SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/18/11
Date Received: 04/19/11

Client ID: LL-SB5-2-4-041811
ARI ID: 11-8659 SS71F

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	82.20
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	4.75

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB4-0-0.5-041911
ARI ID: 11-8660 SS71G

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	84.20
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	6.13

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB4-1.5-2-041911
ARI ID: 11-8661 SS71H

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	89.10
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	0.547

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB4-2-4-041911
ARI ID: 11-8662 SS71I

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	85.80
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	0.248

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB3-0-0.5-041911
ARI ID: 11-8663 SS71J

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	84.90
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	2.61

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB3-1.5-2-041911
ARI ID: 11-8664 SS71K

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	89.50
Total Organic Carbon	04/25/11 042511#1	Plumb,1981	Percent	0.020	0.737

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB3-2-4-041911
ARI ID: 11-8665 SS71L

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	87.90
Total Organic Carbon	04/27/11 042711#1	Plumb,1981	Percent	0.020	1.04

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB2-0-0.5-041911
ARI ID: 11-8666 SS71M

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	88.10
Total Organic Carbon	04/27/11 042711#1	Plumb,1981	Percent	0.020	1.60

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB2-1.5-2-041911
ARI ID: 11-8667 SS71N

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	91.00
Total Organic Carbon	04/27/11 042711#1	Plumb,1981	Percent	0.020	0.080

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB2-2-3.5-041911
ARI ID: 11-8668 SS710

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	90.10
Total Organic Carbon	04/27/11 042711#1	Plumb,1981	Percent	0.020	0.072

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB1-0-0.5-041911
ARI ID: 11-8669 SS71P

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	92.80
Total Organic Carbon	04/28/11 042811#1	Plumb,1981	Percent	0.020	0.714

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB1-0-0.5-041911-D
ARI ID: 11-8670 SS71Q

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	92.90
Total Organic Carbon	04/28/11 042811#1	Plumb,1981	Percent	0.020	0.654

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB1-1.5-2-041911
ARI ID: 11-8671 SS71R

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	91.60
Total Organic Carbon	04/28/11 042811#1	Plumb,1981	Percent	0.020	0.666

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Client ID: LL-SB1-2-4-041911
ARI ID: 11-8672 SS71S

Analyte	Date	Method	Units	RL	Sample
Total Solids	04/20/11 042011#1	EPA 160.3	Percent	0.01	90.00
Total Organic Carbon	04/28/11 042811#1	Plumb,1981	Percent	0.020	1.03

RL Analytical reporting limit
U Undetected at reported detection limit

MS/MSD RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: SS71I Client ID: LL-SB4-2-4-041911						
Total Organic Carbon	04/25/11	Percent	0.248	0.834	0.620	94.5%

REPLICATE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: 04/19/11
Date Received: 04/19/11

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: SS71I Client ID: LL-SB4-2-4-041911					
Total Solids	04/20/11	Percent	85.80	85.70 86.10	0.2%
Total Organic Carbon	04/25/11	Percent	0.248	0.244 0.261	3.5%

LAB CONTROL RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	ICVL	04/25/11	Percent	0.093	0.100	93.0%
Plumb,1981	ICVL	04/27/11		0.097	0.100	97.0%
	ICVL	04/28/11		0.091	0.100	91.0%

METHOD BLANK RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	04/20/11	Percent	< 0.01 U
Total Organic Carbon	04/25/11	Percent	< 0.020 U
	04/27/11		< 0.020 U
	04/28/11		< 0.020 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
SS71-Floyd Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 05/04/11

Project: Lora Lake Parcel
Event: POS-LL
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon	04/25/11	Percent	2.75	2.99	92.0%
NIST 1941B	04/27/11		2.54	2.99	84.9%
	04/28/11		2.89	2.99	96.7%

