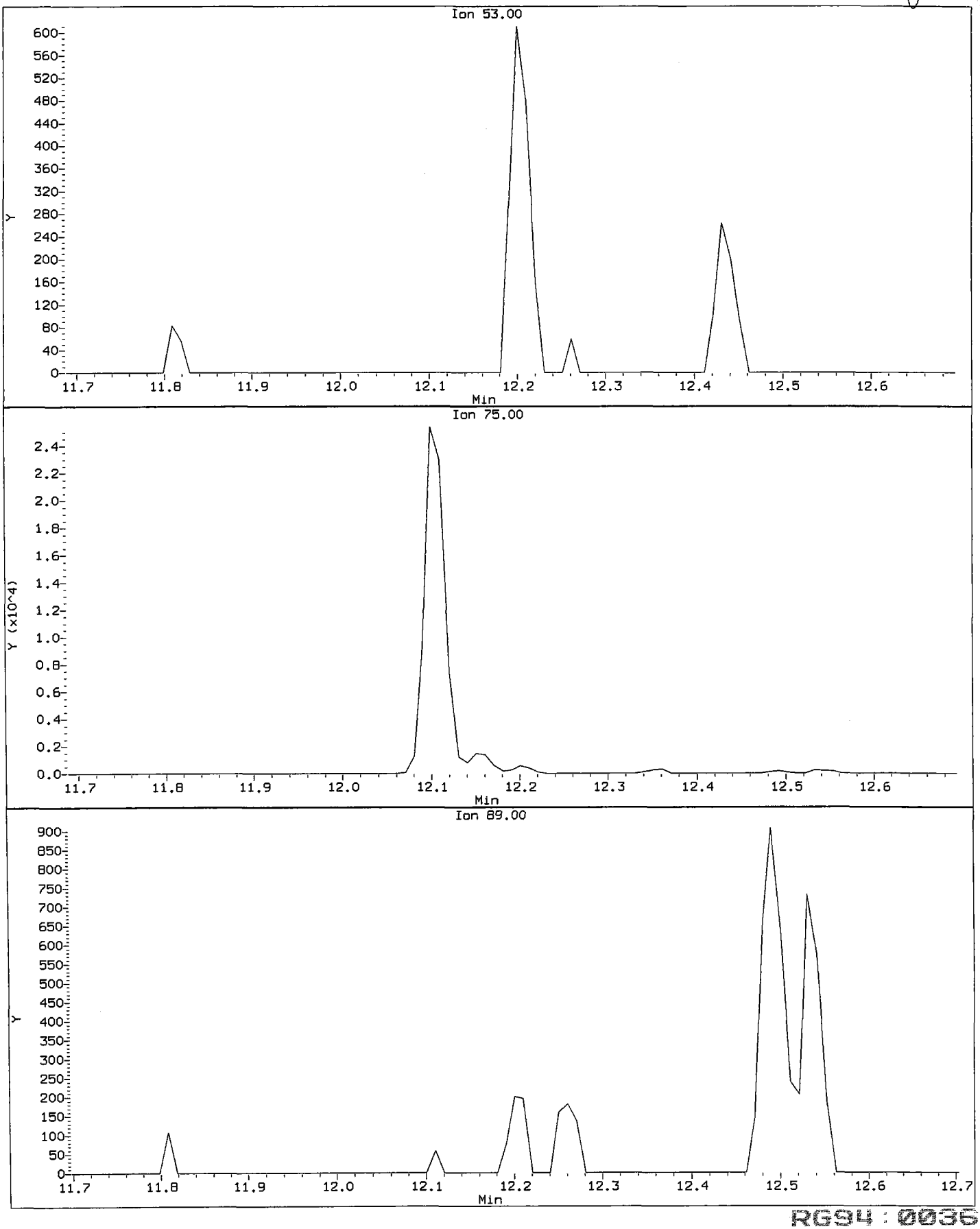
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/14/10

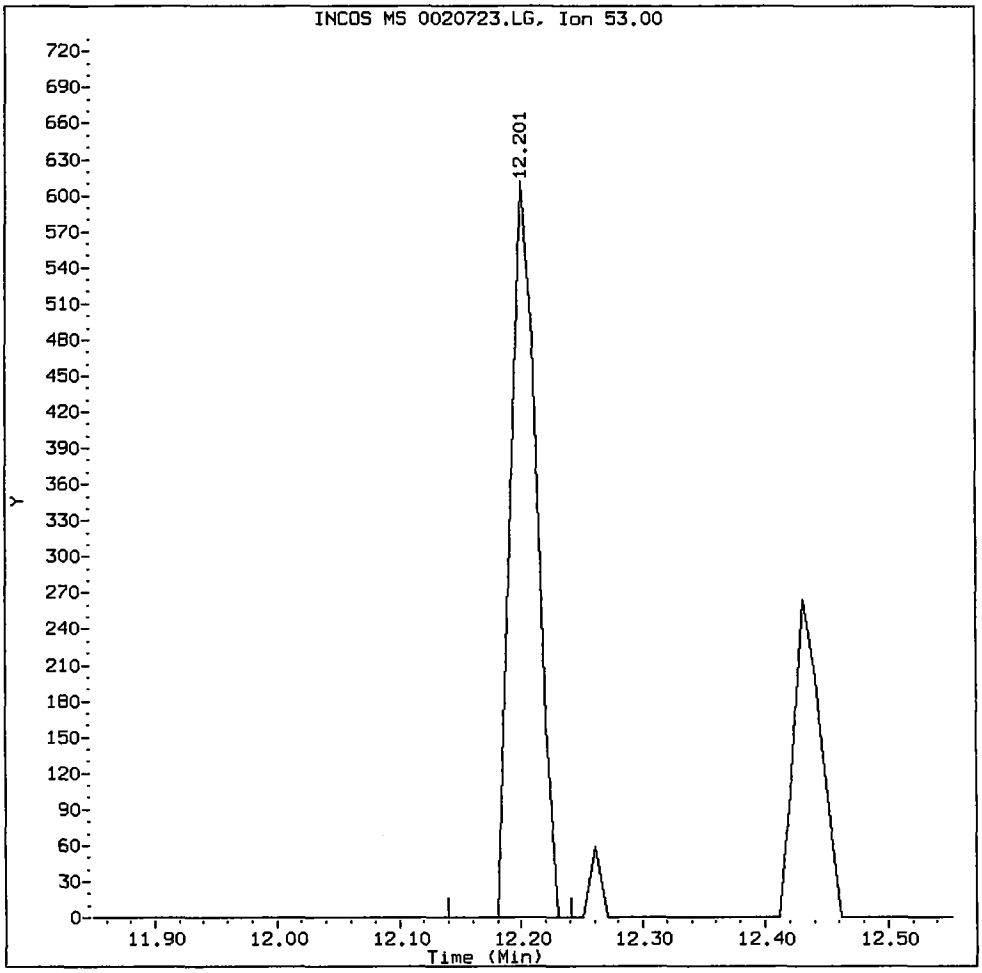
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

Compound: Trans-1,4-Dichloro 2-Butene
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

Trans-1,4-Dichloro 2-Butene Amount: 2.15 Area: 943



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/28/10

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0050723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD005
Inj Date : 23-JUL-2010 19:35
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 19:35 Cal File: 0050723.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	7723	5.00000	5.089
2 Chloromethane	50	3.296	3.296	(0.498)	22440	5.00000	5.496
3 Vinyl Chloride	62	3.417	3.417	(0.516)	17710	5.00000	5.485(Q)
4 Bromomethane	94	3.899	3.899	(0.589)	9090	5.00000	5.184
5 Chloroethane	64	3.970	3.970	(0.599)	11561	5.00000	5.482
6 Trichlorofluoromethane	101	4.231	4.231	(0.639)	17611	5.00000	5.643
7 Acrolein	56	4.623	4.623	(0.698)	10358	25.0000	26.607
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	14091	5.00000	5.767
9 Acetone	43	4.673	4.673	(0.706)	18358	25.0000	28.028
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	12189	5.00000	5.498
11 Bromoethane	108	5.045	5.045	(0.762)	8530	5.00000	5.195
12 Iodomethane	142	5.146	5.146	(0.777)	13373	5.00000	5.102
13 Methylene Chloride	84	5.266	5.266	(0.795)	13925	5.00000	5.578
14 Acrylonitrile	53	5.347	5.347	(0.807)	3314	5.00000	5.730(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.387	5.387	(0.813)	18920	5.00000	5.549(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.810)	39738	5.00000	5.779
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.838)	9438	5.00000	4.995
	18 Vinyl Acetate	43	5.869	5.869	(0.886)	17895	5.00000	5.408
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	18913	5.00000	5.441
	20 2-Butanone	43	6.271	6.271	(0.947)	20107	25.0000	27.282
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	10921	5.00000	5.134
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	8398	5.00000	5.043(Q)
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	117041	50.0000	
	24 Chloroform	83	6.633	6.633	(1.002)	15400	5.00000	5.454(Q)
	26 Bromochloromethane	128	6.804	6.804	(1.027)	4294	5.00000	5.431(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	71812	50.0000	51.480(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	11387	5.00000	5.185
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	12169	5.00000	5.243
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	10319	5.00000	5.112
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	80444	50.0000	52.702
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	10820	5.00000	5.310
	33 Benzene	78	7.437	7.437	(0.975)	30771	5.00000	5.482
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	170929	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	8715	5.00000	5.300
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	9370	5.00000	5.296
	37 Bromodichloromethane	83	8.392	8.392	(1.100)	9943	5.00000	5.256
	39 Dibromomethane	93	8.462	8.462	(1.109)	4443	5.00000	5.059
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	2962	5.00000	4.780(Q)
	41 4-Methyl-2-Pentanone	58	8.643	8.643	(1.133)	11309	25.0000	25.028(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	10254	5.00000	4.965
$	43 d8-Toluene	98	9.176	9.176	(1.203)	191709	50.0000	51.044
	44 Toluene	92	9.256	9.256	(1.213)	17473	5.00000	5.247
	45 Trans 1,3-Dichloropropene	75	9.387	9.387	(1.231)	8395	5.00000	4.836
	46 2-Hexanone	43	9.527	9.527	(0.884)	29526	25.0000	24.696(M)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	5519	5.00000	5.323
	48 1,3-Dichloropropane	76	9.829	9.829	(0.911)	10453	5.00000	5.078
	49 Tetrachloroethene	166	9.949	9.949	(0.923)	8262	5.00000	5.084
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	6807	5.00000	4.915
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	5784	5.00000	5.208
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	146260	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	17766	5.00000	5.179
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	30541	5.00000	5.264
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.006)	6409	5.00000	4.881
	56 m,p-xylene	106	10.934	10.934	(1.014)	22123	10.0000	10.434(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	10246	5.00000	4.649
	58 Styrene	104	11.457	11.457	(1.062)	16833	5.00000	4.940
	59 Isopropyl Benzene	105	11.799	11.799	(0.877)	27803	5.00000	5.452
	60 Bromoform	173	11.859	11.859	(0.881)	4268	5.00000	5.205
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	7849	5.00000	5.327
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	81582	50.0000	47.660
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	1675	5.00000	5.738

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.907)	2468	5.00000	5.450(QM)
66	N-Propyl Benzene	91	12.261	12.261	(0.911)	34800	5.00000	5.286
67	Bromobenzene	156	12.341	12.341	(0.917)	7362	5.00000	5.178
68	1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.924)	22104	5.00000	5.339
69	2-Chloro Toluene	91	12.492	12.492	(0.928)	23284	5.00000	5.382
70	4-Chloro Toluene	91	12.532	12.532	(0.931)	21819	5.00000	5.262
71	T-Butyl Benzene	119	12.844	12.844	(0.954)	19493	5.00000	5.504
72	1,2,4-Trimethylbenzene	105	12.884	12.884	(0.957)	21602	5.00000	5.301
73	S-Butyl Benzene	105	13.085	13.085	(0.972)	30183	5.00000	5.180
74	4-Isopropyl Toluene	119	13.236	13.236	(0.984)	21391	5.00000	5.350
75	1,3-Dichlorobenzene	146	13.377	13.377	(0.994)	12682	5.00000	5.221
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	75761	50.0000	
77	1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	12899	5.00000	5.307
78	N-Butyl Benzene	91	13.708	13.708	(1.019)	23070	5.00000	5.344
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.034)	69719	50.0000	50.593
80	1,2-Dichlorobenzene	146	13.939	13.939	(1.036)	12406	5.00000	5.374
81	1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.103)	1436	5.00000	5.632
82	1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	7355	5.00000	5.236
83	Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	5223	5.00000	5.520
84	Naphthalene	128	16.211	16.211	(1.205)	13199	5.00000	5.180
85	1,2,3-Trichlorobenzene	180	16.502	16.502	(1.226)	7275	5.00000	5.417

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0050723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD005
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	117041	-10.73
34 1,4-Difluorobenze	191559	95780	383118	170929	-10.77
52 d5-Chlorobenzene	161199	80600	322398	146260	-9.27
76 d4-1,4-Dichlorobe	88279	44140	176558	75761	-14.18

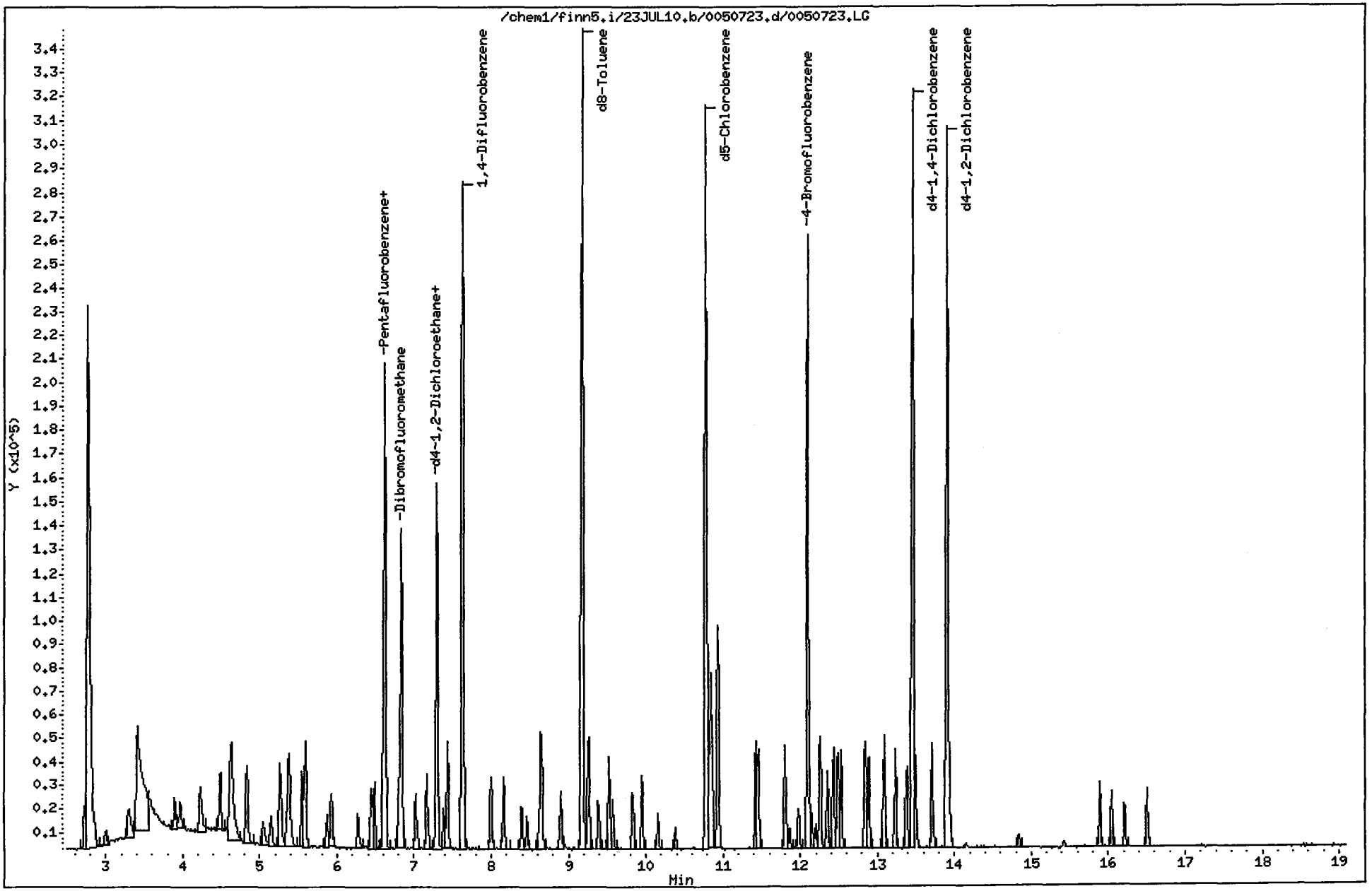
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0050723.d
Date : 23-JUL-2010 19:35
Client ID: VSTD005
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

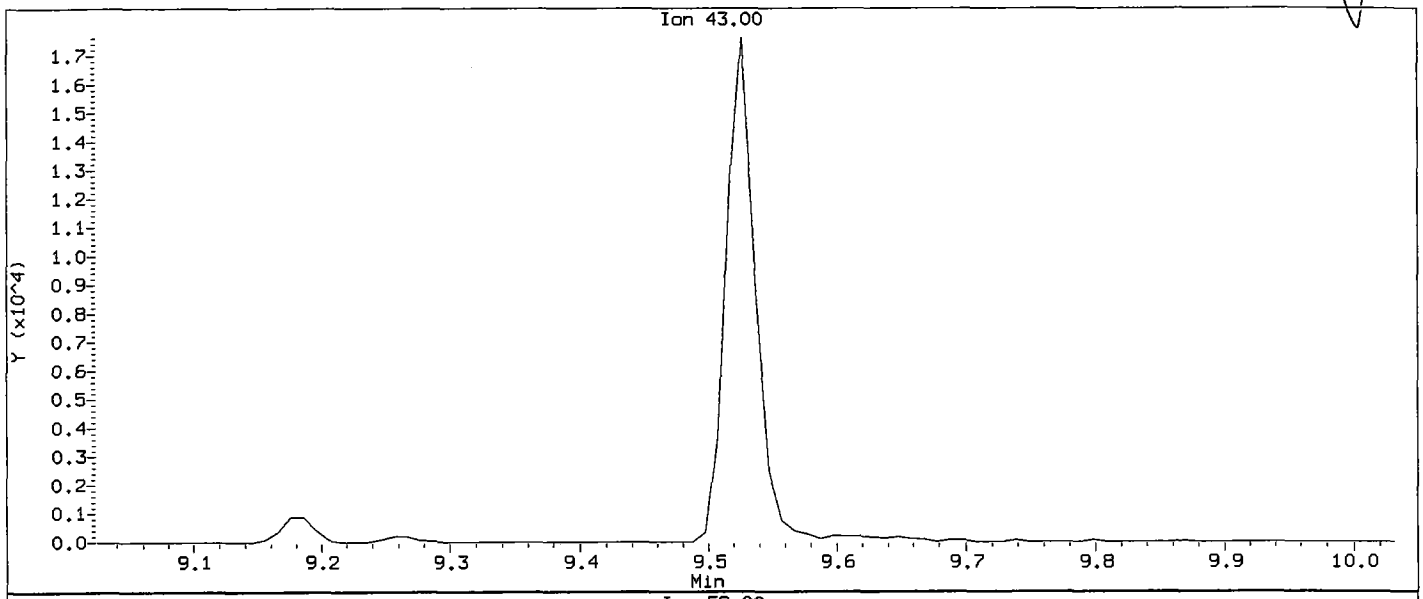
Column phase: Rtx502.2

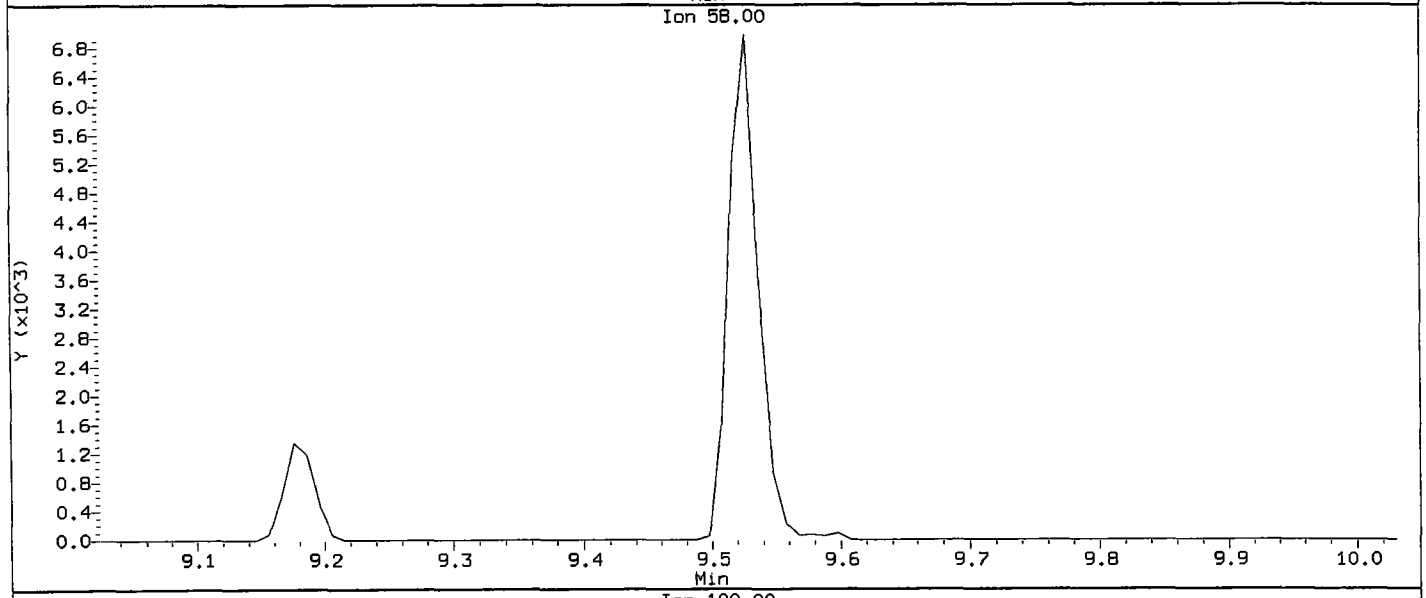


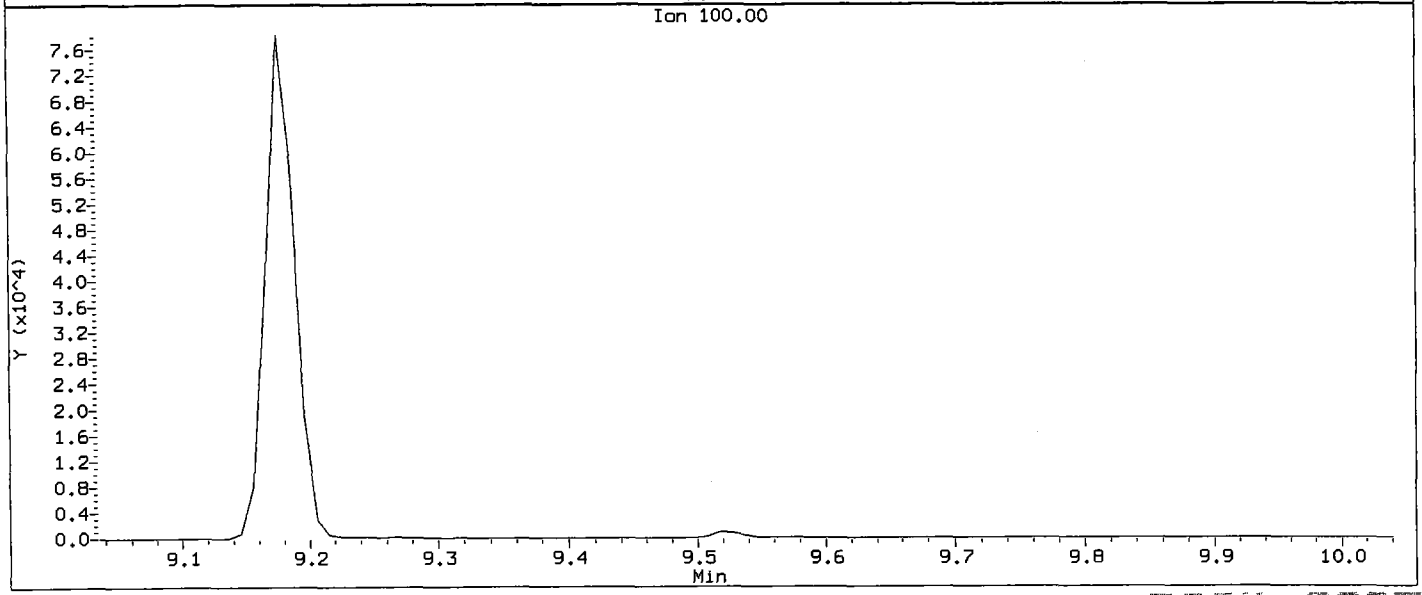
RG91-00369

Data File: /chem1/finn5.i/23JUL10.b/0050723.d/0050723.LG
Injection Date: 23-JUL-2010 19:35
Instrument: finn5.i
Client Sample ID: VSTD005

Compound: 2-Hexanone
CAS Number:

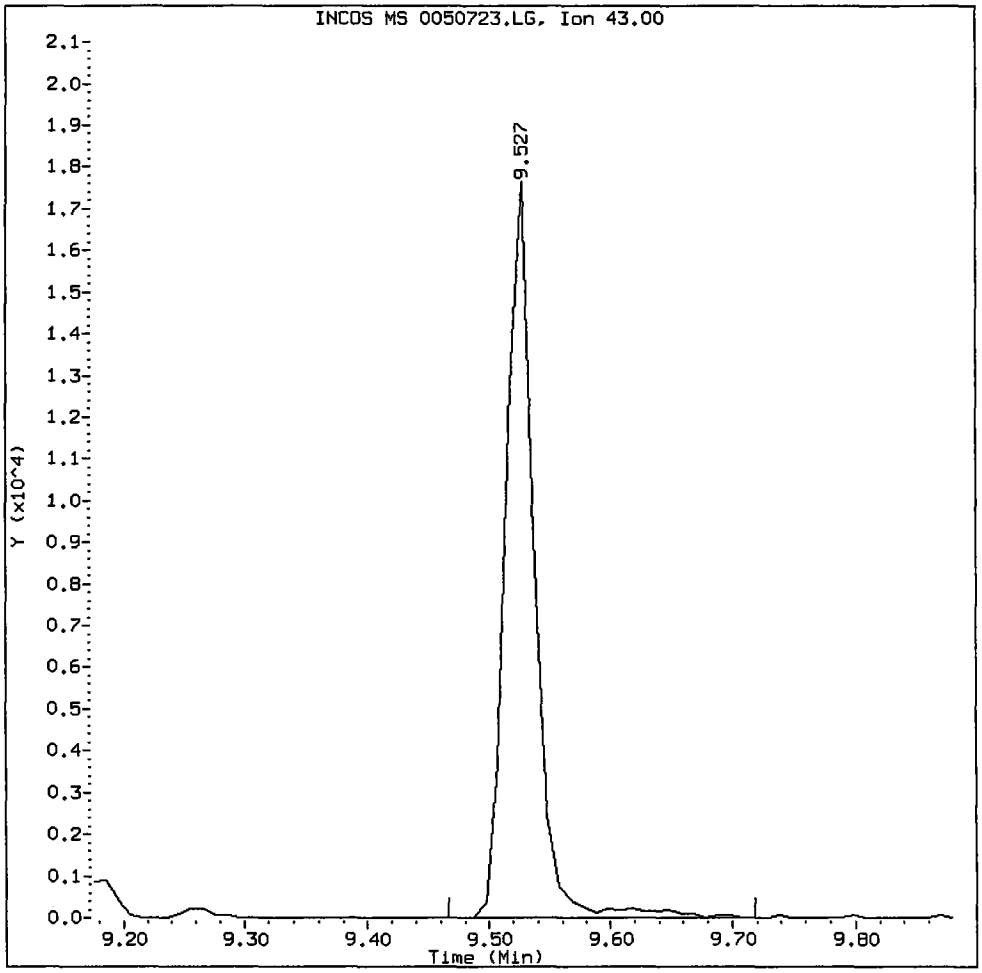






IC0723, /chem1/finn5.i/23JUL10.b/0050723.d

2-Hexanone Amount: 24.70 Area: 29526



MANUAL INTEGRATION for 2-Hexanone

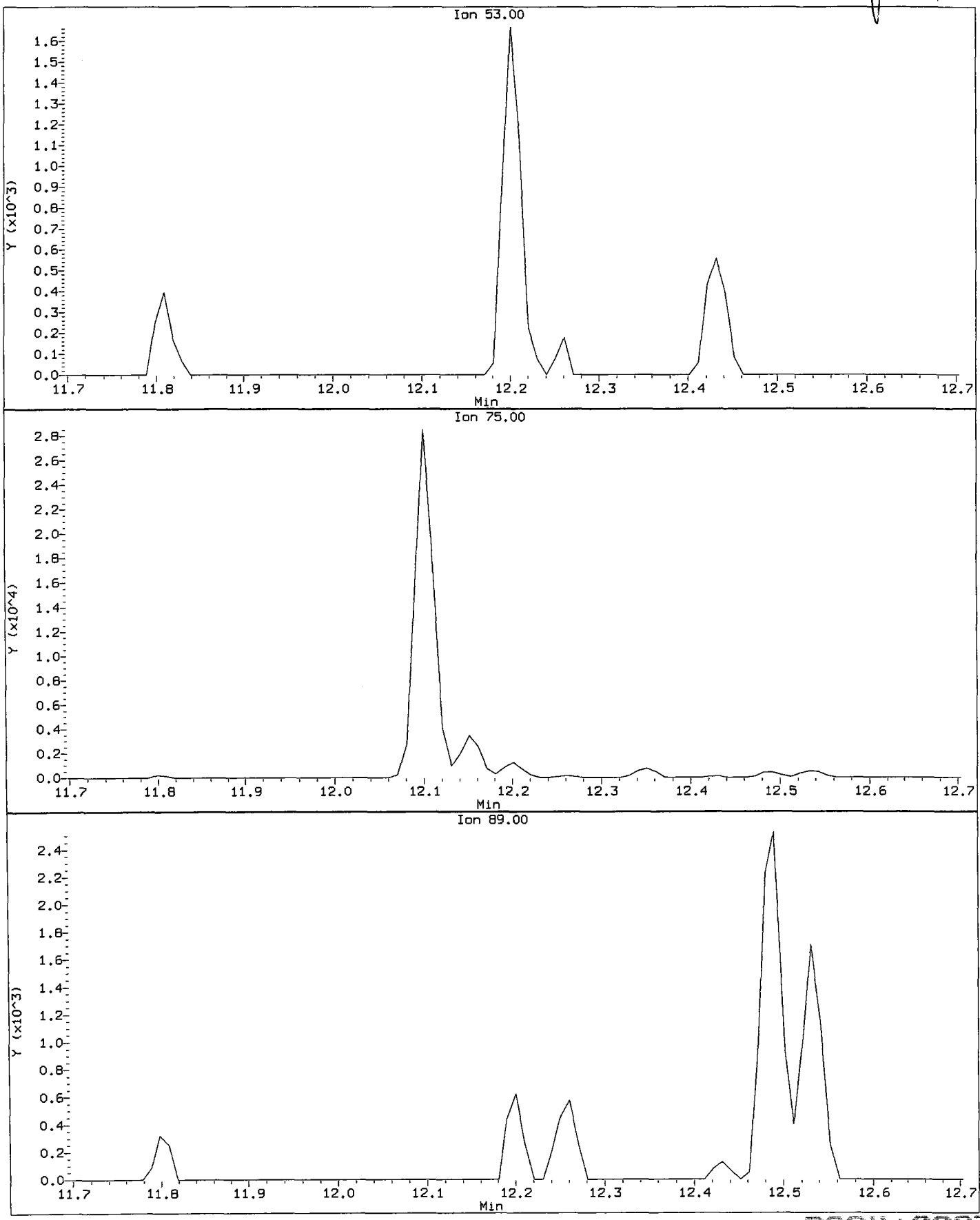
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/12/10

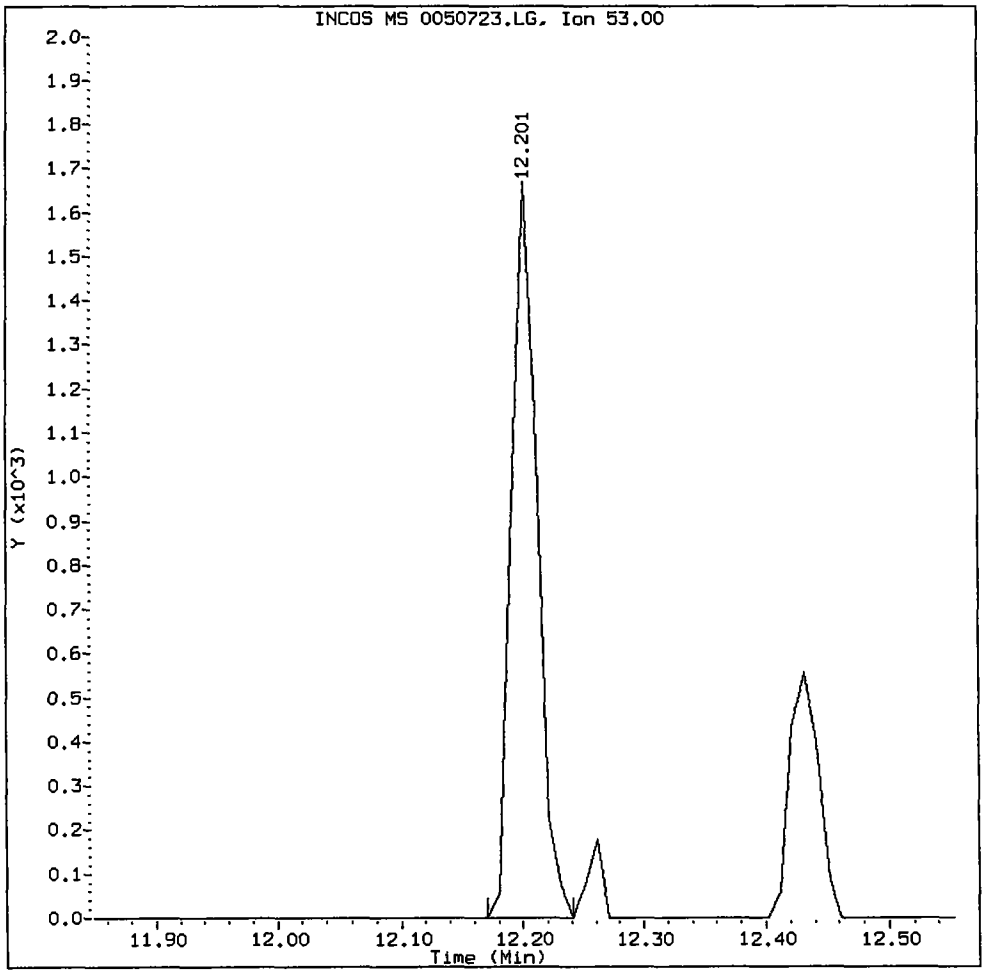
Data File: /chem1/finn5.i/23JUL10.b/0050723.d/0050723.LG
Injection Date: 23-JUL-2010 19:35
Instrument: finn5.i
Client Sample ID: VSTD005

Compound: Trans-1,4-Dichloro 2-Butene
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0050723.d

Trans-1,4-Dichloro 2-Butene Amount: 5.45 Area: 2468



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/26/10

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0100723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD010
Inj Date : 23-JUL-2010 19:09
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 19:09 Cal File: 0100723.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	15067	10.0000	9.770
2 Chloromethane	50	3.306	3.306	(0.499)	47789	10.0000	11.518
3 Vinyl Chloride	62	3.407	3.407	(0.514)	37997	10.0000	11.580(Q)
4 Bromomethane	94	3.899	3.899	(0.589)	14872	10.0000	8.346
5 Chloroethane	64	3.970	3.970	(0.599)	20719	10.0000	9.669
6 Trichlorofluoromethane	101	4.231	4.231	(0.639)	33546	10.0000	10.578
7 Acrolein	56	4.623	4.623	(0.698)	19450	50.0000	49.169
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	26723	10.0000	10.764
9 Acetone	43	4.673	4.673	(0.706)	35817	50.0000	53.814
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	24541	10.0000	10.893
11 Bromoethane	108	5.055	5.055	(0.763)	17903	10.0000	10.731
12 Iodomethane	142	5.146	5.146	(0.777)	27119	10.0000	10.181
13 Methylene Chloride	84	5.266	5.266	(0.795)	26821	10.0000	10.573
14 Acrylonitrile	53	5.357	5.357	(0.809)	6777	10.0000	11.533(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	38803	10.0000	11.200(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.810)	78061	10.0000	11.172
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.838)	21284	10.0000	11.086
	18 Vinyl Acetate	43	5.869	5.869	(0.886)	37100	10.0000	11.033
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	39819	10.0000	11.274
	20 2-Butanone	43	6.281	6.281	(0.948)	42020	50.0000	56.109
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	22630	10.0000	10.471
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	18047	10.0000	10.665
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	118930	50.0000	
	24 Chloroform	83	6.633	6.633	(1.002)	31386	10.0000	10.940
	26 Bromochloromethane	128	6.804	6.804	(1.027)	8495	10.0000	10.574
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	69715	50.0000	49.182(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	23434	10.0000	10.502
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	25745	10.0000	11.267
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	21209	10.0000	10.673
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	76858	50.0000	49.553
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	22825	10.0000	11.378
	33 Benzene	78	7.437	7.437	(0.975)	66143	10.0000	11.970
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	168271	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	18174	10.0000	11.226
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	19596	10.0000	11.250
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	20319	10.0000	10.911
	39 Dibromomethane	93	8.472	8.472	(1.111)	9683	10.0000	11.199
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	6388	10.0000	10.472(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	24009	50.0000	53.974
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	22221	10.0000	10.929
$	43 d8-Toluene	98	9.176	9.176	(1.203)	186138	50.0000	50.343
	44 Toluene	92	9.266	9.266	(1.215)	35399	10.0000	10.798
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	18193	10.0000	10.645
	46 2-Hexanone	43	9.527	9.527	(0.884)	61774	50.0000	53.599
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	11407	10.0000	11.176
	48 1,3-Dichloropropane	76	9.829	9.829	(0.911)	21313	10.0000	10.740
	49 Tetrachloroethene	166	9.949	9.949	(0.923)	15981	10.0000	10.202
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	14166	10.0000	10.612
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	11754	10.0000	10.752
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	140990	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	36224	10.0000	10.954
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	63957	10.0000	11.437
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.006)	12790	10.0000	10.106
	56 m,p-xylene	106	10.934	10.934	(1.014)	46275	20.0000	22.640(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	21803	10.0000	10.264
	58 Styrene	104	11.457	11.457	(1.062)	37240	10.0000	11.338
	59 Isopropyl Benzene	105	11.809	11.809	(0.878)	58882	10.0000	12.124
	60 Bromoform	173	11.869	11.869	(0.882)	8420	10.0000	10.783
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	16250	10.0000	11.581
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	77668	50.0000	47.070
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	3269	10.0000	11.760

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.907)	5035	10.0000	11.675
	66 N-Propyl Benzene	91	12.261	12.261	(0.911)	74061	10.0000	11.812
	67 Bromobenzene	156	12.351	12.351	(0.918)	15265	10.0000	11.274
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.924)	46547	10.0000	11.806
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	48661	10.0000	11.812
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	47584	10.0000	12.050
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	41330	10.0000	12.254
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.958)	47036	10.0000	12.119
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	64271	10.0000	11.583
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.984)	45887	10.0000	12.052
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.995)	27596	10.0000	11.930
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	72150	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	26532	10.0000	11.462
	78 N-Butyl Benzene	91	13.708	13.708	(1.019)	49500	10.0000	12.040
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.034)	66793	50.0000	50.895
	80 1,2-Dichlorobenzene	146	13.939	13.939	(1.036)	25247	10.0000	11.484
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.103)	2894	10.0000	11.920
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	16254	10.0000	12.150
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	10838	10.0000	12.028
	84 Naphthalene	128	16.221	16.221	(1.205)	30211	10.0000	12.450
	85 1,2,3-Trichlorobenzene	180	16.502	16.502	(1.226)	16393	10.0000	12.817

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0100723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD010
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	118930	-9.29
34 1,4-Difluorobenze	191559	95780	383118	168271	-12.16
52 d5-Chlorobenzene	161199	80600	322398	140990	-12.54
76 d4-1,4-Dichlorobe	88279	44140	176558	72150	-18.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

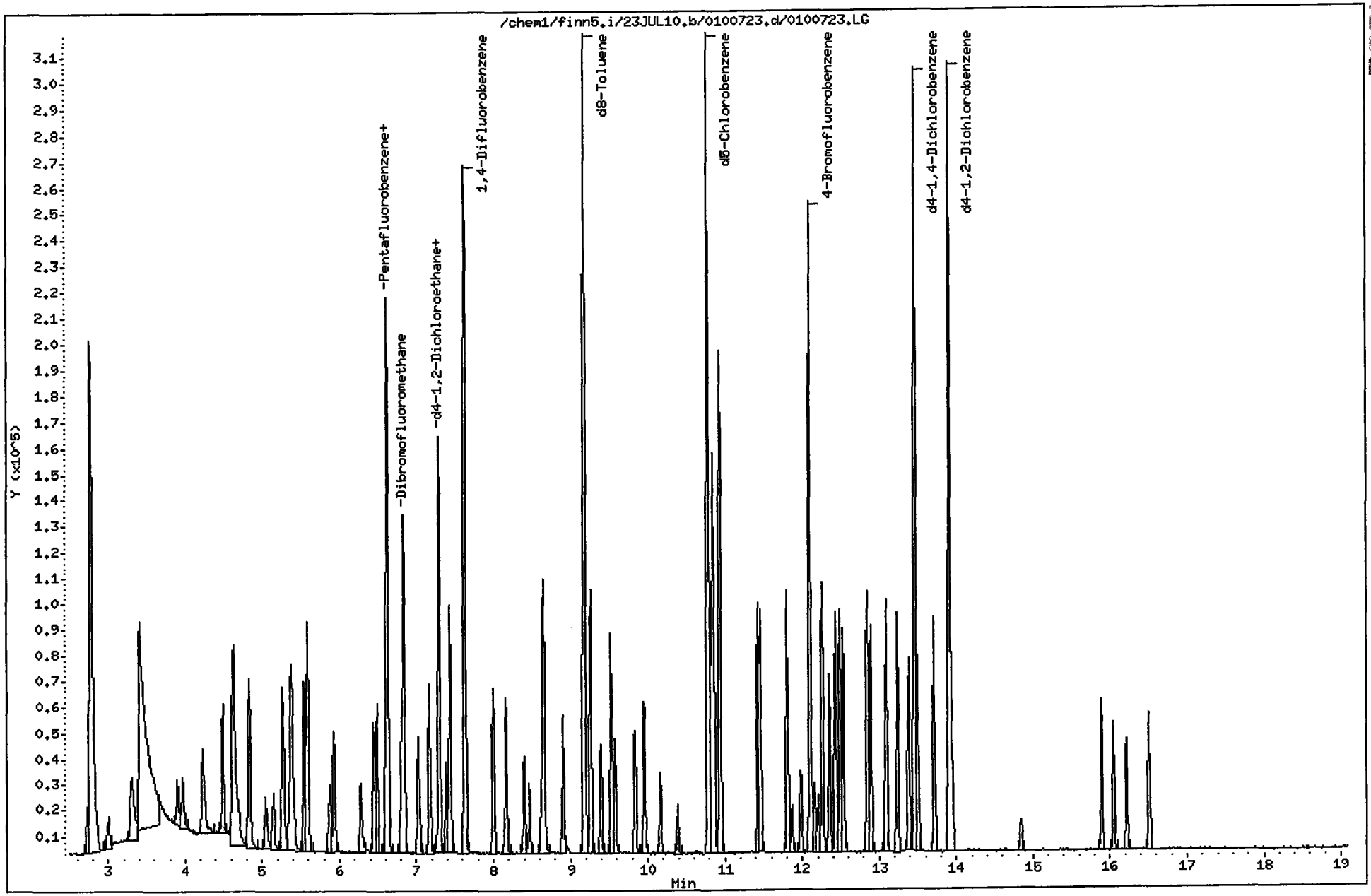
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0100723.d
Date : 23-JUL-2010 19:09
Client ID: VSTD010
Sample Info: IC0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0500723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD050
Inj Date : 23-JUL-2010 18:42
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 18:42 Cal File: 0500723.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	88494	50.0000	52.050
2 Chloromethane	50	3.306	3.306	(0.499)	216660	50.0000	47.364
3 Vinyl Chloride	62	3.417	3.417	(0.516)	178705	50.0000	49.403
4 Bromomethane	94	3.909	3.909	(0.590)	106254	50.0000	54.088
5 Chloroethane	64	3.980	3.980	(0.601)	114914	50.0000	48.645
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	187024	50.0000	53.495
7 Acrolein	56	4.623	4.623	(0.698)	103002	250.000	236.19
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	132979	50.0000	48.585
9 Acetone	43	4.673	4.673	(0.706)	175977	250.000	239.83
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	128370	50.0000	51.685
11 Bromoethane	108	5.055	5.055	(0.763)	95360	50.0000	51.846
12 Iodomethane	142	5.156	5.156	(0.778)	164295	50.0000	55.947
13 Methylene Chloride	84	5.266	5.266	(0.795)	122611	50.0000	43.842
14 Acrylonitrile	53	5.357	5.357	(0.809)	34222	50.0000	52.824

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	199902	50.0000	52.338
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	416399	50.0000	54.056
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	104060	50.0000	49.162
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	204622	50.0000	55.196
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	201091	50.0000	51.642
	20 2-Butanone	43	6.281	6.281	(0.948)	214832	250.000	260.20
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	119721	50.0000	50.246
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	90699	50.0000	48.618
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	131115	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	157700	50.0000	49.859
	26 Bromochloromethane	128	6.804	6.804	(1.027)	43978	50.0000	49.652
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	78499	50.0000	50.233
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	122308	50.0000	49.717
	29 1,1-Dichloropropene	75	7.176	7.176	(0.941)	128968	50.0000	49.578
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	109284	50.0000	48.311
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	84334	50.0000	49.320
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	112274	50.0000	49.165
	33 Benzene	78	7.437	7.437	(0.975)	317315	50.0000	50.445
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	191559	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	89737	50.0000	48.692
	36 1,2-Dichloropropane	63	8.171	8.171	(1.071)	96034	50.0000	48.432
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	103931	50.0000	49.024
	39 Dibromomethane	93	8.472	8.472	(1.111)	47687	50.0000	48.448
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	35475	50.0000	51.086
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	127285	250.000	251.36
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	122153	50.0000	52.775
$	43 d8-Toluene	98	9.186	9.186	(1.204)	213313	50.0000	50.679
	44 Toluene	92	9.266	9.266	(1.215)	176514	50.0000	47.296
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	99882	50.0000	51.339
	46 2-Hexanone	43	9.527	9.527	(0.884)	307458	250.000	233.33
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	56632	50.0000	48.742
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	109236	50.0000	48.147
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	78929	50.0000	44.072
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	72980	50.0000	47.816
	51 1,2-Dibromoethane	107	10.392	10.392	(1.362)	61687	50.0000	49.567
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	161199	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	176231	50.0000	46.611
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	325754	50.0000	50.948
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	62748	50.0000	43.363
	56 m,p-xylene	106	10.934	10.934	(1.014)	247468	100.000	105.89
	57 o-Xylene	106	11.427	11.427	(1.060)	120870	50.0000	49.766
	58 Styrene	104	11.457	11.457	(1.062)	197957	50.0000	52.713
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	321007	50.0000	54.019
	60 Bromoform	173	11.869	11.869	(0.881)	45981	50.0000	48.125
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	80952	50.0000	47.153
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	91332	50.0000	48.412
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.902)	16376	50.0000	48.148

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	26610	50.0000	50.430
	66 N-Propyl Benzene	91	12.261	12.261	(0.910)	378862	50.0000	49.387
	67 Bromobenzene	156	12.351	12.351	(0.917)	80968	50.0000	48.876
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	264645	50.0000	54.862
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	248038	50.0000	49.208
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	261192	50.0000	54.058
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	232931	50.0000	56.443
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	260230	50.0000	54.800
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	355887	50.0000	52.419
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.983)	260120	50.0000	55.837
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	145285	50.0000	51.333
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	88279	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.002)	140968	50.0000	49.774
	78 N-Butyl Benzene	91	13.718	13.718	(1.019)	273888	50.0000	54.445
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	81684	50.0000	50.870
	80 1,2-Dichlorobenzene	146	13.939	13.939	(1.035)	133963	50.0000	49.803
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	15128	50.0000	50.924
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.180)	75938	50.0000	46.392
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	52008	50.0000	47.175
	84 Naphthalene	128	16.221	16.221	(1.204)	142809	50.0000	48.101
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	71413	50.0000	45.633

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0500723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD050
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	131115	0.00
34 1,4-Difluorobenze	191559	95780	383118	191559	0.00
52 d5-Chlorobenzene	161199	80600	322398	161199	0.00
76 d4-1,4-Dichlorobe	88279	44140	176558	88279	0.00

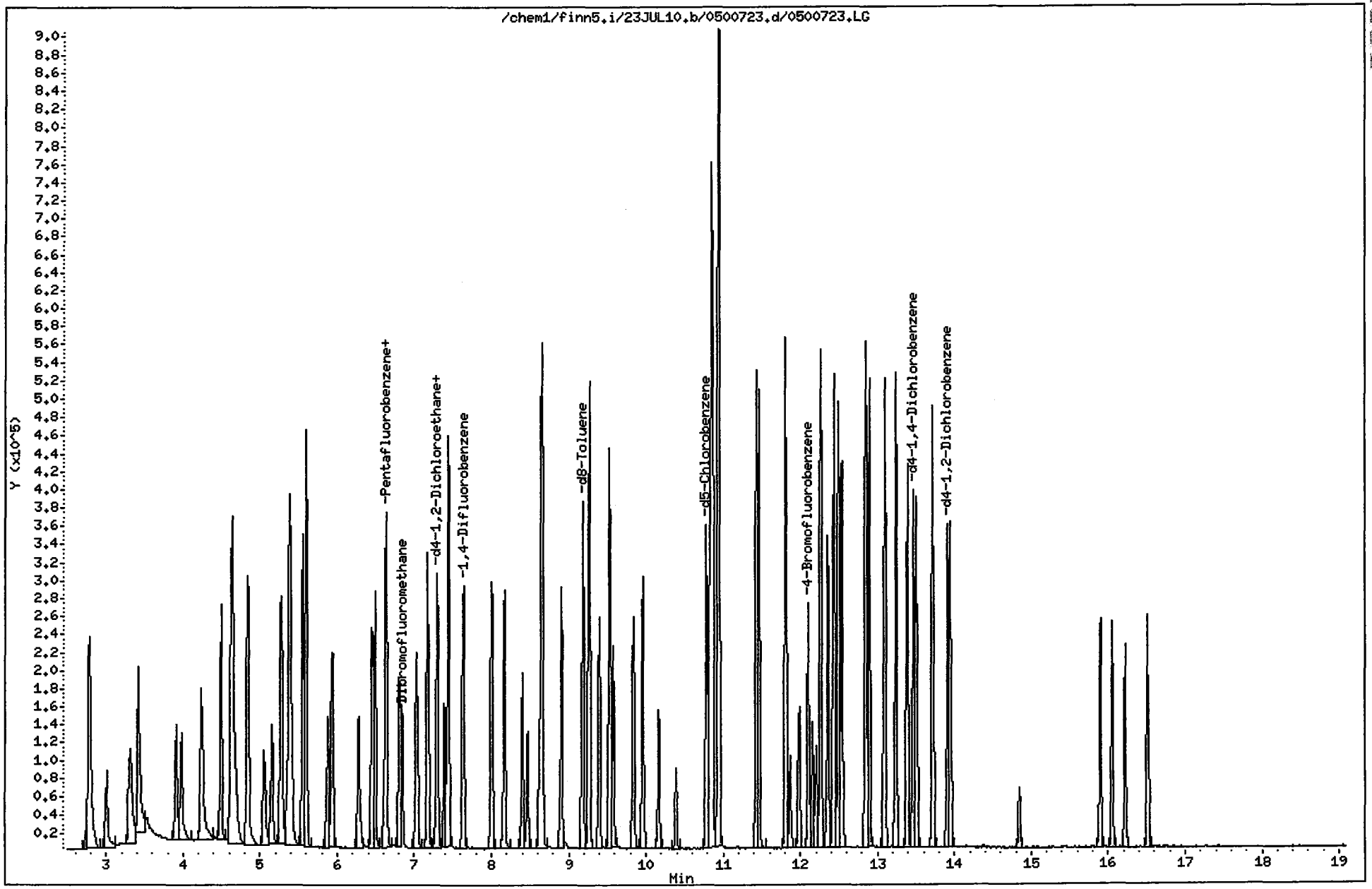
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0500723.d
Date : 23-JUL-2010 18:42
Client ID: VSTD050
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RGS14-00389

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/1000723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD100
Inj Date : 23-JUL-2010 18:16
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 18:16 Cal File: 1000723.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	182544	100.000	104.02
2 Chloromethane	50	3.306	3.306	(0.499)	423802	100.000	89.759
3 Vinyl Chloride	62	3.417	3.417	(0.516)	367442	100.000	98.412
4 Bromomethane	94	3.909	3.909	(0.590)	208154	100.000	102.66
5 Chloroethane	64	3.980	3.980	(0.601)	210640	100.000	86.388
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	346453	100.000	96.008
7 Acrolein	56	4.633	4.633	(0.700)	197468	500.000	438.68
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	264194	100.000	93.516
9 Acetone	43	4.683	4.683	(0.707)	329833	500.000	435.50
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	252737	100.000	98.586
11 Bromoethane	108	5.055	5.055	(0.763)	196835	100.000	103.68
12 Iodomethane	142	5.156	5.156	(0.778)	339831	100.000	112.12
13 Methylene Chloride	84	5.276	5.276	(0.797)	251445	100.000	87.107
14 Acrylonitrile	53	5.357	5.357	(0.809)	69928	100.000	104.57(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	417323	100.000	105.86(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	775986	100.000	97.596
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	225901	100.000	103.40
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	420486	100.000	109.89
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	422564	100.000	105.14
	20 2-Butanone	43	6.281	6.281	(0.948)	437209	500.000	513.04
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	258768	100.000	105.22
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	200756	100.000	104.26
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	135334	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	333986	100.000	102.30
	26 Bromochloromethane	128	6.804	6.804	(1.027)	95093	100.000	104.01
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	79364	50.0000	49.203(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	260275	100.000	102.50
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	277625	100.000	102.36
	30 Carbon Tetrachloride	117	7.286	7.286	(0.954)	236579	100.000	100.30
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	86752	50.0000	49.152
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	238783	100.000	100.28
	33 Benzene	78	7.447	7.447	(0.975)	581109	100.000	88.602
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	199732	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	193783	100.000	100.84
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	206742	100.000	99.998
	37 Bromodichloromethane	83	8.402	8.402	(1.100)	221686	100.000	100.29
	39 Dibromomethane	93	8.472	8.472	(1.109)	104013	100.000	101.35
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	77415	100.000	106.92(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.133)	263763	500.000	499.56(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.166)	270130	100.000	111.93
$	43 d8-Toluene	98	9.186	9.186	(1.203)	215653	50.0000	49.139
	44 Toluene	92	9.266	9.266	(1.213)	377962	100.000	97.129(Q)
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.230)	223383	100.000	110.12
	46 2-Hexanone	43	9.527	9.527	(0.884)	517771	500.000	394.32
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.254)	123034	100.000	101.56
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	232506	100.000	102.84
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	175269	100.000	98.211
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	158474	100.000	104.20
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	131007	100.000	100.96
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	160631	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	376912	100.000	100.04
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	573170	100.000	89.962
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	137418	100.000	95.300
	56 m,p-xylene	106	10.944	10.944	(1.015)	516678	200.000	221.87(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	269989	100.000	111.56(Q)
	58 Styrene	104	11.457	11.457	(1.062)	431090	100.000	115.20
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	588226	100.000	90.704
	60 Bromoform	173	11.869	11.869	(0.881)	103792	100.000	99.542
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	171593	100.000	91.586
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	95036	50.0000	50.553
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	35211	100.000	94.864

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	57625	100.000	100.07
66	N-Propyl Benzene	91	12.261	12.261	(0.910)	642345	100.000	76.727
67	Bromobenzene	156	12.351	12.351	(0.917)	184300	100.000	101.94
68	1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	526617	100.000	100.04
69	2-Chloro Toluene	91	12.492	12.492	(0.928)	543512	100.000	98.805
70	4-Chloro Toluene	91	12.542	12.542	(0.931)	505915	100.000	95.947
71	T-Butyl Benzene	119	12.844	12.844	(0.954)	493329	100.000	109.54
72	1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	539580	100.000	104.12
73	S-Butyl Benzene	105	13.095	13.095	(0.972)	628727	100.000	84.857
74	4-Isopropyl Toluene	119	13.236	13.236	(0.983)	529249	100.000	104.10
75	1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	347593	100.000	112.54
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	96340	50.0000	
77	1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	341992	100.000	110.65
78	N-Butyl Benzene	91	13.718	13.718	(1.019)	548418	100.000	99.896
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	86952	50.0000	49.620
80	1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	305695	100.000	104.14
81	1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	30455	100.000	93.940
82	1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	175953	100.000	98.499
83	Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	115056	100.000	95.632
84	Naphthalene	128	16.221	16.221	(1.204)	300283	100.000	92.679
85	1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	158431	100.000	92.767

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 1000723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD100
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	135334	3.22
34 1,4-Difluorobenze	191559	95780	383118	199732	4.27
52 d5-Chlorobenzene	161199	80600	322398	160631	-0.35
76 d4-1,4-Dichlorobe	88279	44140	176558	96340	9.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

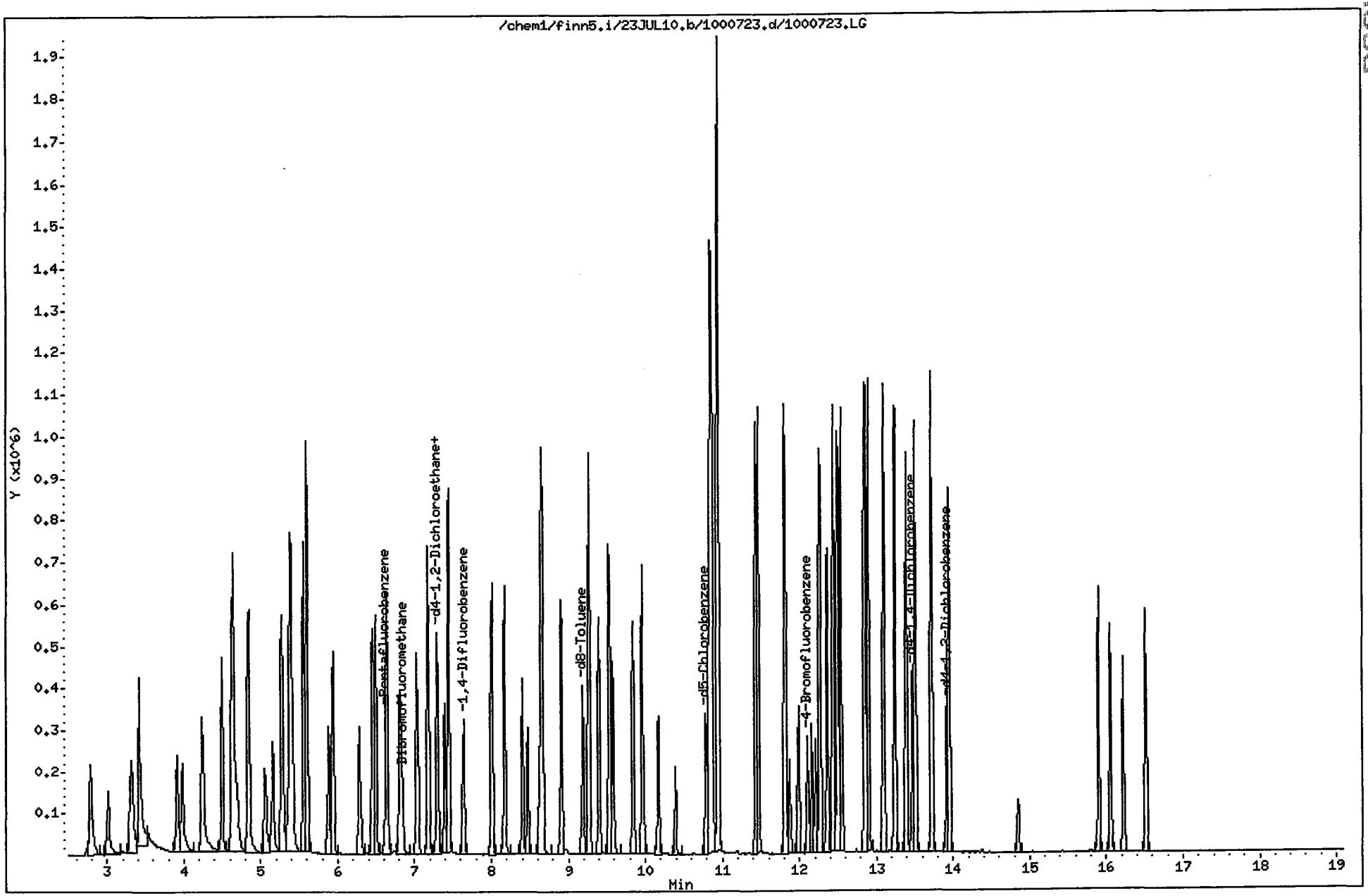
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/1000723.d
Date : 23-JUL-2010 18:16
Client ID: VSTD100
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

RGSI : 99388



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/1500723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD150
Inj Date : 23-JUL-2010 17:49
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:49 Cal File: 1500723.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	295620	150.000	146.34
2 Chloromethane	50	3.316	3.316	(0.501)	648632	150.000	119.34
3 Vinyl Chloride	62	3.417	3.417	(0.516)	547438	150.000	127.37
4 Bromomethane	94	3.909	3.909	(0.590)	302383	150.000	129.55
5 Chloroethane	64	3.980	3.980	(0.601)	293885	150.000	104.71
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	487082	150.000	117.26
7 Acrolein	56	4.633	4.633	(0.700)	278099	750.000	536.71
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	382218	150.000	117.53
9 Acetone	43	4.683	4.683	(0.707)	476748	750.000	546.84
10 1,1-Dichloroethene	96	4.844	4.844	(0.731)	372564	150.000	126.25
11 Bromoethane	108	5.055	5.055	(0.763)	295924	150.000	135.41
12 Iodomethane	142	5.156	5.156	(0.778)	498041	150.000	142.74
13 Methylene Chloride	84	5.276	5.276	(0.797)	383620	150.000	115.45
14 Acrylonitrile	53	5.357	5.357	(0.809)	107704	150.000	139.92(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	613756	150.000	135.24(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	1021453	150.000	111.60(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	357903	150.000	142.31(Q)
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	559418	150.000	127.00
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	586536	150.000	126.78
	20 2-Butanone	43	6.281	6.281	(0.948)	627000	750.000	639.16
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	409501	150.000	144.65
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.982)	321064	150.000	144.85(Q)
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	155784	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	501605	150.000	133.48
	26 Bromochloromethane	128	6.814	6.814	(1.029)	155161	150.000	147.44
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	89065	50.0000	47.969(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	410583	150.000	140.47
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	432896	150.000	139.46
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	377891	150.000	140.00
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	96098	50.0000	47.300
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	373218	150.000	136.97
	33 Benzene	78	7.447	7.447	(0.975)	746304	150.000	99.432
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	228573	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	307337	150.000	139.76
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	322596	150.000	136.35
	37 Bromodichloromethane	83	8.402	8.402	(1.100)	353775	150.000	139.85
	39 Dibromomethane	93	8.472	8.472	(1.109)	162509	150.000	138.36
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	128070	150.000	154.56(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.133)	417853	750.000	691.54(Q)
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	424803	150.000	153.81
$	43 d8-Toluene	98	9.186	9.186	(1.203)	239633	50.0000	47.713
	44 Toluene	92	9.266	9.266	(1.213)	537240	150.000	120.64(Q)
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.230)	359227	150.000	154.74
	46 2-Hexanone	43	9.537	9.537	(0.884)	658433	750.000	450.96(Q)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.254)	199640	150.000	144.00
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	362456	150.000	144.18
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	291013	150.000	146.65
	50 Chlorodibromomethane	129	10.171	10.171	(0.943)	256549	150.000	151.70
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	211704	150.000	142.56
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	178614	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.005)	526215	150.000	125.61
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	719154	150.000	101.51(Q)
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	235095	150.000	146.62
	56 m,p-xylene	106	10.944	10.944	(1.015)	693534	300.000	267.84(Q)
	57 o-Xylene	106	11.437	11.437	(1.061)	443859	150.000	164.93(Q)
	58 Styrene	104	11.467	11.467	(1.063)	604009	150.000	145.16
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	765486	150.000	92.525
	60 Bromoform	173	11.869	11.869	(0.881)	184206	150.000	138.48
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	287454	150.000	120.26
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	109555	50.0000	52.409
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	59137	150.000	124.89

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	94977	150.000	129.29
	66 N-Propyl Benzene	91	12.271	12.271	(0.911)	798434	150.000	74.759(Q)
	67 Bromobenzene	156	12.351	12.351	(0.917)	321436	150.000	139.37(Q)
	68 1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.924)	708315	150.000	105.47(Q)
	69 2-Chloro Toluene	91	12.502	12.502	(0.928)	729939	150.000	104.02
	70 4-Chloro Toluene	91	12.542	12.542	(0.931)	684866	150.000	101.81
	71 T-Butyl Benzene	119	12.854	12.854	(0.954)	722068	150.000	125.68
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	731940	150.000	110.71(Q)
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	812152	150.000	85.922
	74 4-Isopropyl Toluene	119	13.246	13.246	(0.984)	739478	150.000	114.02
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	545268	150.000	138.38
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	122904	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	547350	150.000	138.82
	78 N-Butyl Benzene	91	13.718	13.718	(1.019)	717047	150.000	102.38(Q)
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	108113	50.0000	48.361
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	516441	150.000	137.91
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.103)	50577	150.000	122.29
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	304271	150.000	133.52
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	204107	150.000	132.98
	84 Naphthalene	128	16.221	16.221	(1.204)	474513	150.000	114.80
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	271577	150.000	124.65

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 1500723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD150
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	155784	18.81
34 1,4-Difluorobenze	191559	95780	383118	228573	19.32
52 d5-Chlorobenzene	161199	80600	322398	178614	10.80
76 d4-1,4-Dichlorobe	88279	44140	176558	122904	39.22

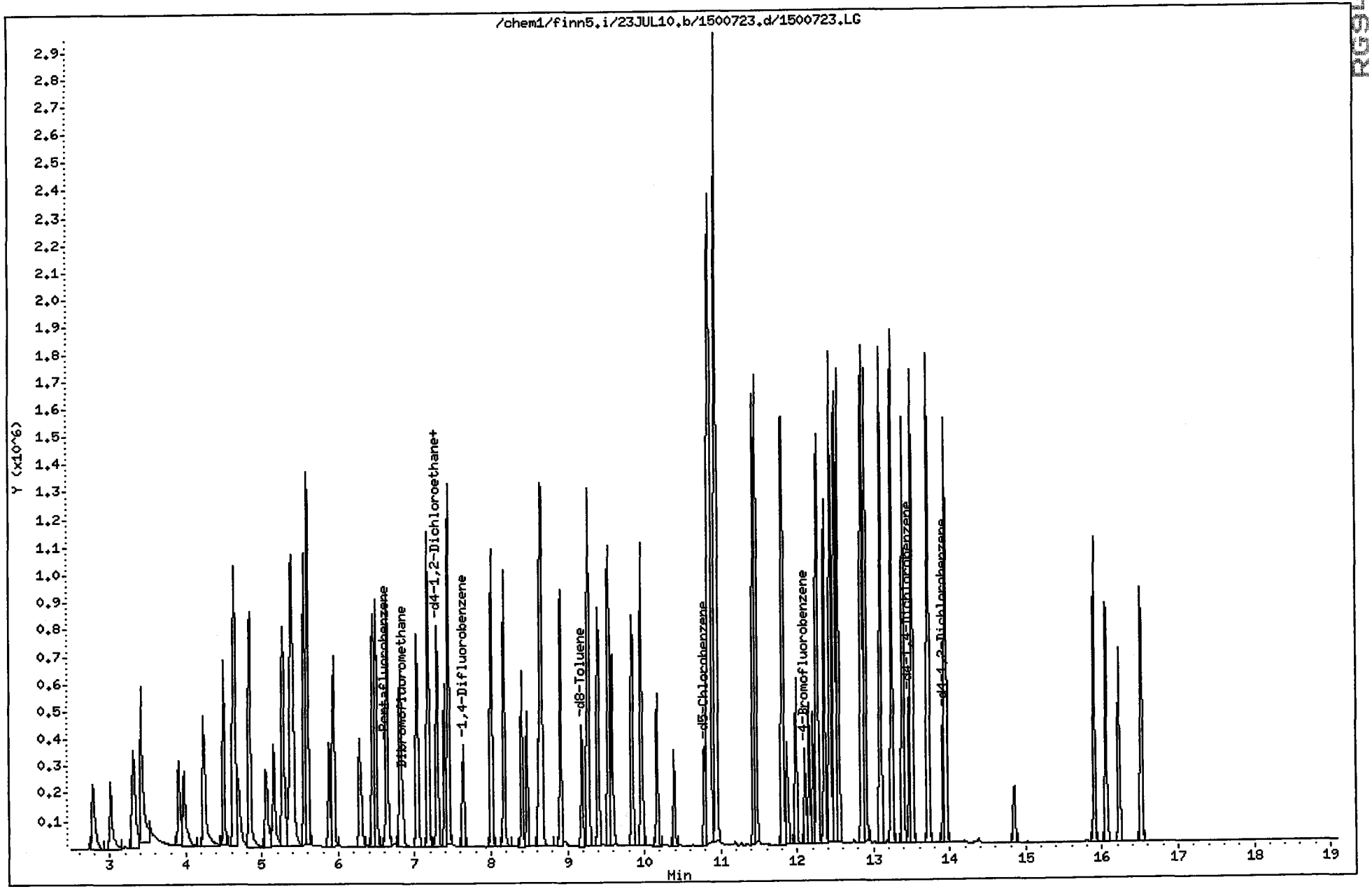
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/1500723.d
Date : 23-JUL-2010 17:49
Client ID: VSTD150
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/2000723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD200
Inj Date : 23-JUL-2010 17:18
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	382873	200.000	185.53
2 Chloromethane	50	3.316	3.316	(0.501)	831334	200.000	149.72
3 Vinyl Chloride	62	3.417	3.417	(0.516)	675701	200.000	153.89
4 Bromomethane	94	3.909	3.909	(0.590)	368903	200.000	154.71
5 Chloroethane	64	3.980	3.980	(0.601)	364783	200.000	127.22
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	615782	200.000	145.11
7 Acrolein	56	4.633	4.633	(0.700)	343518	1000.00	648.94
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	482521	200.000	145.24
9 Acetone	43	4.693	4.693	(0.709)	560993	1000.00	629.87
10 1,1-Dichloroethene	96	4.844	4.844	(0.731)	470540	200.000	156.08(Q)
11 Bromoethane	108	5.055	5.055	(0.763)	376320	200.000	168.56
12 Iodomethane	142	5.156	5.156	(0.778)	652382	200.000	183.02
13 Methylene Chloride	84	5.276	5.276	(0.797)	495091	200.000	145.85(Q)
14 Acrylonitrile	53	5.367	5.367	(0.810)	139945	200.000	177.96(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.407	5.407	(0.816)	732622	200.000	158.02(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	1217955	200.000	130.26(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	459768	200.000	178.95(Q)
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	672353	200.000	149.42
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	680449	200.000	143.96
	20 2-Butanone	43	6.291	6.291	(0.950)	785164	1000.00	783.47
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	544411	200.000	188.24
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.982)	438984	200.000	193.86
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	159149	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	610807	200.000	159.10
	26 Bromochloromethane	128	6.814	6.814	(1.029)	213240	200.000	198.34
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	84837	50.0000	44.726(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	549252	200.000	183.94
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	545791	200.000	175.44
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	522753	200.000	193.23
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	89066	50.0000	42.912
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	485007	200.000	177.58
	33 Benzene	78	7.447	7.447	(0.975)	870526	200.000	115.72
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	229095	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	422519	200.000	191.70
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	435024	200.000	183.44
	37 Bromodichloromethane	83	8.412	8.412	(1.101)	471123	200.000	185.82
	39 Dibromomethane	93	8.472	8.472	(1.109)	228343	200.000	193.98
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	181565	200.000	218.62(Q)
	41 4-Methyl-2-Pentanone	58	8.663	8.663	(1.134)	536767	1000.00	886.32(Q)
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	522307	200.000	188.68
$	43 d8-Toluene	98	9.186	9.186	(1.203)	239843	50.0000	47.646
	44 Toluene	92	9.276	9.276	(1.214)	647650	200.000	145.10(Q)
	45 Trans 1,3-Dichloropropene	75	9.407	9.407	(1.232)	465557	200.000	200.09
	46 2-Hexanone	43	9.537	9.537	(0.884)	763183	1000.00	544.40(Q)
	47 1,1,2-Trichloroethane	97	9.588	9.588	(1.255)	280030	200.000	201.53
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	469237	200.000	194.40
	49 Tetrachloroethene	166	9.960	9.960	(0.923)	404966	200.000	212.54
	50 Chlorodibromomethane	129	10.171	10.171	(0.942)	362369	200.000	223.17
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	296560	200.000	199.25
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	171495	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.004)	637891	200.000	158.58
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	844494	200.000	124.15(Q)
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.864	(1.007)	337259	200.000	219.07
	56 m,p-xylene	106	10.944	10.944	(1.014)	845893	400.000	340.24(Q)
	57 o-Xylene	106	11.437	11.437	(1.060)	593625	200.000	229.74(Q)
	58 Styrene	104	11.467	11.467	(1.062)	750474	200.000	187.84(Q)
	59 Isopropyl Benzene	105	11.819	11.819	(0.878)	880078	200.000	89.802(Q)
	60 Bromoform	173	11.879	11.879	(0.882)	275819	200.000	175.04
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	411745	200.000	145.43
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	119170	50.0000	59.375
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	85172	200.000	151.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	138249	200.000	158.87
66	N-Propyl Benzene	91	12.271	12.271	(0.911)	919942	200.000	72.715(Q)
67	Bromobenzene	156	12.361	12.361	(0.918)	475914	200.000	174.20(Q)
68	1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.924)	843459	200.000	106.02(Q)
69	2-Chloro Toluene	91	12.502	12.502	(0.928)	835546	200.000	100.51(Q)
70	4-Chloro Toluene	91	12.552	12.552	(0.932)	905693	200.000	113.66(Q)
71	T-Butyl Benzene	119	12.854	12.854	(0.954)	852231	200.000	125.22(Q)
72	1,2,4-Trimethylbenzene	105	12.904	12.904	(0.958)	866210	200.000	110.61(Q)
73	S-Butyl Benzene	105	13.095	13.095	(0.972)	959505	200.000	85.695(Q)
74	4-Isopropyl Toluene	119	13.246	13.246	(0.984)	862152	200.000	112.22(Q)
75	1,3-Dichlorobenzene	146	13.397	13.397	(0.995)	707131	200.000	151.50
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	145587	50.0000	
77	1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	703363	200.000	150.59
78	N-Butyl Benzene	91	13.728	13.728	(1.019)	866011	200.000	104.39(Q)
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.034)	127083	50.0000	47.990
80	1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	673403	200.000	151.80
81	1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.103)	74509	200.000	152.08
82	1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	430578	200.000	159.50
83	Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	315558	200.000	173.56
84	Naphthalene	128	16.231	16.231	(1.205)	551716	200.000	112.68
85	1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	376206	200.000	145.77

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 2000723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD200
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	159149	21.38
34 1,4-Difluorobenze	191559	95780	383118	229095	19.60
52 d5-Chlorobenzene	161199	80600	322398	171495	6.39
76 d4-1,4-Dichlorobe	88279	44140	176558	145587	64.92

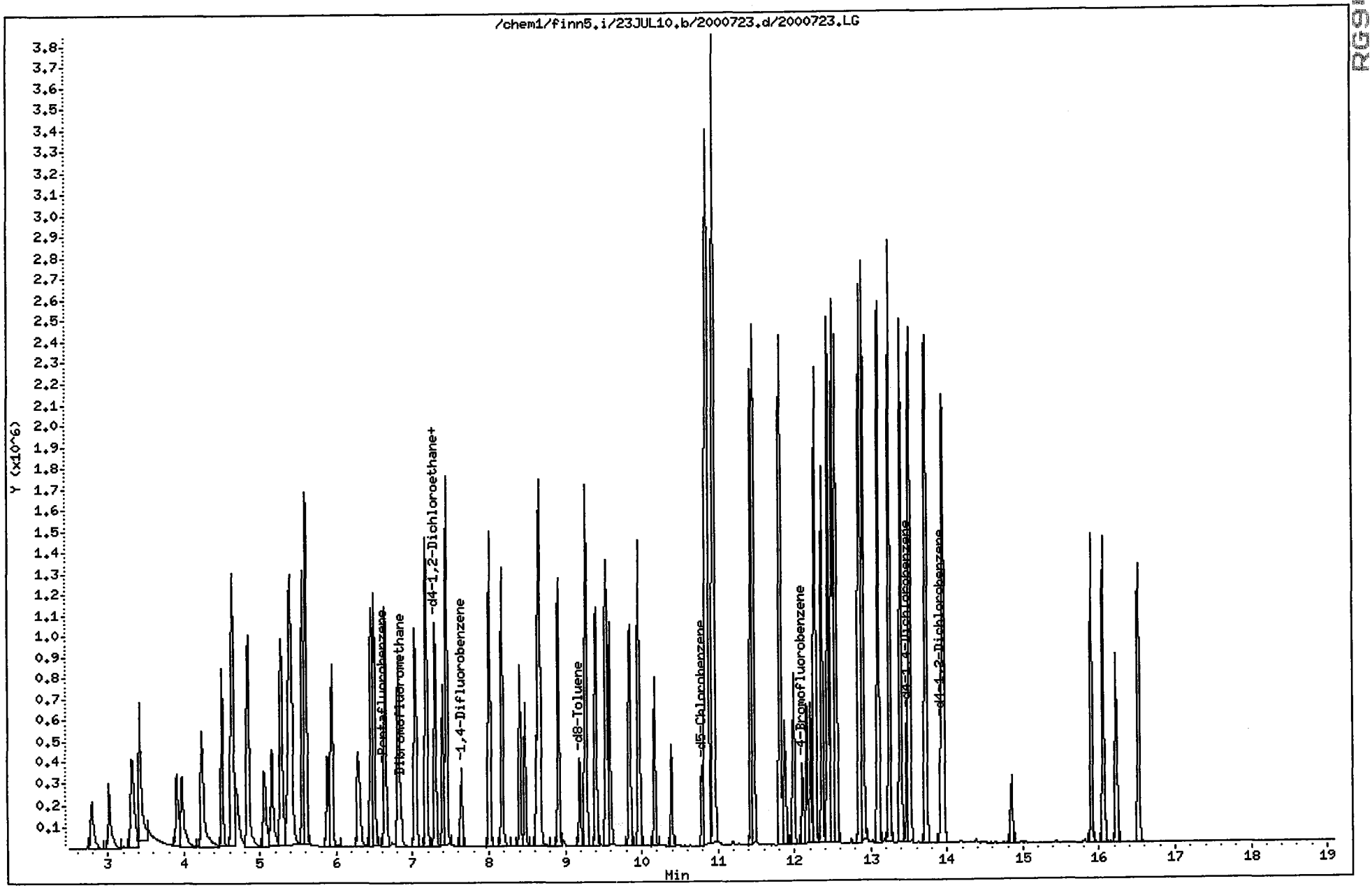
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.79	0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/2000723.d
Date : 23-JUL-2010 17:18
Client ID: VSTD200
Sample Info: IC0723,5,5,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/ICV0723.d
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Inj Date : 23-JUL-2010 22:14
Operator : PB Inst ID: finn5.i
Smp Info : ICV0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.015	(0.454)	88303	52.1032	52.103
2 Chloromethane	50	3.306	3.316	(0.499)	217848	47.7755	47.775
3 Vinyl Chloride	62	3.417	3.417	(0.516)	192357	53.3461	53.346
4 Bromomethane	94	3.909	3.909	(0.590)	122206	62.4063	62.406
5 Chloroethane	64	3.980	3.980	(0.601)	123869	52.6030	52.603
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	196733	56.4516	56.452
7 Acrolein	56	4.623	4.633	(0.698)	109928	252.871	252.87
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	142159	52.1041	52.104
9 Acetone	43	4.683	4.693	(0.707)	183316	250.626	250.63
10 1,1-Dichloroethene	96	4.834	4.844	(0.730)	130784	52.8244	52.824
11 Bromoethane	108	5.055	5.055	(0.763)	98954	53.9712	53.971
12 Iodomethane	142	5.156	5.156	(0.778)	164327	56.1364	56.136
13 Methylene Chloride	84	5.276	5.276	(0.797)	130295	46.7382	46.738
14 Acrylonitrile	53	5.357	5.367	(0.809)	36679	56.7973	56.797(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.407	(0.815)	193967	50.9456	50.946 (Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	446067	58.0915	58.092
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	107789	51.0864	51.086
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	205828	55.6982	55.698
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	207542	53.4687	53.469
	20 2-Butanone	43	6.281	6.291	(0.948)	220070	267.396	267.40
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	115299	48.5440	48.544
	22 Cis-1,2-Dichloroethene	96	6.492	6.502	(0.980)	96880	52.0962	52.096
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	130699	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	163311	51.7971	51.797
	26 Bromochloromethane	128	6.804	6.814	(1.027)	45855	51.9357	51.936
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	79530	51.0546	51.055 (Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	121554	49.5682	49.568
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	128897	48.8768	48.877
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	112147	48.9029	48.903
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	85607	50.2236	50.224
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	113558	49.0506	49.051
	33 Benzene	78	7.437	7.447	(0.974)	327392	51.3396	51.340
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	194200	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	89432	47.8663	47.866
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	96896	48.2020	48.202
	37 Bromodichloromethane	83	8.402	8.412	(1.100)	105966	49.3042	49.304
	39 Dibromomethane	93	8.472	8.472	(1.109)	50061	50.1678	50.168
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	36400	51.7056	51.706 (Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.663	(1.133)	124957	243.406	243.40
	42 Cis 1,3-dichloropropene	75	8.904	8.914	(1.166)	119381	50.8758	50.876
$	43 d8-Toluene	98	9.186	9.186	(1.203)	213419	50.0149	50.015
	44 Toluene	92	9.266	9.276	(1.213)	178106	47.0736	47.074
	45 Trans 1,3-Dichloropropene	75	9.397	9.407	(1.230)	97312	49.3376	49.338
	46 2-Hexanone	43	9.527	9.537	(0.884)	302971	230.222	230.22
	47 1,1,2-Trichloroethane	97	9.578	9.588	(1.254)	58163	49.3789	49.379
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	111278	49.1112	49.111
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	77284	43.2093	43.209
	50 Chlorodibromomethane	129	10.161	10.171	(0.942)	74343	48.7727	48.773
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	60617	48.0450	48.045
*	52 d5-Chlorobenzene	117	10.784	10.794	(1.000)	160989	50.0000	
	53 Chlorobenzene	112	10.824	10.834	(1.004)	173699	46.0010	46.001
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	323591	50.6763	50.676
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.864	(1.007)	63372	43.8510	43.851
	56 m,p-xylene	106	10.944	10.944	(1.015)	245109	105.022	105.02
	57 o-Xylene	106	11.427	11.437	(1.060)	120691	49.7567	49.757
	58 Styrene	104	11.457	11.467	(1.062)	197449	52.6464	52.646
	59 Isopropyl Benzene	105	11.809	11.819	(0.877)	319484	52.7192	52.719
	60 Bromoform	173	11.869	11.879	(0.881)	46057	47.2689	47.269
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	81604	46.6101	46.610
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	92917	49.3160	49.316
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	16385	47.2399	47.240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	26774	49.7563	49.756
	66 N-Propyl Benzene	91	12.261	12.271	(0.910)	379504	48.5107	48.511
	67 Bromobenzene	156	12.351	12.361	(0.917)	77896	46.1089	46.109
	68 1,3,5-Trimethyl Benzene	105	12.432	12.442	(0.923)	260307	52.9158	52.916
	69 2-Chloro Toluene	91	12.492	12.502	(0.928)	265535	51.6571	51.657
	70 4-Chloro Toluene	91	12.542	12.552	(0.931)	238191	48.3413	48.341
	71 T-Butyl Benzene	119	12.844	12.854	(0.954)	232736	55.3018	55.302
	72 1,2,4-Trimethylbenzene	105	12.894	12.904	(0.957)	256248	52.9143	52.914
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	356050	51.4252	51.425
	74 4-Isopropyl Toluene	119	13.236	13.246	(0.983)	257043	54.1060	54.106
	75 1,3-Dichlorobenzene	146	13.387	13.397	(0.994)	136992	47.4636	47.464
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	90026	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	134851	46.6906	46.691
	78 N-Butyl Benzene	91	13.718	13.728	(1.019)	266189	51.8878	51.888
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.919	(1.033)	82049	50.1059	50.106
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	130036	47.4052	47.405
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.854	(1.102)	14043	46.3542	46.354
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	62702	37.5627	37.563 (R)
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	47253	42.0301	42.030
	84 Naphthalene	128	16.221	16.231	(1.204)	125569	41.4735	41.473
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	61205	38.3513	38.351

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: ICV0723.d
Lab Smp Id: ICV0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: ICV0723
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	130699	-0.32
34 1,4-Difluorobenze	191559	95780	383118	194200	1.38
52 d5-Chlorobenzene	161199	80600	322398	160989	-0.13
76 d4-1,4-Dichlorobe	88279	44140	176558	90026	1.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 23JUL10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Level: LOW Operator: PB
Data Type: MS DATA SampleType: LCS
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	52.103	104.21	53-148
2	Chloromethane	50.000	47.775	95.55	64-125
3	Vinyl Chloride	50.000	53.346	106.69	63-137
4	Bromomethane	50.000	62.406	124.81	57-136
5	Chloroethane	50.000	52.603	105.21	64-131
6	Trichlorofluoromet	50.000	56.452	112.90	69-132
7	Acrolein	250.00	252.87	101.15	54-137
8	112Trichloro122Tri	50.000	52.104	104.21	74-130
9	Acetone	250.00	250.63	100.25	60-131
10	1,1-Dichloroethene	50.000	52.824	105.65	75-126
11	Bromoethane	50.000	53.971	107.94	76-126
12	Iodomethane	50.000	56.136	112.27	65-139
13	Methylene Chloride	50.000	46.738	93.48	70-123
15	Carbon Disulfide	50.000	58.092	116.18	71-129
14	Acrylonitrile	50.000	56.797	113.59	67-125
16	Methyl tert-Butyl	50.000	50.946	101.89	70-120
17	Trans-1,2-Dichloro	50.000	51.086	102.17	80-120
18	Vinyl Acetate	50.000	55.698	111.40	60-136
19	1,1-Dichloroethane	50.000	53.469	106.94	80-120
20	2-Butanone	250.00	267.40	106.96	70-120
21	2,2-Dichloropropan	50.000	48.544	97.09	74-123
22	Cis-1,2-Dichloroet	50.000	52.096	104.19	80-120
24	Chloroform	50.000	51.797	103.59	80-120
26	Bromochloromethane	50.000	51.936	103.87	80-120
27	1,1,1-Trichloroeth	50.000	49.568	99.14	77-121
29	1,1-Dichloropropen	50.000	48.877	97.75	80-120
30	Carbon Tetrachlori	50.000	48.903	97.81	77-122
32	1,2-Dichloroethane	50.000	49.051	98.10	76-120
33	Benzene	50.000	51.340	102.68	80-120
35	Trichloroethene	50.000	47.866	95.73	80-120
36	1,2-Dichloropropan	50.000	48.202	96.40	80-120
37	Bromodichlorometha	50.000	49.304	98.61	77-121
39	Dibromomethane	50.000	50.168	100.34	80-120

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40	2-Chloroethyl Viny	50.000	51.706	103.41	10-191
41	4-Methyl-2-Pentano	250.00	243.40	97.36	67-120
42	Cis 1,3-dichloropr	50.000	50.876	101.75	74-120
44	Toluene	50.000	47.074	94.15	80-120
45	Trans 1,3-Dichloro	50.000	49.338	98.68	65-120
46	2-Hexanone	250.00	230.22	92.09	65-130
47	1,1,2-Trichloroeth	50.000	49.379	98.76	80-120
48	1,3-Dichloropropan	50.000	49.111	98.22	80-120
49	Tetrachloroethene	50.000	43.209	86.42	80-121
50	Chlorodibromometha	50.000	48.773	97.55	64-120
51	1,2-Dibromoethane	50.000	48.045	96.09	75-120
53	Chlorobenzene	50.000	46.001	92.00	80-120
55	1,1,1,2-Tetrachlor	50.000	43.851	87.70	69-121
54	Ethyl Benzene	50.000	50.676	101.35	80-127
56	m,p-xylene	100.00	105.02	105.02	80-125
57	o-Xylene	50.000	49.757	99.51	78-120
58	Styrene	50.000	52.646	105.29	80-123
59	Isopropyl Benzene	50.000	52.719	105.44	80-127
60	Bromoform	50.000	47.269	94.54	60-120
61	1,1,2,2-Tetrachlor	50.000	46.610	93.22	74-120
63	1,2,3-Trichloropro	50.000	47.240	94.48	72-121
65	Trans-1,4-Dichloro	50.000	49.756	99.51	65-126
66	N-Propyl Benzene	50.000	48.511	97.02	80-132
67	Bromobenzene	50.000	46.109	92.22	80-120
68	1,3,5-Trimethyl Be	50.000	52.916	105.83	80-125
69	2-Chloro Toluene	50.000	51.657	103.31	80-125
70	4-Chloro Toluene	50.000	48.341	96.68	80-127
71	T-Butyl Benzene	50.000	55.302	110.60	87-122
72	1,2,4-Trimethylben	50.000	52.914	105.83	80-126
73	S-Butyl Benzene	50.000	51.425	102.85	80-134
74	4-Isopropyl Toluen	50.000	54.106	108.21	80-131
75	1,3-Dichlorobenzen	50.000	47.464	94.93	80-120
77	1,4-Dichlorobenzen	50.000	46.691	93.38	80-120
78	N-Butyl Benzene	50.000	51.888	103.78	80-138
80	1,2-Dichlorobenzen	50.000	47.405	94.81	80-120
81	1,2-Dibromo 3-Chlo	50.000	46.354	92.71	59-120
82	1,2,4-Trichloroben	50.000	37.563	75.13*	78-130
83	Hexachloro 1,3-But	50.000	42.030	84.06	76-129
84	Naphthalene	50.000	41.473	82.95	66-120
85	1,2,3-Trichloroben	50.000	38.351	76.70	73-123

SURROGATE	COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25	Dibromofluorometha	50.000	51.055	102.11	30-160

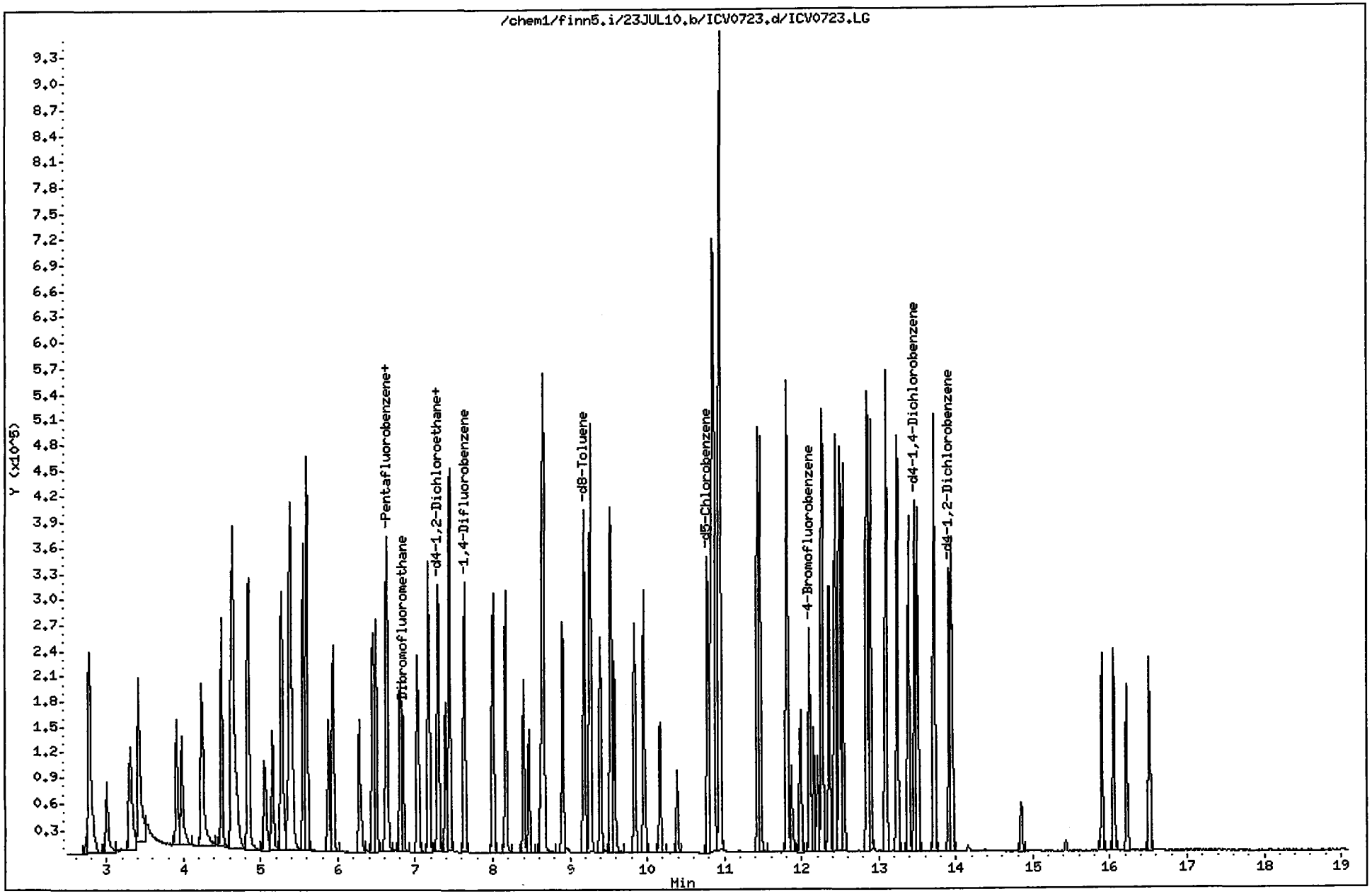
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	50.224	100.45	75-152
$ 43 d8-Toluene	50.000	50.015	100.03	82-115
$ 62 4-Bromofluorobenze	50.000	49.316	98.63	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.106	100.21	80-120

Data File: /chem1/finn5.i/23JUL10.b/ICV0723.d
Date : 23-JUL-2010 22:14
Client ID: ICV0723
Sample Info: ICV0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: 4610 ICAL Client ID: _____

ARI SOP: **404S**(Gas) **410S**(BTEX) **430S**(VPH) **700S**(8260C) **703S**(SIM) **706S**(524.2) **710S**(RSK-175)

Parameter(s): 8260C

Instrument: NT-3 NT-5 NT-7 NT-9 (NT-10) PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 10 Curve Date: 8/10/10 Analysis Start Date: _____

pH ≤ 2.0	YES / NO / NA	Method Blank In Control?	(YES) / NO
BFB Tune Meets Criteria?	(YES) / NO / NA	LCS / LCSD Recovery In Control?	(YES) / NO
Internal Standard Meets Criteria?	(YES) / NO / NA	Surrogate Recovery In Control?	(YES) / NO
ICal acceptable?	(YES) / NO	CCal acceptable?	(YES) / NO
Q flag applied?	YES / (NO) / NA	Q flag applied?	YES / (NO) / NA
Manual Integrations for ICal?	(YES) / NO	Manual Integrations for Samples?	(Yes) / NO
Special Analysis Criteria Met?	YES / NO / (NA)		

Bubbles/Headspace: None SM (≤ 2mm •) PB (2-4mm) LG (> 4mm ●) Head Space

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

ICV Carbon disulfide ~~72,98%~~ 74,38%
ICV VA 72,98%

Additional Details on Reverse: Yes / No

Analyst: Paul Eggert **Date:** 8/11/10

Reviewer: VB **Date:** 8.11.10

Analytical Resources Inc.: Volatile Organics Instrument Log

NT-10 Serial No.:GC=CN10837018, MS= US83131105

Date: 8/10/10 Analysis: 8260 Analyst: PC

GC Program: VOA10 Column No: 888268 Column Type: RTX-VMS

Instrument Tune (.U or .CT.): 08100816 EM Voltage: 1505

Calibration File: 08101020 Curve Date: 8/10/10

IS/SS	Ical/Ccal	LCS/ICV
VM637-4	VM649-1	VM637-2
	VM646-1	VM643-4
	VM644-2	VM643-3
	VM647-3	
	VM645-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt10.i/10AUG10.b

	Time	Filename	LabID	ClientID	WT								
1	0940	08101001.d	BFB0810	BFB0810	0.00								
2	1014	08101002.d	CC0810	CC0810	1 | 5.24	772519 | 5.63	1426773 | 7.72	1364083 | 9.43	784745				
3	1040	08101003.d	LCS0810	LCS0810	1 | 5.24	736495 | 5.63	1368741 | 7.72	1299480 | 9.43	796687				
4	1106	08101004.d	LCSD0810	LCSD0810	1 | 5.24	730595 | 5.63	1355494 | 7.72	1184498 | 9.43	628443				
5	1131	08101005.d	MB0810	MB0810	1 | 5.24	768360 | 5.64	1401691 | 7.72	1232941 | 9.43	587544				
6	1202	08101006.d	BFB0810	BFB0810	0.00								
7	1229	08101007.d	CC0810	CC0810	1 | 5.24	718370 | 5.63	1321351 | 7.72	1243185 | 9.43	687840				
8	1304	08101008.d	LCS0810	LCS0810	1 | 5.24	722216 | 5.63	1336535 | 7.72	1216216 | 9.43	662085				
9	1330	08101009.d	LCSD0810	LCSD0810	1 | 5.24	733197 | 5.63	1364084 | 7.72	1291874 | 9.43	768715				
10	1402	08101011.d	MB0810	MB0810	1 | 5.24	703909 | 5.63	1283727 | 7.72	1120027 | 9.43	563748				
11	1428	08101012.d	RG63F	TRIP BLANK	1 | 5.24	717796 | 5.63	1310542 | 7.72	1184942 | 9.43	591364				
12	1454	08101013.d	RH58A	10080118	1 | 5.24	670591 | 5.64	1223737 | 7.72	1079478 | 9.43	549627				
13	1519	08101014.d	RH42C	EW-4 BOTTOM	1 | 5.24	662025 | 5.64	1202115 | 7.72	1074132 | 9.43	550853				
14	1616	08101016.d	BFB0810	BFB0810	0.00								
15	1650	08101017.d	IC60	60 ppb	1 | 5.24	775367 | 5.63	1417611 | 7.72	1399934 | 9.43	683726				
16	1715	08101018.d	IC40	40 ppb	1 | 5.24	800496 | 5.64	1463603 | 7.72	1425310 | 9.43	737522				
17	1741	08101019.d	IC20	20 ppb	1 | 5.24	784927 | 5.64	1434890 | 7.72	1287875 | 9.43	628786				
18	1806	08101020.d	IC10	10 ppb	1 | 5.24	809846 | 5.64	1494542 | 7.72	1406726 | 9.43	781222				
19	1831	08101021.d	IC02	2 ppb	1 | 5.24	701848 | 5.63	1291441 | 7.72	1205067 | 9.43	691791				
20	1856	08101022.d	IC01	1 ppb	1 | 5.24	675178 | 5.63	1233362 | 7.72	1082231 | 9.43	529247				
21	1921	08101023.d	IC0.5	0.5 ppb	1 | 5.24	670840 | 5.64	1214760 | 7.72	1070535 | 9.43	519545				
22	1947	08101024.d	IC0.2	0.2 ppb	1 | 5.24	664326 | 5.64	1206010 | 7.72	1077737 | 9.43	553620				
23	2012	08101025.d	ICV10	ICV10	1 | 5.24	722497 | 5.63	1328272 | 7.72	1249870 | 9.43	679394				

PC 8/12/10

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt10.i/10AUG10.b

ARI Job No.: IC60 Method: 82600806L.m Instrument: nt10.i Date: 10-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1650	08101017.d	IC60	60 ppb	1	NO MANUAL INTEGRATION
1715	08101018.d	IC40	40 ppb	1	112Trichloro122Trifluoroethane, Dichlorodifluoromethane,
1741	08101019.d	IC20	20 ppb	1	Trichlorofluoromethane,
1806	08101020.d	IC10	10 ppb	1	NO MANUAL INTEGRATION
1831	08101021.d	IC02	2 ppb	1	Acrylonitrile,
1856	08101022.d	IC01	1 ppb	1	NO MANUAL INTEGRATION
1921	08101023.d	IC0.5	0.5 ppb	1	Acetone, Methylene Chloride,
1947	08101024.d	IC0.2	0.2 ppb	1	Acetone, Acrylonitrile, Trans-1,2-Dichloroethene, Bromochloromethane,
2012	08101025.d	ICV10	ICV10	1	Trichlorofluoromethane,

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Batch File: /chem1/nt10.i/10AUG10.b
Inst ID: nt10.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	RT09
FILENAME:	08101017	08101018	08101019	08101020	08101021	08101022	08101023	08101024	08101025
INJ.DATE:	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010	10-AUG-2010
INJ.TIME:	16:50	17:15	17:41	18:06	18:31	18:56	19:21	19:47	20:12