Total Solids

ARI Job ID: SS71

Volatiles Total Solids-voats
Data By: Pat Basilio
Created: 4/25/11

Worklist: 8407
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.	SS71A 11-8654			*	82.40
2.	SS71B 11-8655			*	87.80
3.	SS71C 11-8656			*	89.00
4.	SS71D 11-8657			*	71.30
5.	SS71E 11-8658			*	87.20
6.	SS71F 11-8659			*	81.30
7.	SS71G 11-8660			*	82.70
8.	SS71H 11-8661			*	88.60
9.	SS71I 11-8662			*	86.10
10.	SS71J 11-8663			*	86.70
11.	SS71K 11-8664			*	89.70
12.	SS71L 11-8665			*	88.90
13.	SS71M 11-8666			*	87.20
14.	SS71N 11-8667			*	91.60
15.	SS71O 11-8668			*	90.00
16.	SS71P 11-8669			*	92.40
17.	SS71Q 11-8670			*	92.90

* - VOA TS Copied From BETX TS
% - VOA TS Copied From Metals TS
$ - VOA TS Copied From Extraction TS

Volatiles Total Solids-voats
Data By: Pat Basilio
Created: 4/25/11

Worklist: 8407
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
18. SS71R 11-8671	_____	_____	*	91.70
19. SS71S 11-8672	_____	_____	*	90.90

* - VOA TS Copied From BETX TS
% - VOA TS Copied From Metals TS
$ - VOA TS Copied From Extraction TS

Extractions Total Solids-extts
Data By: Yen Luu
Created: 4/21/11

Worklist: 7335
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.	SS71A 11-8654 LL-SB6-0-0.5-041811	1.17	12.68	10.66	82.4	NR
2.	SS71B 11-8655 LL-SB6-1.5-2-041811	1.17	12.24	10.89	87.8	NR
3.	SS71C 11-8656 LL-SB6-2-4-041811	1.18	12.46	11.22	89.0	NR
4.	SS71D 11-8657 LL-SB5-0-0.5-041811	1.18	12.09	8.96	71.3	NR
5.	SS71E 11-8658 LL-SB5-1.5-2-041811	1.18	12.50	11.05	87.2	NR
6.	SS71F 11-8659 LL-SB5-2-4-041811	1.18	12.97	10.77	81.3	NR
7.	SS71G 11-8660 LL-SB4-0-0.5-041911	1.17	11.96	10.09	82.7	NR
8.	SS71H 11-8661 LL-SB4-1.5-2-041911	1.18	12.94	11.60	88.6	NR
9.	SS71I 11-8662 LL-SB4-2-4-041911	1.17	12.32	10.77	86.1	NR
10.	SS71J 11-8663 LL-SB3-0-0.5-041911	1.17	12.64	11.12	86.7	NR
11.	SS71K 11-8664 LL-SB3-1.5-2-041911	1.18	12.32	11.17	89.7	NR
12.	SS71L 11-8665 LL-SB3-2-4-041911	1.18	12.73	11.45	88.9	NR
13.	SS71M 11-8666 LL-SB2-0-0.5-041911	1.18	12.70	11.22	87.2	NR

Extractions Total Solids-extts
Data By: Yen Luu
Created: 4/21/11

Worklist: 7335
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
14.	SS71N 11-8667 LL-SB2-1.5-2-041911	1.17	12.30	11.37	91.6	NR
15.	SS71O 11-8668 LL-SB2-2-3.5-041911	1.17	12.50	11.37	90.0	NR
16.	SS71P 11-8669 LL-SB1-0-0.5-041911	1.17	12.82	11.93	92.4	NR
17.	SS71Q 11-8670 LL-SB1-0-0.5-041911-D	1.17	13.21	12.36	92.9	NR
18.	SS71R 11-8671 LL-SB1-1.5-2-041911	1.16	12.82	11.85	91.7	NR
19.	SS71S 11-8672 LL-SB1-2-4-041911	1.17	12.71	11.66	90.9	NR

Extractions Total Solids-extts
Data By: Yen Luu
Created: 4/21/11

Worklist: 7335
Analyst: YL
Comments:

Oven ID: Ø15

Balance ID: 2175452Ø

Samples In: Date: 4/21/11 Time: 18:35 Temp: 163 Analyst: YL

Samples Out: Date: 4/22/11 Time: 06:35 Temp: 101Ø Analyst: RF

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	SS71A 11-8654 LL-SB6-0-0.5-041811	1.17	12.68	1Ø.6Ø6		NR
2.	SS71B 11-8655 LL-SB6-1.5-2-041811	1.17	12.24	1Ø.89		NR
3.	SS71C 11-8656 LL-SB6-2-4-041811	1.18	12.46	11.22		NR
4.	SS71D 11-8657 LL-SB5-0-0.5-041811	1.18	12.Ø9	8.96		NR
5.	SS71E 11-8658 LL-SB5-1.5-2-041811	1.18	12.5Ø	11.Ø5		NR
6.	SS71F 11-8659 LL-SB5-2-4-041811	1.18	12.97	RF 4/22/11 1Ø.7Ø 77		NR
7.	SS71G 11-8660 LL-SB4-0-0.5-041911	1.17	11.96	1Ø.Ø9		NR
8.	SS71H 11-8661 LL-SB4-1.5-2-041911	1.18	12.94	11.6Ø		NR
9.	SS71I 11-8662 LL-SB4-2-4-041911	1.17	12.32	1Ø.77		NR
10.	SS71J 11-8663 LL-SB3-0-0.5-041911	1.17	12.64	11.12		NR
11.	SS71K 11-8664 LL-SB3-1.5-2-041911	1.18	12.32	11.17		NR
12.	SS71L 11-8665 LL-SB3-2-4-041911	1.18	12.73	11.45		NR
13.	SS71M 11-8666 LL-SB2-0-0.5-041911	1.18	12.7Ø	11.22		NR

Extractions Total Solids-extts
Data By: Yen Luu
Created: 4/21/11

Worklist: 7335
Analyst: YL
Comments:

Oven ID: ϕ15

Balance ID: 2175452ϕ

Samples In: Date: 4/21/11 Time: 18:35 Temp: 1ϕ3 Analyst: YL

Samples Out: Date: 4/22/11 Time: ϕ6:35 Temp: 1ϕ1° Analyst: RR

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
14.	SS71N 11-8667 LL-SB2-1.5-2-041911	1.17	12.3ϕ	11.37		NR
15.	SS71O 11-8668 LL-SB2-2-3.5-041911	1.17	12.5ϕ	11.37		NR
16.	SS71P 11-8669 LL-SB1-0-0.5-041911	1.17	12.82	11.93		NR
17.	SS71Q 11-8670 LL-SB1-0-0.5-041911-D	1.17	13.21	12.36		NR
18.	SS71R 11-8671 LL-SB1-1.5-2-041911	1.16	12.82	11.85		NR
19.	SS71S 11-8672 LL-SB1-2-4-041911	1.17	12.71	11.66		NR

BETX/TPHG Total Solids-betxts
Data By: Monica Herbert
Created: 4/25/11

Worklist: 8003
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. SS71A 11-8654				$ 82.4
2. SS71B 11-8655				$ 87.8
3. SS71C 11-8656				$ 89.0
4. SS71D 11-8657				$ 71.3
5. SS71E 11-8658				$ 87.2
6. SS71F 11-8659				$ 81.3
7. SS71G 11-8660				$ 82.7
8. SS71H 11-8661				$ 88.6
9. SS71I 11-8662				$ 86.1
10. SS71J 11-8663				$ 86.7
11. SS71K 11-8664				$ 89.7
12. SS71L 11-8665				$ 88.9
13. SS71M 11-8666				$ 87.2
14. SS71N 11-8667				$ 91.6
15. SS71O 11-8668				$ 90.0
16. SS71P 11-8669				$ 92.4
17. SS71Q 11-8670				$ 92.9