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	RT09	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Dichlorodifluoromethan	1.294	1.300	1.300	1.299	1.294	1.294	1.300	1.317	1.300	1.299	1.195-1.404	1.300	0.007
2 Chloromethane	1.430	1.436	1.442	1.442	1.436	1.436	1.436	1.436	1.436	1.442	1.337-1.546	1.437	0.003
3 Vinyl Chloride	1.516	1.516	1.516	1.516	1.510	1.510	1.510	1.510	1.510	1.516	1.411-1.620	1.513	0.003
4 Bromomethane	1.789	1.795	1.800	1.800	1.800	1.789	1.789	1.789	1.800	1.800	1.695-1.905	1.795	0.006
5 Chloroethane	1.908	1.920	1.920	1.925	1.920	1.914	1.914	1.920	1.920	1.925	1.821-2.030	1.918	0.005
6 Trichlorofluoromethane	2.005	2.011	2.011	2.011	2.011	2.011	2.011	2.022	2.011	2.011	1.906-2.115	2.012	0.004
7 Allyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	4.560	4.455-4.665	+++++	+++++
8 Acrolein	2.870	2.876	2.876	2.876	2.870	2.876	2.876	2.870	2.870	2.876	2.771-2.981	2.873	0.003
9 112Trichloro122Trifluo	2.574	2.580	2.580	2.586	2.580	2.580	2.574	2.580	2.586	2.586	2.481-2.690	2.580	0.004
10 Acetone	3.217	3.223	3.223	3.223	3.223	3.223	3.217	3.212	3.223	3.223	3.118-3.328	3.221	0.004
11 1,1-Dichloroethene	2.489	2.489	2.495	2.494	2.495	2.495	2.495	2.500	2.489	2.494	2.390-2.599	2.493	0.004
12 Bromoethane	2.756	2.762	2.762	2.768	2.762	2.768	2.768	2.762	2.762	2.768	2.663-2.872	2.763	0.004
13 Iodomethane	2.620	2.626	2.626	2.625	2.626	2.626	2.626	2.626	2.626	2.625	2.521-2.730	2.625	0.002
14 Methylene Chloride	3.138	3.138	3.143	3.143	3.138	3.144	3.143	3.149	3.138	3.143	3.038-3.248	3.142	0.004
15 Acrylonitrile	4.014	4.020	4.020	4.020	4.014	4.014	4.020	4.026	4.014	4.020	3.915-4.124	4.018	0.004
16 Methyl tert butyl ethe	3.456	3.457	3.462	3.462	3.462	3.462	3.462	3.462	3.456	3.462	3.357-3.567	3.460	0.003
17 Carbon Disulfide	2.489	2.495	2.495	2.494	2.495	2.500	2.500	2.500	2.495	2.494	2.390-2.599	2.496	0.004

Reviewer 1 FC Date: 8/11/10
Reviewer 2 VTJ Date: 8-11-10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Batch File: /chem1/nt10.i/10AUG10.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	RT09	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	18 Trans-1,2-Dichloroethe	3.308	3.314	3.314	3.314	3.314	3.320	3.314	3.308	3.314	3.314	3.209-3.419	3.314	0.003
	19 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.693	5.580-5.805	+++++	+++++
	20 Vinyl Acetate	4.219	4.225	4.225	4.225	4.225	4.225	4.225	4.225	4.219	4.225	4.120-4.329	4.223	0.003
	21 1,1-Dichloroethane	3.946	3.946	3.952	3.946	3.946	3.952	3.946	3.952	3.946	3.946	3.841-4.050	3.948	0.003
	22 2-Butanone	4.953	4.953	4.959	4.959	4.953	4.959	4.959	4.959	4.959	4.959	4.854-5.063	4.957	0.003
	23 2,2-Dichloropropane	4.532	4.532	4.532	4.532	4.532	4.532	4.532	4.532	4.532	4.532	4.427-4.637	4.532	0.000
	24 Cis-1,2-Dichloroethene	4.441	4.441	4.447	4.447	4.441	4.447	4.447	4.441	4.441	4.447	4.342-4.551	4.444	0.003
*	25 Pentafluorobenzene	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.238	5.133-5.342	5.238	0.000
	26 Chloroform	4.686	4.691	4.691	4.691	4.691	4.691	4.691	4.691	4.686	4.691	4.586-4.796	4.690	0.003
	27 Bromochloromethane	4.606	4.612	4.612	4.612	4.612	4.612	4.612	4.606	4.612	4.612	4.507-4.716	4.610	0.003
$	28 Dibromofluoromethane	4.839	4.839	4.839	4.839	4.839	4.839	4.839	4.839	4.839	4.839	4.734-4.944	4.839	0.000
	29 1,1,1-Trichloroethane	4.839	4.839	4.839	4.839	4.839	4.839	4.839	4.845	4.839	4.839	4.734-4.944	4.840	0.002
	30 1,1-Dichloropropene	4.942	4.942	4.942	4.942	4.942	4.942	4.942	4.942	4.942	4.942	4.829-5.054	4.942	0.000
	31 Carbon Tetrachloride	4.777	4.777	4.777	4.777	4.777	4.777	4.777	4.777	4.777	4.777	4.664-4.889	4.777	0.000
$	32 d4-1,2-Dichloroethane	5.255	5.255	5.255	5.255	5.255	5.255	5.255	5.255	5.255	5.255	5.150-5.359	5.255	0.000
	33 1,2-Dichloroethane	5.306	5.312	5.312	5.312	5.306	5.306	5.312	5.312	5.306	5.312	5.199-5.424	5.309	0.003
	34 Benzene	5.141	5.141	5.141	5.141	5.141	5.141	5.141	5.141	5.141	5.141	5.028-5.253	5.141	0.000
*	35 1,4-Difluorobenzene	5.630	5.636	5.636	5.636	5.631	5.630	5.636	5.636	5.630	5.636	5.523-5.749	5.634	0.003
	36 Trichloroethene	5.596	5.596	5.596	5.596	5.591	5.591	5.596	5.596	5.596	5.596	5.483-5.709	5.595	0.002
	37 1,2-Dichloropropane	5.983	5.983	5.989	5.989	5.983	5.983	5.983	5.983	5.983	5.989	5.876-6.101	5.985	0.002
	38 Bromodichloromethane	6.034	6.035	6.040	6.034	6.035	6.035	6.034	6.034	6.035	6.034	5.922-6.147	6.035	0.002
	39 Dibromomethane	5.909	5.909	5.909	5.909	5.909	5.909	5.909	5.909	5.909	5.909	5.796-6.022	5.909	0.000

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Batch File: /chem1/nt10.i/10AUG10.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	RT09	EXPEC RT	RT WINDOW	AVG RT	STD DEV
40	2-Chloroethyl Vinyl Et	6.461	6.461	6.461	6.461	6.461	6.461	6.461	6.467	6.461	6.461	6.348-6.574	6.462	0.002
41	4-Methyl-2-Pentanone	6.945	6.945	6.945	6.945	6.945	6.945	6.945	6.945	6.945	6.945	6.832-7.058	6.945	0.000
42	Cis 1,3-dichloropropen	6.495	6.496	6.495	6.495	6.496	6.496	6.495	6.495	6.495	6.495	6.383-6.608	6.495	0.000
$ 43	d8-Toluene	6.626	6.626	6.626	6.626	6.626	6.621	6.626	6.626	6.626	6.626	6.513-6.739	6.626	0.002
44	Toluene	6.660	6.661	6.660	6.660	6.661	6.661	6.660	6.660	6.661	6.660	6.548-6.773	6.660	0.000
45	Trans 1,3-Dichloroprop	6.962	6.962	6.962	6.962	6.962	6.962	6.962	6.962	6.962	6.962	6.849-7.075	6.962	0.000
46	2-Hexanone	7.537	7.531	7.537	7.537	7.531	7.531	7.531	7.537	7.531	7.537	7.382-7.691	7.534	0.003
47	1,1,2-Trichloroethane	7.076	7.076	7.076	7.076	7.076	7.076	7.076	7.076	7.076	7.076	6.963-7.188	7.076	0.000
48	1,3-Dichloropropane	7.269	7.270	7.269	7.269	7.270	7.264	7.264	7.264	7.269	7.269	7.115-7.424	7.268	0.003
49	Tetrachloroethene	6.928	6.928	6.928	6.928	6.928	6.928	6.928	6.928	6.928	6.928	6.773-7.082	6.928	0.000
50	Chlorodibromomethane	7.195	7.196	7.195	7.195	7.196	7.196	7.195	7.195	7.195	7.195	7.041-7.350	7.195	0.000
51	1,2-Dibromoethane	7.360	7.361	7.360	7.360	7.361	7.361	7.360	7.360	7.361	7.360	7.248-7.473	7.360	0.000
* 52	d5-Chlorobenzene	7.725	7.725	7.725	7.725	7.725	7.725	7.725	7.725	7.725	7.725	7.570-7.879	7.725	0.000
53	Chlorobenzene	7.736	7.736	7.736	7.736	7.736	7.736	7.736	7.736	7.736	7.736	7.581-7.890	7.736	0.000
54	Ethyl Benzene	7.759	7.759	7.759	7.759	7.759	7.753	7.759	7.753	7.753	7.759	7.604-7.913	7.757	0.003
55	1,1,1,2-Tetrachloroeth	7.787	7.782	7.782	7.781	7.782	7.782	7.782	7.782	7.782	7.781	7.627-7.936	7.782	0.002
56	m,p-xylene	7.867	7.861	7.861	7.861	7.861	7.861	7.861	7.861	7.861	7.861	7.707-8.016	7.862	0.002
57	Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.960	10.806-11.114	+++++	+++++
58	o-Xylene	8.168	8.169	8.169	8.168	8.169	8.169	8.169	8.169	8.169	8.168	8.014-8.323	8.169	0.000
59	Styrene	8.208	8.209	8.208	8.208	8.209	8.209	8.208	8.208	8.208	8.208	8.054-8.363	8.208	0.000
60	Isopropyl Benzene	8.402	8.396	8.396	8.396	8.396	8.396	8.396	8.396	8.396	8.396	8.208-8.585	8.397	0.002
61	Bromoform	8.225	8.226	8.226	8.225	8.226	8.226	8.226	8.231	8.226	8.225	8.037-8.414	8.226	0.002
62	1,1,2,2-Tetrachloroeth	8.755	8.755	8.755	8.755	8.755	8.749	8.755	8.755	8.755	8.755	8.566-8.943	8.754	0.002
$ 63	4-Bromofluorobenzene	8.601	8.601	8.601	8.601	8.601	8.601	8.601	8.601	8.601	8.601	8.446-8.755	8.601	0.000

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Batch File: /chem1/nt10.i/10AUG10.b
Inst ID: nt10.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	RT09	EXPEC RT	RT WINDOW	AVG RT	STD DEV
64	1,2,3-Trichloropropane	8.857	8.852	8.852	8.851	8.852	8.852	8.852	8.846	8.852	8.851	8.663-9.040	8.852	0.003
65	Trans-1,4-Dichloro 2-B	8.886	8.886	8.886	8.886	8.880	8.880	8.886	8.886	8.886	8.886	8.697-9.074	8.884	0.002
66	N-Propyl Benzene	8.703	8.698	8.698	8.698	8.698	8.692	8.698	8.698	8.698	8.698	8.509-8.886	8.698	0.003
67	Bromobenzene	8.681	8.675	8.675	8.675	8.675	8.675	8.675	8.675	8.675	8.675	8.486-8.863	8.676	0.002
68	1,3,5-Trimethyl Benzen	8.846	8.840	8.840	8.840	8.840	8.840	8.840	8.840	8.840	8.840	8.651-9.028	8.841	0.002
69	2-Chloro Toluene	8.812	8.812	8.812	8.812	8.812	8.812	8.806	8.812	8.812	8.812	8.623-9.000	8.811	0.002
70	4-Chloro Toluene	8.937	8.937	8.931	8.931	8.931	8.931	8.931	8.931	8.931	8.931	8.742-9.119	8.932	0.002
71	T-Butyl Benzene	9.079	9.074	9.073	9.073	9.074	9.074	9.073	9.079	9.074	9.073	8.885-9.262	9.075	0.002
72	1,2,4-Trimethylbenzene	9.130	9.130	9.130	9.130	9.130	9.125	9.125	9.130	9.130	9.130	8.942-9.319	9.129	0.002
73	S-Butyl Benzene	9.216	9.210	9.210	9.210	9.210	9.204	9.204	9.210	9.210	9.210	9.021-9.398	9.209	0.003
74	4-Isopropyl Toluene	9.324	9.318	9.318	9.318	9.318	9.318	9.318	9.318	9.318	9.318	9.129-9.506	9.319	0.002
75	1,3-Dichlorobenzene	9.375	9.375	9.369	9.369	9.370	9.370	9.369	9.369	9.369	9.369	9.181-9.558	9.371	0.002
* 76	d4-1,4-Dichlorobenzene	9.432	9.426	9.426	9.426	9.426	9.426	9.426	9.426	9.426	9.426	9.238-9.615	9.427	0.002
77	1,4-Dichlorobenzene	9.443	9.438	9.438	9.438	9.438	9.438	9.438	9.438	9.438	9.438	9.249-9.626	9.438	0.002
78	N-Butyl Benzene	9.642	9.637	9.637	9.637	9.637	9.637	9.637	9.637	9.637	9.637	9.448-9.825	9.638	0.002
$ 79	d4-1,2-Dichlorobenzene	9.756	9.757	9.756	9.756	9.757	9.751	9.751	9.756	9.756	9.756	9.568-9.945	9.755	0.002
80	1,2-Dichlorobenzene	9.762	9.762	9.762	9.762	9.762	9.757	9.762	9.762	9.762	9.762	9.573-9.950	9.761	0.002
81	1,2-Dibromo 3-Chloropr	10.382	10.383	10.382	10.382	10.383	10.383	10.382	10.382	10.382	10.382	10.194-10.571	10.382	0.000
82	1,2,4-Trichlorobenzene	10.912	10.906	10.906	10.906	10.906	10.906	10.906	10.906	10.906	10.906	10.717-11.094	10.907	0.002
83	Hexachloro 1,3-Butadie	10.883	10.883	10.883	10.883	10.883	10.883	10.883	10.883	10.883	10.883	10.694-11.072	10.883	0.000
84	Naphthalene	11.173	11.168	11.168	11.168	11.168	11.168	11.168	11.168	11.168	11.168	10.979-11.356	11.168	0.002
85	1,2,3-Trichlorobenzene	11.316	11.316	11.316	11.316	11.316	11.316	11.316	11.316	11.316	11.316	11.127-11.504	11.316	0.000

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt10.i/10AUG10.b/08101024.d
Level 2: /chem1/nt10.i/10AUG10.b/08101023.d
Level 3: /chem1/nt10.i/10AUG10.b/08101022.d
Level 4: /chem1/nt10.i/10AUG10.b/08101021.d
Level 5: /chem1/nt10.i/10AUG10.b/08101020.d
Level 6: /chem1/nt10.i/10AUG10.b/08101019.d
Level 7: /chem1/nt10.i/10AUG10.b/08101018.d
Level 8: /chem1/nt10.i/10AUG10.b/08101017.d

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7	60.000 Level 8						
1 Dichlorodifluoromethane	0.75753	0.73585	0.78907	0.71857	0.65059	0.69617		
	0.70664	0.66510					0.71494	6.433
2 Chloromethane	0.79103	0.67438	0.77014	0.69276	0.62998	0.65563		
	0.66058	0.60045					0.68437	9.613
3 Vinyl Chloride	0.89775	0.83486	0.93944	0.88968	0.78931	0.83994		
	0.84973	0.78913					0.85373	6.176
4 Bromomethane	+++++	0.44249	0.46154	0.44634	0.41653	0.45336		
	0.48561	0.46148					0.45248	4.681
5 Chloroethane	0.60196	0.54466	0.54421	0.54235	0.51179	0.52831		
	0.52520	0.52996					0.54106	5.002
6 Trichlorofluoromethane	0.89580	0.93483	0.99636	0.96453	0.92900	0.98765		
	0.98234	1.02236					0.96411	4.308

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	___ RRF	% RSD
	40.000 Level 7	60.000 Level 8						
7 Allyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++
8 Acrolein	+++++	0.05141	0.05334	0.05727	0.05647	0.05879		
	0.05882	0.05869					0.05640	5.212
9 112Trichloro122Trifluoroethan	0.85417	0.80791	0.80765	0.77487	0.72180	0.78390		
	0.72997	0.75113					0.77893	5.701
10 Acetone	+++++	0.07273	0.07621	0.08934	0.08057	0.07291		
	0.07784	0.07667					0.07804	7.282
11 1,1-Dichloroethene	0.80254	0.77303	0.75236	0.72043	0.68751	0.74205		
	0.72346	0.76504					0.74580	4.789
12 Bromoethane	0.59489	0.56726	0.59458	0.54296	0.50749	0.56397		
	0.50331	0.54746					0.55274	6.296
13 Iodomethane	+++++	1.12262	1.18770	1.09970	1.04804	1.13633		
	1.04008	1.10588					1.10577	4.613
14 Methylene Chloride	+++++	0.78561	0.80374	0.72246	0.67206	0.71711		
	0.69131	0.70222					0.72779	6.718
15 Acrylonitrile	+++++	0.11830	0.12185	0.13025	0.12037	0.12158		
	0.11951	0.11909					0.12156	3.324

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	60.000 Level 8	___ RRF	% RSD
16 Methyl tert butyl ether	1.52418	1.46712	1.59003	1.50399	1.48720	1.56502	1.54985	1.54109	1.52856	2.689
17 Carbon Disulfide	2.71862	2.68508	2.70940	2.53428	2.47142	2.66597	2.47013	2.63115	2.61076	3.975
18 Trans-1,2-Dichloroethene	0.65713	0.69716	0.74420	0.70378	0.68390	0.72787	0.71282	0.73106	0.70725	3.982
19 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Vinyl Acetate	0.86200	0.74363	0.80931	0.76932	0.80177	0.81003	0.77807	0.79851	0.79658	4.385
21 1,1-Dichloroethane	1.25812	1.22071	1.31614	1.22838	1.18386	1.23344	1.20911	1.23848	1.23603	3.157
22 2-Butanone	0.16311	0.13643	0.13626	0.14101	0.14347	0.13774	0.14172	0.13845	0.14227	6.191
23 2,2-Dichloropropane	0.82715	0.83290	0.88027	0.83959	0.79745	0.83512	0.82419	0.84439	0.83513	2.772
24 Cis-1,2-Dichloroethene	0.79998	0.72989	0.78479	0.72980	0.71118	0.73987	0.73857	0.76664	0.75009	4.074

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7	60.000 Level 8						
26 Chloroform	1.30990	1.26996	1.32977	1.25745	1.21038	1.25529		
	1.24676	1.27992					1.26993	2.936
27 Bromochloromethane	0.31476	0.30448	0.33117	0.31051	0.29103	0.30772		
	0.30274	0.31070					0.30915	3.698
29 1,1,1-Trichloroethane	1.06424	1.01461	1.11908	1.03594	0.99407	1.03644		
	1.02145	1.03540					1.04015	3.632
30 1,1-Dichloropropene	0.57508	0.55346	0.58438	0.53882	0.53259	0.55998		
	0.56453	0.58109					0.56124	3.379
31 Carbon Tetrachloride	0.51691	0.51651	0.52606	0.50373	0.48361	0.50360		
	0.50413	0.51805					0.50908	2.590
33 1,2-Dichloroethane	0.48370	0.43161	0.46952	0.43309	0.42795	0.43803		
	0.44012	0.44990					0.44674	4.464
34 Benzene	1.50791	1.46240	1.55791	1.46603	1.47948	1.53814		
	1.54798	1.53452					1.51179	2.530
36 Trichloroethene	0.37487	0.35154	0.38439	0.36527	0.35543	0.37177		
	0.37931	0.39646					0.37238	3.997
37 1,2-Dichloropropane	0.34892	0.33090	0.34705	0.32845	0.33600	0.34104		
	0.34745	0.35804					0.34223	2.930

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7	60.000 Level 8						
38 Bromodichloromethane	0.50974	0.47731	0.50162	0.47950	0.47819	0.48462		
	0.50233	0.51593					0.49366	3.140
39 Dibromomethane	0.18478	0.18211	0.19929	0.18566	0.18138	0.18414		
	0.18726	0.18954					0.18677	3.052
40 2-Chloroethyl Vinyl Ether	+++++	0.13489	0.15310	0.13890	0.15101	0.14793		
	0.14844	0.15023					0.14636	4.633
41 4-Methyl-2-Pentanone	0.07017	0.06470	0.07127	0.07192	0.08163	0.07912		
	0.08483	0.08459					0.07603	9.864
42 Cis 1,3-dichloropropene	0.54311	0.46353	0.53296	0.50512	0.54058	0.54662		
	0.58721	0.61037					0.54119	8.363
44 Toluene	0.87922	0.82843	0.88534	0.86640	0.90865	0.91509		
	0.95692	0.99182					0.90398	5.724
45 Trans 1,3-Dichloropropene	0.45709	0.39766	0.44615	0.43504	0.46699	0.47177		
	0.50050	0.51483					0.46125	8.000
46 2-Hexanone	0.14277	0.13146	0.13850	0.12804	0.13441	0.13373		
	0.12629	0.12275					0.13224	4.955
47 1,1,2-Trichloroethane	0.23039	0.22062	0.23611	0.23909	0.24253	0.24005		
	0.25107	0.25552					0.23942	4.606

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7	60.000 Level 8						
48 1,3-Dichloropropane	0.51617	0.46571	0.49893	0.46685	0.47370	0.48903		
	0.47226	0.47104					0.48171	3.748
49 Tetrachloroethene	0.37560	0.34594	0.37491	0.34909	0.35174	0.36430		
	0.37878	0.39515					0.36694	4.689
50 Chlorodibromomethane	0.32670	0.30755	0.33306	0.31325	0.31454	0.32456		
	0.32092	0.32233					0.32036	2.563
51 1,2-Dibromoethane	0.23640	0.21420	0.23457	0.23073	0.23414	0.23123		
	0.23859	0.24397					0.23298	3.730
53 Chlorobenzene	1.08700	1.05422	1.10587	1.05158	1.06888	1.09770		
	1.10165	1.10826					1.08440	2.132
54 Ethyl Benzene	0.09585	0.09287	0.09366	0.09393	0.09460	0.09260		
	0.09507	0.09814					0.09459	1.899
55 1,1,1,2-Tetrachloroethane	0.38275	0.32978	0.36426	0.37373	0.37788	0.37469		
	0.37499	0.38761					0.37071	4.828
56 m,p-xylene	0.66879	0.65962	0.69491	0.69541	0.75102	0.74692		
	0.75278	0.72102					0.71131	5.223
57 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++					+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7	60.000 Level 8						
58 o-Xylene	0.67897	0.63451	0.68108	0.69906	0.72571	0.70610		
	0.72174	0.73946					0.69833	4.779
59 Styrene	1.12435	1.04365	1.06888	1.08101	1.18363	1.13363		
	1.15282	1.14897					1.11712	4.289
60 Isopropyl Benzene	3.44352	3.41699	3.63806	3.30673	3.59853	3.79232		
	3.65563	3.28611					3.51724	5.145
61 Bromoform	0.33471	0.33733	0.36682	0.30862	0.33047	0.36436		
	0.35170	0.36719					0.34515	6.085
62 1,1,2,2-Tetrachloroethane	0.71999	0.67671	0.73349	0.63360	0.62581	0.67423		
	0.65129	0.65323					0.67104	5.770
64 1,2,3-Trichloropropane	0.20176	0.18913	0.21213	0.18453	0.18518	0.20153		
	0.19382	0.19917					0.19591	4.860
65 Trans-1,4-Dichloro 2-Butene	+++++	+++++	0.18528	0.15197	0.16386	0.18642		
	0.17263	0.18212					0.17371	7.880
66 N-Propyl Benzene	4.25057	4.25261	4.47683	4.13295	4.46537	4.57200		
	4.10742	3.52242					4.22252	7.798
67 Bromobenzene	0.78077	0.76124	0.81703	0.71226	0.74847	0.80385		
	0.78561	0.85845					0.78346	5.701

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	60.000 Level 8	___ RRF	% RSD
68 1,3,5-Trimethyl Benzene	2.88880	2.75329	2.96270	2.87105	3.03966	3.03820	3.13219	2.97081	2.95709	3.999
69 2-Chloro Toluene	2.88537	2.84449	3.01349	2.73925	2.89133	3.02413	2.97137	2.70364	2.88413	4.126
70 4-Chloro Toluene	2.56837	2.66718	2.75085	2.55884	2.66923	2.80447	2.71080	2.75911	2.68611	3.295
71 T-Butyl Benzene	2.36498	2.24978	2.41573	2.35958	2.54495	2.49870	2.64358	2.60324	2.46007	5.501
72 1,2,4-Trimethylbenzene	2.88086	2.77219	2.93594	2.88318	3.06915	3.02992	3.08269	2.90449	2.94480	3.655
73 S-Butyl Benzene	3.66361	3.62175	3.72803	3.75977	3.98382	3.79518	3.86031	3.30470	3.71465	5.400
74 4-Isopropyl Toluene	2.88673	2.85019	2.90515	3.02137	3.19477	3.00584	3.19925	2.85948	2.99035	4.753
75 1,3-Dichlorobenzene	1.55874	1.52676	1.60738	1.50681	1.55967	1.58958	1.59546	1.61281	1.56965	2.451
77 1,4-Dichlorobenzene	1.72889	1.61626	1.69722	1.58365	1.61213	1.62778	1.62970	1.64297	1.64233	2.903

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	___ RRF	% RSD
	40.000 Level 7	60.000 Level 8						
78 N-Butyl Benzene	3.10872	2.79706	2.92474	3.14879	3.23615	3.01541		
	3.10923	2.75487					3.01187	5.719
80 1,2-Dichlorobenzene	1.50022	1.43322	1.49178	1.45712	1.46442	1.43487		
	1.43264	1.39453					1.45110	2.388
81 1,2-Dibromo 3-Chloropropane	+++++	0.10594	0.11520	0.10514	0.10172	0.09661		
	0.09008	0.08620					0.10013	9.955
82 1,2,4-Trichlorobenzene	0.74582	0.64949	0.70610	0.87216	0.88376	0.71677		
	0.63176	0.64053					0.73080	13.583
83 Hexachloro 1,3-Butadiene	+++++	0.32475	0.27840	0.40286	0.37200	0.28882		
	0.26004	0.26236					0.31275	17.919
84 Naphthalene	+++++	1.31477	1.39483	1.73393	1.72478	1.45484		
	1.25884	1.27214					1.45059	13.949
85 1,2,3-Trichlorobenzene	+++++	0.50748	0.55949	0.72940	0.72222	0.55141		
	0.45597	0.51438					0.57719	18.536
$ 28 Dibromofluoromethane	0.59093	0.59273	0.59743	0.60521	0.57805	0.59562		
	0.59110	0.60109					0.59402	1.371
$ 32 d4-1,2-Dichloroethane	0.66066	0.65087	0.66747	0.68006	0.64778	0.63990		
	0.65954	0.64984					0.65701	1.931

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2010 16:50
End Cal Date : 10-AUG-2010 19:47
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem1/nt10.i/10AUG10.b/82600806L.m
Cal Date : 11-Aug-2010 10:04 paul
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	1.000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	60.000 Level 8	___ RRF	% RSD
$ 43 d8-Toluene	1.18205	1.16830	1.16954	1.20194	1.22299	1.18460	1.23331	1.24903	1.20147	2.540
$ 63 4-Bromofluorobenzene	0.48749	0.48433	0.48427	0.52562	0.52165	0.48338	0.48603	0.47459	0.49342	3.865
$ 79 d4-1,2-Dichlorobenzene	0.90611	0.87335	0.88885	0.92799	0.91492	0.87157	0.88370	0.86302	0.89119	2.579

Data File: /chem1/nt10.i/10AUG10.b/08101016.d

Date : 10-AUG-2010 16:16

Client ID: BFB0810

Instrument: nt10.i

Sample Info: BFB0810,BFB0810,1,081010,,

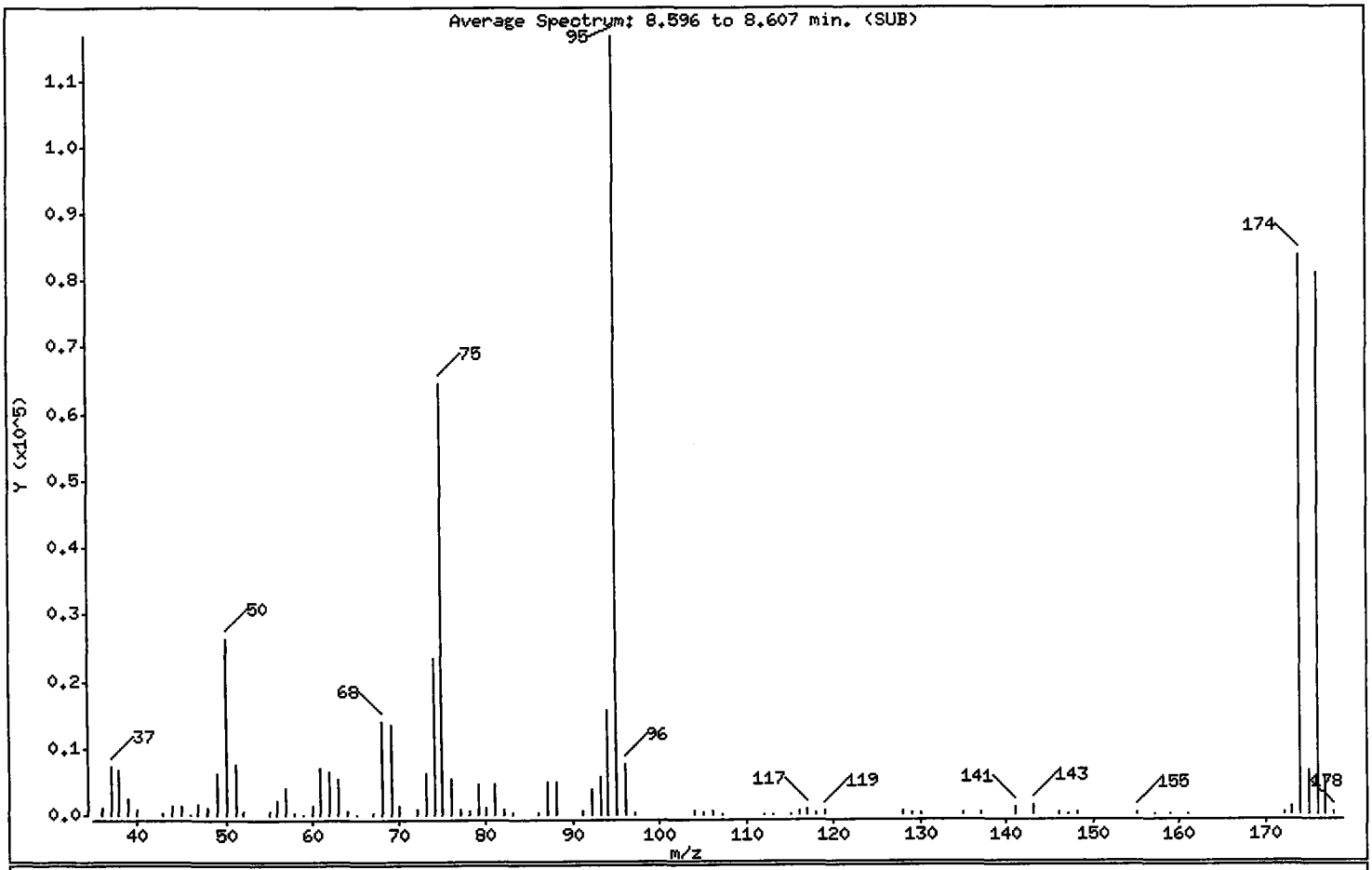
Operator: PC

pc
8/11/10

Column phase: RTXVMS

Column diameter: 0.18

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.60
75	30.00 - 66.00% of mass 95	55.22
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.88 (1.22)
174	50.00 - 101.00% of mass 95	71.58
175	4.00 - 9.00% of mass 174	5.45 (7.61)
176	93.00 - 101.00% of mass 174	69.33 (96.86)
177	5.00 - 9.00% of mass 176	4.50 (6.49)

Data File: /chem1/nt10.i/10AUG10.b/08101016.d

Date : 10-AUG-2010 16:16

Client ID: BFB0810

Instrument: nt10.i

Sample Info: BFB0810,BFB0810,1,081010,,

Operator: PC

Column phase: RTXVMS

Column diameter: 0.18

Data File: 08101016.d
Spectrum: Average Spectrum: 8.596 to 8.607 min. (SUB)
Location of Maximum: 95.00
Number of points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1188	62.00	6569	88.00	4823	135.00	170
37.00	7362	63.00	5428	91.00	616	137.00	271
38.00	6639	64.00	640	92.00	3651	141.00	1194
39.00	2312	65.00	59	93.00	5650	143.00	1275
40.00	906	67.00	343	94.00	15455	146.00	223
43.00	266	68.00	13906	95.00	116616	147.00	61
44.00	1239	69.00	13515	96.00	7489	148.00	275
45.00	1442	70.00	1214	97.00	228	155.00	269
46.00	60	72.00	726	104.00	591	157.00	133
47.00	1643	73.00	6094	105.00	164	159.00	74
48.00	958	74.00	23408	106.00	656	161.00	107
49.00	6278	75.00	64400	107.00	53	172.00	277
50.00	26352	76.00	5500	112.00	55	173.00	1021
51.00	7616	77.00	764	113.00	62	174.00	83472
52.00	467	78.00	653	115.00	112	175.00	6351
55.00	519	79.00	4646	116.00	566	176.00	80856
56.00	2086	80.00	1099	117.00	760	177.00	5249
57.00	4057	81.00	4519	118.00	395	178.00	167
58.00	319	82.00	886	119.00	647		
59.00	73	83.00	234	128.00	460		
60.00	1334	86.00	223	129.00	222		
61.00	6958	87.00	4969	130.00	364		

Data File: /chem1/nt10.i/10AUG10.b/08101016.d

Date : 10-AUG-2010 16:16

Client ID: BFB0810

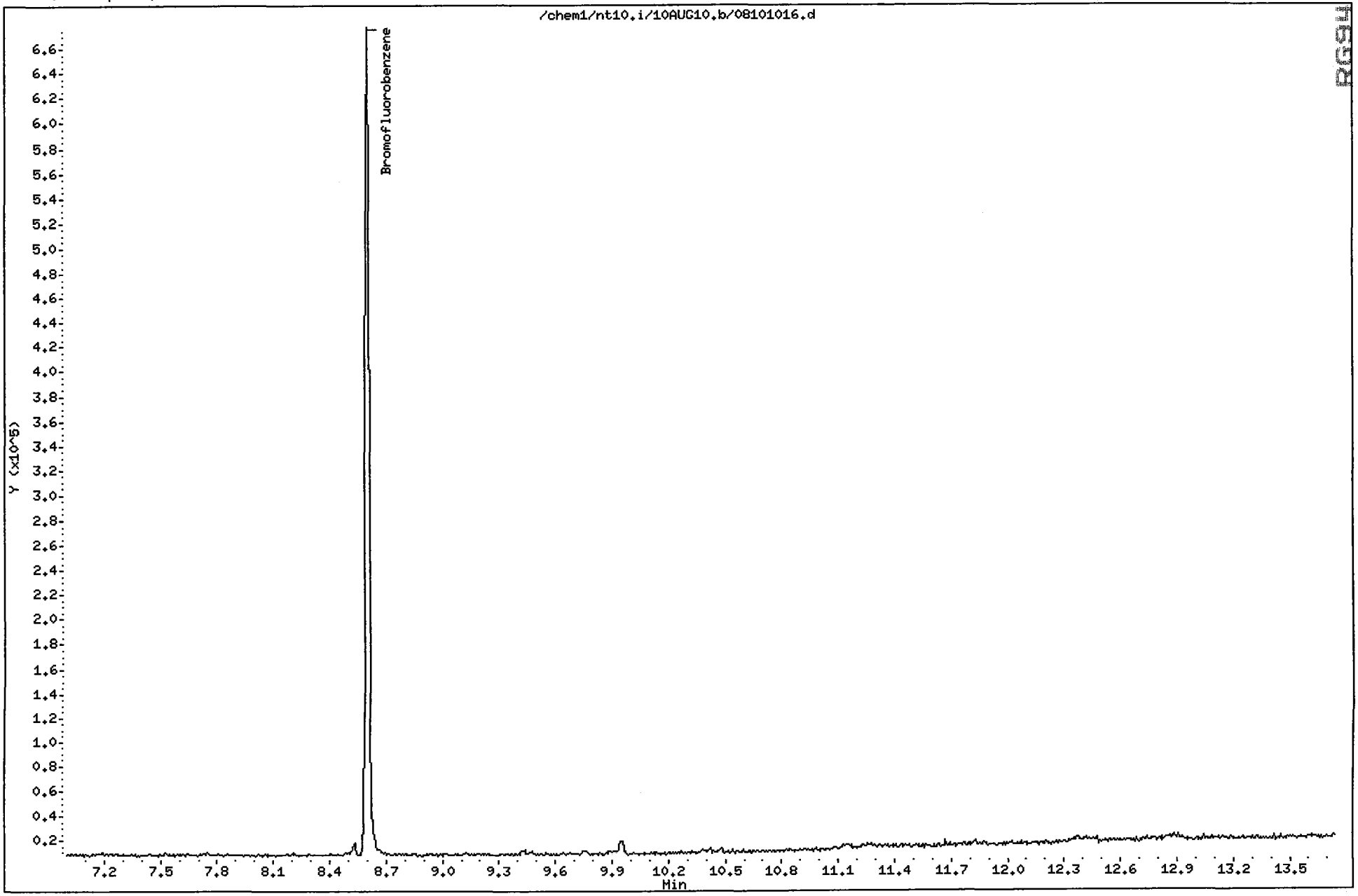
Sample Info: BFB0810,BFB0810,1,081010,,

Column phase: RTXVMS

Instrument: nt10.i

Operator: PC

Column diameter: 0.18



RG 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101017.d
Lab Smp Id: IC60 Client Smp ID: 60 ppb
Inj Date : 10-AUG-2010 16:50
Operator : PC Inst ID: nt10.i
Smp Info : IC60,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.294	1.299	(0.247)	3094185	60.0000	55.817
2 Chloromethane	50	1.430	1.442	(0.273)	2793408	60.0000	52.643
3 Vinyl Chloride	62	1.516	1.516	(0.289)	3671174	60.0000	55.460
4 Bromomethane	94	1.789	1.800	(0.342)	2146910	60.0000	61.194
5 Chloroethane	64	1.908	1.925	(0.364)	2465486	60.0000	58.770
6 Trichlorofluoromethane	101	2.005	2.011	(0.383)	4756231	60.0000	63.625(Q)
8 Acrolein	56	2.870	2.876	(0.548)	1365213	300.000	312.19(Q)
9 112Trichloro122Trifluoroethane	101	2.574	2.586	(0.491)	3494391	60.0000	57.859
10 Acetone	43	3.217	3.223	(0.614)	1783313	300.000	294.72
11 1,1-Dichloroethene	96	2.489	2.494	(0.475)	3559103	60.0000	61.547
12 Bromoethane	108	2.756	2.768	(0.526)	2546911	60.0000	59.427
13 Iodomethane	142	2.620	2.625	(0.500)	5144773	60.0000	60.006
14 Methylene Chloride	84	3.138	3.143	(0.599)	3266889	60.0000	57.892
15 Acrylonitrile	53	4.014	4.020	(0.766)	554009	60.0000	58.778
16 Methyl tert butyl ether	73	3.456	3.462	(0.660)	7169441	60.0000	60.492
17 Carbon Disulfide	76	2.489	2.494	(0.475)	12240634	60.0000	60.469

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.308	3.314	(0.632)	3401048	60.0000	62.020
	20 Vinyl Acetate	43	4.219	4.225	(0.806)	3714840	60.0000	60.145
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	5761676	60.0000	60.119
	22 2-Butanone	43	4.953	4.959	(0.946)	3220511	300.000	291.94
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	3928275	60.0000	60.665
	24 Cis-1,2-Dichloroethene	96	4.441	4.447	(0.848)	3566586	60.0000	61.324
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	775367	10.0000	
	26 Chloroform	83	4.686	4.691	(0.895)	5954442	60.0000	60.472
	27 Bromochloromethane	128	4.606	4.612	(0.879)	1445440	60.0000	60.301
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	466068	10.0000	10.119
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	4816885	60.0000	59.726
	30 1,1-Dichloropropene	75	4.942	4.942	(0.878)	4941885	60.0000	62.122
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	4405776	60.0000	61.058
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	503862	10.0000	9.891
	33 1,2-Dichloroethane	62	5.306	5.312	(0.942)	3826187	60.0000	60.425
	34 Benzene	78	5.141	5.141	(0.913)	13050240	60.0000	60.902
*	35 1,4-Difluorobenzene	114	5.630	5.636	(1.000)	1417411	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.994)	3371681	60.0000	63.880
	37 1,2-Dichloropropane	63	5.983	5.989	(1.063)	3044923	60.0000	62.771
	38 Bromodichloromethane	83	6.034	6.034	(1.072)	4387703	60.0000	62.707
	39 Dibromomethane	93	5.909	5.909	(1.050)	1611968	60.0000	60.890
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.148)	1277621	60.0000	61.588
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.233)	3596805	300.000	333.77(Q)
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.154)	5190877	60.0000	67.670
$	43 d8-Toluene	98	6.626	6.626	(1.177)	1770389	10.0000	10.396
	44 Toluene	92	6.660	6.660	(1.183)	8434907	60.0000	65.830(Q)
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.237)	4378356	60.0000	66.970
	46 2-Hexanone	43	7.537	7.537	(0.976)	5155452	300.000	278.47
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.257)	2173038	60.0000	64.033
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	3956524	60.0000	58.670
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	3319069	60.0000	64.612
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	2707467	60.0000	60.369
	51 1,2-Dibromoethane	107	7.360	7.360	(1.307)	2074855	60.0000	62.831
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1399934	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	9308974	60.0000	61.321(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	824309	60.0000	62.250(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.787	7.781	(1.008)	3255739	60.0000	62.735
	56 m,p-xylene	106	7.867	7.861	(1.018)	12112633	120.000	121.64(Q)
	58 o-Xylene	106	8.168	8.168	(1.057)	6211199	60.0000	63.534
	59 Styrene	104	8.208	8.208	(1.063)	9650914	60.0000	61.711
	60 Isopropyl Benzene	105	8.402	8.396	(0.891)	13480789	60.0000	56.057
	61 Bromoform	173	8.225	8.225	(0.872)	1506363	60.0000	63.832
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.928)	2679771	60.0000	58.407
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	664397	10.0000	9.618
	64 1,2,3-Trichloropropane	110	8.857	8.851	(0.939)	817063	60.0000	60.999
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.942)	747103	60.0000	62.902(Q)
	66 N-Propyl Benzene	91	8.703	8.698	(0.923)	14450237	60.0000	50.052

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.681	8.675	(0.920)	3521674	60.0000	65.743
	68 1,3,5-Trimethyl Benzene	105	8.846	8.840	(0.938)	12187335	60.0000	60.278
	69 2-Chloro Toluene	91	8.812	8.812	(0.934)	11091274	60.0000	56.245
	70 4-Chloro Toluene	91	8.937	8.931	(0.948)	11318864	60.0000	61.631
	71 T-Butyl Benzene	119	9.079	9.073	(0.963)	10679429	60.0000	63.492
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.968)	11915254	60.0000	59.179
	73 S-Butyl Benzene	105	9.216	9.210	(0.977)	13557070	60.0000	53.378
	74 4-Isopropyl Toluene	119	9.324	9.318	(0.989)	11730619	60.0000	57.374
	75 1,3-Dichlorobenzene	146	9.375	9.369	(0.994)	6616334	60.0000	61.650
*	76 d4-1,4-Dichlorobenzene	152	9.432	9.426	(1.000)	683726	10.0000	(Q)
	77 1,4-Dichlorobenzene	146	9.443	9.438	(1.001)	6740051	60.0000	60.024(Q)
	78 N-Butyl Benzene	91	9.642	9.637	(1.022)	11301449	60.0000	54.880
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.034)	590069	10.0000	9.684(Q)
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.035)	5720875	60.0000	57.661(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	353607	60.0000	51.652(Q)
	82 1,2,4-Trichlorobenzene	180	10.912	10.906	(1.157)	2627682	60.0000	52.589
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.154)	1076310	60.0000	50.334
	84 Naphthalene	128	11.173	11.168	(1.185)	5218757	60.0000	52.619
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	2110152	60.0000	53.470

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101017.d
Lab Smp Id: IC60
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 60 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	775367	-4.26
35 1,4-Difluorobenze	1494542	747271	2989084	1417411	-5.16
52 d5-Chlorobenzene	1406726	703363	2813452	1399934	-0.48
76 d4-1,4-Dichlorobe	781222	390611	1562444	683726	-12.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.63	-0.10
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

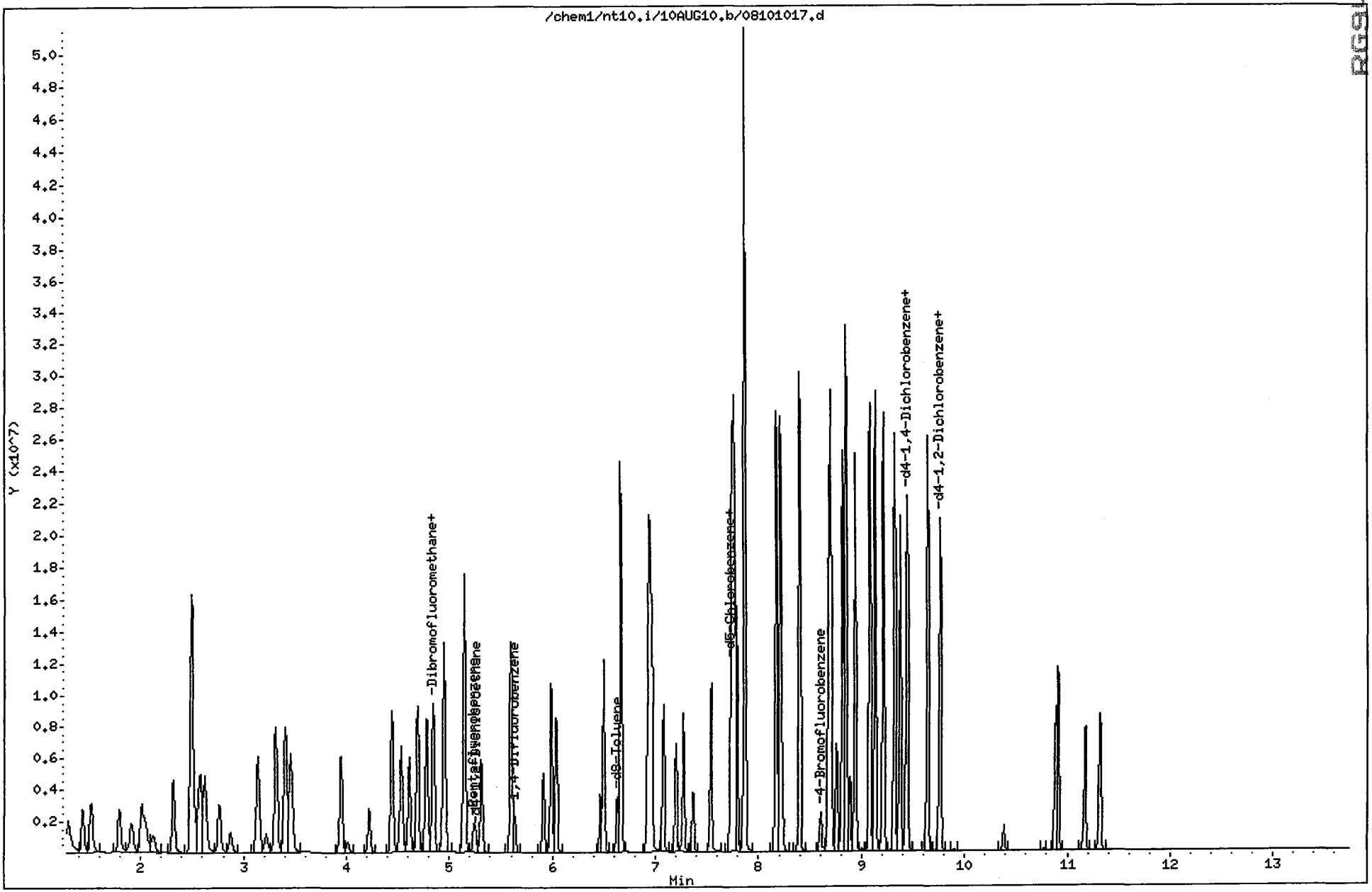
Data File: /chem1/nt10.i/10AUG10.b/08101017.d
Date : 10-AUG-2010 16:50
Client ID: 60 ppb
Sample Info: IC60,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ i/MS PC 8/11/10

RCSL-00431



PC 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101018.d
Report Date: 11-Aug-2010 11:23

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101018.d
Lab Smp Id: IC40 Client Smp ID: 40 ppb
Inj Date : 10-AUG-2010 17:15 Inst ID: nt10.i
Operator : PC
Smp Info : IC40,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.299	(0.248)	2262650	40.0000	39.536(M)
2 Chloromethane	50	1.436	1.442	(0.274)	2115171	40.0000	38.610
3 Vinyl Chloride	62	1.516	1.516	(0.289)	2720830	40.0000	39.813
4 Bromomethane	94	1.795	1.800	(0.343)	1554922	40.0000	42.929
5 Chloroethane	64	1.920	1.925	(0.367)	1681671	40.0000	38.828
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	3145438	40.0000	40.756(Q)
8 Acrolein	56	2.876	2.876	(0.549)	941730	200.000	208.59(Q)
9 112Trichloro122Trifluoroethane	101	2.580	2.586	(0.493)	2337350	40.0000	37.486(M)
10 Acetone	43	3.223	3.223	(0.615)	1246187	200.000	199.49
11 1,1-Dichloroethene	96	2.489	2.494	(0.475)	2316504	40.0000	38.802
12 Bromoethane	108	2.762	2.768	(0.527)	1611599	40.0000	36.423
13 Iodomethane	142	2.626	2.625	(0.501)	3330330	40.0000	37.624
14 Methylene Chloride	84	3.138	3.143	(0.599)	2213555	40.0000	37.995
15 Acrylonitrile	53	4.020	4.020	(0.767)	382656	40.0000	39.323
16 Methyl tert butyl ether	73	3.457	3.462	(0.660)	4962603	40.0000	40.557
17 Carbon Disulfide	76	2.495	2.494	(0.476)	7909326	40.0000	37.845

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	2282432	40.0000	40.315
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	2491372	40.0000	39.071
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	3871543	40.0000	39.129
	22 2-Butanone	43	4.953	4.959	(0.946)	2268974	200.000	199.23
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	2639048	40.0000	39.476
	24 Cis-1,2-Dichloroethene	96	4.441	4.447	(0.848)	2364899	40.0000	39.386
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	800496	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	3992111	40.0000	39.270
	27 Bromochloromethane	128	4.612	4.612	(0.880)	969369	40.0000	39.171
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	473170	10.0000	9.951
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	3270662	40.0000	39.281
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	3305008	40.0000	40.235
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	2951411	40.0000	39.612
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	527958	10.0000	10.038
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	2576636	40.0000	39.407
	34 Benzene	78	5.141	5.141	(0.912)	9062498	40.0000	40.957
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1463603	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	2220647	40.0000	40.744
	37 1,2-Dichloropropane	63	5.983	5.989	(1.062)	2034137	40.0000	40.610
	38 Bromodichloromethane	83	6.035	6.034	(1.071)	2940840	40.0000	40.703
	39 Dibromomethane	93	5.909	5.909	(1.048)	1096325	40.0000	40.105
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	869011	40.0000	40.569
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	2483117	200.000	223.15(Q)
	42 Cis 1,3-dichloropropene	75	6.496	6.495	(1.152)	3437791	40.0000	43.402
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1805073	10.0000	10.265
	44 Toluene	92	6.661	6.660	(1.182)	5602175	40.0000	42.342
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.235)	2930123	40.0000	43.404
	46 2-Hexanone	43	7.531	7.537	(0.975)	3600071	200.000	191.00
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	1469883	40.0000	41.946
	48 1,3-Dichloropropane	76	7.270	7.269	(0.941)	2692456	40.0000	39.215
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	2159521	40.0000	41.291
	50 Chlorodibromomethane	129	7.196	7.195	(0.931)	1829646	40.0000	40.069
	51 1,2-Dibromoethane	107	7.361	7.360	(1.306)	1396784	40.0000	40.963
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1425310	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	6280758	40.0000	40.636(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	542006	40.0000	40.202(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	2137899	40.0000	40.462
	56 m,p-xylene	106	7.861	7.861	(1.018)	8583556	80.0000	84.664(Q)
	58 o-Xylene	106	8.169	8.168	(1.057)	4114814	40.0000	41.341
	59 Styrene	104	8.209	8.208	(1.063)	6572479	40.0000	41.278
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	10784422	40.0000	41.574
	61 Bromoform	173	8.226	8.225	(0.873)	1037557	40.0000	40.759
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	1921355	40.0000	38.822
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	692742	10.0000	9.850
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	571787	40.0000	39.574
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	509285	40.0000	39.752
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	12117239	40.0000	38.910

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	2317627	40.0000	40.110
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	9240225	40.0000	42.369
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	8765793	40.0000	41.210
	70 4-Chloro Toluene	91	8.937	8.931	(0.948)	7997090	40.0000	40.368
	71 T-Butyl Benzene	119	9.074	9.073	(0.963)	7798789	40.0000	42.984
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	9094193	40.0000	41.873
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	11388244	40.0000	41.568
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	9438079	40.0000	42.794
	75 1,3-Dichlorobenzene	146	9.375	9.369	(0.995)	4706754	40.0000	40.658
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	737522	10.0000	(Q)
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	4807751	40.0000	39.692(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	9172494	40.0000	41.293
$	79 d4-1,2-Dichlorobenzene	152	9.757	9.756	(1.035)	651747	10.0000	9.916(Q)
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	4226402	40.0000	39.491(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.383	10.382	(1.101)	265734	40.0000	35.985(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	1863756	40.0000	34.579
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	767149	40.0000	33.259
	84 Naphthalene	128	11.168	11.168	(1.185)	3713680	40.0000	34.712
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	1345144	40.0000	31.599

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101018.d
Lab Smp Id: IC40
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 40 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	800496	-1.15
35 1,4-Difluorobenze	1494542	747271	2989084	1463603	-2.07
52 d5-Chlorobenzene	1406726	703363	2813452	1425310	1.32
76 d4-1,4-Dichlorobe	781222	390611	1562444	737522	-5.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

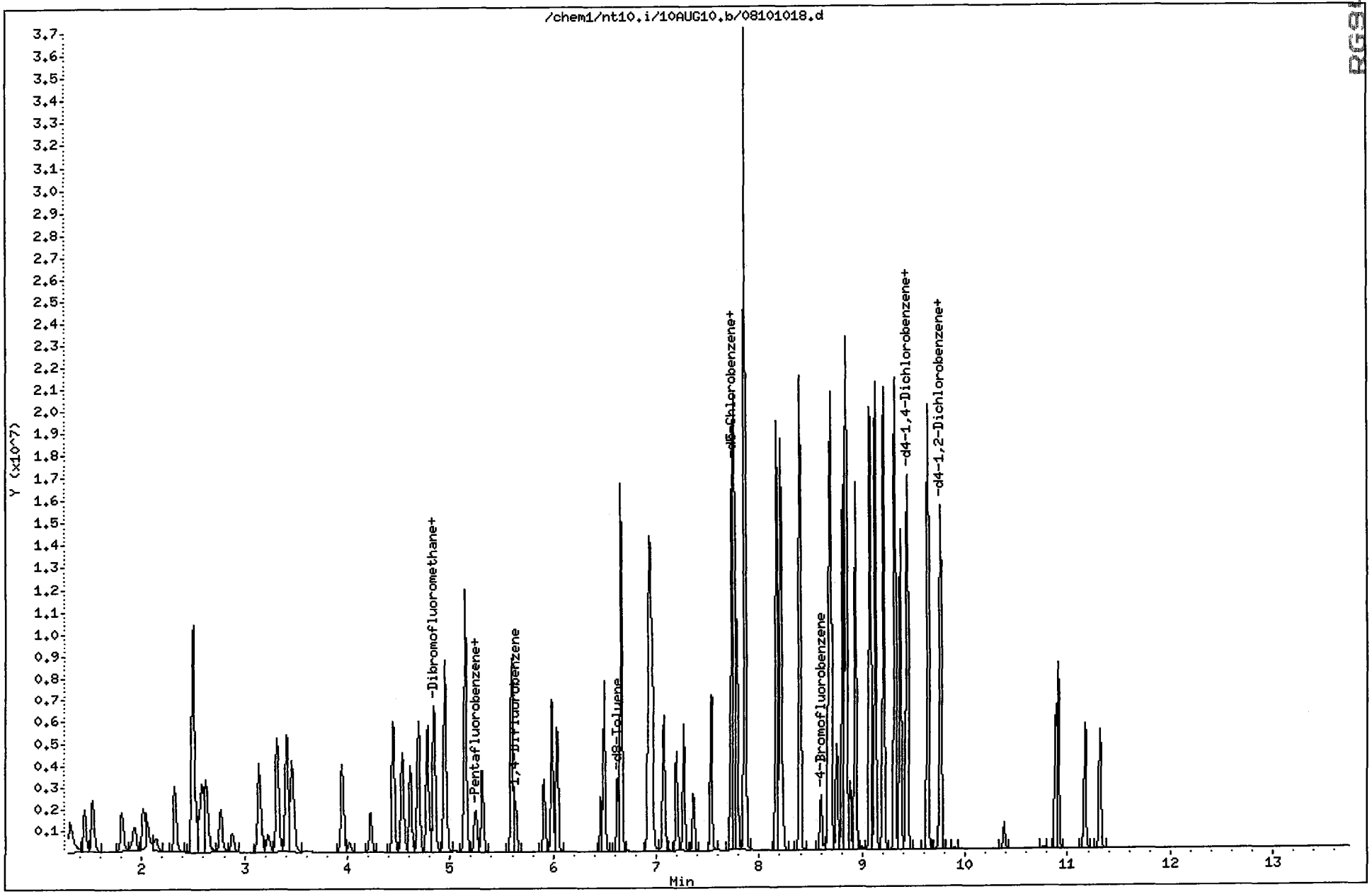
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101018.d
Date : 10-AUG-2010 17:15
Client ID: 40 ppb
Sample Info: IC40,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX5~~MS~~.2 624MS PC&(M)(W)

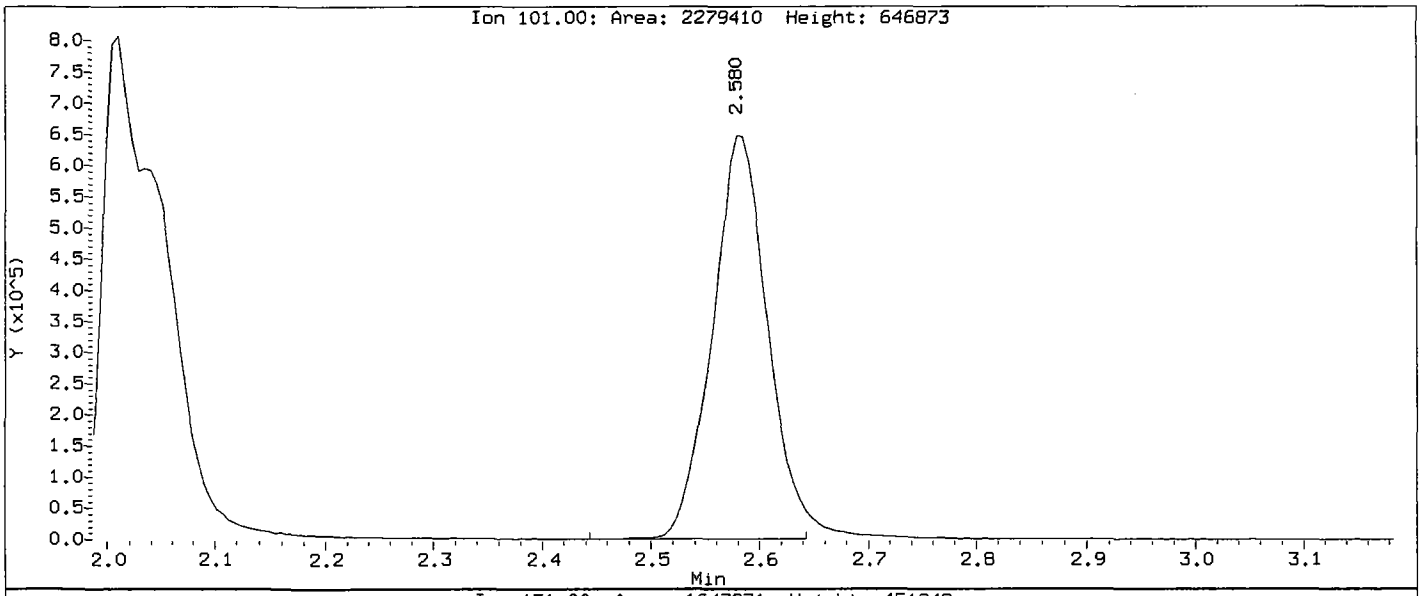


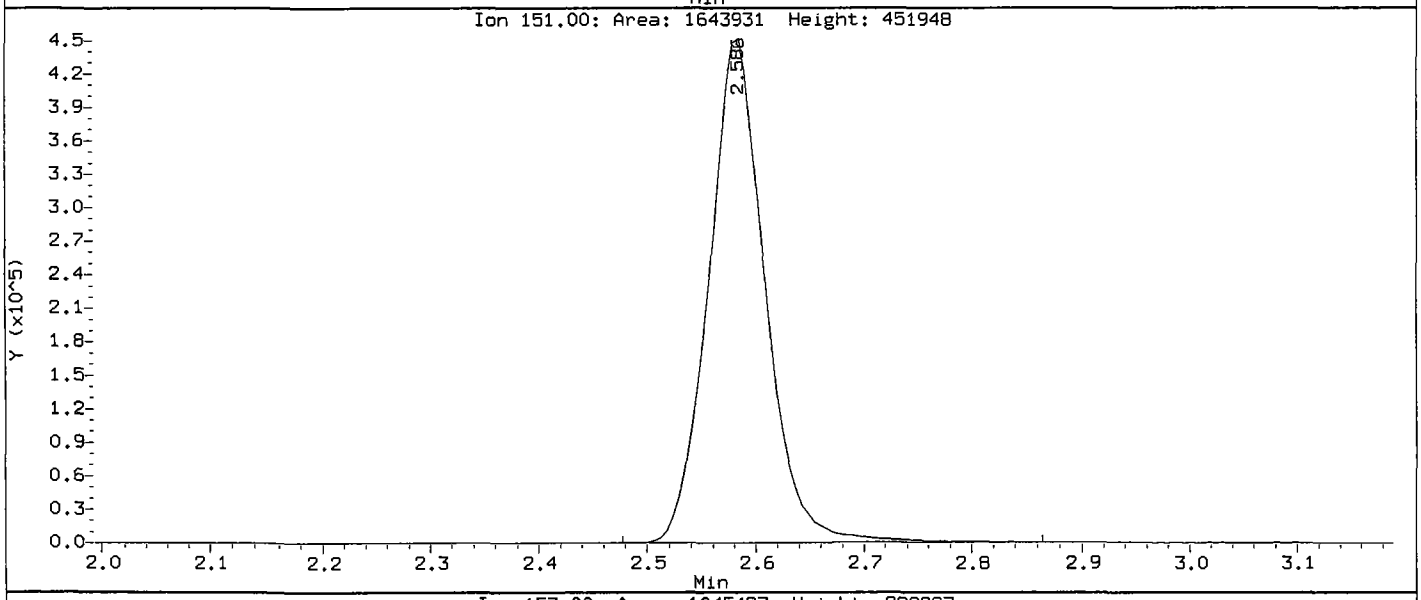
PC&(M)(W) 624MS

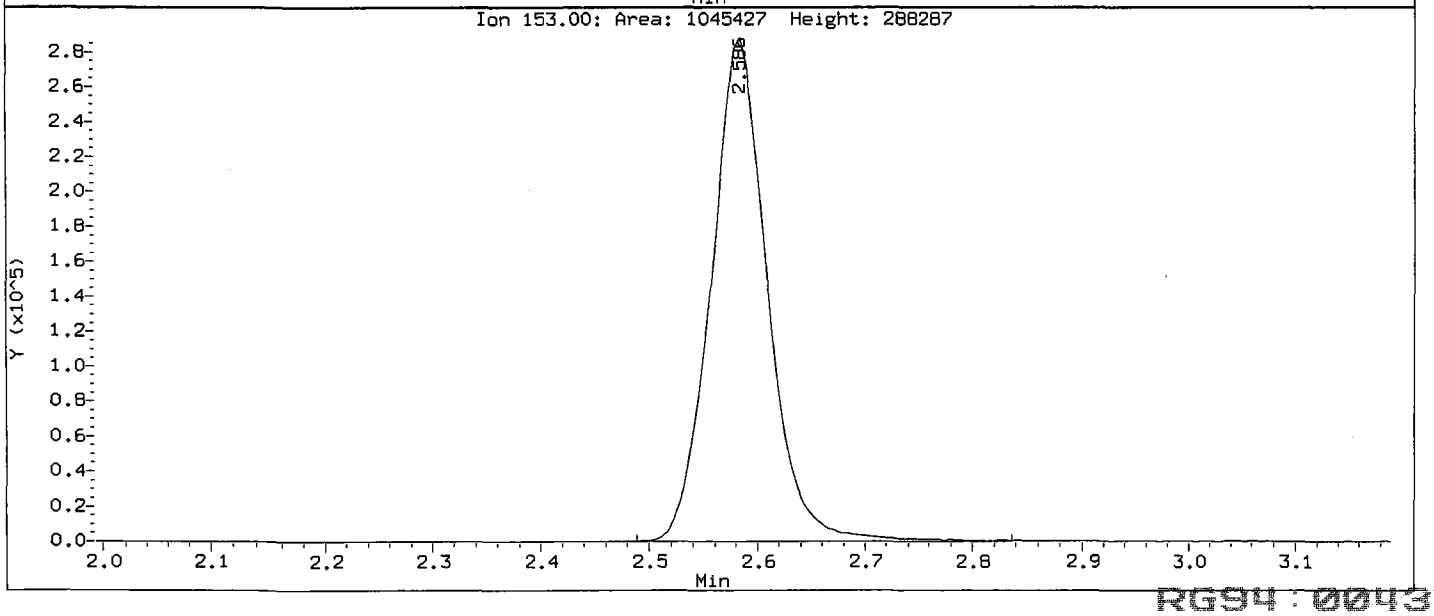
PC 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101018.d
Injection Date: 10-AUG-2010 17:15
Instrument: nt10.i
Client Sample ID: 40 ppb

Compound: 112Trichloro122Trifluoroethane
CAS Number:

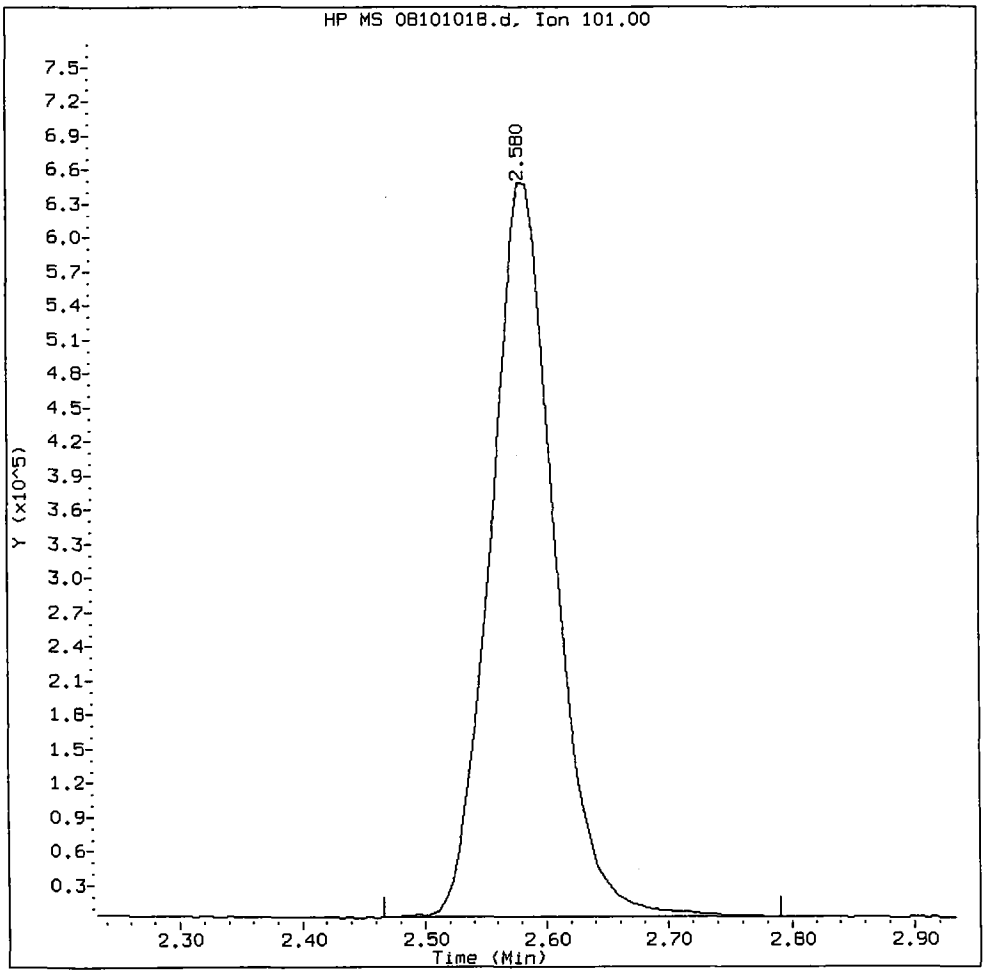






IC40, /chem1/nt10.i/10AUG10.b/08101018.d

112Trichloro122Trifluoroethane Amount: 37.49 Area: 2337350



MANUAL INTEGRATION for 112Trichloro122Trifluoroethane

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

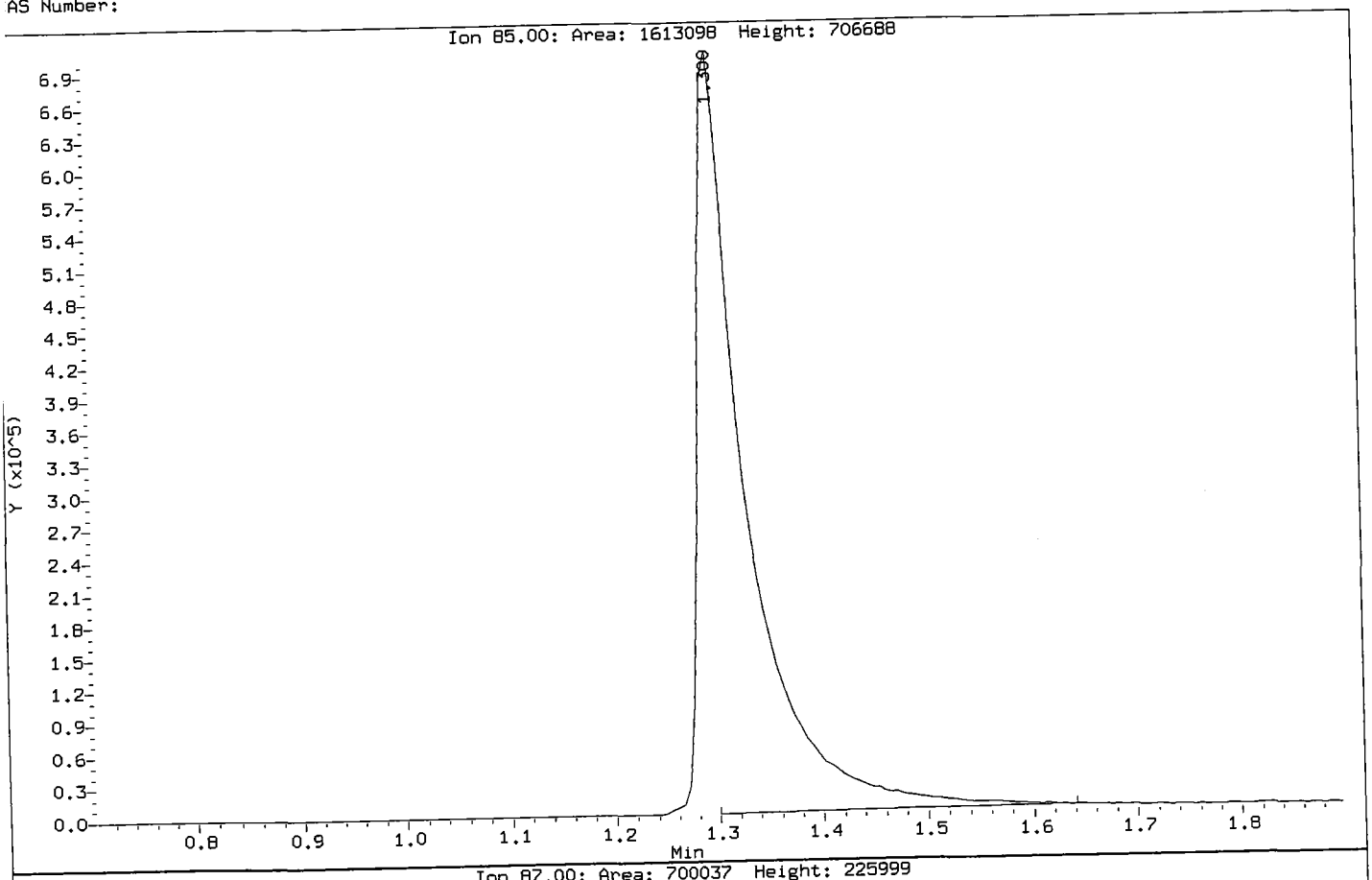
5. Other _____

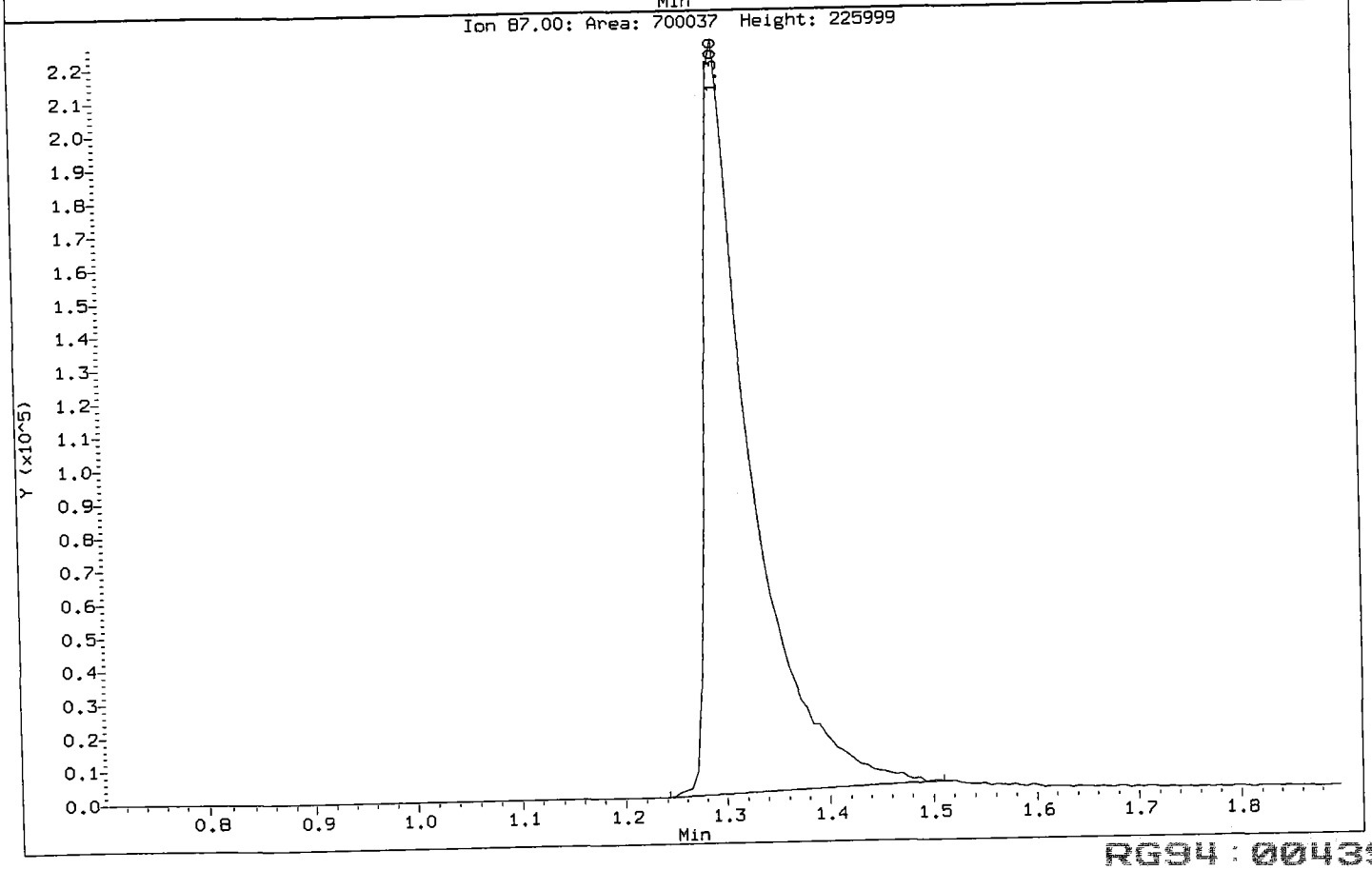
Analyst: PC Date: 8/11/10

PC 8/11/10

ata File: /chem1/nt10.i/10AUG10.b/08101018.d
njection Date: 10-AUG-2010 17:15
nstrument: nt10.i
lient Sample ID: 40 ppb

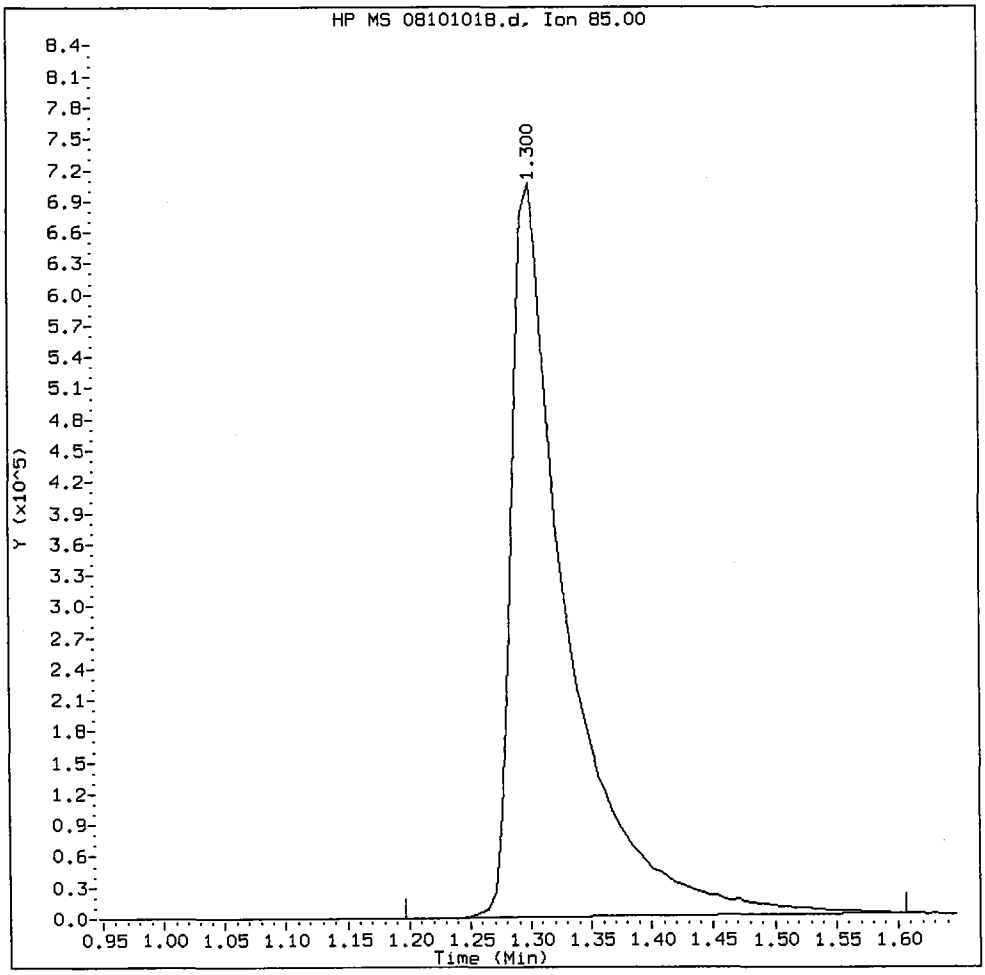
ompound: Dichlorodifluoromethane
AS Number:





IC40, /chem1/nt10.i/10AUG10.b/08101018.d

Dichlorodifluoromethane Amount: 39.54 Area: 2262650



MANUAL INTEGRATION for Dichlorodifluoromethane

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: PC Date: 8/11/10

PC 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101019.d
Lab Smp Id: IC20 Client Smp ID: 20 ppb
Inj Date : 10-AUG-2010 17:41
Operator : PC Inst ID: nt10.i
Smp Info : IC20,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.299	(0.248)	1092879	20.0000	19.475
2 Chloromethane	50	1.442	1.442	(0.275)	1029250	20.0000	19.160
3 Vinyl Chloride	62	1.516	1.516	(0.289)	1318582	20.0000	19.677
4 Bromomethane	94	1.800	1.800	(0.344)	711705	20.0000	20.039
5 Chloroethane	64	1.920	1.925	(0.367)	829376	20.0000	19.529
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	1550461	20.0000	20.488(QM)
8 Acrolein	56	2.876	2.876	(0.549)	461467	100.000	104.24(Q)
9 112Trichloro122Trifluoroethane	101	2.580	2.586	(0.493)	1230609	20.0000	20.128
10 Acetone	43	3.223	3.223	(0.615)	572300	100.000	93.430
11 1,1-Dichloroethene	96	2.495	2.494	(0.476)	1164908	20.0000	19.899
12 Bromoethane	108	2.762	2.768	(0.527)	885348	20.0000	20.406
13 Iodomethane	142	2.626	2.625	(0.501)	1783865	20.0000	20.553
14 Methylene Chloride	84	3.143	3.143	(0.600)	1125758	20.0000	19.707
15 Acrylonitrile	53	4.020	4.020	(0.767)	190858	20.0000	20.002
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	2456846	20.0000	20.477
17 Carbon Disulfide	76	2.495	2.494	(0.476)	4185176	20.0000	20.423

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	1142646	20.0000	20.583
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	1271623	20.0000	20.338
	21 1,1-Dichloroethane	63	3.952	3.946	(0.754)	1936321	20.0000	19.958
	22 2-Butanone	43	4.959	4.959	(0.947)	1081147	100.000	96.812
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	1311021	20.0000	20.000
	24 Cis-1,2-Dichloroethene	96	4.447	4.447	(0.849)	1161484	20.0000	19.727
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	784927	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	1970629	20.0000	19.770
	27 Bromochloromethane	128	4.612	4.612	(0.880)	483083	20.0000	19.908
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	467516	10.0000	10.027
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	1627062	20.0000	19.929
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	1607020	20.0000	19.955
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	1445223	20.0000	19.785
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	502276	10.0000	9.740
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	1257036	20.0000	19.610
	34 Benzene	78	5.141	5.141	(0.912)	4414130	20.0000	20.349
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1434890	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	1066886	20.0000	19.967
	37 1,2-Dichloropropane	63	5.989	5.989	(1.063)	978707	20.0000	19.930
	38 Bromodichloromethane	83	6.040	6.034	(1.072)	1390756	20.0000	19.634
	39 Dibromomethane	93	5.909	5.909	(1.048)	528444	20.0000	19.718
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	424521	20.0000	20.215
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	1135327	100.000	104.07
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	1568667	20.0000	20.201
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1699767	10.0000	9.860
	44 Toluene	92	6.660	6.660	(1.182)	2626105	20.0000	20.246
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.235)	1353862	20.0000	20.456
	46 2-Hexanone	43	7.537	7.537	(0.976)	1722310	100.000	101.13
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	688884	20.0000	20.052
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	1259615	20.0000	20.304
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	938357	20.0000	19.856
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	835987	20.0000	20.262
	51 1,2-Dibromoethane	107	7.360	7.360	(1.306)	663575	20.0000	19.850
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1287875	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	2827392	20.0000	20.245(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	238527	20.0000	19.580(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	965112	20.0000	20.215
	56 m,p-xylene	106	7.861	7.861	(1.018)	3847733	40.0000	42.002
	58 o-Xylene	106	8.169	8.168	(1.057)	1818729	20.0000	20.222
	59 Styrene	104	8.208	8.208	(1.063)	2919937	20.0000	20.296
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	4769121	20.0000	21.564
	61 Bromoform	173	8.226	8.225	(0.873)	458205	20.0000	21.113
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	847888	20.0000	20.095
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	622534	10.0000	9.797
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	253436	20.0000	20.574
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	234434	20.0000	21.463
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	5749624	20.0000	21.655

Data File: /chem1/nt10.i/10AUG10.b/08101019.d
Report Date: 11-Aug-2010 11:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	1010900	20.0000	20.521
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	3820752	20.0000	20.549
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	3803058	20.0000	20.971
	70 4-Chloro Toluene	91	8.931	8.931	(0.947)	3526824	20.0000	20.881
	71 T-Butyl Benzene	119	9.073	9.073	(0.963)	3142295	20.0000	20.314
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	3810343	20.0000	20.578
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	4772714	20.0000	20.434
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	3780056	20.0000	20.104
	75 1,3-Dichlorobenzene	146	9.369	9.369	(0.994)	1999014	20.0000	20.254
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	628786	10.0000	(Q)
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	2047048	20.0000	19.823(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	3792098	20.0000	20.024
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	548028	10.0000	9.780(Q)
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	1804453	20.0000	19.776(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	121499	20.0000	19.298(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	901394	20.0000	19.616
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	363208	20.0000	18.470
	84 Naphthalene	128	11.168	11.168	(1.185)	1829568	20.0000	20.059
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	693435	20.0000	19.107

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101019.d
Lab Smp Id: IC20
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 20 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	784927	-3.08
35 1,4-Difluorobenze	1494542	747271	2989084	1434890	-3.99
52 d5-Chlorobenzene	1406726	703363	2813452	1287875	-8.45
76 d4-1,4-Dichlorobe	781222	390611	1562444	628786	-19.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

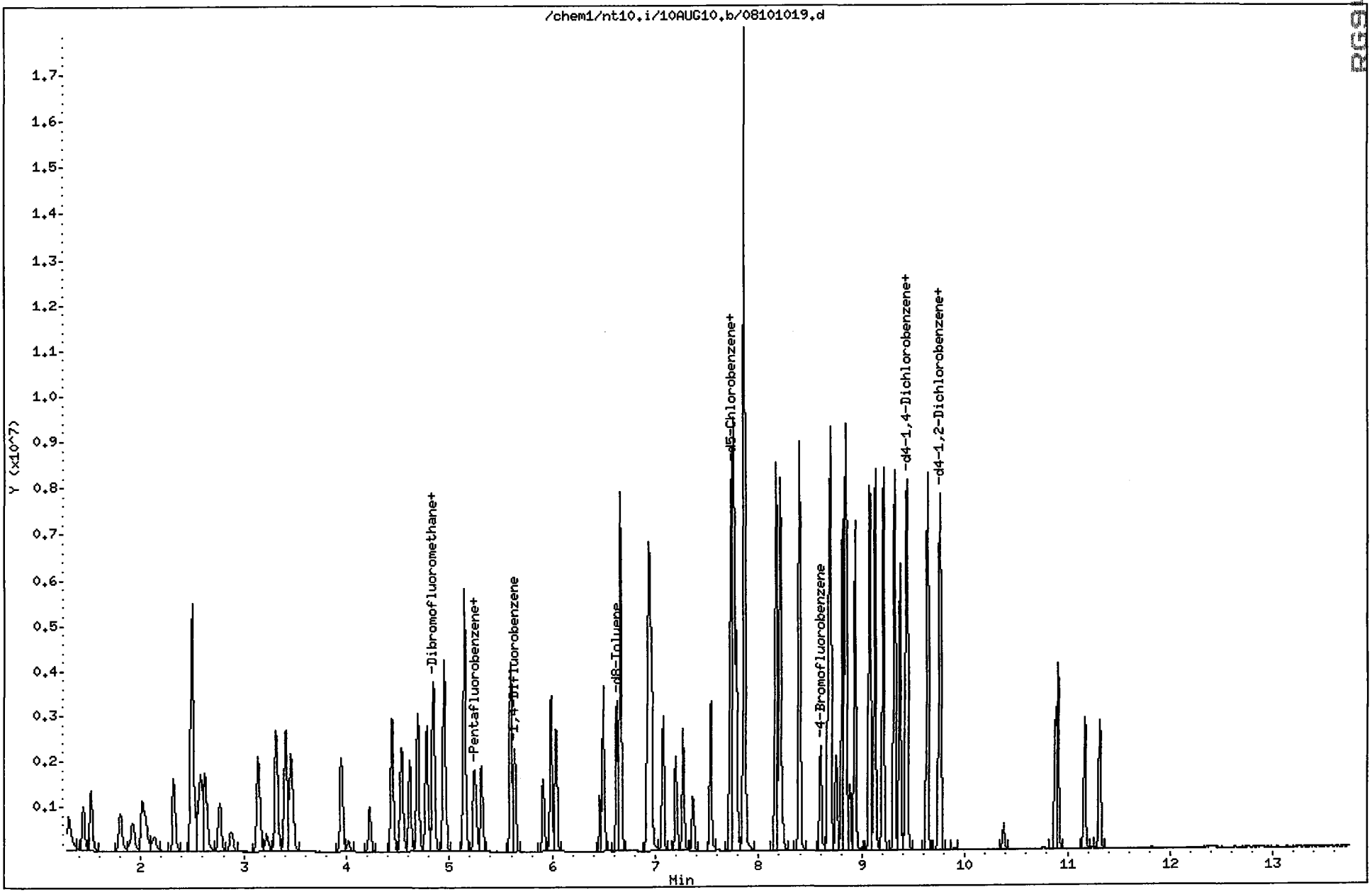
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101019.d
Date : 10-AUG-2010 17:41
Client ID: 20 ppb
Sample Info: IC20,10,10,0,,

Instrument: nt10.i

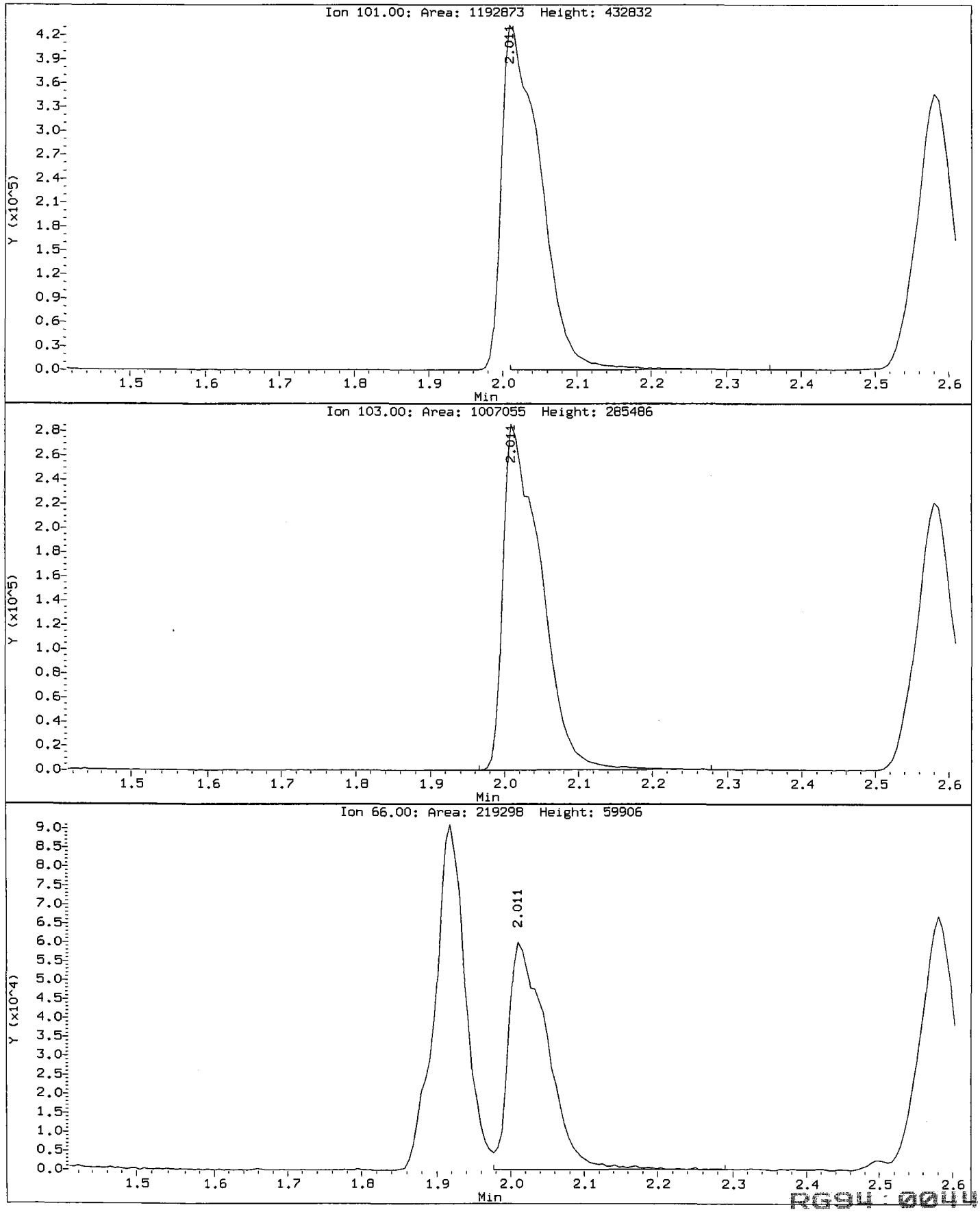
Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ rMS PC 8/11/10



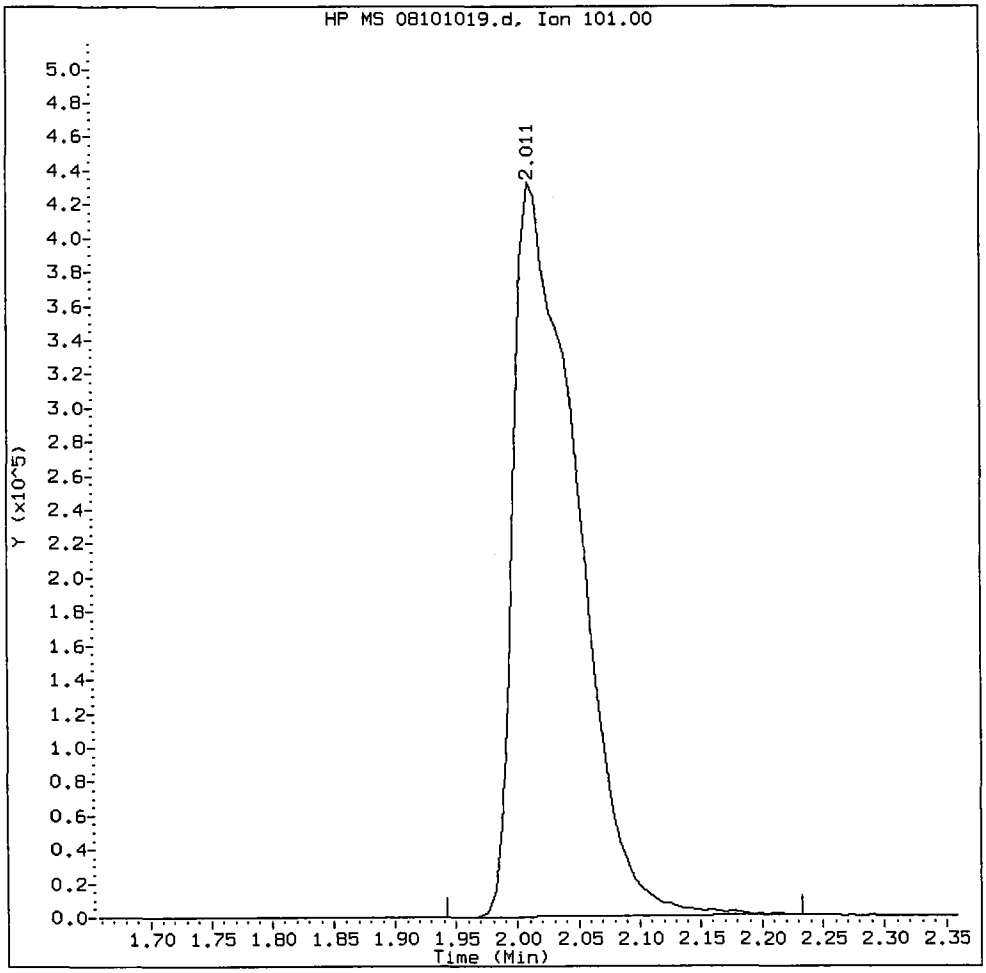
Data File: /chem1/nt10.i/10AUG10.b/08101019.d
Injection Date: 10-AUG-2010 17:41
Instrument: nt10.i
Client Sample ID: 20 ppb

Compound: Trichlorofluoromethane
CAS Number:



IC20, /chem1/nt10.i/10AUG10.b/08101019.d

Trichlorofluoromethane Amount: 20.49 Area: 1550461



MANUAL INTEGRATION for Trichlorofluoromethane

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: PC Date: 8/11/10

PC 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101020.d
Lab Smp Id: IC10 Client Smp ID: 10 ppb
Inj Date : 10-AUG-2010 18:06
Operator : PC Inst ID: nt10.i
Smp Info : IC10,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.299	1.299	(0.248)	526879	10.0000	9.100
2 Chloromethane	50	1.442	1.442	(0.275)	510188	10.0000	9.205
3 Vinyl Chloride	62	1.516	1.516	(0.289)	639218	10.0000	9.245
4 Bromomethane	94	1.800	1.800	(0.344)	337322	10.0000	9.205
5 Chloroethane	64	1.925	1.925	(0.368)	414468	10.0000	9.459
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	752344	10.0000	9.636(Q)
8 Acrolein	56	2.876	2.876	(0.549)	228655	50.0000	50.061(Q)
9 112Trichloro122Trifluoroethane	101	2.586	2.586	(0.494)	584548	10.0000	9.267
10 Acetone	43	3.223	3.223	(0.615)	326263	50.0000	51.625
11 1,1-Dichloroethene	96	2.494	2.494	(0.476)	556773	10.0000	9.218
12 Bromoethane	108	2.768	2.768	(0.528)	410986	10.0000	9.181
13 Iodomethane	142	2.625	2.625	(0.501)	848749	10.0000	9.478
14 Methylene Chloride	84	3.143	3.143	(0.600)	544264	10.0000	9.234
15 Acrylonitrile	53	4.020	4.020	(0.767)	97480	10.0000	9.902
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	1204399	10.0000	9.729
17 Carbon Disulfide	76	2.494	2.494	(0.476)	2001461	10.0000	9.466

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	553849	10.0000	9.670
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	649309	10.0000	10.065
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	958742	10.0000	9.578
	22 2-Butanone	43	4.959	4.959	(0.947)	580931	50.0000	50.419
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	645814	10.0000	9.549
	24 Cis-1,2-Dichloroethene	96	4.447	4.447	(0.849)	575948	10.0000	9.481
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	809844	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	980215	10.0000	9.531
	27 Bromochloromethane	128	4.612	4.612	(0.880)	235688	10.0000	9.414
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	468128	10.0000	9.731
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	805038	10.0000	9.557
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	795984	10.0000	9.490
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	722779	10.0000	9.500
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	524601	10.0000	9.859
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	639585	10.0000	9.579
	34 Benzene	78	5.141	5.141	(0.912)	2211138	10.0000	9.786
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1494542	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	531204	10.0000	9.545
	37 1,2-Dichloropropane	63	5.989	5.989	(1.063)	502172	10.0000	9.818
	38 Bromodichloromethane	83	6.034	6.034	(1.071)	714679	10.0000	9.687
	39 Dibromomethane	93	5.909	5.909	(1.048)	271085	10.0000	9.711
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	225692	10.0000	10.318
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	609967	50.0000	53.681
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	807926	10.0000	9.989
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1827816	10.0000	10.179
	44 Toluene	92	6.660	6.660	(1.182)	1358015	10.0000	10.052
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.235)	697934	10.0000	10.124
	46 2-Hexanone	43	7.537	7.537	(0.976)	945407	50.0000	50.820
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	362478	10.0000	10.130
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	666373	10.0000	9.834
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	494808	10.0000	9.586
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	442473	10.0000	9.818
	51 1,2-Dibromoethane	107	7.360	7.360	(1.306)	349927	10.0000	10.050
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1406726	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	1503622	10.0000	9.857(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	133079	10.0000	10.001(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.781	7.781	(1.007)	531579	10.0000	10.193
	56 m,p-xylene	106	7.861	7.861	(1.018)	2112951	20.0000	21.117
	58 o-Xylene	106	8.168	8.168	(1.057)	1020875	10.0000	10.392
	59 Styrene	104	8.208	8.208	(1.063)	1665040	10.0000	10.595
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	2811251	10.0000	10.231
	61 Bromoform	173	8.225	8.225	(0.873)	258169	10.0000	9.575
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	488894	10.0000	9.326
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	733825	10.0000	10.572
	64 1,2,3-Trichloropropane	110	8.851	8.851	(0.939)	144667	10.0000	9.453
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	128010	10.0000	9.433
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	3488442	10.0000	10.575

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
67	Bromobenzene	156	8.675	8.675	(0.920)	584718	10.0000	9.553
68	1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	2374652	10.0000	10.279
69	2-Chloro Toluene	91	8.812	8.812	(0.935)	2258773	10.0000	10.025
70	4-Chloro Toluene	91	8.931	8.931	(0.947)	2085258	10.0000	9.937
71	T-Butyl Benzene	119	9.073	9.073	(0.963)	1988169	10.0000	10.345
72	1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	2397690	10.0000	10.422
73	S-Butyl Benzene	105	9.210	9.210	(0.977)	3112250	10.0000	10.725
74	4-Isopropyl Toluene	119	9.318	9.318	(0.989)	2495824	10.0000	10.684
75	1,3-Dichlorobenzene	146	9.369	9.369	(0.994)	1218449	10.0000	9.936
* 76	d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	781222	10.0000	
77	1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	1259430	10.0000	9.816(Q)
78	N-Butyl Benzene	91	9.637	9.637	(1.022)	2528151	10.0000	10.745
$ 79	d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	714758	10.0000	10.266
80	1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	1144038	10.0000	10.092(Q)
81	1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	79469	10.0000	10.159(Q)
82	1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	690410	10.0000	12.093
83	Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	290615	10.0000	11.895
84	Naphthalene	128	11.168	11.168	(1.185)	1347438	10.0000	11.890
85	1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	564218	10.0000	12.513

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101020.d
Lab Smp Id: IC10
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 10 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	809844	0.00
35 1,4-Difluorobenze	1494542	747271	2989084	1494542	0.00
52 d5-Chlorobenzene	1406726	703363	2813452	1406726	0.00
76 d4-1,4-Dichlorobe	781222	390611	1562444	781222	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

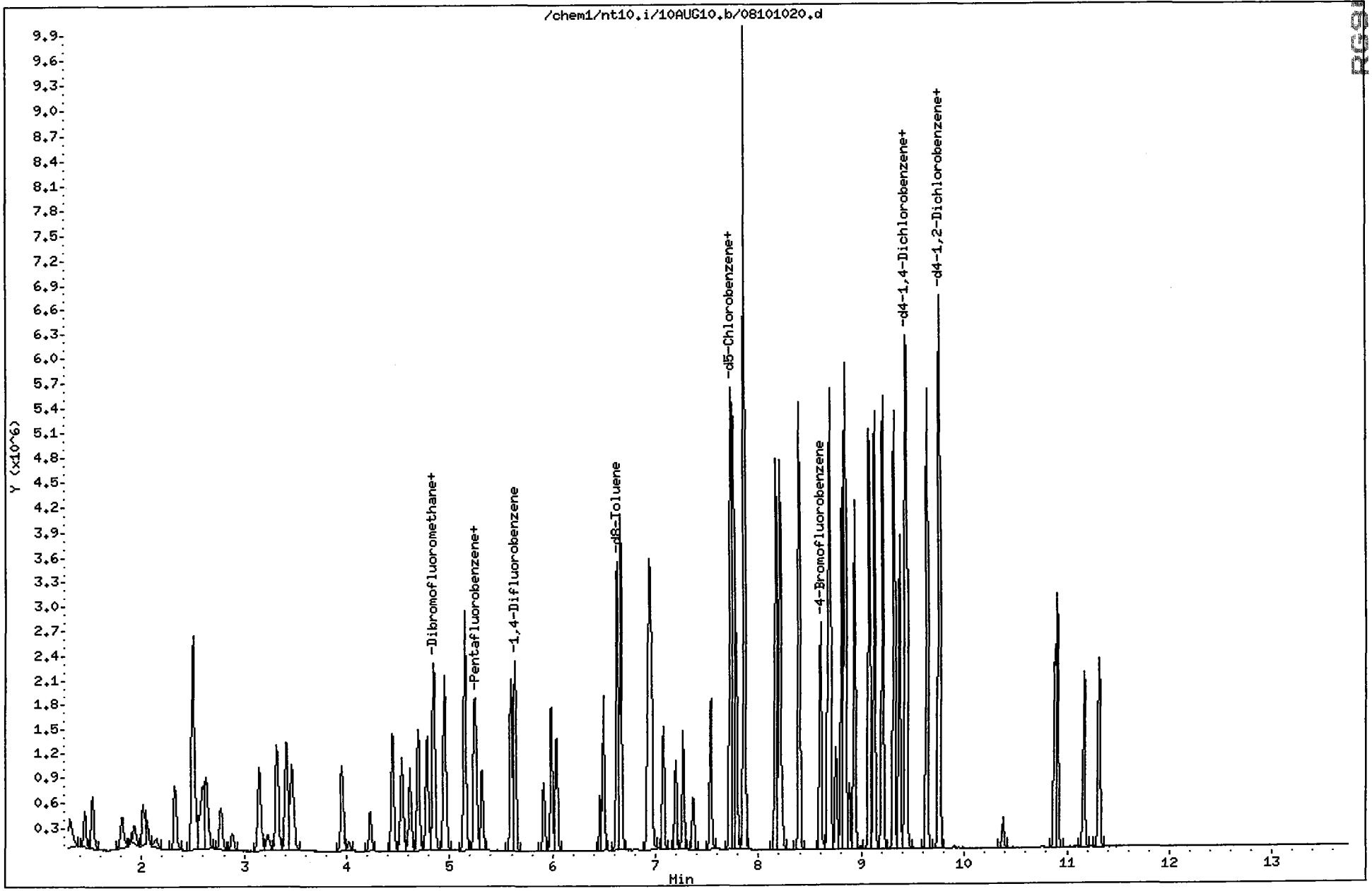
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101020.d
Date : 10-AUG-2010 18:06
Client ID: 10 ppb
Sample Info: IC10,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ VMS PC 8/11/10



RSQ1 09152

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101021.d
Lab Smp Id: IC02 Client Smp ID: 2 ppb
Inj Date : 10-AUG-2010 18:31
Operator : PC Inst ID: nt10.i
Smp Info : IC02,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.294	1.299	(0.247)	100865	2.00000	2.010
2 Chloromethane	50	1.436	1.442	(0.274)	97242	2.00000	2.025
3 Vinyl Chloride	62	1.510	1.516	(0.288)	124884	2.00000	2.084
4 Bromomethane	94	1.800	1.800	(0.344)	62652	2.00000	1.973
5 Chloroethane	64	1.920	1.925	(0.367)	76129	2.00000	2.005
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	135390	2.00000	2.001(Q)
8 Acrolein	56	2.870	2.876	(0.548)	40196	10.0000	10.155(Q)
9 112Trichloro122Trifluoroethane	101	2.580	2.586	(0.493)	108768	2.00000	1.990
10 Acetone	43	3.223	3.223	(0.615)	62700	10.0000	11.448
11 1,1-Dichloroethene	96	2.495	2.494	(0.476)	101127	2.00000	1.932
12 Bromoethane	108	2.762	2.768	(0.527)	76215	2.00000	1.965
13 Iodomethane	142	2.626	2.625	(0.501)	154365	2.00000	1.989
14 Methylene Chloride	84	3.138	3.143	(0.599)	101412	2.00000	1.985
15 Acrylonitrile	53	4.014	4.020	(0.766)	18283	2.00000	2.143(M)
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	211115	2.00000	1.968
17 Carbon Disulfide	76	2.495	2.494	(0.476)	355736	2.00000	1.941

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	98789	2.00000	1.990
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	107989	2.00000	1.932
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	172427	2.00000	1.988
	22 2-Butanone	43	4.953	4.959	(0.946)	98965	10.0000	9.911
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	117853	2.00000	2.011
	24 Cis-1,2-Dichloroethene	96	4.441	4.447	(0.848)	102442	2.00000	1.946
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	701848	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	176508	2.00000	1.980
	27 Bromochloromethane	128	4.612	4.612	(0.880)	43586	2.00000	2.009
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	424768	10.0000	10.188
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	145414	2.00000	1.992
	30 1,1-Dichloropropene	75	4.942	4.942	(0.878)	139170	2.00000	1.920
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	130107	2.00000	1.979
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	477298	10.0000	10.351
	33 1,2-Dichloroethane	62	5.306	5.312	(0.942)	111862	2.00000	1.939
	34 Benzene	78	5.141	5.141	(0.913)	378658	2.00000	1.939
*	35 1,4-Difluorobenzene	114	5.631	5.636	(1.000)	1291441	10.0000	
	36 Trichloroethene	130	5.591	5.596	(0.993)	94346	2.00000	1.962
	37 1,2-Dichloropropane	63	5.983	5.989	(1.063)	84835	2.00000	1.919
	38 Bromodichloromethane	83	6.035	6.034	(1.072)	123850	2.00000	1.943
	39 Dibromomethane	93	5.909	5.909	(1.050)	47955	2.00000	1.988
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.148)	35877	2.00000	1.898
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.233)	92886	10.0000	9.460
	42 Cis 1,3-dichloropropene	75	6.496	6.495	(1.154)	130466	2.00000	1.867
$	43 d8-Toluene	98	6.626	6.626	(1.177)	1552234	10.0000	10.004
	44 Toluene	92	6.661	6.660	(1.183)	223782	2.00000	1.917
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.236)	112365	2.00000	1.886
	46 2-Hexanone	43	7.531	7.537	(0.975)	154299	10.0000	9.682
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.257)	61755	2.00000	1.997
	48 1,3-Dichloropropane	76	7.270	7.269	(0.941)	112517	2.00000	1.938
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	84135	2.00000	1.903
	50 Chlorodibromomethane	129	7.196	7.195	(0.931)	75498	2.00000	1.956
	51 1,2-Dibromoethane	107	7.361	7.360	(1.307)	59596	2.00000	1.981
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1205067	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	253446	2.00000	1.939(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	22639	2.00000	1.986(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	90075	2.00000	2.016
	56 m,p-xylene	106	7.861	7.861	(1.018)	335205	4.00000	3.911
	58 o-Xylene	106	8.169	8.168	(1.057)	168482	2.00000	2.002
	59 Styrene	104	8.209	8.208	(1.063)	260538	2.00000	1.935
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	457513	2.00000	1.880
	61 Bromoform	173	8.226	8.225	(0.873)	42700	2.00000	1.788
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	87664	2.00000	1.888
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	633402	10.0000	10.653
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	25531	2.00000	1.884
	65 Trans-1,4-Dichloro 2-Butene	53	8.880	8.886	(0.942)	21026	2.00000	1.750
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	571828	2.00000	1.958

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	98547	2.00000	1.818
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	397234	2.00000	1.942
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	378998	2.00000	1.900
	70 4-Chloro Toluene	91	8.931	8.931	(0.947)	354036	2.00000	1.905
	71 T-Butyl Benzene	119	9.074	9.073	(0.963)	326467	2.00000	1.918
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	398911	2.00000	1.958
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	520195	2.00000	2.024
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	418031	2.00000	2.021
	75 1,3-Dichlorobenzene	146	9.370	9.369	(0.994)	208479	2.00000	1.920
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	691791	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	219111	2.00000	1.929(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	435661	2.00000	2.091
$	79 d4-1,2-Dichlorobenzene	152	9.757	9.756	(1.035)	641977	10.0000	10.413
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	201604	2.00000	2.008(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.383	10.382	(1.101)	14547	2.00000	2.100(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	120670	2.00000	2.387
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	55739	2.00000	2.576
	84 Naphthalene	128	11.168	11.168	(1.185)	239903	2.00000	2.391
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	100919	2.00000	2.527

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101021.d
Lab Smp Id: IC02
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 2 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	701848	-13.34
35 1,4-Difluorobenze	1494542	747271	2989084	1291441	-13.59
52 d5-Chlorobenzene	1406726	703363	2813452	1205067	-14.34
76 d4-1,4-Dichlorobe	781222	390611	1562444	691791	-11.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.63	-0.10
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

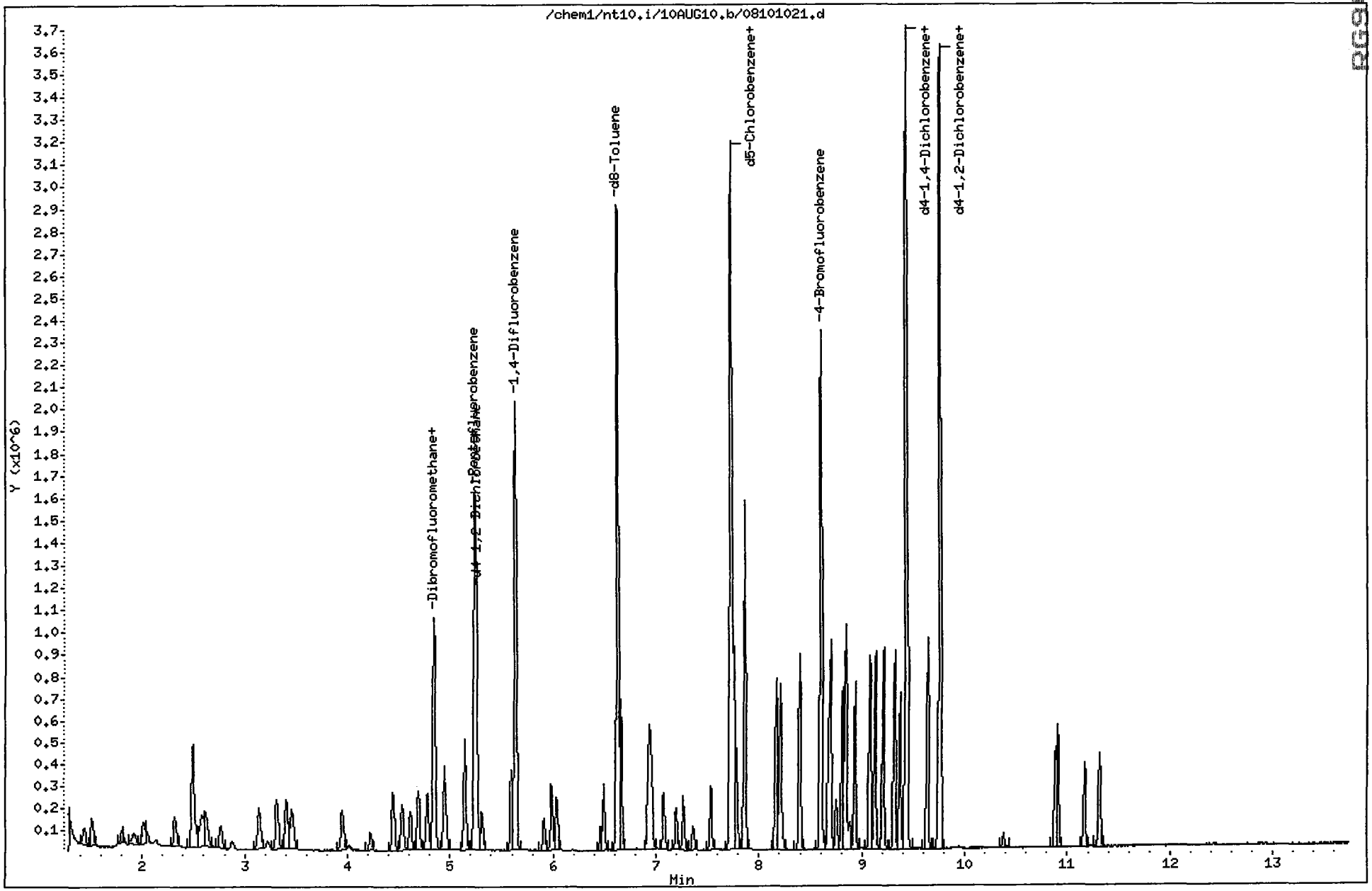
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101021.d
Date : 10-AUG-2010 18:31
Client ID: 2 ppb
Sample Info: IC02,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ VMS 1 cs/11/10

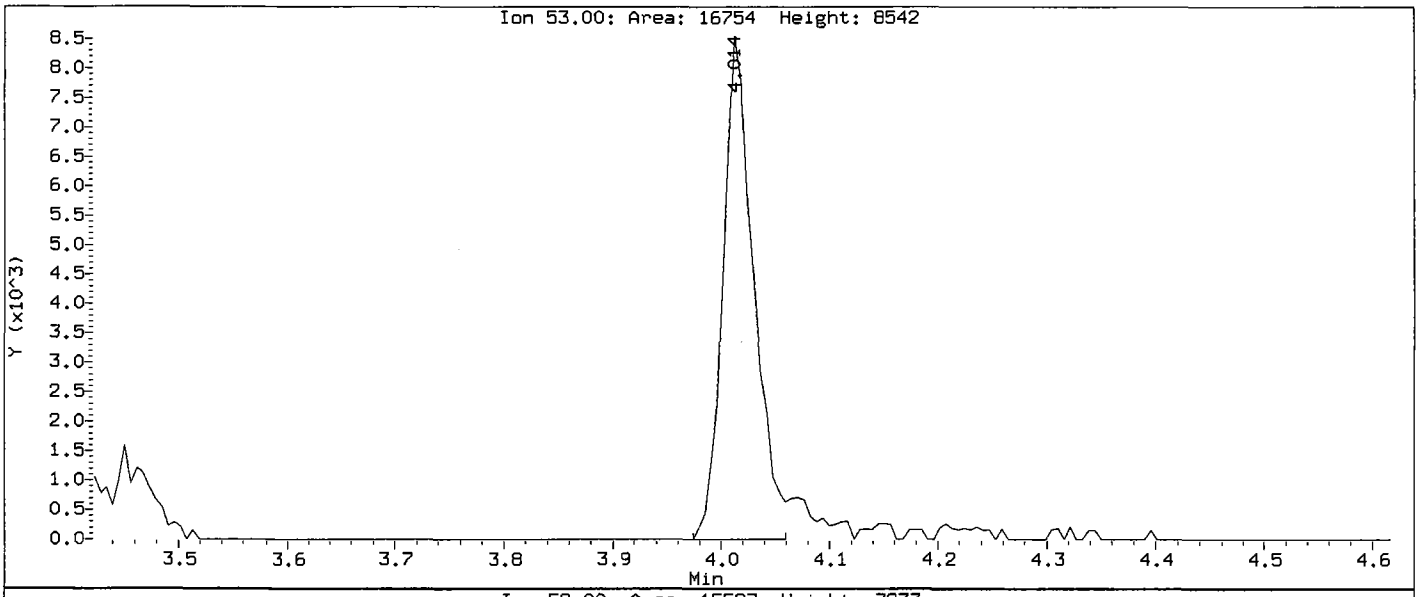


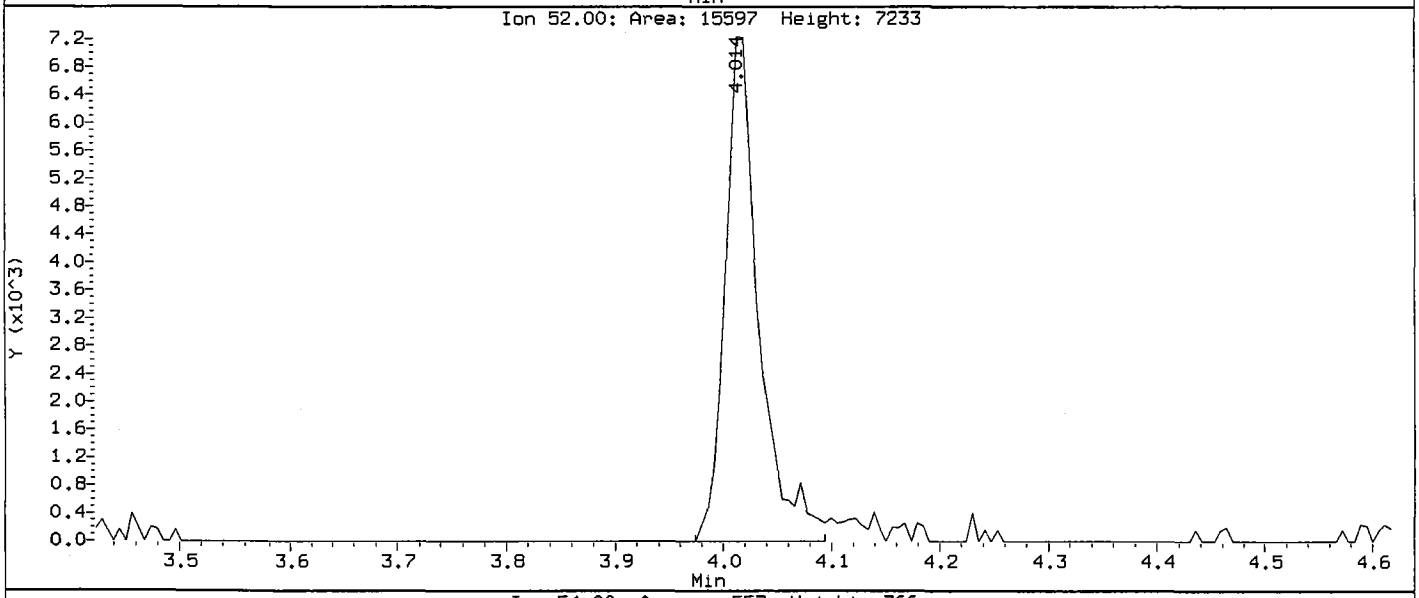
R69H-00157

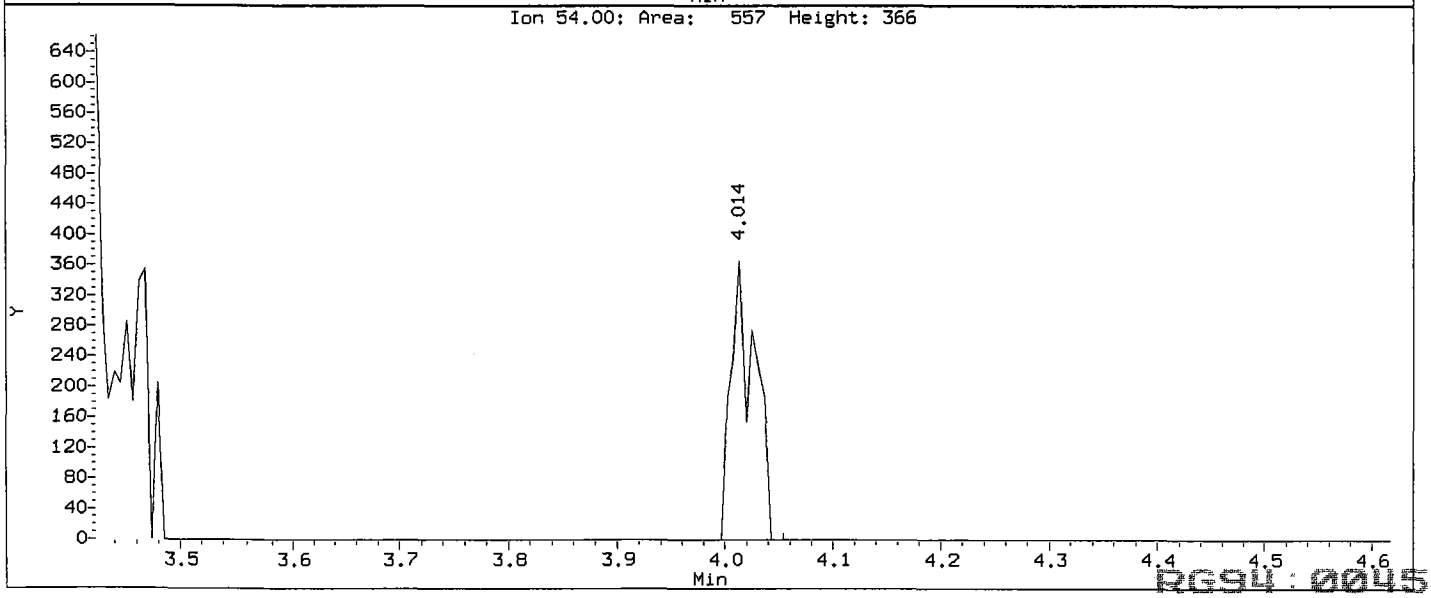
RG 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101021.d
Injection Date: 10-AUG-2010 18:31
Instrument: nt10.i
Client Sample ID: 2 ppb

Compound: Acrylonitrile
CAS Number:

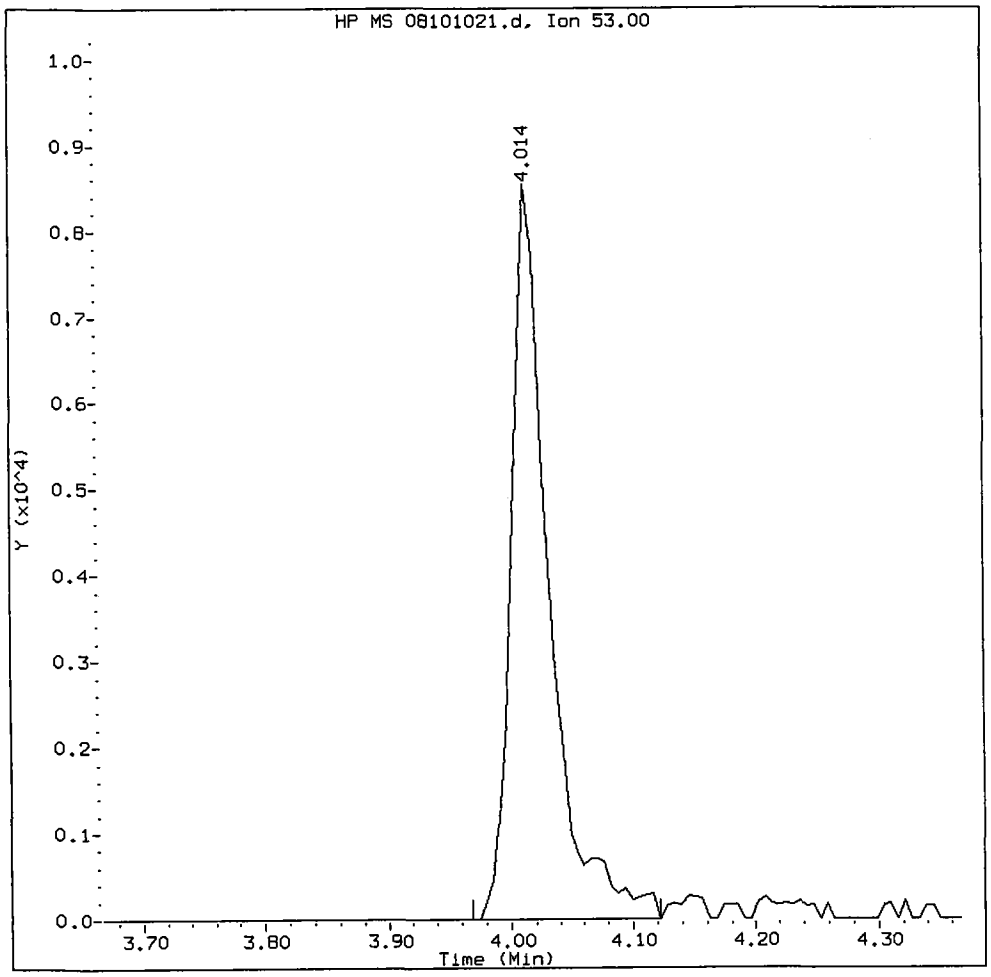






IC02, /chem1/nt10.i/10AUG10.b/08101021.d

Acrylonitrile Amount: 2.14 Area: 18283



MANUAL INTEGRATION for Acrylonitrile

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: PC Date: 8/11/10

RG 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101022.d
Lab Smp Id: IC01 Client Smp ID: 1 ppb
Inj Date : 10-AUG-2010 18:56
Operator : PC Inst ID: nt10.i
Smp Info : IC01,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.294	1.299	(0.247)	53276	1.00000	1.104
2 Chloromethane	50	1.436	1.442	(0.274)	51998	1.00000	1.125
3 Vinyl Chloride	62	1.510	1.516	(0.288)	63429	1.00000	1.100
4 Bromomethane	94	1.789	1.800	(0.342)	31162	1.00000	1.020
5 Chloroethane	64	1.914	1.925	(0.365)	36744	1.00000	1.006
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	67272	1.00000	1.033(Q)
8 Acrolein	56	2.876	2.876	(0.549)	18008	5.00000	4.729(Q)
9 112Trichloro122Trifluoroethane	101	2.580	2.586	(0.493)	54531	1.00000	1.037
10 Acetone	43	3.223	3.223	(0.615)	25727	5.00000	4.883
11 1,1-Dichloroethene	96	2.495	2.494	(0.476)	50798	1.00000	1.009
12 Bromoethane	108	2.768	2.768	(0.528)	40145	1.00000	1.076
13 Iodomethane	142	2.626	2.625	(0.501)	80191	1.00000	1.074
14 Methylene Chloride	84	3.144	3.143	(0.600)	54267	1.00000	1.104
15 Acrylonitrile	53	4.014	4.020	(0.766)	8227	1.00000	1.002
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	107355	1.00000	1.040
17 Carbon Disulfide	76	2.500	2.494	(0.477)	182933	1.00000	1.038

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.320	3.314	(0.634)	50247	1.00000	1.052
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	54643	1.00000	1.016
	21 1,1-Dichloroethane	63	3.952	3.946	(0.754)	88863	1.00000	1.065
	22 2-Butanone	43	4.959	4.959	(0.947)	46000	5.00000	4.789
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	59434	1.00000	1.054
	24 Cis-1,2-Dichloroethene	96	4.447	4.447	(0.849)	52987	1.00000	1.046
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	675178	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	89783	1.00000	1.047
	27 Bromochloromethane	128	4.612	4.612	(0.880)	22360	1.00000	1.071
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	403373	10.0000	10.057
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	75558	1.00000	1.076
	30 1,1-Dichloropropene	75	4.942	4.942	(0.878)	72074	1.00000	1.041
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	64881	1.00000	1.033
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	450658	10.0000	10.159
	33 1,2-Dichloroethane	62	5.306	5.312	(0.942)	57908	1.00000	1.051
	34 Benzene	78	5.141	5.141	(0.913)	192143	1.00000	1.031
*	35 1,4-Difluorobenzene	114	5.630	5.636	(1.000)	1233342	10.0000	
	36 Trichloroethene	130	5.591	5.596	(0.993)	47409	1.00000	1.032
	37 1,2-Dichloropropane	63	5.983	5.989	(1.063)	42803	1.00000	1.014
	38 Bromodichloromethane	83	6.035	6.034	(1.072)	61867	1.00000	1.016
	39 Dibromomethane	93	5.909	5.909	(1.050)	24579	1.00000	1.067
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.148)	18882	1.00000	1.046
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.233)	43949	5.00000	4.687
	42 Cis 1,3-dichloropropene	75	6.496	6.495	(1.154)	65732	1.00000	0.9848
$	43 d8-Toluene	98	6.621	6.626	(1.176)	1442438	10.0000	9.734
	44 Toluene	92	6.661	6.660	(1.183)	109193	1.00000	0.9794
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.236)	55025	1.00000	0.9673
	46 2-Hexanone	43	7.531	7.537	(0.975)	74942	5.00000	5.236
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.257)	29120	1.00000	0.9862
	48 1,3-Dichloropropane	76	7.264	7.269	(0.940)	53996	1.00000	1.036
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	40574	1.00000	1.022
	50 Chlorodibromomethane	129	7.196	7.195	(0.931)	36045	1.00000	1.040
	51 1,2-Dibromoethane	107	7.361	7.360	(1.307)	28930	1.00000	1.007
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1082231	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	119681	1.00000	1.020(Q)
	54 Ethyl Benzene	105	7.753	7.759	(1.004)	10136	1.00000	0.9901(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	39421	1.00000	0.9826
	56 m,p-xylene	106	7.861	7.861	(1.018)	150411	2.00000	1.954
	58 o-Xylene	106	8.169	8.168	(1.057)	73709	1.00000	0.9753
	59 Styrene	104	8.209	8.208	(1.063)	115677	1.00000	0.9568
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	192543	1.00000	1.034
	61 Bromoform	173	8.226	8.225	(0.873)	19414	1.00000	1.063
	62 1,1,2,2-Tetrachloroethane	83	8.749	8.755	(0.928)	38820	1.00000	1.093
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	524090	10.0000	9.815
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	11227	1.00000	1.083
	65 Trans-1,4-Dichloro 2-Butene	53	8.880	8.886	(0.942)	9806	1.00000	1.067(Q)
	66 N-Propyl Benzene	91	8.692	8.698	(0.922)	236935	1.00000	1.060

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	43241	1.00000	1.043
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	156800	1.00000	1.002
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	159488	1.00000	1.045
	70 4-Chloro Toluene	91	8.931	8.931	(0.947)	145588	1.00000	1.024
	71 T-Butyl Benzene	119	9.074	9.073	(0.963)	127852	1.00000	0.9820
	72 1,2,4-Trimethylbenzene	105	9.125	9.130	(0.968)	155384	1.00000	0.9970
	73 S-Butyl Benzene	105	9.204	9.210	(0.976)	197305	1.00000	1.004
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	153754	1.00000	0.9715
	75 1,3-Dichlorobenzene	146	9.370	9.369	(0.994)	85070	1.00000	1.024
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	529247	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	89825	1.00000	1.033(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	154791	1.00000	0.9711
$	79 d4-1,2-Dichlorobenzene	152	9.751	9.756	(1.034)	470423	10.0000	9.974
	80 1,2-Dichlorobenzene	146	9.757	9.762	(1.035)	78952	1.00000	1.028(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.383	10.382	(1.101)	6097	1.00000	1.151(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	37370	1.00000	0.9662
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	14734	1.00000	0.8902
	84 Naphthalene	128	11.168	11.168	(1.185)	73821	1.00000	0.9616
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	29611	1.00000	0.9693

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101022.d
Lab Smp Id: IC01
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 1 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	675178	-16.63
35 1,4-Difluorobenze	1494542	747271	2989084	1233342	-17.48
52 d5-Chlorobenzene	1406726	703363	2813452	1082231	-23.07
76 d4-1,4-Dichlorobe	781222	390611	1562444	529247	-32.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.63	-0.10
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

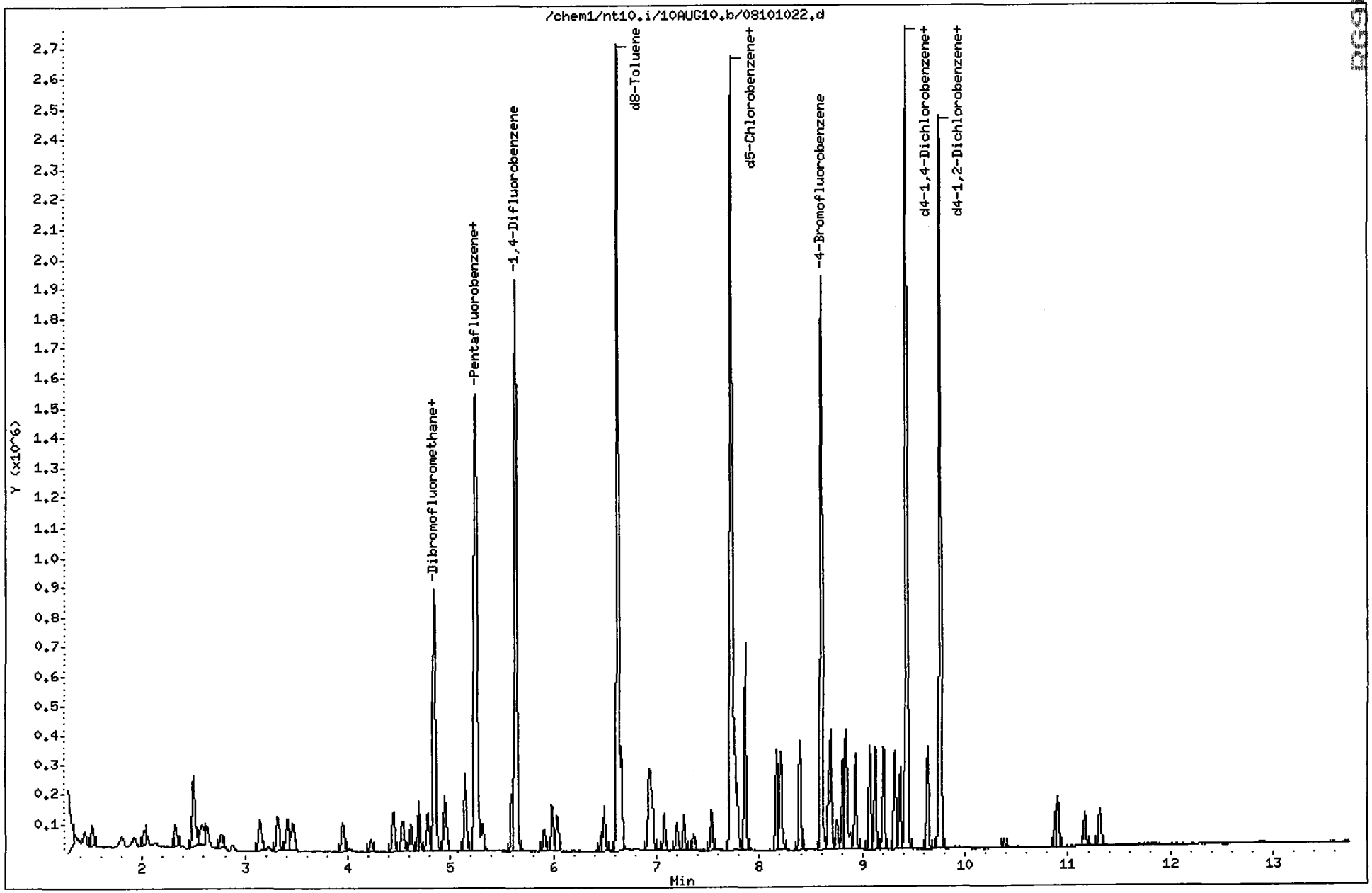
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101022.d
Date : 10-AUG-2010 18:56
Client ID: 1 ppb
Sample Info: IC01,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ 1/MS PC8/11/10



Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101023.d
Lab Smp Id: IC0.5 Client Smp ID: 0.5 ppb
Inj Date : 10-AUG-2010 19:21
Operator : PC Inst ID: nt10.i
Smp Info : IC0.5,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.299	(0.248)	24682	0.50000	0.5146
2 Chloromethane	50	1.436	1.442	(0.274)	22620	0.50000	0.4927
3 Vinyl Chloride	62	1.510	1.516	(0.288)	28003	0.50000	0.4890
4 Bromomethane	94	1.789	1.800	(0.342)	14842	0.50000	0.4890
5 Chloroethane	64	1.914	1.925	(0.365)	18269	0.50000	0.5033
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	31356	0.50000	0.4848(Q)
8 Acrolein	56	2.876	2.876	(0.549)	8622	2.50000	2.279(Q)
9 112Trichloro122Trifluoroethane	101	2.574	2.586	(0.491)	27099	0.50000	0.5186
10 Acetone	43	3.217	3.223	(0.614)	12198	2.50000	2.330(M)
11 1,1-Dichloroethene	96	2.495	2.494	(0.476)	25929	0.50000	0.5183
12 Bromoethane	108	2.768	2.768	(0.528)	19027	0.50000	0.5131
13 Iodomethane	142	2.626	2.625	(0.501)	37655	0.50000	0.5076
14 Methylene Chloride	84	3.143	3.143	(0.600)	26351	0.50000	0.5397(M)
15 Acrylonitrile	53	4.020	4.020	(0.767)	3968	0.50000	0.4866(T)
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	49210	0.50000	0.4799
17 Carbon Disulfide	76	2.500	2.494	(0.477)	90063	0.50000	0.5142

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	23384	0.50000	0.4929
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	24943	0.50000	0.4668
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	40945	0.50000	0.4938
	22 2-Butanone	43	4.959	4.959	(0.947)	22881	2.50000	2.397(T)
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	27937	0.50000	0.4987
	24 Cis-1,2-Dichloroethene	96	4.447	4.447	(0.849)	24482	0.50000	0.4865
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	670840	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	42597	0.50000	0.5000
	27 Bromochloromethane	128	4.612	4.612	(0.880)	10213	0.50000	0.4925
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	397630	10.0000	9.978
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	34032	0.50000	0.4877
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	33616	0.50000	0.4931
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	31372	0.50000	0.5073
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	436632	10.0000	9.907
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	26215	0.50000	0.4831
	34 Benzene	78	5.141	5.141	(0.912)	88823	0.50000	0.4837
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1214760	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	21352	0.50000	0.4720
	37 1,2-Dichloropropane	63	5.983	5.989	(1.062)	20098	0.50000	0.4834
	38 Bromodichloromethane	83	6.034	6.034	(1.071)	28991	0.50000	0.4834
	39 Dibromomethane	93	5.909	5.909	(1.048)	11061	0.50000	0.4875
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	8193	0.50000	0.4608
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	19650	2.50000	2.128
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	28154	0.50000	0.4283
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1419201	10.0000	9.724
	44 Toluene	92	6.660	6.660	(1.182)	50317	0.50000	0.4582
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.235)	24153	0.50000	0.4311
	46 2-Hexanone	43	7.531	7.537	(0.975)	35183	2.50000	2.485
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	13400	0.50000	0.4607
	48 1,3-Dichloropropane	76	7.264	7.269	(0.940)	24928	0.50000	0.4834
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	18517	0.50000	0.4714
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	16462	0.50000	0.4800
	51 1,2-Dibromoethane	107	7.360	7.360	(1.306)	13010	0.50000	0.4597
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1070535	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	56429	0.50000	0.4861(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	4971	0.50000	0.4909(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	17652	0.50000	0.4448
	56 m,p-xylene	106	7.861	7.861	(1.018)	70615	1.00000	0.9273
	58 o-Xylene	106	8.169	8.168	(1.057)	33963	0.50000	0.4543
	59 Styrene	104	8.208	8.208	(1.063)	55863	0.50000	0.4671
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	88764	0.50000	0.4857
	61 Bromoform	173	8.226	8.225	(0.873)	8763	0.50000	0.4887
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	17579	0.50000	0.5042
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	518495	10.0000	9.816
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	4913	0.50000	0.4827(Q)
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	4840	0.50000	0.5363(Q)
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	110471	0.50000	0.5036

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	19775	0.50000	0.4858
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	71523	0.50000	0.4655
	69 2-Chloro Toluene	91	8.806	8.812	(0.934)	73892	0.50000	0.4931
	70 4-Chloro Toluene	91	8.931	8.931	(0.947)	69286	0.50000	0.4965
	71 T-Butyl Benzene	119	9.073	9.073	(0.963)	58443	0.50000	0.4573
	72 1,2,4-Trimethylbenzene	105	9.125	9.130	(0.968)	72014	0.50000	0.4707
	73 S-Butyl Benzene	105	9.204	9.210	(0.976)	94083	0.50000	0.4875
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	74040	0.50000	0.4766
	75 1,3-Dichlorobenzene	146	9.369	9.369	(0.994)	39661	0.50000	0.4863
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	519545	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	41986	0.50000	0.4921(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	72660	0.50000	0.4643
$	79 d4-1,2-Dichlorobenzene	152	9.751	9.756	(1.034)	453744	10.0000	9.800
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	37231	0.50000	0.4938(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	2752	0.50000	0.5290(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	16872	0.50000	0.4444
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	8436	0.50000	0.5192
	84 Naphthalene	128	11.168	11.168	(1.185)	34154	0.50000	0.4532
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	13183	0.50000	0.4396

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101023.d
Lab Smp Id: IC0.5
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 0.5 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	670840	-17.16
35 1,4-Difluorobenze	1494542	747271	2989084	1214760	-18.72
52 d5-Chlorobenzene	1406726	703363	2813452	1070535	-23.90
76 d4-1,4-Dichlorobe	781222	390611	1562444	519545	-33.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

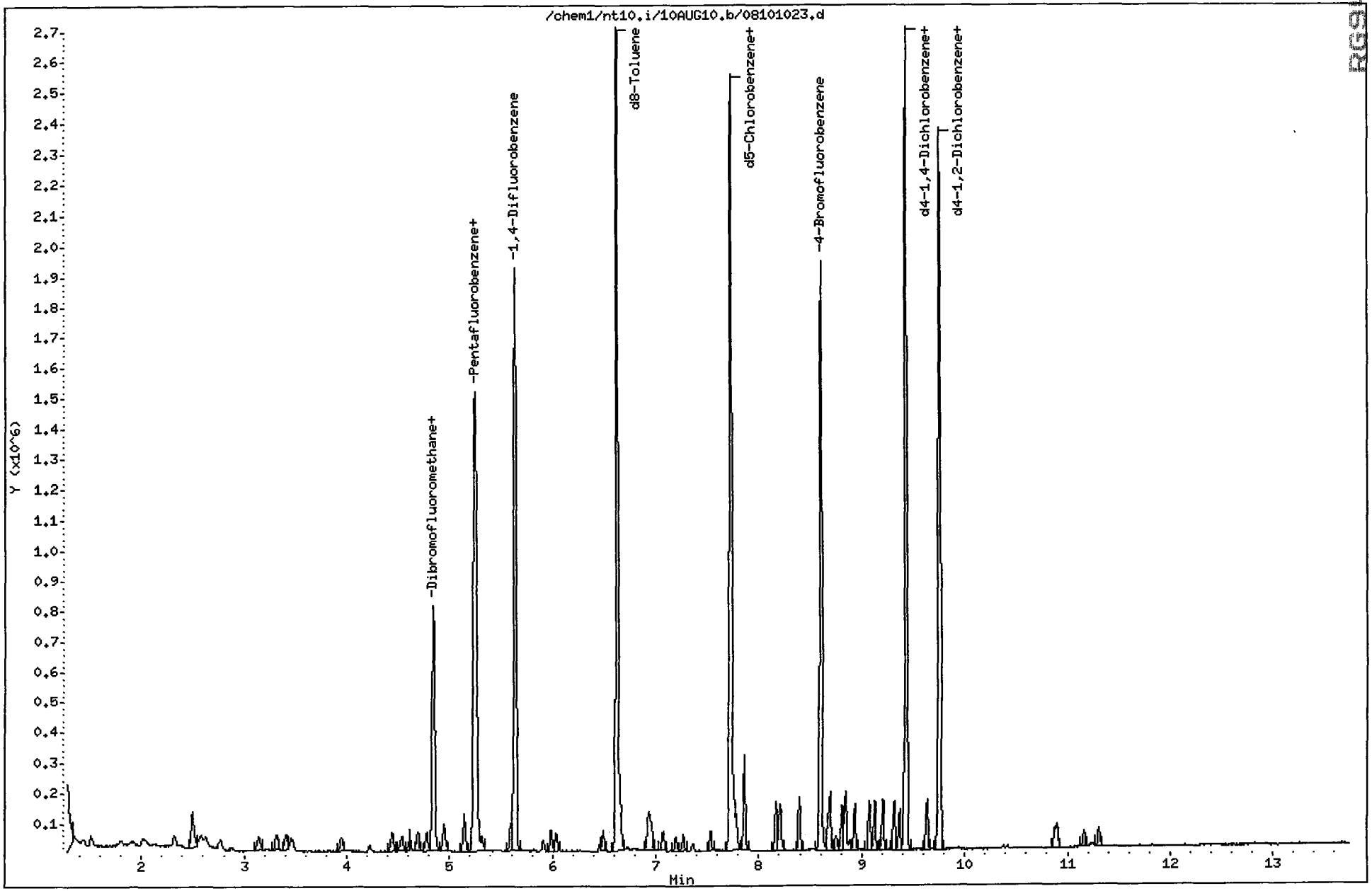
Data File: /chem1/nt10.i/10AUG10.b/08101023.d
Date : 10-AUG-2010 19:21
Client ID: 0.5 ppb
Sample Info: IC0.5,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTX~~502.2~~ V/VSPC 8/11/10

RGSI: 99169



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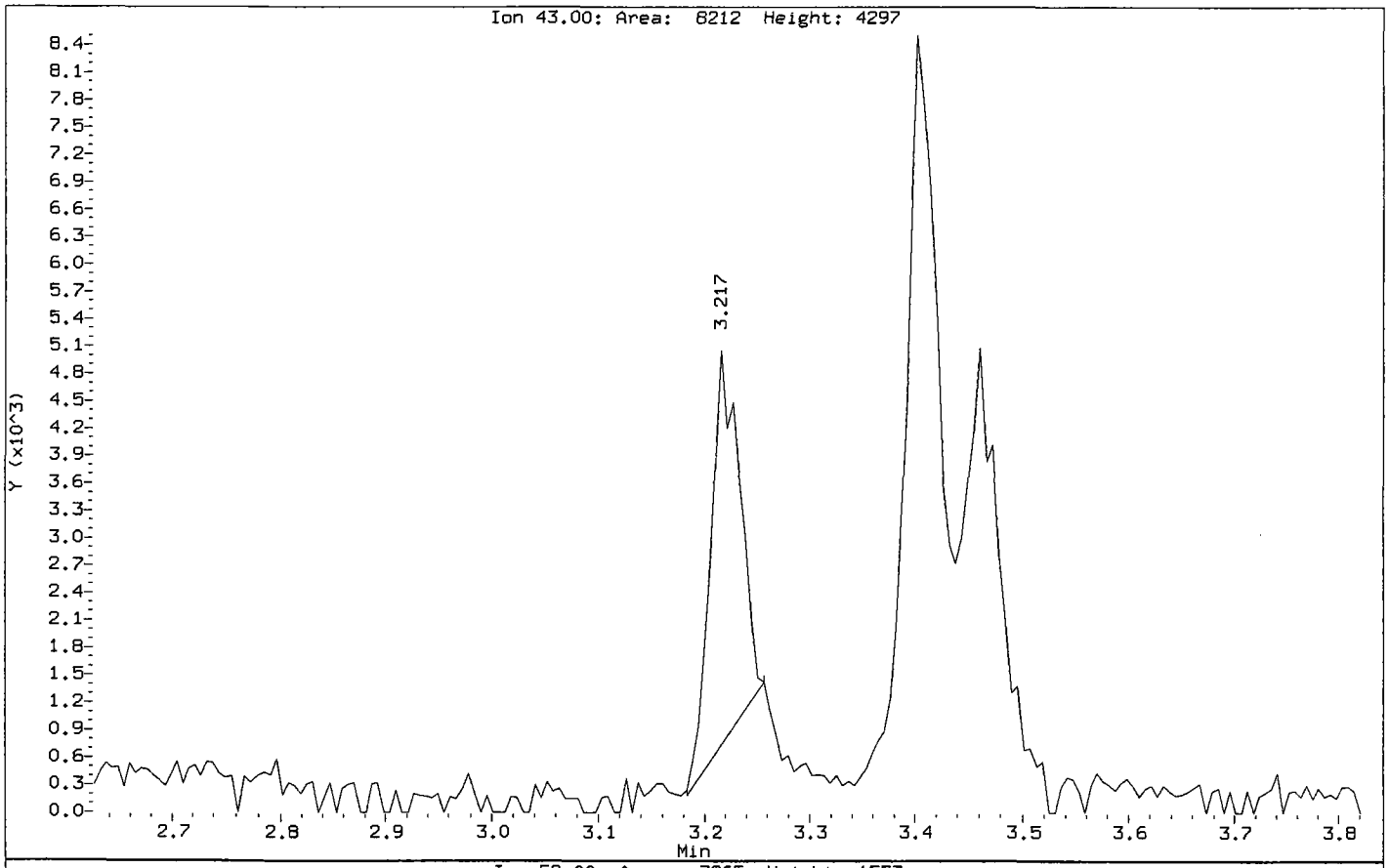
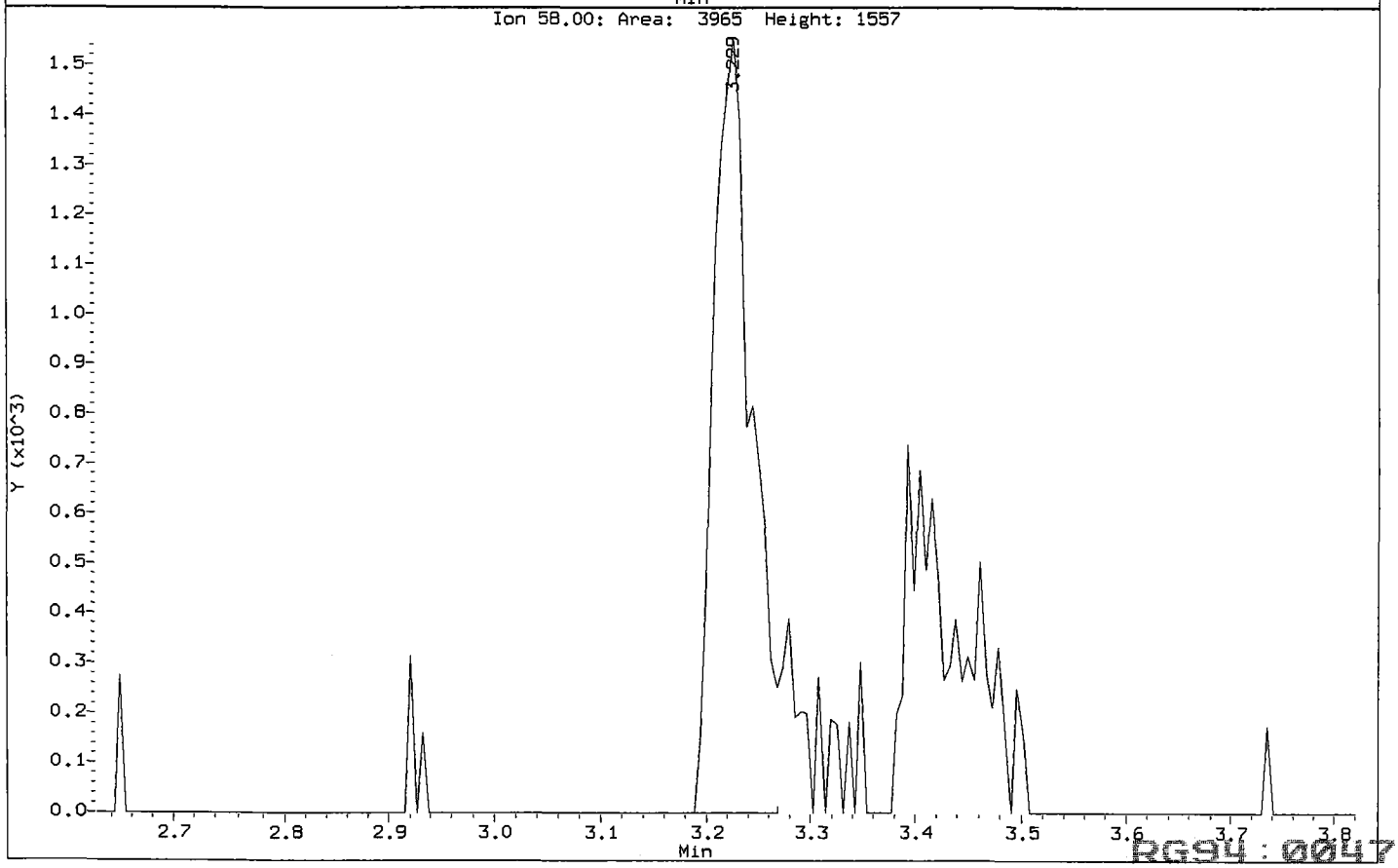
Injection Date: 10-AUG-2010 19:21
Instrument: nt10.i
Client Sample ID: 0.5 ppb

Compound: Acetone
CAS Number:





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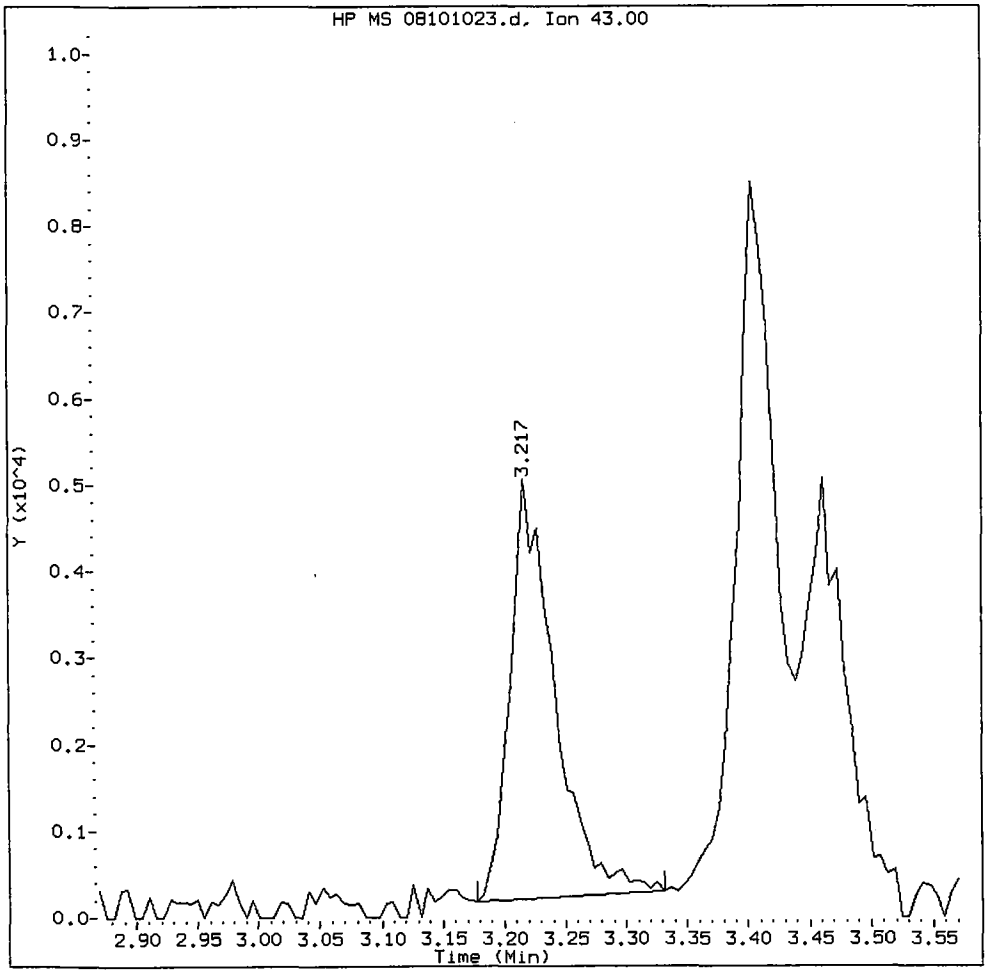
Acetone Amount: 2.33 Area: 12198



MANUAL INTEGRATION for Acetone

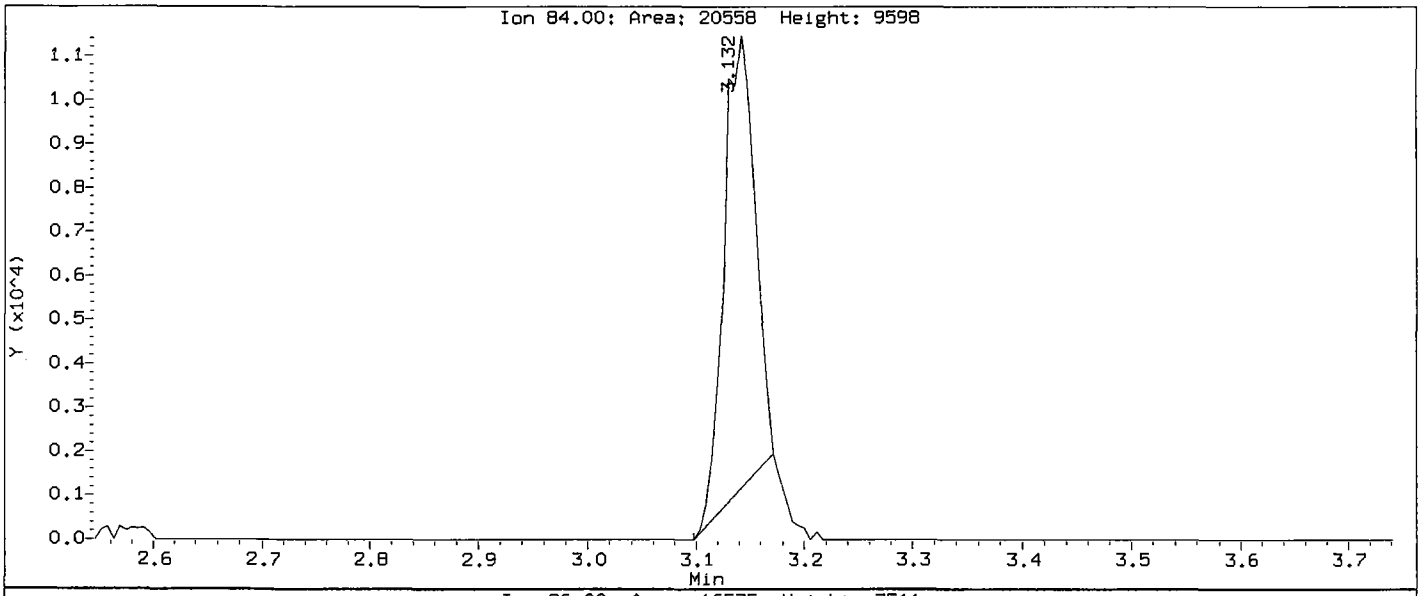
1. ~~Baseline correction~~
2. Poor chromatography
3. Peak not found
4. Totals calculation

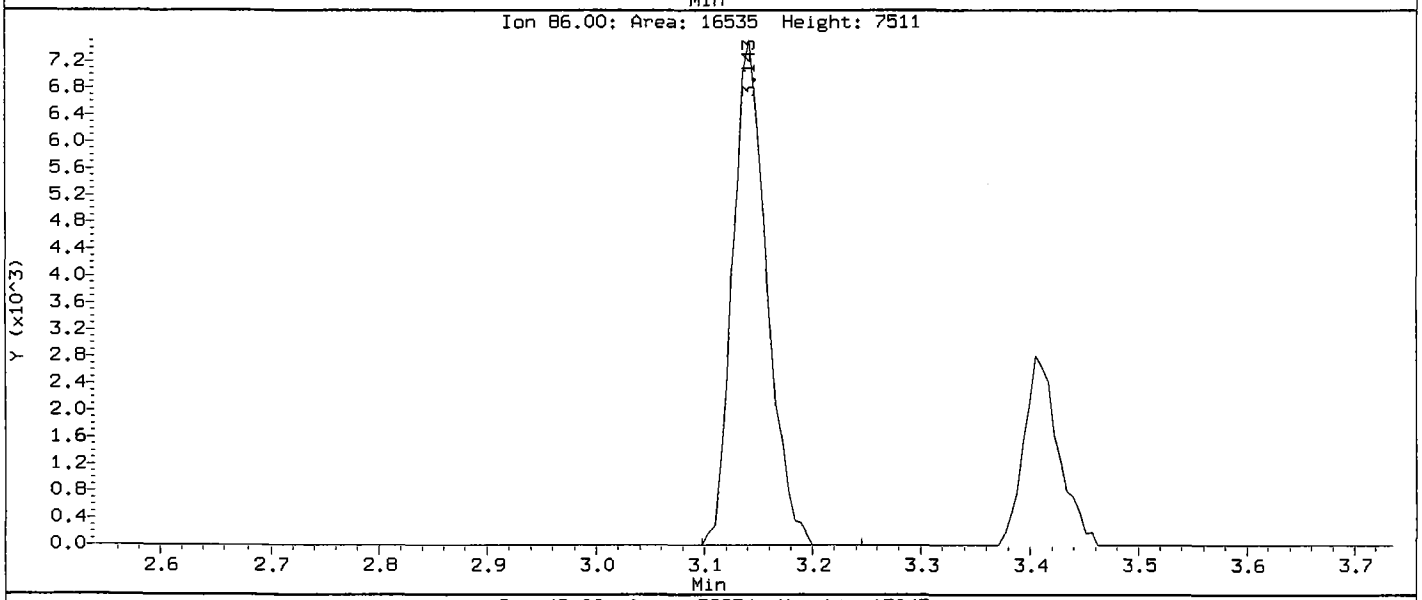
5. Other _____

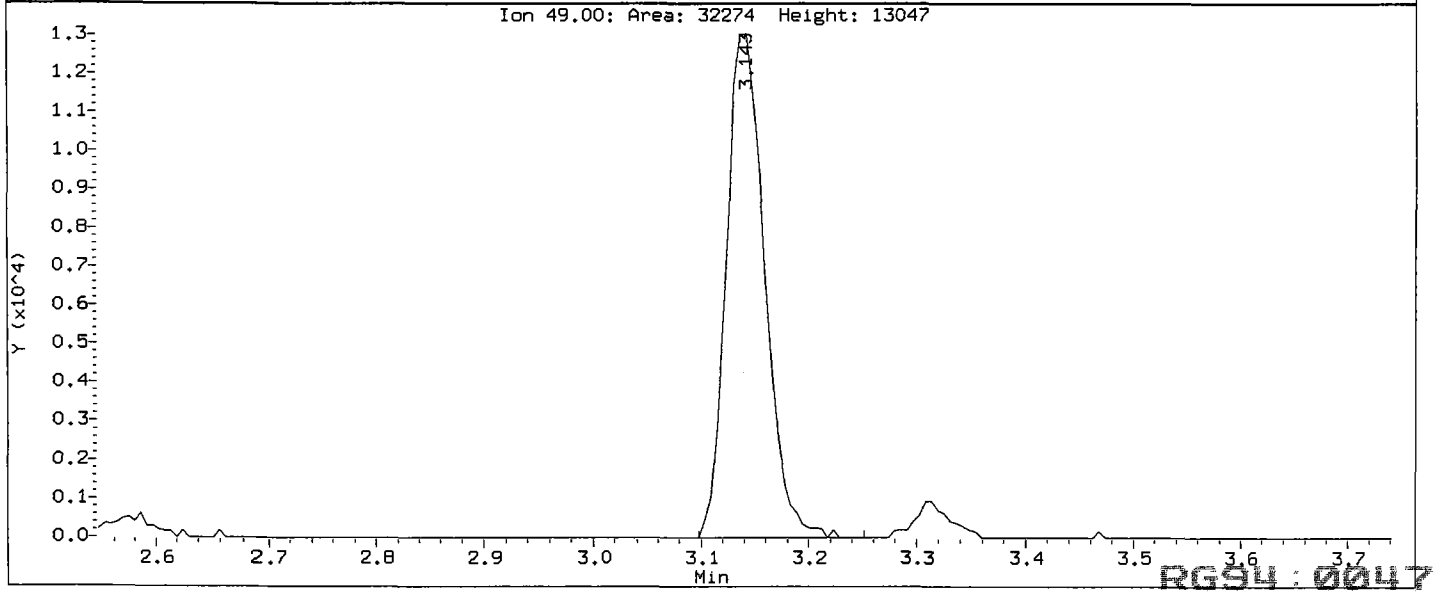
Analyst: KL Date: 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101023.d
Injection Date: 10-AUG-2010 19:21
Instrument: nt10.i
Client Sample ID: 0.5 ppb

Compound: Methylene Chloride
CAS Number:

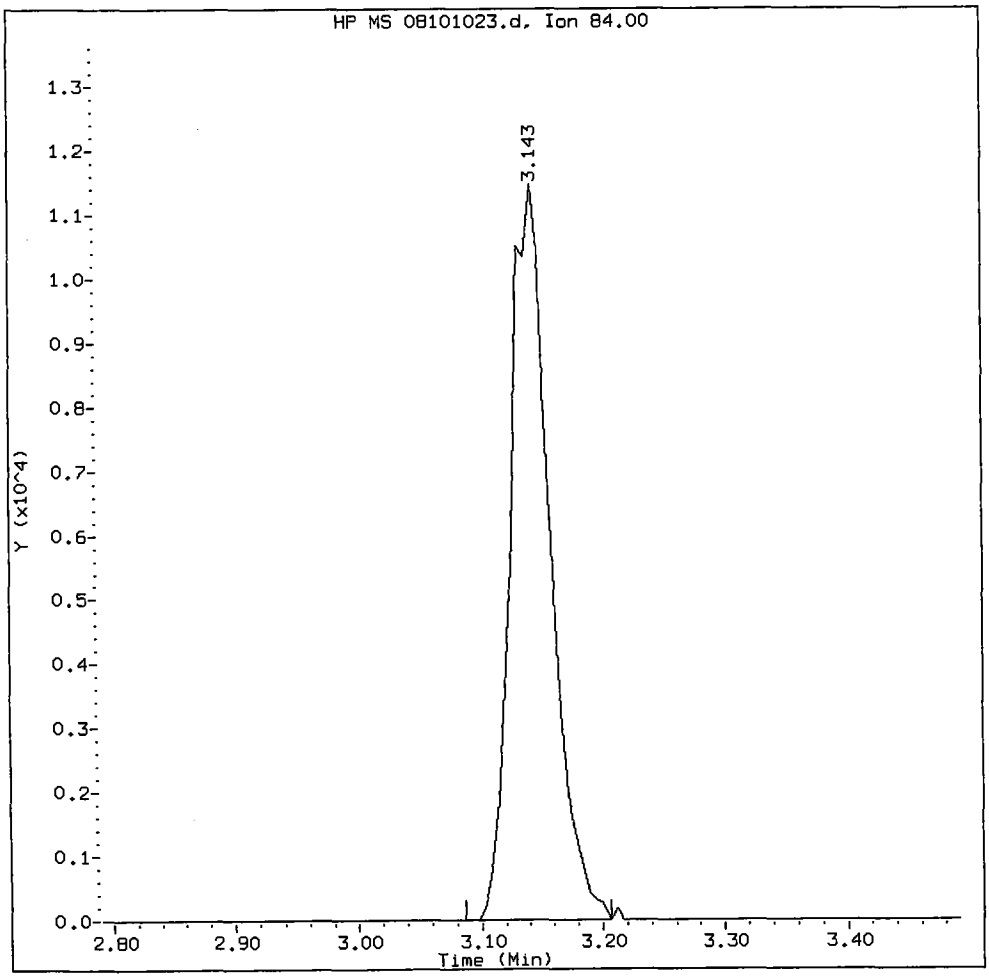






IC0.5, /chem1/nt10.i/10AUG10.b/08101023.d

Methylene Chloride Amount: 0.54 Area: 26351



MANUAL INTEGRATION for Methylene Chloride

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: RL Date: 8/11/10

PG 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101024.d
Lab Smp Id: IC0.2 Client Smp ID: 0.2 ppb
Inj Date : 10-AUG-2010 19:47
Operator : PC Inst ID: nt10.i
Smp Info : IC0.2,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.317	1.299	(0.251)	10065	0.20000	0.2119
2 Chloromethane	50	1.436	1.442	(0.274)	10510	0.20000	0.2312
3 Vinyl Chloride	62	1.510	1.516	(0.288)	11928	0.20000	0.2103
4 Bromomethane	94	1.789	1.800	(0.342)	6683	0.20000	0.2223
5 Chloroethane	64	1.920	1.925	(0.367)	7998	0.20000	0.2225
6 Trichlorofluoromethane	101	2.022	2.011	(0.386)	11902	0.20000	0.1858
8 Acrolein	56	2.870	2.876	(0.548)	4118	1.00000	1.099
9 112Trichloro122Trifluoroethane	101	2.580	2.586	(0.493)	11349	0.20000	0.2193
10 Acetone	43	3.212	3.223	(0.613)	6497	1.00000	1.253 (M)
11 1,1-Dichloroethene	96	2.500	2.494	(0.477)	10663	0.20000	0.2152
12 Bromoethane	108	2.762	2.768	(0.527)	7904	0.20000	0.2153
13 Iodomethane	142	2.626	2.625	(0.501)	14766	0.20000	0.2010
14 Methylene Chloride	84	3.149	3.143	(0.601)	12761	0.20000	0.2639
15 Acrylonitrile	53	4.026	4.020	(0.769)	1986	0.20000	0.2459 (TM)
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	20251	0.20000	0.1994
17 Carbon Disulfide	76	2.500	2.494	(0.477)	36121	0.20000	0.2083

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.308	3.314	(0.632)	8731	0.20000	0.1858 (M)
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	11453	0.20000	0.2164
	21 1,1-Dichloroethane	63	3.952	3.946	(0.754)	16716	0.20000	0.2036
	22 2-Butanone	43	4.959	4.959	(0.947)	10836	1.00000	1.146
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	10990	0.20000	0.1981
	24 Cis-1,2-Dichloroethene	96	4.441	4.447	(0.848)	10629	0.20000	0.2133
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	664326	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	17404	0.20000	0.2063
	27 Bromochloromethane	128	4.606	4.612	(0.879)	4182	0.20000	0.2036 (M)
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	392570	10.0000	9.948
	29 1,1,1-Trichloroethane	97	4.845	4.839	(0.925)	14140	0.20000	0.2046
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	13871	0.20000	0.2049
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	12468	0.20000	0.2031
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	438891	10.0000	10.055
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	11667	0.20000	0.2165
	34 Benzene	78	5.141	5.141	(0.912)	36371	0.20000	0.1995
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1206010	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	9042	0.20000	0.2013
	37 1,2-Dichloropropane	63	5.983	5.989	(1.062)	8416	0.20000	0.2039
	38 Bromodichloromethane	83	6.034	6.034	(1.071)	12295	0.20000	0.2065
	39 Dibromomethane	93	5.909	5.909	(1.048)	4457	0.20000	0.1979
	40 2-Chloroethyl Vinyl Ether	63	6.467	6.461	(1.147)	3521	0.20000	0.1995
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	8462	1.00000	0.9229
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	13100	0.20000	0.2007
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1425563	10.0000	9.838
	44 Toluene	92	6.660	6.660	(1.182)	21207	0.20000	0.1945
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.235)	11025	0.20000	0.1982
	46 2-Hexanone	43	7.537	7.537	(0.976)	15387	1.00000	1.080
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	5557	0.20000	0.1925
	48 1,3-Dichloropropane	76	7.264	7.269	(0.940)	11126	0.20000	0.2143
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	8096	0.20000	0.2047
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	7042	0.20000	0.2040
	51 1,2-Dibromoethane	107	7.360	7.360	(1.306)	5702	0.20000	0.2029
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1077737	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	23430	0.20000	0.2005
	54 Ethyl Benzene	105	7.753	7.759	(1.004)	2066	0.20000	0.2027
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	8250	0.20000	0.2065
	56 m,p-xylene	106	7.861	7.861	(1.018)	28831	0.40000	0.3761
	58 o-Xylene	106	8.169	8.168	(1.057)	14635	0.20000	0.1945
	59 Styrene	104	8.208	8.208	(1.063)	24235	0.20000	0.2013
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	38128	0.20000	0.1958
	61 Bromoform	173	8.231	8.225	(0.873)	3706	0.20000	0.1939
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	7972	0.20000	0.2146
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	525382	10.0000	9.880
	64 1,2,3-Trichloropropane	110	8.846	8.851	(0.938)	2234	0.20000	0.2060
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	1969	0.20000	0.2047
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	47064	0.20000	0.2013

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	8645	0.20000	0.1993
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	31986	0.20000	0.1954
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	31948	0.20000	0.2001
	70 4-Chloro Toluene	91	8.931	8.931	(0.947)	28438	0.20000	0.1912
	71 T-Butyl Benzene	119	9.079	9.073	(0.963)	26186	0.20000	0.1923
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	31898	0.20000	0.1957
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	40565	0.20000	0.1973
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	31963	0.20000	0.1931
	75 1,3-Dichlorobenzene	146	9.369	9.369	(0.994)	17259	0.20000	0.1986
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	553620	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	19143	0.20000	0.2105
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	34421	0.20000	0.2064
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	501640	10.0000	10.167
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	16611	0.20000	0.2068
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	1619	0.20000	0.2921
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	8258	0.20000	0.2041
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	4344	0.20000	0.2509
	84 Naphthalene	128	11.168	11.168	(1.185)	16359	0.20000	0.2037
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	5993	0.20000	0.1875

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101024.d
Lab Smp Id: IC0.2
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: 0.2 ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	664326	-17.97
35 1,4-Difluorobenze	1494542	747271	2989084	1206010	-19.31
52 d5-Chlorobenzene	1406726	703363	2813452	1077737	-23.39
76 d4-1,4-Dichlorobe	781222	390611	1562444	553620	-29.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/10AUG10.b/08101024.d

Date : 10-AUG-2010 19:47

Client ID: 0.2 ppb

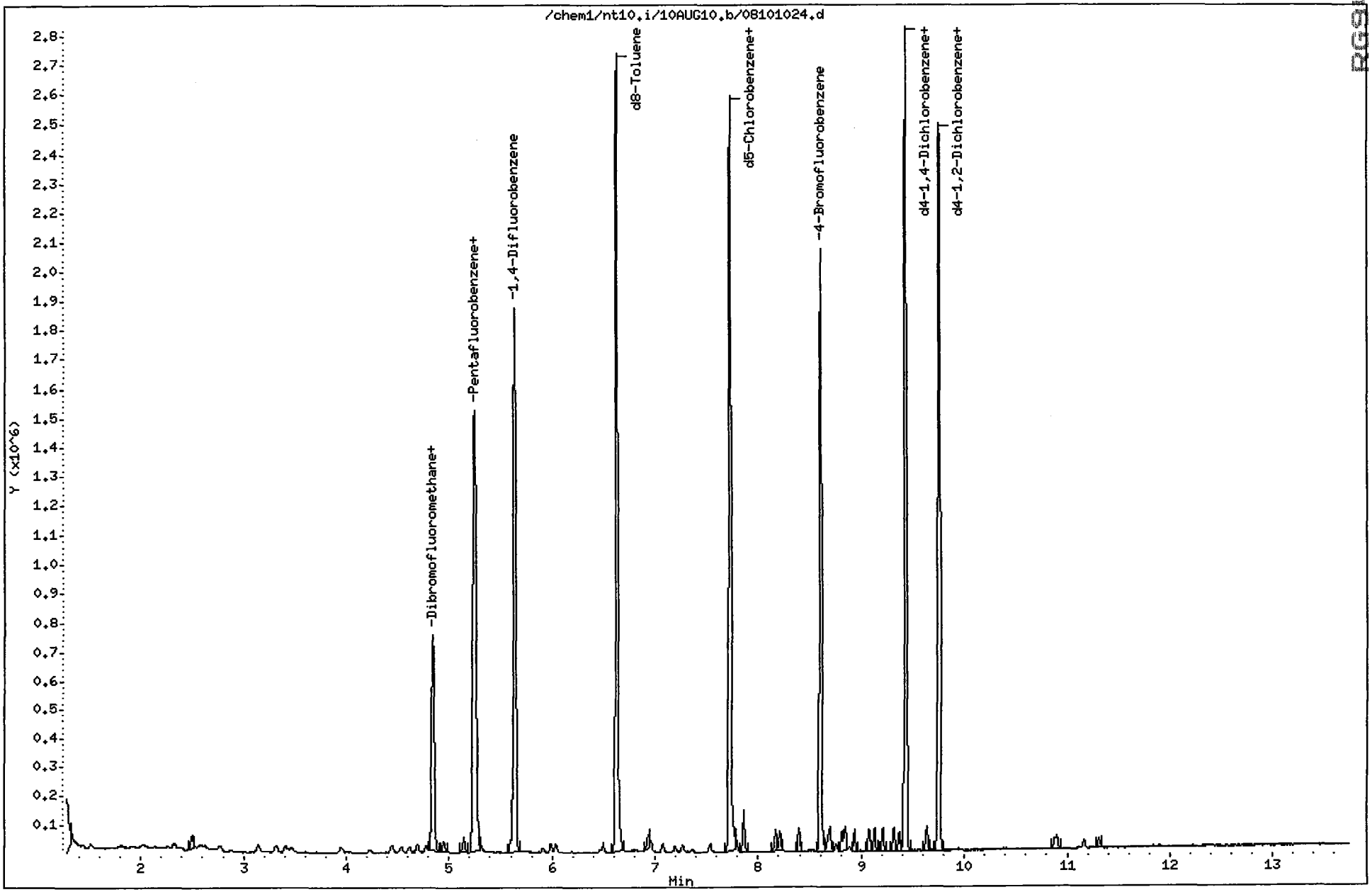
Sample Info: IC0.2,10,10,0,,

Column phase: RTX~~502.2~~VMS PL 8/11/10

Instrument: nt10.i

Operator: PC

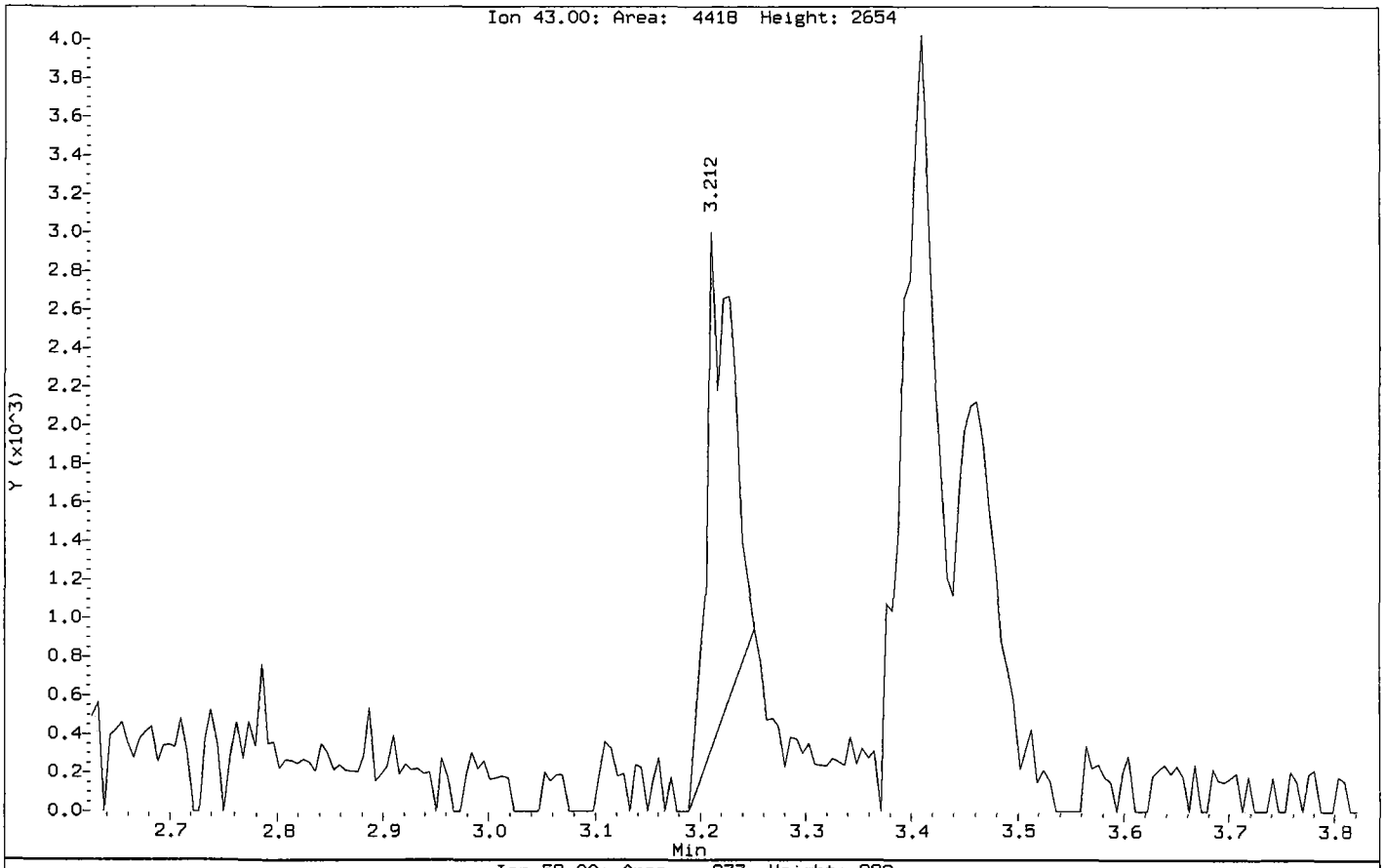
Column diameter: 0.18

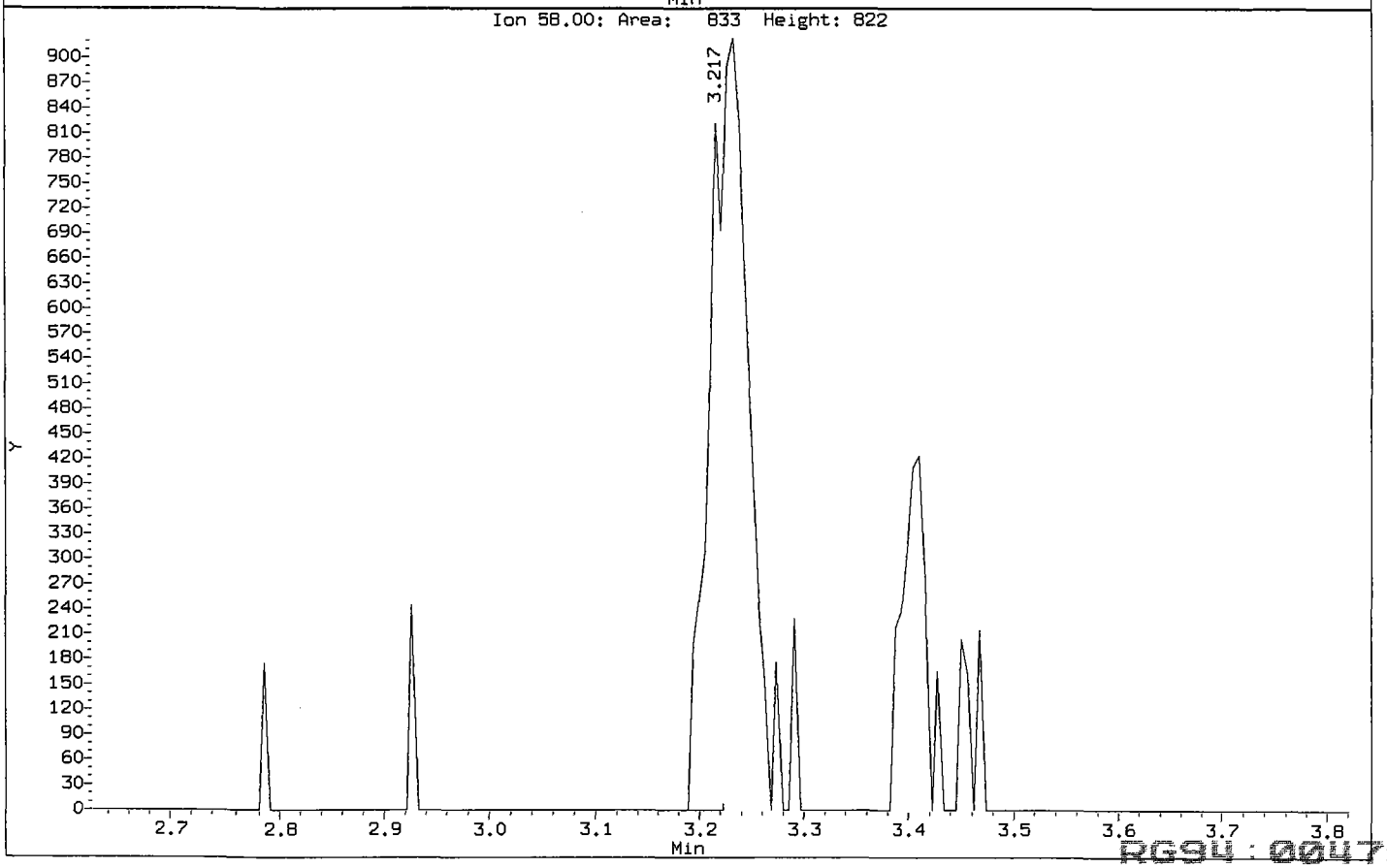


RG 8/10/10

Data File: /chem1/nt10.i/10AUG10.b/08101024.d
Injection Date: 10-AUG-2010 19:47
Instrument: nt10.i
Client Sample ID: 0.2 ppb

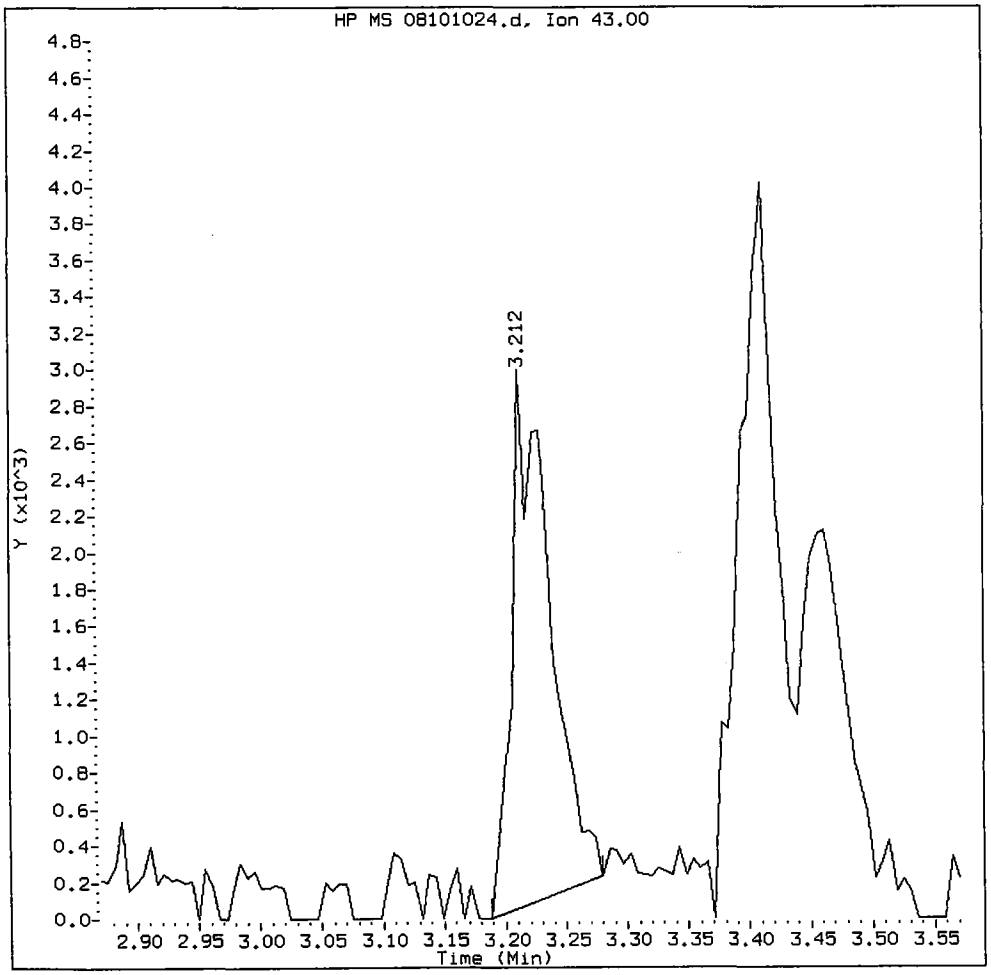
Compound: Acetone
CAS Number:





IC0.2, /chem1/nt10.i/10AUG10.b/08101024.d

Acetone Amount: 1.25 Area: 6497



MANUAL INTEGRATION for Acetone

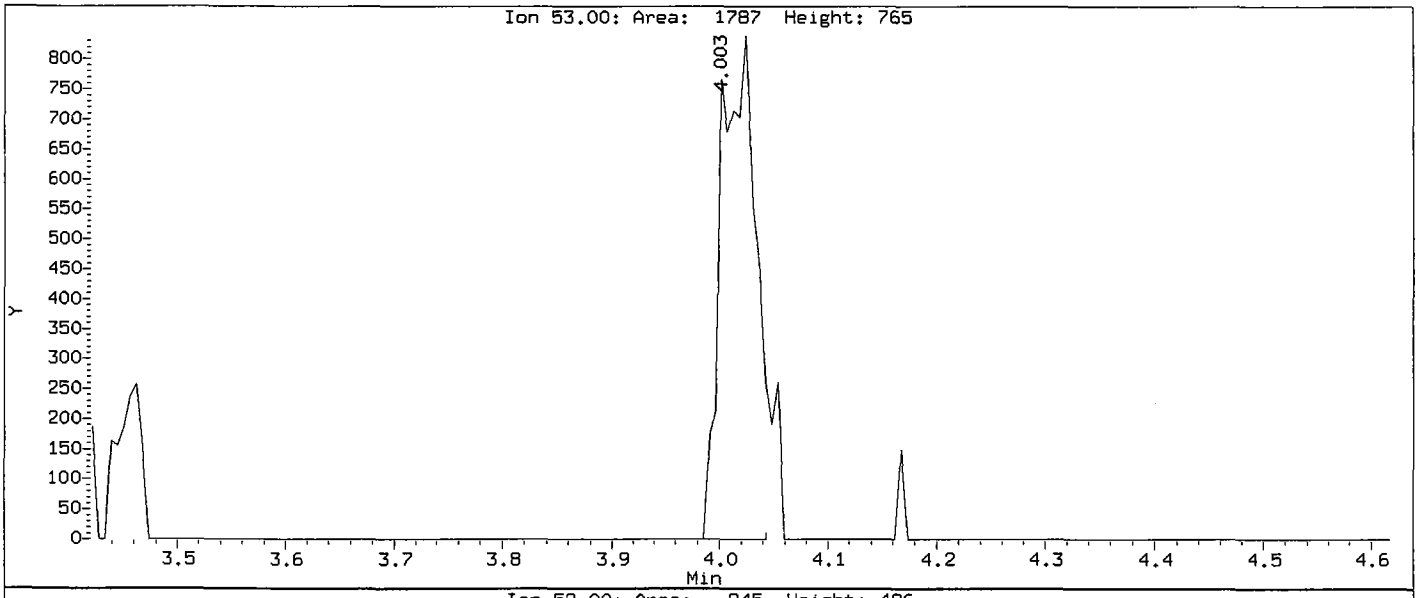
1. Baseline correction
2. Poor chromatography
3. ~~Peak not found~~
4. Totals calculation

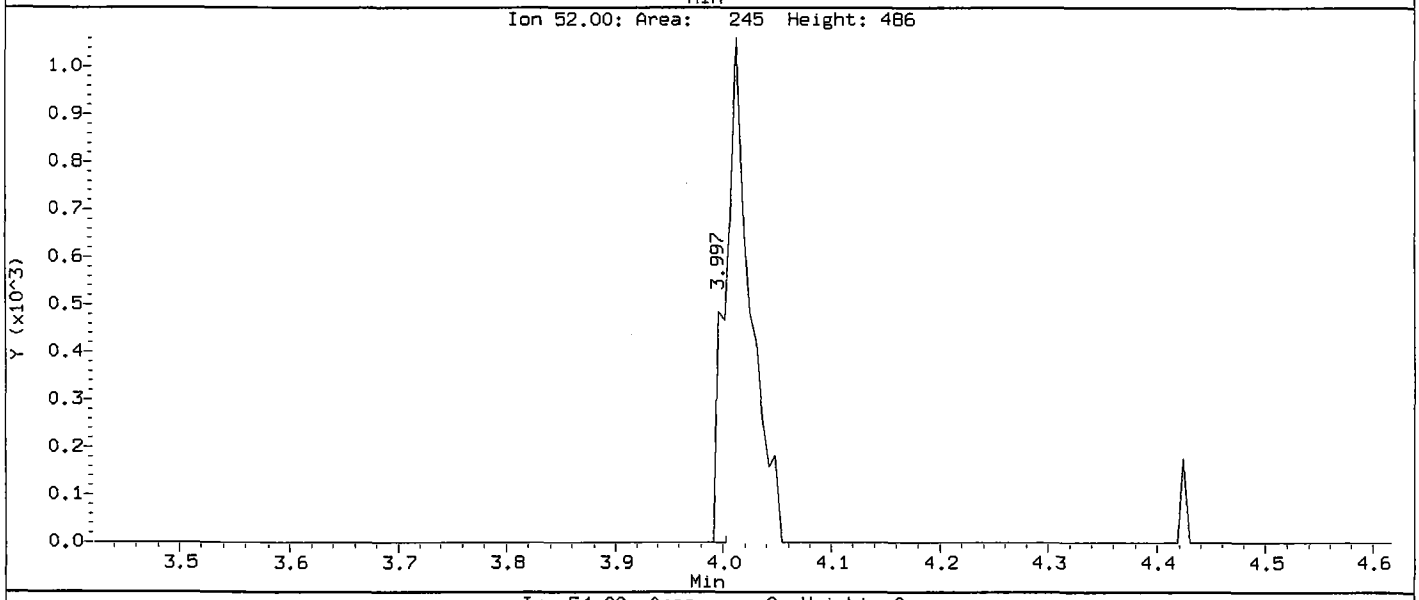
5. Other _____

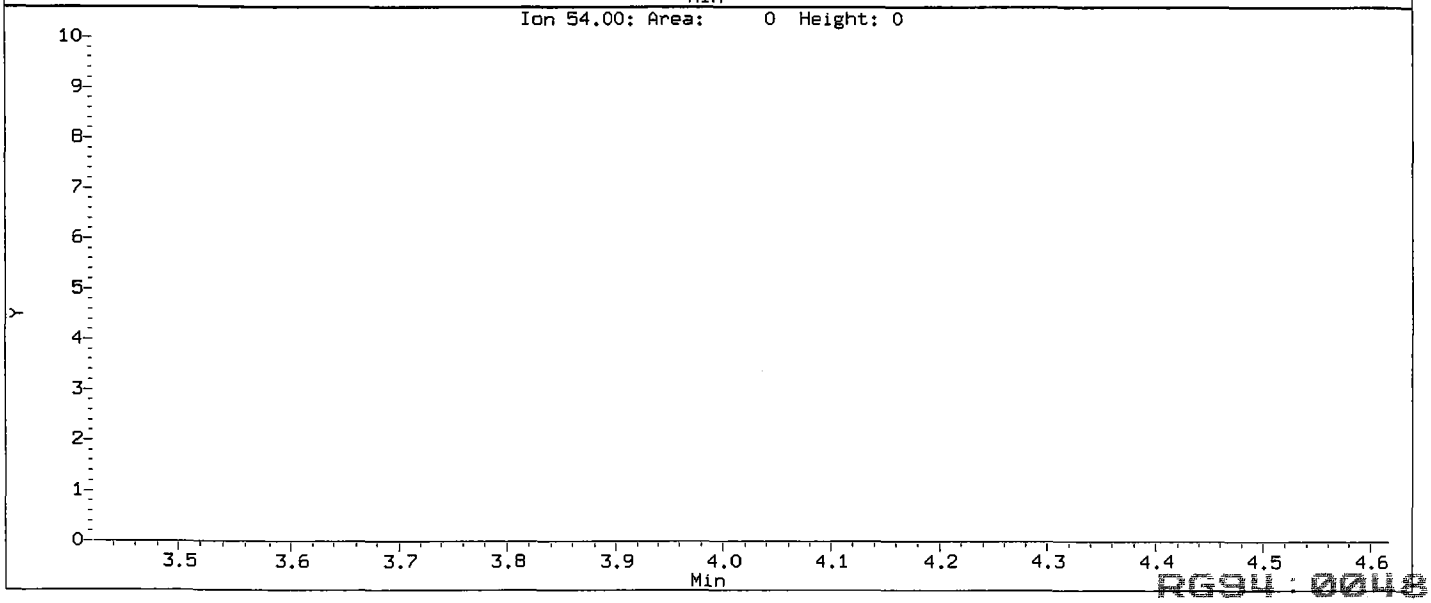
Analyst: PL Date: 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101024.d
Injection Date: 10-AUG-2010 19:47
Instrument: nt10.i
Client Sample ID: 0.2 ppb

Compound: Acrylonitrile
CAS Number:

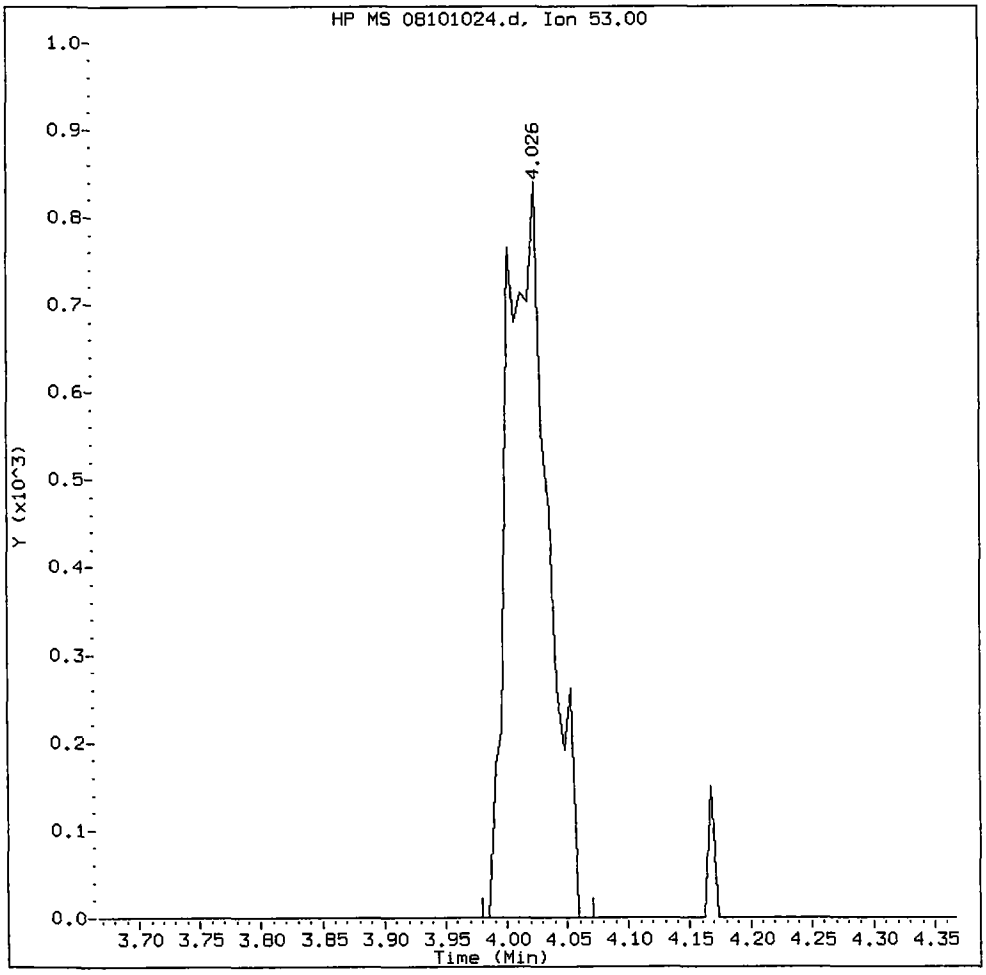






IC0.2, /chem1/nt10.i/10AUG10.b/08101024.d

Acrylonitrile Amount: 0.25 Area: 1986



MANUAL INTEGRATION for Acrylonitrile

1. ~~Baseline correction~~
2. Poor chromatography
3. ~~Peak not found~~
4. Totals calculation

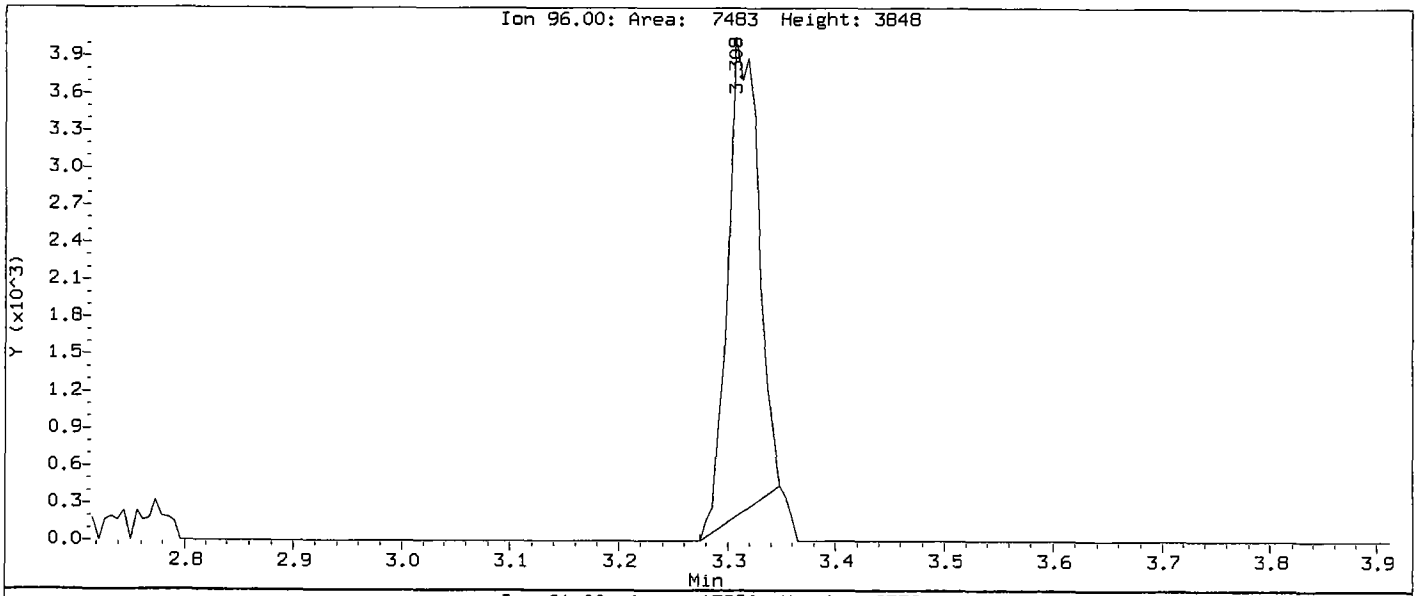
5. Other _____

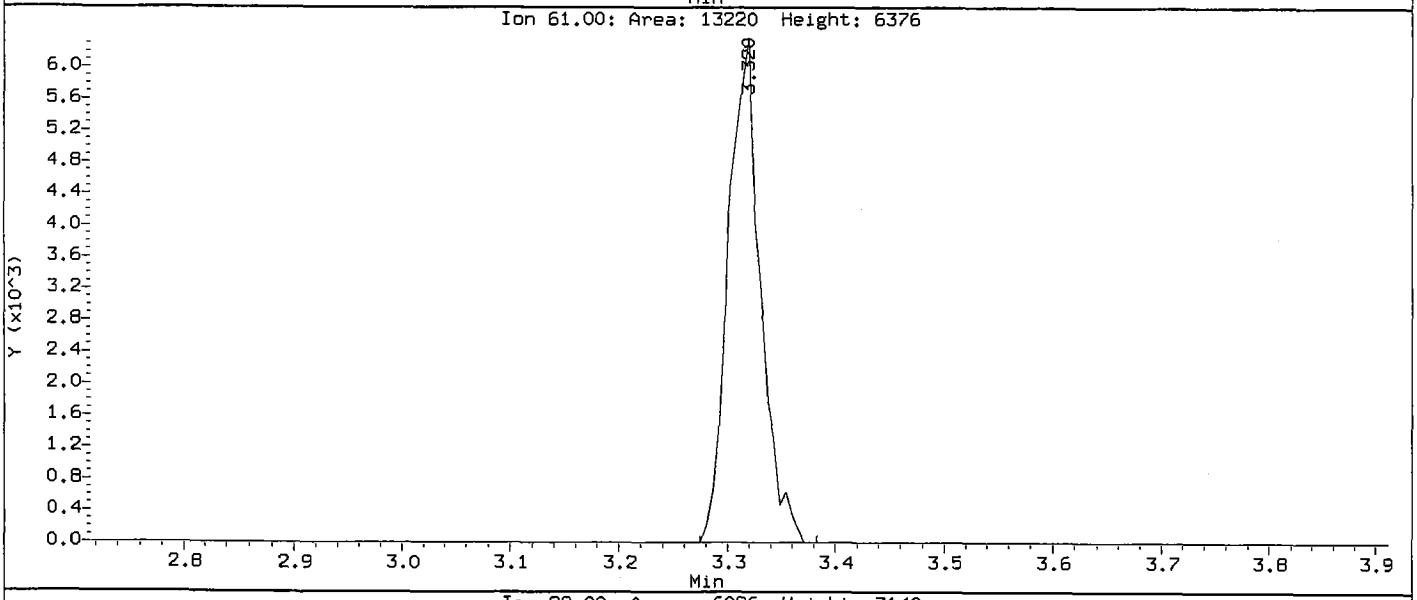
Analyst: PC Date: 8/11/10

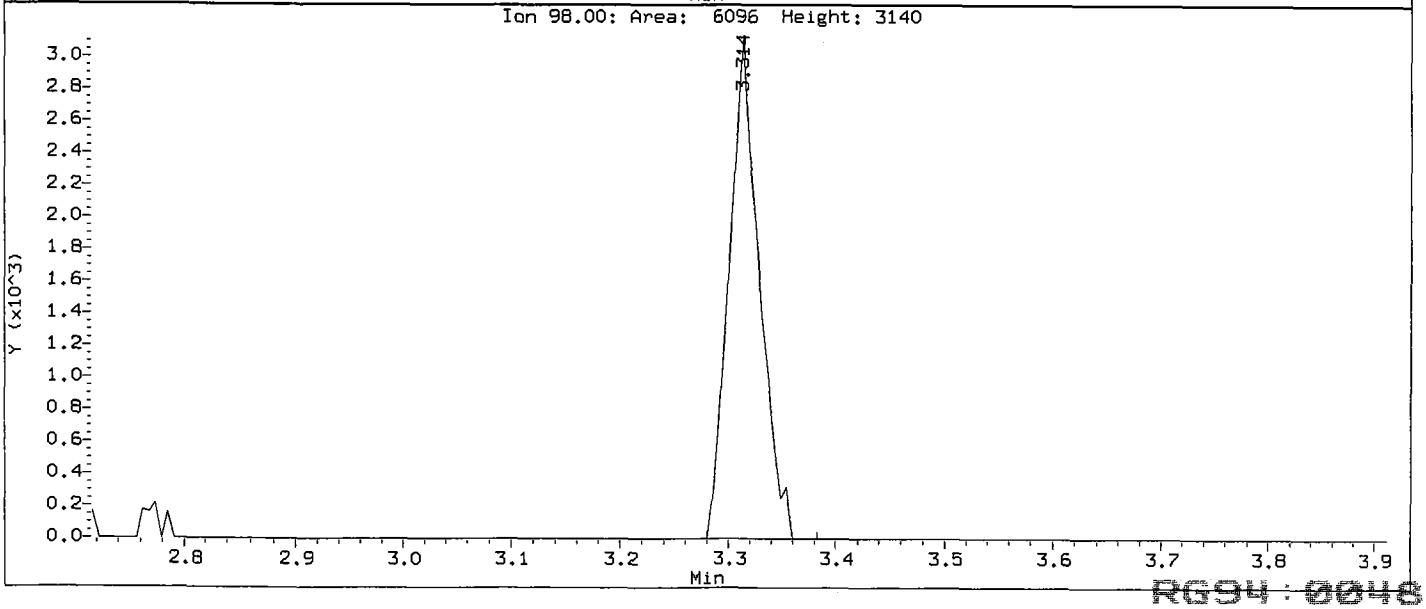
Data File: /chem1/nt10.i/10AUG10.b/08101024.d
Injection Date: 10-AUG-2010 19:47
Instrument: nt10.i
Client Sample ID: 0.2 ppb

Compound: Trans-1,2-Dichloroethene
CAS Number:

RG 8/11/10

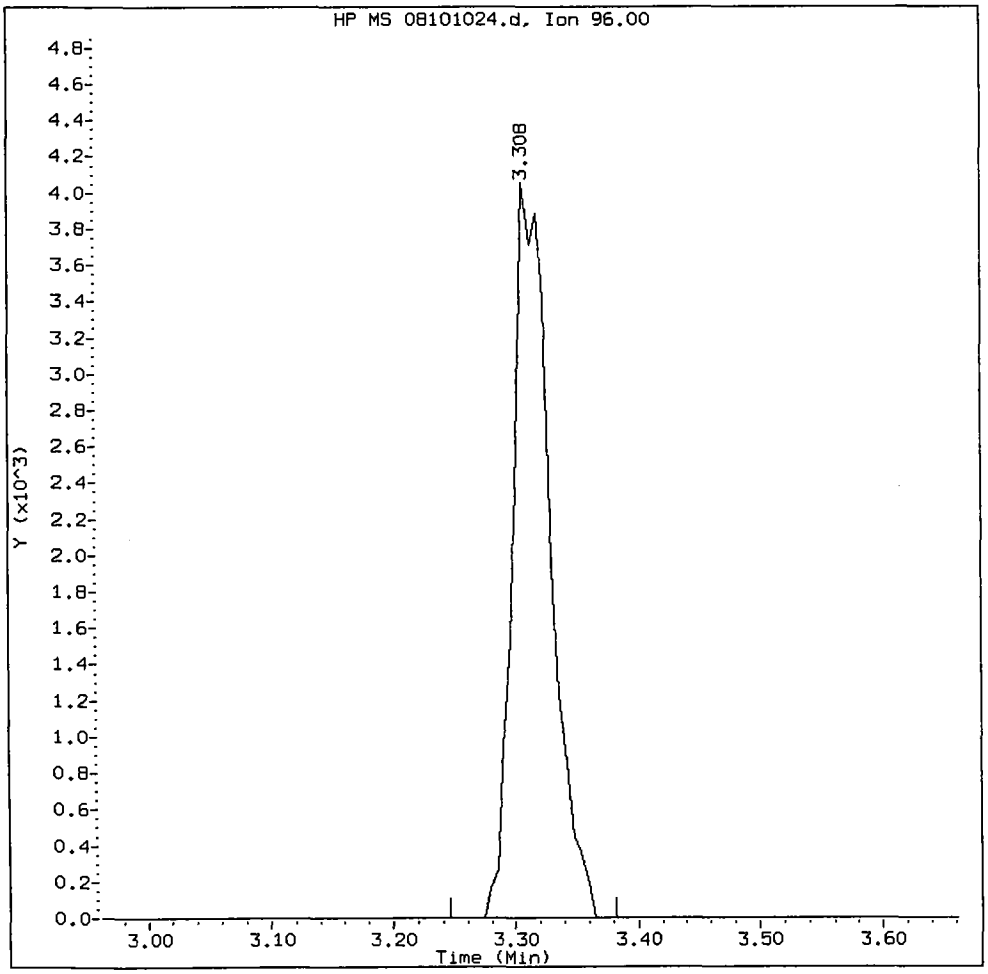






IC0.2, /chem1/nt10.i/10AUG10.b/08101024.d

Trans-1,2-Dichloroethene Amount: 0.19 Area: 8731



MANUAL INTEGRATION for Trans-1,2-Dichloroethene

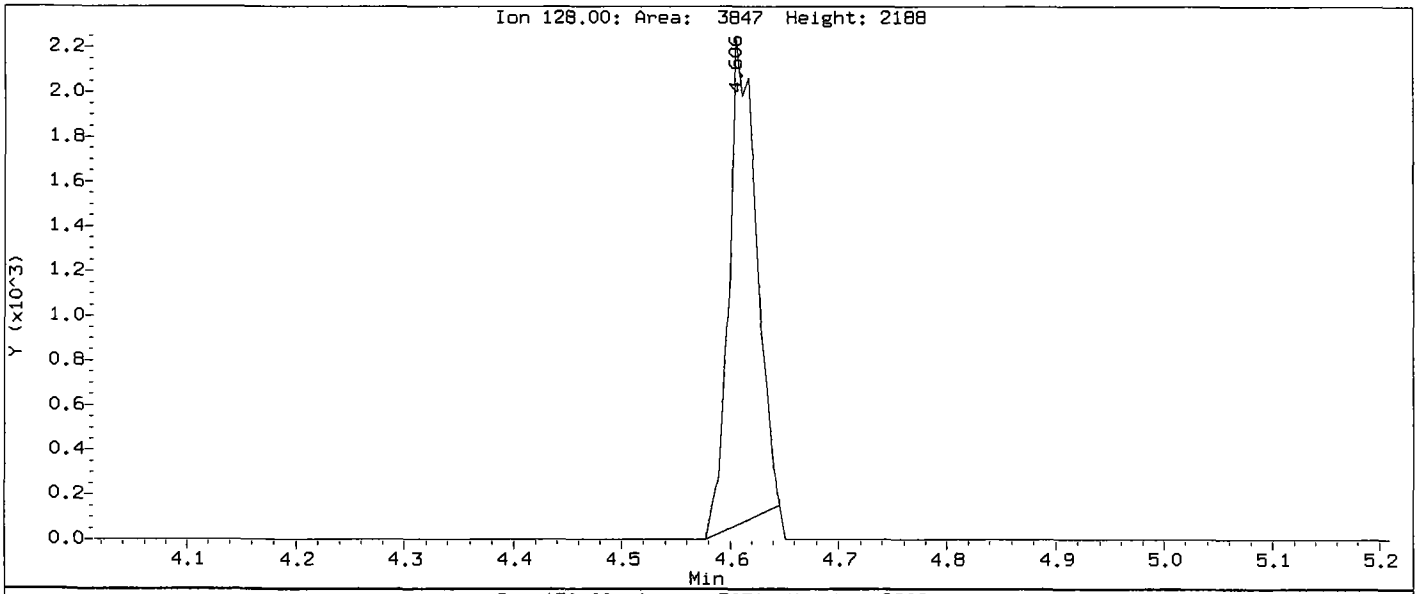
1. Baseline correction
2. Poor chromatography
3. ~~Peak not found~~
4. Totals calculation

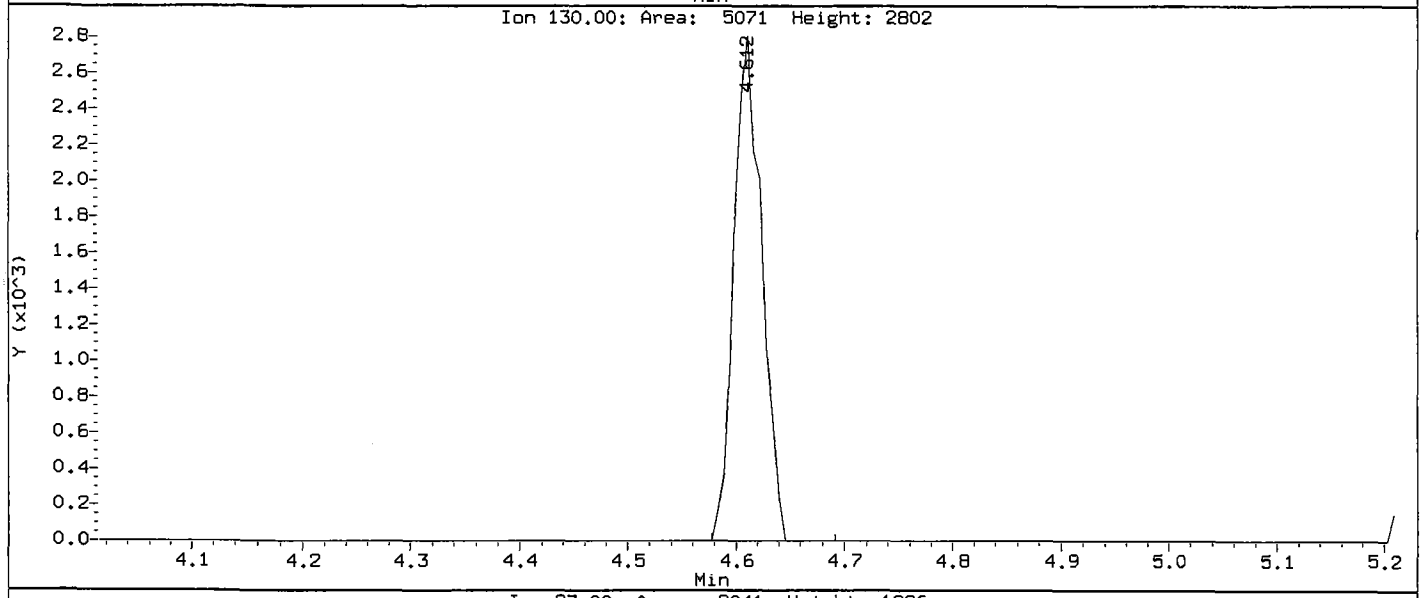
5. Other _____

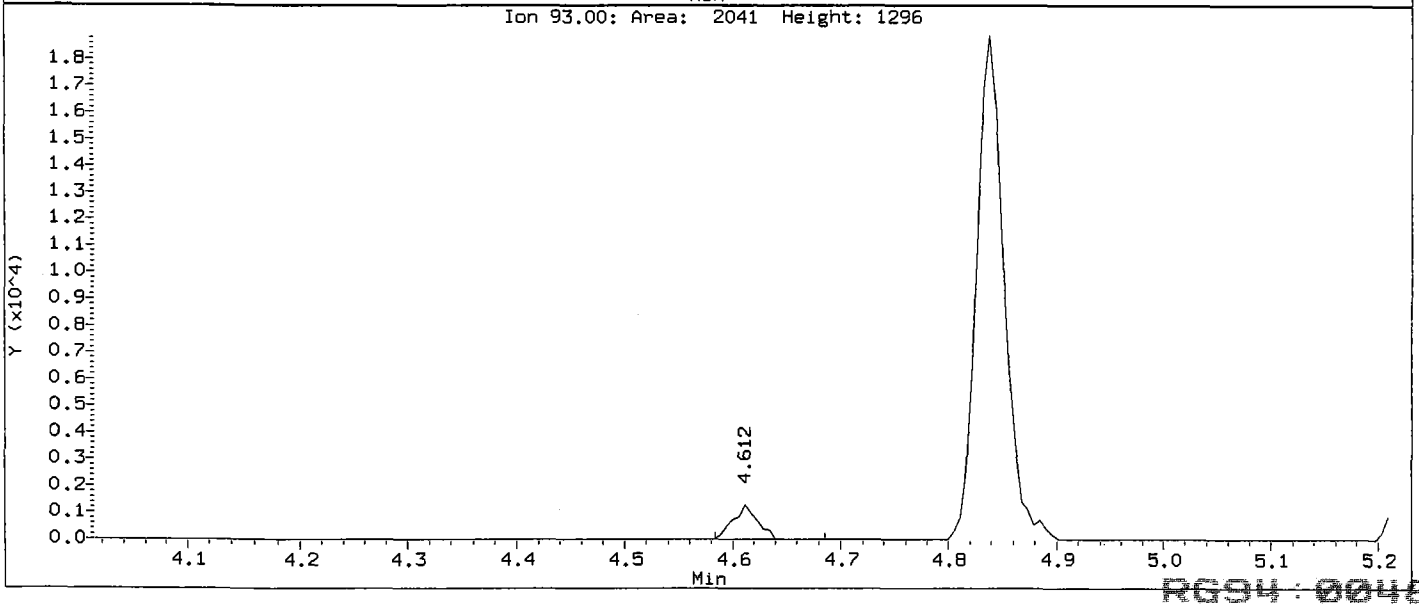
Analyst: PL Date: 8/11/10

Data File: /chem1/nt10.i/10AUG10.b/08101024.d
Injection Date: 10-AUG-2010 19:47
Instrument: nt10.i
Client Sample ID: 0.2 ppb

Compound: Bromochloromethane
CAS Number:

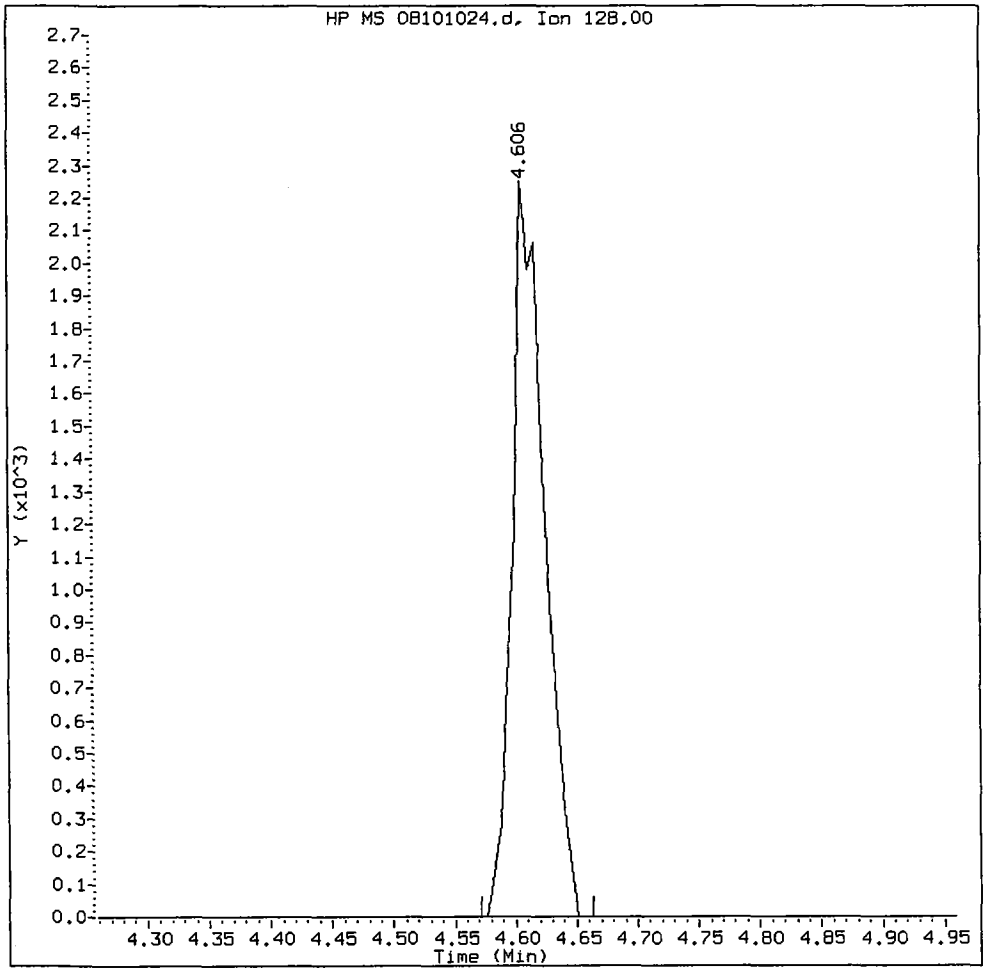






IC0.2, /chem1/nt10.i/10AUG10.b/08101024.d

Bromochloromethane Amount: 0.20 Area: 4182



MANUAL INTEGRATION for Bromochloromethane

1. ~~Baseline correction~~
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: pl Date: 8/11/10

PC 8/11/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/10AUG10.b/08101025.d
Lab Smp Id: ICV10 Client Smp ID: ICV10
Inj Date : 10-AUG-2010 20:12
Operator : PC Inst ID: nt10.i
Smp Info : ICV10,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/10AUG10.b/82600806L.m
Meth Date : 11-Aug-2010 11:23 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.299	(0.248)	428086	8.28753	8.288
2 Chloromethane	50	1.436	1.442	(0.274)	407994	8.25140	8.251
3 Vinyl Chloride	62	1.510	1.516	(0.288)	562869	9.12537	9.125
4 Bromomethane	94	1.800	1.800	(0.344)	319933	9.78647	9.786
5 Chloroethane	64	1.920	1.925	(0.367)	362096	9.26288	9.263
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	630163	9.04674	9.047(M)
8 Acrolein	56	2.870	2.876	(0.548)	37541	9.21284	9.213(Q)
9 112Trichloro122Trifluoroethane	101	2.586	2.586	(0.494)	487140	8.65609	8.656
10 Acetone	43	3.223	3.223	(0.615)	55128	9.77756	9.778
11 1,1-Dichloroethene	96	2.489	2.494	(0.475)	516236	9.58050	9.581
12 Bromoethane	108	2.762	2.768	(0.527)	348638	8.73006	8.730
13 Iodomethane	142	2.626	2.625	(0.501)	642447	8.04152	8.042
14 Methylene Chloride	84	3.138	3.143	(0.599)	491624	9.34957	9.350
15 Acrylonitrile	53	4.014	4.020	(0.766)	82813	9.42897	9.429
16 Methyl tert butyl ether	73	3.456	3.462	(0.660)	949586	8.59837	8.598
17 Carbon Disulfide	76	2.495	2.494	(0.476)	1402969	7.43782	7.438(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	502559	9.83511	9.835
	20 Vinyl Acetate	43	4.219	4.225	(0.806)	420003	7.29771	7.298(R)
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	867307	9.71198	9.712
	22 2-Butanone	43	4.959	4.959	(0.947)	96096	9.34854	9.349(Q)
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	559071	9.26563	9.266
	24 Cis-1,2-Dichloroethene	96	4.441	4.447	(0.848)	532104	9.81853	9.819
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	722497	10.0000	
	26 Chloroform	83	4.686	4.691	(0.895)	898536	9.79310	9.793
	27 Bromochloromethane	128	4.612	4.612	(0.880)	417938	18.7116	18.712
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	410978	9.57593	9.576
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	743052	9.88749	9.887
	30 1,1-Dichloropropene	75	4.942	4.942	(0.878)	714163	9.57989	9.580
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	651797	9.63923	9.639
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	483301	10.1814	10.181
	33 1,2-Dichloroethane	62	5.306	5.312	(0.942)	603833	10.1760	10.176
	34 Benzene	78	5.141	5.141	(0.913)	2023912	10.0789	10.079
*	35 1,4-Difluorobenzene	114	5.630	5.636	(1.000)	1328272	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.994)	504590	10.2015	10.201
	37 1,2-Dichloropropane	63	5.983	5.989	(1.063)	468227	10.3003	10.300
	38 Bromodichloromethane	83	6.035	6.034	(1.072)	707782	10.7941	10.794
	39 Dibromomethane	93	5.909	5.909	(1.050)	252513	10.1785	10.179
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.148)	185964	9.56599	9.566
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.233)	99150	9.81818	9.818
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.154)	753889	10.4875	10.488
$	43 d8-Toluene	98	6.626	6.626	(1.177)	1636465	10.2543	10.254
	44 Toluene	92	6.661	6.660	(1.183)	1252377	10.4301	10.430
	45 Trans 1,3-Dichloropropene	75	6.962	6.962	(1.237)	602912	9.84078	9.841(Q)
	46 2-Hexanone	43	7.531	7.537	(0.975)	162135	9.80919	9.809
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.257)	343346	10.7964	10.796
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	637095	10.5816	10.582
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	447964	9.76751	9.768
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	423887	10.5862	10.586
	51 1,2-Dibromoethane	107	7.361	7.360	(1.307)	327539	10.5843	10.584
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1249870	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	1407742	10.3865	10.387(Q)
	54 Ethyl Benzene	105	7.753	7.759	(1.004)	122347	10.3486	10.349(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.781	(1.007)	497919	10.7463	10.746
	56 m,p-xylene	106	7.861	7.861	(1.018)	1947454	21.9051	21.905
	58 o-Xylene	106	8.169	8.168	(1.057)	931402	10.6712	10.671
	59 Styrene	104	8.208	8.208	(1.063)	1548295	11.0890	11.089
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	2205301	9.22879	9.229
	61 Bromoform	173	8.226	8.225	(0.873)	249502	10.6400	10.640
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	450362	9.87848	9.878
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	627944	10.1821	10.182
	64 1,2,3-Trichloropropane	110	8.852	8.851	(0.939)	140113	10.5271	10.527
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	102957	8.72374	8.724
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	3159477	11.0134	11.013

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
67	Bromobenzene	156	8.675	8.675	(0.920)	536694	10.0830	10.083
68	1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	2127568	10.5900	10.590
69	2-Chloro Toluene	91	8.812	8.812	(0.935)	2072994	10.5794	10.579
70	4-Chloro Toluene	91	8.931	8.931	(0.947)	1844103	10.1051	10.105
71	T-Butyl Benzene	119	9.074	9.073	(0.963)	1753733	10.4929	10.493
72	1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	2100153	10.4972	10.497
73	S-Butyl Benzene	105	9.210	9.210	(0.977)	2729135	10.8140	10.814
74	4-Isopropyl Toluene	119	9.318	9.318	(0.989)	2119803	10.4340	10.434
75	1,3-Dichlorobenzene	146	9.369	9.369	(0.994)	1087100	10.1940	10.194
* 76	d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	679394	10.0000	
77	1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	1139685	10.2142	10.214(Q)
78	N-Butyl Benzene	91	9.637	9.637	(1.022)	2168236	10.5962	10.596
$ 79	d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	598722	9.88858	9.889
80	1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	1007855	10.2230	10.223(Q)
81	1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	66945	9.84111	9.841(Q)
82	1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	505746	10.1862	10.186
83	Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	205363	9.66514	9.665
84	Naphthalene	128	11.168	11.168	(1.185)	1004711	10.1947	10.195
85	1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	376606	9.60382	9.604

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08101025.d
Lab Smp Id: ICV10
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 18:06
Client Smp ID: ICV10
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	722497	-10.79
35 1,4-Difluorobenze	1494542	747271	2989084	1328272	-11.13
52 d5-Chlorobenzene	1406726	703363	2813452	1249870	-11.15
76 d4-1,4-Dichlorobe	781222	390611	1562444	679394	-13.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.63	-0.10
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 10AUG10
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: ICV10 Client Smp ID: ICV10
Level: LOW Operator: PC
Data Type: MS DATA SampleType: LCS
SpikeList File: icv.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/10AUG10.b/82600806L.m
Misc Info: 10-

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	10.000	8.288	82.88	80-120
2	Chloromethane	10.000	8.251	82.51	80-120
3	Vinyl Chloride	10.000	9.125	91.25	80-120
4	Bromomethane	10.000	9.786	97.86	80-120
5	Chloroethane	10.000	9.263	92.63	80-120
6	Trichlorofluoromet	10.000	9.047	90.47	80-120
8	Acrolein	10.000	9.213	92.13	80-120
9	112Trichloro122Tri	10.000	8.656	86.56	80-120
10	Acetone	10.000	9.778	97.78	80-120
11	1,1-Dichloroethene	10.000	9.581	95.81	80-120
12	Bromoethane	10.000	8.730	87.30	80-120
13	Iodomethane	10.000	8.042	80.42	80-120
14	Methylene Chloride	10.000	9.350	93.50	80-120
15	Acrylonitrile	10.000	9.429	94.29	80-120
17	Carbon Disulfide	10.000	7.438	74.38*	80-120
16	Methyl tert butyl	10.000	8.598	85.98	80-120
18	Trans-1,2-Dichloro	10.000	9.835	98.35	80-120
20	Vinyl Acetate	10.000	7.298	72.98*	80-120
21	1,1-Dichloroethane	10.000	9.712	97.12	80-120
22	2-Butanone	10.000	9.349	93.49	80-120
23	2,2-Dichloropropan	10.000	9.266	92.66	80-120
24	Cis-1,2-Dichloroet	10.000	9.819	98.19	80-120
26	Chloroform	10.000	9.793	97.93	80-120
27	Bromochloromethane	20.000	18.712	93.56	80-120
29	1,1,1-Trichloroeth	10.000	9.887	98.87	80-120
30	1,1-Dichloropropen	10.000	9.580	95.80	80-120
31	Carbon Tetrachlori	10.000	9.639	96.39	80-120
33	1,2-Dichloroethane	10.000	10.176	101.76	80-120
34	Benzene	10.000	10.079	100.79	80-120
36	Trichloroethene	10.000	10.201	102.01	80-120
37	1,2-Dichloropropan	10.000	10.300	103.00	80-120
38	Bromodichlorometha	10.000	10.794	107.94	80-120
39	Dibromomethane	10.000	10.179	101.79	80-120

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	10.000	9.566	95.66	80-120
41 4-Methyl-2-Pentano	10.000	9.818	98.18	80-120
42 Cis 1,3-dichloropr	10.000	10.488	104.88	80-120
44 Toluene	10.000	10.430	104.30	80-120
45 Trans 1,3-Dichloro	10.000	9.841	98.41	80-120
46 2-Hexanone	10.000	9.809	98.09	80-120
47 1,1,2-Trichloroeth	10.000	10.796	107.96	80-120
48 1,3-Dichloropropan	10.000	10.582	105.82	80-120
49 Tetrachloroethene	10.000	9.768	97.68	80-120
50 Chlorodibromometha	10.000	10.586	105.86	80-120
51 1,2-Dibromoethane	10.000	10.584	105.84	80-120
53 Chlorobenzene	10.000	10.387	103.87	80-120
55 1,1,1,2-Tetrachlor	10.000	10.746	107.46	80-120
54 Ethyl Benzene	10.000	10.349	103.49	80-120
56 m,p-xylene	20.000	21.905	109.53	80-120
58 o-Xylene	10.000	10.671	106.71	80-120
59 Styrene	10.000	11.089	110.89	80-120
60 Isopropyl Benzene	10.000	9.229	92.29	80-120
61 Bromoform	10.000	10.640	106.40	80-120
62 1,1,2,2-Tetrachlor	10.000	9.878	98.78	80-120
64 1,2,3-Trichloropro	10.000	10.527	105.27	80-120
65 Trans-1,4-Dichloro	10.000	8.724	87.24	80-120
66 N-Propyl Benzene	10.000	11.013	110.13	80-120
67 Bromobenzene	10.000	10.083	100.83	80-120
68 1,3,5-Trimethyl Be	10.000	10.590	105.90	80-120
69 2-Chloro Toluene	10.000	10.579	105.79	80-120
70 4-Chloro Toluene	10.000	10.105	101.05	80-120
71 T-Butyl Benzene	10.000	10.493	104.93	80-120
72 1,2,4-Trimethylben	10.000	10.497	104.97	80-120
73 S-Butyl Benzene	10.000	10.814	108.14	80-120
74 4-Isopropyl Toluen	10.000	10.434	104.34	80-120
75 1,3-Dichlorobenzen	10.000	10.194	101.94	80-120
77 1,4-Dichlorobenzen	10.000	10.214	102.14	80-120
78 N-Butyl Benzene	10.000	10.596	105.96	80-120
80 1,2-Dichlorobenzen	10.000	10.223	102.23	80-120
81 1,2-Dibromo 3-Chlo	10.000	9.841	98.41	80-120
82 1,2,4-Trichloroben	10.000	10.186	101.86	80-120
83 Hexachloro 1,3-But	10.000	9.665	96.65	80-120
84 Naphthalene	10.000	10.195	101.95	80-120
85 1,2,3-Trichloroben	10.000	9.604	96.04	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	9.576	95.76	60-130

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 32 d4-1,2-Dichloroeth	10.000	10.181	101.81	80-143
$ 43 d8-Toluene	10.000	10.254	102.54	80-120
$ 63 4-Bromofluorobenze	10.000	10.182	101.82	80-120
$ 79 d4-1,2-Dichloroben	10.000	9.889	98.89	80-120

Data File: /chem1/nt10.i/10AUG10.b/08101025.d

Date : 10-AUG-2010 20:12

Client ID: ICV10

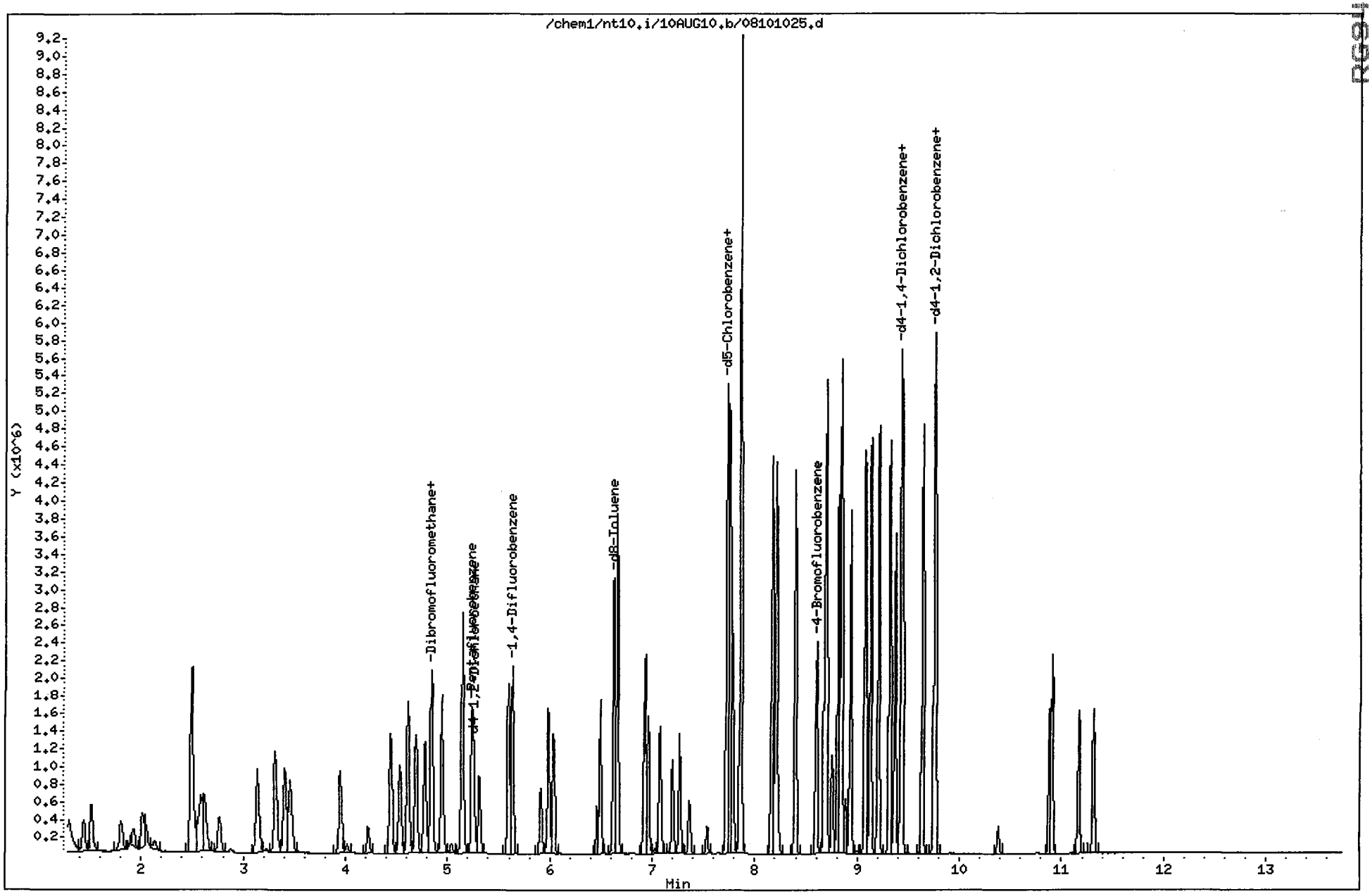
Sample Info: ICV10,10,10,0,,

Column phase: RTX~~502.2~~ VMS PC 8/11/10

Instrument: nt10.i

Operator: PC

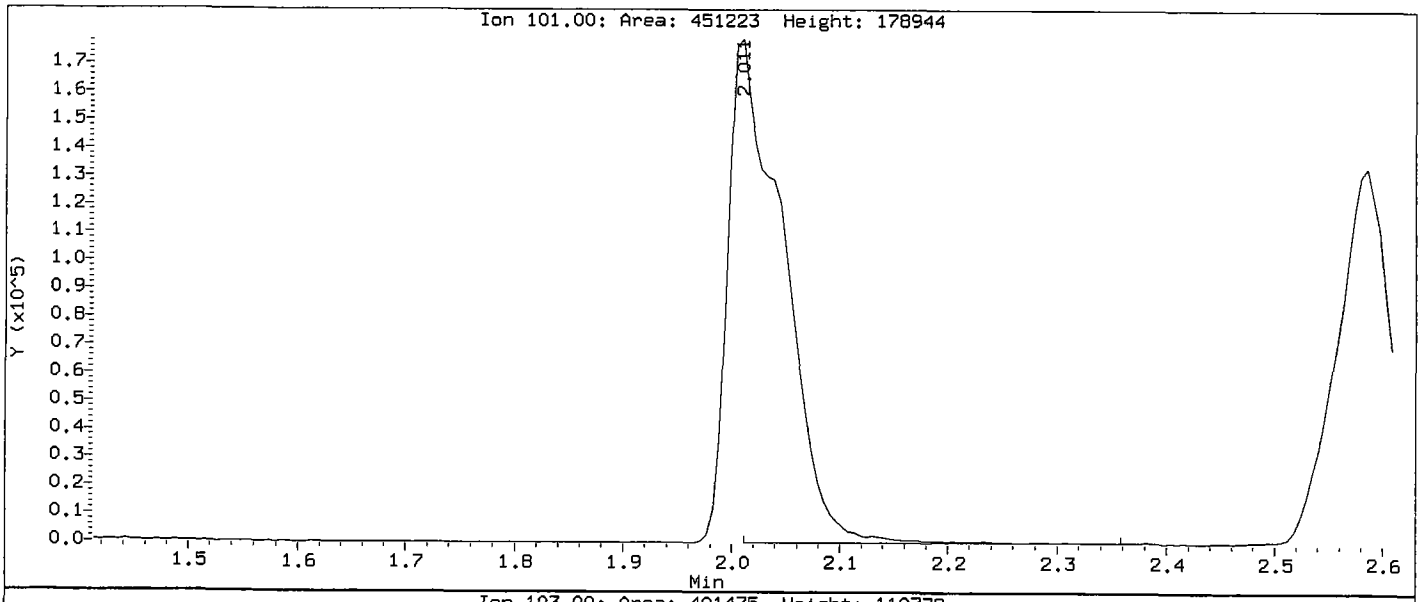
Column diameter: 0.18

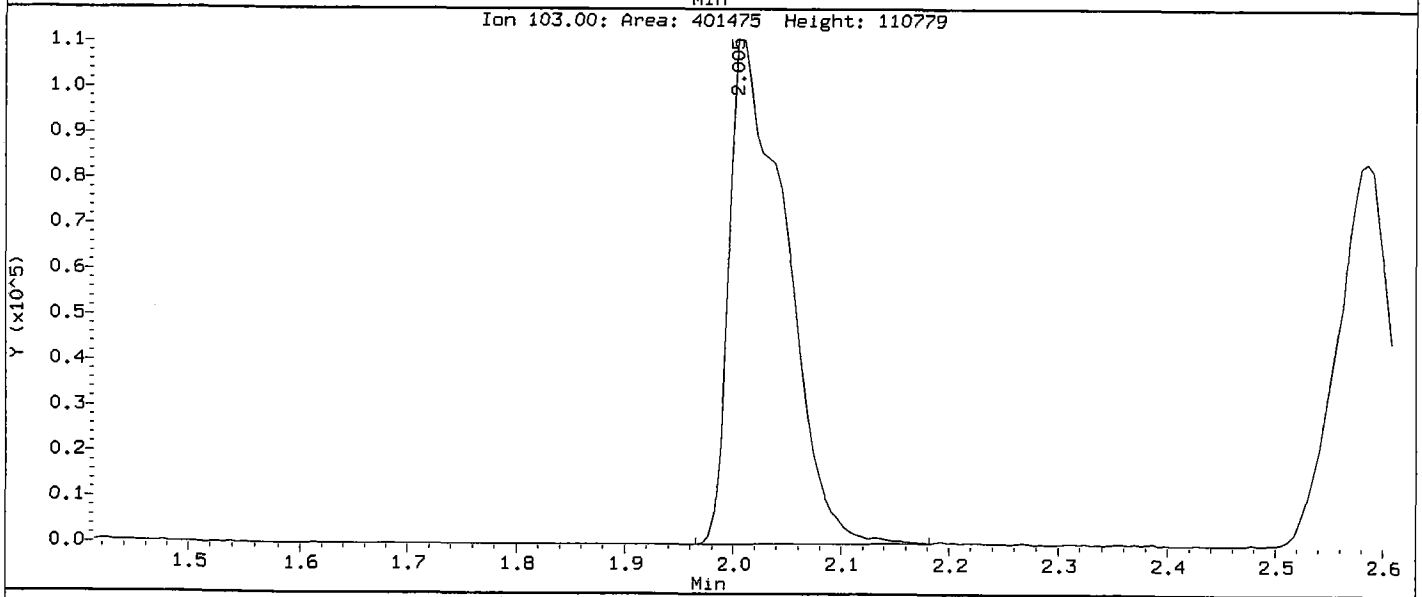


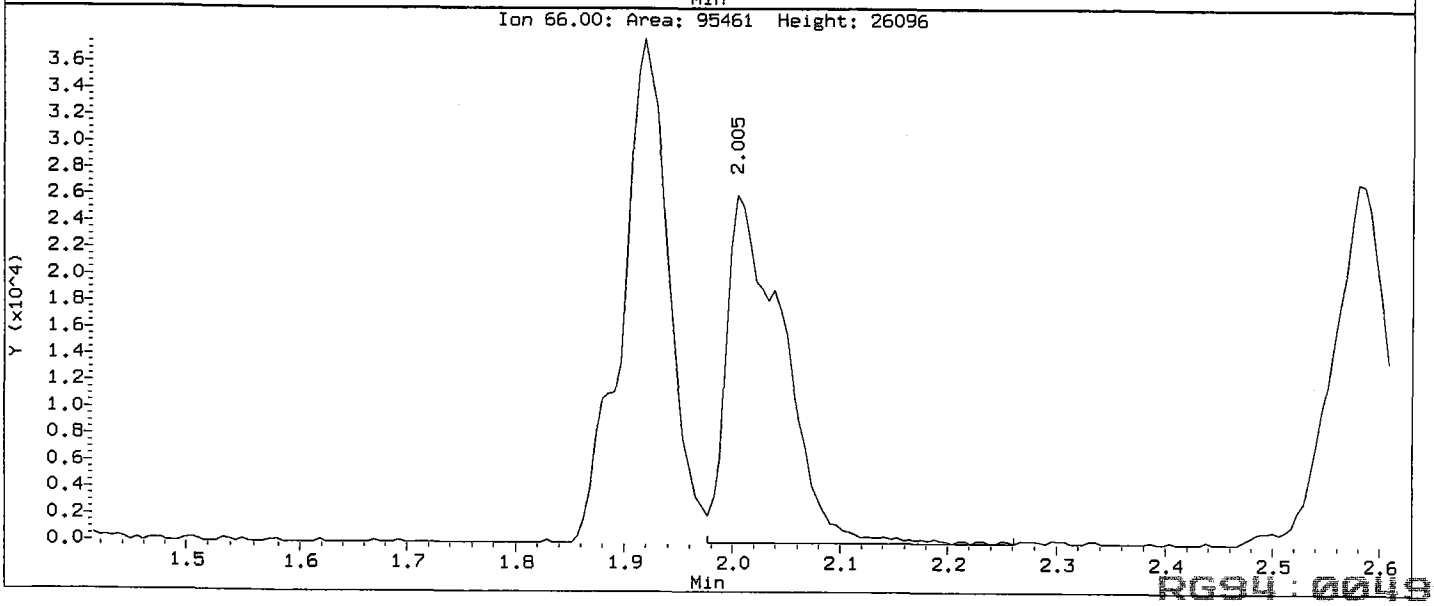
Data File: /chem1/nt10.i/10AUG10.b/08101025.d
Injection Date: 10-AUG-2010 20:12
Instrument: nt10.i
Client Sample ID: ICV10

Compound: Trichlorofluoromethane
CAS Number:

PC
8/11/10



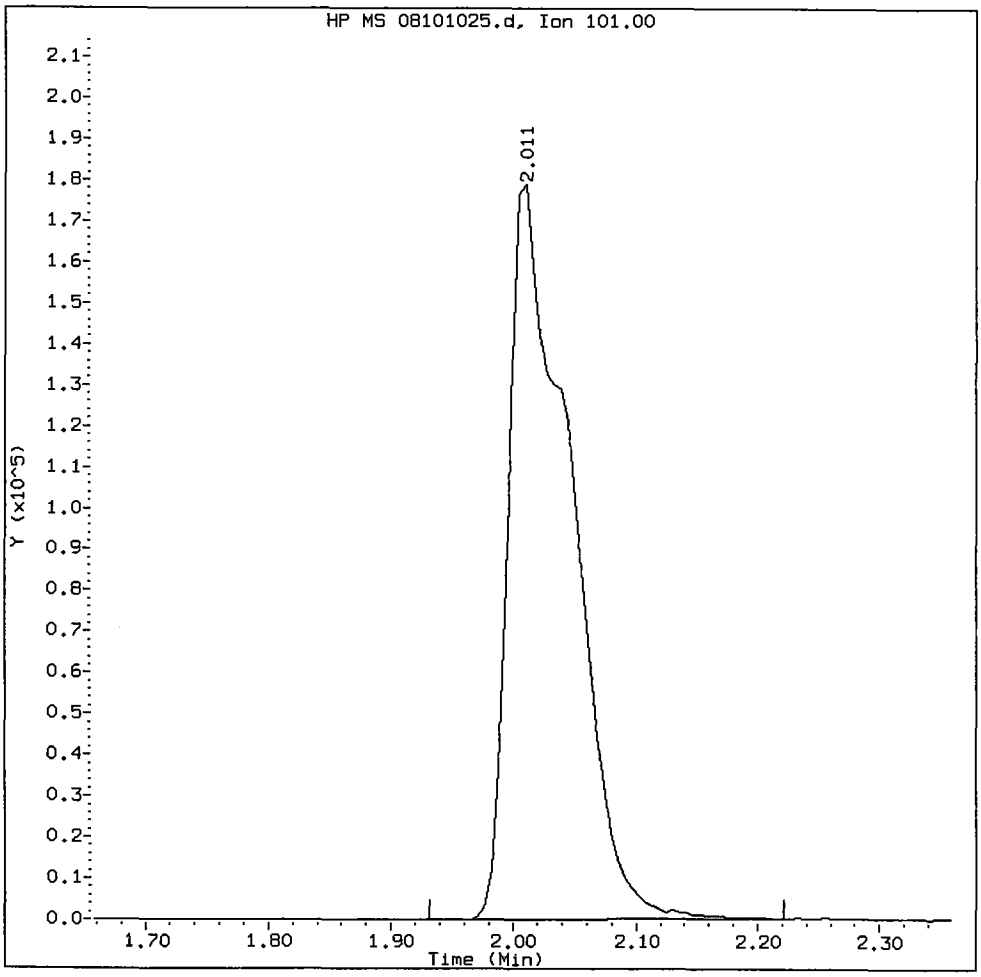




RG94 : 00495

ICV10, /chem1/nt10.i/10AUG10.b/08101025.d

Trichlorofluoromethane Amount: 9.05 Area: 630163



MANUAL INTEGRATION for Trichlorofluoromethane

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: PL Date: 8/11/10

Volatile Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG94

VOA Analyst Notes / Corrective Action Log

ARI Project ID: RG94 Client ID: Field Dup

ARI SOP: **404S**(Gas) **410S**(BTEX) **430S**(VPH) **700S**(8260C) **703S**(SIM) **706S**(524.2) **710S**(RSK-175)

Parameter(s): _____

Instrument: NT-3 NT-5 NT-7 NT-9 NT-10 PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 5 Curve Date: 7/22/10 Analysis Start Date: 8/1/10

pH ≤ 2.0	YES / NO / NA	Method Blank In Control?	YES / NO
BFB Tune Meets Criteria?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
Internal Standard Meets Criteria?	YES / NO / NA	Surrogate Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO
Q flag applied?	YES / NO / NA	Q flag applied?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes / NO
Special Analysis Criteria Met?	YES / NO / NA		

Bubbles/Headspace: None SM (≤ 2mm •) PB (2-4mm) LG (> 4mm ●) Head Space

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

QC on H

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 8/16/10

Reviewer: _____ **Date:** 8/16/10

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 8/10/10 Analysis: SVMC Analyst: JA

GC Program: FS Column No: 821729 Column Type: RTX-5MS

Instrument Tune (.U or .CT.): BFB0810 EM Voltage: 1648

Calibration File: 0500810A Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
w1648-1	w1646-2	w1646-2

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/10AUG10.b

	Time	Filename	LabID	ClientID	WT								
1	0846	BFB0810.d	BFB0810	BFB0810	0.00								
2	0914	0500810.d	CC0810	VSTD050	5.00	6.62	115835	7.63	174069	10.78	145877	13.47	78708
3	1038	0500810A.d	CC0810	VSTD050	5.00	6.61	117420	7.62	167913	10.77	137539	13.46	74652
4	1112	LCS0810.d	LCS0810	LCS0810	5.00	6.63	113963	7.65	170822	10.79	146772	13.48	80742
5	1137	LCS0810A.d	LCS0810	LCS0810	5.00	6.63	120686	7.64	178947	10.79	146633	13.47	78163
6	1206	MB0810.d	MB0810	MB0810	5.00	6.62	114844	7.64	162120	10.78	136524	13.47	66691
7	1235	RG58S2.d	RG58S	PSB24-16-17-072910	5.00	6.62	109057	7.63	158794	10.78	136121	13.46	67577
8	1309	RH20A2.d	RH20A	IT-ROB-CMP1-080410	5.00	6.62	100903	7.64	152273	10.78	123137	13.47	52183
9	1336	RH20B2.d	RH20B	IT-ROB-CMP2-080410	5.00	6.63	106604	7.65	161402	10.79	120135	13.48	45383
10	1402	RG52F2.d	RG52F	KSC-DP-3-S-7-8-1007	5.00	6.63	108297	7.64	157896	10.79	141897	13.48	84084
11	1431	RG94A.d	RG94A	MW14-15-16.5-080210	5.00	6.62	136703	7.63	206520	10.77	170733	13.46	82102
12	1455	RG94B.d	RG94B	MW14-22.5-24-080210	5.00	6.62	124371	7.64	184757	10.78	152814	13.47	73136
13	1522	RG94C.d	RG94C	MW13-10-11.5-080210	5.00	6.63	128814	7.64	189147	10.79	162563	13.47	82845
14	1548	RG94D.d	RG94D	MW13-14-14.5-080210	5.00	6.61	116703	7.63	175855	10.77	149298	13.46	74772
15	1615	RG94E.d	RG94E	MW13-18.5-19.5-0802	5.00	6.63	121960	7.65	183448	10.79	157767	13.48	80744
16	1641	RG94F.d	RG94F	MW13-18.5-19.5-0802	5.00	6.62	116169	7.64	173753	10.78	148950	13.47	72689
17	1708	RG94G.d	RG94G	MW12-5.5-7.5-080210	5.00	6.62	119582	7.64	172971	10.78	131490	13.47	47111
18	1734	RG94H.d	RG94H	MW12-8-9.5-080210	5.00	6.62	124485	7.63	187779	10.78	162157	13.46	80115
19	1800	RG94I.d	RG94I	MW12-10-11.5-080210	5.00	6.63	121739	7.65	184223	10.79	160662	13.48	79097
20	1827	RG94J.d	RG94J	MW12-17.5-19-080210	5.00	6.61	122631	7.63	185787	10.77	163042	13.46	81851
21	1853	RG94HMS.d	RG94HMS	MW12-8-9.5-0802 MS	5.00	6.63	141956	7.64	209660	10.79	170873	13.47	93777
22	1920	RG94HMSD.d	RG94HMSD	MW12-8-9.5-0802 MSD	5.00	6.62	141432	7.63	212955	10.78	171883	13.47	99347
23	1946	RH57A.d	RH57A	10080090	5.00	6.63	121001	7.65	182566	10.79	159819	13.48	79906
24	2012	RH57B.d	RH57B	10080099	5.00	6.62	129799	7.64	185561	10.78	173434	13.47	84041
25	2039	RH57D0.d	RH57D	10080110	5.00	6.61	120263	7.63	175914	10.78	263238	13.46	90055
26	2105	RH57C0.d	RH57C	10080108	5.00	6.63	117373	7.65	173509	10.80	333841	13.48	152401

Mai

Mai

Every

RG84 00499

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/10AUG10.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 10-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0846	BFB0810.d	BFB0810	BFB0810	1	NO MANUAL INTEGRATION
1038	0500810A.d	CC0810	VSTD050	1	NO MANUAL INTEGRATION
1112	LCS0810.d	LCS0810	LCS0810	1	NO MANUAL INTEGRATION
1137	LCS0810A.d	LCS0810	LCS0810	1	NO MANUAL INTEGRATION
1206	MB0810.d	MB0810	MB0810	1	NO MANUAL INTEGRATION
1431	RG94A.d	RG94A	MW14-15-16	1	NO MANUAL INTEGRATION
1455	RG94B.d	RG94B	MW14-22.5-	1	NO MANUAL INTEGRATION
1522	RG94C.d	RG94C	MW13-10-11	1	NO MANUAL INTEGRATION
1548	RG94D.d	RG94D	MW13-14-14	1	NO MANUAL INTEGRATION
1615	RG94E.d	RG94E	MW13-18.5-	1	NO MANUAL INTEGRATION
1641	RG94F.d	RG94F	MW13-18.5-	1	NO MANUAL INTEGRATION
1708	RG94G.d	RG94G	MW12-5.5-7	1	NO MANUAL INTEGRATION
1734	RG94H.d	RG94H	MW12-8-9.5	1	NO MANUAL INTEGRATION
1800	RG94I.d	RG94I	MW12-10-11	1	NO MANUAL INTEGRATION
1827	RG94J.d	RG94J	MW12-17.5-	1	NO MANUAL INTEGRATION
1853	RG94HMS.d	RG94HMS	MW12-8-9.5	1	NO MANUAL INTEGRATION
1920	RG94HMSD.d	RG94HMSD	MW12-8-9.5	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/10AUG10.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 10-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0846	BFB0810.d	BFB0810	BFB0810	1	NO MANUAL INTEGRATION
1038	0500810A.d	CC0810	VSTD050	1	NO MANUAL INTEGRATION
1112	LCS0810.d	LCS0810	LCS0810	1	NO MANUAL INTEGRATION
1137	LCS0810A.d	LCS0810	LCS0810	1	NO MANUAL INTEGRATION
1206	MB0810.d	MB0810	MB0810	1	NO MANUAL INTEGRATION
1431	RG94A.d	RG94A	MW14-15-16	1	NO MANUAL INTEGRATION
1455	RG94B.d	RG94B	MW14-22.5-	1	NO MANUAL INTEGRATION
1522	RG94C.d	RG94C	MW13-10-11	1	NO MANUAL INTEGRATION
1548	RG94D.d	RG94D	MW13-14-14	1	NO MANUAL INTEGRATION
1615	RG94E.d	RG94E	MW13-18.5-	1	NO MANUAL INTEGRATION
1641	RG94F.d	RG94F	MW13-18.5-	1	NO MANUAL INTEGRATION
1708	RG94G.d	RG94G	MW12-5.5-7	1	NO MANUAL INTEGRATION
1734	RG94H.d	RG94H	MW12-8-9.5	1	NO MANUAL INTEGRATION
1800	RG94I.d	RG94I	MW12-10-11	1	NO MANUAL INTEGRATION
1827	RG94J.d	RG94J	MW12-17.5-	1	NO MANUAL INTEGRATION
1853	RG94HMS.d	RG94HMS	MW12-8-9.5	1	NO MANUAL INTEGRATION
1920	RG94HMSD.d	RG94HMSD	MW12-8-9.5	1	NO MANUAL INTEGRATION

Q-FLAG SUMMARY FOR DATABATCH - /chem1/finn5.i/10AUG10.b

Instrument: finn5.i Date: 10-AUG-2010 Method: s8260b.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 10-AUG-2010

Compound	%D
Bromomethane	39.0
Iodomethane	-28.6
4-Chloro Toluene	22.1
4-Isopropyl Toluene	25.8
N-Butyl Benzene	30.4

Data File: /chem1/finn5.i/10AUG10.b/BFB0810.d

Date : 10-AUG-2010 08:46

Client ID: BFB0810

Instrument: finn5.i

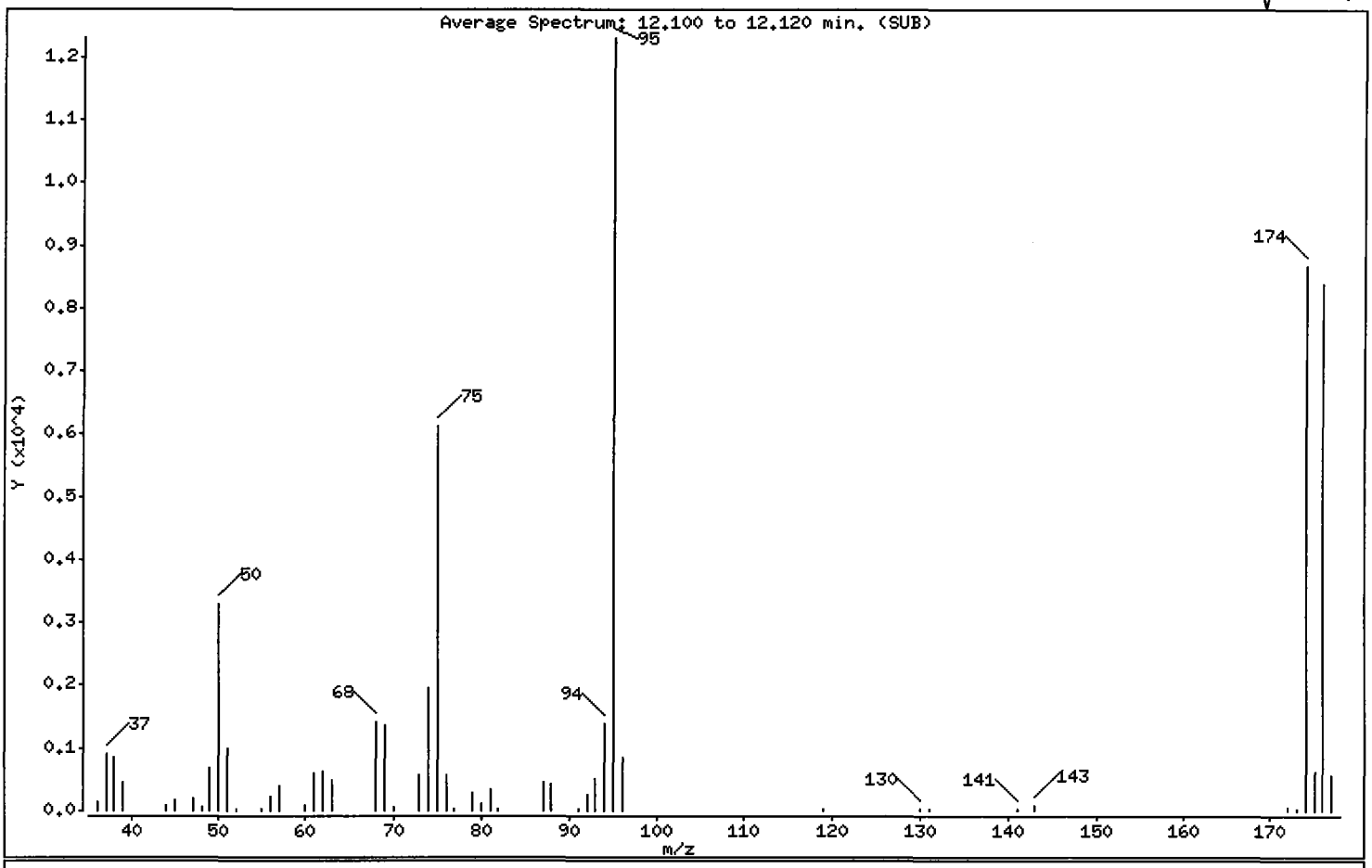
Sample Info: BFB0810,BFB0810,,1,10AUG10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	26.71
75	30.00 - 66.00% of mass 95	49.85
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.17 (0.24)
174	50.00 - 101.00% of mass 95	70.44
175	4.00 - 9.00% of mass 174	5.11 (7.25)
176	93.00 - 101.00% of mass 174	68.29 (96.96)
177	5.00 - 9.00% of mass 176	4.54 (6.65)

Data File: /chem1/finn5.i/10AUG10.b/BFB0810.d

Date : 10-AUG-2010 08:46

Client ID: BFB0810

Instrument: finn5.i

Sample Info: BFB0810,BFB0810,,1,10AUG10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB0810.d
Spectrum: Average Spectrum: 12.100 to 12.120 min. (SUB)
Location of Maximum: 95.00
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	149	56.00	214	77.00	22	119.00	18
37.00	903	57.00	404	79.00	295	130.00	20
38.00	860	60.00	94	80.00	114	131.00	18
39.00	443	61.00	597	81.00	346	141.00	28
44.00	72	62.00	638	82.00	41	143.00	83
45.00	180	63.00	492	87.00	465	172.00	59
47.00	207	68.00	1423	88.00	427	173.00	21
48.00	64	69.00	1368	91.00	19	174.00	8672
49.00	687	70.00	69	92.00	252	175.00	629
50.00	3288	73.00	561	93.00	497	176.00	8408
51.00	985	74.00	1950	94.00	1400	177.00	559
52.00	18	75.00	6137	95.00	12312		
55.00	36	76.00	563	96.00	848		

Data File: /chem1/finn5.i/10AUG10.b/BFB0810.d

Date : 10-AUG-2010 08:46

Client ID: BFB0810

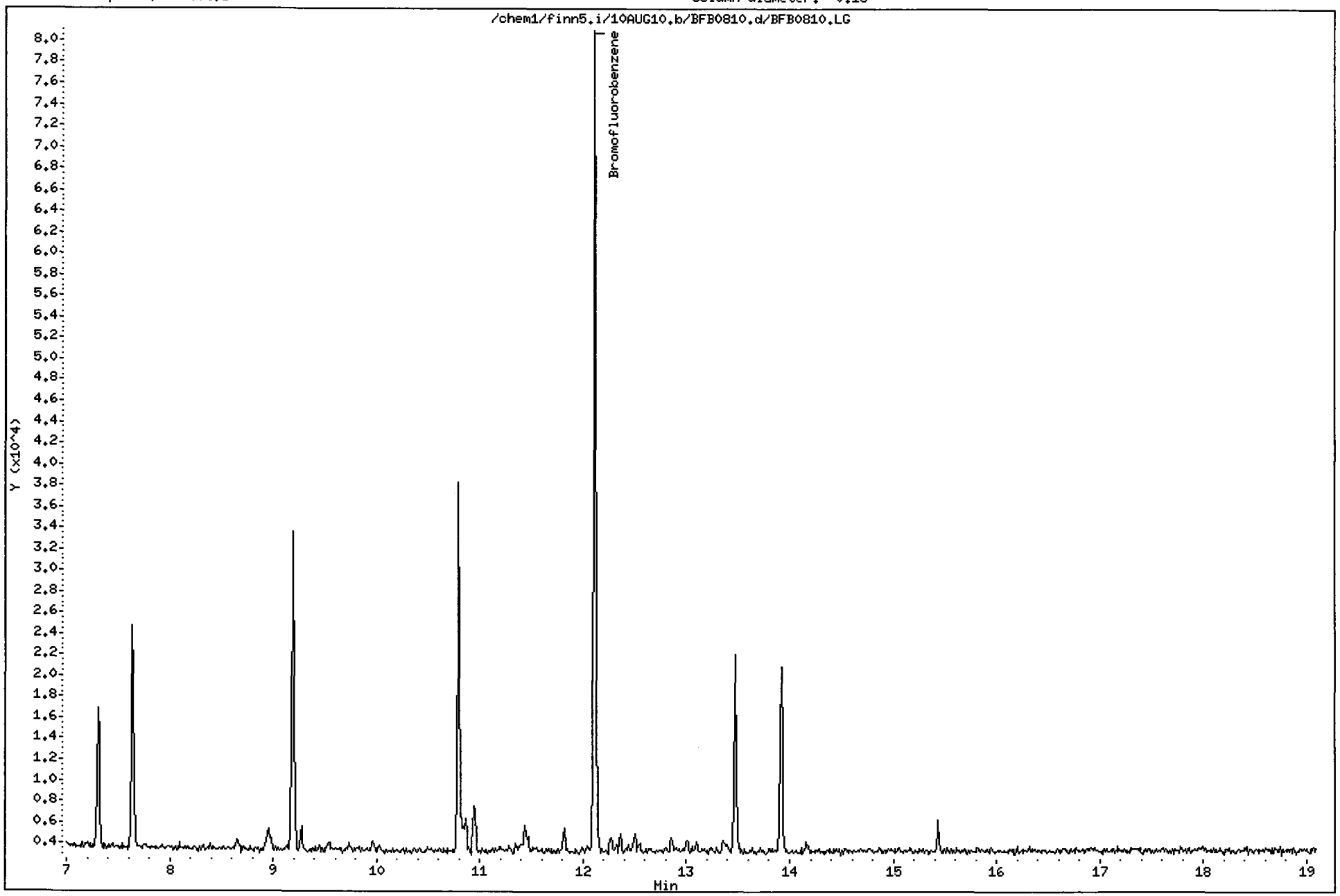
Sample Info: BFB0810,BFB0810,,1,10AUG10,,

Instrument: finn5.i

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/0500810A.d
Lab Smp Id: CC0810 Client Smp ID: VSTD050
Inj Date : 10-AUG-2010 10:38
Operator : PB Inst ID: finn5.i
Smp Info : CC0810,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 10-Aug-2010 11:38 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	2.995	2.995	(0.453)	69539	50.0000	45.672
2 Chloromethane	50	3.296	3.296	(0.498)	166930	50.0000	40.749
3 Vinyl Chloride	62	3.407	3.407	(0.515)	157933	50.0000	48.753
4 Bromomethane	94	3.899	3.899	(0.590)	122237	50.0000	69.481
5 Chloroethane	64	3.970	3.970	(0.600)	105585	50.0000	49.909
6 Trichlorofluoromethane	101	4.231	4.231	(0.640)	146352	50.0000	46.744
7 Acrolein	56	4.613	4.613	(0.698)	92654	250.000	237.24
8 112Trichloro122Trifluoroethane	101	4.623	4.623	(0.699)	121656	50.0000	49.632
9 Acetone	43	4.663	4.663	(0.705)	155626	250.000	236.83
10 1,1-Dichloroethene	96	4.824	4.824	(0.729)	100144	50.0000	45.023
11 Bromoethane	108	5.045	5.045	(0.763)	66725	50.0000	40.509
12 Iodomethane	142	5.146	5.146	(0.778)	93936	50.0000	35.719
13 Methylene Chloride	84	5.266	5.266	(0.796)	108037	50.0000	43.137
14 Acrylonitrile	53	5.347	5.347	(0.808)	29916	50.0000	51.564(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.387	5.387	(0.815)	148921	50.0000	43.538 (Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.812)	281605	50.0000	40.821
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.839)	91632	50.0000	48.340
	18 Vinyl Acetate	43	5.869	5.869	(0.888)	176952	50.0000	53.299
	19 1,1-Dichloroethane	63	5.919	5.919	(0.895)	173721	50.0000	49.817
	20 2-Butanone	43	6.271	6.271	(0.948)	193802	250.000	262.11
	21 2,2-Dichloropropane	77	6.442	6.442	(0.974)	95006	50.0000	44.524
	22 Cis-1,2-Dichloroethene	96	6.482	6.482	(0.980)	81737	50.0000	48.924
*	23 Pentafluorobenzene	168	6.613	6.613	(1.000)	117420	50.0000	
	24 Chloroform	83	6.633	6.633	(1.003)	137383	50.0000	48.501
	26 Bromochloromethane	128	6.794	6.794	(1.027)	36260	50.0000	45.713
$	25 Dibromofluoromethane	111	6.834	6.834	(1.033)	64083	50.0000	45.791 (Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.062)	98355	50.0000	44.644
	29 1,1-Dichloropropene	75	7.166	7.166	(0.941)	112667	50.0000	49.411
	30 Carbon Tetrachloride	117	7.276	7.276	(0.955)	90144	50.0000	45.462
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.103)	69688	50.0000	45.508
	32 1,2-Dichloroethane	62	7.377	7.377	(0.968)	98291	50.0000	49.103
	33 Benzene	78	7.427	7.427	(0.975)	277370	50.0000	50.305
*	34 1,4-Difluorobenzene	114	7.618	7.618	(1.000)	167913	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.050)	79016	50.0000	48.912
	36 1,2-Dichloropropane	63	8.161	8.161	(1.071)	82411	50.0000	47.414
	37 Bromodichloromethane	83	8.392	8.392	(1.102)	90281	50.0000	48.582
	39 Dibromomethane	93	8.462	8.462	(1.111)	42927	50.0000	49.753
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.131)	33941	50.0000	55.760
	41 4-Methyl-2-Pentanone	58	8.643	8.643	(1.135)	107881	250.000	243.04
	42 Cis 1,3-dichloropropene	75	8.894	8.894	(1.168)	104648	50.0000	51.579
$	43 d8-Toluene	98	9.176	9.176	(1.204)	188908	50.0000	51.201
	44 Toluene	92	9.256	9.256	(1.215)	156489	50.0000	47.835
	45 Trans 1,3-Dichloropropene	75	9.387	9.387	(1.232)	83465	50.0000	48.942
	46 2-Hexanone	43	9.517	9.517	(0.883)	264492	250.000	235.25
	47 1,1,2-Trichloroethane	97	9.568	9.568	(1.256)	50813	50.0000	49.892
	48 1,3-Dichloropropane	76	9.829	9.829	(0.912)	97684	50.0000	50.462
	49 Tetrachloroethene	166	9.949	9.949	(0.924)	72963	50.0000	47.748
	50 Chlorodibromomethane	129	10.150	10.150	(0.942)	62942	50.0000	48.333
	51 1,2-Dibromoethane	107	10.382	10.382	(1.363)	53668	50.0000	49.196
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	137539	50.0000	
	53 Chlorobenzene	112	10.814	10.814	(1.004)	157888	50.0000	48.943
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	291716	50.0000	53.474
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.007)	52454	50.0000	42.484
	56 m,p-xylene	106	10.934	10.934	(1.015)	224544	100.000	112.61
	57 o-Xylene	106	11.417	11.417	(1.060)	107750	50.0000	51.995
	58 Styrene	104	11.447	11.447	(1.062)	179504	50.0000	56.022
	59 Isopropyl Benzene	105	11.799	11.799	(0.877)	284060	50.0000	56.527
	60 Bromoform	173	11.859	11.859	(0.881)	38440	50.0000	47.576
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	69489	50.0000	47.864
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.123)	79821	50.0000	49.588
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	13852	50.0000	48.162

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.907)	25643	50.0000	57.468
66	N-Propyl Benzene	91	12.251	12.251	(0.910)	357990	50.0000	55.185
67	Bromobenzene	156	12.341	12.341	(0.917)	70424	50.0000	50.271
68	1,3,5-Trimethyl Benzene	105	12.422	12.422	(0.923)	241420	50.0000	59.183
69	2-Chloro Toluene	91	12.482	12.482	(0.928)	223508	50.0000	52.436
70	4-Chloro Toluene	91	12.532	12.532	(0.931)	249450	50.0000	61.052
71	T-Butyl Benzene	119	12.834	12.834	(0.954)	205471	50.0000	58.878
72	1,2,4-Trimethylbenzene	105	12.884	12.884	(0.957)	240259	50.0000	59.830
73	S-Butyl Benzene	105	13.085	13.085	(0.972)	327972	50.0000	57.125
74	4-Isopropyl Toluene	119	13.226	13.226	(0.983)	247784	50.0000	62.898
75	1,3-Dichlorobenzene	146	13.377	13.377	(0.994)	138038	50.0000	57.675
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	74652	50.0000	
77	1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	136656	50.0000	57.060
78	N-Butyl Benzene	91	13.708	13.708	(1.019)	277283	50.0000	65.182
$ 79	d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	67527	50.0000	49.730
80	1,2-Dichlorobenzene	146	13.929	13.929	(1.035)	123289	50.0000	54.202
81	1,2-Dibromo 3-Chloropropane	75	14.834	14.834	(1.102)	12090	50.0000	48.126
82	1,2,4-Trichlorobenzene	180	15.879	15.879	(1.180)	80300	50.0000	58.012
83	Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	49970	50.0000	53.600
84	Naphthalene	128	16.211	16.211	(1.205)	130926	50.0000	52.148
85	1,2,3-Trichlorobenzene	180	16.502	16.502	(1.226)	69204	50.0000	52.294

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0500810A.d
Lab Smp Id: CC0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: VSTD050
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	117420	-10.45
34 1,4-Difluorobenze	191559	95780	383118	167913	-12.34
52 d5-Chlorobenzene	161199	80600	322398	137539	-14.68
76 d4-1,4-Dichlorobe	88279	44140	176558	74652	-15.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.61	-0.15
34 1,4-Difluorobenze	7.63	7.13	8.13	7.62	-0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.77	-0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i Injection Date: 10-AUG-2010 10:38
Lab File ID: 0500810A.d Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 17:18 20:28
Lab Sample ID: CC0810 Quant Type: ISTD
Method: /chem1/finn5.i/10AUG10.b/s8260b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.64835	0.59222	0.010	-8.65651	20.00000	Averaged	
2 Chloromethane	1.74440	1.42165	0.100	-18.50218	20.00000	Averaged	
3 Vinyl Chloride	1.37944	1.34503	0.010	-2.49476	20.00000	Averaged	
4 Bromomethane	0.74914	1.04102	0.010	38.96278	20.00000	Averaged	<-
5 Chloroethane	0.90084	0.89921	0.010	-0.18161	20.00000	Averaged	
6 Trichlorofluoromethane	1.33321	1.24640	0.010	-6.51158	20.00000	Averaged	
7 Acrolein	0.16631	0.15782	0.010	-5.10476	20.00000	Averaged	
8 112Trichloro122Trifluoroeth	1.04376	1.03608	0.010	-0.73609	20.00000	Averaged	
9 Acetone	0.27982	0.26508	0.010	-5.26756	20.00000	Averaged	
10 1,1-Dichloroethene	0.94715	0.85287	0.010	-9.95388	20.00000	Averaged	
11 Bromoethane	0.70140	0.56826	0.010	-18.98272	20.00000	Averaged	
12 Iodomethane	1.11986	0.80000	0.010	-28.56224	20.00000	Averaged	<-
13 Methylene Chloride	1.06648	0.92009	0.010	-13.72662	20.00000	Averaged	
14 Acrylonitrile	0.24705	0.25478	0.010	3.12737	20.00000	Averaged	
16 Methyl tert-Butyl Ether	1.45653	1.26828	0.010	-12.92468	20.00000	Averaged	
15 Carbon Disulfide	2.93755	2.39827	0.010	-18.35806	20.00000	Averaged	
17 Trans-1,2-Dichloroethene	0.80717	0.78038	0.010	-3.31967	20.00000	Averaged	
18 Vinyl Acetate	1.41371	1.50700	0.010	6.59872	20.00000	Averaged	
19 1,1-Dichloroethane	1.48492	1.47948	0.100	-0.36626	20.00000	Averaged	
20 2-Butanone	0.31485	0.33010	0.010	4.84363	20.00000	Averaged	
21 2,2-Dichloropropane	0.90863	0.80911	0.010	-10.95265	20.00000	Averaged	
22 Cis-1,2-Dichloroethene	0.71142	0.69611	0.010	-2.15227	20.00000	Averaged	
24 Chloroform	1.20617	1.17001	0.010	-2.99745	20.00000	Averaged	
26 Bromochloromethane	0.33777	0.30881	0.010	-8.57447	20.00000	Averaged	
$ 25 Dibromofluoromethane	0.59593	0.54576	0.010	-8.41860	20.00000	Averaged	
27 1,1,1-Trichloroethane	0.93813	0.83763	0.010	-10.71248	20.00000	Averaged	
29 1,1-Dichloropropene	0.67899	0.67098	0.010	-1.17837	20.00000	Averaged	
30 Carbon Tetrachloride	0.59044	0.53685	0.010	-9.07603	20.00000	Averaged	
$ 31 d4-1,2-Dichloroethane	0.65208	0.59349	0.010	-8.98414	20.00000	Averaged	
32 1,2-Dichloroethane	0.59607	0.58537	0.010	-1.79458	20.00000	Averaged	
33 Benzene	1.64186	1.65187	0.010	0.60939	20.00000	Averaged	
35 Trichloroethene	0.48104	0.47058	0.010	-2.17569	20.00000	Averaged	
36 1,2-Dichloropropane	0.51756	0.49080	0.010	-5.17133	20.00000	Averaged	
37 Bromodichloromethane	0.55335	0.53767	0.010	-2.83530	20.00000	Averaged	
39 Dibromomethane	0.25692	0.25565	0.010	-0.49363	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i Injection Date: 10-AUG-2010 10:38
Lab File ID: 0500810A.d Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 17:18 20:28
Lab Sample ID: CC0810 Quant Type: ISTD
Method: /chem1/finn5.i/10AUG10.b/s8260b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
40 2-Chloroethyl Vinyl Ether	0.18125	0.20213	0.001	11.52071	20.00000	Averaged	
41 4-Methyl-2-Pentanone	0.13218	0.12850	0.010	-2.78338	20.00000	Averaged	
42 Cis 1,3-dichloropropene	0.60415	0.62323	0.010	3.15779	20.00000	Averaged	
$ 43 d8-Toluene	1.09864	1.12503	0.010	2.40270	20.00000	Averaged	
44 Toluene	0.97414	0.93196	0.010	-4.32961	20.00000	Averaged	
45 Trans 1,3-Dichloropropene	0.50782	0.49707	0.010	-2.11624	20.00000	Averaged	
46 2-Hexanone	0.40872	0.38461	0.010	-5.90037	20.00000	Averaged	
47 1,1,2-Trichloroethane	0.30327	0.30262	0.010	-0.21518	20.00000	Averaged	
48 1,3-Dichloropropane	0.70372	0.71023	0.010	0.92406	20.00000	Averaged	
49 Tetrachloroethene	0.55550	0.53049	0.010	-4.50280	20.00000	Averaged	
50 Chlorodibromomethane	0.47341	0.45763	0.010	-3.33311	20.00000	Averaged	
51 1,2-Dibromoethane	0.32484	0.31962	0.010	-1.60709	20.00000	Averaged	
53 Chlorobenzene	1.17275	1.14795	0.300	-2.11431	20.00000	Averaged	
54 Ethyl Benzene	1.98319	2.12097	0.010	6.94713	20.00000	Averaged	
55 1,1,1,2-Tetrachloroethane	0.44884	0.38138	0.010	-15.03091	20.00000	Averaged	
56 m,p-xylene	0.72486	0.81629	0.010	12.61410	20.00000	Averaged	
57 o-Xylene	0.75335	0.78341	0.010	3.99055	20.00000	Averaged	
58 Styrene	1.16482	1.30511	0.010	12.04394	20.00000	Averaged	
59 Isopropyl Benzene	3.36576	3.80512	0.010	13.05404	20.00000	Averaged	
60 Bromoform	0.54116	0.51492	0.100	-4.84755	20.00000	Averaged	
61 1,1,2,2-Tetrachloroethane	0.97237	0.93084	0.300	-4.27157	20.00000	Averaged	
$ 62 4-Bromofluorobenzene	0.58517	0.58035	0.010	-0.82316	20.00000	Averaged	
63 1,2,3-Trichloropropane	0.19264	0.18555	0.010	-3.67662	20.00000	Averaged	
65 Trans-1,4-Dichloro 2-Butene	0.29886	0.34350	0.010	14.93704	20.00000	Averaged	
66 N-Propyl Benzene	4.34491	4.79545	0.010	10.36933	20.00000	Averaged	
67 Bromobenzene	0.93828	0.94336	0.010	0.54188	20.00000	Averaged	
68 1,3,5-Trimethyl Benzene	2.73214	3.23394	0.010	18.36656	20.00000	Averaged	
69 2-Chloro Toluene	2.85492	2.99400	0.010	4.87157	20.00000	Averaged	
70 4-Chloro Toluene	2.73658	3.34150	0.010	22.10498	20.00000	Averaged	<-
71 T-Butyl Benzene	2.33736	2.75238	0.010	17.75592	20.00000	Averaged	
72 1,2,4-Trimethylbenzene	2.68961	3.21839	0.010	19.65987	20.00000	Averaged	
73 S-Butyl Benzene	3.84536	4.39335	0.010	14.25055	20.00000	Averaged	
74 4-Isopropyl Toluene	2.63853	3.31919	0.010	25.79668	20.00000	Averaged	<-
75 1,3-Dichlorobenzene	1.60301	1.84909	0.010	15.35072	20.00000	Averaged	
77 1,4-Dichlorobenzene	1.60408	1.83057	0.010	14.11969	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i Injection Date: 10-AUG-2010 10:38
Lab File ID: 0500810A.d Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 17:18 20:28
Lab Sample ID: CC0810 Quant Type: ISTD
Method: /chem1/finn5.i/10AUG10.b/s8260b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 N-Butyl Benzene	2.84923	3.71434	0.010	30.36306	20.00000	Averaged	<-
$ 79 d4-1,2-Dichlorobenzene	0.90947	0.90456	0.010	-0.53977	20.00000	Averaged	
80 1,2-Dichlorobenzene	1.52349	1.65152	0.010	8.40341	20.00000	Averaged	
81 1,2-Dibromo 3-Chloropropane	0.16826	0.16195	0.010	-3.74745	20.00000	Averaged	
82 1,2,4-Trichlorobenzene	0.92710	1.07566	0.010	16.02393	20.00000	Averaged	
83 Hexachloro 1,3-Butadiene	0.62441	0.66937	0.010	7.20047	20.00000	Averaged	
84 Naphthalene	1.68157	1.75382	0.010	4.29669	20.00000	Averaged	
85 1,2,3-Trichlorobenzene	0.88636	0.92702	0.010	4.58772	20.00000	Averaged	

Data File: /chem1/finn5.i/10AUG10.b/0500810A.d

Date : 10-AUG-2010 10:38

Client ID: VSTD050

Sample Info: CC0810,5,5,0

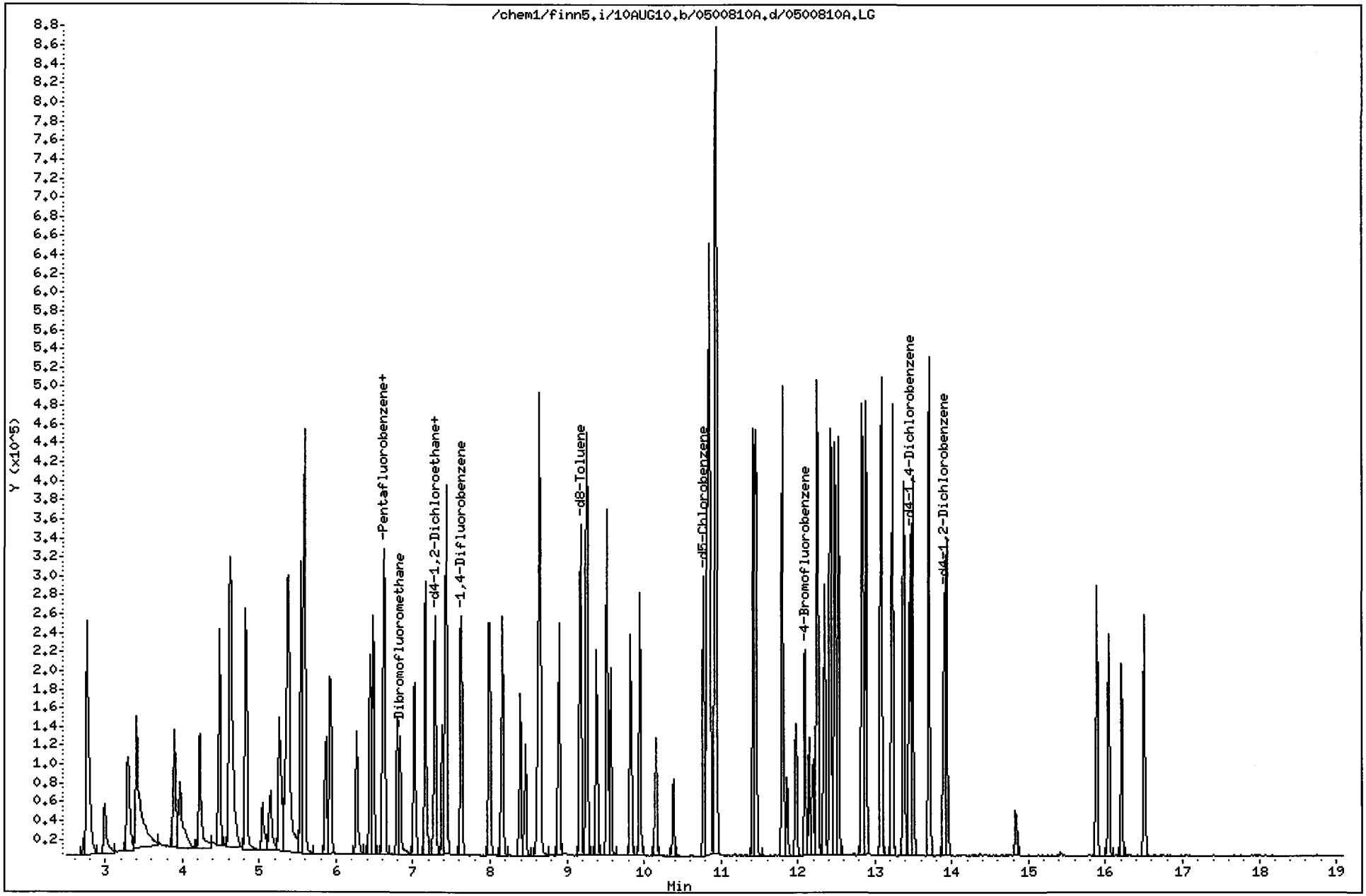
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18

RG91 : 66513



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/LCS0810.d
Lab Smp Id: LCS0810 Client Smp ID: LCS0810
Inj Date : 10-AUG-2010 11:12
Operator : PB Inst ID: finn5.i
Smp Info : LCS0810,5,5,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:08 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	2.995	(0.455)	64342	43.5404	43.540
2 Chloromethane	50	3.316	3.296	(0.500)	168769	42.4475	42.448
3 Vinyl Chloride	62	3.427	3.407	(0.517)	150417	47.8410	47.841
4 Bromomethane	94	3.919	3.899	(0.591)	110128	64.4973	64.497
5 Chloroethane	64	3.990	3.970	(0.602)	101040	49.2096	49.210
6 Trichlorofluoromethane	101	4.251	4.231	(0.641)	153087	50.3786	50.378
7 Acrolein	56	4.633	4.613	(0.698)	97944	258.390	258.39
8 112Trichloro122Trifluoroethane	101	4.653	4.623	(0.702)	117468	49.3771	49.377
9 Acetone	43	4.683	4.663	(0.706)	171039	268.182	268.18
10 1,1-Dichloroethene	96	4.844	4.824	(0.730)	109289	50.6250	50.625
11 Bromoethane	108	5.065	5.045	(0.764)	80282	50.2175	50.218
12 Iodomethane	142	5.166	5.146	(0.779)	142800	55.9464	55.946
13 Methylene Chloride	84	5.276	5.266	(0.795)	107768	44.3346	44.334
14 Acrylonitrile	53	5.367	5.347	(0.809)	32991	58.5887	58.589(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.407	5.387	(0.815)	155096	46.7184	46.718 (Q)
	15 Carbon Disulfide	76	5.387	5.367	(0.812)	363482	54.2880	54.288
	17 Trans-1,2-Dichloroethene	96	5.568	5.548	(0.839)	94021	51.1051	51.105
	18 Vinyl Acetate	43	5.889	5.869	(0.888)	183716	57.0153	57.015
	19 1,1-Dichloroethane	63	5.950	5.919	(0.897)	176001	52.0017	52.002
	20 2-Butanone	43	6.291	6.271	(0.948)	204819	285.412	285.41
	21 2,2-Dichloropropane	77	6.462	6.442	(0.974)	94841	45.7946	45.795
	22 Cis-1,2-Dichloroethene	96	6.502	6.482	(0.980)	85027	52.4369	52.437
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	113963	50.0000	
	24 Chloroform	83	6.653	6.633	(1.003)	136615	49.6932	49.693
	26 Bromochloromethane	128	6.814	6.794	(1.027)	39559	51.3846	51.385
$	25 Dibromofluoromethane	111	6.854	6.834	(1.033)	69725	51.3335	51.334 (Q)
	27 1,1,1-Trichloroethane	97	7.045	7.025	(1.062)	98466	46.0499	46.050
	29 1,1-Dichloropropene	75	7.186	7.166	(0.940)	114851	49.5109	49.511
	30 Carbon Tetrachloride	117	7.296	7.276	(0.954)	91523	45.3714	45.371
$	31 d4-1,2-Dichloroethane	65	7.316	7.296	(1.103)	79635	53.5811	53.581
	32 1,2-Dichloroethane	62	7.407	7.377	(0.968)	100418	49.3110	49.311
	33 Benzene	78	7.447	7.427	(0.974)	280556	50.0160	50.016
*	34 1,4-Difluorobenzene	114	7.648	7.618	(1.000)	170822	50.0000	
	35 Trichloroethene	95	8.020	8.000	(1.049)	79578	48.4212	48.421
	36 1,2-Dichloropropane	63	8.181	8.161	(1.070)	83113	47.0039	47.004
	37 Bromodichloromethane	83	8.412	8.392	(1.100)	91360	48.3258	48.326
	39 Dibromomethane	93	8.482	8.462	(1.109)	43774	49.8709	49.871
	40 2-Chloroethyl Vinyl Ether	63	8.633	8.613	(1.129)	34860	56.2949	56.295 (Q)
	41 4-Methyl-2-Pentanone	58	8.663	8.643	(1.133)	117093	259.303	259.30
	42 Cis 1,3-dichloropropene	75	8.914	8.894	(1.166)	105152	50.9447	50.945
$	43 d8-Toluene	98	9.196	9.176	(1.202)	192194	51.2049	51.205
	44 Toluene	92	9.276	9.256	(1.213)	157738	47.3959	47.396
	45 Trans 1,3-Dichloropropene	75	9.407	9.387	(1.230)	86370	49.7828	49.783
	46 2-Hexanone	43	9.537	9.517	(0.884)	284412	237.053	237.05
	47 1,1,2-Trichloroethane	97	9.588	9.568	(1.254)	52263	50.4423	50.442
	48 1,3-Dichloropropane	76	9.849	9.829	(0.912)	100608	48.7031	48.703
	49 Tetrachloroethene	166	9.970	9.949	(0.924)	70655	43.3295	43.329
	50 Chlorodibromomethane	129	10.171	10.150	(0.942)	63658	45.8082	45.808
	51 1,2-Dibromoethane	107	10.402	10.382	(1.360)	55317	49.8445	49.844
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	146772	50.0000	
	53 Chlorobenzene	112	10.834	10.814	(1.004)	159696	46.3892	46.389
	54 Ethyl Benzene	91	10.864	10.854	(1.007)	289400	49.7119	49.712
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.844	(1.007)	53746	40.7926	40.792
	56 m,p-xylene	106	10.944	10.934	(1.014)	223430	105.006	105.01
	57 o-Xylene	106	11.437	11.417	(1.060)	110179	49.8228	49.823
	58 Styrene	104	11.467	11.447	(1.062)	182034	53.2377	53.238
	59 Isopropyl Benzene	105	11.819	11.799	(0.877)	288073	53.0018	53.002
	60 Bromoform	173	11.879	11.859	(0.881)	40208	46.0109	46.011
	61 1,1,2,2-Tetrachloroethane	83	12.000	11.980	(0.890)	74485	47.4357	47.436
$	62 4-Bromofluorobenzene	95	12.120	12.100	(1.123)	84603	49.2529	49.253
	63 1,2,3-Trichloropropane	110	12.171	12.150	(0.903)	15140	48.6695	48.670 (Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.221	12.201	(0.907)	27118	56.1902	56.190
	66 N-Propyl Benzene	91	12.271	12.251	(0.910)	360053	51.3164	51.316
	67 Bromobenzene	156	12.361	12.341	(0.917)	71681	47.3088	47.309
	68 1,3,5-Trimethyl Benzene	105	12.442	12.422	(0.923)	245019	55.5351	55.535
	69 2-Chloro Toluene	91	12.502	12.482	(0.928)	226268	49.0795	49.079
	70 4-Chloro Toluene	91	12.552	12.532	(0.931)	248079	56.1373	56.137
	71 T-Butyl Benzene	119	12.854	12.834	(0.954)	208379	55.2075	55.208
	72 1,2,4-Trimethylbenzene	105	12.904	12.884	(0.957)	244388	56.2679	56.268
	73 S-Butyl Benzene	105	13.105	13.085	(0.972)	330803	53.2725	53.272
	74 4-Isopropyl Toluene	119	13.246	13.226	(0.983)	249945	58.6614	58.661
	75 1,3-Dichlorobenzene	146	13.397	13.377	(0.994)	139293	53.8100	53.810
*	76 d4-1,4-Dichlorobenzene	152	13.477	13.457	(1.000)	80742	50.0000	
	77 1,4-Dichlorobenzene	146	13.517	13.497	(1.003)	137054	52.9097	52.910
	78 N-Butyl Benzene	91	13.728	13.708	(1.019)	278627	60.5573	60.557
$	79 d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.033)	73916	50.3295	50.329
	80 1,2-Dichlorobenzene	146	13.949	13.929	(1.035)	125037	50.8240	50.824
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.834	(1.102)	12933	47.5989	47.599
	82 1,2,4-Trichlorobenzene	180	15.899	15.879	(1.180)	80090	53.4961	53.496
	83 Hexachloro 1,3-Butadiene	225	16.060	16.040	(1.192)	51907	51.4784	51.478
	84 Naphthalene	128	16.231	16.211	(1.204)	139384	51.3298	51.330
	85 1,2,3-Trichlorobenzene	180	16.522	16.502	(1.226)	71247	49.7769	49.777

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: LCS0810.d
Lab Smp Id: LCS0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: LCS0810
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	113963	-13.08
34 1,4-Difluorobenze	191559	95780	383118	170822	-10.83
52 d5-Chlorobenzene	161199	80600	322398	146772	-8.95
76 d4-1,4-Dichlorobe	88279	44140	176558	80742	-8.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.65	0.40
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.48	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 10AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: LCS0810 Client Smp ID: LCS0810
Level: LOW Operator: PB
Data Type: MS DATA SampleType: LCS
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	43.540	87.08	53-148
2	Chloromethane	50.000	42.448	84.90	64-125
3	Vinyl Chloride	50.000	47.841	95.68	63-137
4	Bromomethane	50.000	64.497	128.99	57-136
5	Chloroethane	50.000	49.210	98.42	64-131
6	Trichlorofluoromet	50.000	50.378	100.76	69-132
7	Acrolein	250.00	258.39	103.36	54-137
8	112Trichloro122Tri	50.000	49.377	98.75	74-130
9	Acetone	250.00	268.18	107.27	60-131
10	1,1-Dichloroethene	50.000	50.625	101.25	75-126
11	Bromoethane	50.000	50.218	100.44	76-126
12	Iodomethane	50.000	55.946	111.89	65-139
13	Methylene Chloride	50.000	44.334	88.67	70-123
15	Carbon Disulfide	50.000	54.288	108.58	71-129
14	Acrylonitrile	50.000	58.589	117.18	67-125
16	Methyl tert-Butyl	50.000	46.718	93.44	70-120
17	Trans-1,2-Dichloro	50.000	51.105	102.21	80-120
18	Vinyl Acetate	50.000	57.015	114.03	60-136
19	1,1-Dichloroethane	50.000	52.002	104.00	80-120
20	2-Butanone	250.00	285.41	114.16	70-120
21	2,2-Dichloropropan	50.000	45.795	91.59	74-123
22	Cis-1,2-Dichloroet	50.000	52.437	104.87	80-120
24	Chloroform	50.000	49.693	99.39	80-120
26	Bromochloromethane	50.000	51.385	102.77	80-120
27	1,1,1-Trichloroeth	50.000	46.050	92.10	77-121
29	1,1-Dichloropropen	50.000	49.511	99.02	80-120
30	Carbon Tetrachlori	50.000	45.371	90.74	77-122
32	1,2-Dichloroethane	50.000	49.311	98.62	76-120
33	Benzene	50.000	50.016	100.03	80-120
35	Trichloroethene	50.000	48.421	96.84	80-120
36	1,2-Dichloropropan	50.000	47.004	94.01	80-120
37	Bromodichlorometha	50.000	48.326	96.65	77-121
39	Dibromomethane	50.000	49.871	99.74	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	56.295	112.59	10-191
41 4-Methyl-2-Pentano	250.00	259.30	103.72	67-120
42 Cis 1,3-dichloropr	50.000	50.945	101.89	74-120
44 Toluene	50.000	47.396	94.79	80-120
45 Trans 1,3-Dichloro	50.000	49.783	99.57	65-120
46 2-Hexanone	250.00	237.05	94.82	65-130
47 1,1,2-Trichloroeth	50.000	50.442	100.88	80-120
48 1,3-Dichloropropan	50.000	48.703	97.41	80-120
49 Tetrachloroethene	50.000	43.329	86.66	80-121
50 Chlorodibromometha	50.000	45.808	91.62	64-120
51 1,2-Dibromoethane	50.000	49.844	99.69	75-120
53 Chlorobenzene	50.000	46.389	92.78	80-120
55 1,1,1,2-Tetrachlor	50.000	40.792	81.59	69-121
54 Ethyl Benzene	50.000	49.712	99.42	80-127
56 m,p-xylene	100.00	105.01	105.01	80-125
57 o-Xylene	50.000	49.823	99.65	78-120
58 Styrene	50.000	53.238	106.48	80-123
59 Isopropyl Benzene	50.000	53.002	106.00	80-127
60 Bromoform	50.000	46.011	92.02	60-120
61 1,1,2,2-Tetrachlor	50.000	47.436	94.87	74-120
63 1,2,3-Trichloropro	50.000	48.670	97.34	72-121
65 Trans-1,4-Dichloro	50.000	56.190	112.38	65-126
66 N-Propyl Benzene	50.000	51.316	102.63	80-132
67 Bromobenzene	50.000	47.309	94.62	80-120
68 1,3,5-Trimethyl Be	50.000	55.535	111.07	80-125
69 2-Chloro Toluene	50.000	49.079	98.16	80-125
70 4-Chloro Toluene	50.000	56.137	112.27	80-127
71 T-Butyl Benzene	50.000	55.208	110.42	87-122
72 1,2,4-Trimethylben	50.000	56.268	112.54	80-126
73 S-Butyl Benzene	50.000	53.272	106.54	80-134
74 4-Isopropyl Toluen	50.000	58.661	117.32	80-131
75 1,3-Dichlorobenzen	50.000	53.810	107.62	80-120
77 1,4-Dichlorobenzen	50.000	52.910	105.82	80-120
78 N-Butyl Benzene	50.000	60.557	121.11	80-138
80 1,2-Dichlorobenzen	50.000	50.824	101.65	80-120
81 1,2-Dibromo 3-Chlo	50.000	47.599	95.20	59-120
82 1,2,4-Trichloroben	50.000	53.496	106.99	78-130
83 Hexachloro 1,3-But	50.000	51.478	102.96	76-129
84 Naphthalene	50.000	51.330	102.66	66-120
85 1,2,3-Trichloroben	50.000	49.777	99.55	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.334	102.67	30-160

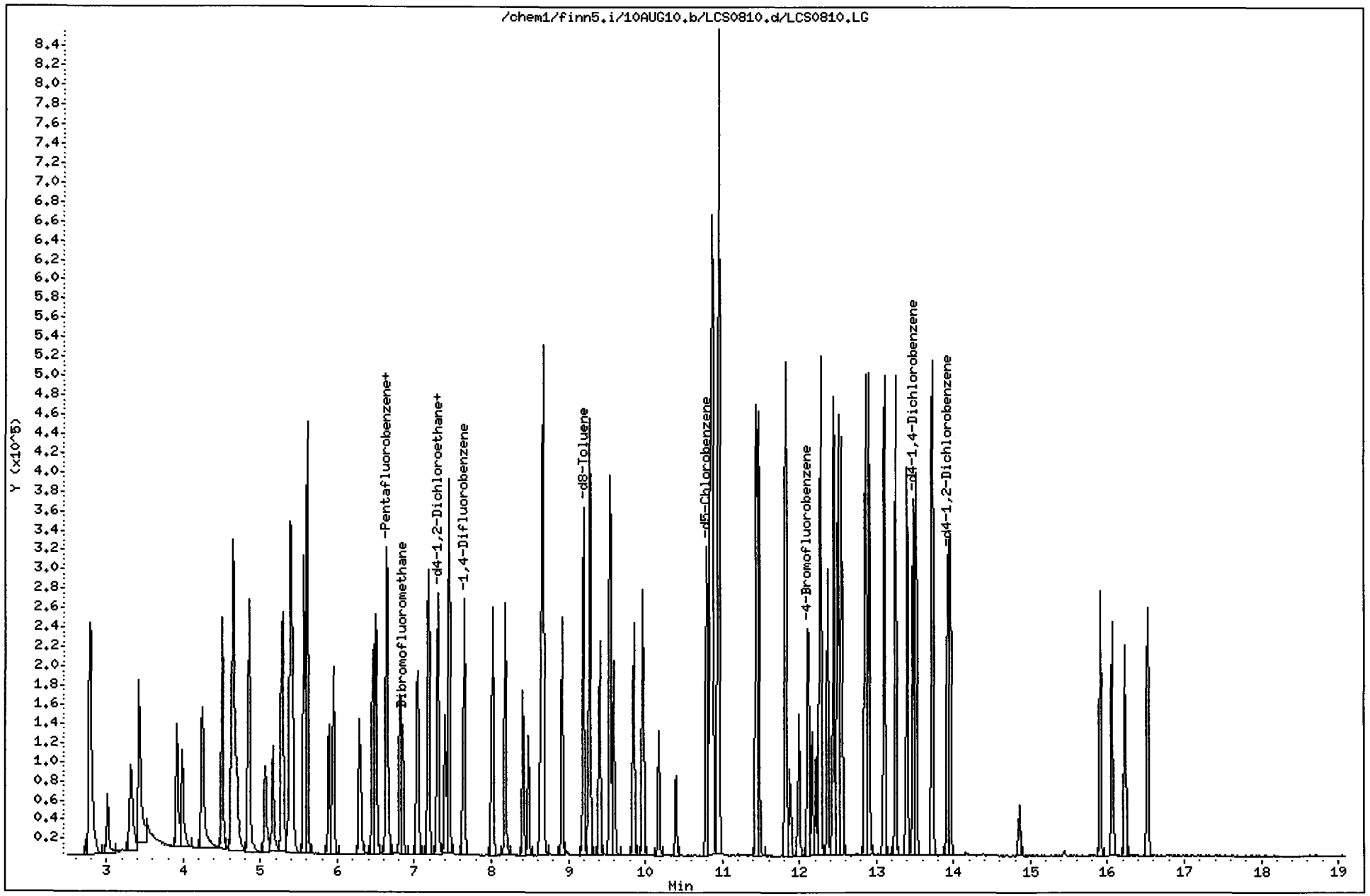
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	53.581	107.16	75-152
$ 43 d8-Toluene	50.000	51.205	102.41	82-115
$ 62 4-Bromofluorobenze	50.000	49.253	98.51	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.329	100.66	80-120

Data File: /chem1/finn5.i/10AUG10.b/LCS0810.d
Date : 10-AUG-2010 11:12
Client ID: LCS0810
Sample Info: LCS0810,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/LCS0810A.d
Lab Smp Id: LCS0810 Client Smp ID: LCS0810
Inj Date : 10-AUG-2010 11:37
Operator : PB Inst ID: finn5.i
Smp Info : LCS0810,5,5,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:08 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	2.995	(0.455)	59457	37.9933	37.993
2 Chloromethane	50	3.316	3.296	(0.500)	162883	38.6850	38.685
3 Vinyl Chloride	62	3.427	3.407	(0.517)	139237	41.8182	41.818
4 Bromomethane	94	3.919	3.899	(0.591)	103166	57.0542	57.054
5 Chloroethane	64	3.980	3.970	(0.600)	94412	43.4201	43.420
6 Trichlorofluoromethane	101	4.251	4.231	(0.641)	145948	45.3537	45.354
7 Acrolein	56	4.633	4.613	(0.698)	102873	256.275	256.28
8 112Trichloro122Trifluoroethane	101	4.643	4.623	(0.700)	110528	43.8718	43.872
9 Acetone	43	4.683	4.663	(0.706)	185274	274.319	274.32
10 1,1-Dichloroethene	96	4.844	4.824	(0.730)	104667	45.7831	45.783
11 Bromoethane	108	5.065	5.045	(0.764)	79532	46.9771	46.977
12 Iodomethane	142	5.166	5.146	(0.779)	144377	53.4132	53.413
13 Methylene Chloride	84	5.276	5.266	(0.795)	107119	41.6127	41.613
14 Acrylonitrile	53	5.367	5.347	(0.809)	35437	59.4268	59.427(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.407	5.387	(0.815)	160779	45.7324	45.732(Q)
	15 Carbon Disulfide	76	5.377	5.367	(0.811)	348805	49.1939	49.194
	17 Trans-1,2-Dichloroethene	96	5.558	5.548	(0.838)	89450	45.9120	45.912
	18 Vinyl Acetate	43	5.889	5.869	(0.888)	192137	56.3070	56.307
	19 1,1-Dichloroethane	63	5.940	5.919	(0.895)	172532	48.1370	48.137
	20 2-Butanone	43	6.281	6.271	(0.947)	218894	288.033	288.03
	21 2,2-Dichloropropane	77	6.462	6.442	(0.974)	90369	41.2045	41.204
	22 Cis-1,2-Dichloroethene	96	6.502	6.482	(0.980)	81945	47.7210	47.721
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	120686	50.0000	
	24 Chloroform	83	6.643	6.633	(1.002)	134577	46.2249	46.225
	26 Bromochloromethane	128	6.814	6.794	(1.027)	39494	48.4424	48.442
$	25 Dibromofluoromethane	111	6.844	6.834	(1.032)	74025	51.4633	51.463(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.025	(1.061)	95264	42.0706	42.070
	29 1,1-Dichloropropene	75	7.186	7.166	(0.941)	107756	44.3432	44.343
	30 Carbon Tetrachloride	117	7.296	7.276	(0.955)	87122	41.2287	41.229
$	31 d4-1,2-Dichloroethane	65	7.316	7.296	(1.103)	84469	53.6675	53.668
	32 1,2-Dichloroethane	62	7.397	7.377	(0.968)	102874	48.2233	48.223
	33 Benzene	78	7.447	7.427	(0.975)	277311	47.1928	47.193
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	178947	50.0000	
	35 Trichloroethene	95	8.010	8.000	(1.049)	74898	43.5043	43.504
	36 1,2-Dichloropropane	63	8.171	8.161	(1.070)	83947	45.3200	45.320
	37 Bromodichloromethane	83	8.412	8.392	(1.101)	90085	45.4878	45.488
	39 Dibromomethane	93	8.482	8.462	(1.111)	44145	48.0100	48.010
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.613	(1.129)	36062	55.5918	55.592(Q)
	41 4-Methyl-2-Pentanone	58	8.663	8.643	(1.134)	122162	258.245	258.24
	42 Cis 1,3-dichloropropene	75	8.914	8.894	(1.167)	104981	48.5525	48.552
$	43 d8-Toluene	98	9.196	9.176	(1.204)	201110	51.1475	51.148
	44 Toluene	92	9.276	9.256	(1.214)	151283	43.3924	43.392
	45 Trans 1,3-Dichloropropene	75	9.407	9.387	(1.232)	86740	47.7261	47.726
	46 2-Hexanone	43	9.537	9.517	(0.884)	297529	248.221	248.22
	47 1,1,2-Trichloroethane	97	9.588	9.568	(1.255)	53729	49.5026	49.503
	48 1,3-Dichloropropane	76	9.849	9.829	(0.912)	101540	49.2008	49.201
	49 Tetrachloroethene	166	9.960	9.949	(0.923)	67148	41.2178	41.218
	50 Chlorodibromomethane	129	10.171	10.150	(0.942)	64117	46.1822	46.182
	51 1,2-Dibromoethane	107	10.392	10.382	(1.361)	55459	47.7035	47.704
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	146633	50.0000	
	53 Chlorobenzene	112	10.834	10.814	(1.004)	152771	44.4197	44.420
	54 Ethyl Benzene	91	10.864	10.854	(1.007)	274940	47.2728	47.273
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.844	(1.007)	51991	39.4980	39.498
	56 m,p-xylene	106	10.944	10.934	(1.014)	212357	99.8969	99.897
	57 o-Xylene	106	11.437	11.417	(1.060)	104428	47.2670	47.267
	58 Styrene	104	11.467	11.447	(1.062)	173270	50.7226	50.723
	59 Isopropyl Benzene	105	11.819	11.799	(0.878)	269609	51.2414	51.241
	60 Bromoform	173	11.879	11.859	(0.882)	40536	47.9168	47.917
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.980	(0.890)	74536	49.0344	49.034
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.122)	85132	49.6078	49.608
	63 1,2,3-Trichloropropane	110	12.160	12.150	(0.903)	15057	49.9998	50.000(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.201	(0.907)	26866	57.5048	57.505
	66 N-Propyl Benzene	91	12.271	12.251	(0.911)	335545	49.4013	49.401
	67 Bromobenzene	156	12.361	12.341	(0.918)	68746	46.8688	46.869
	68 1,3,5-Trimethyl Benzene	105	12.442	12.422	(0.924)	225957	52.9044	52.904
	69 2-Chloro Toluene	91	12.502	12.482	(0.928)	219116	49.0963	49.096
	70 4-Chloro Toluene	91	12.542	12.532	(0.931)	220944	51.6467	51.647
	71 T-Butyl Benzene	119	12.854	12.834	(0.954)	194750	53.2991	53.299
	72 1,2,4-Trimethylbenzene	105	12.904	12.884	(0.958)	224323	53.3523	53.352
	73 S-Butyl Benzene	105	13.095	13.085	(0.972)	300994	50.0714	50.071
	74 4-Isopropyl Toluene	119	13.246	13.226	(0.984)	224528	54.4348	54.435
	75 1,3-Dichlorobenzene	146	13.397	13.377	(0.995)	129176	51.5482	51.548
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	78163	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.497	(1.003)	127714	50.9308	50.931
	78 N-Butyl Benzene	91	13.718	13.708	(1.019)	242228	54.3833	54.383
$	79 d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.034)	72795	51.2016	51.202
	80 1,2-Dichlorobenzene	146	13.949	13.929	(1.036)	117219	49.2183	49.218
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.834	(1.103)	12457	47.3598	47.360
	82 1,2,4-Trichlorobenzene	180	15.899	15.879	(1.181)	70848	48.8844	48.884
	83 Hexachloro 1,3-Butadiene	225	16.050	16.040	(1.192)	42972	44.0234	44.023
	84 Naphthalene	128	16.221	16.211	(1.204)	131031	49.8458	49.846
	85 1,2,3-Trichlorobenzene	180	16.512	16.502	(1.226)	63956	46.1574	46.157

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: LCS0810A.d
Lab Smp Id: LCS0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: LCS0810
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	120686	-7.95
34 1,4-Difluorobenze	191559	95780	383118	178947	-6.58
52 d5-Chlorobenzene	161199	80600	322398	146633	-9.04
76 d4-1,4-Dichlorobe	88279	44140	176558	78163	-11.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 10AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: LCS0810 Client Smp ID: LCS0810
Level: LOW Operator: PB
Data Type: MS DATA SampleType: LCSD
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	37.993	75.99	53-148
2	Chloromethane	50.000	38.685	77.37	64-125
3	Vinyl Chloride	50.000	41.818	83.64	63-137
4	Bromomethane	50.000	57.054	114.11	57-136
5	Chloroethane	50.000	43.420	86.84	64-131
6	Trichlorofluoromet	50.000	45.354	90.71	69-132
7	Acrolein	250.00	256.28	102.51	54-137
8	112Trichloro122Tri	50.000	43.872	87.74	74-130
9	Acetone	250.00	274.32	109.73	60-131
10	1,1-Dichloroethene	50.000	45.783	91.57	75-126
11	Bromoethane	50.000	46.977	93.95	76-126
12	Iodomethane	50.000	53.413	106.83	65-139
13	Methylene Chloride	50.000	41.613	83.23	70-123
15	Carbon Disulfide	50.000	49.194	98.39	71-129
14	Acrylonitrile	50.000	59.427	118.85	67-125
16	Methyl tert-Butyl	50.000	45.732	91.46	70-120
17	Trans-1,2-Dichloro	50.000	45.912	91.82	80-120
18	Vinyl Acetate	50.000	56.307	112.61	60-136
19	1,1-Dichloroethane	50.000	48.137	96.27	80-120
20	2-Butanone	250.00	288.03	115.21	70-120
21	2,2-Dichloropropan	50.000	41.204	82.41	74-123
22	Cis-1,2-Dichloroet	50.000	47.721	95.44	80-120
24	Chloroform	50.000	46.225	92.45	80-120
26	Bromochloromethane	50.000	48.442	96.88	80-120
27	1,1,1-Trichloroeth	50.000	42.070	84.14	77-121
29	1,1-Dichloropropen	50.000	44.343	88.69	80-120
30	Carbon Tetrachlori	50.000	41.229	82.46	77-122
32	1,2-Dichloroethane	50.000	48.223	96.45	76-120
33	Benzene	50.000	47.193	94.39	80-120
35	Trichloroethene	50.000	43.504	87.01	80-120
36	1,2-Dichloropropan	50.000	45.320	90.64	80-120
37	Bromodichlorometha	50.000	45.488	90.98	77-121
39	Dibromomethane	50.000	48.010	96.02	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	55.592	111.18	10-191
41 4-Methyl-2-Pentano	250.00	258.24	103.30	67-120
42 Cis 1,3-dichloropr	50.000	48.552	97.11	74-120
44 Toluene	50.000	43.392	86.78	80-120
45 Trans 1,3-Dichloro	50.000	47.726	95.45	65-120
46 2-Hexanone	250.00	248.22	99.29	65-130
47 1,1,2-Trichloroeth	50.000	49.503	99.01	80-120
48 1,3-Dichloropropan	50.000	49.201	98.40	80-120
49 Tetrachloroethene	50.000	41.218	82.44	80-121
50 Chlorodibromometha	50.000	46.182	92.36	64-120
51 1,2-Dibromoethane	50.000	47.704	95.41	75-120
53 Chlorobenzene	50.000	44.420	88.84	80-120
55 1,1,1,2-Tetrachlor	50.000	39.498	79.00	69-121
54 Ethyl Benzene	50.000	47.273	94.55	80-127
56 m,p-xylene	100.00	99.897	99.90	80-125
57 o-Xylene	50.000	47.267	94.53	78-120
58 Styrene	50.000	50.723	101.45	80-123
59 Isopropyl Benzene	50.000	51.241	102.48	80-127
60 Bromoform	50.000	47.917	95.83	60-120
61 1,1,2,2-Tetrachlor	50.000	49.034	98.07	74-120
63 1,2,3-Trichloropro	50.000	50.000	100.00	72-121
65 Trans-1,4-Dichloro	50.000	57.505	115.01	65-126
66 N-Propyl Benzene	50.000	49.401	98.80	80-132
67 Bromobenzene	50.000	46.869	93.74	80-120
68 1,3,5-Trimethyl Be	50.000	52.904	105.81	80-125
69 2-Chloro Toluene	50.000	49.096	98.19	80-125
70 4-Chloro Toluene	50.000	51.647	103.29	80-127
71 T-Butyl Benzene	50.000	53.299	106.60	87-122
72 1,2,4-Trimethylben	50.000	53.352	106.70	80-126
73 S-Butyl Benzene	50.000	50.071	100.14	80-134
74 4-Isopropyl Toluen	50.000	54.435	108.87	80-131
75 1,3-Dichlorobenzen	50.000	51.548	103.10	80-120
77 1,4-Dichlorobenzen	50.000	50.931	101.86	80-120
78 N-Butyl Benzene	50.000	54.383	108.77	80-138
80 1,2-Dichlorobenzen	50.000	49.218	98.44	80-120
81 1,2-Dibromo 3-Chlo	50.000	47.360	94.72	59-120
82 1,2,4-Trichloroben	50.000	48.884	97.77	78-130
83 Hexachloro 1,3-But	50.000	44.023	88.05	76-129
84 Naphthalene	50.000	49.846	99.69	66-120
85 1,2,3-Trichloroben	50.000	46.157	92.31	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.463	102.93	30-160

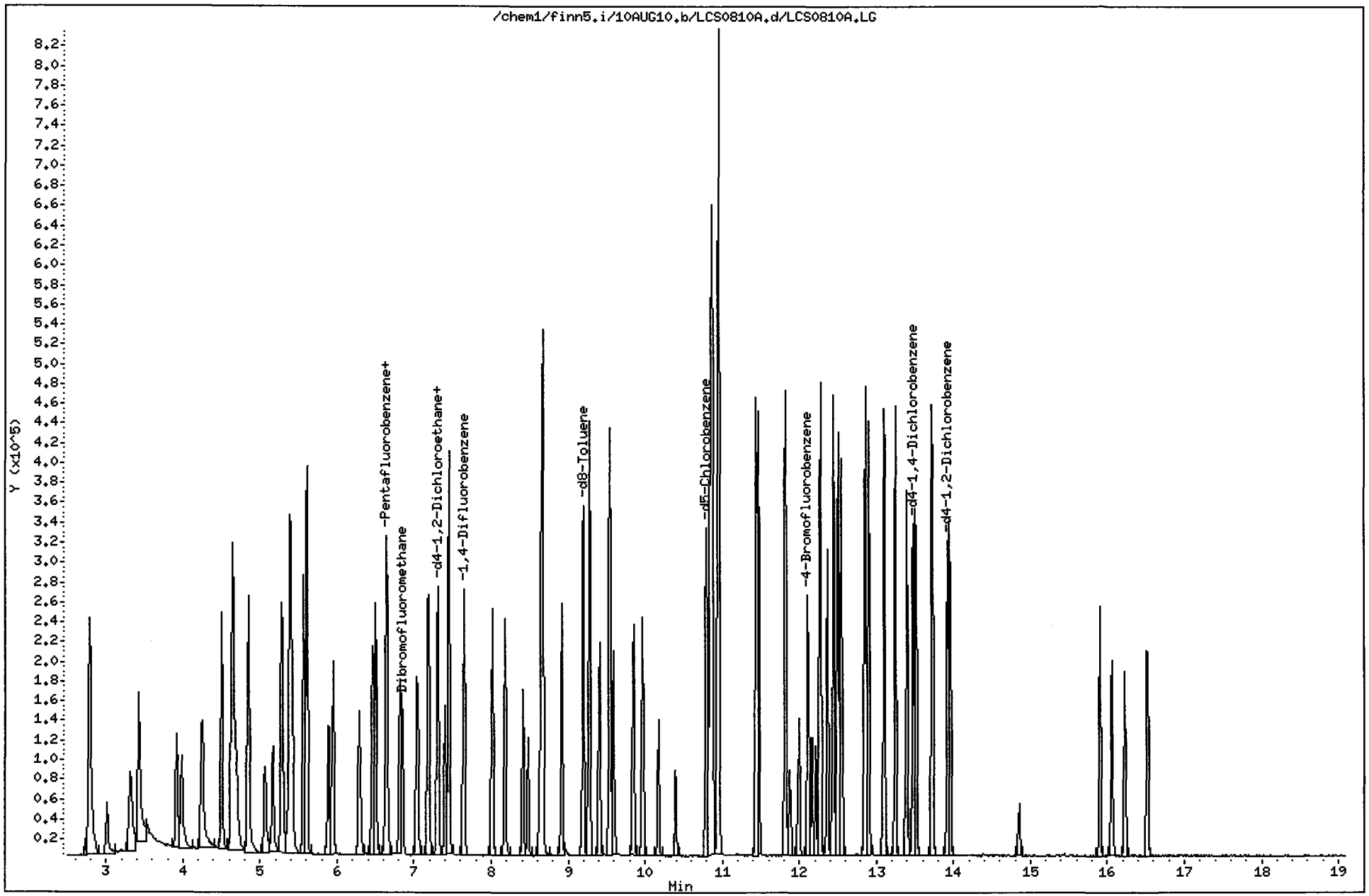
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	53.668	107.34	75-152
$ 43 d8-Toluene	50.000	51.148	102.30	82-115
$ 62 4-Bromofluorobenze	50.000	49.608	99.22	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.202	102.40	80-120

Data File: /chem1/finn5.i/10AUG10.b/LCS0810A.d
Date : 10-AUG-2010 11:37
Client ID: LCS0810
Sample Info: LCS0810,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RG94-006529

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/MB0810.d
Lab Smp Id: MB0810 Client Smp ID: MB0810
Inj Date : 10-AUG-2010 12:06
Operator : PB Inst ID: finn5.i
Smp Info : MB0810,5,5,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:08 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.707)	2133	3.31880	3.319
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.271	(0.948)	2573	3.55793	3.558
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	114844	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	70037	51.1677	51.168(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	78734	52.5684	52.568
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	162120	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	8.653	8.643	(1.133)	1281	2.98904	2.989(Q)
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	181747	51.0207	51.021
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	136524	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.123)	74341	46.5274	46.527
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
	69 2-Chloro Toluene	91	Compound Not Detected.					
	70 4-Chloro Toluene	91	Compound Not Detected.					
	71 T-Butyl Benzene	119	Compound Not Detected.					
	72 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	73 S-Butyl Benzene	105	Compound Not Detected.					
	74 4-Isopropyl Toluene	119	Compound Not Detected.					
	75 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	66691	50.0000	
	77 1,4-Dichlorobenzene	146	Compound Not Detected.					
	78 N-Butyl Benzene	91	Compound Not Detected.					
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	60675	50.0180	50.018(Q)
	80 1,2-Dichlorobenzene	146	Compound Not Detected.					
	81 1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
	82 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	83 Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
	84 Naphthalene	128	Compound Not Detected.					
	85 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: MB0810.d
Lab Smp Id: MB0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MB0810
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	114844	-12.41
34 1,4-Difluorobenze	191559	95780	383118	162120	-15.37
52 d5-Chlorobenzene	161199	80600	322398	136524	-15.31
76 d4-1,4-Dichlorobe	88279	44140	176558	66691	-24.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 10AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: MB0810 Client Smp ID: MB0810
Level: LOW Operator: PB
Data Type: MS DATA SampleType: BLANK
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

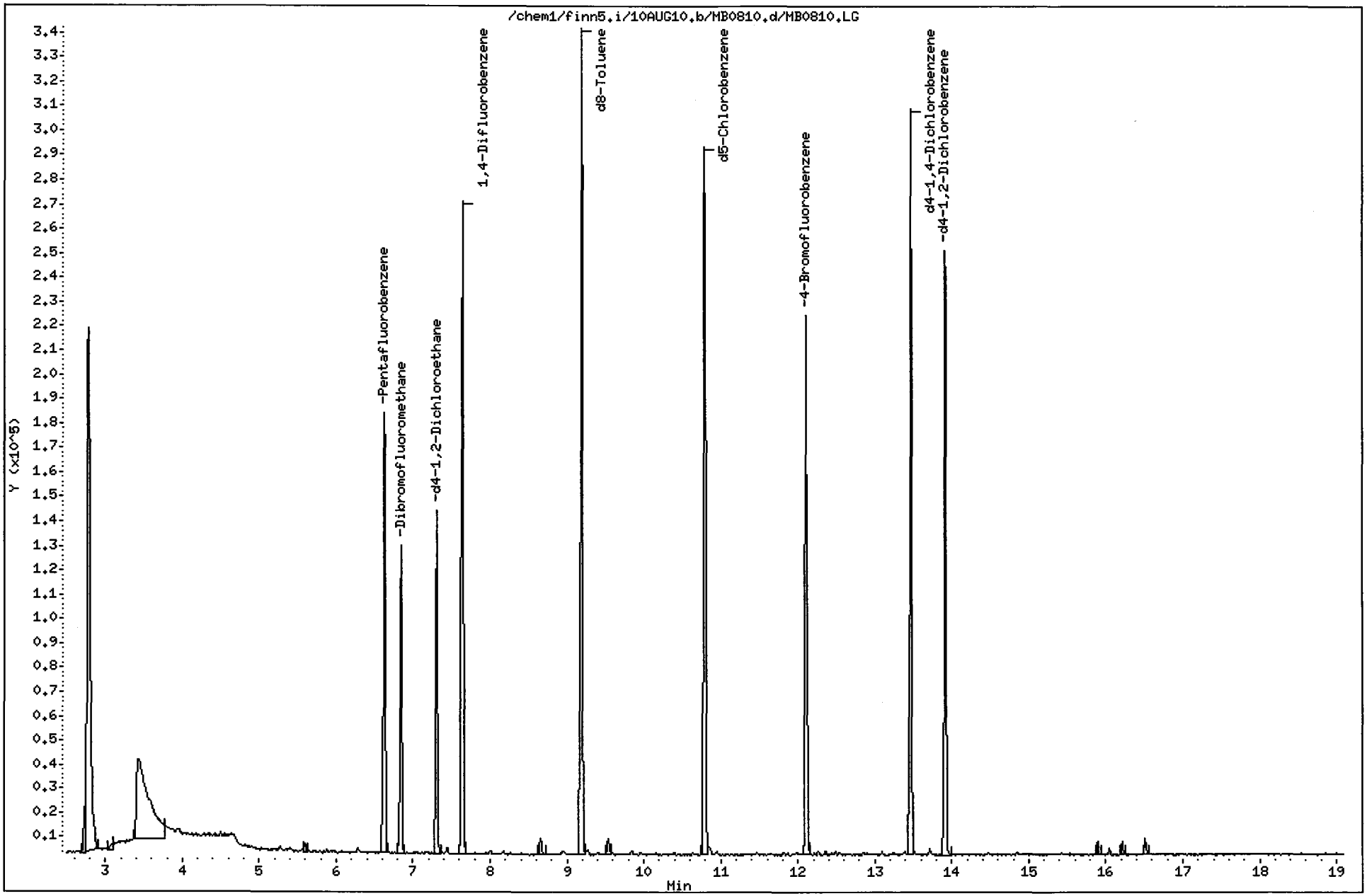
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.168	102.34	30-160
$ 31 d4-1,2-Dichloroeth	50.000	52.568	105.14	75-152
$ 43 d8-Toluene	50.000	51.021	102.04	82-115
$ 62 4-Bromofluorobenze	50.000	46.527	93.05	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.018	100.04	80-120

Data File: /chem1/finn5.i/10AUG10.b/MB0810.d
Date : 10-AUG-2010 12:06
Client ID: MB0810
Sample Info: MB0810,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94B.d
Lab Smp Id: RG94B Client Smp ID: MW14-22.5-24-080210
Inj Date : 10-AUG-2010 14:55
Operator : PB Inst ID: finn5.i
Smp Info : RG94B,5,9.985,0
Misc Info : 10-18595
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	9.98500	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.707)	3816	5.48262	2.745
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	124371	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	78084	52.6768	26.378(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	86582	53.3801	26.730
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	184757	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	206280	50.8126	25.444
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	152814	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.123)	84513	47.2552	23.663
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	73136	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	67571	50.7940	25.435
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94B.d
Lab Smp Id: RG94B
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18595

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW14-22.5-24-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	124371	-5.14
34 1,4-Difluorobenze	191559	95780	383118	184757	-3.55
52 d5-Chlorobenzene	161199	80600	322398	152814	-5.20
76 d4-1,4-Dichlorobe	88279	44140	176558	73136	-17.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94B
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18595

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW14-22.5-24-080210
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

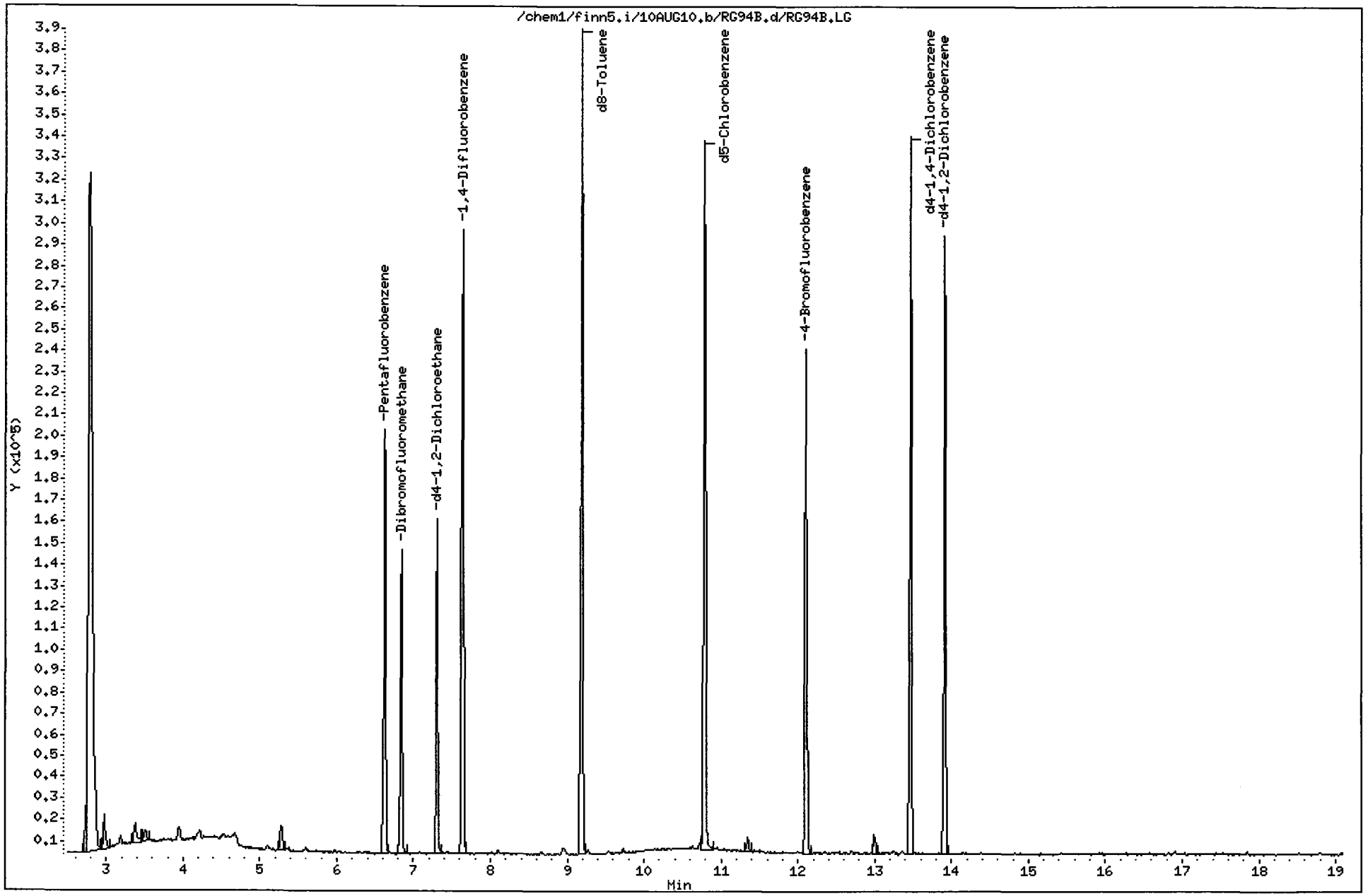
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	52.677	105.35	30-160
$ 31 d4-1,2-Dichloroeth	50.000	53.380	106.76	75-152
$ 43 d8-Toluene	50.000	50.813	101.63	82-115
$ 62 4-Bromofluorobenze	50.000	47.255	94.51	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.794	101.59	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94B.d
Date : 10-AUG-2010 14:55
Client ID: MW14-22.5-24-080210
Sample Info: RG94B,5,9.985,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RG94 : 66511

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94C.d
Lab Smp Id: RG94C Client Smp ID: MW13-10-11.5-080210
Inj Date : 10-AUG-2010 15:22
Operator : PB Inst ID: finn5.i
Smp Info : RG94C,5,10.063,0
Misc Info : 10-18596
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.06300	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.706)	4547	6.30755	3.134
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	128814	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.032)	84923	55.3145	27.484(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.101)	108031	64.3067	31.952
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	189147	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	213963	51.4819	25.580
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	162563	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.122)	91820	48.2619	23.980
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	82845	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.034)	78932	52.3806	26.026
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94C.d
Lab Smp Id: RG94C
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18596

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW13-10-11.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	128814	-1.75
34 1,4-Difluorobenze	191559	95780	383118	189147	-1.26
52 d5-Chlorobenzene	161199	80600	322398	162563	0.85
76 d4-1,4-Dichlorobe	88279	44140	176558	82845	-6.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG94C
Client Smp ID: MW13-10-11.5-080210
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18596

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	55.314	110.63	30-160
$ 31 d4-1,2-Dichloroeth	50.000	64.307	128.61	75-152
$ 43 d8-Toluene	50.000	51.482	102.96	82-115
$ 62 4-Bromofluorobenze	50.000	48.262	96.52	64-120
$ 79 d4-1,2-Dichloroben	50.000	52.380	104.76	80-120

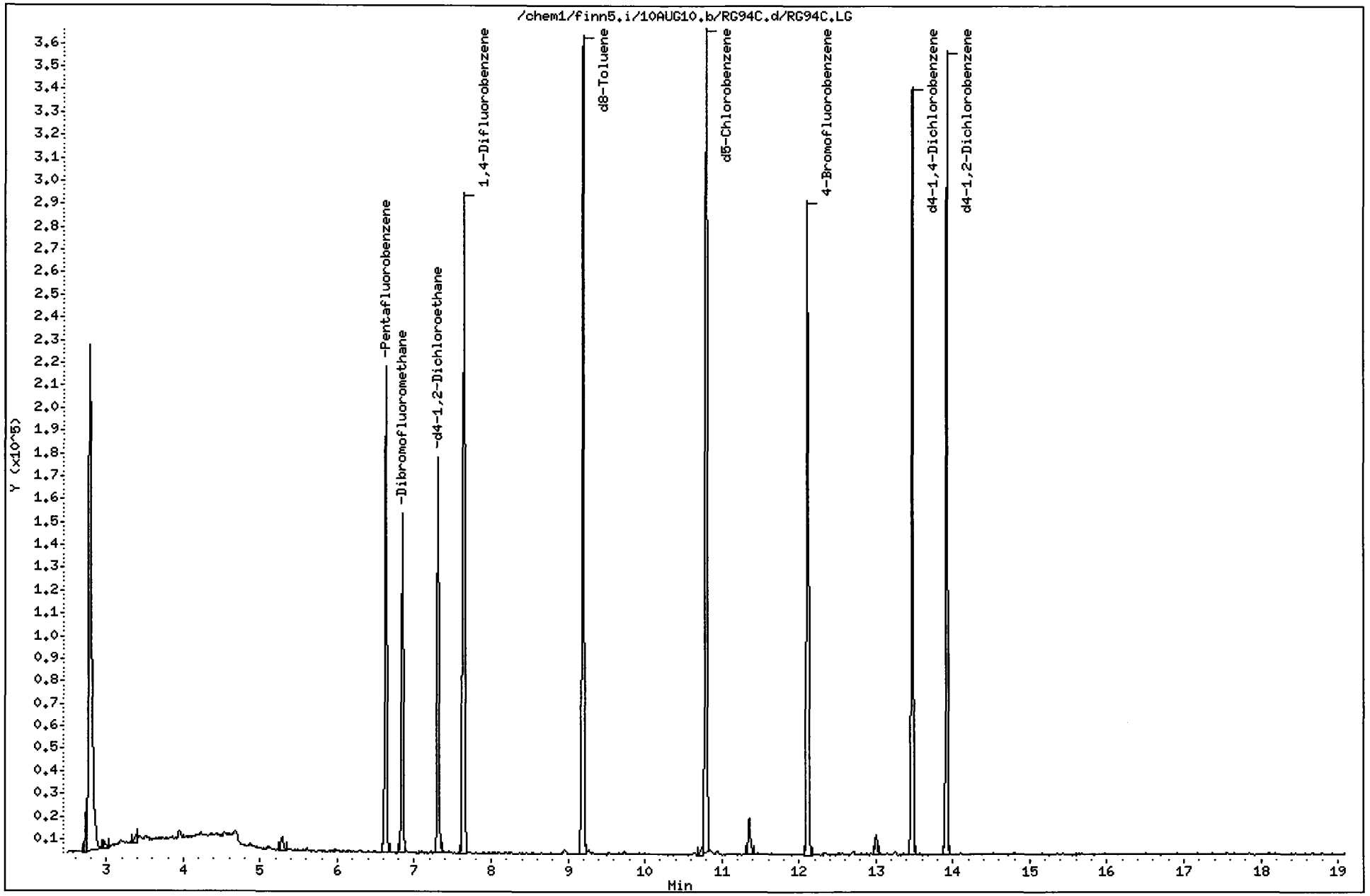
Data File: /chem1/finn5.i/10AUG10.b/RG94C.d
Date : 10-AUG-2010 15:22
Client ID: MW13-10-11.5-080210
Sample Info: RG94C,5,10.063,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

RG94-060517



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94D.d
Lab Smp Id: RG94D Client Smp ID: MW13-14-14.5-080210
Inj Date : 10-AUG-2010 15:48
Operator : PB Inst ID: finn5.i
Smp Info : RG94D,5,11.086,0
Misc Info : 10-18597
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	11.08600	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.663	4.663	(0.705)	5095	7.80119	3.518
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.613	6.613	(1.000)	116703	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.834	6.834	(1.033)	77879	55.9906	25.253(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.103)	94027	61.7791	27.864
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.628	7.618	(1.000)	175855	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.176	9.176	(1.203)	197094	51.0075	23.005
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	149298	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.090	12.100	(1.122)	84223	48.2021	21.740
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	74772	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	69956	51.4363	23.199(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94D.d
Lab Smp Id: RG94D
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18597

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW13-14-14.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	116703	-10.99
34 1,4-Difluorobenze	191559	95780	383118	175855	-8.20
52 d5-Chlorobenzene	161199	80600	322398	149298	-7.38
76 d4-1,4-Dichlorobe	88279	44140	176558	74772	-15.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.61	0.00
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.77	0.00
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.46	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94D
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18597

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW13-14-14.5-080210
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

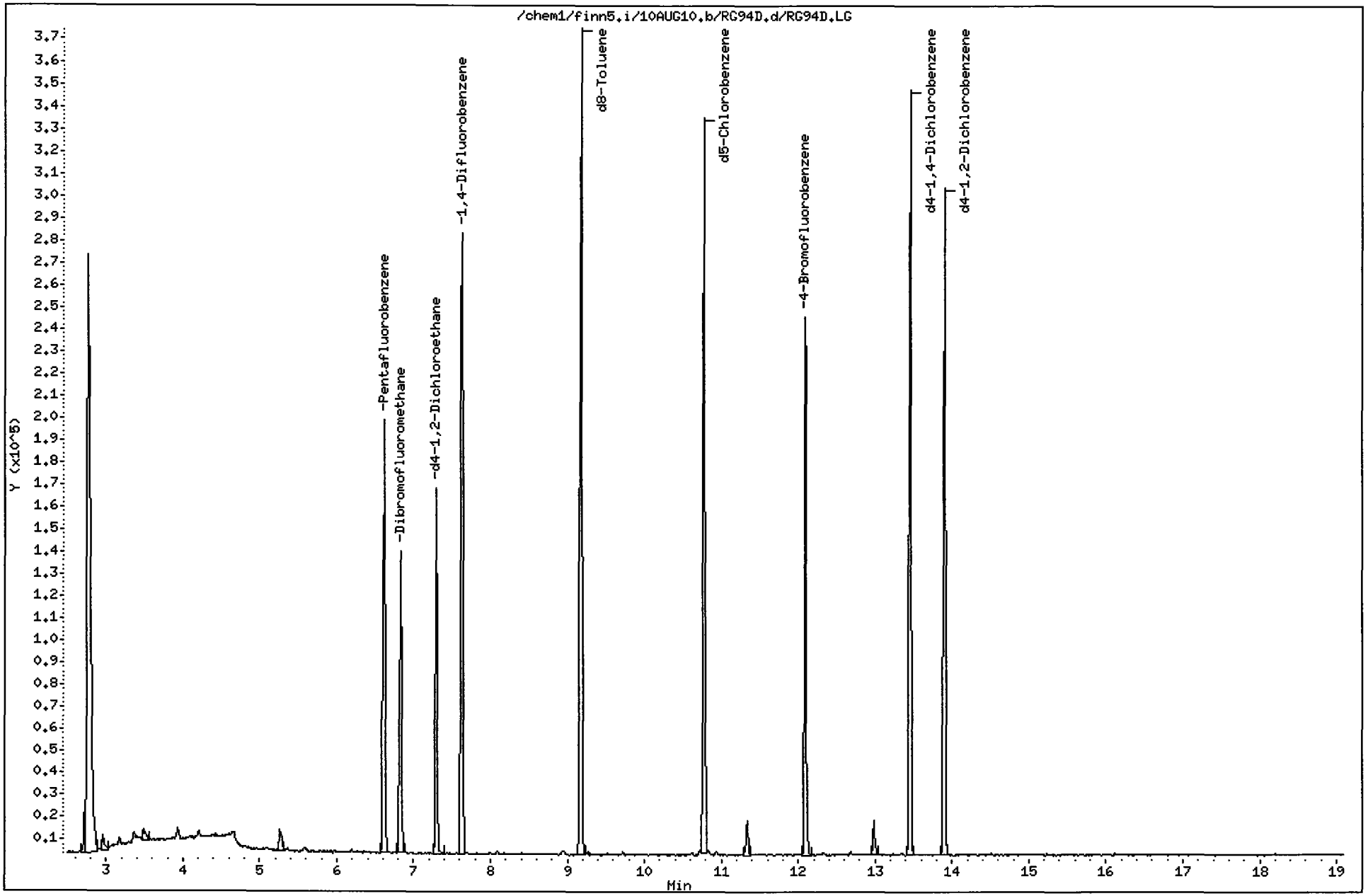
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	55.990	111.98	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.779	123.56	75-152
$ 43 d8-Toluene	50.000	51.008	102.02	82-115
$ 62 4-Bromofluorobenze	50.000	48.202	96.40	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.436	102.87	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94D.d
Date : 10-AUG-2010 15:48
Client ID: MW13-14-14.5-080210
Sample Info: RG94D,5,11.086,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RG94 : 66552

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94E.d
Lab Smp Id: RG94E Client Smp ID: MW13-18.5-19.5-0802
Inj Date : 10-AUG-2010 16:15
Operator : PB Inst ID: finn5.i
Smp Info : RG94E,5,11.062,0
Misc Info : 10-18598
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	11.06200	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.693	4.663	(0.708)	11534	16.8990	7.638(Q)
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	5.387	5.367	(0.812)	3102	0.43292	0.1957 (Q)
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	121960	50.0000	
	24 Chloroform	83	6.653	6.633	(1.003)	1230	0.41807	0.1890 (Q)
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.854	6.834	(1.033)	83285	57.2962	25.898 (Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.316	7.296	(1.103)	98929	62.1981	28.113
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.648	7.618	(1.000)	183448	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.196	9.176	(1.202)	208788	51.7974	23.412
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	157767	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.122)	91177	49.3808	22.320
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.457	(1.000)	80744	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.033)	76120	51.8289	23.426(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94E.d
Lab Smp Id: RG94E
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18598

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW13-18.5-19.5-0802
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	121960	-6.98
34 1,4-Difluorobenze	191559	95780	383118	183448	-4.23
52 d5-Chlorobenzene	161199	80600	322398	157767	-2.13
76 d4-1,4-Dichlorobe	88279	44140	176558	80744	-8.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.65	0.40
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.48	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG94E
Client Smp ID: MW13-18.5-19.5-0802
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18598

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.296	114.59	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.198	124.40	75-152
$ 43 d8-Toluene	50.000	51.797	103.59	82-115
$ 62 4-Bromofluorobenze	50.000	49.381	98.76	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.829	103.66	80-120

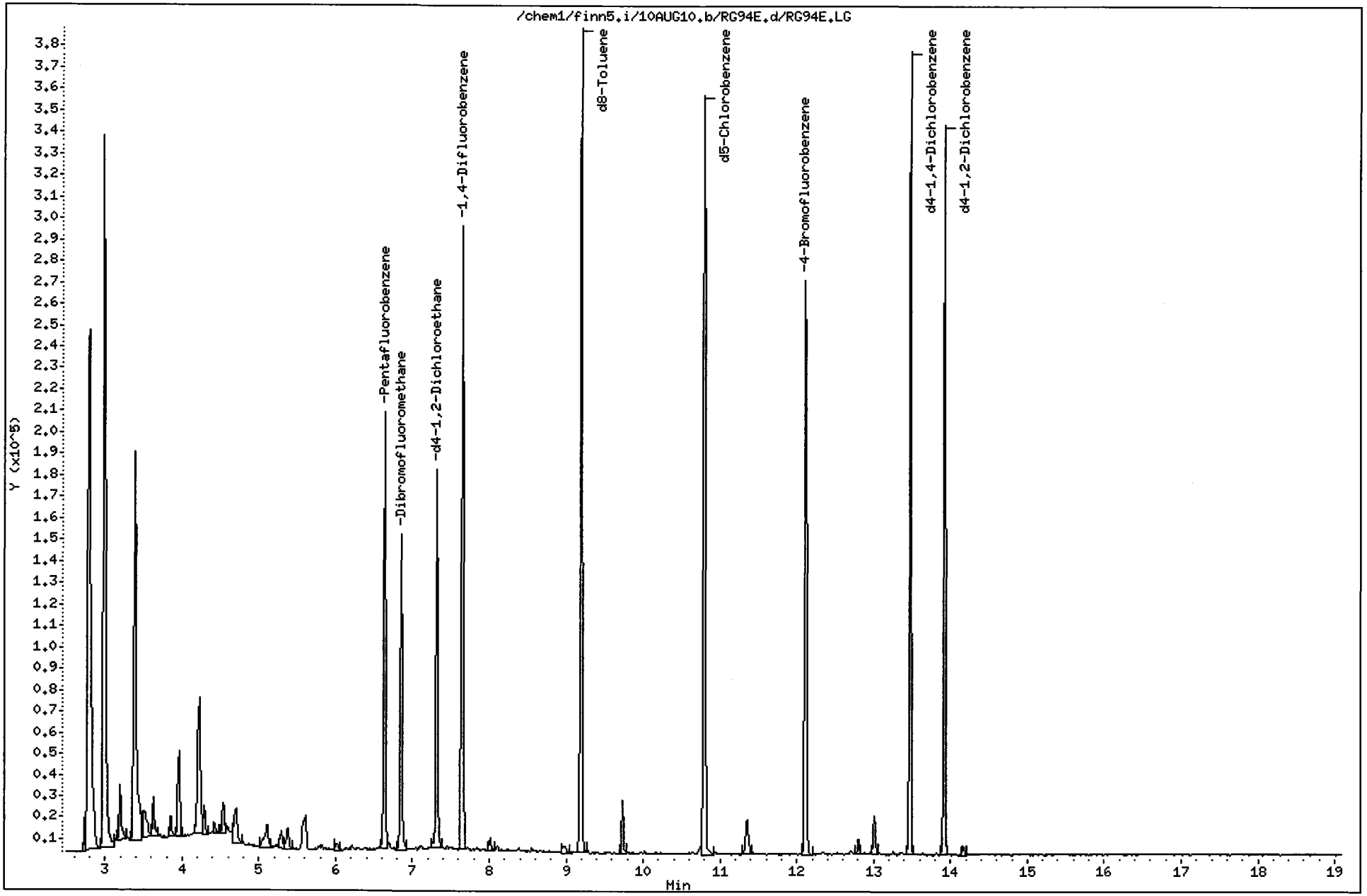
Data File: /chem1/finn5.i/10AUG10.b/RG94E.d
Date : 10-AUG-2010 16:15
Client ID: MW13-18.5-19.5-0802
Sample Info: RG94E,5,11.062,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

RG94E : 65500



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94F.d
Lab Smp Id: RG94F Client Smp ID: MW13-18.5-19.5-0802
Inj Date : 10-AUG-2010 16:41
Operator : PB Inst ID: finn5.i
Smp Info : RG94F,5,10.451,0
Misc Info : 10-18599
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.45100	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.707)	12917	19.8687	9.506(Q)
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/Kg)	(ug/Kg)	
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	5.377	5.367	(0.812)	4669	0.68410	0.3273	
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.271	(0.948)	1587	2.16946	1.038	
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	116169	50.0000		
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	78199	56.4791	27.021(Q)	
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	93229	61.5364	29.440	
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	173753	50.0000		
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	197188	51.6492	24.710	
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	148950	50.0000		
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.123)	82324	47.2253	22.594	
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	72689	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	68232	51.6063	24.690
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94F.d
Lab Smp Id: RG94F
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18599

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW13-18.5-19.5-0802
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	116169	-11.40
34 1,4-Difluorobenze	191559	95780	383118	173753	-9.30
52 d5-Chlorobenzene	161199	80600	322398	148950	-7.60
76 d4-1,4-Dichlorobe	88279	44140	176558	72689	-17.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG94F
Client Smp ID: MW13-18.5-19.5-0802
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18599

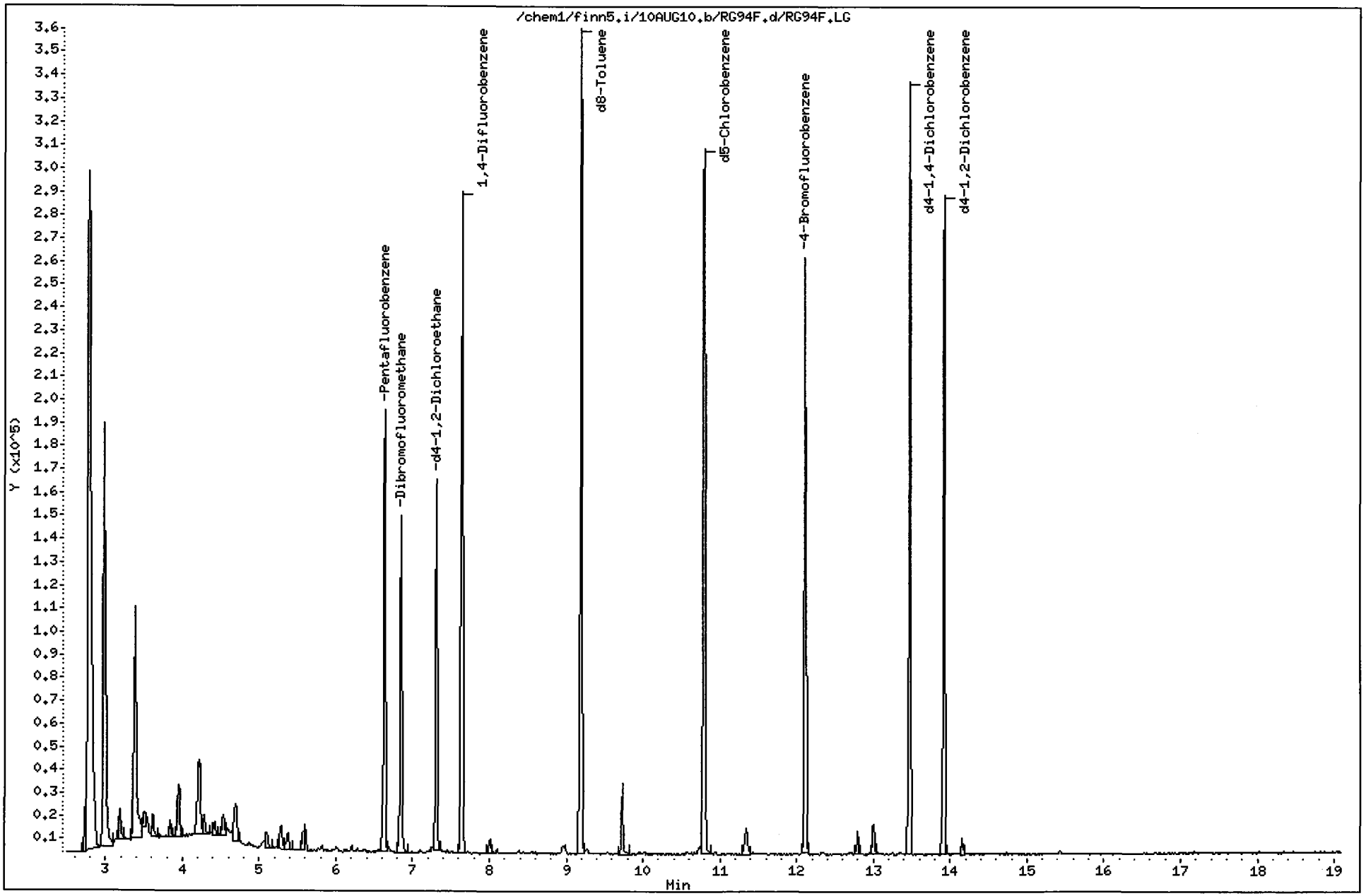
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	56.479	112.96	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.536	123.07	75-152
$ 43 d8-Toluene	50.000	51.649	103.30	82-115
$ 62 4-Bromofluorobenze	50.000	47.225	94.45	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.606	103.21	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94F.d
Date : 10-AUG-2010 16:41
Client ID: MW13-18.5-19.5-0802
Sample Info: RG94F,5,10.451,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94G.d
Lab Smp Id: RG94G Client Smp ID: MW12-5.5-7.5-080210
Inj Date : 10-AUG-2010 17:08
Operator : PB Inst ID: finn5.i
Smp Info : RG94G,5,9.082,0
Misc Info : 10-18600
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	9.08200	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.707)	84647	126.487	69.636
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.271	(0.948)	5984	7.94679	4.375
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	119582	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	79671	55.8999	30.775 (Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	96378	61.7993	34.023
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.447	7.427	(0.975)	6178	1.08770	0.5988
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	172971	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	192748	50.7145	27.920
	44 Toluene	92	9.266	9.256	(1.213)	8183	2.42822	1.337
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	9.960	9.949	(0.924)	2106	1.44162	0.7937
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	131490	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.123)	63349	41.1657	22.663
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	47111	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	40691	47.4853	26.142
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94G.d
Lab Smp Id: RG94G
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18600

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-5.5-7.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	119582	-8.80
34 1,4-Difluorobenze	191559	95780	383118	172971	-9.70
52 d5-Chlorobenzene	161199	80600	322398	131490	-18.43
76 d4-1,4-Dichlorobe	88279	44140	176558	47111	-46.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

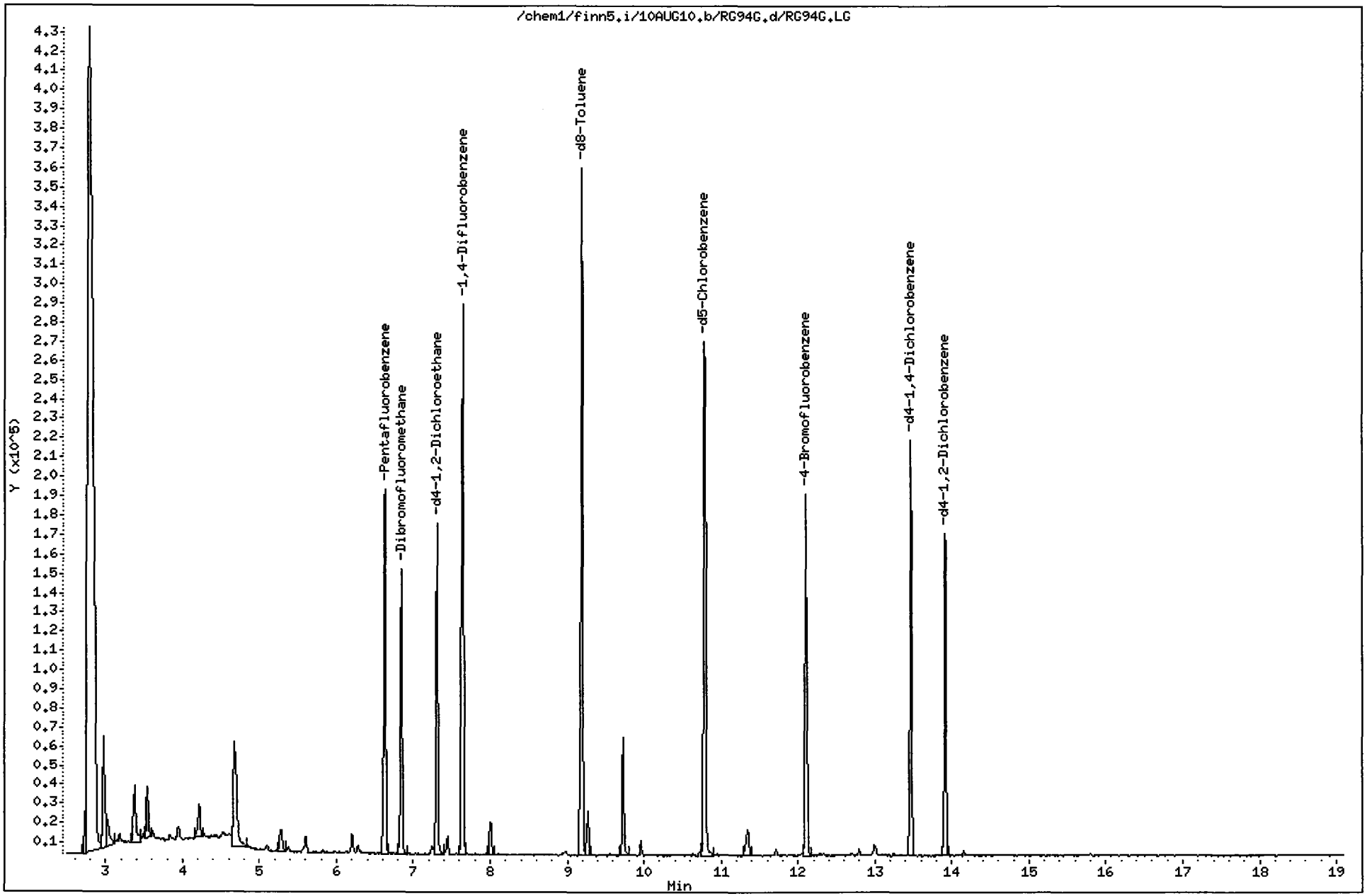
Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94G
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18600

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW12-5.5-7.5-080210
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	55.900	111.80	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.799	123.60	75-152
$ 43 d8-Toluene	50.000	50.714	101.43	82-115
$ 62 4-Bromofluorobenze	50.000	41.166	82.33	64-120
$ 79 d4-1,2-Dichloroben	50.000	47.485	94.97	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94G.d
Date : 10-AUG-2010 17:08
Client ID: MW12-5.5-7.5-080210
Sample Info: RG94G,5,9.082,0

Instrument: finn5.i
Operator: PB
Column phase: Rtx502.2
Column diameter: 0.18



RG94L 080571

Data File: /chem1/finn5.i/10AUG10.b/RG94G.d

Date : 10-AUG-2010 17:08

Client ID: MW12-5.5-7.5-080210

Instrument: finn5.i

Sample Info: RG94G,5,9.082,0

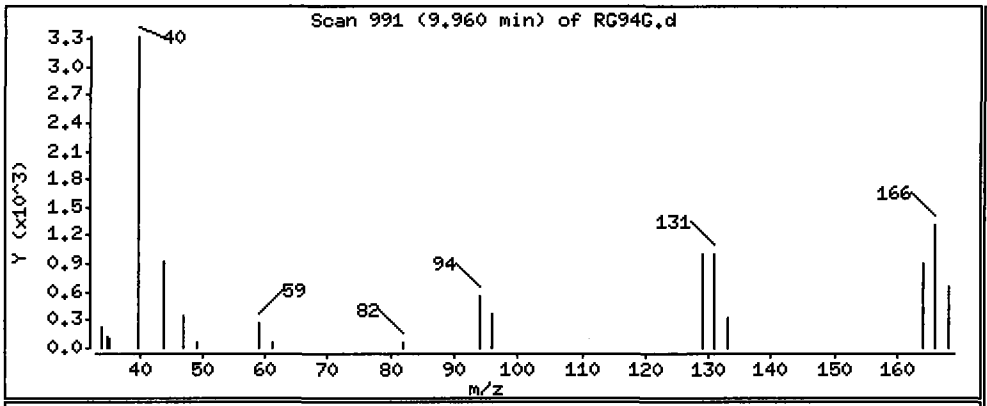
Operator: PB

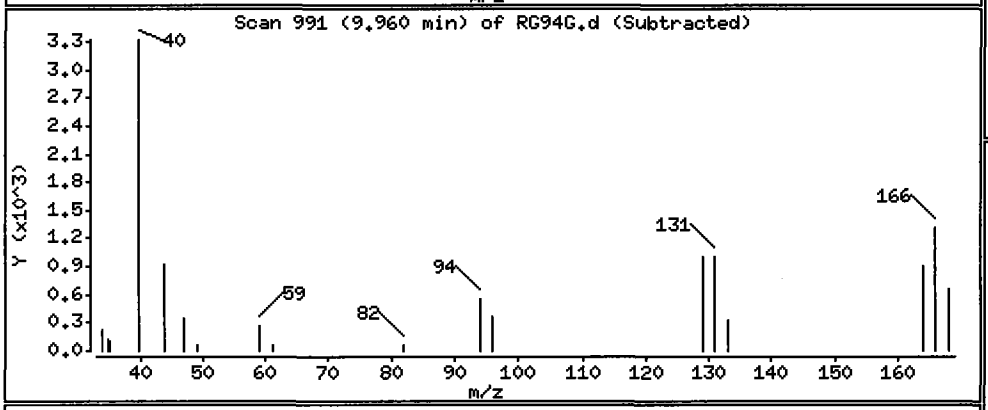
Column phase: Rtx502.2

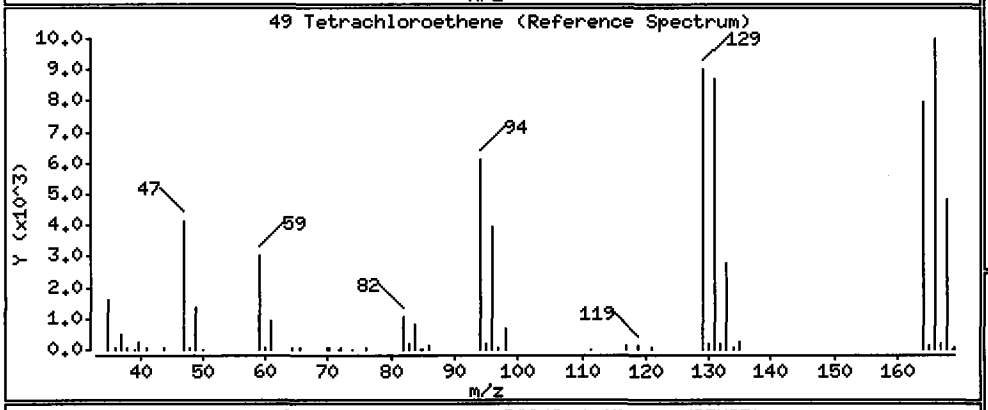
Column diameter: 0.18

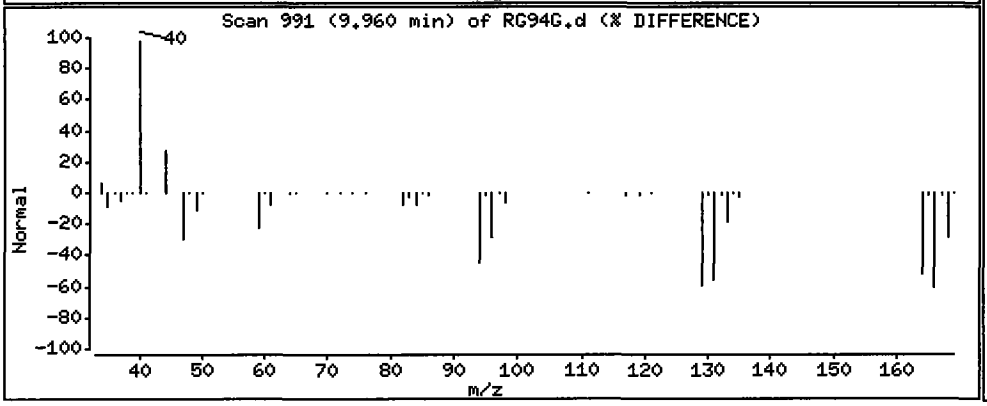
49 Tetrachloroethene

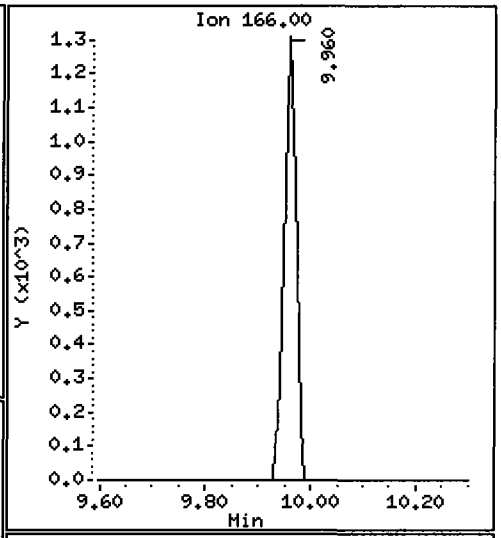
Concentration: 0.7937 ug/Kg

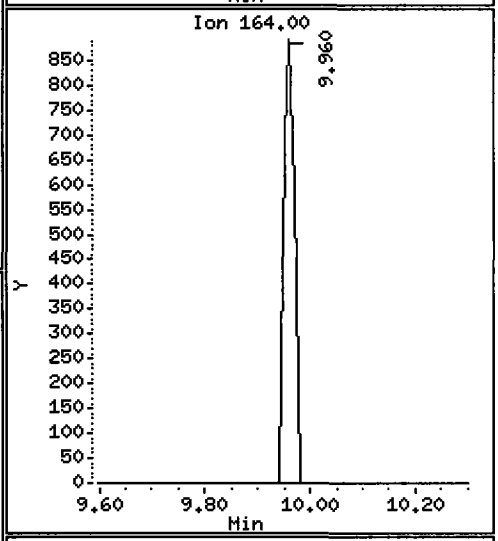


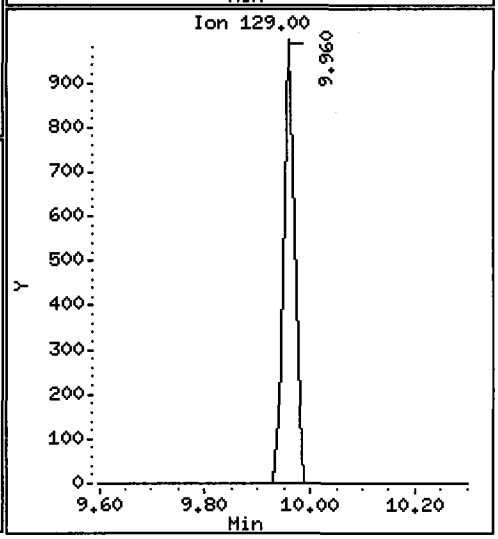












Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94H.d
Lab Smp Id: RG94H Client Smp ID: MW12-8-9.5-080210
Inj Date : 10-AUG-2010 17:34
Operator : PB Inst ID: finn5.i
Smp Info : RG94H,5,11.285,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	11.28500	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.663	(0.706)	7411	10.6380	4.713(Q)
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16	Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15	Carbon Disulfide	76	Compound Not Detected.					
	17	Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18	Vinyl Acetate	43	Compound Not Detected.					
	19	1,1-Dichloroethane	63	Compound Not Detected.					
	20	2-Butanone	43	Compound Not Detected.					
	21	2,2-Dichloropropane	77	Compound Not Detected.					
	22	Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23	Pentafluorobenzene	168	6.623	6.613	(1.000)	124485	50.0000	
	24	Chloroform	83	Compound Not Detected.					
	26	Bromochloromethane	128	Compound Not Detected.					
$	25	Dibromofluoromethane	111	6.834	6.834	(1.032)	84545	56.9833	25.247(Q)
	27	1,1,1-Trichloroethane	97	Compound Not Detected.					
	29	1,1-Dichloropropene	75	Compound Not Detected.					
	30	Carbon Tetrachloride	117	Compound Not Detected.					
$	31	d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	104364	64.2843	28.482
	32	1,2-Dichloroethane	62	Compound Not Detected.					
	33	Benzene	78	Compound Not Detected.					
*	34	1,4-Difluorobenzene	114	7.628	7.618	(1.000)	187779	50.0000	
	35	Trichloroethene	95	Compound Not Detected.					
	36	1,2-Dichloropropane	63	Compound Not Detected.					
	37	Bromodichloromethane	83	Compound Not Detected.					
	39	Dibromomethane	93	Compound Not Detected.					
	40	2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41	4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42	Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43	d8-Toluene	98	9.176	9.176	(1.203)	212622	51.5319	22.832
	44	Toluene	92	Compound Not Detected.					
	45	Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46	2-Hexanone	43	Compound Not Detected.					
	47	1,1,2-Trichloroethane	97	Compound Not Detected.					
	48	1,3-Dichloropropane	76	Compound Not Detected.					
	49	Tetrachloroethene	166	Compound Not Detected.					
	50	Chlorodibromomethane	129	Compound Not Detected.					
	51	1,2-Dibromoethane	107	Compound Not Detected.					
*	52	d5-Chlorobenzene	117	10.784	10.774	(1.000)	162157	50.0000	
	53	Chlorobenzene	112	Compound Not Detected.					
	54	Ethyl Benzene	91	Compound Not Detected.					
	55	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56	m,p-xylene	106	Compound Not Detected.					
	57	o-Xylene	106	Compound Not Detected.					
	58	Styrene	104	Compound Not Detected.					
	59	Isopropyl Benzene	105	Compound Not Detected.					
	60	Bromoform	173	Compound Not Detected.					
	61	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62	4-Bromofluorobenzene	95	12.100	12.100	(1.122)	91086	47.9960	21.265
	63	1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
	69 2-Chloro Toluene	91	Compound Not Detected.					
	70 4-Chloro Toluene	91	Compound Not Detected.					
	71 T-Butyl Benzene	119	Compound Not Detected.					
	72 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	73 S-Butyl Benzene	105	Compound Not Detected.					
	74 4-Isopropyl Toluene	119	Compound Not Detected.					
	75 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	80115	50.0000	
	77 1,4-Dichlorobenzene	146	Compound Not Detected.					
	78 N-Butyl Benzene	91	Compound Not Detected.					
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.034)	76903	52.7731	23.382
	80 1,2-Dichlorobenzene	146	Compound Not Detected.					
	81 1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
	82 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	83 Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
	84 Naphthalene	128	Compound Not Detected.					
	85 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94H.d
Lab Smp Id: RG94H
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-8-9.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	124485	-5.06
34 1,4-Difluorobenze	191559	95780	383118	187779	-1.97
52 d5-Chlorobenzene	161199	80600	322398	162157	0.59
76 d4-1,4-Dichlorobe	88279	44140	176558	80115	-9.25

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.46	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG94H
Client Smp ID: MW12-8-9.5-080210
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	56.983	113.97	30-160
$ 31 d4-1,2-Dichloroeth	50.000	64.284	128.57	75-152
$ 43 d8-Toluene	50.000	51.532	103.06	82-115
$ 62 4-Bromofluorobenze	50.000	47.996	95.99	64-120
$ 79 d4-1,2-Dichloroben	50.000	52.773	105.55	80-120

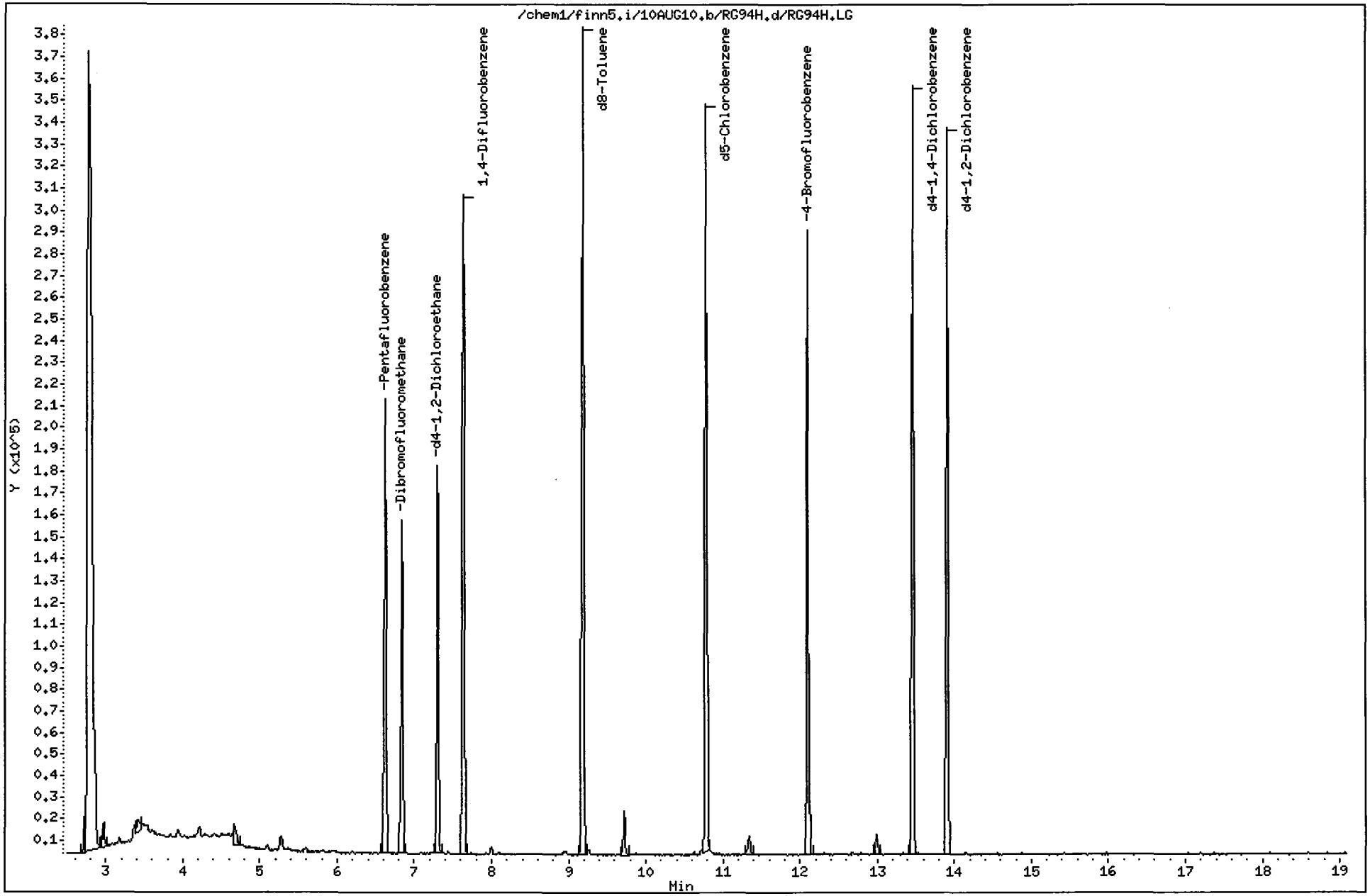
Data File: /chem1/finn5.i/10AUG10.b/RG94H.d
Date : 10-AUG-2010 17:34
Client ID: MW12-8-9.5-080210
Sample Info: RG94H,5,11.285,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

RG94H 06578



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94I.d
Lab Smp Id: RG94I Client Smp ID: MW12-10-11.5-080210
Inj Date : 10-AUG-2010 18:00
Operator : PB Inst ID: finn5.i
Smp Info : RG94I,5,10.082,0
Misc Info : 10-18602
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.08200	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.693	4.663	(0.708)	6616	9.71101	4.816
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.286	5.266	(0.797)	1484	0.57151	0.2834
14 Acrylonitrile	53	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.				
	15 Carbon Disulfide	76	Compound Not Detected.				
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.				
	18 Vinyl Acetate	43	Compound Not Detected.				
	19 1,1-Dichloroethane	63	Compound Not Detected.				
	20 2-Butanone	43	Compound Not Detected.				
	21 2,2-Dichloropropane	77	Compound Not Detected.				
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.				
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	121739	50.0000
	24 Chloroform	83	Compound Not Detected.				
	26 Bromochloromethane	128	Compound Not Detected.				
$	25 Dibromofluoromethane	111	6.854	6.834	(1.033)	82364	56.7655 28.152(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.				
	29 1,1-Dichloropropene	75	Compound Not Detected.				
	30 Carbon Tetrachloride	117	Compound Not Detected.				
$	31 d4-1,2-Dichloroethane	65	7.316	7.296	(1.103)	100370	63.2187 31.352
	32 1,2-Dichloroethane	62	Compound Not Detected.				
	33 Benzene	78	Compound Not Detected.				
*	34 1,4-Difluorobenzene	114	7.648	7.618	(1.000)	184223	50.0000
	35 Trichloroethene	95	Compound Not Detected.				
	36 1,2-Dichloropropane	63	Compound Not Detected.				
	37 Bromodichloromethane	83	Compound Not Detected.				
	39 Dibromomethane	93	Compound Not Detected.				
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.				
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.				
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.				
$	43 d8-Toluene	98	9.196	9.176	(1.202)	210759	52.0664 25.821
	44 Toluene	92	Compound Not Detected.				
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.				
	46 2-Hexanone	43	Compound Not Detected.				
	47 1,1,2-Trichloroethane	97	Compound Not Detected.				
	48 1,3-Dichloropropane	76	Compound Not Detected.				
	49 Tetrachloroethene	166	Compound Not Detected.				
	50 Chlorodibromomethane	129	Compound Not Detected.				
	51 1,2-Dibromoethane	107	Compound Not Detected.				
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	160662	50.0000
	53 Chlorobenzene	112	Compound Not Detected.				
	54 Ethyl Benzene	91	Compound Not Detected.				
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.				
	56 m,p-xylene	106	Compound Not Detected.				
	57 o-Xylene	106	Compound Not Detected.				
	58 Styrene	104	Compound Not Detected.				
	59 Isopropyl Benzene	105	Compound Not Detected.				
	60 Bromoform	173	Compound Not Detected.				
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.				
$	62 4-Bromofluorobenzene	95	12.120	12.100	(1.123)	89780	47.7480 23.680
	63 1,2,3-Trichloropropane	110	Compound Not Detected.				

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.457	(1.000)	79097	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.033)	74568	51.8294	25.704
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94I.d
Lab Smp Id: RG94I
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18602

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-10-11.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	121739	-7.15
34 1,4-Difluorobenze	191559	95780	383118	184223	-3.83
52 d5-Chlorobenzene	161199	80600	322398	160662	-0.33
76 d4-1,4-Dichlorobe	88279	44140	176558	79097	-10.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.65	0.40
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.48	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94I
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18602

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW12-10-11.5-080210
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

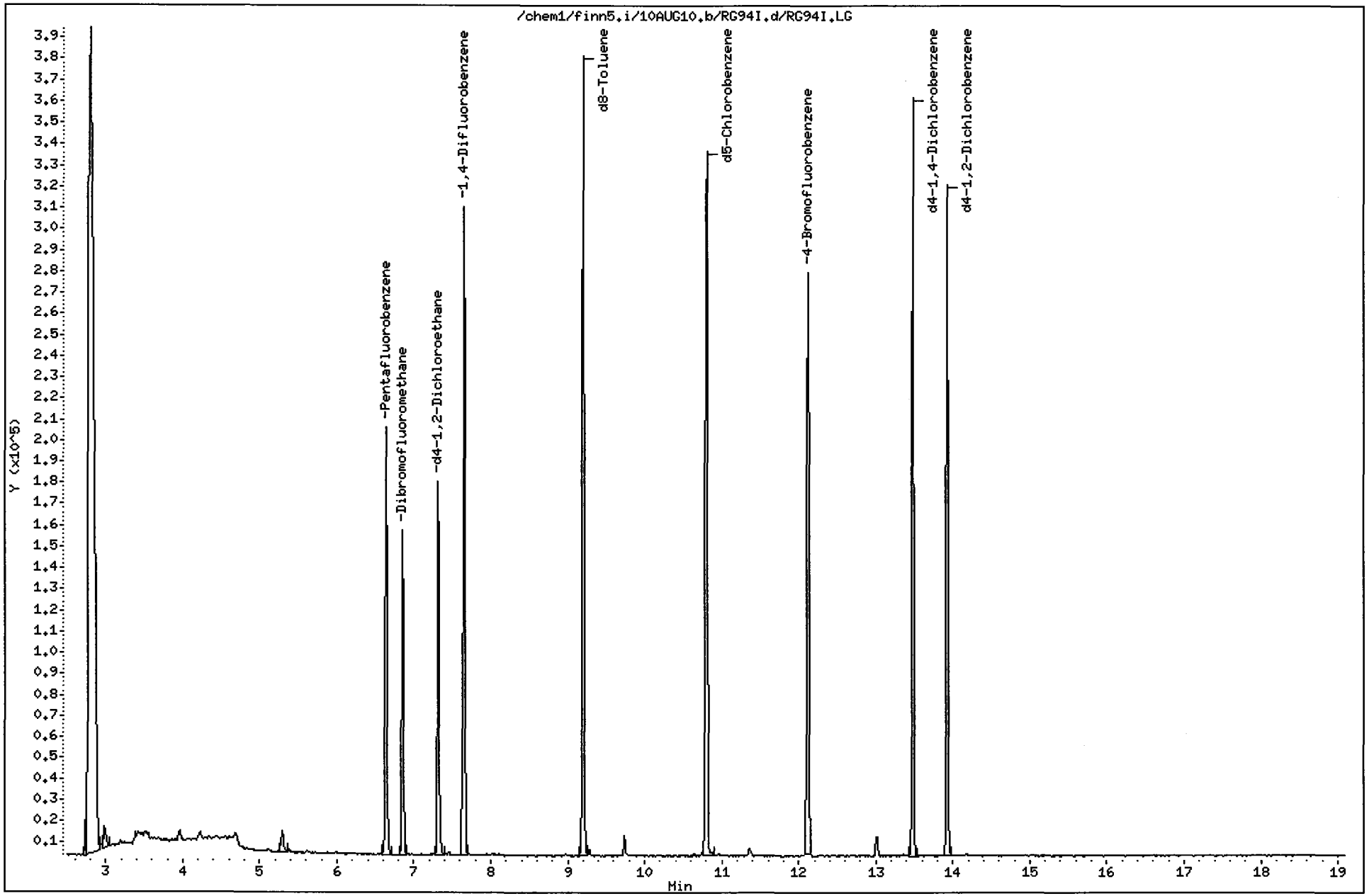
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	56.765	113.53	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.219	126.44	75-152
$ 43 d8-Toluene	50.000	52.066	104.13	82-115
$ 62 4-Bromofluorobenze	50.000	47.748	95.50	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.829	103.66	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94I.d
Date : 10-AUG-2010 18:00
Client ID: MW12-10-11.5-080210
Sample Info: RG94I,5,10.082,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

RG94I 06581



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94J.d
Lab Smp Id: RG94J Client Smp ID: MW12-17.5-19-080210
Inj Date : 10-AUG-2010 18:27
Operator : PB Inst ID: finn5.i
Smp Info : RG94J,5,9.151,0
Misc Info : 10-18603
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	9.15100	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.663	(0.707)	4102	5.97715	3.266
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.613	6.613	(1.000)	122631	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.834	6.834	(1.033)	83408	57.0669	31.181(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.103)	102955	64.3752	35.174
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.628	7.618	(1.000)	185787	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.176	9.176	(1.203)	211548	51.8214	28.315
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	163042	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.123)	92875	48.6730	26.594
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	81851	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	78008	52.3961	28.628
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94J.d
Lab Smp Id: RG94J
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18603

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-17.5-19-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	122631	-6.47
34 1,4-Difluorobenze	191559	95780	383118	185787	-3.01
52 d5-Chlorobenzene	161199	80600	322398	163042	1.14
76 d4-1,4-Dichlorobe	88279	44140	176558	81851	-7.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.61	0.00
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.77	0.00
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.46	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94J
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18603

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW12-17.5-19-080210
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.067	114.13	30-160
$ 31 d4-1,2-Dichloroeth	50.000	64.375	128.75	75-152
$ 43 d8-Toluene	50.000	51.821	103.64	82-115
$ 62 4-Bromofluorobenze	50.000	48.673	97.35	64-120
$ 79 d4-1,2-Dichloroben	50.000	52.396	104.79	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94J.d

Date : 10-AUG-2010 18:27

Client ID: MW12-17.5-19-080210

Sample Info: RG94J,5,9.151,0

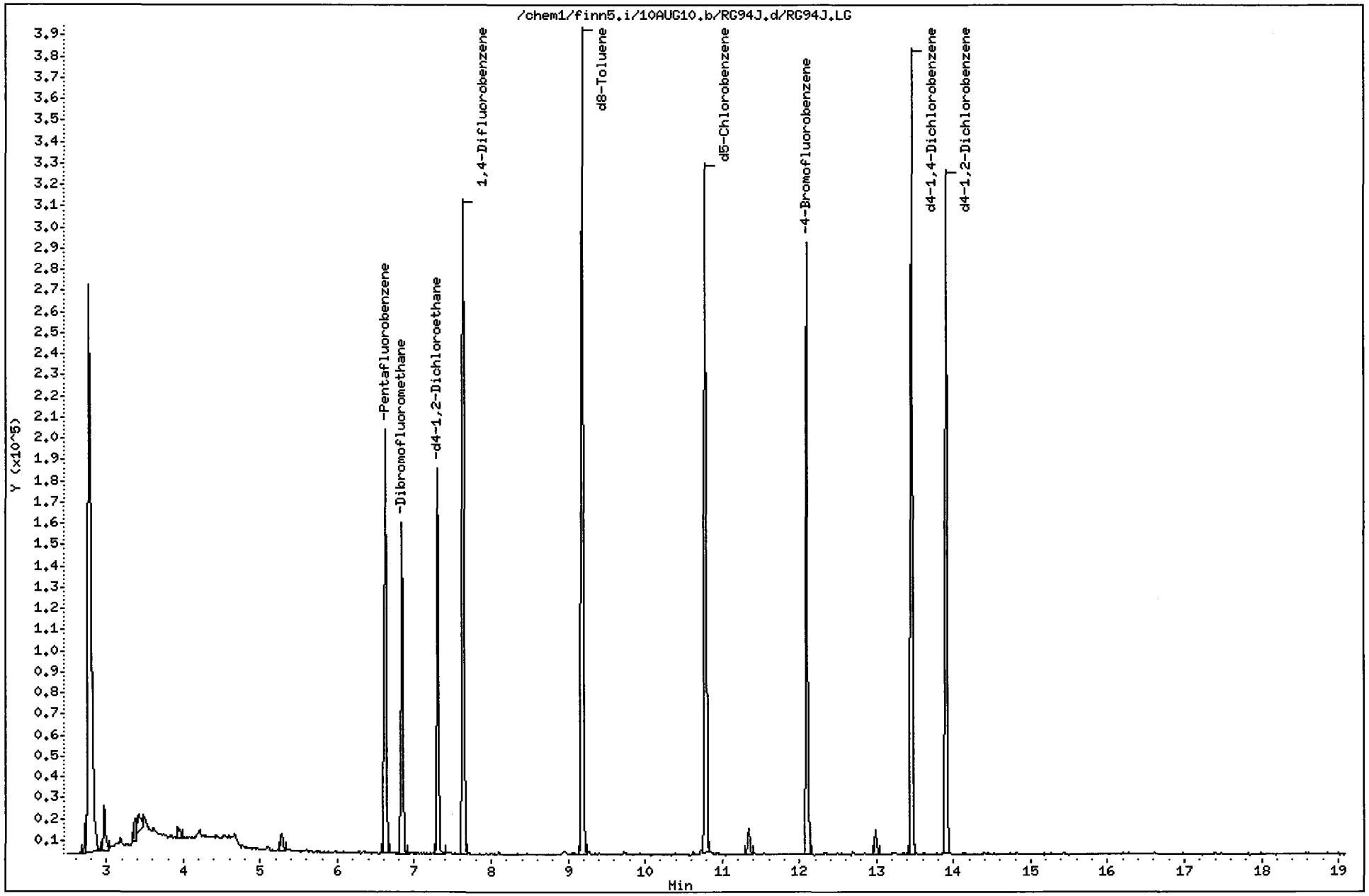
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18

RG94J : 9599



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94HMS.d
Lab Smp Id: RG94HMS Client Smp ID: MW12-8-9.5-0802 MS
Inj Date : 10-AUG-2010 18:53
Operator : PB Inst ID: finn5.i
Smp Info : RG94HMS,5,10.382,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:08 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.38200	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	2.995	(0.453)	80146	43.5401	20.969
2 Chloromethane	50	3.327	3.296	(0.501)	198470	40.0742	19.300
3 Vinyl Chloride	62	3.417	3.407	(0.515)	190719	48.6976	23.453
4 Bromomethane	94	3.909	3.899	(0.589)	104311	49.0438	23.620
5 Chloroethane	64	3.980	3.970	(0.600)	106738	41.7336	20.099
6 Trichlorofluoromethane	101	4.241	4.231	(0.639)	175757	46.4334	22.362
7 Acrolein	56	4.633	4.613	(0.698)	55226	116.964	56.330(R)
8 112Trichloro122Trifluoroethane	101	4.643	4.623	(0.700)	141104	47.6163	22.932
9 Acetone	43	4.683	4.663	(0.706)	159103	200.273	96.452
10 1,1-Dichloroethene	96	4.844	4.824	(0.730)	127614	47.4566	22.855
11 Bromoethane	108	5.065	5.045	(0.764)	91602	45.9994	22.153
12 Iodomethane	142	5.166	5.146	(0.779)	159451	50.1512	24.153
13 Methylene Chloride	84	5.276	5.266	(0.795)	114138	37.6958	18.154
14 Acrylonitrile	53	5.357	5.347	(0.808)	31385	44.7457	21.550(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.407	5.387	(0.815)	144396	34.9183	16.817(QR)
	15 Carbon Disulfide	76	5.377	5.367	(0.811)	431476	51.7354	24.916
	17 Trans-1,2-Dichloroethene	96	5.558	5.548	(0.838)	108806	47.4791	22.866
	18 Vinyl Acetate	43	5.889	5.869	(0.888)	142858	35.5926	17.141
	19 1,1-Dichloroethane	63	5.940	5.919	(0.895)	192302	45.6138	21.968
	20 2-Butanone	43	6.291	6.271	(0.948)	196523	219.850	105.88
	21 2,2-Dichloropropane	77	6.462	6.442	(0.974)	102342	39.6718	19.106
	22 Cis-1,2-Dichloroethene	96	6.502	6.482	(0.980)	90486	44.7994	21.575
*	23 Pentafluorobenzene	168	6.633	6.613	(1.000)	141956	50.0000	
	24 Chloroform	83	6.643	6.633	(1.002)	146665	42.8287	20.626
	26 Bromochloromethane	128	6.814	6.794	(1.027)	39932	41.6408	20.054
$	25 Dibromofluoromethane	111	6.844	6.834	(1.032)	87166	51.5193	24.812(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.025	(1.061)	113383	42.5697	20.502
	29 1,1-Dichloropropene	75	7.176	7.166	(0.939)	132926	46.6879	22.485
	30 Carbon Tetrachloride	117	7.296	7.276	(0.955)	106927	43.1885	20.800
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.101)	101627	54.8942	26.437
	32 1,2-Dichloroethane	62	7.397	7.377	(0.968)	96842	38.7458	18.660
	33 Benzene	78	7.447	7.427	(0.975)	316520	45.9747	22.142
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	209660	50.0000	
	35 Trichloroethene	95	8.010	8.000	(1.049)	87702	43.4790	20.940
	36 1,2-Dichloropropane	63	8.171	8.161	(1.070)	86028	39.6399	19.091(R)
	37 Bromodichloromethane	83	8.412	8.392	(1.101)	89856	38.7256	18.650
	39 Dibromomethane	93	8.482	8.462	(1.111)	41820	38.8189	18.695(R)
	40 2-Chloroethyl Vinyl Ether	63	8.663	8.613	(1.134)	264	0.34736	0.1673(QR)
	41 4-Methyl-2-Pentanone	58	8.663	8.643	(1.134)	114607	206.783	99.587(Q)
	42 Cis 1,3-dichloropropene	75	8.914	8.894	(1.167)	95548	37.7165	18.164
$	43 d8-Toluene	98	9.186	9.176	(1.203)	229827	49.8885	24.026
	44 Toluene	92	9.276	9.256	(1.214)	169370	41.4638	19.969
	45 Trans 1,3-Dichloropropene	75	9.407	9.387	(1.232)	72323	33.9642	16.357
	46 2-Hexanone	43	9.537	9.517	(0.884)	267934	191.821	92.381
	47 1,1,2-Trichloroethane	97	9.588	9.568	(1.255)	50054	39.3611	18.956(R)
	48 1,3-Dichloropropane	76	9.849	9.829	(0.912)	93298	38.7941	18.683(R)
	49 Tetrachloroethene	166	9.960	9.949	(0.923)	80521	42.4150	20.427
	50 Chlorodibromomethane	129	10.171	10.150	(0.942)	58831	36.3635	17.513
	51 1,2-Dibromoethane	107	10.392	10.382	(1.361)	49747	36.5220	17.589(R)
*	52 d5-Chlorobenzene	117	10.794	10.774	(1.000)	170873	50.0000	
	53 Chlorobenzene	112	10.834	10.814	(1.004)	148031	36.9356	17.788(R)
	54 Ethyl Benzene	91	10.864	10.854	(1.007)	300886	44.3949	21.381
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.844	(1.007)	52319	34.1086	16.427(R)
	56 m,p-xylene	106	10.944	10.934	(1.014)	225567	91.0582	43.854
	57 o-Xylene	106	11.437	11.417	(1.060)	107068	41.5871	20.028
	58 Styrene	104	11.467	11.447	(1.062)	145254	36.4892	17.573(R)
	59 Isopropyl Benzene	105	11.819	11.799	(0.878)	296256	46.9308	22.602
	60 Bromoform	173	11.879	11.859	(0.882)	35022	34.5058	16.618
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.980	(0.890)	65048	35.6676	17.178(R)
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.122)	99224	49.6172	23.896
	63 1,2,3-Trichloropropane	110	12.160	12.150	(0.903)	13347	36.9418	17.791(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.201	(0.907)	21370	38.1251	18.361
66	N-Propyl Benzene	91	12.271	12.251	(0.911)	350466	43.0069	20.712
67	Bromobenzene	156	12.361	12.341	(0.918)	56612	32.1699	15.493(R)
68	1,3,5-Trimethyl Benzene	105	12.442	12.422	(0.924)	222838	43.4871	20.943
69	2-Chloro Toluene	91	12.502	12.482	(0.928)	203081	37.9271	18.266(R)
70	4-Chloro Toluene	91	12.542	12.532	(0.931)	188751	36.7751	17.711(R)
71	T-Butyl Benzene	119	12.854	12.834	(0.954)	211570	48.2616	23.243
72	1,2,4-Trimethylbenzene	105	12.904	12.884	(0.958)	204566	40.5525	19.530
73	S-Butyl Benzene	105	13.095	13.085	(0.972)	327266	45.3772	21.854
74	4-Isopropyl Toluene	119	13.246	13.226	(0.984)	230571	46.5925	22.439
75	1,3-Dichlorobenzene	146	13.397	13.377	(0.995)	92516	30.7719	14.820(R)
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	93777	50.0000	
77	1,4-Dichlorobenzene	146	13.507	13.497	(1.003)	87931	29.2273	14.076(R)
78	N-Butyl Benzene	91	13.718	13.708	(1.019)	234781	43.9349	21.159
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.034)	85506	50.1284	24.142
80	1,2-Dichlorobenzene	146	13.949	13.929	(1.036)	78214	27.3727	13.183(R)
81	1,2-Dibromo 3-Chloropropane	75	14.854	14.834	(1.103)	9409	29.8157	14.359
82	1,2,4-Trichlorobenzene	180	15.899	15.879	(1.181)	26544	15.2656	7.352(R)
83	Hexachloro 1,3-Butadiene	225	16.050	16.040	(1.192)	37861	32.3292	15.570(R)
84	Naphthalene	128	16.231	16.211	(1.205)	36909	11.7029	5.636(R)
85	1,2,3-Trichlorobenzene	180	16.512	16.502	(1.226)	22244	13.3807	6.444(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94HMS.d
Lab Smp Id: RG94HMS
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-8-9.5-0802 MS
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	141956	8.27
34 1,4-Difluorobenze	191559	95780	383118	209660	9.45
52 d5-Chlorobenzene	161199	80600	322398	170873	6.00
76 d4-1,4-Dichlorobe	88279	44140	176558	93777	6.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94HMS
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW12-8-9.5-0802 MS
Operator: PB
SampleType: MS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	24.080	20.969	87.08	53-148
2	Chloromethane	24.080	19.300	80.15	64-125
3	Vinyl Chloride	24.080	23.453	97.40	63-137
4	Bromomethane	24.080	23.620	98.09	57-136
5	Chloroethane	24.080	20.099	83.47	64-131
6	Trichlorofluoromet	24.080	22.362	92.86	69-132
7	Acrolein	120.40	56.330	46.79*	54-137
8	112Trichloro122Tri	24.080	22.932	95.23	74-130
9	Acetone	120.40	96.452	80.11	60-131
10	1,1-Dichloroethene	24.080	22.855	94.91	75-126
11	Bromoethane	24.080	22.153	92.00	76-126
12	Iodomethane	24.080	24.153	100.30	65-139
13	Methylene Chloride	24.080	18.154	75.39	70-123
15	Carbon Disulfide	24.080	24.916	103.47	71-129
14	Acrylonitrile	24.080	21.550	89.49	67-125
16	Methyl tert-Butyl	24.080	16.817	69.84*	70-120
17	Trans-1,2-Dichloro	24.080	22.866	94.96	80-120
18	Vinyl Acetate	24.080	17.141	71.19	60-136
19	1,1-Dichloroethane	24.080	21.968	91.23	80-120
20	2-Butanone	120.40	105.88	87.94	70-120
21	2,2-Dichloropropan	24.080	19.106	79.34	74-123
22	Cis-1,2-Dichloroet	24.080	21.575	89.60	80-120
24	Chloroform	24.080	20.626	85.66	80-120
26	Bromochloromethane	24.080	20.054	83.28	80-120
27	1,1,1-Trichloroeth	24.080	20.502	85.14	77-121
29	1,1-Dichloropropen	24.080	22.485	93.38	80-120
30	Carbon Tetrachlori	24.080	20.800	86.38	77-122
32	1,2-Dichloroethane	24.080	18.660	77.49	76-120
33	Benzene	24.080	22.142	91.95	80-120
35	Trichloroethene	24.080	20.940	86.96	80-120
36	1,2-Dichloropropan	24.080	19.091	79.28*	80-120
37	Bromodichlorometha	24.080	18.650	77.45	77-121
39	Dibromomethane	24.080	18.695	77.64*	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	24.080	0.1673	0.69*	10-191
41 4-Methyl-2-Pentano	120.40	99.587	82.71	67-120
42 Cis 1,3-dichloropr	24.080	18.164	75.43	74-120
44 Toluene	24.080	19.969	82.93	80-120
45 Trans 1,3-Dichloro	24.080	16.357	67.93	65-120
46 2-Hexanone	120.40	92.381	76.73	65-130
47 1,1,2-Trichloroeth	24.080	18.956	78.72*	80-120
48 1,3-Dichloropropan	24.080	18.683	77.59*	80-120
49 Tetrachloroethene	24.080	20.427	84.83	80-121
50 Chlorodibromometha	24.080	17.513	72.73	64-120
51 1,2-Dibromoethane	24.080	17.589	73.04*	75-120
53 Chlorobenzene	24.080	17.788	73.87*	80-120
55 1,1,1,2-Tetrachlor	24.080	16.427	68.22*	69-121
54 Ethyl Benzene	24.080	21.381	88.79	80-127
56 m,p-xylene	48.160	43.854	91.06	80-125
57 o-Xylene	24.080	20.028	83.17	78-120
58 Styrene	24.080	17.573	72.98*	80-123
59 Isopropyl Benzene	24.080	22.602	93.86	80-127
60 Bromoform	24.080	16.618	69.01	60-120
61 1,1,2,2-Tetrachlor	24.080	17.178	71.34*	74-120
63 1,2,3-Trichloropro	24.080	17.791	73.88	72-121
65 Trans-1,4-Dichloro	24.080	18.361	76.25	65-126
66 N-Propyl Benzene	24.080	20.712	86.01	80-132
67 Bromobenzene	24.080	15.493	64.34*	80-120
68 1,3,5-Trimethyl Be	24.080	20.943	86.97	80-125
69 2-Chloro Toluene	24.080	18.266	75.85*	80-125
70 4-Chloro Toluene	24.080	17.711	73.55*	80-127
71 T-Butyl Benzene	24.080	23.243	96.52	87-122
72 1,2,4-Trimethylben	24.080	19.530	81.10	80-126
73 S-Butyl Benzene	24.080	21.854	90.75	80-134
74 4-Isopropyl Toluen	24.080	22.439	93.18	80-131
75 1,3-Dichlorobenzen	24.080	14.820	61.54*	80-120
77 1,4-Dichlorobenzen	24.080	14.076	58.45*	80-120
78 N-Butyl Benzene	24.080	21.159	87.87	80-138
80 1,2-Dichlorobenzen	24.080	13.183	54.75*	80-120
81 1,2-Dibromo 3-Chlo	24.080	14.359	59.63	59-120
82 1,2,4-Trichloroben	24.080	7.352	30.53*	78-130
83 Hexachloro 1,3-But	24.080	15.570	64.66*	76-129
84 Naphthalene	24.080	5.636	23.41*	66-120
85 1,2,3-Trichloroben	24.080	6.444	26.76*	73-123

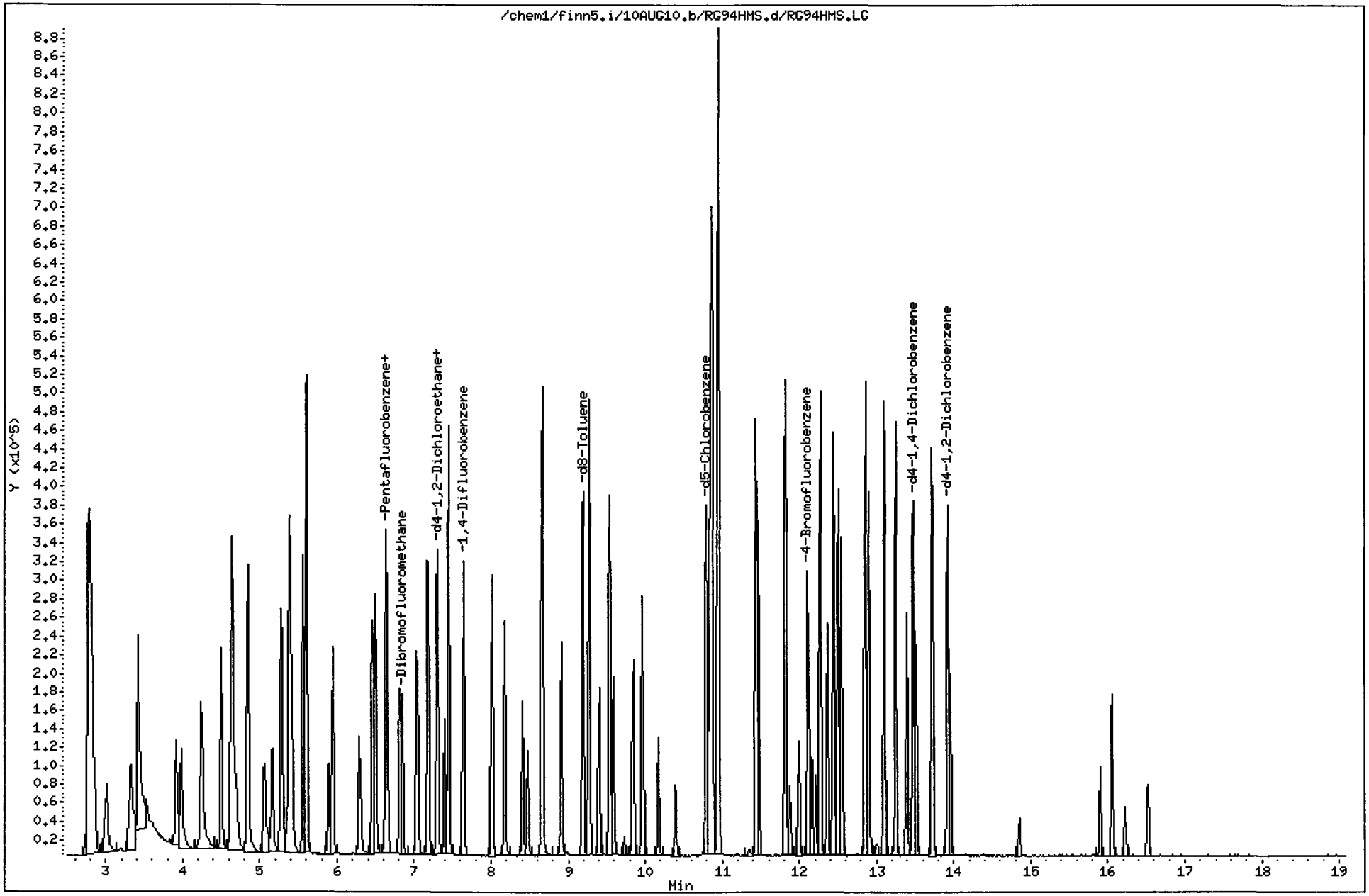
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.519	103.04	30-160

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	54.894	109.79	75-152
$ 43 d8-Toluene	50.000	49.888	99.78	82-115
$ 62 4-Bromofluorobenze	50.000	49.617	99.23	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.128	100.26	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94HMS.d
Date : 10-AUG-2010 18:53
Client ID: MW12-8-9.5-0802 MS
Sample Info: RG94HMS,5,10.382,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RG94: 00598

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94HMSD.d
Lab Smp Id: RG94HMSD Client Smp ID: MW12-8-9.5-0802 MSD
Inj Date : 10-AUG-2010 19:20
Operator : PB Inst ID: finn5.i
Smp Info : RG94HMSD,5,10.749,0
Misc Info : 10-18601
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:08 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.74900	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	2.995	(0.454)	76710	41.8279	19.457
2 Chloromethane	50	3.316	3.296	(0.501)	188875	38.2781	17.805
3 Vinyl Chloride	62	3.417	3.407	(0.516)	177347	45.4510	21.142
4 Bromomethane	94	3.909	3.899	(0.590)	111403	52.5723	24.454
5 Chloroethane	64	3.980	3.970	(0.601)	111070	43.5883	20.275
6 Trichlorofluoromethane	101	4.241	4.231	(0.640)	184972	49.0489	22.816
7 Acrolein	56	4.623	4.613	(0.698)	55536	118.056	54.915(R)
8 112Trichloro122Trifluoroethane	101	4.633	4.623	(0.700)	144457	48.9284	22.760
9 Acetone	43	4.673	4.663	(0.706)	154413	195.090	90.748
10 1,1-Dichloroethene	96	4.834	4.824	(0.730)	130042	48.5387	22.578
11 Bromoethane	108	5.055	5.045	(0.763)	92089	46.4153	21.590
12 Iodomethane	142	5.156	5.146	(0.778)	163923	51.7488	24.071
13 Methylene Chloride	84	5.266	5.266	(0.795)	107930	35.7776	16.642
14 Acrylonitrile	53	5.357	5.347	(0.809)	29402	42.0738	19.571(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.387	(0.815)	134011	32.5270	15.130(QR)
	15 Carbon Disulfide	76	5.377	5.367	(0.812)	433626	52.1858	24.275
	17 Trans-1,2-Dichloroethene	96	5.558	5.548	(0.839)	108029	47.3147	22.009
	18 Vinyl Acetate	43	5.879	5.869	(0.888)	131250	32.8216	15.267
	19 1,1-Dichloroethane	63	5.940	5.919	(0.897)	186269	44.3465	20.628
	20 2-Butanone	43	6.281	6.271	(0.948)	184087	206.700	96.149
	21 2,2-Dichloropropane	77	6.452	6.442	(0.974)	100204	38.9870	18.135
	22 Cis-1,2-Dichloroethene	96	6.492	6.482	(0.980)	86877	43.1719	20.082
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	141432	50.0000	
	24 Chloroform	83	6.643	6.633	(1.003)	141375	41.4369	19.275
	26 Bromochloromethane	128	6.804	6.794	(1.027)	36453	38.1538	17.748(QR)
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	89329	52.9933	24.650(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.025	(1.062)	110292	41.5626	19.333
	29 1,1-Dichloropropene	75	7.176	7.166	(0.941)	131455	45.4568	21.145
	30 Carbon Tetrachloride	117	7.286	7.276	(0.955)	104484	41.5487	19.327
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	104823	56.8303	26.435
	32 1,2-Dichloroethane	62	7.387	7.377	(0.968)	90074	35.4803	16.504(R)
	33 Benzene	78	7.437	7.427	(0.975)	303670	43.4258	20.200
*	34 1,4-Difluorobenzene	114	7.628	7.618	(1.000)	212955	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	85910	41.9317	19.505
	36 1,2-Dichloropropane	63	8.171	8.161	(1.071)	81954	37.1784	17.294(R)
	37 Bromodichloromethane	83	8.402	8.392	(1.101)	84261	35.7524	16.630(R)
	39 Dibromomethane	93	8.472	8.462	(1.111)	38275	34.9786	16.271(R)
	40 2-Chloroethyl Vinyl Ether	63	8.643	8.613	(1.133)	308	0.39898	0.1856(QR)
	41 4-Methyl-2-Pentanone	58	8.653	8.643	(1.134)	101422	180.162	83.804(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.894	(1.167)	89696	34.8587	16.215(R)
$	43 d8-Toluene	98	9.186	9.176	(1.204)	230606	49.2831	22.924
	44 Toluene	92	9.266	9.256	(1.215)	164641	39.6824	18.459(R)
	45 Trans 1,3-Dichloropropene	75	9.397	9.387	(1.232)	68975	31.8907	14.834(R)
	46 2-Hexanone	43	9.527	9.517	(0.884)	243318	173.174	80.554
	47 1,1,2-Trichloroethane	97	9.578	9.568	(1.256)	46112	35.7002	16.606(R)
	48 1,3-Dichloropropane	76	9.839	9.829	(0.912)	86386	35.7090	16.610(R)
	49 Tetrachloroethene	166	9.960	9.949	(0.924)	77041	40.3434	18.766
	50 Chlorodibromomethane	129	10.161	10.150	(0.942)	54535	33.5101	15.588
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	45994	33.2442	15.464(R)
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	171883	50.0000	
	53 Chlorobenzene	112	10.824	10.814	(1.004)	146400	36.3140	16.892(R)
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	293603	43.0658	20.032
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.844	(1.007)	49007	31.7617	14.774(R)
	56 m,p-xylene	106	10.934	10.934	(1.014)	224794	90.2130	41.963
	57 o-Xylene	106	11.427	11.417	(1.060)	105942	40.9080	19.029
	58 Styrene	104	11.457	11.447	(1.062)	158914	39.6862	18.460(R)
	59 Isopropyl Benzene	105	11.809	11.799	(0.877)	294673	44.0629	20.496
	60 Bromoform	173	11.869	11.859	(0.881)	33217	30.8925	14.370
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.980	(0.890)	62423	32.3092	15.029(R)
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	103471	51.4369	23.926
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.902)	12743	33.2926	15.486(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.906)	21183	35.6726	16.593
66	N-Propyl Benzene	91	12.261	12.251	(0.910)	362573	41.9981	19.536
67	Bromobenzene	156	12.351	12.341	(0.917)	60678	32.5472	15.140(R)
68	1,3,5-Trimethyl Benzene	105	12.432	12.422	(0.923)	233840	43.0756	20.037
69	2-Chloro Toluene	91	12.492	12.482	(0.928)	211175	37.2275	17.317(R)
70	4-Chloro Toluene	91	12.532	12.532	(0.931)	212553	39.0907	18.183(R)
71	T-Butyl Benzene	119	12.844	12.834	(0.954)	213939	46.0658	21.428
72	1,2,4-Trimethylbenzene	105	12.894	12.884	(0.957)	221784	41.5007	19.304
73	S-Butyl Benzene	105	13.085	13.085	(0.972)	338802	44.3429	20.626
74	4-Isopropyl Toluene	119	13.236	13.226	(0.983)	243254	46.3994	21.583
75	1,3-Dichlorobenzene	146	13.387	13.377	(0.994)	108084	33.9344	15.785(R)
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	99347	50.0000	
77	1,4-Dichlorobenzene	146	13.497	13.497	(1.002)	103623	32.5121	15.123(R)
78	N-Butyl Benzene	91	13.708	13.708	(1.018)	254154	44.8957	20.883
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	94172	52.1135	24.241
80	1,2-Dichlorobenzene	146	13.939	13.929	(1.035)	93463	30.8756	14.362(R)
81	1,2-Dibromo 3-Chloropropane	75	14.844	14.834	(1.102)	10308	30.8331	14.342
82	1,2,4-Trichlorobenzene	180	15.889	15.879	(1.180)	37918	20.5842	9.575(R)
83	Hexachloro 1,3-Butadiene	225	16.050	16.040	(1.192)	42702	34.4185	16.010(R)
84	Naphthalene	128	16.221	16.211	(1.204)	70828	21.1986	9.861(R)
85	1,2,3-Trichlorobenzene	180	16.502	16.502	(1.225)	33309	18.9133	8.798(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94HMSD.d
Lab Smp Id: RG94HMSD
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW12-8-9.5-0802 MSD
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	141432	7.87
34 1,4-Difluorobenze	191559	95780	383118	212955	11.17
52 d5-Chlorobenzene	161199	80600	322398	171883	6.63
76 d4-1,4-Dichlorobe	88279	44140	176558	99347	12.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG94HMSD
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18601

Client SDG: RG94
Fraction: VOA
Client Smp ID: MW12-8-9.5-0802 MSD
Operator: PB
SampleType: MSD
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	23.258	19.457	83.66	53-148
2	Chloromethane	23.258	17.805	76.56	64-125
3	Vinyl Chloride	23.258	21.142	90.90	63-137
4	Bromomethane	23.258	24.454	105.14	57-136
5	Chloroethane	23.258	20.275	87.18	64-131
6	Trichlorofluoromet	23.258	22.816	98.10	69-132
7	Acrolein	116.29	54.915	47.22*	54-137
8	112Trichloro122Tri	23.258	22.760	97.86	74-130
9	Acetone	116.29	90.748	78.04	60-131
10	1,1-Dichloroethene	23.258	22.578	97.08	75-126
11	Bromoethane	23.258	21.590	92.83	76-126
12	Iodomethane	23.258	24.071	103.50	65-139
13	Methylene Chloride	23.258	16.642	71.56	70-123
15	Carbon Disulfide	23.258	24.275	104.37	71-129
14	Acrylonitrile	23.258	19.571	84.15	67-125
16	Methyl tert-Butyl	23.258	15.130	65.05*	70-120
17	Trans-1,2-Dichloro	23.258	22.009	94.63	80-120
18	Vinyl Acetate	23.258	15.267	65.64	60-136
19	1,1-Dichloroethane	23.258	20.628	88.69	80-120
20	2-Butanone	116.29	96.149	82.68	70-120
21	2,2-Dichloropropan	23.258	18.135	77.97	74-123
22	Cis-1,2-Dichloroet	23.258	20.082	86.34	80-120
24	Chloroform	23.258	19.275	82.87	80-120
26	Bromochloromethane	23.258	17.748	76.31*	80-120
27	1,1,1-Trichloroeth	23.258	19.333	83.13	77-121
29	1,1-Dichloropropen	23.258	21.145	90.91	80-120
30	Carbon Tetrachlori	23.258	19.327	83.10	77-122
32	1,2-Dichloroethane	23.258	16.504	70.96*	76-120
33	Benzene	23.258	20.200	86.85	80-120
35	Trichloroethene	23.258	19.505	83.86	80-120
36	1,2-Dichloropropan	23.258	17.294	74.36*	80-120
37	Bromodichlorometha	23.258	16.630	71.50*	77-121
39	Dibromomethane	23.258	16.271	69.96*	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	23.258	0.1856	0.80*	10-191
41 4-Methyl-2-Pentano	116.29	83.804	72.06	67-120
42 Cis 1,3-dichloropr	23.258	16.215	69.72*	74-120
44 Toluene	23.258	18.459	79.36*	80-120
45 Trans 1,3-Dichloro	23.258	14.834	63.78*	65-120
46 2-Hexanone	116.29	80.554	69.27	65-130
47 1,1,2-Trichloroeth	23.258	16.606	71.40*	80-120
48 1,3-Dichloropropan	23.258	16.610	71.42*	80-120
49 Tetrachloroethene	23.258	18.766	80.69	80-121
50 Chlorodibromometha	23.258	15.588	67.02	64-120
51 1,2-Dibromoethane	23.258	15.464	66.49*	75-120
53 Chlorobenzene	23.258	16.892	72.63*	80-120
55 1,1,1,2-Tetrachlor	23.258	14.774	63.52*	69-121
54 Ethyl Benzene	23.258	20.032	86.13	80-127
56 m,p-xylene	46.516	41.963	90.21	80-125
57 o-Xylene	23.258	19.029	81.82	78-120
58 Styrene	23.258	18.460	79.37*	80-123
59 Isopropyl Benzene	23.258	20.496	88.13	80-127
60 Bromoform	23.258	14.370	61.79	60-120
61 1,1,2,2-Tetrachlor	23.258	15.029	64.62*	74-120
63 1,2,3-Trichloropro	23.258	15.486	66.59*	72-121
65 Trans-1,4-Dichloro	23.258	16.593	71.35	65-126
66 N-Propyl Benzene	23.258	19.536	84.00	80-132
67 Bromobenzene	23.258	15.140	65.09*	80-120
68 1,3,5-Trimethyl Be	23.258	20.037	86.15	80-125
69 2-Chloro Toluene	23.258	17.317	74.46*	80-125
70 4-Chloro Toluene	23.258	18.183	78.18*	80-127
71 T-Butyl Benzene	23.258	21.428	92.13	87-122
72 1,2,4-Trimethylben	23.258	19.304	83.00	80-126
73 S-Butyl Benzene	23.258	20.626	88.69	80-134
74 4-Isopropyl Toluen	23.258	21.583	92.80	80-131
75 1,3-Dichlorobenzen	23.258	15.785	67.87*	80-120
77 1,4-Dichlorobenzen	23.258	15.123	65.02*	80-120
78 N-Butyl Benzene	23.258	20.883	89.79	80-138
80 1,2-Dichlorobenzen	23.258	14.362	61.75*	80-120
81 1,2-Dibromo 3-Chlo	23.258	14.342	61.67	59-120
82 1,2,4-Trichloroben	23.258	9.575	41.17*	78-130
83 Hexachloro 1,3-But	23.258	16.010	68.84*	76-129
84 Naphthalene	23.258	9.861	42.40*	66-120
85 1,2,3-Trichloroben	23.258	8.798	37.83*	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	52.993	105.99	30-160

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	56.830	113.66	75-152
$ 43 d8-Toluene	50.000	49.283	98.57	82-115
$ 62 4-Bromofluorobenze	50.000	51.437	102.87	64-120
$ 79 d4-1,2-Dichloroben	50.000	52.114	104.23	80-120

Data File: /chem1/finn5.i/10AUG10.b/RG94HMSD.d

Date : 10-AUG-2010 19:20

Client ID: MW12-8-9.5-0802 MSD

Sample Info: RG94HMSD,5,10.749,0

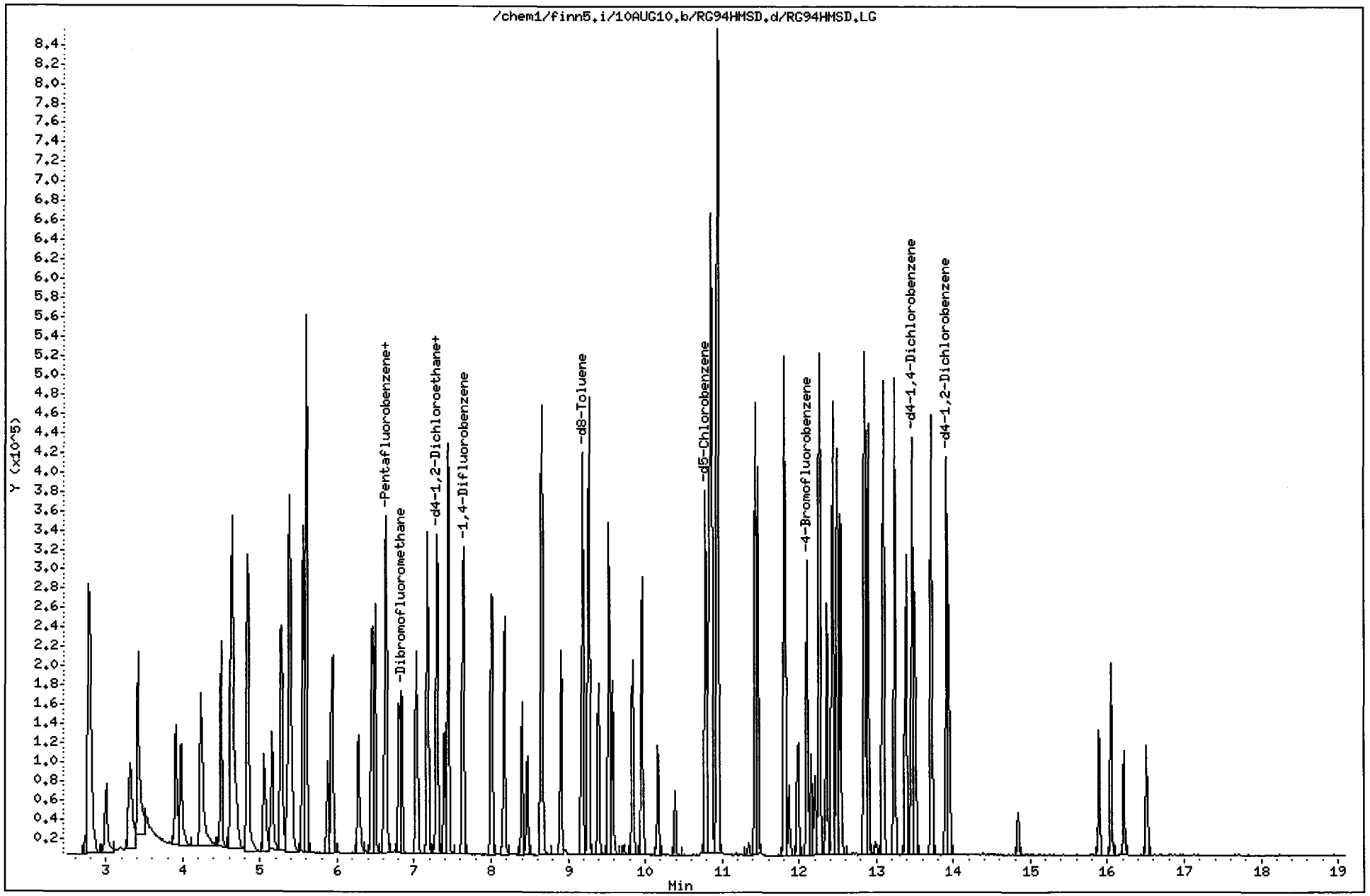
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18

RG94 : 66565



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG94A.d
Lab Smp Id: RG94A Client Smp ID: MW14-15-16.5-080210
Inj Date : 10-AUG-2010 14:31
Operator : PB Inst ID: finn5.i
Smp Info : RG94A,5,10.539,0
Misc Info : 10-18594
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 13-Aug-2010 19:09 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.53900	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.663	(0.706)	7859	10.2728	4.874
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	136703	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	87822	53.9016	25.572(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	99998	56.0899	26.611
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.437	7.427	(0.975)	3056	0.45063	0.2138 ug
*	34 1,4-Difluorobenzene	114	7.628	7.618	(1.000)	206520	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.176	9.176	(1.203)	226806	49.9813	23.712
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	170733	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.123)	94336	47.2116	22.398
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	82102	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	75567	50.6013	24.007(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG94A.d
Lab Smp Id: RG94A
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18594

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MW14-15-16.5-080210
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	136703	4.26
34 1,4-Difluorobenze	191559	95780	383118	206520	7.81
52 d5-Chlorobenzene	161199	80600	322398	170733	5.91
76 d4-1,4-Dichlorobe	88279	44140	176558	82102	-7.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.77	0.00
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.46	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG94A
Client Smp ID: MW14-15-16.5-080210
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18594

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	53.902	107.80	30-160
$ 31 d4-1,2-Dichloroeth	50.000	56.090	112.18	75-152
$ 43 d8-Toluene	50.000	49.981	99.96	82-115
$ 62 4-Bromofluorobenze	50.000	47.212	94.42	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.601	101.20	80-120

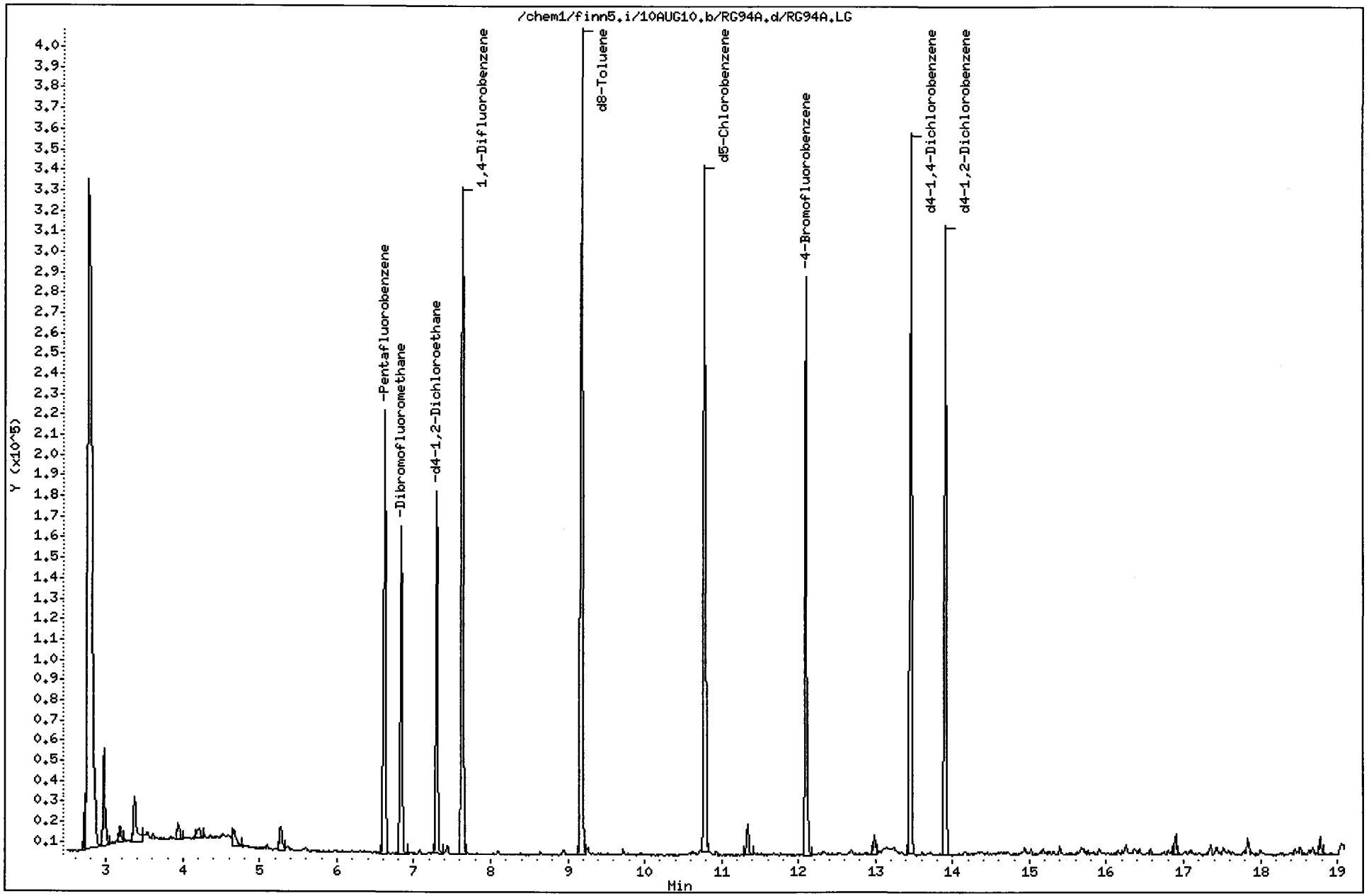
Data File: /chem1/finn5.i/10AUG10.b/RG94A.d
Date : 10-AUG-2010 14:31
Client ID: MW14-15-16.5-080210
Sample Info: RG94A,5,10.539,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

RG94:66612



Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: RG94 Client ID: 8260C

ARI SOP: **404S**(Gas) **410S**(BTEX) **430S**(VPH) **700S**(8260C) **703S**(SIM) **706S**(524.2) **710S**(RSK-175)

Parameter(s): 8260C

Instrument: NT-3 NT-5 NT-7 NT-9 (NT-10) PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 10 Curve Date: 8/10/10 Analysis Start Date: 8/12/10

pH ≤ 2.0 (YES) / NO / NA

BFB Tune Meets Criteria? (YES) / NO / NA

Internal Standard Meets Criteria? (YES) / NO / NA

ICal acceptable? (YES) / NO

Q flag applied? YES / (NO) / NA

Manual Integrations for ICal? (YES) / NO

Special Analysis Criteria Met? YES / NO / (NA)

Method Blank In Control? (YES) / NO

LCS / LCSD Recovery In Control? (YES) / NO

Surrogate Recovery In Control? (YES) / NO

CCal acceptable? (YES) / NO

Q flag applied? YES / (NO) / NA

Manual Integrations for Samples? Yes / (NO)

Bubbles/Headspace: (None) SM (≤ 2mm •) PB (2-4mm) LG (> 4mm ●) Head Space

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Additional Details on Reverse: Yes / No

Analyst: [signature] **Date:** 8/16/10

Reviewer: [signature] **Date:** 8/16/10

Analytical Resources Inc.: Volatile Organics Instrument Log

NT-10 Serial No.:GC=CN10837018, MS= US83131105

Date: 8/12/10 Analysis: 8260C Analyst: PC

GC Program: VOA10 Column No: 868288 Column Type: RTX-VMS

Instrument Tune (.U or .CT.): 08121007 EM Voltage: 1459

Calibration File: 08121008 Curve Date: 8/10/10

IS/SS	Ical/Ccal	LCS/ICV
VS657-4	VW649-1	
	VW646-1	
	VW644-2	
	VW647-3	
	VW645-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt10.i/12AUG10.b

	Time	Filename	LabID	ClientID	WT								
1	0918	08121001.d	BFB0812	BFB0812	0.00								
2	0950	08121002.d	CC0812	CC0812		1 | 5.24	569834 | 5.64	1031042 | 7.72	910178 | 9.43	436000 |			
3	1015	08121003.d	CC0812A	CC0812A		1 | 5.24	571465 | 5.64	1050317 | 7.72	925347 | 9.43	449916 |			
4	1055	08121004.d	TEST0812			1 | 5.24	2498756 | 5.64	4572667 | 7.72	4178725 | 9.43	2364029 |			
5	1125	08121005.d	TEST0812A			1 | 5.24	1423977 | 5.64	2584589 | 7.72	2347441 | 9.43	1323978 |			
6	1214	08121006.d	TEST0812B			1 | 5.24	978285 | 5.64	1758028 | 7.72	1601318 | 9.43	858240 |			
7	1245	08121007.d	BFB0812A	BFB0812A	0.00								
8	1316	08121008.d	CC0812	CC0812		1 | 5.24	847189 | 5.64	1536870 | 7.72	1346899 | 9.43	700409 |			
9	1341	08121009.d	LCS0812	LCS0812		1 | 5.24	871724 | 5.64	1630149 | 7.72	1484831 | 9.43	813594 |			
10	1406	08121010.d	LCSD0812	LCSD0812		1 | 5.24	866403 | 5.64	1608719 | 7.72	1401790 | 9.43	738926 |			
11	1432	08121011.d	MB0812	MB0812		1 | 5.24	793652 | 5.64	1464170 | 7.72	1317756 | 9.43	714430 |			
12	1503	08121012.d	RH66L	Trip Blank	1	1 | 5.24	794542 | 5.64	1441621 | 7.72	1285585 | 9.43	682062 |			
13	1529	08121013.d	RG94L	MW12-TB-080210	2	1 | 5.24	777978 | 5.64	1416594 | 7.72	1280570 | 9.43	687414 |			
14	1554	08121014.d	RH88A	BOPTSA1-0810	1	1 | 5.24	758710 | 5.64	1413340 | 7.72	1261591 | 9.43	661578 |			
15	1620	08121015.d	RH88B	BOPTSA10-0810	1	1 | 5.24	726583 | 5.64	1332956 | 7.72	1183137 | 9.43	614531 |			
16	1645	08121016.d	RH58I	10080160	3	1 | 5.24	736493 | 5.64	1362733 | 7.72	1172828 | 9.43	588212 |			
17	1710	08121017.d	RH58J	10080161	2	1 | 5.24	745106 | 5.64	1345531 | 7.72	1177888 | 9.43	601772 |			
18	1735	08121018.d	RH58K	10080162	8	1 | 5.24	772806 | 5.64	1415231 | 7.72	1259344 | 9.43	635939 |			
19	1801	08121019.d	RH58L	10080163	1	1 | 5.24	710669 | 5.64	1311186 | 7.72	1153236 | 9.43	586196 |			
20	1826	08121020.d	RH58M	10080164	1	1 | 5.24	711181 | 5.64	1278027 | 7.72	1127602 | 9.43	559415 |			
21	1852	08121021.d	RH58N	10080165	2	1 | 5.24	724194 | 5.64	1355948 | 7.72	1182562 | 9.43	592780 |			
22	1917	08121022.d	RH58O	10080166	1	1 | 5.24	711626 | 5.64	1312922 | 7.72	1168577 | 9.43	599017 |			
23	1942	08121023.d	RH58KMS	10080162 MS	2	1 | 5.24	751430 | 5.64	1392031 | 7.72	1255758 | 9.43	679243 |			
24	2007	08121024.d	RH58KMSD	10080162 MSD	9	1 | 5.24	763416 | 5.64	1418370 | 7.72	1316259 | 9.43	756420 |			
25	2032	08121025.d	RG94K	MW12-ER-080210	5	1 | 5.24	809029 | 5.64	1508074 | 7.72	1278815 | 9.43	607285 |			
26	2058	08121026.d	RH27A	DNR	1	1 | 5.24	697816 | 5.64	1268491 | 7.72	1171760 | 9.43	675807 |			
27	2123	08121027.d	RH27B	Parker	1	1 | 5.24	706251 | 5.64	1290288 | 7.72	1156878 | 9.43	583993 |			
28	2148	08121028.d	RH65A	E-171	1	1 | 5.24	688561 | 5.64	1288736 | 7.72	1129305 | 9.43	639902 |			
29	2214	08121029.d	RH65B	E-177B	3	1 | 5.24	745255 | 5.64	1379597 | 7.72	1231770 | 9.43	666940 |			
30	2239	08121030.d	RH65C	E-186	2	1 | 5.24	713463 | 5.64	1301546 | 7.72	1162819 | 9.43	622307 |			
31	2304	08121031.d	RH65D	E-187A	1	1 | 5.24	692346 | 5.64	1277225 | 7.72	1115670 | 9.43	551407 |			
32	2330	08121032.d	RH65E	E-187B	1	1 | 5.24	748755 | 5.64	1361598 | 7.72	1203112 | 9.43	612324 |			
33	2355	08121033.d	RH65F	E-190A	1	1 | 5.24	692908 | 5.64	1277853 | 7.72	1086922 | 9.43	528347 |			

Maintenance

Maintenance verification (identify ical or ccal that co...

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

PC 8/13/10

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt10.i/12AUG10.b

ARI Job No.: CC08 Method: 82600806L.m Instrument: nt10.i Date: 12-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1316	08121008.d	CC0812	CC0812	1	NO MANUAL INTEGRATION
1341	08121009.d	LCS0812	LCS0812	1	NO MANUAL INTEGRATION
1406	08121010.d	LCSD0812	LCSD0812	1	NO MANUAL INTEGRATION
1432	08121011.d	MB0812	MB0812	1	NO MANUAL INTEGRATION
1529	08121013.d	RG94L	MW12-TB-08	1	NO MANUAL INTEGRATION
2032	08121025.d	RG94K	MW12-ER-08	1	NO MANUAL INTEGRATION

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt10.i/12AUG10.b

Instrument: nt10.i Date: 12-AUG-2010 Method: 82600806L.m

INITIAL CAL: 10-AUG-2010

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 12-AUG-2010

Compound	%D
NO Q-FLAGS	

PC 8/16/10

Data File: /chem1/nt10.i/12AUG10.b/08121007.d

Date : 12-AUG-2010 12:45

Client ID: BFB0812A

Instrument: nt10.i

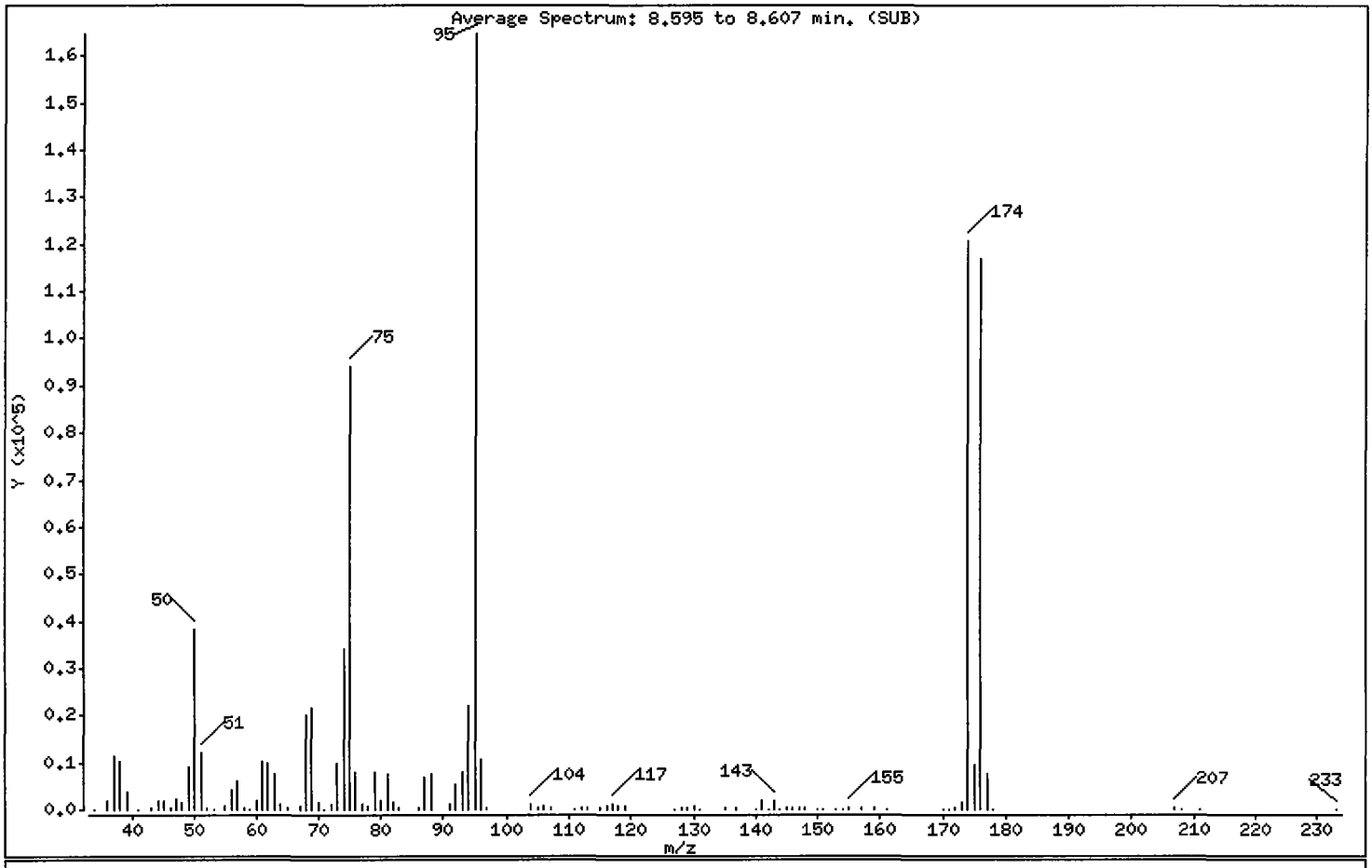
Sample Info: BFB0812A,BFB0812A,1,081210,,

Operator: PC

Column phase: RTXVMS

Column diameter: 0.18

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	23.29
75	30.00 - 66.00% of mass 95	57.21
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.91 (1.25)
174	50.00 - 101.00% of mass 95	73.31
175	4.00 - 9.00% of mass 174	5.81 (7.93)
176	93.00 - 101.00% of mass 174	70.95 (96.78)
177	5.00 - 9.00% of mass 176	4.58 (6.45)

Data File: /chem1/nt10.i/12AUG10.b/08121007.d

Date : 12-AUG-2010 12:45

Client ID: BFB0812A

Instrument: nt10.i

Sample Info: BFB0812A,BFB0812A,1,081210,,

Operator: PC

Column phase: RTXVMS

Column diameter: 0.18

Data File: 08121007.d
Spectrum: Average Spectrum: 8.595 to 8.607 min. (SUB)
Location of Maximum: 95.00
Number of points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
34.00	92	65.00	381	97.00	392	147.00	217
36.00	2013	67.00	779	104.00	1004	148.00	537
37.00	11375	68.00	20120	105.00	393	150.00	151
38.00	10217	69.00	21488	106.00	813	151.00	64
39.00	3928	70.00	1627	107.00	282	153.00	79
41.00	139	71.00	146	111.00	165	154.00	132
43.00	220	72.00	1154	112.00	221	155.00	366
44.00	1812	73.00	9721	113.00	293	157.00	345
45.00	1922	74.00	34256	115.00	254	159.00	252
46.00	293	75.00	94208	116.00	619	161.00	57
47.00	2132	76.00	8070	117.00	1191	170.00	64
48.00	1503	77.00	1256	118.00	738	171.00	136
49.00	9264	78.00	934	119.00	940	172.00	478
50.00	38344	79.00	7987	127.00	51	173.00	1505
51.00	12206	80.00	1805	128.00	566	174.00	120720
52.00	522	81.00	7587	129.00	342	175.00	9574
53.00	60	82.00	1655	130.00	655	176.00	116832
55.00	602	83.00	261	131.00	58	177.00	7534
56.00	3994	86.00	413	135.00	276	178.00	108
57.00	6021	87.00	6994	137.00	284	207.00	238
58.00	378	88.00	7703	140.00	51	208.00	84
59.00	86	91.00	964	141.00	1811	211.00	57
60.00	1912	92.00	5477	142.00	173	233.00	62
61.00	10389	93.00	7965	143.00	1882		
62.00	9964	94.00	22120	144.00	52		
63.00	7681	95.00	164672	145.00	199		
64.00	986	96.00	10701	146.00	337		

Data File: /chem1/nt10.i/12AUG10.b/08121007.d

Date : 12-AUG-2010 12:45

Client ID: BFB0812A

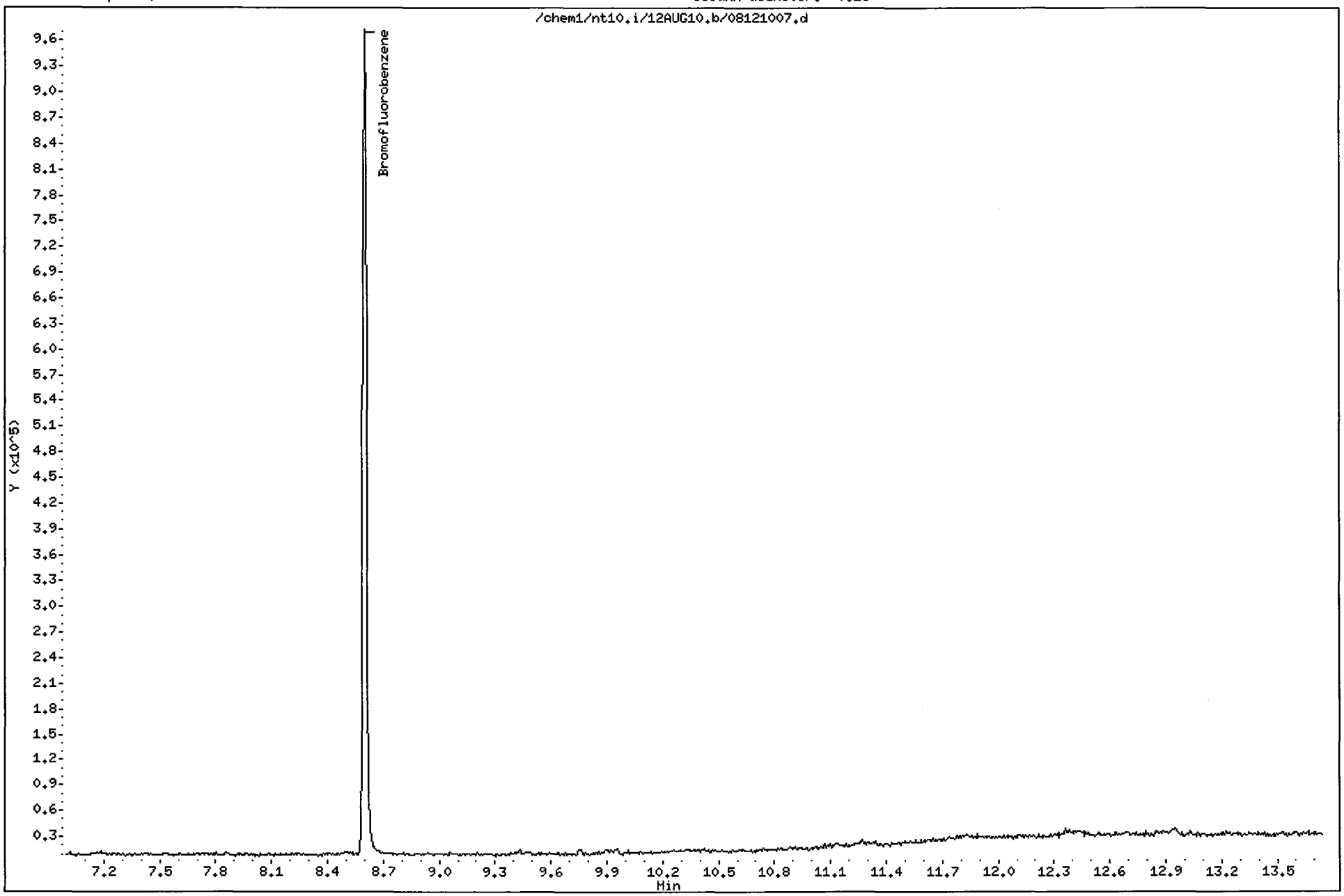
Sample Info: BFB0812A,BFB0812A,1,081210,,

Column phase: RTXVMS

Instrument: nt10.i

Operator: PC

Column diameter: 0.18



PC 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121008.d
Lab Smp Id: CC0812 Client Smp ID: CC0812
Inj Date : 12-AUG-2010 13:16
Operator : PC Inst ID: nt10.i
Smp Info : CC0812,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:57 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.300	(0.248)	550221	10.0000	9.084
2 Chloromethane	50	1.436	1.436	(0.274)	526326	10.0000	9.078
3 Vinyl Chloride	62	1.510	1.510	(0.288)	687362	10.0000	9.504
4 Bromomethane	94	1.795	1.795	(0.343)	414128	10.0000	10.803
5 Chloroethane	64	1.914	1.914	(0.365)	460640	10.0000	10.049
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	799040	10.0000	9.783(Q)
8 Acrolein	56	2.876	2.876	(0.549)	234451	50.0000	49.068
9 112Trichloro122Trifluoroethane	101	2.574	2.574	(0.491)	696951	10.0000	10.561
10 Acetone	43	3.217	3.217	(0.614)	327449	50.0000	49.529
11 1,1-Dichloroethene	96	2.495	2.495	(0.476)	634998	10.0000	10.050
12 Bromoethane	108	2.762	2.762	(0.527)	474786	10.0000	10.139
13 Iodomethane	142	2.626	2.626	(0.501)	977434	10.0000	10.434
14 Methylene Chloride	84	3.138	3.138	(0.599)	572890	10.0000	9.291
15 Acrylonitrile	53	4.014	4.014	(0.766)	99248	10.0000	9.637
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	1193141	10.0000	9.214
17 Carbon Disulfide	76	2.495	2.495	(0.476)	2255283	10.0000	10.197

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	573225	10.0000	9.567
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	624543	10.0000	9.254
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	992012	10.0000	9.473
	22 2-Butanone	43	4.959	4.959	(0.947)	581604	50.0000	48.253
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	667601	10.0000	9.436
	24 Cis-1,2-Dichloroethene	96	4.441	4.441	(0.848)	593699	10.0000	9.343
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	847189	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	1015279	10.0000	9.437
	27 Bromochloromethane	128	4.612	4.612	(0.880)	250804	10.0000	9.576
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	506292	10.0000	10.061
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	852990	10.0000	9.680
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	815972	10.0000	9.460
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	755448	10.0000	9.656
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	547860	10.0000	9.843
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	654753	10.0000	9.536
	34 Benzene	78	5.141	5.141	(0.912)	2297817	10.0000	9.890
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1536870	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	549309	10.0000	9.598
	37 1,2-Dichloropropane	63	5.989	5.989	(1.063)	497048	10.0000	9.450
	38 Bromodichloromethane	83	6.034	6.034	(1.071)	725967	10.0000	9.569
	39 Dibromomethane	93	5.909	5.909	(1.048)	277310	10.0000	9.661
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	202590	10.0000	9.007
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	586601	50.0000	50.203
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	785546	10.0000	9.445
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1831740	10.0000	9.920
	44 Toluene	92	6.660	6.660	(1.182)	1340573	10.0000	9.649
	45 Trans 1,3-Dichloropropene	75	6.495	6.495	(1.152)	785546	10.0000	11.081(Q)
	46 2-Hexanone	43	7.537	7.537	(0.976)	895913	50.0000	50.298
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	346706	10.0000	9.422
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	626979	10.0000	9.663
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	493832	10.0000	9.992
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	424989	10.0000	9.849
	51 1,2-Dibromoethane	107	7.361	7.361	(1.306)	334390	10.0000	9.339
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1346899	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	1447530	10.0000	9.911(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	125774	10.0000	9.872(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.782	(1.007)	508637	10.0000	10.187
	56 m,p-xylene	106	7.861	7.861	(1.018)	1969877	20.0000	20.561
	58 o-Xylene	106	8.169	8.169	(1.057)	934029	10.0000	9.930
	59 Styrene	104	8.208	8.208	(1.063)	1512176	10.0000	10.050
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	2505699	10.0000	10.171
	61 Bromoform	173	8.226	8.226	(0.873)	240550	10.0000	9.951
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	452095	10.0000	9.619
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	636354	10.0000	9.575
	64 1,2,3-Trichloropropane	110	8.857	8.857	(0.940)	134793	10.0000	9.824
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	133378	10.0000	10.962
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	3093264	10.0000	10.459

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	526227	10.0000	9.590
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	2044074	10.0000	9.869
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	1984361	10.0000	9.823
	70 4-Chloro Toluene	91	8.937	8.937	(0.948)	1867413	10.0000	9.926
	71 T-Butyl Benzene	119	9.079	9.079	(0.963)	1676360	10.0000	9.729
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	2045449	10.0000	9.917
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	2611885	10.0000	10.039
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	2056734	10.0000	9.820
	75 1,3-Dichlorobenzene	146	9.375	9.375	(0.995)	1085701	10.0000	9.875
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	700409	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	1133425	10.0000	9.853(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	2094815	10.0000	9.930
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	622116	10.0000	9.967
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	995103	10.0000	9.791(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	63845	10.0000	9.104(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	471283	10.0000	9.207
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	185333	10.0000	8.461
	84 Naphthalene	128	11.168	11.168	(1.185)	890648	10.0000	8.766
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	346890	10.0000	8.581

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt10.i Injection Date: 12-AUG-2010 13:16
Lab File ID: 08121008.d Init. Cal. Date(s): 10-AUG-2010 10-AUG-2010
Analysis Type: WATER Init. Cal. Times: 16:50 19:47
Lab Sample ID: CC0812 Quant Type: ISTD
Method: /chem1/nt10.i/12AUG10.b/82600806L.m

COMPOUND	RRF / AMOUNT	RF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.71494	0.64947	0.010	-9.15784	20.00000	Averaged
2 Chloromethane	0.68437	0.62126	0.100	-9.22119	20.00000	Averaged
3 Vinyl Chloride	0.85373	0.81134	0.100	-4.96486	20.00000	Averaged
4 Bromomethane	0.45248	0.48883	0.100	8.03324	20.00000	Averaged
5 Chloroethane	0.54106	0.54373	0.010	0.49395	20.00000	Averaged
6 Trichlorofluoromethane	0.96411	0.94317	0.010	-2.17203	20.00000	Averaged
8 Acrolein	0.05640	0.05535	0.000	-1.86468	20.00000	Averaged
9 112Trichloro122Trifluoroeth	0.77893	0.82266	0.010	5.61494	20.00000	Averaged
10 Acetone	0.07804	0.07730	0.001	-0.94248	20.00000	Averaged
11 1,1-Dichloroethene	0.74580	0.74954	0.100	0.50044	20.00000	Averaged
12 Bromoethane	0.55274	0.56043	0.100	1.39039	20.00000	Averaged
13 Iodomethane	1.10577	1.15374	0.010	4.33841	20.00000	Averaged
14 Methylene Chloride	0.72779	0.67622	0.010	-7.08500	20.00000	Averaged
15 Acrylonitrile	0.12156	0.11715	0.001	-3.62922	20.00000	Averaged
16 Methyl tert butyl ether	1.52856	1.40835	0.100	-7.86400	20.00000	Averaged
17 Carbon Disulfide	2.61076	2.66208	0.010	1.96572	20.00000	Averaged
18 Trans-1,2-Dichloroethene	0.70725	0.67662	0.010	-4.33062	20.00000	Averaged
20 Vinyl Acetate	0.79658	0.73719	0.010	-7.45526	20.00000	Averaged
21 1,1-Dichloroethane	1.23603	1.17094	0.200	-5.26567	20.00000	Averaged
22 2-Butanone	0.14227	0.13730	0.001	-3.49463	20.00000	Averaged
23 2,2-Dichloropropane	0.83513	0.78802	0.010	-5.64169	20.00000	Averaged
24 Cis-1,2-Dichloroethene	0.75009	0.70079	0.010	-6.57310	20.00000	Averaged
26 Chloroform	1.26993	1.19841	0.200	-5.63185	20.00000	Averaged
27 Bromochloromethane	0.30915	0.29604	0.050	-4.23904	20.00000	Averaged
$ 28 Dibromofluoromethane	0.59402	0.59761	0.100	0.60503	20.00000	Averaged
29 1,1,1-Trichloroethane	1.04015	1.00685	0.100	-3.20192	20.00000	Averaged
30 1,1-Dichloropropene	0.56124	0.53093	0.010	-5.40063	20.00000	Averaged
31 Carbon Tetrachloride	0.50908	0.49155	0.100	-3.44282	20.00000	Averaged
$ 32 d4-1,2-Dichloroethane	0.65701	0.64668	0.010	-1.57287	20.00000	Averaged
33 1,2-Dichloroethane	0.44674	0.42603	0.100	-4.63560	20.00000	Averaged
34 Benzene	1.51179	1.49513	0.500	-1.10242	20.00000	Averaged
36 Trichloroethene	0.37238	0.35742	0.100	-4.01758	20.00000	Averaged
37 1,2-Dichloropropane	0.34223	0.32342	0.100	-5.49776	20.00000	Averaged
38 Bromodichloromethane	0.49366	0.47237	0.100	-4.31237	20.00000	Averaged
39 Dibromomethane	0.18677	0.18044	0.010	-3.39134	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt10.i Injection Date: 12-AUG-2010 13:16
Lab File ID: 08121008.d Init. Cal. Date(s): 10-AUG-2010 10-AUG-2010
Analysis Type: WATER Init. Cal. Times: 16:50 19:47
Lab Sample ID: CC0812 Quant Type: ISTD
Method: /chem1/nt10.i/12AUG10.b/82600806L.m

COMPOUND	RRF / AMOUNT	RF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
40 2-Chloroethyl Vinyl Ether	0.14636	0.13182	0.000	-9.93195	20.00000	Averaged
41 4-Methyl-2-Pentanone	0.07603	0.07634	0.000	0.40635	20.00000	Averaged
42 Cis 1,3-dichloropropene	0.54119	0.51113	0.200	-5.55339	20.00000	Averaged
$ 43 d8-Toluene	1.20147	1.19186	0.010	-0.79945	20.00000	Averaged
44 Toluene	0.90398	0.87227	0.400	-3.50770	20.00000	Averaged
45 Trans 1,3-Dichloropropene	0.46125	0.51113	0.010	10.81467	20.00000	Averaged
46 2-Hexanone	0.13224	0.13303	0.010	0.59635	20.00000	Averaged
47 1,1,2-Trichloroethane	0.23942	0.22559	0.100	-5.77626	20.00000	Averaged
48 1,3-Dichloropropane	0.48171	0.46550	0.100	-3.36583	20.00000	Averaged
49 Tetrachloroethene	0.36694	0.36664	0.200	-0.08045	20.00000	Averaged
50 Chlorodibromomethane	0.32036	0.31553	0.100	-1.50854	20.00000	Averaged
51 1,2-Dibromoethane	0.23298	0.21758	0.010	-6.60964	20.00000	Averaged
53 Chlorobenzene	1.08440	1.07471	0.500	-0.89290	20.00000	Averaged
54 Ethyl Benzene	0.09459	0.09338	0.100	-1.27867	20.00000	Averaged
55 1,1,1,2-Tetrachloroethane	0.37071	0.37764	0.010	1.86805	20.00000	Averaged
56 m,p-xylene	0.71131	0.73126	0.300	2.80549	20.00000	Averaged
58 o-Xylene	0.69833	0.69347	0.300	-0.69616	20.00000	Averaged
59 Styrene	1.11712	1.12271	0.300	0.50076	20.00000	Averaged
60 Isopropyl Benzene	3.51724	3.57748	0.010	1.71277	20.00000	Averaged
61 Bromoform	0.34515	0.34344	0.010	-0.49493	20.00000	Averaged
62 1,1,2,2-Tetrachloroethane	0.67104	0.64547	0.100	-3.81042	20.00000	Averaged
$ 63 4-Bromofluorobenzene	0.49342	0.47246	0.200	-4.24807	20.00000	Averaged
64 1,2,3-Trichloropropane	0.19591	0.19245	0.010	-1.76454	20.00000	Averaged
65 Trans-1,4-Dichloro 2-Butene	0.17371	0.19043	0.001	9.62300	20.00000	Averaged
66 N-Propyl Benzene	4.22252	4.41636	0.010	4.59069	20.00000	Averaged
67 Bromobenzene	0.78346	0.75131	0.010	-4.10313	20.00000	Averaged
68 1,3,5-Trimethyl Benzene	2.95709	2.91840	0.010	-1.30843	20.00000	Averaged
69 2-Chloro Toluene	2.88413	2.83314	0.010	-1.76791	20.00000	Averaged
70 4-Chloro Toluene	2.68611	2.66617	0.010	-0.74206	20.00000	Averaged
71 T-Butyl Benzene	2.46007	2.39340	0.010	-2.70998	20.00000	Averaged
72 1,2,4-Trimethylbenzene	2.94480	2.92036	0.010	-0.82996	20.00000	Averaged
73 S-Butyl Benzene	3.71465	3.72908	0.010	0.38862	20.00000	Averaged
74 4-Isopropyl Toluene	2.99035	2.93647	0.010	-1.80157	20.00000	Averaged
75 1,3-Dichlorobenzene	1.56965	1.55009	0.600	-1.24592	20.00000	Averaged
77 1,4-Dichlorobenzene	1.64233	1.61823	0.500	-1.46696	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt10.i Injection Date: 12-AUG-2010 13:16
Lab File ID: 08121008.d Init. Cal. Date(s): 10-AUG-2010 10-AUG-2010
Analysis Type: WATER Init. Cal. Times: 16:50 19:47
Lab Sample ID: CC0812 Quant Type: ISTD
Method: /chem1/nt10.i/12AUG10.b/82600806L.m

COMPOUND	RRF / AMOUNT	RF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
78 N-Butyl Benzene	3.01187	2.99084	0.010	-0.69819	20.00000	Averaged
$ 79 d4-1,2-Dichlorobenzene	0.89119	0.88822	0.010	-0.33330	20.00000	Averaged
80 1,2-Dichlorobenzene	1.45110	1.42075	0.400	-2.09174	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.10013	0.09115	0.010	-8.96094	20.00000	Averaged
82 1,2,4-Trichlorobenzene	0.73080	0.67287	0.010	-7.92703	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	0.31275	0.26461	0.010	-15.39262	20.00000	Averaged
84 Naphthalene	1.45059	1.27161	0.010	-12.33825	20.00000	Averaged
85 1,2,3-Trichlorobenzene	0.57719	0.49527	0.010	-14.19375	20.00000	Averaged

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121008.d
Lab Smp Id: CC0812
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 12-AUG-2010
Calibration Time: 10:15
Client Smp ID: CC0812
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	847189	4.61
35 1,4-Difluorobenze	1494542	747271	2989084	1536870	2.83
52 d5-Chlorobenzene	1406726	703363	2813452	1346899	-4.25
76 d4-1,4-Dichlorobe	781222	390611	1562444	700409	-10.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

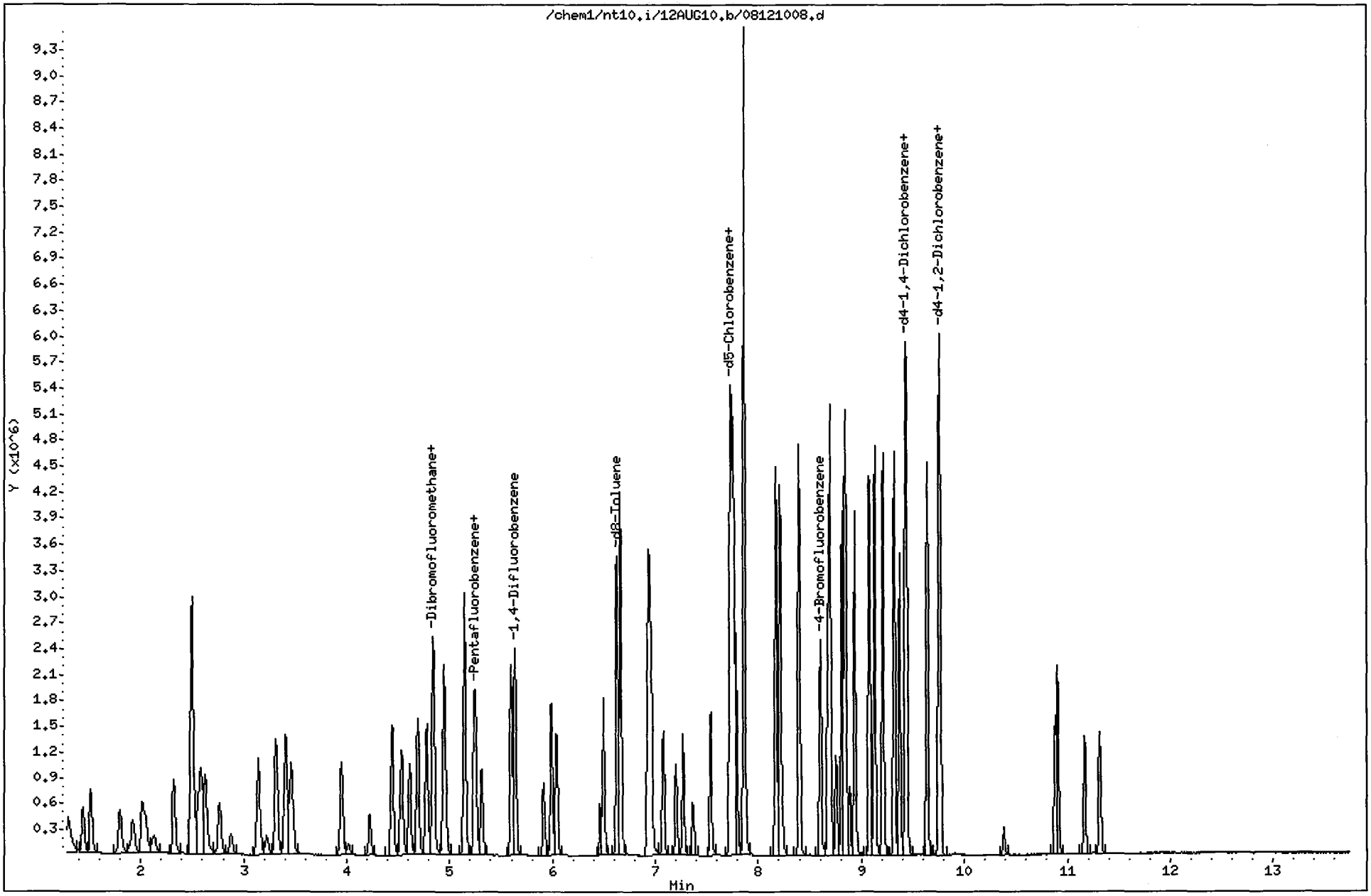
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt10.i/12AUG10.b/08121008.d
Date : 12-AUG-2010 13:16
Client ID: CC0812
Sample Info: CC0812,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



RG914:99627

RK 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121009.d
Lab Smp Id: LCS0812 Client Smp ID: LCS0812
Inj Date : 12-AUG-2010 13:41
Operator : PC Inst ID: nt10.i
Smp Info : LCS0812,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:57 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	1.300	1.300	(0.248)	573182	9.19695	9.197
2 Chloromethane	50	1.436	1.436	(0.274)	537974	9.01763	9.018
3 Vinyl Chloride	62	1.510	1.510	(0.288)	723933	9.72745	9.727
4 Bromomethane	94	1.795	1.795	(0.343)	441287	11.1878	11.188
5 Chloroethane	64	1.914	1.914	(0.365)	483486	10.2509	10.251
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	872662	10.3835	10.383(Q)
8 Acrolein	56	2.876	2.876	(0.549)	260913	53.0691	53.069
9 112Trichloro122Trifluoroethane	101	2.574	2.574	(0.491)	706320	10.4022	10.402
10 Acetone	43	3.223	3.217	(0.615)	404759	59.4993	59.499
11 1,1-Dichloroethene	96	2.495	2.495	(0.476)	651691	10.0239	10.024
12 Bromoethane	108	2.762	2.762	(0.527)	500936	10.3964	10.396
13 Iodomethane	142	2.626	2.626	(0.501)	1013127	10.5105	10.510
14 Methylene Chloride	84	3.138	3.138	(0.599)	604111	9.52210	9.522
15 Acrylonitrile	53	4.014	4.014	(0.766)	115170	10.8684	10.868
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	1304252	9.78815	9.788
17 Carbon Disulfide	76	2.495	2.495	(0.476)	2385753	10.4829	10.483

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	602148	9.76682	9.767
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	676179	9.73763	9.738
	21 1,1-Dichloroethane	63	3.946	3.946	(0.753)	1053015	9.77298	9.773
	22 2-Butanone	43	4.959	4.959	(0.947)	672066	54.1886	54.189
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	722797	9.92845	9.928
	24 Cis-1,2-Dichloroethene	96	4.441	4.441	(0.848)	638705	9.76805	9.768
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	871724	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	1079819	9.75423	9.754
	27 Bromochloromethane	128	4.612	4.612	(0.880)	265683	9.85870	9.859
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	538361	10.3967	10.397
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	902384	9.95212	9.952
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	869108	9.49941	9.499
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	809203	9.75096	9.751
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	590610	10.3121	10.312
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	705702	9.69036	9.690
	34 Benzene	78	5.141	5.141	(0.912)	2433185	9.87314	9.873
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1630149	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	583817	9.61749	9.617
	37 1,2-Dichloropropane	63	5.989	5.989	(1.063)	532431	9.54370	9.544
	38 Bromodichloromethane	83	6.034	6.034	(1.071)	779232	9.68312	9.683
	39 Dibromomethane	93	5.909	5.909	(1.048)	296435	9.73623	9.736
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	221291	9.27522	9.275
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	658056	53.0959	53.096
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	835476	9.47019	9.470
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1957571	9.99488	9.995
	44 Toluene	92	6.660	6.660	(1.182)	1426370	9.67931	9.679
	45 Trans 1,3-Dichloropropene	75	6.495	6.495	(1.152)	833147	11.0804	11.080(Q)
	46 2-Hexanone	43	7.537	7.537	(0.976)	1010749	51.4740	51.474
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	374301	9.59024	9.590
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	684090	9.56421	9.564
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	531598	9.75691	9.757
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	461331	9.69820	9.698
	51 1,2-Dibromoethane	107	7.360	7.361	(1.306)	359762	9.47271	9.473
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1484831	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	1582228	9.82662	9.827(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	137822	9.81291	9.813(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.787	7.782	(1.008)	568855	10.3345	10.335
	56 m,p-xylene	106	7.861	7.861	(1.018)	2185159	20.6894	20.689
	58 o-Xylene	106	8.169	8.169	(1.057)	1051881	10.1445	10.144
	59 Styrene	104	8.208	8.208	(1.063)	1682272	10.1419	10.142
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	2890603	10.1013	10.101
	61 Bromoform	173	8.226	8.226	(0.873)	273651	9.74500	9.745
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	512875	9.39407	9.394
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	718973	9.81339	9.813
	64 1,2,3-Trichloropropane	110	8.852	8.857	(0.939)	151696	9.51744	9.517
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	154976	10.9654	10.965
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	3574411	10.4046	10.405

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	67 Bromobenzene	156	8.675	8.675	(0.920)	595343	9.33991	9.340
	68 1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	2417310	10.0475	10.048
	69 2-Chloro Toluene	91	8.812	8.812	(0.935)	2320256	9.88810	9.888
	70 4-Chloro Toluene	91	8.937	8.937	(0.948)	2128576	9.73999	9.740
	71 T-Butyl Benzene	119	9.079	9.079	(0.963)	2015608	10.0705	10.071
	72 1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	2438073	10.1761	10.176
	73 S-Butyl Benzene	105	9.210	9.210	(0.977)	3181500	10.5270	10.527
	74 4-Isopropyl Toluene	119	9.318	9.318	(0.989)	2482559	10.2040	10.204
	75 1,3-Dichlorobenzene	146	9.375	9.375	(0.995)	1271474	9.95626	9.956
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	813594	10.0000	
	77 1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	1308053	9.78946	9.789(Q)
	78 N-Butyl Benzene	91	9.637	9.637	(1.022)	2567470	10.4776	10.478
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	738289	10.1824	10.182
	80 1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	1178896	9.98552	9.986(Q)
	81 1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	77376	9.49842	9.498(Q)
	82 1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	598358	10.0637	10.064
	83 Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	247771	9.73757	9.738
	84 Naphthalene	128	11.168	11.168	(1.185)	1125730	9.53855	9.539
	85 1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	438181	9.33093	9.331

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121009.d
Lab Smp Id: LCS0812
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 12-AUG-2010
Calibration Time: 13:16
Client Smp ID: LCS0812
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	871724	7.64
35 1,4-Difluorobenze	1494542	747271	2989084	1630149	9.07
52 d5-Chlorobenzene	1406726	703363	2813452	1484831	5.55
76 d4-1,4-Dichlorobe	781222	390611	1562444	813594	4.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 12AUG10
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCS0812 Client Smp ID: LCS0812
Level: LOW Operator: PC
Data Type: MS DATA SampleType: LCS
SpikeList File: allspike.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	10.000	9.197	91.97	59-129
2	Chloromethane	10.000	9.018	90.18	66-123
3	Vinyl Chloride	10.000	9.727	97.27	68-121
4	Bromomethane	10.000	11.188	111.88	55-148
5	Chloroethane	10.000	10.251	102.51	47-155
6	Trichlorofluoromet	10.000	10.383	103.83	70-129
8	Acrolein	50.000	53.069	106.14	24-170
9	112Trichloro122Tri	10.000	10.402	104.02	74-127
10	Acetone	50.000	59.499	119.00	70-130
11	1,1-Dichloroethene	10.000	10.024	100.24	72-120
12	Bromoethane	10.000	10.396	103.96	73-131
13	Iodomethane	10.000	10.510	105.10	34-183
14	Methylene Chloride	10.000	9.522	95.22	70-124
15	Acrylonitrile	10.000	10.868	108.68	71-135
17	Carbon Disulfide	10.000	10.483	104.83	66-129
16	Methyl tert butyl	10.000	9.788	97.88	78-120
18	Trans-1,2-Dichloro	10.000	9.767	97.67	76-120
20	Vinyl Acetate	10.000	9.738	97.38	49-134
21	1,1-Dichloroethane	10.000	9.773	97.73	75-120
22	2-Butanone	50.000	54.189	108.38	78-131
23	2,2-Dichloropropan	10.000	9.928	99.28	68-121
24	Cis-1,2-Dichloroet	10.000	9.768	97.68	80-120
26	Chloroform	10.000	9.754	97.54	78-120
27	Bromochloromethane	10.000	9.859	98.59	79-120
29	1,1,1-Trichloroeth	10.000	9.952	99.52	76-120
30	1,1-Dichloropropen	10.000	9.499	94.99	78-120
31	Carbon Tetrachlori	10.000	9.751	97.51	70-126
33	1,2-Dichloroethane	10.000	9.690	96.90	78-120
34	Benzene	10.000	9.873	98.73	79-120
36	Trichloroethene	10.000	9.617	96.17	78-120
37	1,2-Dichloropropan	10.000	9.544	95.44	80-120
38	Bromodichlorometha	10.000	9.683	96.83	78-120
39	Dibromomethane	10.000	9.736	97.36	80-120

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	10.000	9.275	92.75	68-134
41 4-Methyl-2-Pentano	50.000	53.096	106.19	73-131
42 Cis 1,3-dichloropr	10.000	9.470	94.70	78-120
44 Toluene	10.000	9.679	96.79	79-120
45 Trans 1,3-Dichloro	10.000	11.080	110.80	75-120
46 2-Hexanone	50.000	51.474	102.95	75-130
47 1,1,2-Trichloroeth	10.000	9.590	95.90	79-120
48 1,3-Dichloropropan	10.000	9.564	95.64	78-120
49 Tetrachloroethene	10.000	9.757	97.57	72-120
50 Chlorodibromometha	10.000	9.698	96.98	78-120
51 1,2-Dibromoethane	10.000	9.473	94.73	75-120
53 Chlorobenzene	10.000	9.827	98.27	79-120
55 1,1,1,2-Tetrachlor	10.000	10.335	103.35	75-120
54 Ethyl Benzene	10.000	9.813	98.13	78-120
56 m,p-xylene	20.000	20.689	103.45	65-129
58 o-Xylene	10.000	10.144	101.44	76-120
59 Styrene	10.000	10.142	101.42	74-121
60 Isopropyl Benzene	10.000	10.101	101.01	74-120
61 Bromoform	10.000	9.745	97.45	71-120
62 1,1,2,2-Tetrachlor	10.000	9.394	93.94	70-120
64 1,2,3-Trichloropro	10.000	9.517	95.17	73-120
65 Trans-1,4-Dichloro	10.000	10.965	109.65	65-135
66 N-Propyl Benzene	10.000	10.405	104.05	76-121
67 Bromobenzene	10.000	9.340	93.40	72-120
68 1,3,5-Trimethyl Be	10.000	10.048	100.48	74-123
69 2-Chloro Toluene	10.000	9.888	98.88	74-120
70 4-Chloro Toluene	10.000	9.740	97.40	75-120
71 T-Butyl Benzene	10.000	10.071	100.71	73-121
72 1,2,4-Trimethylben	10.000	10.176	101.76	73-124
73 S-Butyl Benzene	10.000	10.527	105.27	75-123
74 4-Isopropyl Toluen	10.000	10.204	102.04	71-125
75 1,3-Dichlorobenzen	10.000	9.956	99.56	72-120
77 1,4-Dichlorobenzen	10.000	9.789	97.89	76-120
78 N-Butyl Benzene	10.000	10.478	104.78	72-124
80 1,2-Dichlorobenzen	10.000	9.986	99.86	75-120
81 1,2-Dibromo 3-Chlo	10.000	9.498	94.98	67-121
82 1,2,4-Trichloroben	10.000	10.064	100.64	71-120
83 Hexachloro 1,3-But	10.000	9.738	97.38	67-124
84 Naphthalene	10.000	9.539	95.39	71-125
85 1,2,3-Trichloroben	10.000	9.331	93.31	61-134

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	10.397	103.97	60-130

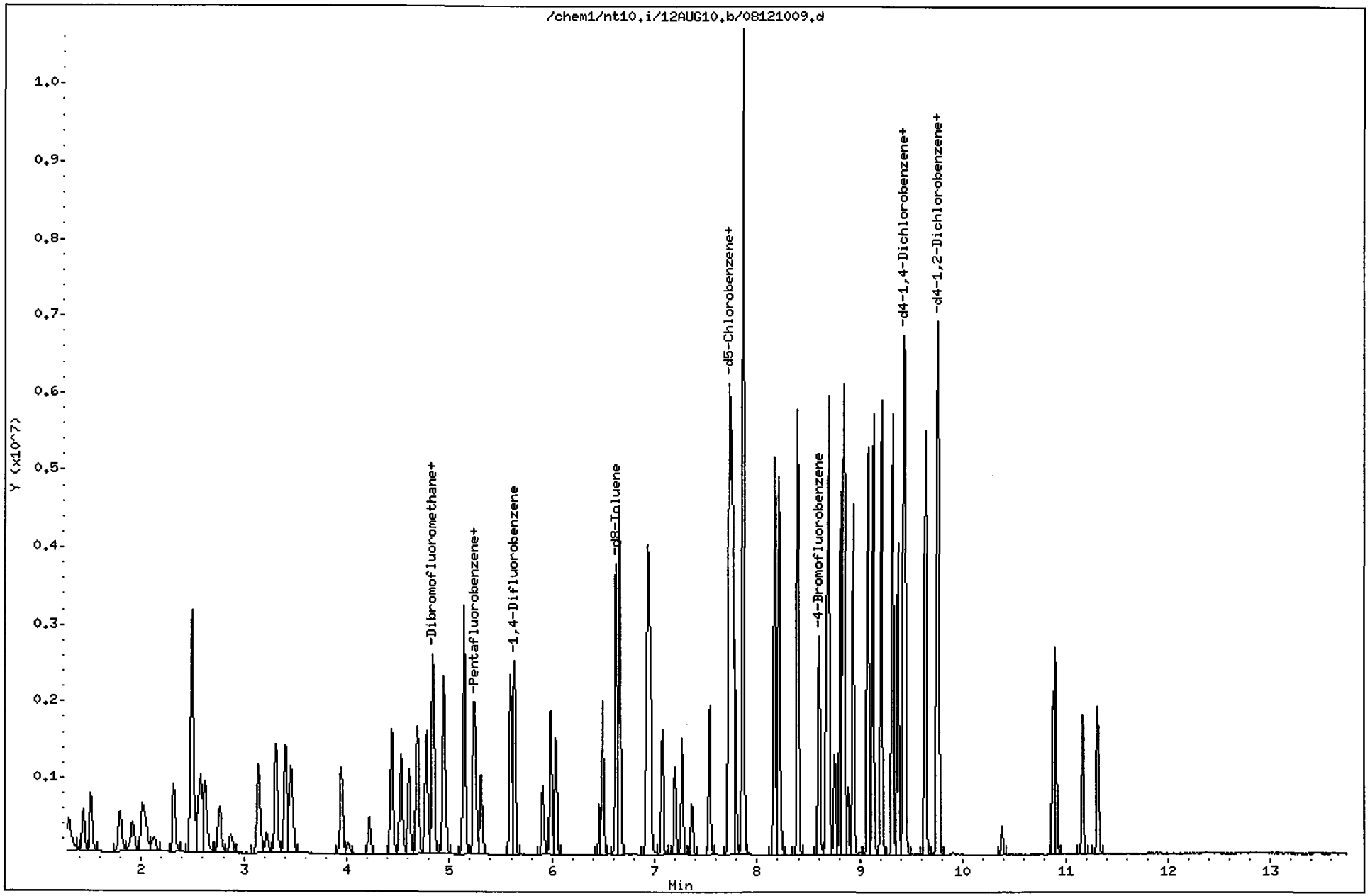
SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 32 d4-1,2-Dichloroeth	10.000	10.312	103.12	80-143
$ 43 d8-Toluene	10.000	9.995	99.95	80-120
$ 63 4-Bromofluorobenze	10.000	9.813	98.13	80-120
$ 79 d4-1,2-Dichloroben	10.000	10.182	101.82	80-120

Data File: /chem1/nt10.i/12AUG10.b/08121009.d
Date : 12-AUG-2010 13:41
Client ID: LCS0812
Sample Info: LCS0812,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



RG91:66635

PC 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121010.d
Lab Smp Id: LCSD0812 Client Smp ID: LCSD0812
Inj Date : 12-AUG-2010 14:06
Operator : PC Inst ID: nt10.i
Smp Info : LCSD0812,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:57 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	1.299	1.300	(0.248)	588033	9.49318	9.493
2 Chloromethane	50	1.436	1.436	(0.274)	570469	9.62105	9.621
3 Vinyl Chloride	62	1.510	1.510	(0.288)	743573	10.0527	10.053
4 Bromomethane	94	1.795	1.795	(0.343)	437650	11.1637	11.164
5 Chloroethane	64	1.914	1.914	(0.365)	507487	10.8259	10.826
6 Trichlorofluoromethane	101	2.011	2.011	(0.384)	877859	10.5094	10.509(Q)
8 Acrolein	56	2.876	2.876	(0.549)	252158	51.6033	51.603
9 112Trichloro122Trifluoroethane	101	2.580	2.574	(0.493)	697337	10.3330	10.333
10 Acetone	43	3.223	3.217	(0.615)	358718	53.0552	53.055
11 1,1-Dichloroethene	96	2.495	2.495	(0.476)	662076	10.2462	10.246
12 Bromoethane	108	2.762	2.762	(0.527)	506712	10.5808	10.581
13 Iodomethane	142	2.626	2.626	(0.501)	1015124	10.5959	10.596
14 Methylene Chloride	84	3.143	3.138	(0.600)	610809	9.68679	9.687
15 Acrylonitrile	53	4.020	4.014	(0.767)	109035	10.3526	10.353
16 Methyl tert butyl ether	73	3.462	3.462	(0.661)	1311929	9.90622	9.906
17 Carbon Disulfide	76	2.495	2.495	(0.476)	2387417	10.5546	10.555

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	3.314	3.314	(0.633)	609732	9.95055	9.951
	20 Vinyl Acetate	43	4.225	4.225	(0.807)	677786	9.82071	9.821
	21 1,1-Dichloroethane	63	3.952	3.946	(0.754)	1059759	9.89596	9.896
	22 2-Butanone	43	4.959	4.959	(0.947)	635521	51.5566	51.557
	23 2,2-Dichloropropane	77	4.532	4.532	(0.865)	708809	9.79610	9.796
	24 Cis-1,2-Dichloroethene	96	4.447	4.441	(0.849)	638478	9.82453	9.825
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	866403	10.0000	
	26 Chloroform	83	4.691	4.691	(0.896)	1090084	9.90741	9.907
	27 Bromochloromethane	128	4.612	4.612	(0.880)	261592	9.76650	9.767
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	534696	10.3893	10.389
	29 1,1,1-Trichloroethane	97	4.839	4.839	(0.924)	911378	10.1130	10.113
	30 1,1-Dichloropropene	75	4.942	4.942	(0.877)	868978	9.62451	9.625
	31 Carbon Tetrachloride	117	4.777	4.777	(0.848)	806719	9.85052	9.851
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	587169	10.3150	10.315
	33 1,2-Dichloroethane	62	5.312	5.312	(0.942)	714036	9.93541	9.935
	34 Benzene	78	5.141	5.141	(0.912)	2443007	10.0450	10.045
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1608719	10.0000	
	36 Trichloroethene	130	5.596	5.596	(0.993)	581525	9.70735	9.707
	37 1,2-Dichloropropane	63	5.989	5.989	(1.063)	530558	9.63681	9.637
	38 Bromodichloromethane	83	6.040	6.034	(1.072)	766270	9.64889	9.649
	39 Dibromomethane	93	5.909	5.909	(1.048)	293021	9.75231	9.752
	40 2-Chloroethyl Vinyl Ether	63	6.461	6.461	(1.146)	220126	9.34933	9.349
	41 4-Methyl-2-Pentanone	58	6.945	6.945	(1.232)	639950	52.3228	52.323
	42 Cis 1,3-dichloropropene	75	6.495	6.495	(1.152)	825980	9.48727	9.487
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1886935	9.76257	9.763
	44 Toluene	92	6.660	6.660	(1.182)	1416344	9.73930	9.739
	45 Trans 1,3-Dichloropropene	75	6.495	6.495	(1.152)	825980	11.1315	11.131(Q)
	46 2-Hexanone	43	7.537	7.537	(0.976)	982692	53.0098	53.010
	47 1,1,2-Trichloroethane	97	7.076	7.076	(1.255)	364281	9.45785	9.458
	48 1,3-Dichloropropane	76	7.269	7.269	(0.941)	674627	9.99064	9.991
	49 Tetrachloroethene	166	6.928	6.928	(0.897)	515876	10.0292	10.029
	50 Chlorodibromomethane	129	7.195	7.195	(0.931)	447923	9.97416	9.974
	51 1,2-Dibromoethane	107	7.360	7.361	(1.306)	351432	9.37664	9.377
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1401790	10.0000	
	53 Chlorobenzene	112	7.736	7.736	(1.001)	1527713	10.0501	10.050(Q)
	54 Ethyl Benzene	105	7.759	7.759	(1.004)	132773	10.0135	10.013(Q)
	55 1,1,1,2-Tetrachloroethane	131	7.782	7.782	(1.007)	540067	10.3927	10.393
	56 m,p-xylene	106	7.861	7.861	(1.018)	2061562	20.6755	20.675
	58 o-Xylene	106	8.169	8.169	(1.057)	994436	10.1586	10.159
	59 Styrene	104	8.208	8.208	(1.063)	1659372	10.5965	10.597
	60 Isopropyl Benzene	105	8.396	8.396	(0.891)	2697516	10.3791	10.379
	61 Bromoform	173	8.225	8.226	(0.873)	260603	10.2181	10.218
	62 1,1,2,2-Tetrachloroethane	83	8.755	8.755	(0.929)	493635	9.95532	9.955
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	673833	9.74210	9.742
	64 1,2,3-Trichloropropane	110	8.851	8.857	(0.939)	146135	10.0950	10.095
	65 Trans-1,4-Dichloro 2-Butene	53	8.886	8.886	(0.943)	151289	11.7862	11.786
	66 N-Propyl Benzene	91	8.698	8.698	(0.923)	3284423	10.5265	10.527

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
67	Bromobenzene	156	8.681	8.675	(0.921)	563007	9.72515	9.725
68	1,3,5-Trimethyl Benzene	105	8.840	8.840	(0.938)	2195387	10.0472	10.047
69	2-Chloro Toluene	91	8.812	8.812	(0.935)	2137033	10.0275	10.028
70	4-Chloro Toluene	91	8.937	8.937	(0.948)	1971433	9.93248	9.932
71	T-Butyl Benzene	119	9.079	9.079	(0.963)	1789682	9.84527	9.845
72	1,2,4-Trimethylbenzene	105	9.130	9.130	(0.969)	2179453	10.0159	10.016
73	S-Butyl Benzene	105	9.210	9.210	(0.977)	2796898	10.1896	10.190
74	4-Isopropyl Toluene	119	9.318	9.318	(0.989)	2208329	9.99404	9.994
75	1,3-Dichlorobenzene	146	9.369	9.375	(0.994)	1151363	9.92677	9.927
* 76	d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	738926	10.0000	
77	1,4-Dichlorobenzene	146	9.438	9.438	(1.001)	1201826	9.90333	9.903(Q)
78	N-Butyl Benzene	91	9.637	9.637	(1.022)	2240730	10.0682	10.068
$ 79	d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	654935	9.94552	9.946
80	1,2-Dichlorobenzene	146	9.762	9.762	(1.036)	1062952	9.91324	9.913(Q)
81	1,2-Dibromo 3-Chloropropane	75	10.382	10.382	(1.101)	70640	9.54779	9.548(Q)
82	1,2,4-Trichlorobenzene	180	10.906	10.906	(1.157)	523581	9.69584	9.696
83	Hexachloro 1,3-Butadiene	225	10.883	10.883	(1.155)	211020	9.13127	9.131
84	Naphthalene	128	11.168	11.168	(1.185)	1018321	9.50035	9.500
85	1,2,3-Trichlorobenzene	180	11.316	11.316	(1.200)	402496	9.43712	9.437

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121010.d
Lab Smp Id: LCSD0812
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 12-AUG-2010
Calibration Time: 13:16
Client Smp ID: LCSD0812
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	866403	6.98
35 1,4-Difluorobenze	1494542	747271	2989084	1608719	7.64
52 d5-Chlorobenzene	1406726	703363	2813452	1401790	-0.35
76 d4-1,4-Dichlorobe	781222	390611	1562444	738926	-5.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 12AUG10
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: LCSD0812 Client Smp ID: LCSD0812
Level: LOW Operator: PC
Data Type: MS DATA SampleType: LCSD
SpikeList File: allspike.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	10.000	9.493	94.93	59-129
2	Chloromethane	10.000	9.621	96.21	66-123
3	Vinyl Chloride	10.000	10.053	100.53	68-121
4	Bromomethane	10.000	11.164	111.64	55-148
5	Chloroethane	10.000	10.826	108.26	47-155
6	Trichlorofluoromet	10.000	10.509	105.09	70-129
8	Acrolein	50.000	51.603	103.21	24-170
9	112Trichloro122Tri	10.000	10.333	103.33	74-127
10	Acetone	50.000	53.055	106.11	70-130
11	1,1-Dichloroethene	10.000	10.246	102.46	72-120
12	Bromoethane	10.000	10.581	105.81	73-131
13	Iodomethane	10.000	10.596	105.96	34-183
14	Methylene Chloride	10.000	9.687	96.87	70-124
15	Acrylonitrile	10.000	10.353	103.53	71-135
17	Carbon Disulfide	10.000	10.555	105.55	66-129
16	Methyl tert butyl	10.000	9.906	99.06	78-120
18	Trans-1,2-Dichloro	10.000	9.951	99.51	76-120
20	Vinyl Acetate	10.000	9.821	98.21	49-134
21	1,1-Dichloroethane	10.000	9.896	98.96	75-120
22	2-Butanone	50.000	51.557	103.11	78-131
23	2,2-Dichloropropan	10.000	9.796	97.96	68-121
24	Cis-1,2-Dichloroet	10.000	9.825	98.25	80-120
26	Chloroform	10.000	9.907	99.07	78-120
27	Bromochloromethane	10.000	9.767	97.67	79-120
29	1,1,1-Trichloroeth	10.000	10.113	101.13	76-120
30	1,1-Dichloropropen	10.000	9.625	96.25	78-120
31	Carbon Tetrachlori	10.000	9.851	98.51	70-126
33	1,2-Dichloroethane	10.000	9.935	99.35	78-120
34	Benzene	10.000	10.045	100.45	79-120
36	Trichloroethene	10.000	9.707	97.07	78-120
37	1,2-Dichloropropan	10.000	9.637	96.37	80-120
38	Bromodichlorometha	10.000	9.649	96.49	78-120
39	Dibromomethane	10.000	9.752	97.52	80-120

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	10.000	9.349	93.49	68-134
41 4-Methyl-2-Pentano	50.000	52.323	104.65	73-131
42 Cis 1,3-dichloropr	10.000	9.487	94.87	78-120
44 Toluene	10.000	9.739	97.39	79-120
45 Trans 1,3-Dichloro	10.000	11.131	111.31	75-120
46 2-Hexanone	50.000	53.010	106.02	75-130
47 1,1,2-Trichloroeth	10.000	9.458	94.58	79-120
48 1,3-Dichloropropan	10.000	9.991	99.91	78-120
49 Tetrachloroethene	10.000	10.029	100.29	72-120
50 Chlorodibromometha	10.000	9.974	99.74	78-120
51 1,2-Dibromoethane	10.000	9.377	93.77	75-120
53 Chlorobenzene	10.000	10.050	100.50	79-120
55 1,1,1,2-Tetrachlor	10.000	10.393	103.93	75-120
54 Ethyl Benzene	10.000	10.013	100.13	78-120
56 m,p-xylene	20.000	20.675	103.38	65-129
58 o-Xylene	10.000	10.159	101.59	76-120
59 Styrene	10.000	10.597	105.97	74-121
60 Isopropyl Benzene	10.000	10.379	103.79	74-120
61 Bromoform	10.000	10.218	102.18	71-120
62 1,1,2,2-Tetrachlor	10.000	9.955	99.55	70-120
64 1,2,3-Trichloropro	10.000	10.095	100.95	73-120
65 Trans-1,4-Dichloro	10.000	11.786	117.86	65-135
66 N-Propyl Benzene	10.000	10.527	105.27	76-121
67 Bromobenzene	10.000	9.725	97.25	72-120
68 1,3,5-Trimethyl Be	10.000	10.047	100.47	74-123
69 2-Chloro Toluene	10.000	10.028	100.28	74-120
70 4-Chloro Toluene	10.000	9.932	99.32	75-120
71 T-Butyl Benzene	10.000	9.845	98.45	73-121
72 1,2,4-Trimethylben	10.000	10.016	100.16	73-124
73 S-Butyl Benzene	10.000	10.190	101.90	75-123
74 4-Isopropyl Toluen	10.000	9.994	99.94	71-125
75 1,3-Dichlorobenzen	10.000	9.927	99.27	72-120
77 1,4-Dichlorobenzen	10.000	9.903	99.03	76-120
78 N-Butyl Benzene	10.000	10.068	100.68	72-124
80 1,2-Dichlorobenzen	10.000	9.913	99.13	75-120
81 1,2-Dibromo 3-Chlo	10.000	9.548	95.48	67-121
82 1,2,4-Trichloroben	10.000	9.696	96.96	71-120
83 Hexachloro 1,3-But	10.000	9.131	91.31	67-124
84 Naphthalene	10.000	9.500	95.00	71-125
85 1,2,3-Trichloroben	10.000	9.437	94.37	61-134

SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	10.389	103.89	60-130

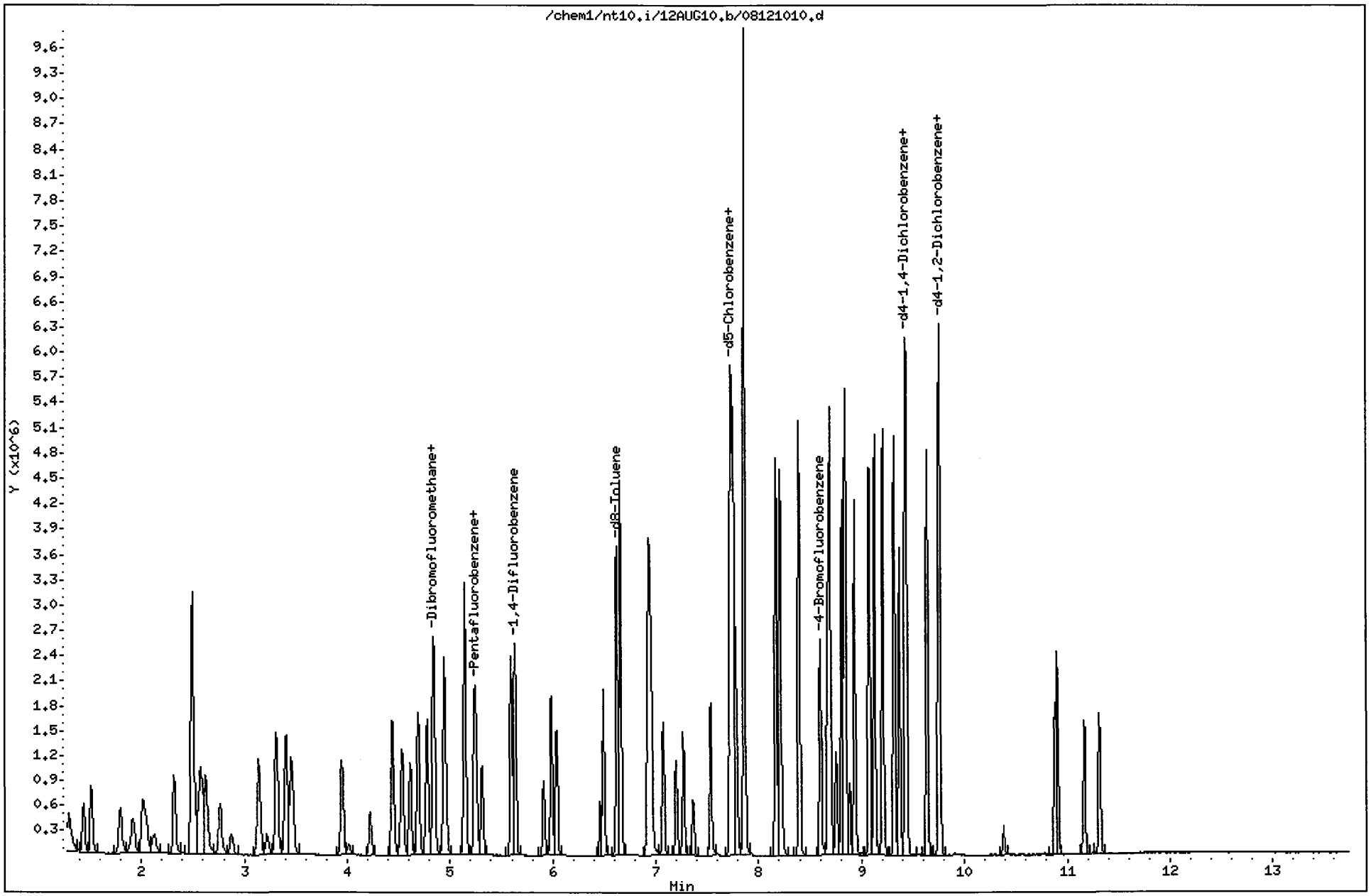
SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 32 d4-1,2-Dichloroeth	10.000	10.315	103.15	80-143
$ 43 d8-Toluene	10.000	9.763	97.63	80-120
$ 63 4-Bromofluorobenze	10.000	9.742	97.42	80-120
$ 79 d4-1,2-Dichloroben	10.000	9.946	99.46	80-120

Data File: /chem1/nt10.i/12AUG10.b/08121010.d
Date : 12-AUG-2010 14:06
Client ID: LCSD0812
Sample Info: LCSD0812,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



PC 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121011.d
Lab Smp Id: MB0812 Client Smp ID: MB0812
Inj Date : 12-AUG-2010 14:32
Operator : PC Inst ID: nt10.i
Smp Info : MB0812,10,10,0,,
Misc Info : 10-
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:58 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
8 Acrolein	56	Compound Not Detected.					
9 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
10 Acetone	43	Compound Not Detected.					
11 1,1-Dichloroethene	96	Compound Not Detected.					
12 Bromoethane	108	Compound Not Detected.					
13 Iodomethane	142	Compound Not Detected.					
14 Methylene Chloride	84	3.143	3.138	(0.600)	6044	0.10464	0.1046
15 Acrylonitrile	53	Compound Not Detected.					
16 Methyl tert butyl ether	73	Compound Not Detected.					
17 Carbon Disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Vinyl Acetate	43	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	Compound Not Detected.					
	23 2,2-Dichloropropane	77	Compound Not Detected.					
	24 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	793652	10.0000	
	26 Chloroform	83	Compound Not Detected.					
	27 Bromochloromethane	128	Compound Not Detected.					
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	474177	10.0579	10.058
	29 1,1,1-Trichloroethane	97	Compound Not Detected.					
	30 1,1-Dichloropropene	75	Compound Not Detected.					
	31 Carbon Tetrachloride	117	Compound Not Detected.					
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	537247	10.3031	10.303
	33 1,2-Dichloroethane	62	Compound Not Detected.					
	34 Benzene	78	Compound Not Detected.					
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1464170	10.0000	
	36 Trichloroethene	130	Compound Not Detected.					
	37 1,2-Dichloropropane	63	Compound Not Detected.					
	38 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1728263	9.82439	9.824
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1317756	10.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	105	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	58 o-Xylene	106	Compound Not Detected.					
	59 Styrene	104	Compound Not Detected.					
	60 Isopropyl Benzene	105	Compound Not Detected.					
	61 Bromoform	173	Compound Not Detected.					
	62 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	643194	9.89214	9.892
	64 1,2,3-Trichloropropane	110	Compound Not Detected.					
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
	69 2-Chloro Toluene	91	Compound Not Detected.					
	70 4-Chloro Toluene	91	Compound Not Detected.					
	71 T-Butyl Benzene	119	Compound Not Detected.					
	72 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	73 S-Butyl Benzene	105	Compound Not Detected.					
	74 4-Isopropyl Toluene	119	Compound Not Detected.					
	75 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	714430	10.0000	
	77 1,4-Dichlorobenzene	146	Compound Not Detected.					
	78 N-Butyl Benzene	91	Compound Not Detected.					
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	658529	10.3430	10.343
	80 1,2-Dichlorobenzene	146	Compound Not Detected.					
	81 1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
	82 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	83 Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
	84 Naphthalene	128	Compound Not Detected.					
	85 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121011.d
Lab Smp Id: MB0812
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

Calibration Date: 12-AUG-2010
Calibration Time: 13:16
Client Smp ID: MB0812
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	793652	-2.00
35 1,4-Difluorobenze	1494542	747271	2989084	1464170	-2.03
52 d5-Chlorobenzene	1406726	703363	2813452	1317756	-6.32
76 d4-1,4-Dichlorobe	781222	390611	1562444	714430	-8.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 12AUG10
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: MB0812 Client Smp ID: MB0812
Level: LOW Operator: PC
Data Type: MS DATA SampleType: BLANK
SpikeList File: allspike.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-

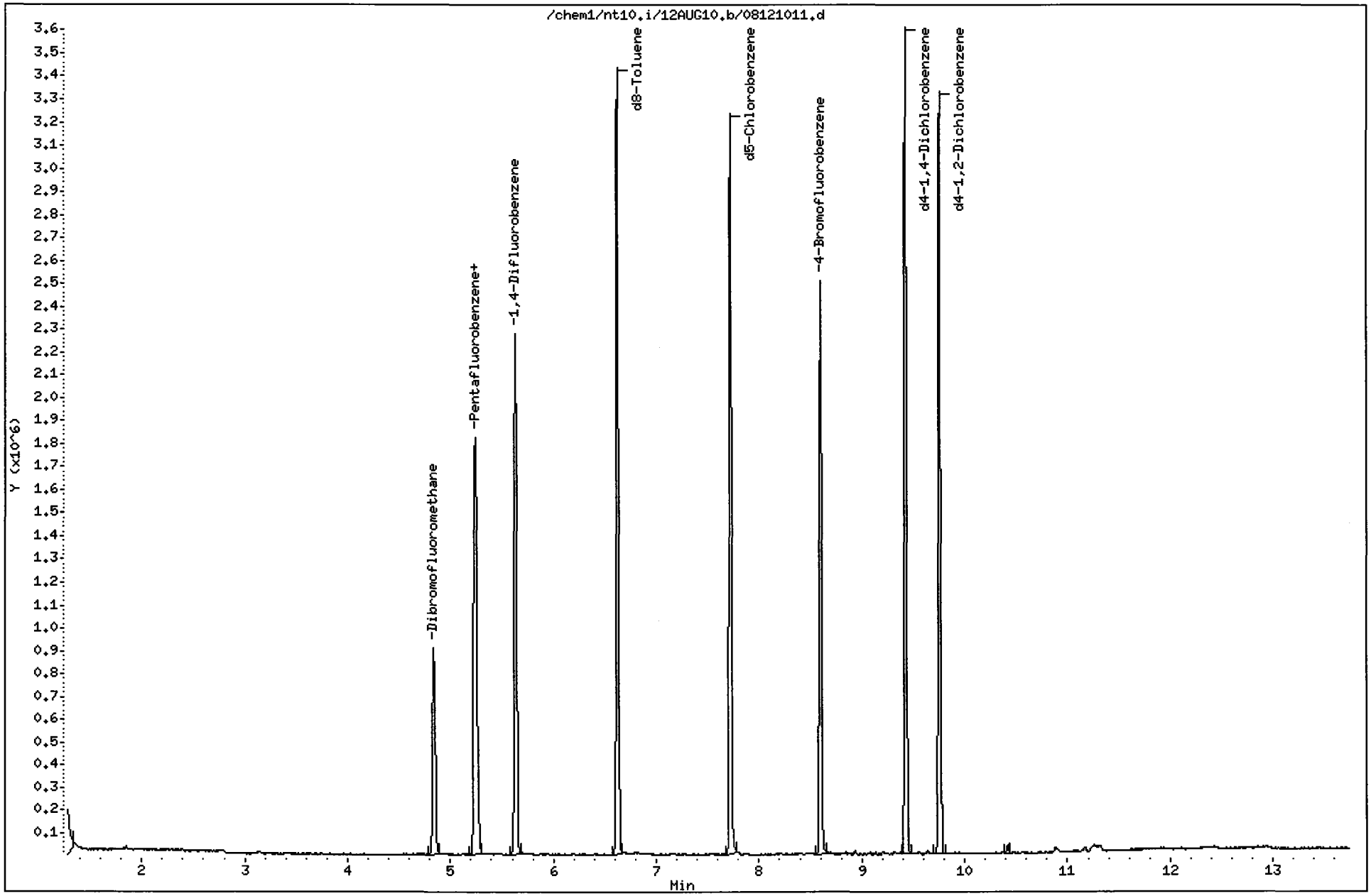
SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	10.058	100.58	60-130
$ 32 d4-1,2-Dichloroeth	10.000	10.303	103.03	80-143
$ 43 d8-Toluene	10.000	9.824	98.24	80-120
$ 63 4-Bromofluorobenze	10.000	9.892	98.92	80-120
$ 79 d4-1,2-Dichloroben	10.000	10.343	103.43	80-120

Data File: /chem1/nt10.i/12AUG10.b/08121011.d
Date : 12-AUG-2010 14:32
Client ID: MB0812
Sample Info: MB0812,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



PC 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121013.d
Lab Smp Id: RG94L Client Smp ID: MW12-TB-080210
Inj Date : 12-AUG-2010 15:29
Operator : PC Inst ID: nt10.i
Smp Info : RG94L,10,10,0,,
Misc Info : 10-18605
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:58 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	1.430	1.436	(0.273)	13666	0.25668	0.2567(Q)
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
8 Acrolein	56	Compound Not Detected.					
9 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
10 Acetone	43	3.223	3.217	(0.615)	7546	1.24292	1.243
11 1,1-Dichloroethene	96	Compound Not Detected.					
12 Bromoethane	108	Compound Not Detected.					
13 Iodomethane	142	Compound Not Detected.					
14 Methylene Chloride	84	3.143	3.138	(0.600)	11750	0.20752	0.2075(Q)
15 Acrylonitrile	53	Compound Not Detected.					
16 Methyl tert butyl ether	73	Compound Not Detected.					
17 Carbon Disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Vinyl Acetate	43	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	Compound Not Detected.					
	23 2,2-Dichloropropane	77	Compound Not Detected.					
	24 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	777978	10.0000	
	26 Chloroform	83	Compound Not Detected.					
	27 Bromochloromethane	128	Compound Not Detected.					
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	464824	10.0582	10.058
	29 1,1,1-Trichloroethane	97	Compound Not Detected.					
	30 1,1-Dichloropropene	75	Compound Not Detected.					
	31 Carbon Tetrachloride	117	Compound Not Detected.					
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	524264	10.2567	10.257
	33 1,2-Dichloroethane	62	Compound Not Detected.					
	34 Benzene	78	Compound Not Detected.					
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1416594	10.0000	
	36 Trichloroethene	130	Compound Not Detected.					
	37 1,2-Dichloropropane	63	Compound Not Detected.					
	38 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1680544	9.87397	9.874
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1280570	10.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	105	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	58 o-Xylene	106	Compound Not Detected.					
	59 Styrene	104	Compound Not Detected.					
	60 Isopropyl Benzene	105	Compound Not Detected.					
	61 Bromoform	173	Compound Not Detected.					
	62 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	614816	9.73028	9.730
	64 1,2,3-Trichloropropane	110	Compound Not Detected.					
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
	69 2-Chloro Toluene	91	Compound Not Detected.					
	70 4-Chloro Toluene	91	Compound Not Detected.					
	71 T-Butyl Benzene	119	Compound Not Detected.					
	72 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	73 S-Butyl Benzene	105	Compound Not Detected.					
	74 4-Isopropyl Toluene	119	Compound Not Detected.					
	75 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	76 d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	687414	10.0000	
	77 1,4-Dichlorobenzene	146	Compound Not Detected.					
	78 N-Butyl Benzene	91	Compound Not Detected.					
$	79 d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	640127	10.4491	10.449
	80 1,2-Dichlorobenzene	146	Compound Not Detected.					
	81 1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
	82 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	83 Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
	84 Naphthalene	128	Compound Not Detected.					
	85 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121013.d
Lab Smp Id: RG94L
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-18605

Calibration Date: 12-AUG-2010
Calibration Time: 13:16
Client Smp ID: MW12-TB-080210
Level: LOW
Sample Type: Water

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	777978	-3.93
35 1,4-Difluorobenze	1494542	747271	2989084	1416594	-5.22
52 d5-Chlorobenzene	1406726	703363	2813452	1280570	-8.97
76 d4-1,4-Dichlorobe	781222	390611	1562444	687414	-12.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: RG94L
Client Smp ID: MW12-TB-080210
Level: LOW
Operator: PC
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-18605

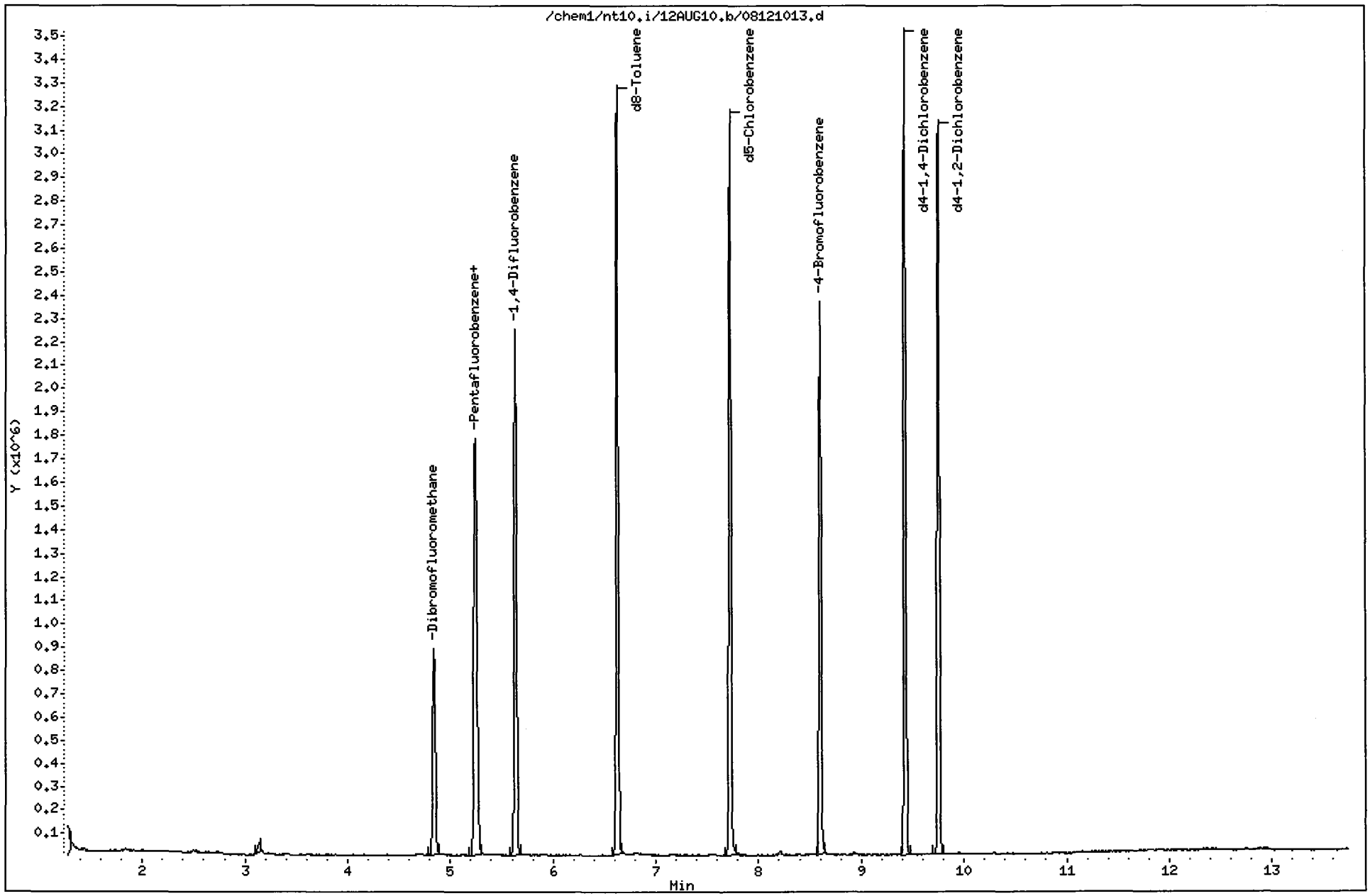
SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	10.058	100.58	60-130
$ 32 d4-1,2-Dichloroeth	10.000	10.257	102.57	80-143
$ 43 d8-Toluene	10.000	9.874	98.74	80-120
$ 63 4-Bromofluorobenze	10.000	9.730	97.30	80-120
$ 79 d4-1,2-Dichloroben	10.000	10.449	104.49	80-120

Data File: /chem1/nt10.i/12AUG10.b/08121013.d
Date : 12-AUG-2010 15:29
Client ID: MW12-TB-080210
Sample Info: RG94L,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



RG94L 55660

RG 8/16/10

Analytical Resources, Inc.

8260C

Data file : /chem1/nt10.i/12AUG10.b/08121025.d
Lab Smp Id: RG94K Client Smp ID: MW12-ER-080210
Inj Date : 12-AUG-2010 20:32
Operator : PC Inst ID: nt10.i
Smp Info : RG94K,10,10,0,,
Misc Info : 10-18604
Comment :
Method : /chem1/nt10.i/12AUG10.b/82600806L.m
Meth Date : 16-Aug-2010 09:58 paul Quant Type: ISTD
Cal Date : 10-AUG-2010 19:47 Cal File: 08101024.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: voa.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	10.00000	Purge Volume (mL)
Sa	10.00000	Sample Amount (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
8 Acrolein	56	2.876	2.876	(0.549)	562	0.12318	0.1232
9 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
10 Acetone	43	3.223	3.217	(0.615)	19196	3.04050	3.041
11 1,1-Dichloroethene	96	Compound Not Detected.					
12 Bromoethane	108	Compound Not Detected.					
13 Iodomethane	142	Compound Not Detected.					
14 Methylene Chloride	84	3.138	3.138	(0.599)	51553	0.87556	0.8756
15 Acrylonitrile	53	Compound Not Detected.					
16 Methyl tert butyl ether	73	Compound Not Detected.					
17 Carbon Disulfide	76	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	18 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Vinyl Acetate	43	Compound Not Detected.					
	21 1,1-Dichloroethane	63	Compound Not Detected.					
	22 2-Butanone	43	4.964	4.959	(0.948)	2216	0.19253	0.1925
	23 2,2-Dichloropropane	77	Compound Not Detected.					
	24 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	25 Pentafluorobenzene	168	5.238	5.238	(1.000)	809029	10.0000	
	26 Chloroform	83	Compound Not Detected.					
	27 Bromochloromethane	128	Compound Not Detected.					
$	28 Dibromofluoromethane	111	4.839	4.839	(0.924)	466002	9.69666	9.697
	29 1,1,1-Trichloroethane	97	Compound Not Detected.					
	30 1,1-Dichloropropene	75	Compound Not Detected.					
	31 Carbon Tetrachloride	117	Compound Not Detected.					
$	32 d4-1,2-Dichloroethane	65	5.255	5.255	(1.003)	531558	10.0003	10.000
	33 1,2-Dichloroethane	62	Compound Not Detected.					
	34 Benzene	78	Compound Not Detected.					
*	35 1,4-Difluorobenzene	114	5.636	5.636	(1.000)	1508074	10.0000	
	36 Trichloroethene	130	Compound Not Detected.					
	37 1,2-Dichloropropane	63	Compound Not Detected.					
	38 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	6.632	6.461	(1.177)	2650	0.12008	0.1201(Q)
	41 4-Methyl-2-Pentanone	58	6.626	6.945	(1.176)	15170	1.32310	1.323(Q)
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	6.626	6.626	(1.176)	1758473	9.70511	9.705
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	7.537	7.537	(0.976)	1788	0.10578	0.1058(Q)
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	7.725	7.725	(1.000)	1278815	10.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	105	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	58 o-Xylene	106	Compound Not Detected.					
	59 Styrene	104	Compound Not Detected.					
	60 Isopropyl Benzene	105	Compound Not Detected.					
	61 Bromoform	173	Compound Not Detected.					
	62 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	63 4-Bromofluorobenzene	95	8.601	8.601	(1.113)	577467	9.15172	9.152
	64 1,2,3-Trichloropropane	110	Compound Not Detected.					
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	9.426	9.426	(1.000)	607285	10.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	9.756	9.756	(1.035)	538627	9.95235	9.952
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt10.i
Lab File ID: 08121025.d
Lab Smp Id: RG94K
Analysis Type: VOA
Quant Type: ISTD
Operator: PC
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-18604

Calibration Date: 12-AUG-2010
Calibration Time: 13:16
Client Smp ID: MW12-ER-080210
Level: LOW
Sample Type: Water

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	809844	404922	1619688	809029	-0.10
35 1,4-Difluorobenze	1494542	747271	2989084	1508074	0.91
52 d5-Chlorobenzene	1406726	703363	2813452	1278815	-9.09
76 d4-1,4-Dichlorobe	781222	390611	1562444	607285	-22.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
25 Pentafluorobenzen	5.24	4.74	5.74	5.24	0.00
35 1,4-Difluorobenze	5.64	5.14	6.14	5.64	0.00
52 d5-Chlorobenzene	7.72	7.22	8.22	7.72	0.00
76 d4-1,4-Dichlorobe	9.43	8.93	9.93	9.43	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG94
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: RG94K
Client Smp ID: MW12-ER-080210
Level: LOW
Operator: PC
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: allspike.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/nt10.i/12AUG10.b/82600806L.m
Misc Info: 10-18604

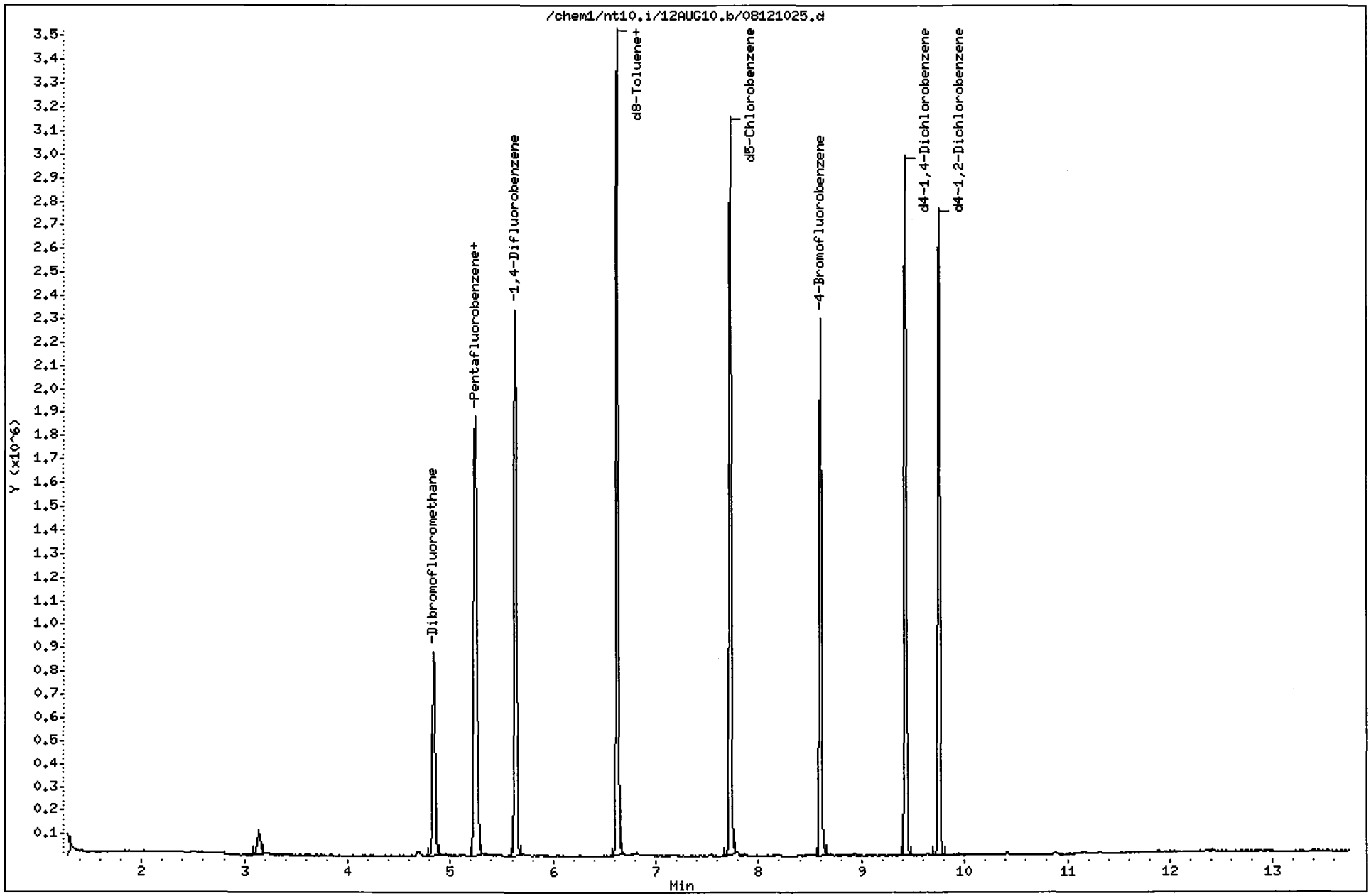
SURROGATE COMPOUND	AMOUNT ADDED ug/L	AMOUNT RECOVERED ug/L	% RECOVERED	LIMITS
$ 28 Dibromofluorometha	10.000	9.697	96.97	60-130
$ 32 d4-1,2-Dichloroeth	10.000	10.000	100.00	80-143
$ 43 d8-Toluene	10.000	9.705	97.05	80-120
$ 63 4-Bromofluorobenze	10.000	9.152	91.52	80-120
$ 79 d4-1,2-Dichloroben	10.000	9.952	99.52	80-120

Data File: /chem1/nt10.i/12AUG10.b/08121025.d
Date : 12-AUG-2010 20:32
Client ID: MW12-ER-080210
Sample Info: RG94K,10,10,0,,

Instrument: nt10.i

Operator: PC
Column diameter: 0.18

Column phase: RTXVMS



Semivolatile PAH Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG94

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270) PNA-Water
Liquid/Liquid (3520C) (SOP # 3311S)

Preparation Test PNA # 3 In-House (1.0ppb)

ARI Job No(s) R694 Batch set up by: SP

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted	Disassemble Liq/Liq (Mantle ID)	KD Hex X (X 2)	Turbo Vap 1 (2) 3	(Opt) Silica Gel Clean (1:1) Y / (N)	Turbo Vap 1 2 3	Final Effective Volume	Volume to Lab	Comments
	R694 MBW	Date 9-5-16	500mL	19					0.5mL	0.5mL	
	SBW	↓	↓	20					↓	↓	
	SBW Dup.	↓	↓	21					↓	↓	
10	↓ K	verified	500mL	22	↓	↓	↓	↓	↓	↓	
Analyst/Date:		PD 9-5-16		PD 9-6-16	TS/KP 8-17-10	MP 08/18/10			MP 08/18/10	MP 08/18/10	

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	**A**	**125µL**	1/22/11	PD	
8270 PNA Spike	**20**	**125µL**	12/4/10	PD	
Extraction Time: 15:15		**Liq/Liq Start:** 15:18		**Liq/Liq Stop:** 0Ce. 15	

SPECIAL INSTRUCTIONS: 1. Add ~200mL DCM to Liq/Liq. 2. Add 500mL sample+500mL DI H20. 3. Add surr/spk.

4. Extract minimum 8 hrs. 5. KD (no drying column) to 8mL at 80°. 6. Exchange (2 X with 10mL) to Hexane at 100°.

7. TurboVap. 8. Silica Clean-up (All or none) Y / N. 9. TurboVap (if Silica Clean). 10. Vial in DCM.

A. Archive Y / N

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG94

Client ID: Floyd/Snider

Parameter: 8270 PNA

Client Project: POS-LLA

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☐ No Anomalies (standard soil/sediment)	
☐ Wet sediment/sludge=	
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☐ Rocks/Organics=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☑ No Anomalies K.	PD 8-5-10
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☐ Other Notes/Comments=	

Re extract

RG94-K

Ln # 18684

LCW B(A)P LCP/LCP (LCS/LCSD)

8/19/10

Sep Fun

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270) PNA-Water
Separatory Funnel (3510C) (SOP # 3311S)

Preparation Test PNA # 2
ARI Job No(s) RG94 (RX)

In-House (1.0ppb)
Batch set up by: JH

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted	KD Hex X	TurboVap 1 2 3	(Opt) Silica Gel Clean (1:1) Y / (N)	TurboVap (1) 2 3	Final Effective Volume	Volume to Lab	Comments
	RG94 (RX) MBW	Date 8/19/10	500mL	↓			↓	0.5mL	0.5mL	
	↓ SBW	↓	↓	↓			↓	↓	↓	
	↓ SBW Dup.	↓	↓	↓			↓	↓	↓	
11	↓ K2	verified	500 mL	↓			↓	↓	↓	
Analyst/Date: JW 8/19/10				TS 8-19-10			TH 8/19/10 →			

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	**A**	**125μL**	1/23/11	JW	SP
8270 PNA Spike	**20**	**125μL**	12/14/14	JW	SP
Extraction Time: 1510					

SPECIAL INSTRUCTIONS: 1. Extract 3X with 30mL DCM. 2. KD (no drying column) to 8mL at 80°.

3. Exchange (2 X with 10mL) to Hexane at 100°. 4. TurboVap. 5. Silica Clean-up (All or none) Y / N.

6. TurboVap (if Silica Clean). 7. Vial in DCM. ~~A. Archive Y / N~~

3008F

Revision 011
02/01/2010

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG94 (RX) Client ID: Floyd/Snider

Parameter: 827ϕ PNA Client Project: POS-LLA (Lora Lake Apartment

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☐ No Anomalies (standard soil/sediment)	
☐ Wet sediment/sludge=	
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☐ Rocks/Organics=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☒ No Anomalies	JW 8/19/10
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☒ Other Notes/Comments= Re-extracted Sample by Separatory Funnel as per laboratory director.	SA 8/19/10

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270) PNA-Soil/ Sediment Sonication (3550C) (SOP # 3304S)

~~In-House (67ppb)~~ PSDDA (2# ppb)

Preparation Test PNA # 1

ARI Job No(s) RG94

Batch set up by: ~~SH~~

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (dry wt)	Sonic Horn ID + Check	KD Hex X X 2	TurboVap 1 (2) 3	(Opt) SilicaGel Clean (1:1) Y / (N)	TurboVap 1 2 3	Final Effective Volume	Volume to Lab	Comments
	RG94 MBS	Date 8-14-10	~~7.50g~~ ~~25.~~	12					0.5mL	0.5mL	10g Actual
	SBS			11							
	~~SBS Dup.~~										
6	RG94 A	verified	30.35	10							
7	B		31.10	9							
5	C		29.20	8							
6	D		29.09	7							
6	E		29.22	6							
7	F		30.56	5							
	G		28.09	4							
	H		31.87	3							
	Hms		31.55	2							
	Hmsd		31.10	1							
	I		33.27	2							
	J		32.53	1							
Analyst/Date		AC 8-14-10		TH 8/16/10	TS/KR 8-17-10	WO 08/18/10			WO 08/18/10	WO 08/18/10	

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	A	125µL	11/22/11	AC	SP
~~8270~~ PNA Spike	20	125µL	12/04/14	AC	SP
Extraction Time:	1210	~~450mL~~ 400mL	**Balance ID:**	2415 03 47	

SPECIAL INSTRUCTIONS: 1. Weigh into ~~100mL~~ beakers. 2. Extract 2X with 1:1 DCM/Acetone. Plus 1 X DCM only. 3. Collect into ~~150mL beaker~~ 125mL Pyrex Flasks with 5-10g sodium sulfate in the bottom + small funnel with pre-rinsed neutral glasswool. NO SODIUM SULFATE. 4. KD (small drying column) to 8mL at 85-90°. 5. Exchange (2 X with 10mL) to Hexane at 100°. 6. TurboVap. 7. Silica Clean-up-Root Beer Color? (All or none) Y / N. 8. TurboVap (if Silica Clean). 9. Vial in DCM.

A. Need Total Solids Y (N) B. ~~Archive~~/Freeze (Y) N

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG94 Client ID: Floyd/Snider

Parameter: 8270 PNA PSDDA Client Project: POS - LLA (Clara Lake Apartments)

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☒ No Anomalies (standard soil/sediment) A, B, C, G, H, J	8-9-10 TS
☒ Wet sediment/sludge= D, E, F	8-9-10 TS
☒ Standing Water Decanted= J	↓
☐ Standing Water Homogenized (Shared samples)=	
☒ Clay (Difficult to homogenize/Mixed with Kitchen Aid)= I	8-9-10 TS
☒ Rocks/Organics= D, E, F, G, I	8-9-10 TS
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☒ Other Notes/Comments=	
USED Recycled 500mL E-FLASK FOR SONICATION ON ALL SAMPLE "G" CENTRIFUGED FOR HEAVY SEDIMENT.	8/16/10 TH m. 08/18/10

Semivolatile PAH Raw Data
Initial Calibration

ARI Job ID: RG94

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: curve Client ID: /

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 NT-6 NT-8 NT11

Curve Date: 7/23/10 Analysis Start Date: 7/23/10

DFTPP Tune Meets Criteria?	YES / NO	Internal Standard Meets Criteria?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	Method Blank In Control?	YES / NO / NA
Peak Tailing Factor ≤2?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO / NA
Q flag applied?	YES / NO	Q flag applied?	YES / NO
Surrogate Recovery in Control?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes / NO / NA

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Two compounds @ linear curve fit.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 07/26/10

Reviewer: _____ **Date:** 7/26/10

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 7/23/10 Analysis: 8270 Analyst: [illegible]

GC Program: ABN_1.pl Column No: 172127 Column Type: 2B-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1588

Calibration File: 0723100 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	1751-3, 1713-1
	1736-1, 1736-1	1721-2, 1720-1
	26019 1753-1	26019 1717-1
	1744-1 (carbanyl)	1744-1

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.1/20100723.b

	Time	Filename	LabID	ClientId	DF											
1	1501	07231001.D	IC250723	IC250723	1	7.59	182786	9.64	584137	12.50	320442	14.86	503793	19.16	532343	21.31	517269	20.35	719428
2	1538	07231002.D	IC010723	IC010723	1	7.59	195617	9.64	619162	12.50	335561	14.86	502252	19.15	533625	21.31	501426	20.34	671548
3	1616	07231003.D	IC050723	IC050723	1	7.59	188843	9.64	605649	12.50	328204	14.86	492773	19.16	623042	21.30	509773	20.34	685489
4	1652	07231004.D	IC100723	IC100723	1	7.59	185943	9.64	593293	12.50	323613	14.86	496900	19.16	608888	21.30	502175	20.35	694500
5	1729	07231005.D	IC400723	IC400723	1	7.59	179813	9.65	584978	12.50	327933	14.87	525448	19.17	593530	21.31	534102	20.35	734023
6	1801	07231006.D	IC600723	IC600723	1	7.60	184946	9.65	607475	12.50	340603	14.87	548107	19.17	578965	21.31	572566	20.35	744081
7	1838	07231007.D	IC800723	IC800723	1	7.59	184081	9.65	604045	12.50	337280	14.87	549184	19.17	574045	21.32	593718	20.35	737424
8	2017	07231008.D	ICV0723	ICV0723	1	7.59	176582	9.65	582262	12.50	323945	14.86	516976	19.16	544051	21.30	522945	20.35	731609
9	2053	07231009.D	RE80MBW1	RE80MBW1	1	7.59	191409	9.64	626705	12.49	340804	14.86	511015	19.16	542517	20.35	680199	21.30	530348
10	2129	07231010.D	RE80LCSW1	RE80LCSW1	1	7.59	186065	9.64	600768	12.50	336459	14.86	542160	19.16	543756	20.34	743452	21.31	536707
11	2206	07231011.D	RE80LCSDW1	RE80LCSDW1	1	7.59	193224	9.64	618733	12.50	346038	14.86	562142	19.16	552203	20.35	754902	21.31	547020
12	2242	07231012.D	RE80A	EB-01-0710	1	7.59	202174	9.64	668869	12.50	358572	14.86	537356	19.16	568871	20.34	711184	21.30	552466

[signature] 07/26/10

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100723.b

ARI Job No.: IC25 Method: SW846072310.m Instrument: nt6.i Date: 23-JUL-2010

DB 07/26/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1501	07231001.D	IC250723	IC250723	1	4-Nitrophenol,
1538	07231002.D	IC010723	IC010723	1	Benzoic acid, 4-Chloro-3-methylphenol, 4-Nitrophenol, Pyridine, Total Benzofluoranthenes, 1,2-Dichlorobenzene-d4,
1616	07231003.D	IC050723	IC050723	1	4-Nitrophenol, Total Benzofluoranthenes,
1652	07231004.D	IC100723	IC100723	1	4-Nitrophenol, Total Benzofluoranthenes,
1729	07231005.D	IC400723	IC400723	1	NO MANUAL INTEGRATION
1801	07231006.D	IC600723	IC600723	1	Benzoic acid, 4-Nitrophenol,
1838	07231007.D	IC800723	IC800723	1	Benzoic acid, 4-Nitrophenol,

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

Instrument: nt6.i

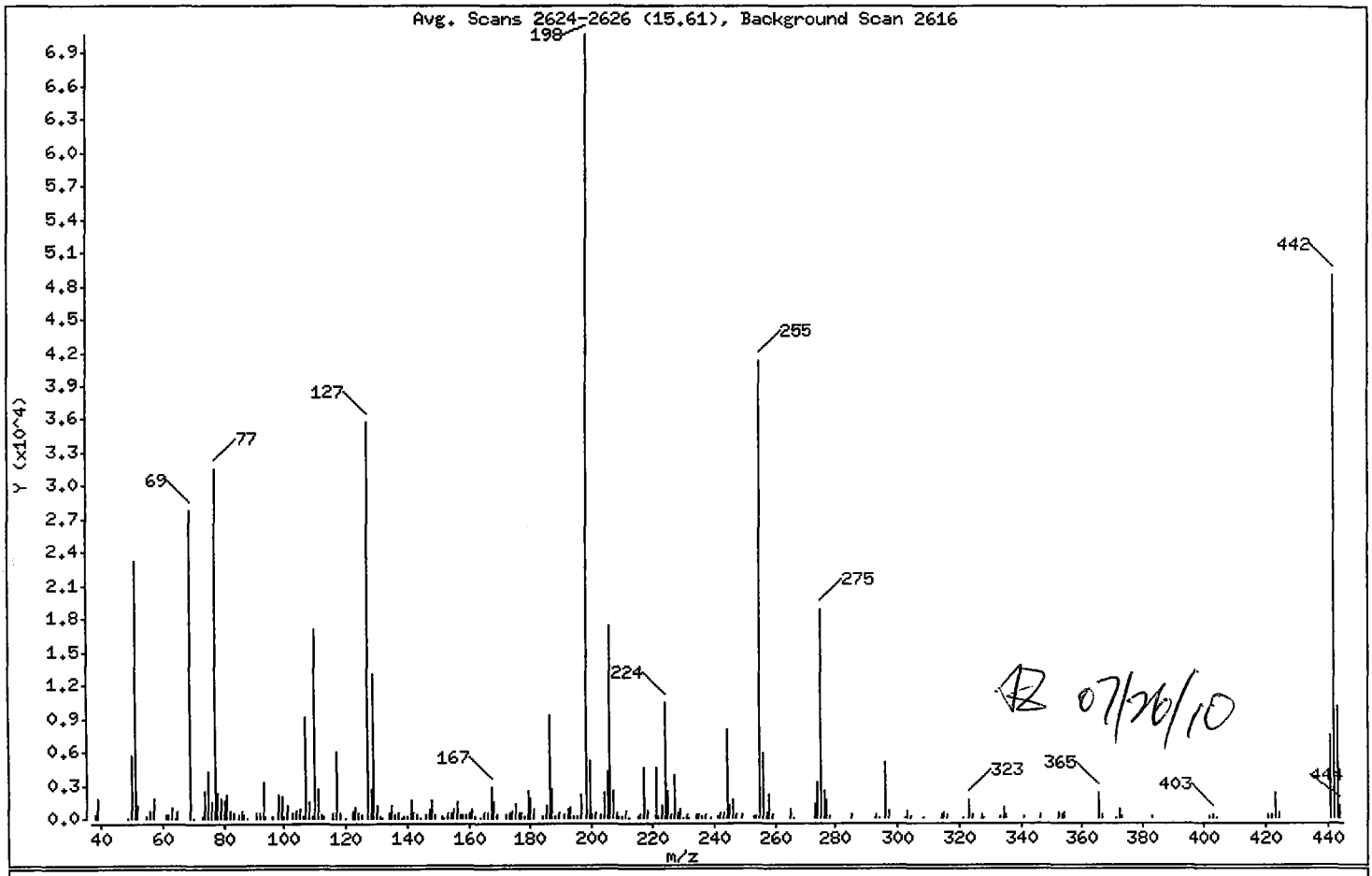
Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.43
70	Less than 2.00% of mass 69	0.11 (0.27)
127	10.00 - 80.00% of mass 198	50.48
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 60.00% of mass 198	26.75
365	Greater than 1.00% of mass 198	3.26
441	0.01 - 24.00% of mass 442	10.46 (15.05)
442	50.00 - 200.00% of mass 198	69.53
443	15.00 - 24.00% of mass 442	14.36 (20.66)

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723 Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07231001.D
Spectrum: Avg. Scans 2624-2626 (15,61), Background Scan 2616
Location of Maximum: 198.00
Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	387	123.00	922	188.00	228	258.00	2047
39.00	1825	124.00	480	189.00	470	259.00	339
49.00	65	125.00	365	191.00	272	265.00	871
50.00	5640	127.00	35688	192.00	768	266.00	70
51.00	23184	128.00	2664	193.00	910	273.00	1286
52.00	1188	129.00	13060	194.00	205	274.00	3278
55.00	117	130.00	1185	195.00	108	275.00	18912
56.00	724	131.00	199	196.00	2168	276.00	2417
57.00	1783	132.00	53	198.00	70696	277.00	1549
61.00	268	134.00	417	199.00	5207	278.00	225
62.00	303	135.00	1057	200.00	352	285.00	281
63.00	1001	136.00	403	201.00	473	293.00	310
64.00	57	137.00	530	203.00	399	294.00	55
65.00	603	138.00	53	204.00	2330	296.00	5042
69.00	27872	139.00	133	205.00	4267	297.00	617
70.00	76	140.00	157	206.00	17352	302.00	51
73.00	239	141.00	1557	207.00	2460	303.00	684
74.00	2447	142.00	527	208.00	547	304.00	121
75.00	4272	143.00	334	209.00	224	308.00	56
76.00	1504	144.00	51	210.00	220	314.00	246
77.00	31608	146.00	256	211.00	719	315.00	557
78.00	2353	147.00	794	212.00	72	316.00	334
79.00	1859	148.00	1619	215.00	138	321.00	61
80.00	1551	149.00	391	216.00	402	323.00	1624
81.00	2087	151.00	243	217.00	4593	324.00	284
82.00	569	152.00	55	218.00	656	327.00	303
83.00	501	153.00	556	221.00	4555	328.00	54
85.00	371	154.00	413	222.00	212	333.00	133
86.00	612	155.00	876	223.00	1131	334.00	1046
87.00	283	156.00	1402	224.00	10419	335.00	247
88.00	58	157.00	248	225.00	2454	341.00	195
91.00	565	158.00	315	226.00	302	346.00	381
92.00	460	159.00	248	227.00	3948	352.00	507
93.00	3213	160.00	524	228.00	566	353.00	296
94.00	196	161.00	761	229.00	863	354.00	512

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723 Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07231001.D
Spectrum: Avg. Scans 2624-2626 (15.61), Background Scan 2616
Location of Maximum: 198.00
Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	222	162.00	236	230.00	56	365.00	2305
98.00	2141	164.00	52	231.00	395	366.00	343
99.00	1893	165.00	557	232.00	58	371.00	53
100.00	125	166.00	524	234.00	262	372.00	781
101.00	1206	167.00	2749	235.00	263	373.00	223
103.00	429	168.00	1464	236.00	143	383.00	219
104.00	718	169.00	273	237.00	373	402.00	207
105.00	891	172.00	270	239.00	65	403.00	390
106.00	85	173.00	422	241.00	228	404.00	51
107.00	9053	174.00	680	242.00	541	421.00	350
108.00	1452	175.00	1231	243.00	516	422.00	291
109.00	101	176.00	512	244.00	7897	423.00	2348
110.00	17112	177.00	488	245.00	1132	424.00	560
111.00	2583	178.00	162	246.00	1556	441.00	7398
112.00	346	179.00	2424	247.00	296	442.00	49152
113.00	127	180.00	1708	249.00	252	443.00	10155
116.00	407	181.00	748	253.00	143	444.00	1103
117.00	6032	184.00	213	254.00	104		
118.00	485	185.00	1151	255.00	41248		
120.00	62	186.00	9244	256.00	5893		
122.00	623	187.00	2603	257.00	528		

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

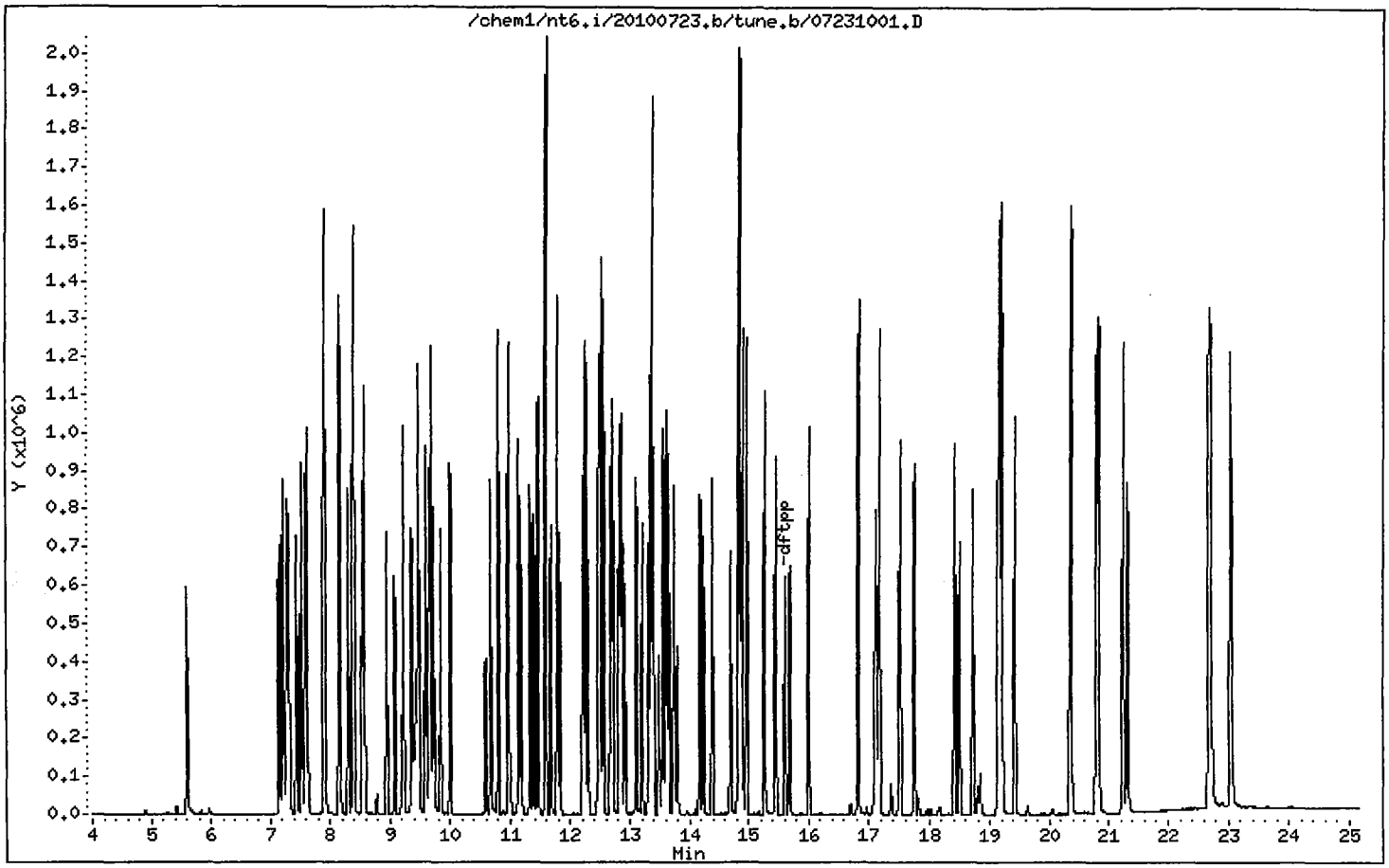
Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20100723.b/ddt.b/07231001.D ARI ID: IC250723
Method: /chem1/nt6.i/20100723.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 23-JUL-2010 15:01 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.696	127003
Benzidine	17.099	261375
4,4'-DDE	----	----
4,4'-DDD	18.023	5204
4,4'-DDT	18.493	237032

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 5204) * 100}{(0 + 5204 + 237032)}$$

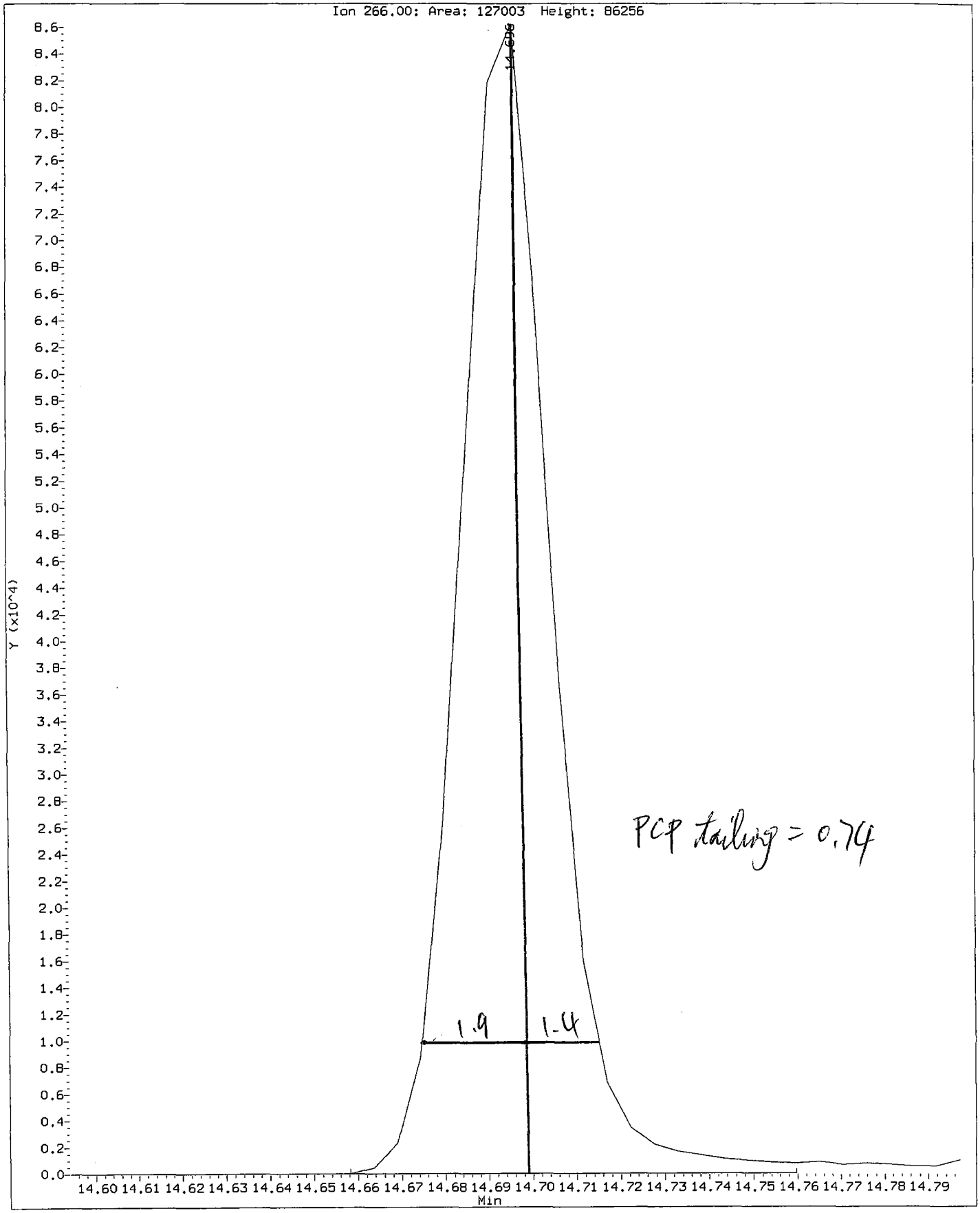
DDT Percent Breakdown = 2.1 %

06

AZ 07/26/10

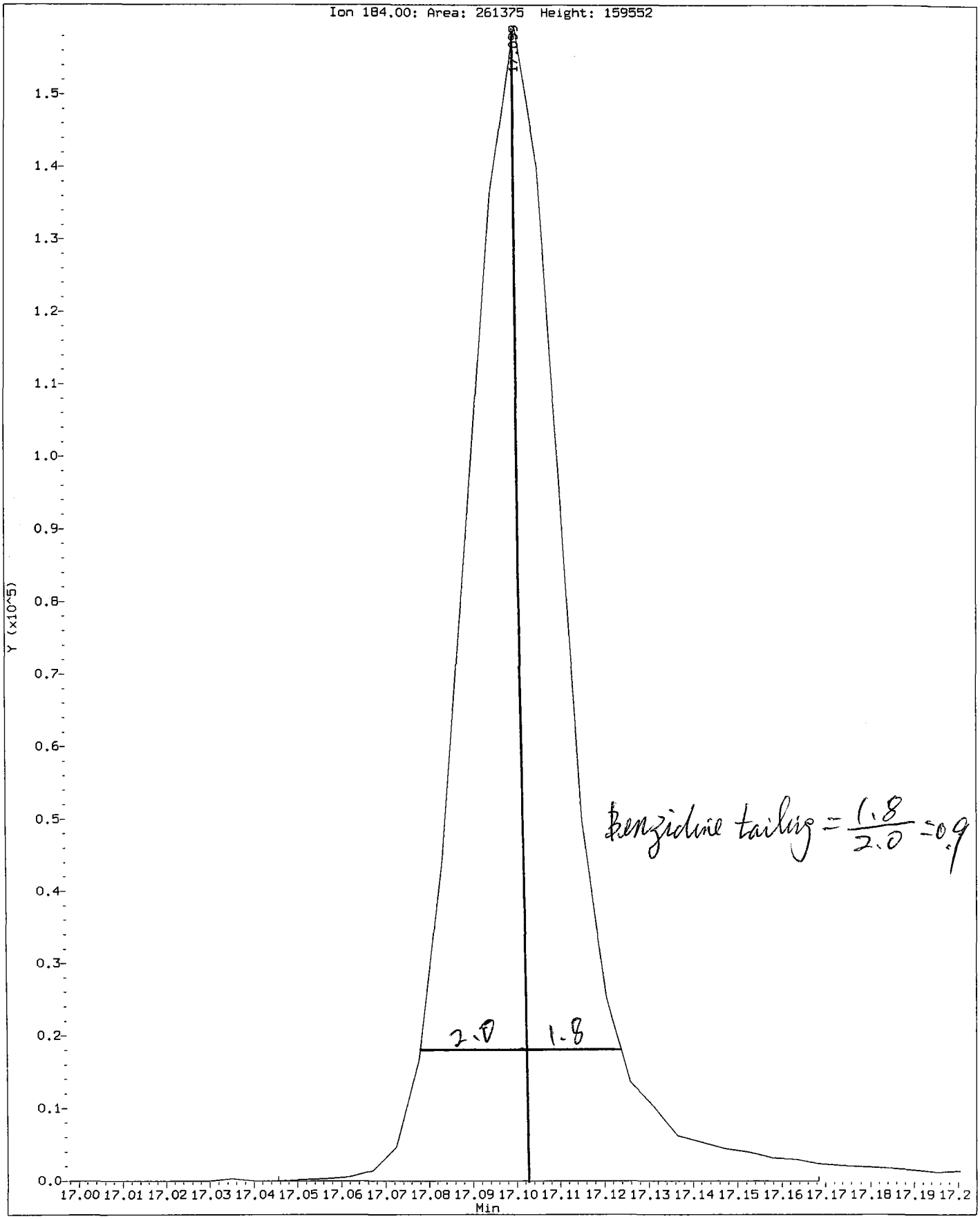
Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231002.D
Lab Smp Id: IC010723 Client Smp ID: IC010723
Inj Date : 23-JUL-2010 15:38
Operator : JZ Inst ID: nt6.i
Smp Info : IC010723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:38 Cal File: 07231002.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.602	5.610	(0.738)	12960	1.00000	1.000
$	2 Phenol-d5	99	7.205	7.218	(0.949)	16567	1.00000	1.000
	3 Phenol	94	7.221	7.237	(0.951)	18572	1.00000	1.000
$	5 2-Chlorophenol-d4	132	7.296	7.303	(0.961)	14473	1.00000	1.000
	4 Bis(2-Chloroethyl)ether	93	7.274	7.290	(0.958)	14758	1.00000	1.000
	6 2-Chlorophenol	128	7.317	7.327	(0.964)	16158	1.00000	1.000
	7 1,3-Dichlorobenzene	146	7.525	7.530	(0.992)	19042	1.00000	1.000
*	8 1,4-Dichlorobenzene-d4	152	7.589	7.595	(1.000)	195617	20.0000	
	9 1,4-Dichlorobenzene	146	7.616	7.621	(1.004)	18283	1.00000	1.000
$	10 1,2-Dichlorobenzene-d4	152	7.888	7.896	(1.039)	9473	1.00000	1.000(M)
	12 1,2-Dichlorobenzene	146	7.910	7.915	(1.042)	17717	1.00000	1.000
	11 Benzyl alcohol	108	7.894	7.910	(1.040)	7581	1.00000	1.000
	14 2,2'-oxybis(1-Chloropropane)	45	8.155	8.161	(1.075)	15269	1.00000	1.000
	13 2-Methylphenol	108	8.150	8.166	(1.074)	13513	1.00000	1.000
	17 Hexachloroethane	117	8.396	8.406	(1.106)	6764	1.00000	1.000
	16 N-Nitroso-di-n-propylamine	70	8.369	8.390	(1.103)	9485	1.00000	1.000
	15 4-Methylphenol	108	8.385	8.406	(1.105)	13086	1.00000	1.000
$	18 Nitrobenzene-d5	82	8.529	8.542	(0.885)	13152	1.00000	1.000
	19 Nitrobenzene	77	8.556	8.572	(0.888)	15308	1.00000	1.000
	20 Isophorone	82	8.941	8.967	(0.927)	23101	1.00000	1.000
	21 2-Nitrophenol	139	9.079	9.090	(0.942)	7500	1.00000	1.000
	22 2,4-Dimethylphenol	107	9.218	9.234	(0.956)	13985	1.00000	1.000
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.373	(0.971)	16110	1.00000	1.000
	25 2,4-Dichlorophenol	162	9.475	9.485	(0.983)	11462	1.00000	1.000
	26 1,2,4-Trichlorobenzene	180	9.587	9.597	(0.994)	13993	1.00000	1.000
*	27 Naphthalene-d8	136	9.640	9.651	(1.000)	619162	20.0000	
	28 Naphthalene	128	9.672	9.683	(1.003)	41597	1.00000	1.000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	29 4-Chloroaniline	127	9.838	9.843	(1.020)	15650	1.00000	1.000
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	7937	1.00000	1.000
	31 4-Chloro-3-methylphenol	107	10.671	10.682	(1.107)	11158	1.00000	1.000(M)
	32 2-Methylnaphthalene	141	10.794	10.805	(1.120)	22525	1.00000	1.000
	33 Hexachlorocyclopentadiene	237	11.179	11.184	(0.894)	3366	1.00000	1.000
	34 2,4,6-Trichlorophenol	196	11.323	11.333	(0.906)	7217	1.00000	1.000
	35 2,4,5-Trichlorophenol	196	11.387	11.392	(0.911)	7991	1.00000	1.000
$	36 2-Fluorobiphenyl	172	11.446	11.453	(0.916)	27771	1.00000	1.000
	37 2-Chloronaphthalene	162	11.568	11.579	(0.926)	25928	1.00000	1.000
	38 2-Nitroaniline	65	11.819	11.835	(0.946)	5357	1.00000	1.000
	39 Dimethylphthalate	163	12.199	12.220	(0.976)	27471	1.00000	1.000
	40 Acenaphthylene	152	12.241	12.252	(0.979)	40068	1.00000	1.000
	41 2,6-Dinitrotoluene	165	12.289	12.305	(0.983)	5455	1.00000	1.000
*	42 Acenaphthene-d10	164	12.498	12.503	(1.000)	335561	20.0000	
	43 3-Nitroaniline	138	12.498	12.519	(1.000)	5458	1.00000	1.000
	44 Acenaphthene	153	12.546	12.562	(1.004)	24317	1.00000	1.000
	46 Dibenzofuran	168	12.808	12.823	(1.025)	33065	1.00000	1.000
	47 4-Nitrophenol	109	12.845	12.861	(1.028)	2427	1.00000	1.000(M)
	48 2,4-Dinitrotoluene	165	12.909	12.930	(1.033)	6962	1.00000	1.000
	50 Diethylphthalate	149	13.347	13.368	(1.068)	27786	1.00000	1.000
	49 Fluorene	166	13.363	13.379	(1.069)	28942	1.00000	1.000
	51 4-Chlorophenyl-phenylether	204	13.400	13.411	(1.072)	13051	1.00000	1.000
	52 4-Nitroaniline	138	13.486	13.523	(1.079)	5361	1.00000	1.000
	54 N-Nitrosodiphenylamine	169	13.609	13.630	(0.916)	19100	1.00000	1.000
$	55 2,4,6-Tribromophenol	330	13.785	13.798	(1.103)	2801	1.00000	1.000
	56 4-Bromophenyl-phenylether	248	14.175	14.185	(0.954)	7664	1.00000	1.000
	57 Hexachlorobenzene	284	14.389	14.399	(0.968)	8254	1.00000	1.000
	58 Pentachlorophenol	266	14.693	14.704	(0.989)	2935	1.00000	1.000
*	59 Phenanthrene-d10	188	14.859	14.869	(1.000)	502252	20.0000	
	60 Phenanthrene	178	14.896	14.912	(1.002)	36558	1.00000	1.000
	61 Anthracene	178	14.965	14.987	(1.007)	37076	1.00000	1.000
	62 Carbazole	167	15.264	15.280	(1.027)	34327	1.00000	1.000
	63 Di-n-butylphthalate	149	16.002	16.012	(1.077)	39082	1.00000	1.000
	64 Fluoranthene	202	16.824	16.835	(1.132)	36900	1.00000	1.000
	65 Pyrene	202	17.171	17.187	(0.897)	39792	1.00000	1.000
$	66 Terphenyl-d14	244	17.508	17.515	(0.914)	22641	1.00000	1.000
	67 Butylbenzylphthalate	149	18.410	18.421	(0.961)	15872	1.00000	1.000
	68 Benzo(a)anthracene	228	19.131	19.147	(0.999)	37113	1.00000	1.000
*	69 Chrysene-d12	240	19.153	19.169	(1.000)	533625	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.158	19.174	(1.000)	11847	1.00000	1.000
	71 Chrysene	228	19.190	19.217	(1.002)	35744	1.00000	1.000
	72 bis(2-Ethylhexyl)phthalate	149	19.414	19.420	(0.954)	20881	1.00000	1.000
*	134 Di-n-octylphthalate-d4	153	20.344	20.354	(1.000)	671548	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	42955	1.00000	1.000
	74 Benzo(b)fluoranthene	252	20.776	20.803	(0.975)	37421	1.00000	1.000
	75 Benzo(k)fluoranthene	252	20.808	20.840	(0.977)	42406	1.00000	1.000
	187 Total Benzofluoranthenes	252	20.808	20.840	(0.977)	77462	2.00000	2.000(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	
76	Benzo(a)pyrene	252	21.220	21.246	(0.996)	35052	1.00000	1.000	
* 77	Perylene-d12	264	21.305	21.316	(1.000)	501426	20.0000		
78	Indeno(1,2,3-cd)pyrene	276	22.689	22.720	(1.065)	46606	1.00000	1.000	
79	Dibenzo(a,h)anthracene	278	22.710	22.747	(1.066)	34366	1.00000	1.000	
80	Benzo(g,h,i)perylene	276	23.036	23.089	(1.081)	43155	1.00000	1.000	
90	N-Nitrosodimethylamine	74	2.718	2.750	(0.358)	8653	1.00000	1.000	
103	Pyridine	79	2.713	2.702	(0.357)	13072	1.00000	1.000	(M)
91	Aniline	93	7.151	7.157	(0.942)	20217	1.00000	1.000	
105	1-methylnaphthalene	141	10.965	10.975	(1.137)	22955	1.00000	1.000	
93	Benzidine	184	17.102	17.107	(0.893)	12076	1.00000	1.000	
111	Azobenzene (1,2-DP-Hydrazine)	77	13.646	13.667	(1.092)	26415	1.00000	1.000	
143	1,4-Dioxane	88	2.152	2.168	(0.284)	5821	1.00000	1.000	
$ 137	d8-1,4-Dioxane	96	2.109	2.125	(0.278)	5561	1.00000	1.000	
144	alpha-Terpineol	59	9.715	9.731	(1.008)	7796	1.00000	1.000	
98	Retene	219	17.753	17.759	(0.927)	11931	1.00000	1.000	
133	Butylatedhydroxytoluene	205	12.695	12.706	(1.016)	21964	1.00000	1.000	
115	Tributyl Phosphate	99	13.726	13.763	(0.924)	28341	1.00000	1.000	
116	Dibutyl Phenyl Phosphate	175	15.446	15.457	(1.040)	17234	1.00000	1.000	
117	Butyl Diphenyl Phosphate	94	17.123	17.134	(0.894)	6172	1.00000	1.000	
118	Triphenyl Phosphate	326	18.720	18.731	(0.977)	5942	1.00000	1.000	
123	Acetophenone	105	8.300	8.316	(1.094)	18028	1.00000	1.000	
179	n-Decane	57	7.440	7.450	(0.980)	12744	1.00000	1.000	
180	n-Octadecane	57	14.826	14.832	(0.998)	11732	1.00000	1.000	
168	Pentachlorobenzene	250	12.850	12.866	(1.028)	10098	1.00000	1.000	
113	Diphenyl Oxide	170	11.777	11.782	(0.942)	25762	1.00000	1.000	
112	Biphenyl	154	11.579	11.590	(0.926)	31556	1.00000		
120	2,3,4,6-Tetrachlorophenol	232	13.107	13.112	(1.049)	6165	1.00000	1.000	
151	1,2,4,5-Tetrachlorobenzene	216	11.136	11.141	(0.891)	13502	1.00000	1.000	
110	Tetrachloroguaiacol	247	14.821	14.842	(0.997)	3748	2.00000		
109	3,4,5-Trichloroguaiacol	213	13.203	13.219	(0.889)	2088	1.00000		
181	3,4,6-Trichloroguaiacol	211	13.320	13.331	(1.755)	2419	1.00000		
108	4,5,6-Trichloroguaiacol	213	14.239	14.250	(1.139)	1998	1.00000		
184	3,4-Dichloroguaiacol	192	11.670	11.675	(1.538)	2055	1.00000		
107	4,5-Dichloroguaiacol	192	12.460	12.476	(0.997)	5561	2.00000		
182	4,6-Dichloroguaiacol	192	12.460	12.476	(1.642)	5561	2.00000		
185	4-Chloroguaiacol	115	10.586	10.596	(1.395)	1238	0.50000		
186	Carbaryl	144	15.686	15.702	(1.056)	13304	1.00000	1.000	
106	Guaiacol	124	8.572	8.588	(1.129)	12877	1.00000	1.000	

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231002.D
Lab Smp Id: IC010723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC010723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	195617	7.02
27 Naphthalene-d8	584137	292068	1168274	619162	6.00
42 Acenaphthene-d10	320442	160221	640884	335561	4.72
59 Phenanthrene-d10	503793	251896	1007586	502252	-0.31
69 Chrysene-d12	532343	266172	1064686	533625	0.24
134 Di-n-octylphthala	719428	359714	1438856	671548	-6.66
77 Perylene-d12	517269	258634	1034538	501426	-3.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.03
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.03
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.15	-0.04
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.01
77 Perylene-d12	21.31	20.81	21.81	21.31	-0.01

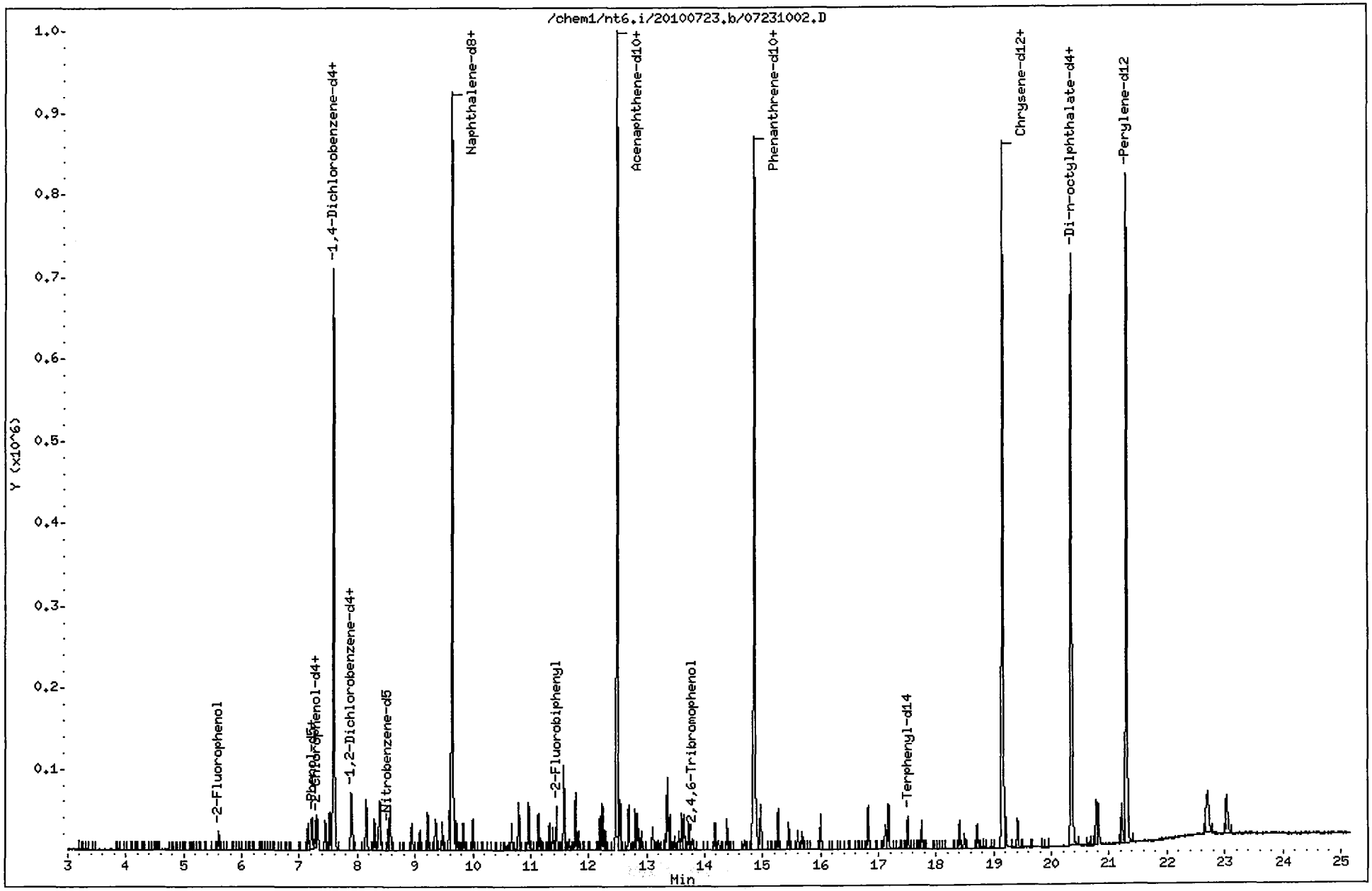
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231002.D
Date : 23-JUL-2010 15:38
Client ID: IC010723
Sample Info: IC010723,

Instrument: nt6.i

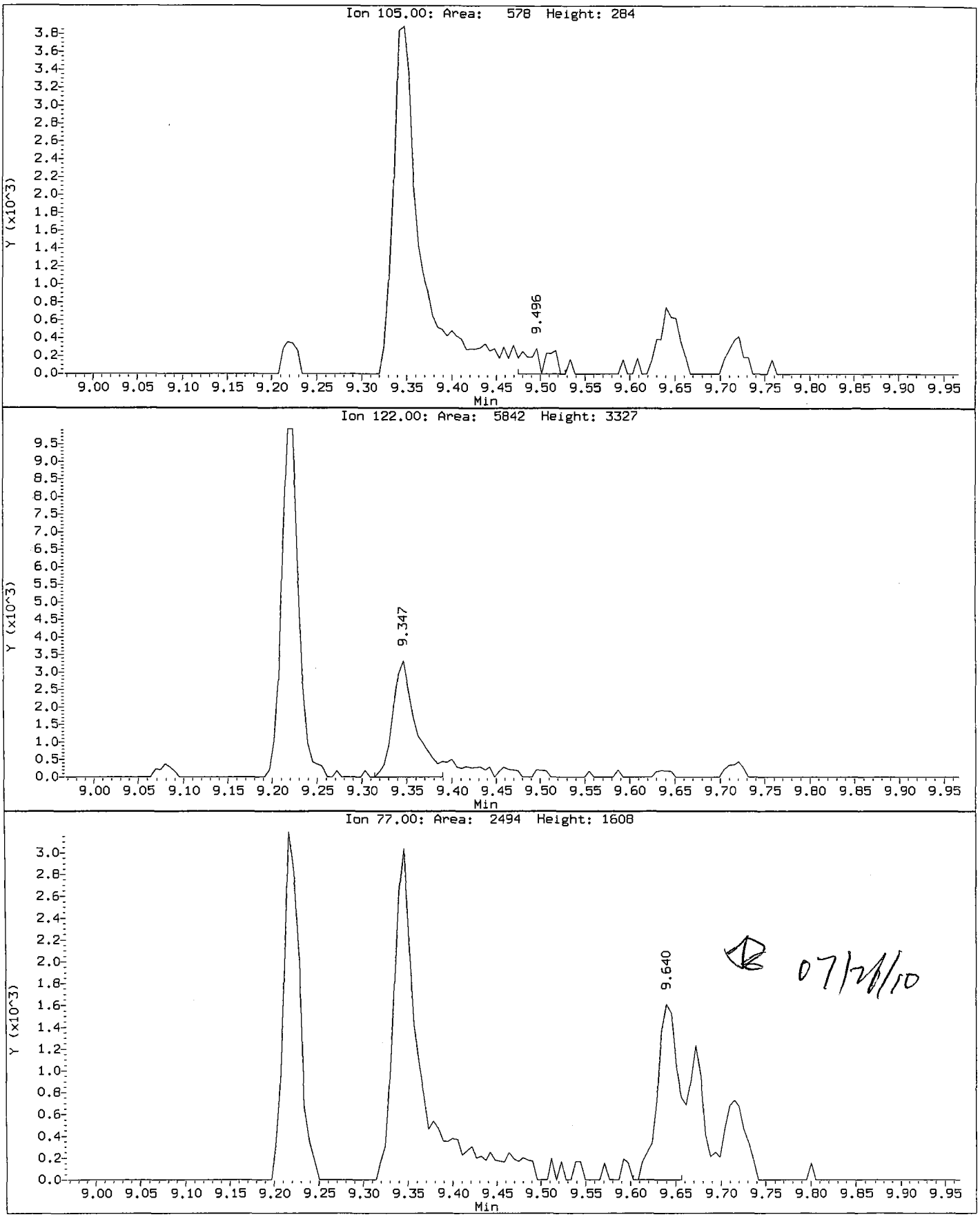
Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

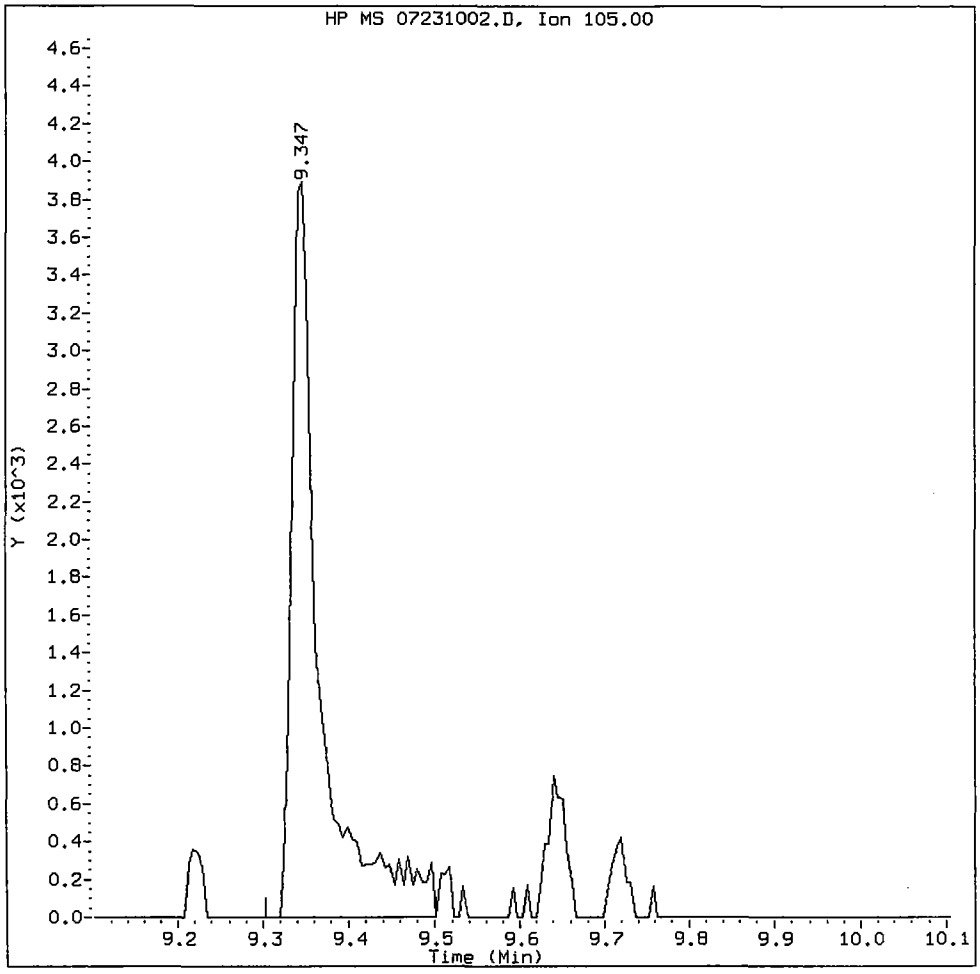
Compound: Benzoic acid
CAS Number: 65-85-0



07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Benzoic acid Amount: 0.00 Area: 8860



MANUAL INTEGRATION for Benzoic acid

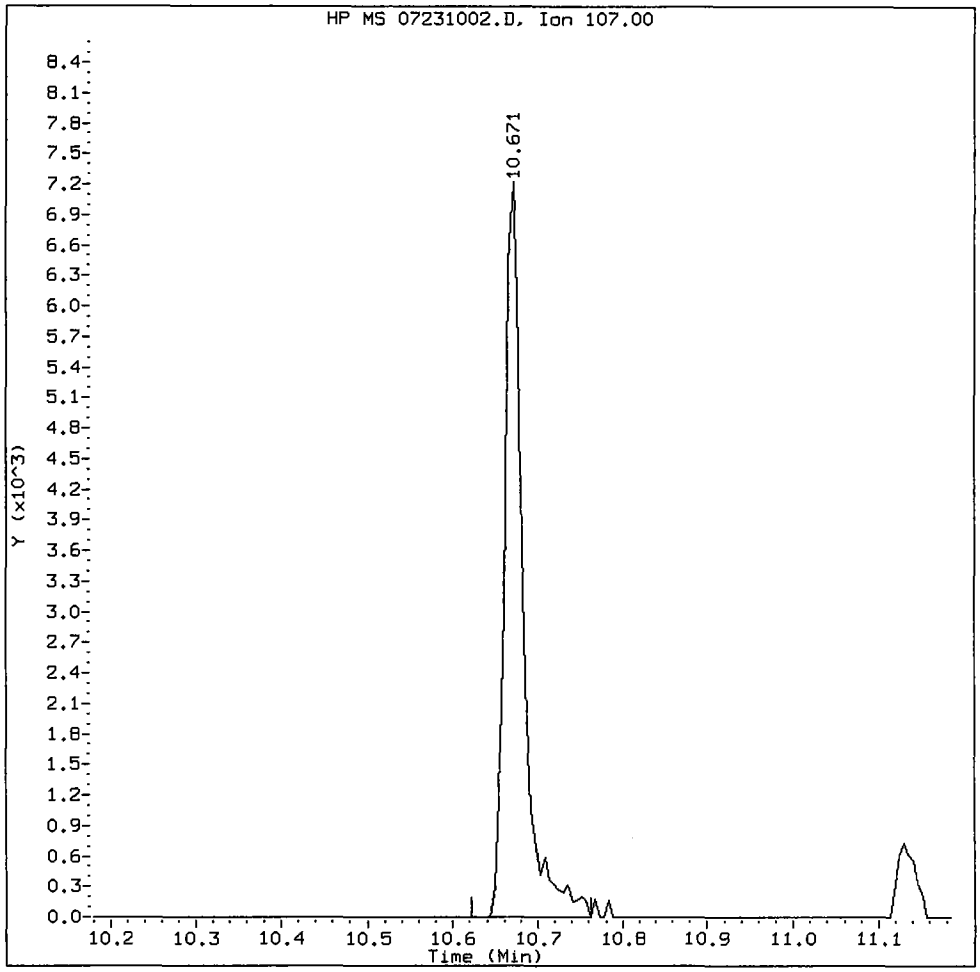
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Chloro-3-methylphenol Amount: 1.00 Area: 11158



MANUAL INTEGRATION for 4-Chloro-3-methylphenol

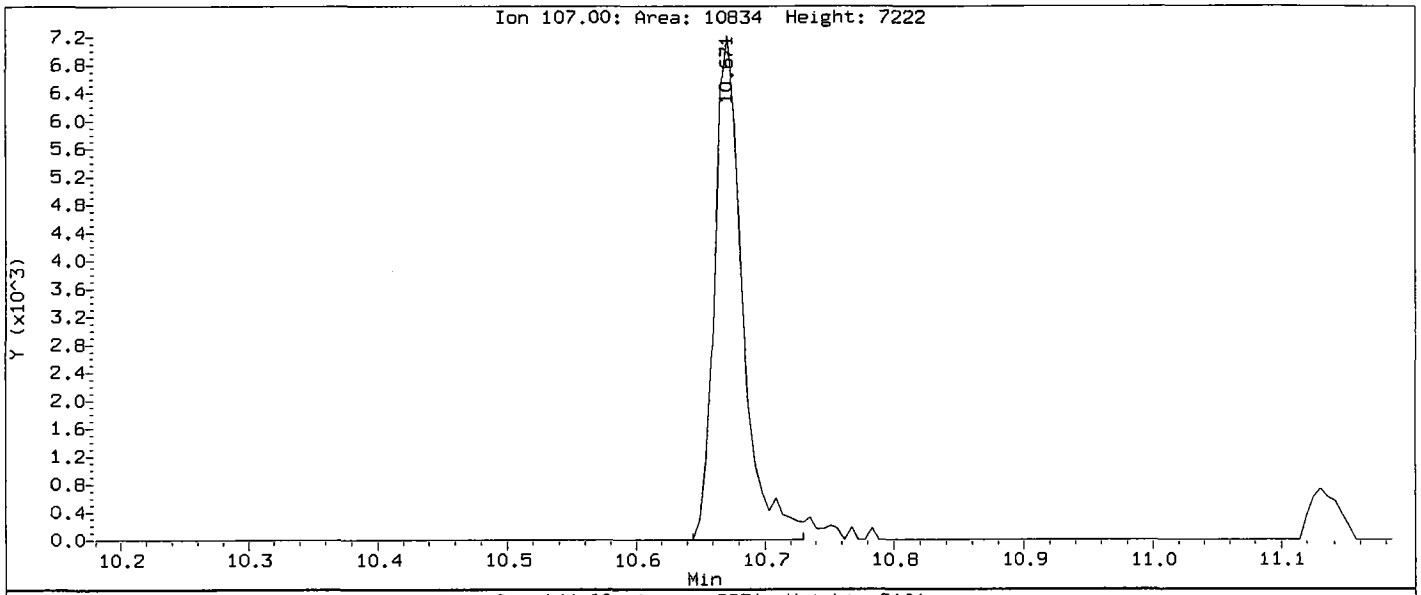
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

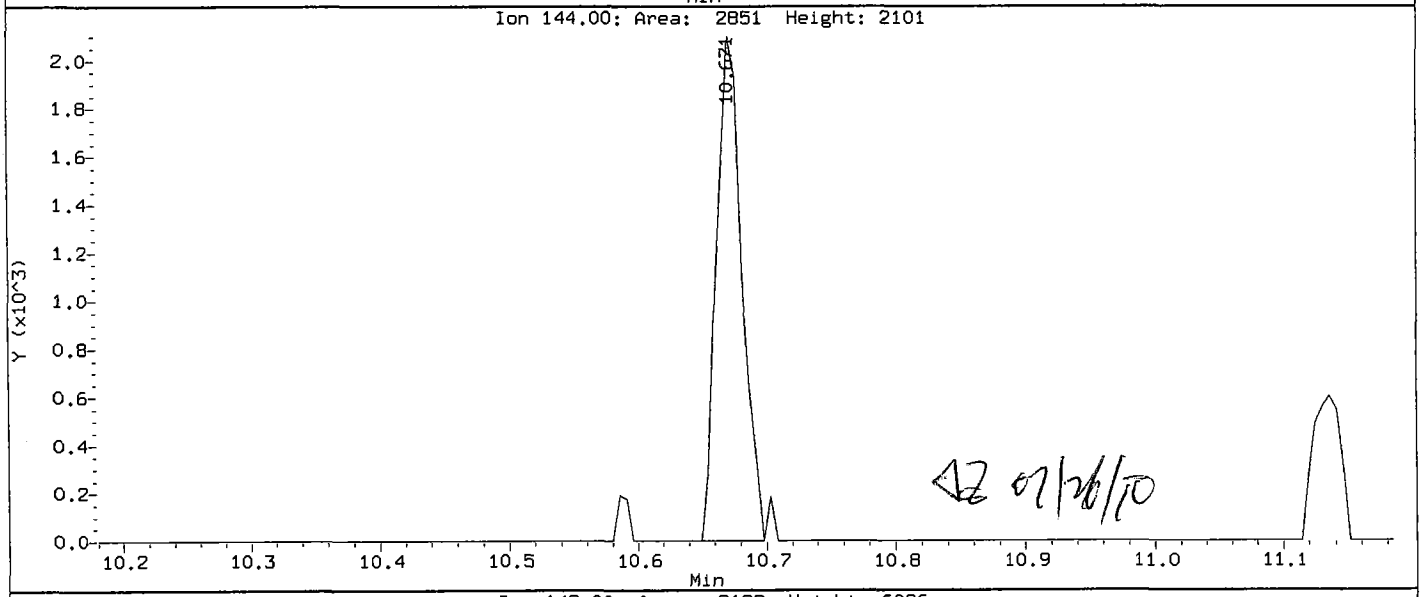
5. Other _____

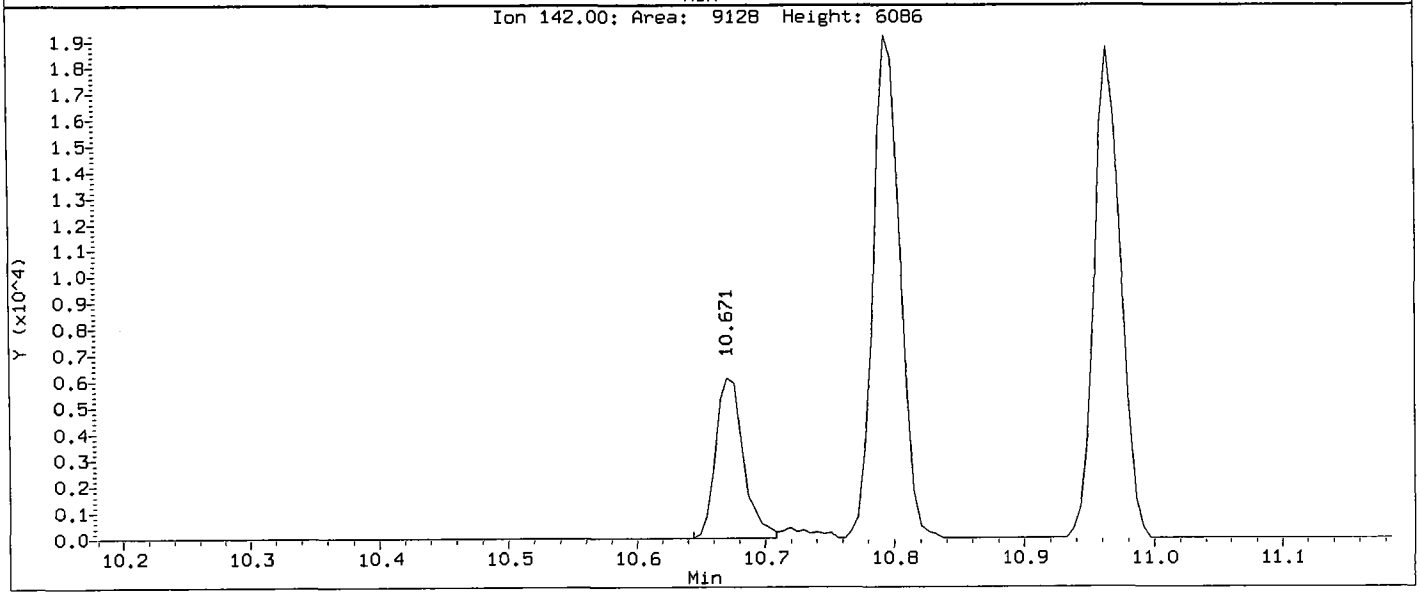
Analyst: AZ Date: 07/26/10

Data File: /chem1/nt6.i/20100723A.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Chloro-3-methylphenol
CAS Number: 59-50-7



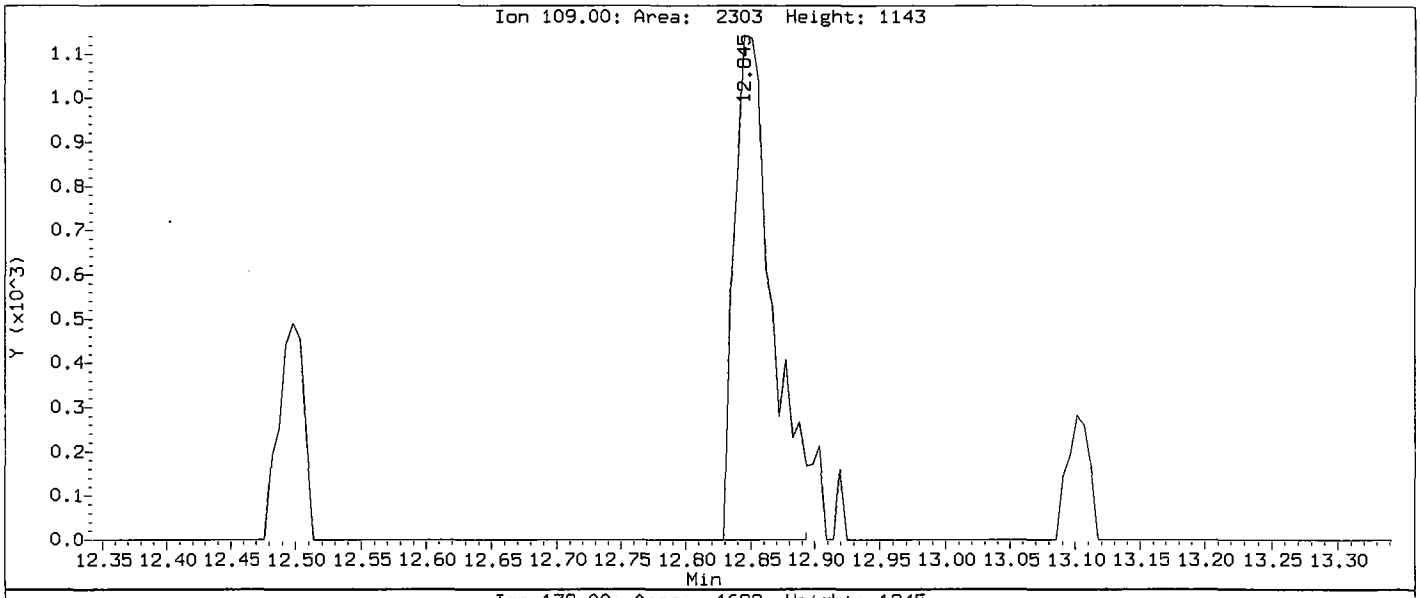


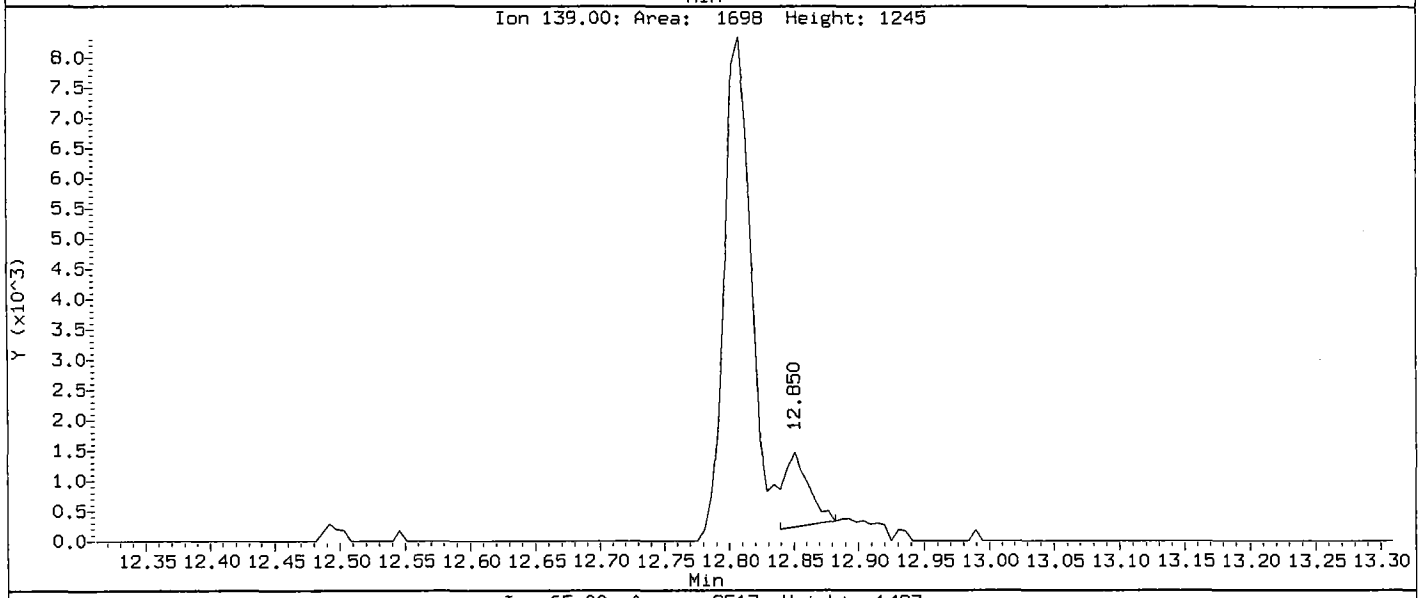


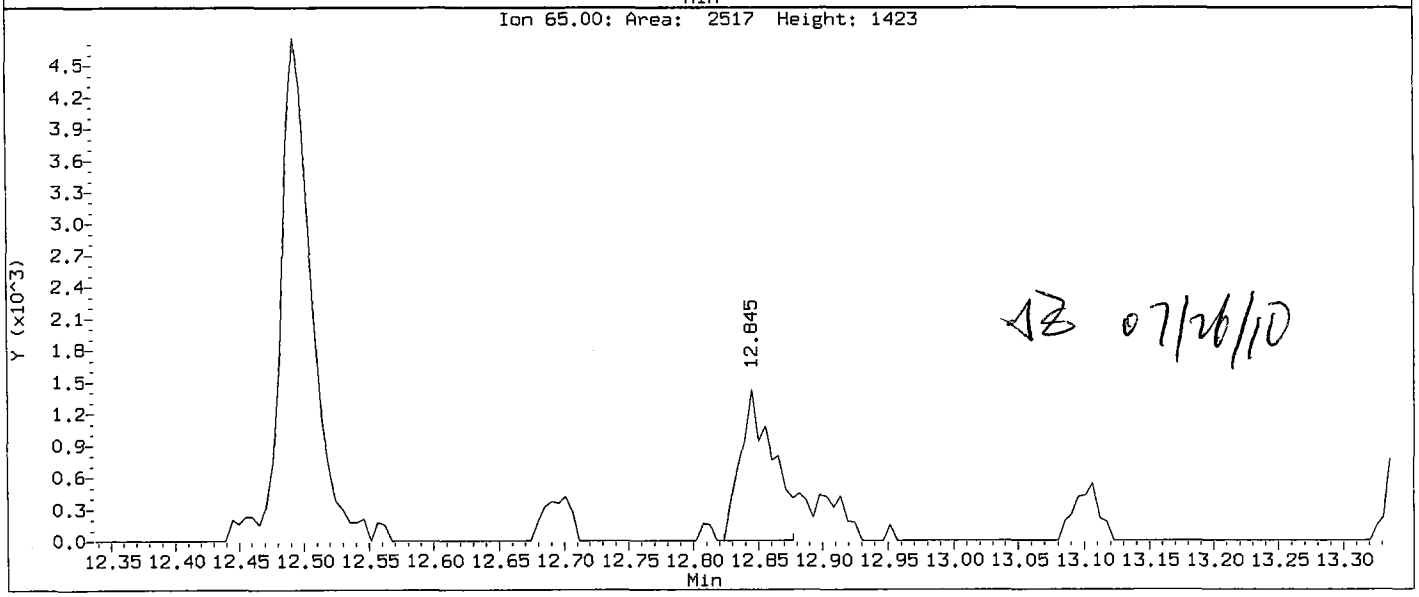
RG94 : 00689

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Nitrophenol
CAS Number: 100-02-7





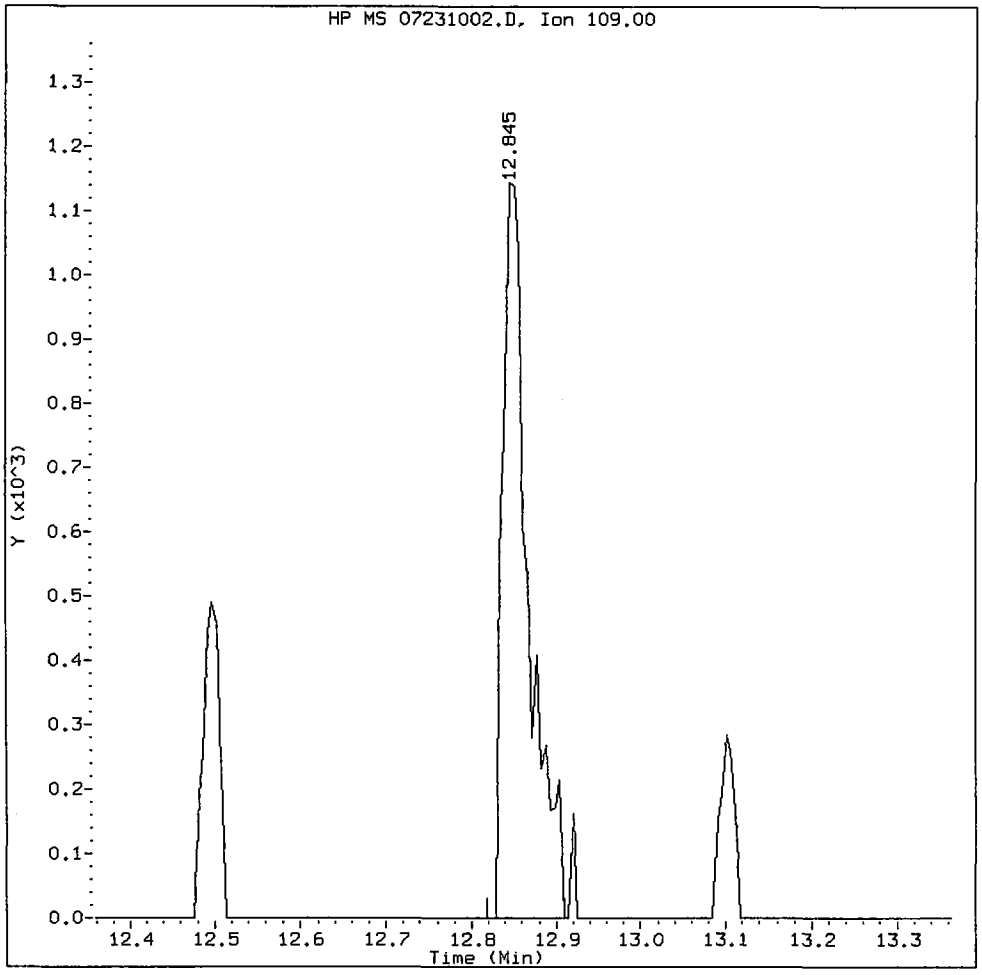


AZ 07/26/10

RG94 : 00690

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Nitrophenol Amount: 1.00 Area: 2427



MANUAL INTEGRATION for 4-Nitrophenol

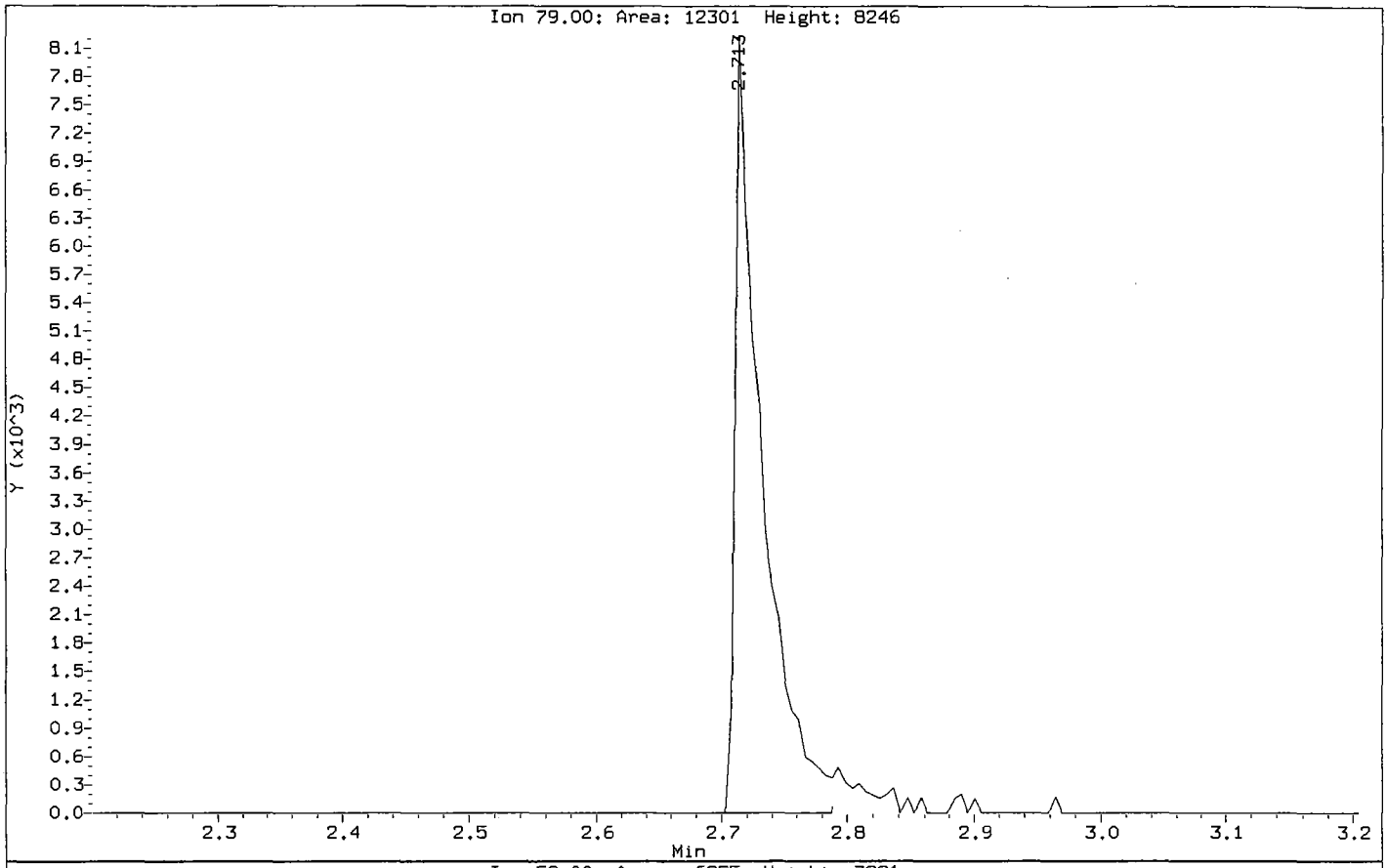
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

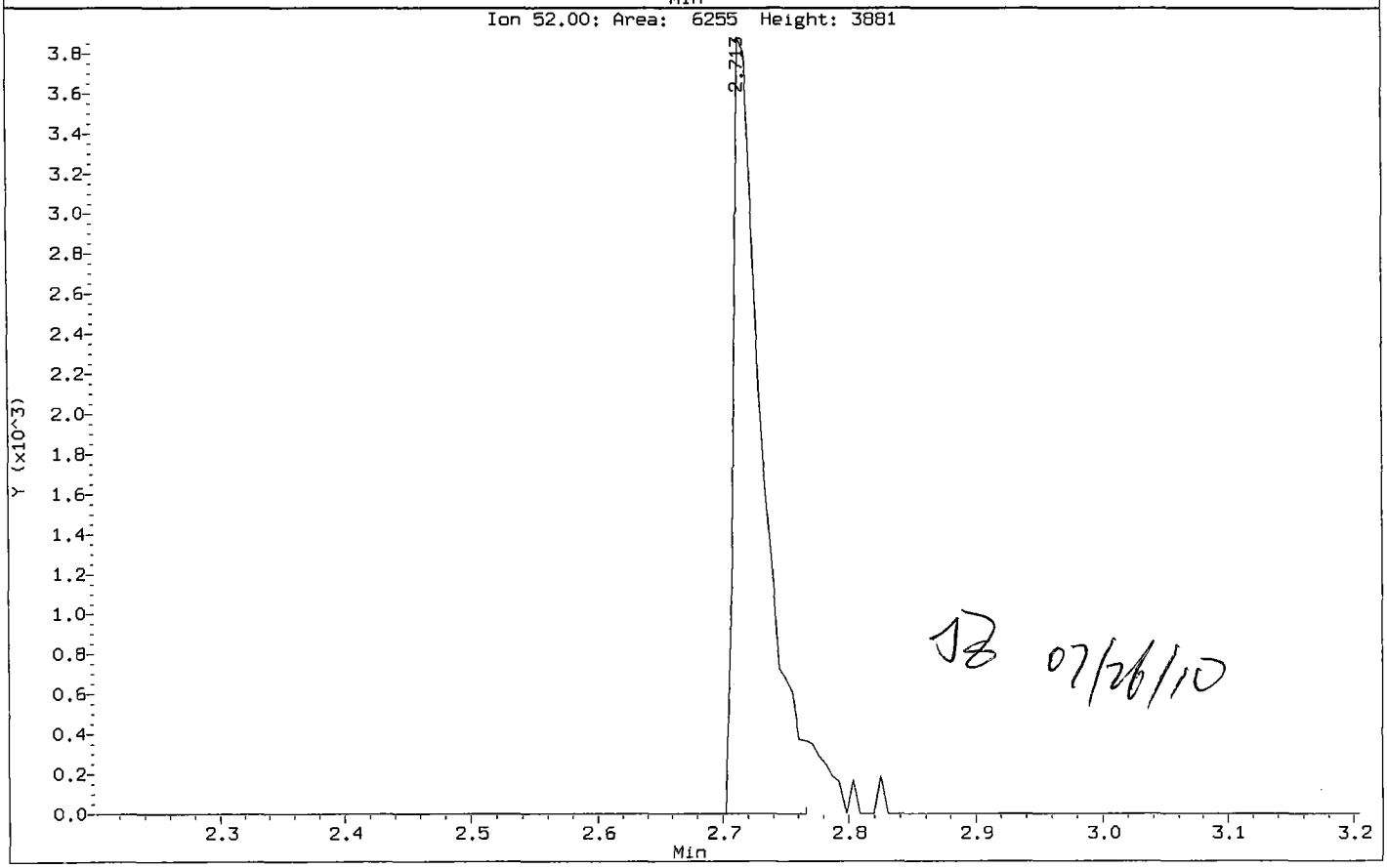
5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: Pyridine
CAS Number:

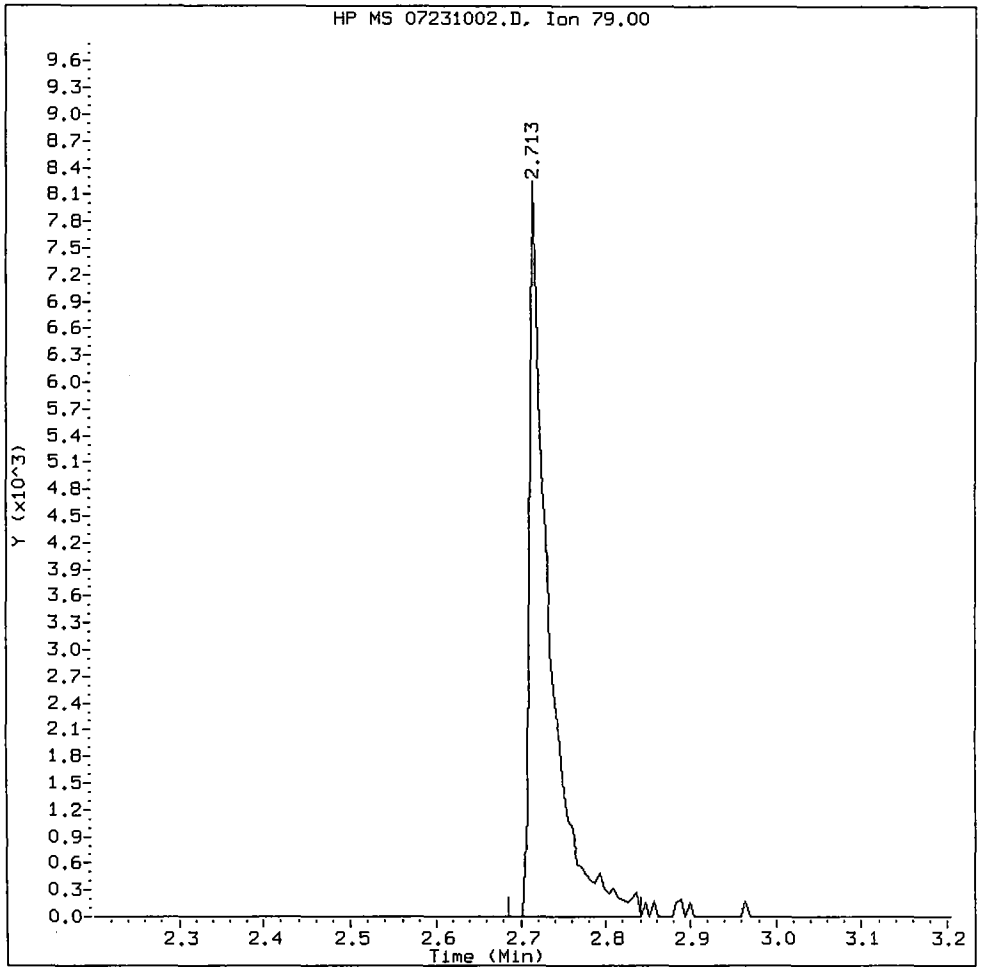




JB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Pyridine Amount: 1.00 Area: 13072



MANUAL INTEGRATION for Pyridine

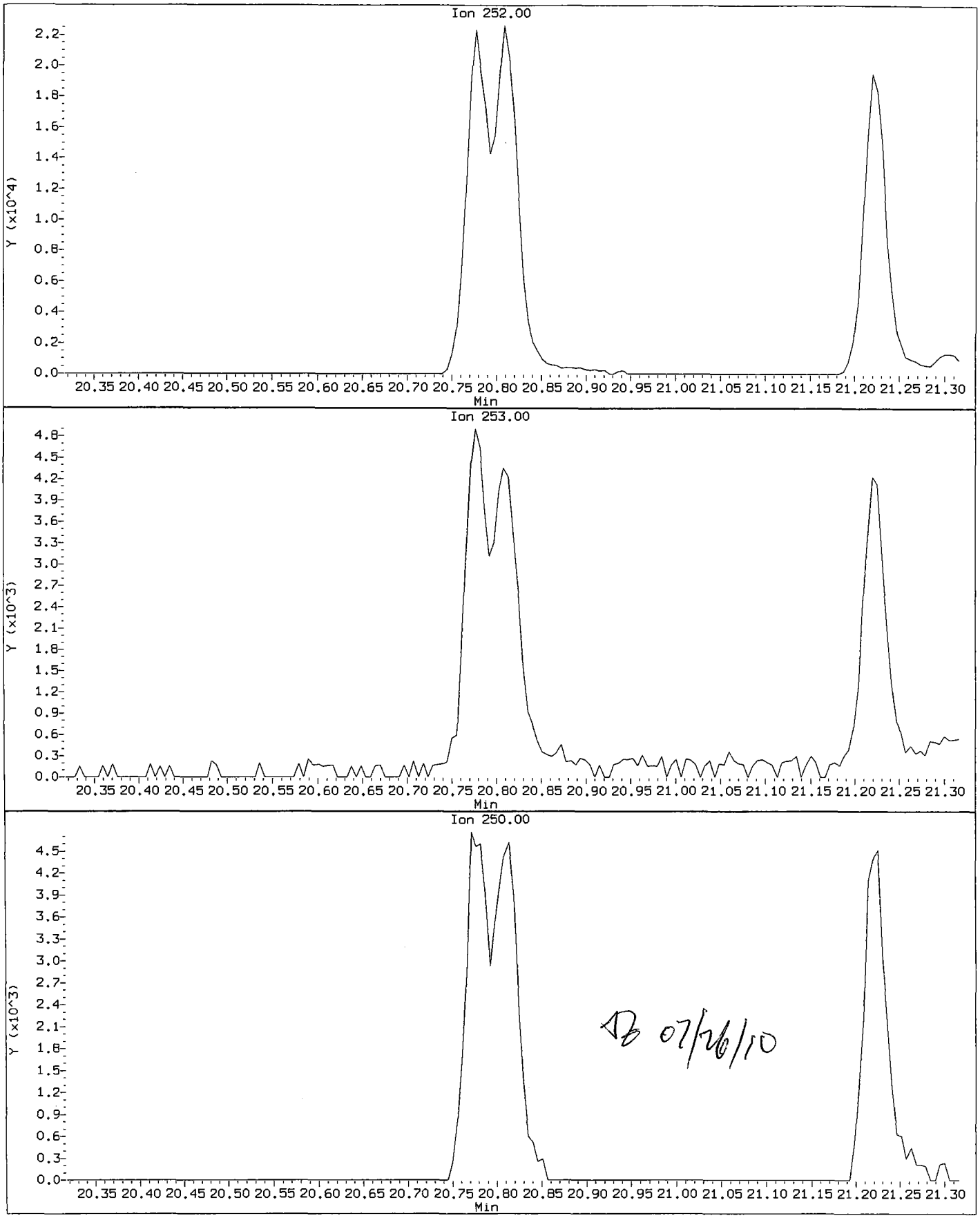
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

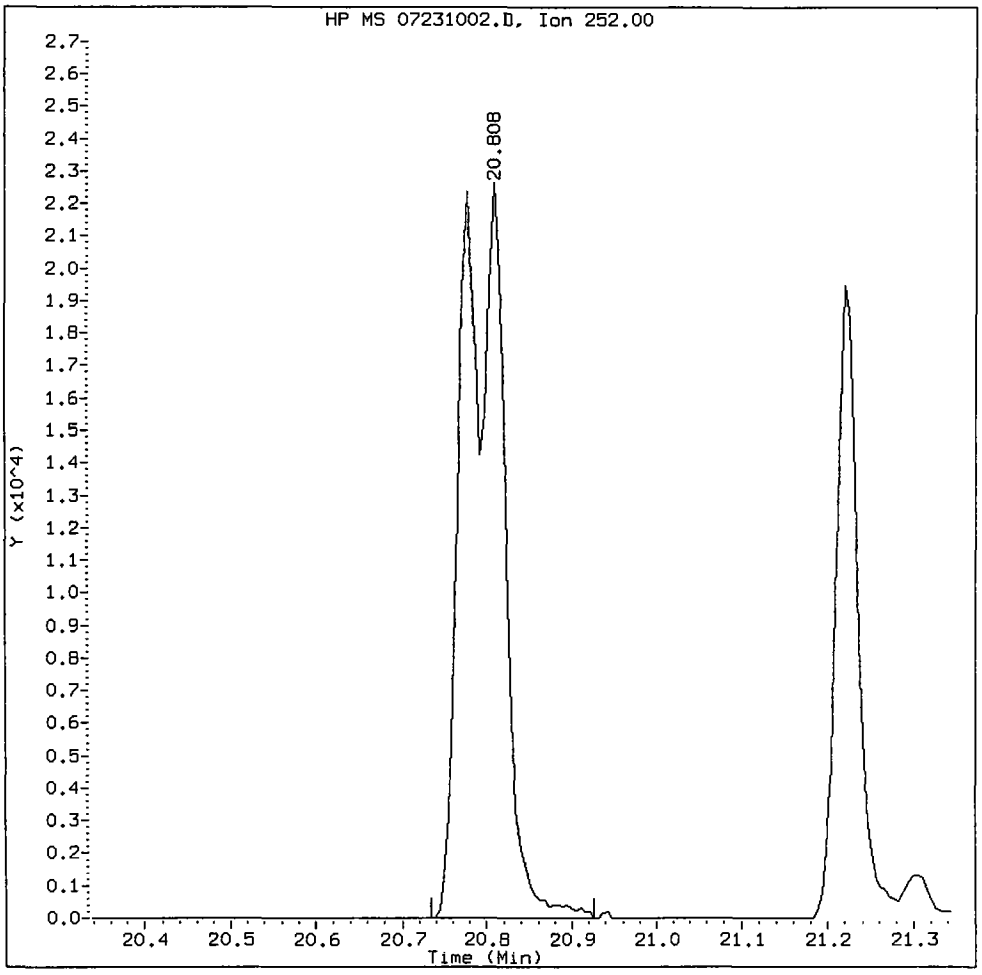
Compound: Total Benzofluoranthenes
CAS Number:



DB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Total Benzofluoranthenes Amount: 2.00 Area: 77462



MANUAL INTEGRATION for Total Benzofluoranthenes

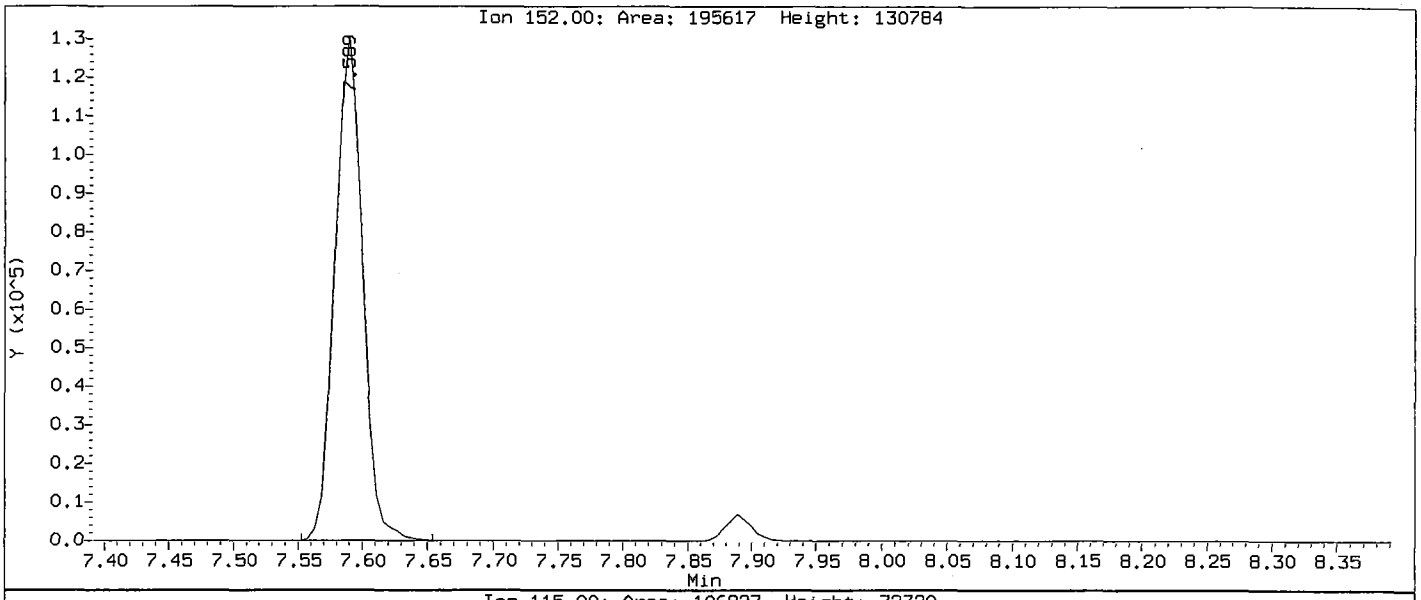
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

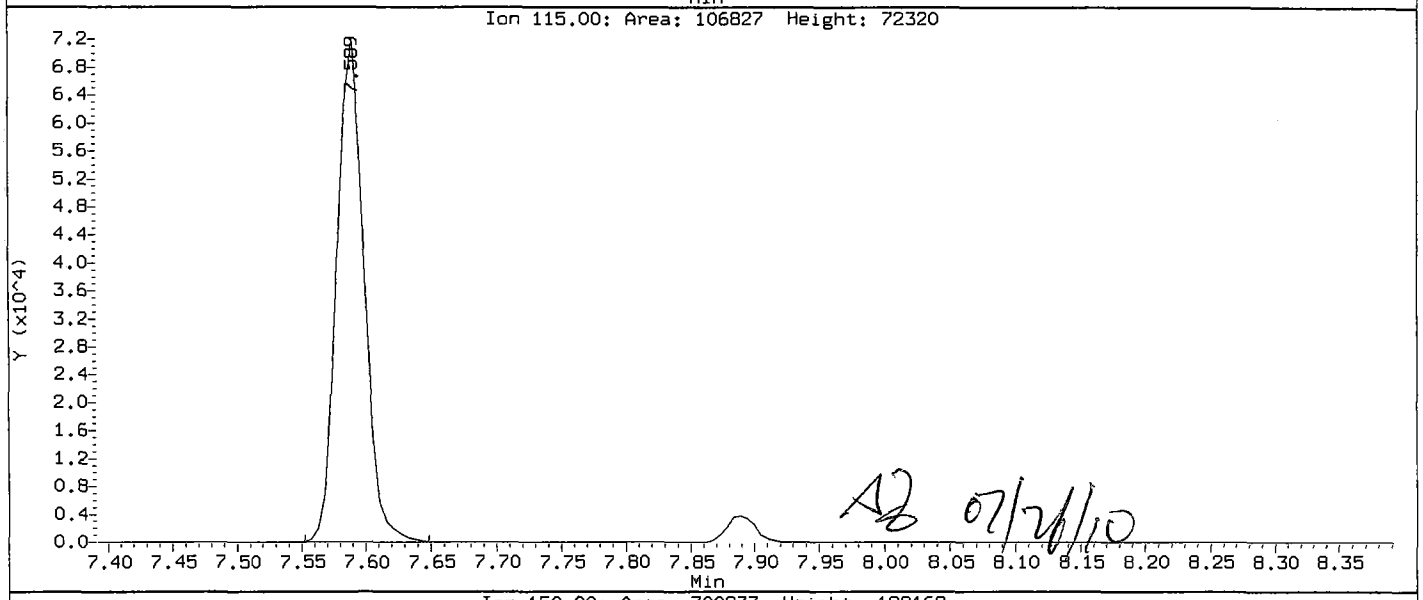
5. Other _____

Analyst: _____ Date: 07/26/10

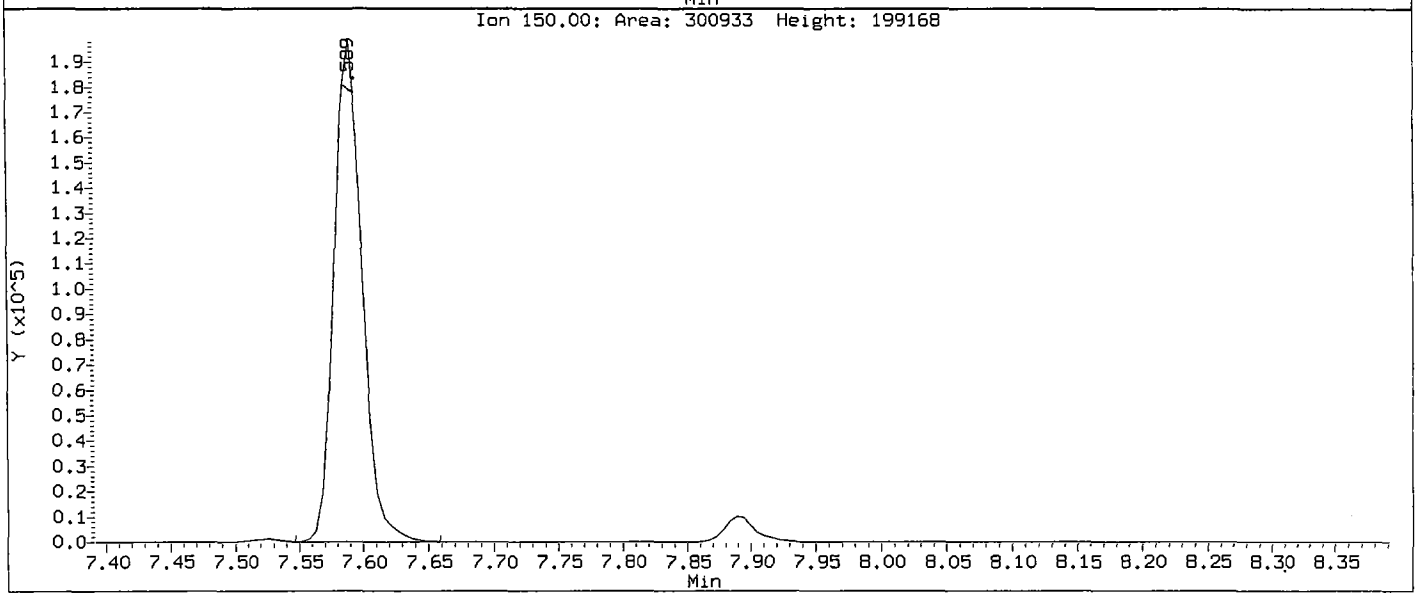
Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 1,2-Dichlorobenzene-d4
CAS Number: 2199-69-1



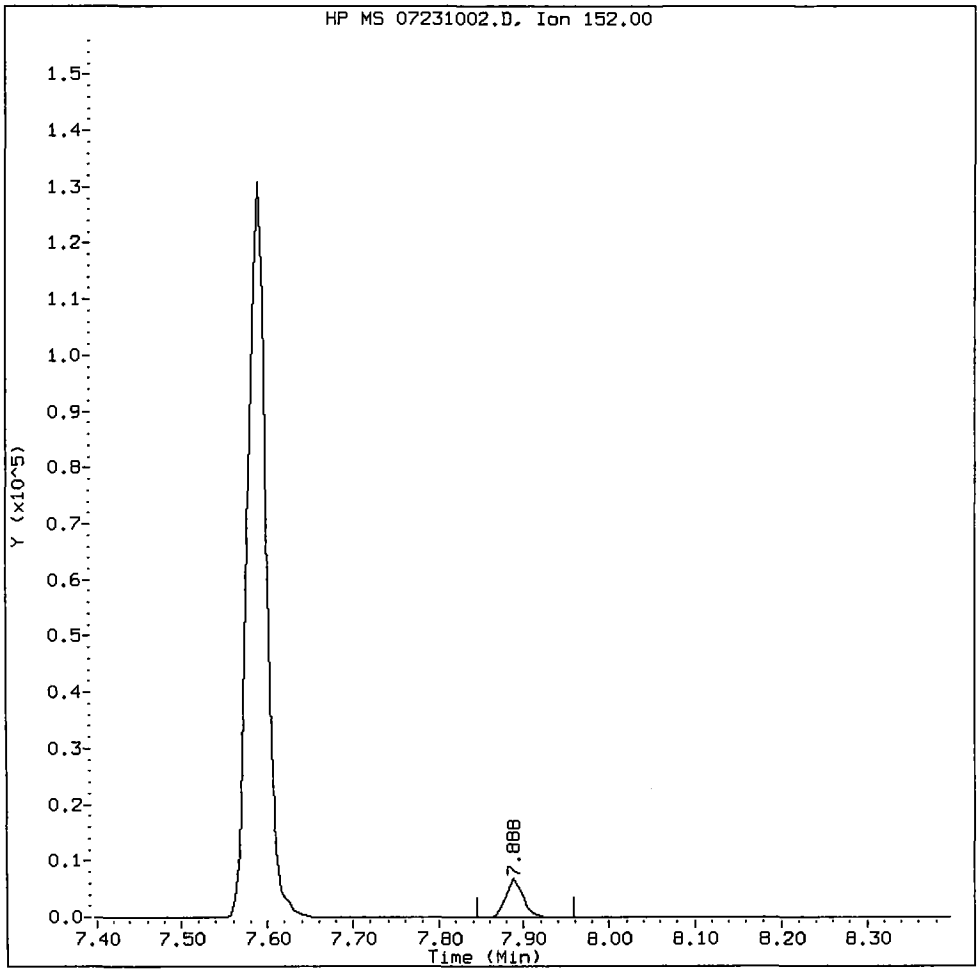


AB 07/29/10



IC010723, /chem1/nt6.i/20100723.b/07231002.D

1,2-Dichlorobenzene-d4 Amount: 1.00 Area: 9473



MANUAL INTEGRATION for 1,2-Dichlorobenzene-d4

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation
5. Other RT correction

Analyst: [signature] Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231003.D
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Inj Date : 23-JUL-2010 16:16
Operator : JZ Inst ID: nt6.i
Smp Info : IC050723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 16:16 Cal File: 07231003.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	5.601	5.610	(0.738)	62073	5.00000	4.981
$ 2	Phenol-d5	99	7.204	7.218	(0.949)	73294	5.00000	4.782
3	Phenol	94	7.220	7.237	(0.951)	91025	5.00000	5.038
$ 5	2-Chlorophenol-d4	132	7.295	7.303	(0.961)	61520	5.00000	4.683
4	Bis(2-Chloroethyl)ether	93	7.273	7.290	(0.958)	64256	5.00000	4.742
6	2-Chlorophenol	128	7.316	7.327	(0.964)	76417	5.00000	4.949
7	1,3-Dichlorobenzene	146	7.524	7.530	(0.992)	84066	5.00000	4.777
* 8	1,4-Dichlorobenzene-d4	152	7.588	7.595	(1.000)	188843	20.0000	
9	1,4-Dichlorobenzene	146	7.615	7.621	(1.004)	80512	5.00000	4.771
$ 10	1,2-Dichlorobenzene-d4	152	7.887	7.896	(1.039)	42333	5.00000	4.807
12	1,2-Dichlorobenzene	146	7.909	7.915	(1.042)	77428	5.00000	4.752
11	Benzyl alcohol	108	7.893	7.910	(1.040)	37693	5.00000	5.074
14	2,2'-oxybis(1-Chloropropane)	45	8.160	8.161	(1.075)	68852	5.00000	4.830
13	2-Methylphenol	108	8.155	8.166	(1.075)	65950	5.00000	5.028
17	Hexachloroethane	117	8.400	8.406	(1.107)	29693	5.00000	4.763
16	N-Nitroso-di-n-propylamine	70	8.368	8.390	(1.103)	42945	5.00000	4.840
15	4-Methylphenol	108	8.389	8.406	(1.106)	67797	5.00000	5.177
$ 18	Nitrobenzene-d5	82	8.528	8.542	(0.885)	56653	5.00000	4.683
19	Nitrobenzene	77	8.560	8.572	(0.888)	67842	5.00000	4.754
20	Isophorone	82	8.945	8.967	(0.928)	104816	5.00000	4.812
21	2-Nitrophenol	139	9.079	9.090	(0.942)	39084	5.00000	5.159
22	2,4-Dimethylphenol	107	9.217	9.234	(0.956)	68790	5.00000	5.014
23	Bis(2-Chloroethoxy)methane	93	9.356	9.373	(0.971)	72352	5.00000	4.787
24	Benzoic acid	105	9.383	9.603	(0.973)	76776	10.0000	10.00
25	2,4-Dichlorophenol	162	9.474	9.485	(0.983)	59625	5.00000	5.154
26	1,2,4-Trichlorobenzene	180	9.591	9.597	(0.995)	61064	5.00000	4.715
* 27	Naphthalene-d8	136	9.639	9.651	(1.000)	605649	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.671	9.683	(1.003)	181764	5.00000	4.719
	29 4-Chloroaniline	127	9.837	9.843	(1.020)	72237	5.00000	4.855
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	34322	5.00000	4.693
	31 4-Chloro-3-methylphenol	107	10.670	10.682	(1.107)	55875	5.00000	5.059
	32 2-Methylnaphthalene	141	10.798	10.805	(1.120)	96623	5.00000	4.673
	33 Hexachlorocyclopentadiene	237	11.183	11.184	(0.895)	24140	5.00000	5.946
	34 2,4,6-Trichlorophenol	196	11.322	11.333	(0.906)	38607	5.00000	5.224
	35 2,4,5-Trichlorophenol	196	11.380	11.392	(0.911)	38732	5.00000	4.978
$	36 2-Fluorobiphenyl	172	11.450	11.453	(0.916)	116339	5.00000	4.614
	37 2-Chloronaphthalene	162	11.567	11.579	(0.926)	115487	5.00000	4.767
	38 2-Nitroaniline	65	11.818	11.835	(0.946)	26745	5.00000	5.052
	39 Dimethylphthalate	163	12.198	12.220	(0.976)	122958	5.00000	4.779
	40 Acenaphthylene	152	12.246	12.252	(0.980)	181028	5.00000	4.802
	41 2,6-Dinitrotoluene	165	12.288	12.305	(0.983)	28217	5.00000	5.140
*	42 Acenaphthene-d10	164	12.497	12.503	(1.000)	328204	20.0000	
	43 3-Nitroaniline	138	12.497	12.519	(1.000)	27727	5.00000	5.095
	44 Acenaphthene	153	12.545	12.562	(1.004)	107606	5.00000	4.750
	45 2,4-Dinitrophenol	184	12.662	12.690	(1.013)	26211	10.0000	10.00
	46 Dibenzofuran	168	12.807	12.823	(1.025)	142947	5.00000	4.692
	47 4-Nitrophenol	109	12.839	12.861	(1.027)	15729	5.00000	5.699 (M)
	48 2,4-Dinitrotoluene	165	12.908	12.930	(1.033)	35468	5.00000	5.102
	50 Diethylphthalate	149	13.351	13.368	(1.068)	118248	5.00000	4.653
	49 Fluorene	166	13.362	13.379	(1.069)	123844	5.00000	4.667
	51 4-Chlorophenyl-phenylether	204	13.399	13.411	(1.072)	58261	5.00000	4.772
	52 4-Nitroaniline	138	13.485	13.523	(1.079)	28297	5.00000	5.191
	53 4,6-Dinitro-2-methylphenol	198	13.554	13.593	(0.912)	43858	10.0000	10.00
	54 N-Nitrosodiphenylamine	169	13.608	13.630	(0.916)	87899	5.00000	4.840
$	55 2,4,6-Tribromophenol	330	13.784	13.798	(1.103)	13235	5.00000	4.914
	56 4-Bromophenyl-phenylether	248	14.179	14.185	(0.954)	35138	5.00000	4.831
	57 Hexachlorobenzene	284	14.382	14.399	(0.968)	37907	5.00000	4.835
	58 Pentachlorophenol	266	14.692	14.704	(0.989)	19791	5.00000	5.789
*	59 Phenanthrene-d10	188	14.858	14.869	(1.000)	492773	20.0000	
	60 Phenanthrene	178	14.895	14.912	(1.003)	159461	5.00000	4.707
	61 Anthracene	178	14.964	14.987	(1.007)	166219	5.00000	4.775
	62 Carbazole	167	15.263	15.280	(1.027)	158046	5.00000	4.841
	63 Di-n-butylphthalate	149	16.001	16.012	(1.077)	192052	5.00000	5.004
	64 Fluoranthene	202	16.823	16.835	(1.132)	177338	5.00000	4.949
	65 Pyrene	202	17.176	17.187	(0.897)	178662	5.00000	4.347
$	66 Terphenyl-d14	244	17.512	17.515	(0.914)	96507	5.00000	4.220
	67 Butylbenzylphthalate	149	18.404	18.421	(0.961)	80552	5.00000	4.651
	68 Benzo(a)anthracene	228	19.130	19.147	(0.999)	166136	5.00000	4.340
*	69 Chrysene-d12	240	19.157	19.169	(1.000)	623042	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.162	19.174	(1.000)	55077	5.00000	4.433
	71 Chrysene	228	19.194	19.217	(1.002)	155906	5.00000	4.276
	72 bis(2-Ethylhexyl)phthalate	149	19.413	19.420	(0.954)	108145	5.00000	5.037
*	134 Di-n-octylphthalate-d4	153	20.343	20.354	(1.000)	685489	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	194029	5.00000	4.695

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.781	20.803	(0.975)	166719	5.00000	4.671
75	Benzo(k)fluoranthene	252	20.813	20.840	(0.977)	198908	5.00000	4.799
187	Total Benzofluoranthenes	252	20.813	20.840	(0.977)	344081	10.0000	9.327(M)
76	Benzo(a)pyrene	252	21.224	21.246	(0.996)	164015	5.00000	4.793
* 77	Perylene-d12	264	21.304	21.316	(1.000)	509773	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.688	22.720	(1.065)	216702	5.00000	4.777
79	Dibenzo(a,h)anthracene	278	22.714	22.747	(1.066)	169511	5.00000	4.925
80	Benzo(g,h,i)perylene	276	23.040	23.089	(1.081)	196333	5.00000	4.723
90	N-Nitrosodimethylamine	74	2.717	2.750	(0.358)	39738	5.00000	4.876
103	Pyridine	79	2.696	2.702	(0.355)	71561	5.00000	5.314
91	Aniline	93	7.150	7.157	(0.942)	95044	5.00000	4.934
105	1-methylnaphthalene	141	10.964	10.975	(1.137)	100691	5.00000	4.728
93	Benzidine	184	17.095	17.107	(0.892)	68739	5.00000	4.937
111	Azobenzene (1,2-DP-Hydrazine)	77	13.650	13.667	(1.092)	117681	5.00000	4.767
143	1,4-Dioxane	88	2.146	2.168	(0.283)	26093	5.00000	4.815
$ 137	d8-1,4-Dioxane	96	2.103	2.125	(0.277)	25422	5.00000	4.864
144	alpha-Terpineol	59	9.714	9.731	(1.008)	36496	5.00000	4.891
98	Retene	219	17.747	17.759	(0.926)	57705	5.00000	4.531
133	Butylatedhydroxytoluene	205	12.694	12.706	(1.016)	99782	5.00000	4.816
115	Tributyl Phosphate	99	13.731	13.763	(0.924)	140283	5.00000	5.022
116	Dibutyl Phenyl Phosphate	175	15.445	15.457	(1.040)	93863	5.00000	5.261
117	Butyl Diphenyl Phosphate	94	17.122	17.134	(0.894)	31549	5.00000	4.668
118	Triphenyl Phosphate	326	18.714	18.731	(0.977)	28800	5.00000	4.536
123	Acetophenone	105	8.299	8.316	(1.094)	81853	5.00000	4.847
179	n-Decane	57	7.444	7.450	(0.981)	53416	5.00000	4.648
180	n-Octadecane	57	14.825	14.832	(0.998)	52425	5.00000	4.767
168	Pentachlorobenzene	250	12.849	12.866	(1.028)	43692	5.00000	4.694
113	Diphenyl Oxide	170	11.776	11.782	(0.942)	108267	5.00000	4.622
112	Biphenyl	154	11.578	11.590	(0.926)	131006	5.00000	5.000
120	2,3,4,6-Tetrachlorophenol	232	13.100	13.112	(1.048)	32722	5.00000	5.205
151	1,2,4,5-Tetrachlorobenzene	216	11.135	11.141	(0.891)	60230	5.00000	4.770
110	Tetrachloroguaiacol	247	14.820	14.842	(0.997)	36086	10.0000	10.00
109	3,4,5-Trichloroguaiacol	213	13.202	13.219	(0.889)	18448	5.00000	5.000
181	3,4,6-Trichloroguaiacol	211	13.314	13.331	(1.755)	21749	5.00000	5.000
108	4,5,6-Trichloroguaiacol	213	14.238	14.250	(1.139)	18514	5.00000	5.000
184	3,4-Dichloroguaiacol	192	11.669	11.675	(1.538)	19386	5.00000	5.000
107	4,5-Dichloroguaiacol	192	12.459	12.476	(0.997)	48672	10.0000	10.00
182	4,6-Dichloroguaiacol	192	12.459	12.476	(1.642)	48672	10.0000	10.00
185	4-Chloroguaiacol	115	10.590	10.596	(1.396)	12618	2.50000	2.500
186	Carbaryl	144	15.680	15.702	(1.055)	58301	5.00000	4.718
106	Guaiacol	124	8.571	8.588	(1.129)	58543	5.00000	4.850

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231003.D
Lab Smp Id: IC050723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC050723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	188843	3.31
27 Naphthalene-d8	584137	292068	1168274	605649	3.68
42 Acenaphthene-d10	320442	160221	640884	328204	2.42
59 Phenanthrene-d10	503793	251896	1007586	492773	-2.19
69 Chrysene-d12	532343	266172	1064686	623042	17.04
134 Di-n-octylphthala	719428	359714	1438856	685489	-4.72
77 Perylene-d12	517269	258634	1034538	509773	-1.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.05
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.04
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.03
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.02
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.02
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.02

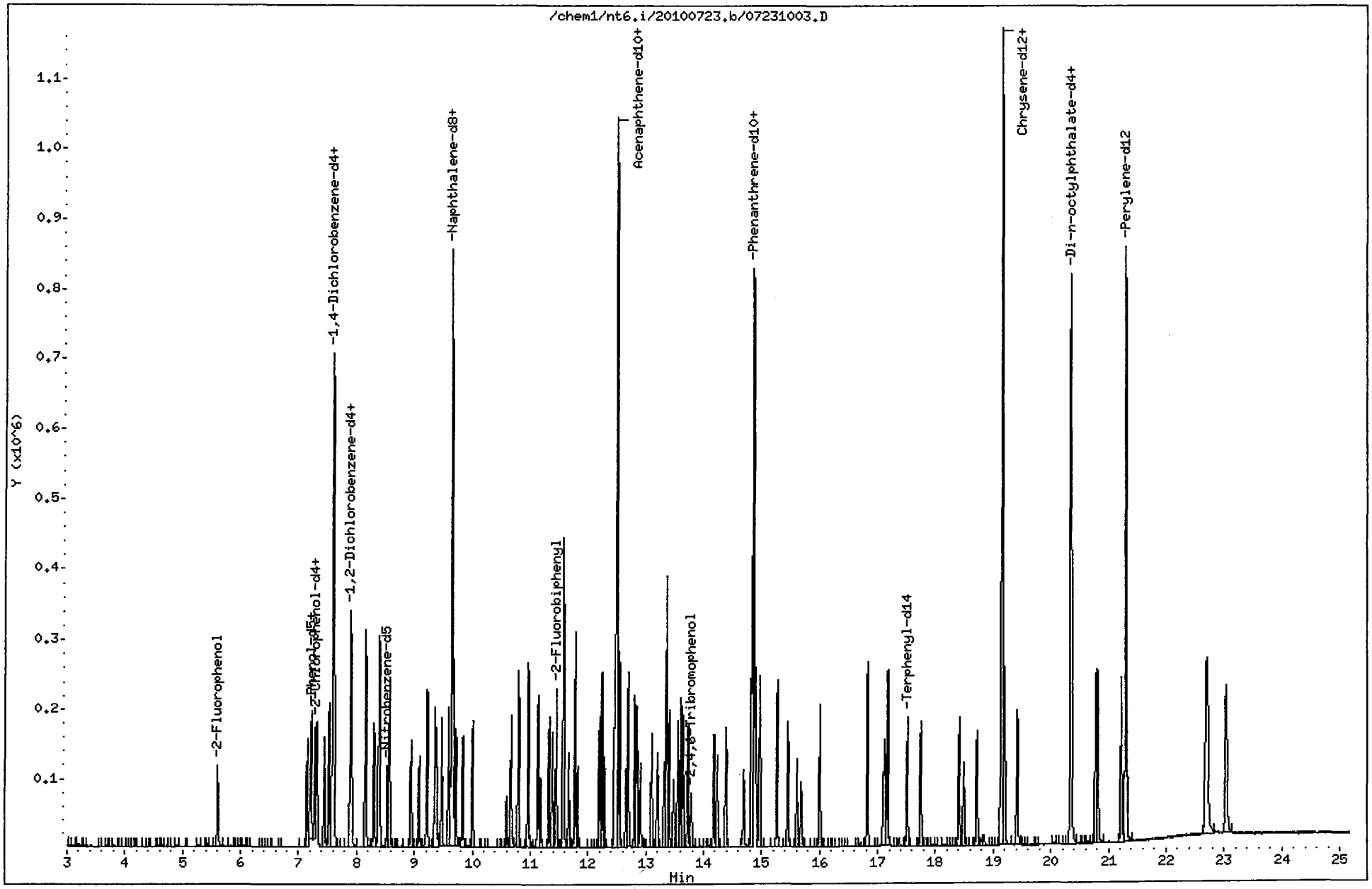
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231003.D
Date : 23-JUL-2010 16:16
Client ID: IC050723
Sample Info: IC050723,

Instrument: nt6.i

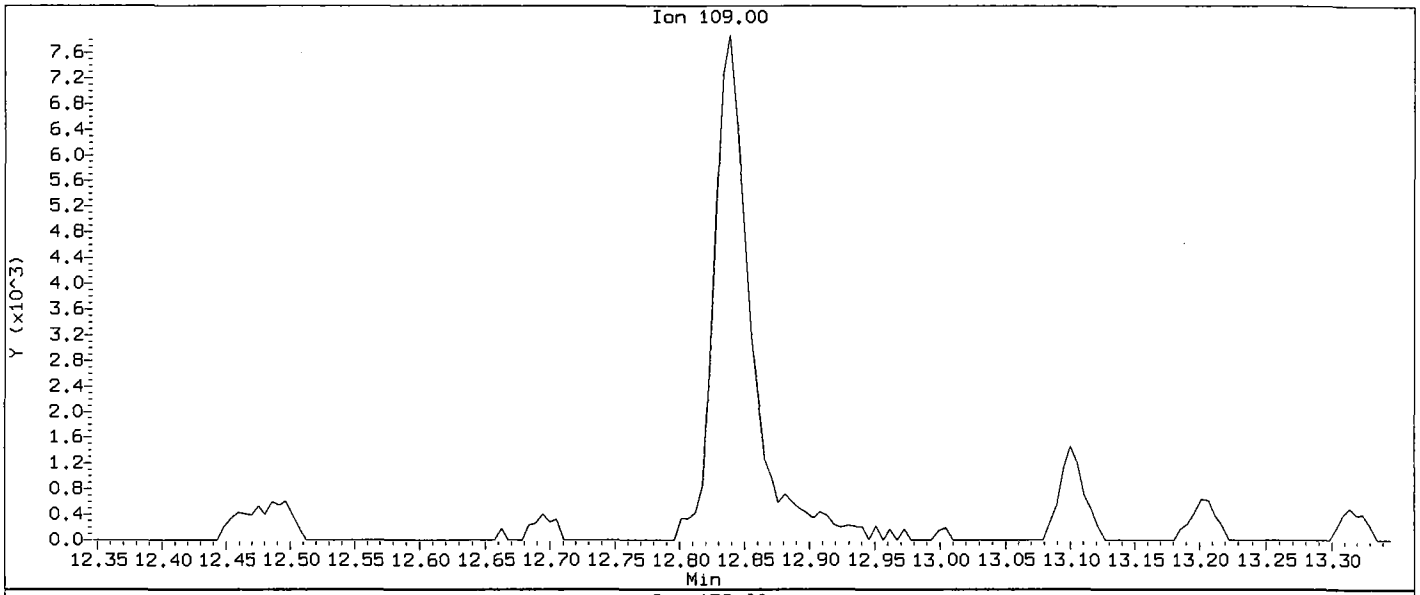
Operator: JZ
Column diameter: 0.32

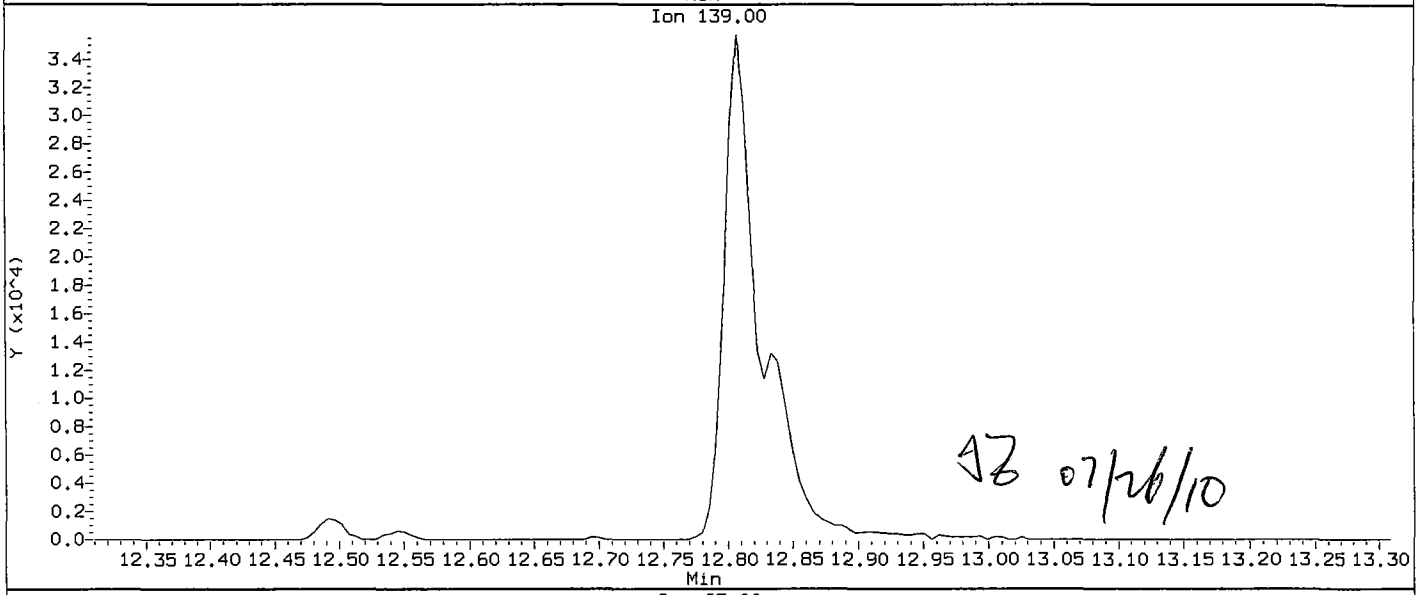
Column phase: ZB-5msi



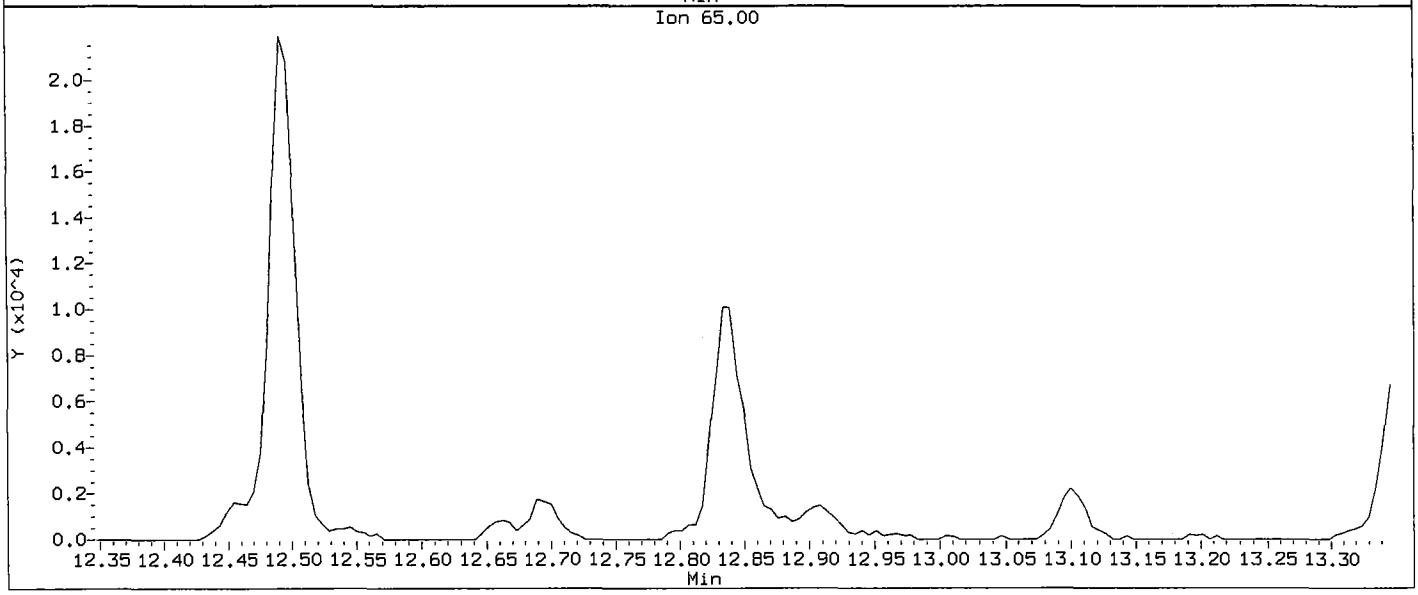
Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



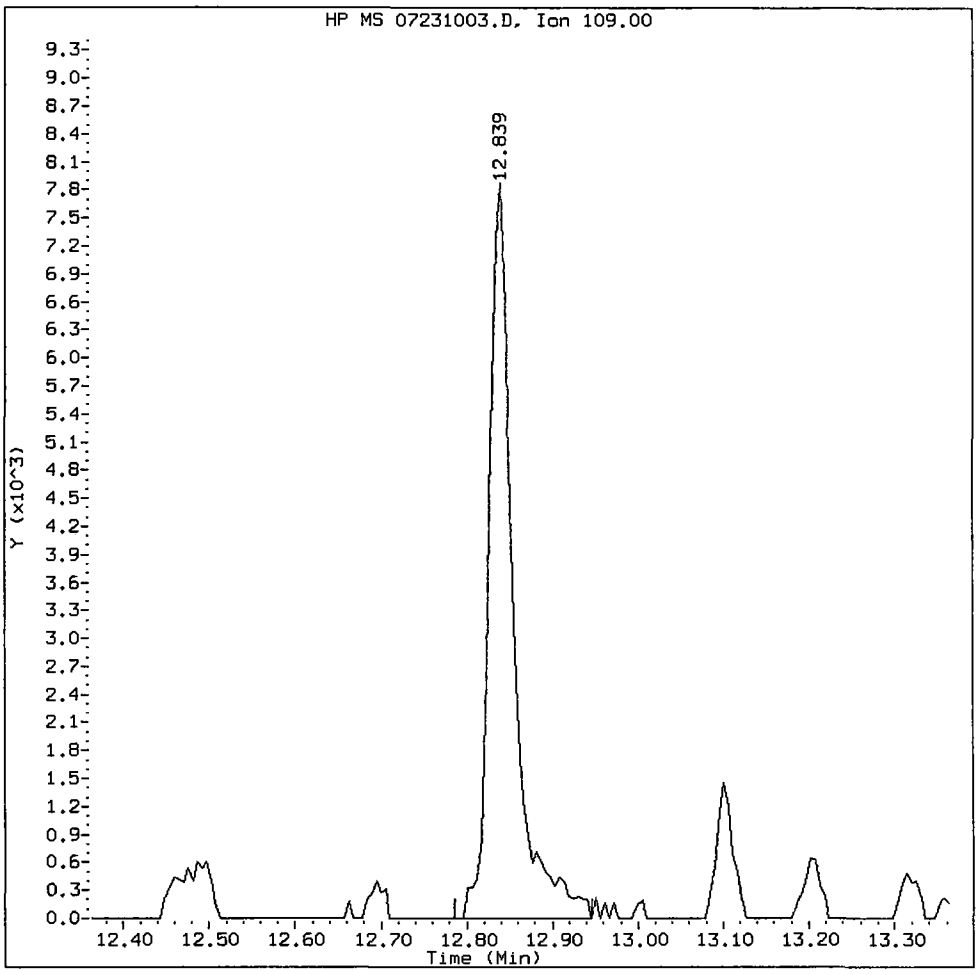


JZ 07/26/10



IC050723, /chem1/nt6.i/20100723.b/07231003.D

4-Nitrophenol Amount: 5.70 Area: 15729



MANUAL INTEGRATION for 4-Nitrophenol

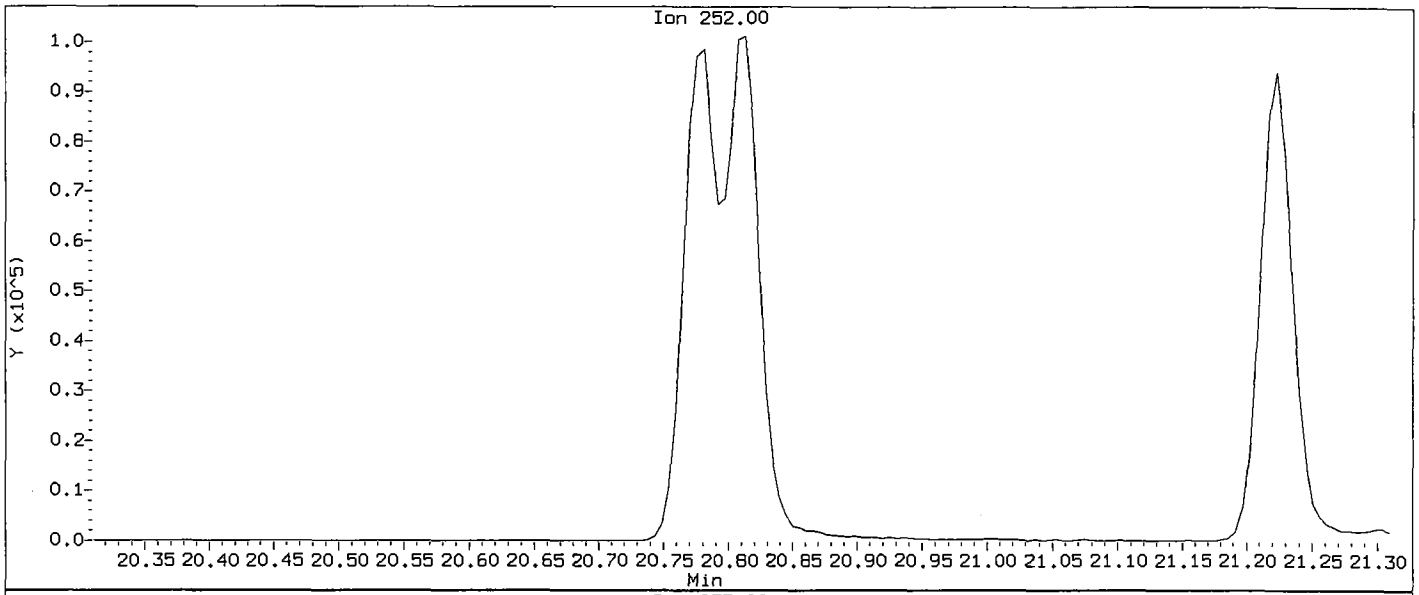
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

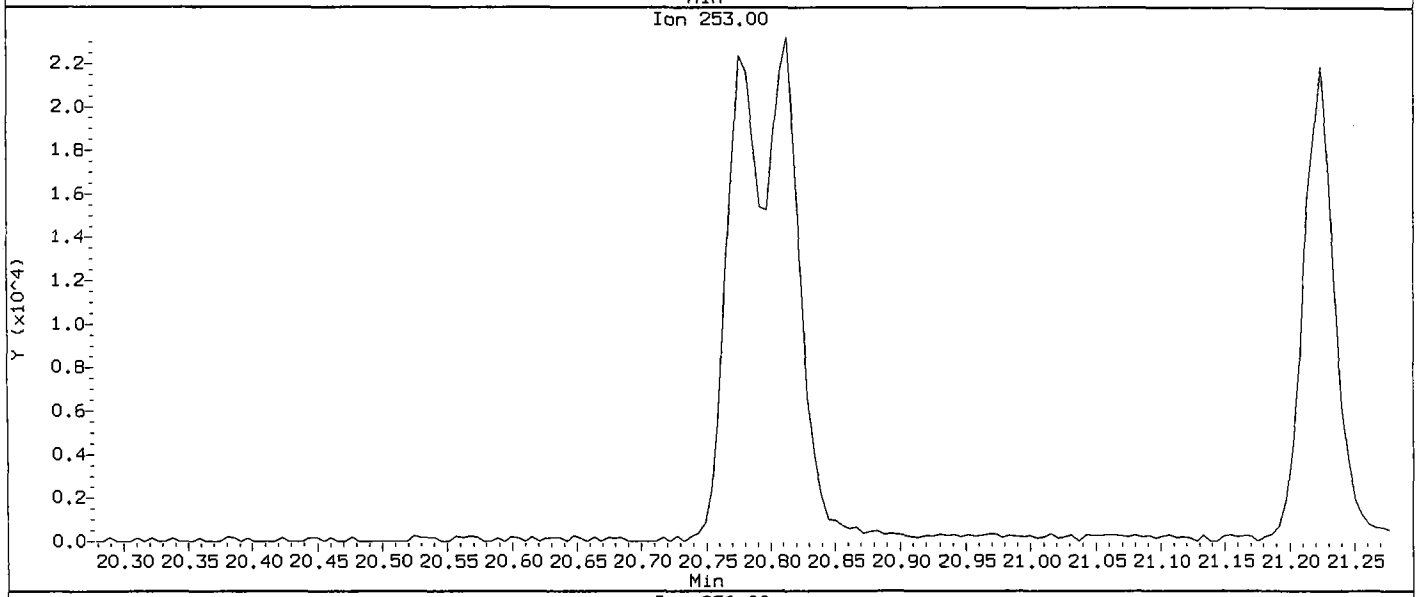
5. Other _____

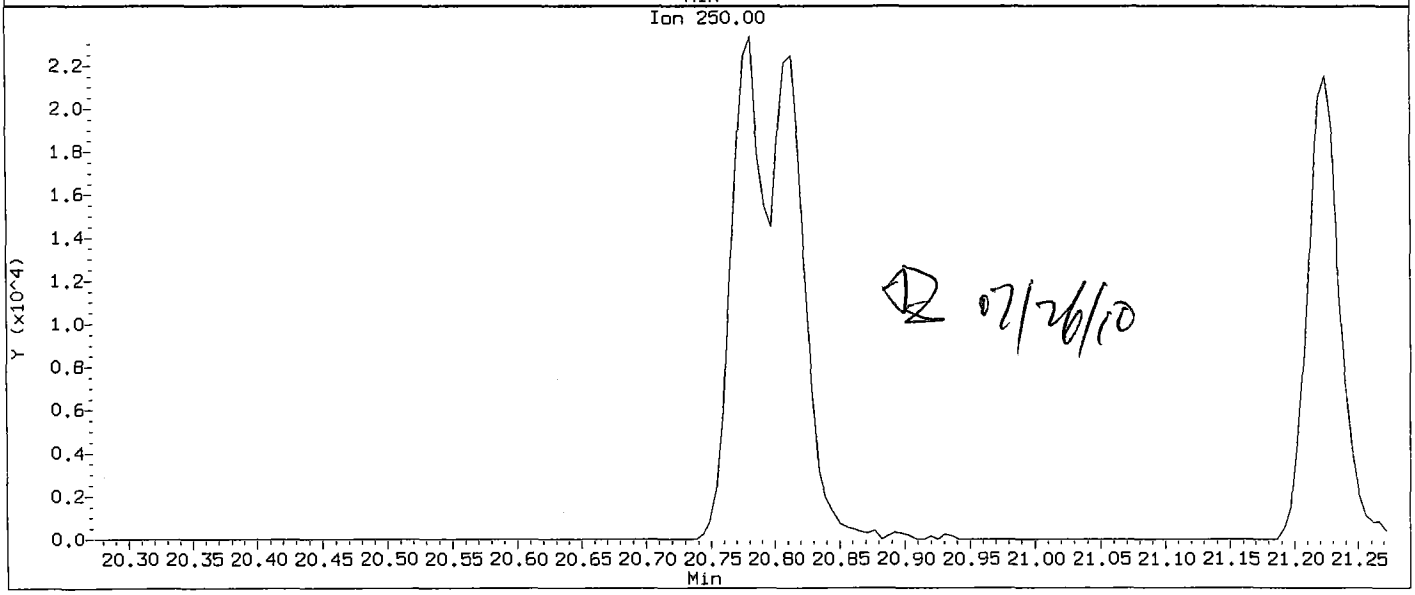
Analyst: _____ Date: 07/28/10

Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

Compound: Total Benzofluoranthenes
CAS Number:



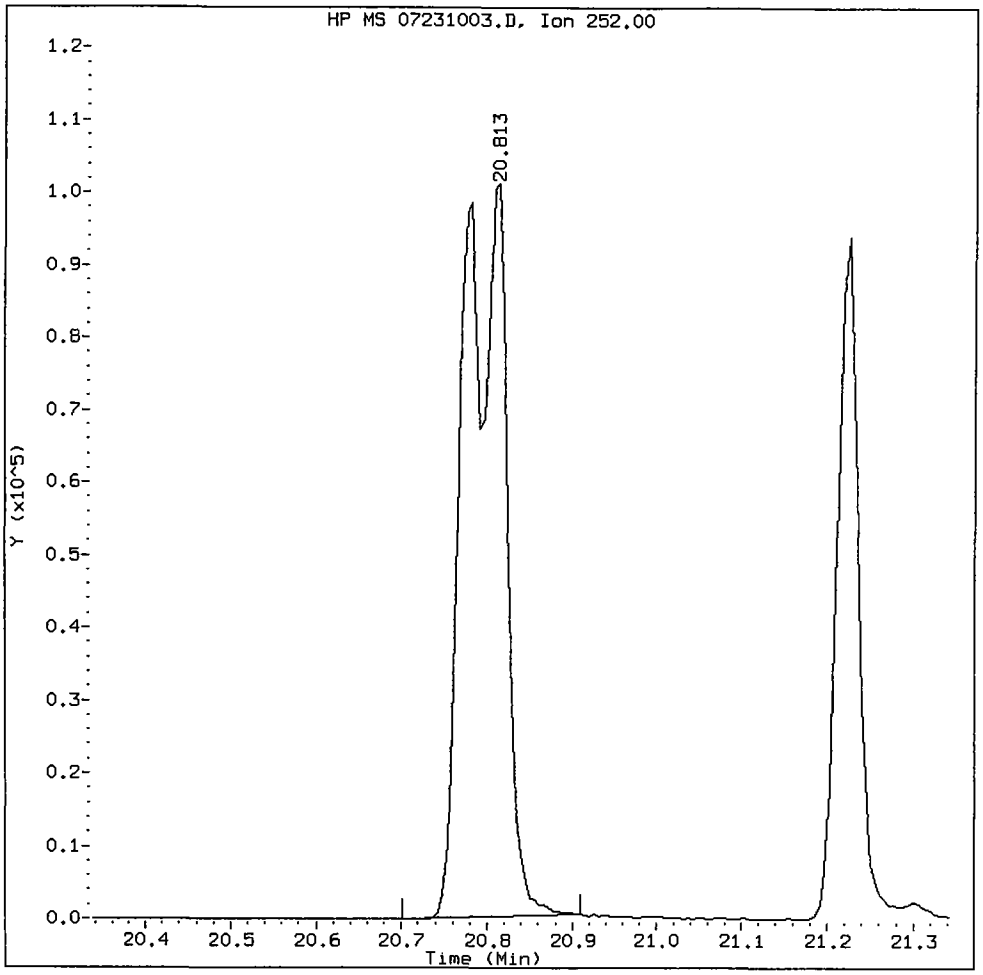




07/26/10

IC050723, /chem1/nt6.i/20100723.b/07231003.D

Total Benzofluoranthenes Amount: 9.33 Area: 344081



MANUAL INTEGRATION for Total Benzofluoranthenes

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231004.D
Lab Smp Id: IC100723 Client Smp ID: IC100723
Inj Date : 23-JUL-2010 16:52
Operator : JZ Inst ID: nt6.i
Smp Info : IC100723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 16:52 Cal File: 07231004.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/28/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.605	5.610	(0.738)	126872	10.0000	10.22
$	2 Phenol-d5	99	7.202	7.218	(0.949)	148082	10.0000	9.874
	3 Phenol	94	7.224	7.237	(0.951)	163142	10.0000	9.431
$	5 2-Chlorophenol-d4	132	7.293	7.303	(0.961)	124752	10.0000	9.760
	4 Bis(2-Chloroethyl)ether	93	7.277	7.290	(0.958)	121813	10.0000	9.403
	6 2-Chlorophenol	128	7.320	7.327	(0.964)	140635	10.0000	9.487
	7 1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	165746	10.0000	9.706
*	8 1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	185943	20.0000	
	9 1,4-Dichlorobenzene	146	7.614	7.621	(1.003)	162647	10.0000	9.858
$	10 1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	86495	10.0000	9.984
	12 1,2-Dichlorobenzene	146	7.913	7.915	(1.042)	152136	10.0000	9.649
	11 Benzyl alcohol	108	7.897	7.910	(1.040)	79223	10.0000	10.54
	14 2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	135515	10.0000	9.767
	13 2-Methylphenol	108	8.153	8.166	(1.074)	120955	10.0000	9.567
	17 Hexachloroethane	117	8.399	8.406	(1.106)	58544	10.0000	9.687
	16 N-Nitroso-di-n-propylamine	70	8.367	8.390	(1.102)	86011	10.0000	9.896
	15 4-Methylphenol	108	8.388	8.406	(1.105)	122953	10.0000	9.685
$	18 Nitrobenzene-d5	82	8.532	8.542	(0.885)	117660	10.0000	9.952
	19 Nitrobenzene	77	8.559	8.572	(0.888)	134857	10.0000	9.761
	20 Isophorone	82	8.944	8.967	(0.927)	212825	10.0000	9.983
	21 2-Nitrophenol	139	9.082	9.090	(0.942)	76116	10.0000	10.17
	22 2,4-Dimethylphenol	107	9.221	9.234	(0.956)	128445	10.0000	9.701
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	149711	10.0000	10.07
	24 Benzoic acid	105	9.419	9.603	(0.977)	163463	20.0000	20.83
	25 2,4-Dichlorophenol	162	9.472	9.485	(0.982)	111444	10.0000	9.889
	26 1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	123035	10.0000	9.797
*	27 Naphthalene-d8	136	9.643	9.651	(1.000)	593293	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.670	9.683	(1.003)	365998	10.0000	9.797
	29 4-Chloroaniline	127	9.835	9.843	(1.020)	147238	10.0000	10.07
	30 Hexachlorobutadiene	225	10.001	10.009	(1.037)	69541	10.0000	9.802
	31 4-Chloro-3-methylphenol	107	10.669	10.682	(1.106)	107429	10.0000	9.953
	32 2-Methylnaphthalene	141	10.797	10.805	(1.120)	197718	10.0000	9.839
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.895)	58996	10.0000	12.73
	34 2,4,6-Trichlorophenol	196	11.320	11.333	(0.906)	74618	10.0000	10.16
	35 2,4,5-Trichlorophenol	196	11.379	11.392	(0.911)	75201	10.0000	9.867
$	36 2-Fluorobiphenyl	172	11.448	11.453	(0.916)	233627	10.0000	9.590
	37 2-Chloronaphthalene	162	11.571	11.579	(0.926)	231438	10.0000	9.790
	38 2-Nitroaniline	65	11.817	11.835	(0.946)	55300	10.0000	10.39
	39 Dimethylphthalate	163	12.202	12.220	(0.976)	255146	10.0000	10.04
	40 Acenaphthylene	152	12.244	12.252	(0.980)	366052	10.0000	9.898
	41 2,6-Dinitrotoluene	165	12.287	12.305	(0.983)	59580	10.0000	10.65
*	42 Acenaphthene-d10	164	12.495	12.503	(1.000)	323613	20.0000	
	43 3-Nitroaniline	138	12.495	12.519	(1.000)	57832	10.0000	10.51
	44 Acenaphthene	153	12.549	12.562	(1.004)	219666	10.0000	9.889
	45 2,4-Dinitrophenol	184	12.661	12.690	(1.013)	67900	20.0000	22.71
	46 Dibenzofuran	168	12.810	12.823	(1.025)	295122	10.0000	9.882
	47 4-Nitrophenol	109	12.837	12.861	(1.027)	31555	10.0000	11.01(M)
	48 2,4-Dinitrotoluene	165	12.912	12.930	(1.033)	75601	10.0000	10.66
	50 Diethylphthalate	149	13.355	13.368	(1.069)	237651	10.0000	9.650
	49 Fluorene	166	13.366	13.379	(1.070)	251059	10.0000	9.726
	51 4-Chlorophenyl-phenylether	204	13.403	13.411	(1.073)	118001	10.0000	9.868
	52 4-Nitroaniline	138	13.489	13.523	(1.079)	58433	10.0000	10.56
	53 4,6-Dinitro-2-methylphenol	198	13.558	13.593	(0.912)	93942	20.0000	20.60
	54 N-Nitrosodiphenylamine	169	13.612	13.630	(0.916)	179875	10.0000	9.881
$	55 2,4,6-Tribromophenol	330	13.788	13.798	(1.103)	29796	10.0000	10.78
	56 4-Bromophenyl-phenylether	248	14.178	14.185	(0.954)	74043	10.0000	10.06
	57 Hexachlorobenzene	284	14.386	14.399	(0.968)	78922	10.0000	9.989
	58 Pentachlorophenol	266	14.691	14.704	(0.988)	44473	10.0000	11.76
*	59 Phenanthrene-d10	188	14.861	14.869	(1.000)	496900	20.0000	
	60 Phenanthrene	178	14.893	14.912	(1.002)	333776	10.0000	9.845
	61 Anthracene	178	14.968	14.987	(1.007)	346010	10.0000	9.904
	62 Carbazole	167	15.267	15.280	(1.027)	323370	10.0000	9.882
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	402360	10.0000	10.26
	64 Fluoranthene	202	16.822	16.835	(1.132)	366262	10.0000	10.09
	65 Pyrene	202	17.174	17.187	(0.897)	365007	10.0000	9.373
$	66 Terphenyl-d14	244	17.511	17.515	(0.914)	202672	10.0000	9.359
	67 Butylbenzylphthalate	149	18.408	18.421	(0.961)	172956	10.0000	10.14
	68 Benzo(a)anthracene	228	19.134	19.147	(0.999)	337172	10.0000	9.320
*	69 Chrysene-d12	240	19.156	19.169	(1.000)	608888	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.161	19.174	(1.000)	111890	10.0000	9.463
	71 Chrysene	228	19.198	19.217	(1.002)	317375	10.0000	9.244
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	234792	10.0000	10.52
*	134 Di-n-octylphthalate-d4	153	20.347	20.354	(1.000)	694500	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	395465	10.0000	9.623

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.779	20.803	(0.975)	358007	10.0000	10.12
75	Benzo(k)fluoranthene	252	20.811	20.840	(0.977)	375520	10.0000	9.450
187	Total Benzofluoranthenes	252	20.811	20.840	(0.977)	687719	20.0000	19.27(M)
76	Benzo(a)pyrene	252	21.223	21.246	(0.996)	342186	10.0000	10.10
* 77	Perylene-d12	264	21.303	21.316	(1.000)	502175	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.686	22.720	(1.065)	442073	10.0000	9.928
79	Dibenzo(a,h)anthracene	278	22.718	22.747	(1.066)	346747	10.0000	10.15
80	Benzo(g,h,i)perylene	276	23.044	23.089	(1.082)	396501	10.0000	9.786
90	N-Nitrosodimethylamine	74	2.716	2.750	(0.358)	82848	10.0000	10.21
103	Pyridine	79	2.694	2.702	(0.355)	150658	10.0000	10.87
91	Aniline	93	7.149	7.157	(0.942)	193137	10.0000	10.12
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	201404	10.0000	9.767
93	Benzidine	184	17.099	17.107	(0.893)	125128	10.0000	9.449
111	Azobenzene (1,2-DP-Hydrazine)	77	13.649	13.667	(1.092)	242420	10.0000	9.973
143	1,4-Dioxane	88	2.150	2.168	(0.283)	53699	10.0000	10.04
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.278)	51732	10.0000	10.03
144	alpha-Terpineol	59	9.718	9.731	(1.008)	72894	10.0000	9.981
98	Retene	219	17.751	17.759	(0.927)	118903	10.0000	9.698
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	192083	10.0000	9.593
115	Tributyl Phosphate	99	13.729	13.763	(0.924)	281983	10.0000	10.01
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	191183	10.0000	10.41
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	63332	10.0000	9.722
118	Triphenyl Phosphate	326	18.718	18.731	(0.977)	60209	10.0000	9.801
123	Acetophenone	105	8.303	8.316	(1.094)	165015	10.0000	9.949
179	n-Decane	57	7.443	7.450	(0.980)	109312	10.0000	9.770
180	n-Octadecane	57	14.824	14.832	(0.997)	108426	10.0000	9.850
168	Pentachlorobenzene	250	12.853	12.866	(1.029)	90440	10.0000	9.903
113	Diphenyl Oxide	170	11.774	11.782	(0.942)	221103	10.0000	9.711
112	Biphenyl	154	11.577	11.590	(0.926)	263995	10.0000	10.11
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.049)	67353	10.0000	10.56
151	1,2,4,5-Tetrachlorobenzene	216	11.133	11.141	(0.891)	116394	10.0000	9.557
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	80353	20.0000	20.99
109	3,4,5-Trichloroguaiacol	213	13.206	13.219	(0.889)	40031	10.0000	10.37
181	3,4,6-Trichloroguaiacol	211	13.318	13.331	(1.754)	47470	10.0000	10.51
108	4,5,6-Trichloroguaiacol	213	14.237	14.250	(1.139)	41107	10.0000	10.59
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	42471	10.0000	10.53
107	4,5-Dichloroguaiacol	192	12.458	12.476	(0.997)	106396	20.0000	21.03
182	4,6-Dichloroguaiacol	192	12.458	12.476	(1.641)	106071	20.0000	21.01
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	26123	5.00000	5.125
186	Carbaryl	144	15.684	15.702	(1.055)	153576	10.0000	11.44
106	Guaiacol	124	8.575	8.588	(1.129)	114633	10.0000	9.761

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231004.D
Lab Smp Id: IC100723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC100723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	185943	1.73
27 Naphthalene-d8	584137	292068	1168274	593293	1.57
42 Acenaphthene-d10	320442	160221	640884	323613	0.99
59 Phenanthrene-d10	503793	251896	1007586	496900	-1.37
69 Chrysene-d12	532343	266172	1064686	608888	14.38
134 Di-n-octylphthala	719428	359714	1438856	694500	-3.46
77 Perylene-d12	517269	258634	1034538	502175	-2.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.04
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.02

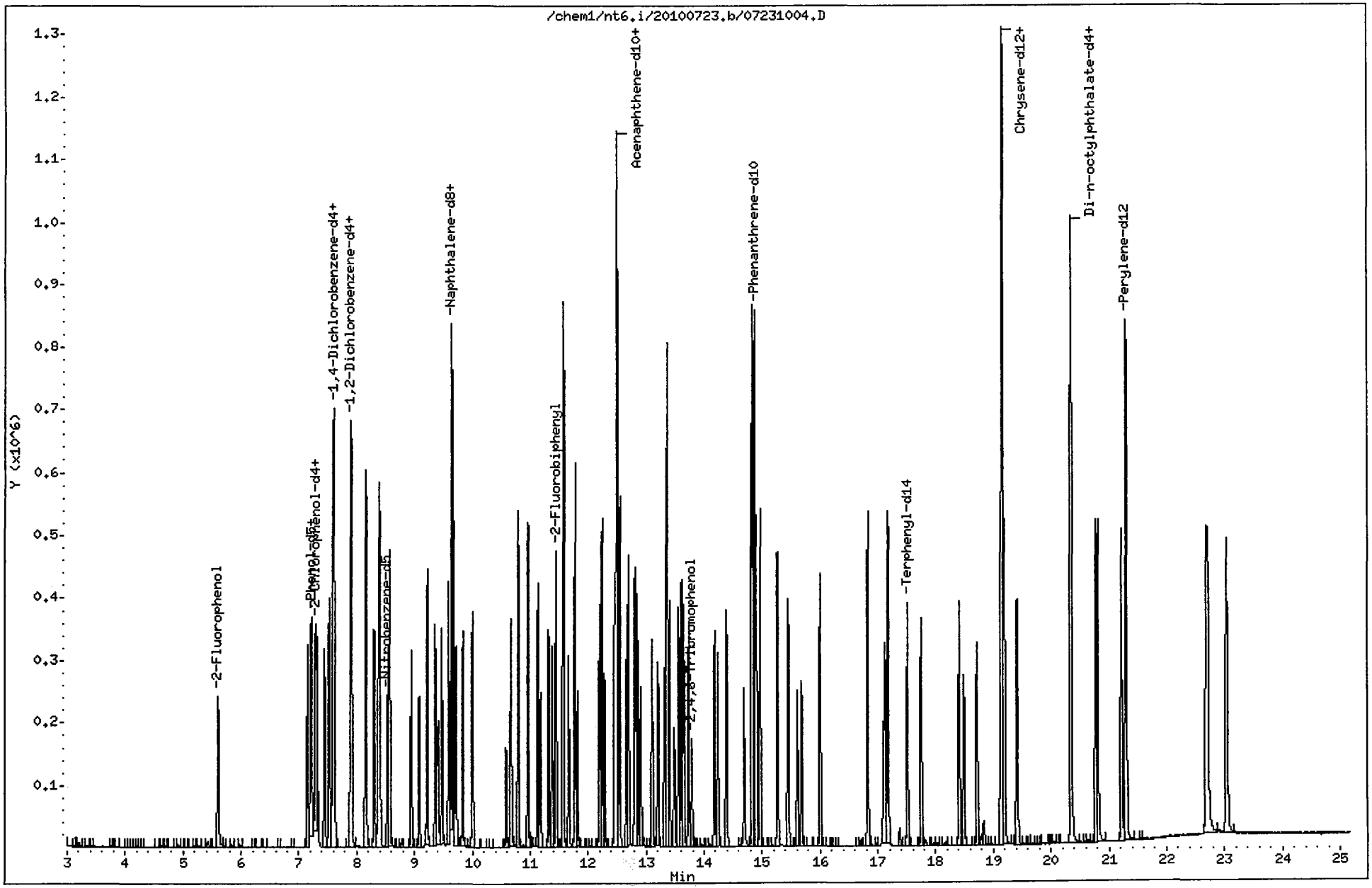
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231004.D
Date : 23-JUL-2010 16:52
Client ID: IC100723
Sample Info: IC100723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

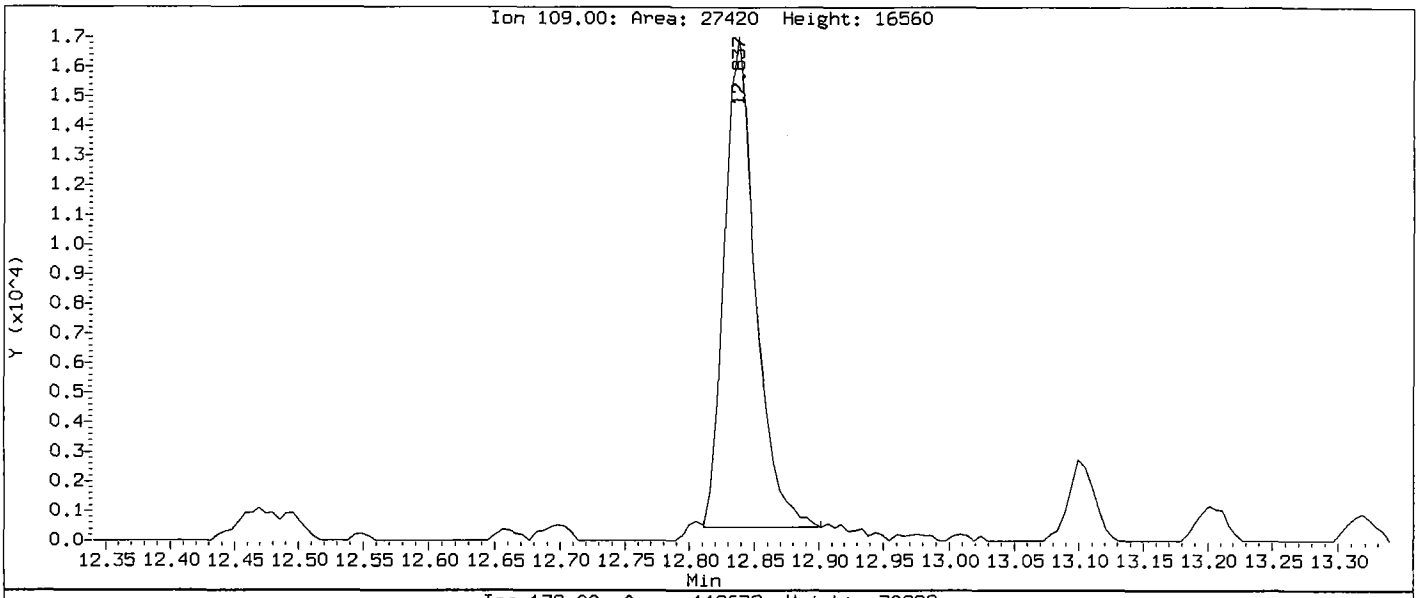
Column phase: ZB-5msi

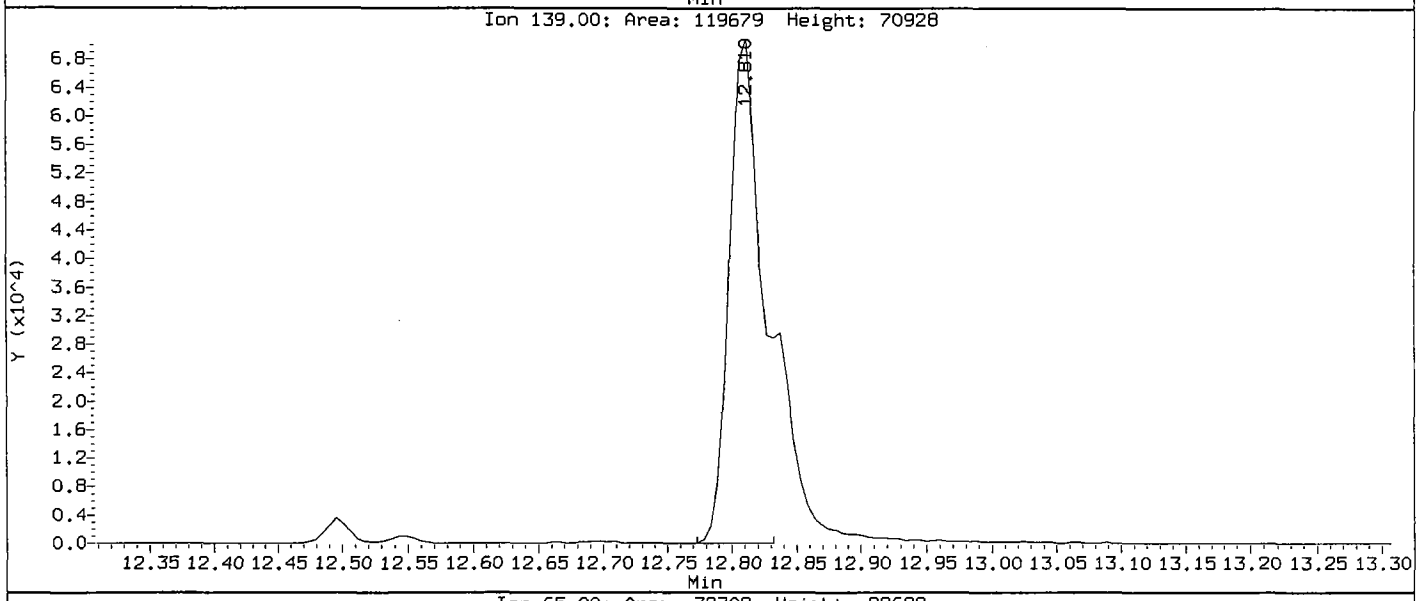


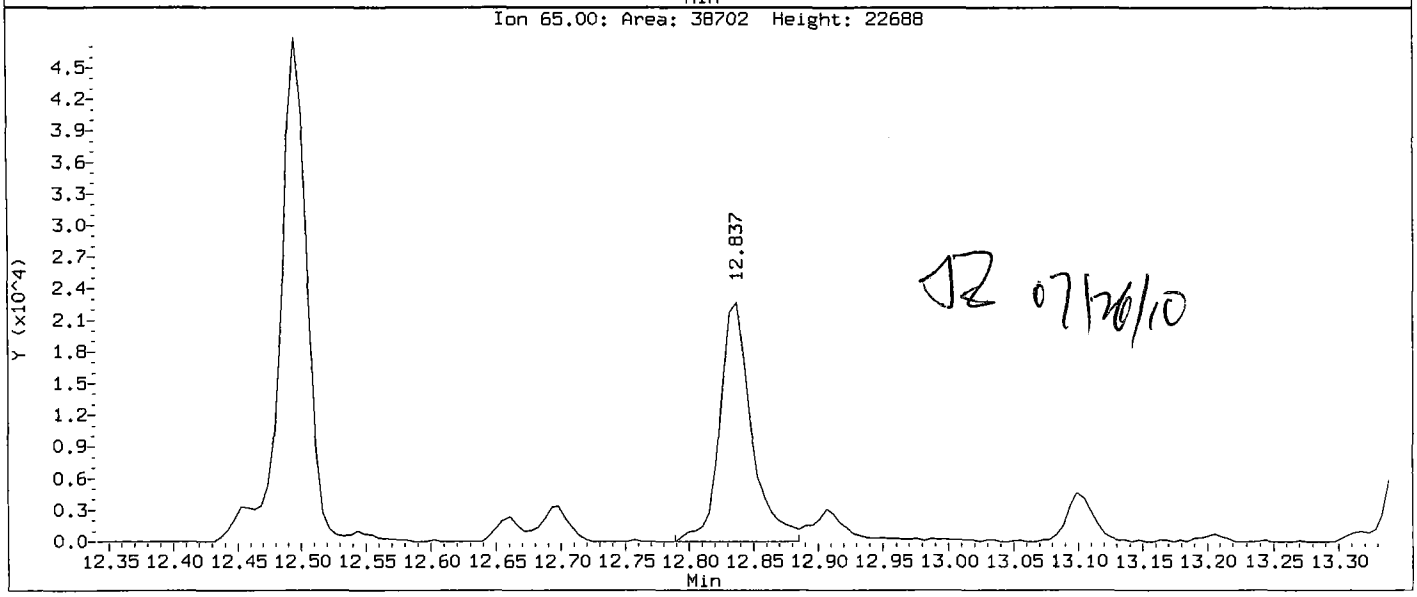
RGSU : 09711

Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

Compound: 4-Nitrophenol
CAS Number: 100-02-7





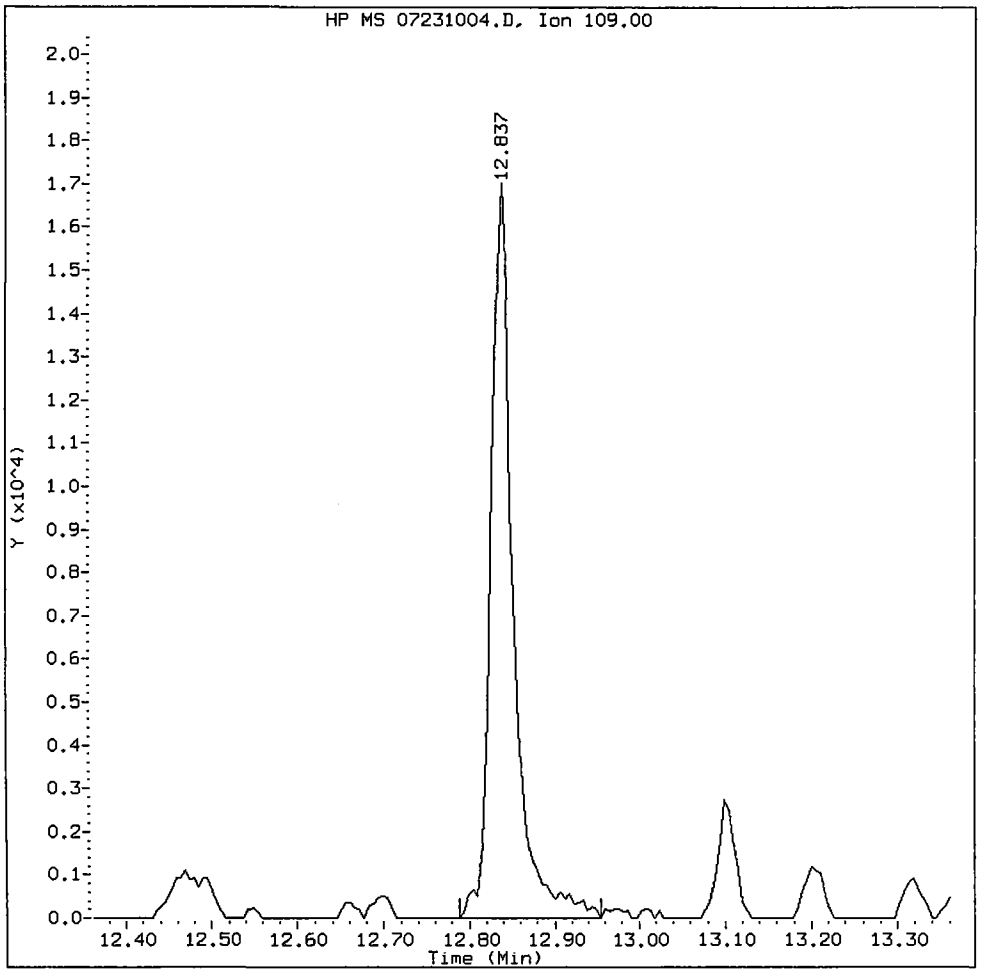


JR 07/26/10

RG94 : 00712

IC100723, /chem1/nt6.i/20100723.b/07231004.D

4-Nitrophenol Amount: 11.01 Area: 31555



MANUAL INTEGRATION for 4-Nitrophenol

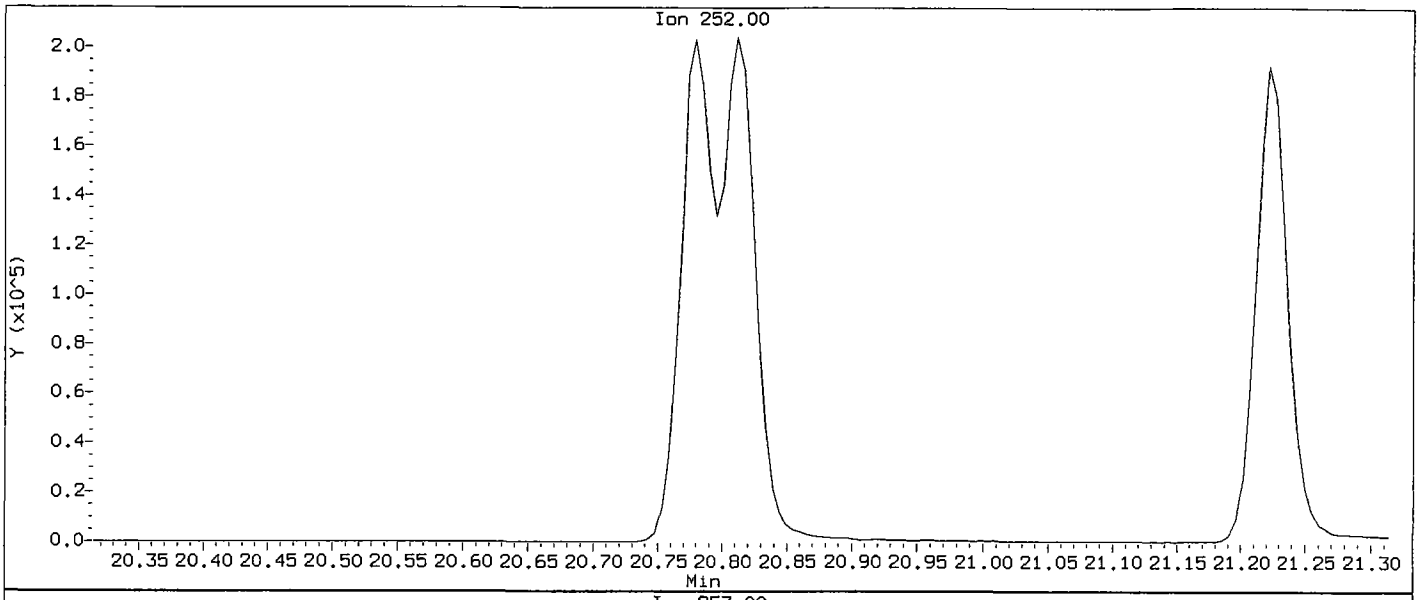
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

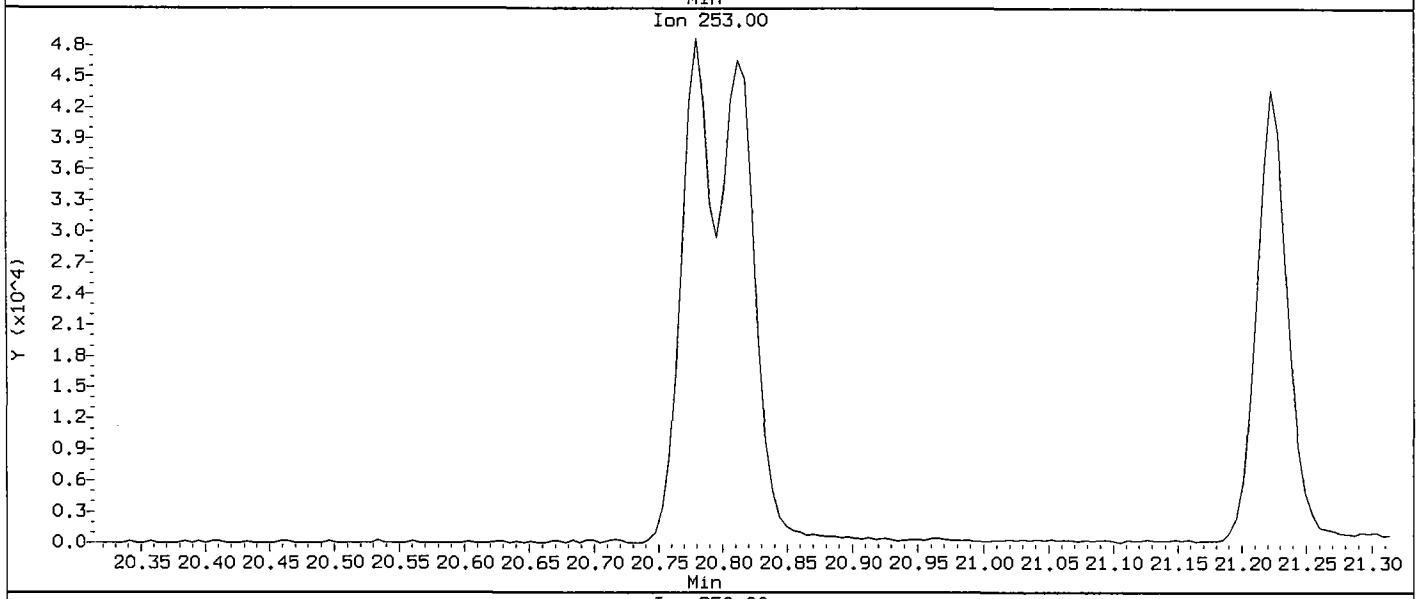
5. Other _____

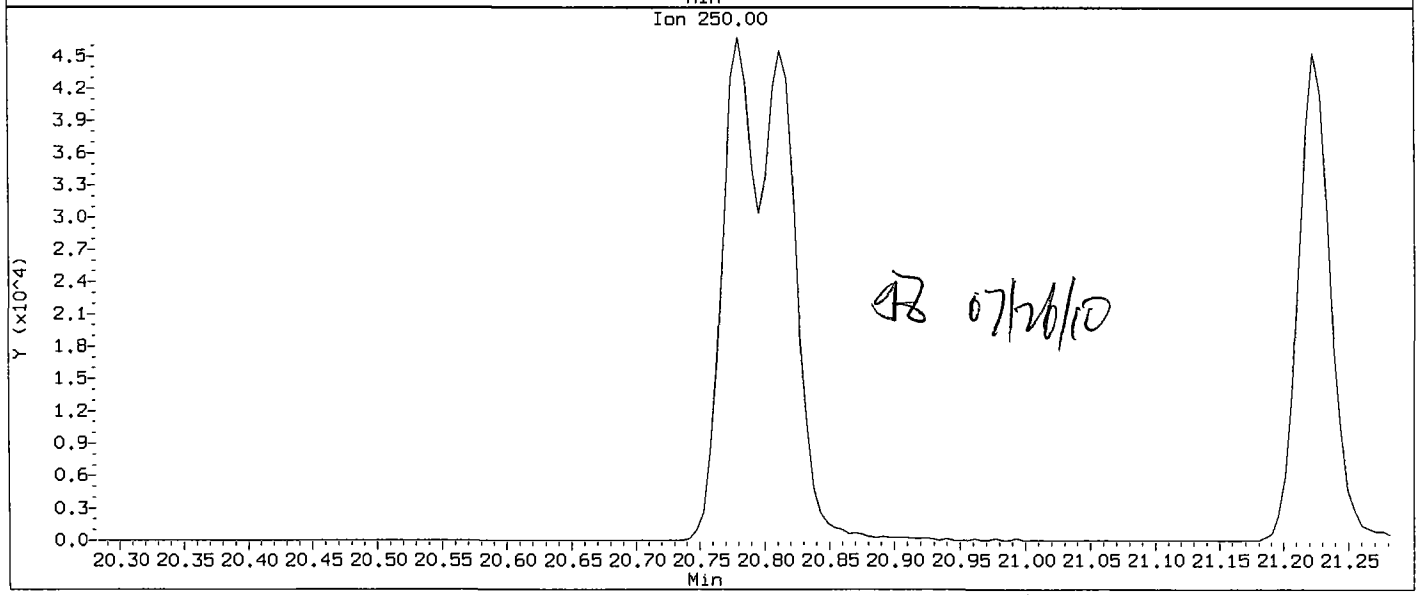
Analyst: AZ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

Compound: Total Benzofluoranthenes
CAS Number:



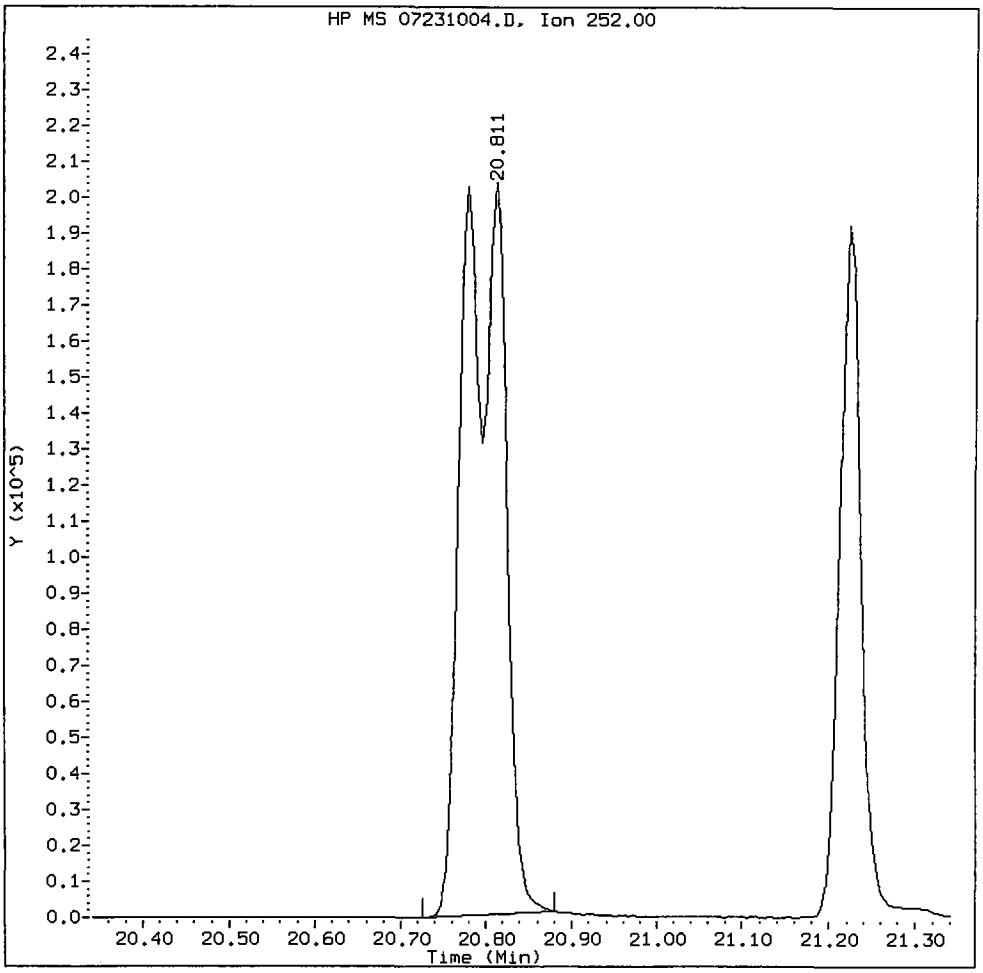




RB 07/26/10

IC100723, /chem1/nt6.i/20100723.b/07231004.D

Total Benzofluoranthenes Amount: 19.27 Area: 687719



MANUAL INTEGRATION for Total Benzofluoranthenes

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AB Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231001.D
Lab Smp Id: IC250723 Client Smp ID: IC250723
Inj Date : 23-JUL-2010 15:01
Operator : JZ Inst ID: nt6.i
Smp Info : IC250723
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:01 Cal File: 07231001.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

R 07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.605	5.610	(0.738)	311522	25.0000	25.40
$	2 Phenol-d5	99	7.207	7.218	(0.949)	348471	25.0000	23.96
	3 Phenol	94	7.229	7.237	(0.952)	387771	25.0000	23.32
$	5 2-Chlorophenol-d4	132	7.293	7.303	(0.961)	290409	25.0000	23.56
	4 Bis(2-Chloroethyl)ether	93	7.282	7.290	(0.959)	299463	25.0000	23.87
	6 2-Chlorophenol	128	7.320	7.327	(0.964)	336281	25.0000	23.53
	7 1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	393980	25.0000	23.83
*	8 1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	182786	20.0000	
	9 1,4-Dichlorobenzene	146	7.619	7.621	(1.004)	390510	25.0000	24.30
$	10 1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	204344	25.0000	24.24
	12 1,2-Dichlorobenzene	146	7.912	7.915	(1.042)	353813	25.0000	23.33
	11 Benzyl alcohol	108	7.896	7.910	(1.040)	189620	25.0000	25.49
	14 2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	319647	25.0000	23.81
	13 2-Methylphenol	108	8.158	8.166	(1.075)	293058	25.0000	23.92
	17 Hexachloroethane	117	8.398	8.406	(1.106)	141205	25.0000	24.06
	16 N-Nitroso-di-n-propylamine	70	8.377	8.390	(1.103)	203786	25.0000	24.13
	15 4-Methylphenol	108	8.393	8.406	(1.106)	289738	25.0000	23.64
$	18 Nitrobenzene-d5	82	8.537	8.542	(0.885)	285365	25.0000	24.63
	19 Nitrobenzene	77	8.564	8.572	(0.888)	315680	25.0000	23.63
	20 Isophorone	82	8.949	8.967	(0.928)	506209	25.0000	24.33
	21 2-Nitrophenol	139	9.082	9.090	(0.942)	191103	25.0000	25.69
	22 2,4-Dimethylphenol	107	9.226	9.234	(0.957)	306864	25.0000	23.89
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	350199	25.0000	24.19
	24 Benzoic acid	105	9.477	9.603	(0.983)	467782	50.0000	56.57
	25 2,4-Dichlorophenol	162	9.477	9.485	(0.983)	267155	25.0000	24.30
	26 1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	295139	25.0000	24.14
*	27 Naphthalene-d8	136	9.643	9.651	(1.000)	584137	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.675	9.683	(1.003)	839339	25.0000	23.33
	29 4-Chloroaniline	127	9.835	9.843	(1.020)	335598	25.0000	23.71
	30 Hexachlorobutadiene	225	10.006	10.009	(1.038)	170886	25.0000	24.60
	31 4-Chloro-3-methylphenol	107	10.674	10.682	(1.107)	261511	25.0000	24.70
	32 2-Methylnaphthalene	141	10.797	10.805	(1.120)	450667	25.0000	23.30
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	160807	25.0000	31.84
	34 2,4,6-Trichlorophenol	196	11.325	11.333	(0.906)	191794	25.0000	26.01
	35 2,4,5-Trichlorophenol	196	11.384	11.392	(0.911)	194635	25.0000	25.59
$	36 2-Fluorobiphenyl	172	11.454	11.453	(0.916)	548947	25.0000	23.28
	37 2-Chloronaphthalene	162	11.571	11.579	(0.926)	539169	25.0000	23.49
	38 2-Nitroaniline	65	11.822	11.835	(0.946)	135253	25.0000	25.49
	39 Dimethylphthalate	163	12.207	12.220	(0.976)	613460	25.0000	24.53
	40 Acenaphthylene	152	12.244	12.252	(0.979)	848116	25.0000	23.59
	41 2,6-Dinitrotoluene	165	12.292	12.305	(0.983)	145587	25.0000	25.95
*	42 Acenaphthene-d10	164	12.500	12.503	(1.000)	320442	20.0000	
	43 3-Nitroaniline	138	12.500	12.519	(1.000)	135304	25.0000	24.87
	44 Acenaphthene	153	12.548	12.562	(1.004)	522996	25.0000	24.07
	45 2,4-Dinitrophenol	184	12.666	12.690	(1.013)	212676	50.0000	62.71
	46 Dibenzofuran	168	12.810	12.823	(1.025)	687180	25.0000	23.66
	47 4-Nitrophenol	109	12.842	12.861	(1.027)	78303	25.0000	26.89 (M)
	48 2,4-Dinitrotoluene	165	12.917	12.930	(1.033)	189836	25.0000	26.50
	50 Diethylphthalate	149	13.360	13.368	(1.069)	543562	25.0000	22.91
	49 Fluorene	166	13.366	13.379	(1.069)	586873	25.0000	23.44
	51 4-Chlorophenyl-phenylether	204	13.403	13.411	(1.072)	290075	25.0000	24.62
	52 4-Nitroaniline	138	13.494	13.523	(1.079)	138704	25.0000	25.24
	53 4,6-Dinitro-2-methylphenol	198	13.563	13.593	(0.913)	260085	50.0000	54.00
	54 N-Nitrosodiphenylamine	169	13.611	13.630	(0.916)	432780	25.0000	23.82
$	55 2,4,6-Tribromophenol	330	13.793	13.798	(1.103)	76705	25.0000	27.21
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	188502	25.0000	25.20
	57 Hexachlorobenzene	284	14.386	14.399	(0.968)	196721	25.0000	24.67
	58 Pentachlorophenol	266	14.696	14.704	(0.989)	127003	25.0000	30.64
*	59 Phenanthrene-d10	188	14.861	14.869	(1.000)	503793	20.0000	
	60 Phenanthrene	178	14.899	14.912	(1.002)	790845	25.0000	23.48
	61 Anthracene	178	14.973	14.987	(1.008)	833467	25.0000	23.88
	62 Carbazole	167	15.267	15.280	(1.027)	756153	25.0000	23.31
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	971559	25.0000	24.58
	64 Fluoranthene	202	16.827	16.835	(1.132)	886233	25.0000	24.30
	65 Pyrene	202	17.179	17.187	(0.897)	864054	25.0000	25.28
$	66 Terphenyl-d14	244	17.510	17.515	(0.914)	505765	25.0000	26.26
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	435577	25.0000	28.04
	68 Benzo(a)anthracene	228	19.134	19.147	(0.999)	837394	25.0000	26.09
*	69 Chrysene-d12	240	19.161	19.169	(1.000)	532343	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	267484	25.0000	25.65
	71 Chrysene	228	19.198	19.217	(1.002)	772165	25.0000	25.54
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	593672	25.0000	25.50
*	134 Di-n-octylphthalate-d4	153	20.346	20.354	(1.000)	719428	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	983658	25.0000	23.55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.784	20.803	(0.975)	881261	25.0000	24.38
75	Benzo(k)fluoranthene	252	20.816	20.840	(0.977)	927133	25.0000	23.20
187	Total Benzofluoranthenes	252	20.816	20.840	(0.977)	1705649	50.0000	47.25
76	Benzo(a)pyrene	252	21.228	21.246	(0.996)	829054	25.0000	24.06
* 77	Perylene-d12	264	21.308	21.316	(1.000)	517269	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.697	22.720	(1.065)	1104393	25.0000	24.30
79	Dibenzo(a,h)anthracene	278	22.723	22.747	(1.066)	862084	25.0000	24.62
80	Benzo(g,h,i)perylene	276	23.054	23.089	(1.082)	992366	25.0000	24.07
90	N-Nitrosodimethylamine	74	2.721	2.750	(0.358)	200935	25.0000	25.15
103	Pyridine	79	2.689	2.702	(0.354)	370004	25.0000	26.58
91	Aniline	93	7.154	7.157	(0.942)	455640	25.0000	24.46
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	469146	25.0000	23.55
93	Benzidine	184	17.099	17.107	(0.892)	265510	25.0000	23.42
111	Azobenzene (1,2-DP-Hydrazine)	77	13.654	13.667	(1.092)	570301	25.0000	24.01
143	1,4-Dioxane	88	2.149	2.168	(0.283)	130956	25.0000	24.94
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.277)	132537	25.0000	25.86
144	alpha-Terpineol	59	9.718	9.731	(1.008)	173991	25.0000	24.39
98	Retene	219	17.751	17.759	(0.926)	297518	25.0000	27.01
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	448163	25.0000	23.16
115	Tributyl Phosphate	99	13.734	13.763	(0.924)	674856	25.0000	23.95
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	473853	25.0000	25.33
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	155996	25.0000	26.75
118	Triphenyl Phosphate	326	18.723	18.731	(0.977)	156116	25.0000	27.93
123	Acetophenone	105	8.302	8.316	(1.094)	397677	25.0000	24.54
179	n-Decane	57	7.448	7.450	(0.981)	257349	25.0000	23.78
180	n-Octadecane	57	14.829	14.832	(0.998)	250246	25.0000	23.02
168	Pentachlorobenzene	250	12.853	12.866	(1.028)	219604	25.0000	24.46
113	Diphenyl Oxide	170	11.779	11.782	(0.942)	516503	25.0000	23.40
112	Biphenyl	154	11.582	11.590	(0.926)	598381	25.0000	23.73
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.048)	172859	25.0000	26.74
151	1,2,4,5-Tetrachlorobenzene	216	11.138	11.141	(0.891)	281398	25.0000	23.73
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	202210	50.0000	51.38
109	3,4,5-Trichloroguaiacol	213	13.205	13.219	(0.889)	100748	25.0000	25.48
181	3,4,6-Trichloroguaiacol	211	13.323	13.331	(1.755)	121741	25.0000	26.57
108	4,5,6-Trichloroguaiacol	213	14.242	14.250	(1.139)	102033	25.0000	26.01
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	106034	25.0000	26.14
107	4,5-Dichloroguaiacol	192	12.463	12.476	(0.997)	258682	50.0000	51.08
182	4,6-Dichloroguaiacol	192	12.463	12.476	(1.642)	258682	50.0000	51.40
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	67852	12.5000	13.18
186	Carbaryl	144	15.689	15.702	(1.056)	378522	25.0000	27.05
106	Guaiacol	124	8.575	8.588	(1.129)	270369	25.0000	23.80

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231001.D
Lab Smp Id: IC250723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC250723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	182786	0.00
27 Naphthalene-d8	584137	292068	1168274	584137	0.00
42 Acenaphthene-d10	320442	160221	640884	320442	0.00
59 Phenanthrene-d10	503793	251896	1007586	503793	0.00
69 Chrysene-d12	532343	266172	1064686	532343	0.00
134 Di-n-octylphthala	719428	359714	1438856	719428	0.00
77 Perylene-d12	517269	258634	1034538	517269	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	0.00
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.