* - BETX TS Copied From VOA TS
% - BETX TS Copied From Metals TS
$ - BETX TS Copied From Extraction TS

BETX/TPHG Total Solids-betxts
Data By: Monica Herbert
Created: 4/25/11

Worklist: 8003
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
18. SS71R 11-8671	_____	_____		$ 91.7
19. SS71S 11-8672	_____	_____		$ 90.9

* - BETX TS Copied From VOA TS
% - BETX TS Copied From Metals TS
$ - BETX TS Copied From Extraction TS

Solids Data Entry Report Checked by: KM Date: 4/22/11
Date: 04/22/11 Data Analyst: DM

Solids Determination performed on 04/21/11 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
SS71	A	LL-SB6-0-0.5-041811	0.968	10.482	8.859	82.94
SS71	B	LL-SB6-1.5-2-041811	1.000	10.318	9.282	88.88
SS71	C	LL-SB6-2-4-041811	0.997	10.342	9.237	88.18
SS71	D	LL-SB5-0-0.5-041811	1.010	10.569	7.993	73.05
SS71	E	LL-SB5-1.5-2-041811	1.006	10.940	9.585	86.36
SS71	F	LL-SB5-2-4-041811	0.965	10.591	8.836	81.77
SS71	G	LL-SB4-0-0.5-041911	0.988	10.480	8.611	80.31
SS71	H	LL-SB4-1.5-2-041911	0.982	10.532	9.479	88.97
SS71	I	LL-SB4-2-4-041911	0.999	10.510	9.139	85.59
SS71	J	LL-SB3-0-0.5-041911	0.968	10.735	9.290	85.21
SS71	K	LL-SB3-1.5-2-041911	0.973	10.196	9.212	89.33
SS71	L	LL-SB3-2-4-041911	1.006	10.923	9.742	88.09
SS71	M	LL-SB2-0-0.5-041911	0.970	10.744	9.506	87.33
SS71	N	LL-SB2-1.5-2-041911	1.021	10.671	9.797	90.94
SS71	O	LL-SB2-2-3.5-041911	0.988	10.454	9.484	89.75
SS71	P	LL-SB1-0-0.5-041911	0.983	10.120	9.445	92.61
SS71	Q	LL-SB1-0-0.5-041911	0.951	10.068	9.387	92.53
SS71	R	LL-SB1-1.5-2-041911	0.999	10.716	9.850	91.09
SS71	S	LL-SB1-2-4-041911	0.967	10.396	9.446	89.92

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Total Solids Bench Sheet

Laboratory Section: Metals

Oven Identification: 07 Balance ID: 068755

Samples in Oven: Date: 4-21-11 Time: 0750 Temp: 103°C Analyst: DM

Removed from Oven: Date: 4-22-11 Time: 0540 Temp: 100°C Analyst: DM

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]
SS71 A	0.968	10.482	8.859	—	✓
" B	1.000	10.318	9.282	—	✓
" C	0.997	10.342	9.237	—	✓
" D	1.010	10.569	7.993	—	✓
" E	1.006	10.940	9.585	—	✓
" F	0.965	10.591	8.836	—	✓
" G	0.988	10.480	8.611	—	✓
" H	0.982	10.532	9.479	—	✓
" I	0.999	10.510	9.139	—	✓
" J	0.968	10.736	9.290	—	✓
" K	0.973	10.196	9.212	—	✓
" L	1.006	10.923	9.742	—	✓
" M	0.970	10.744	9.506	—	✓
" N	1.021	10.671	9.797	—	✓
" O	0.988	10.454	9.484	—	✓
" P	0.983	10.120	9.445	—	✓
" Q	0.951	10.068	9.387	—	✓
" R	0.999	10.716	9.850	—	✓
" S	0.967	10.396	9.446	—	✓
		4-21-11 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: SS71

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.: SS71 | Client ID/Project: | Extraction Date: 1st Extraction: / 2nd Extraction: | MeOH Lot No.: | Analyst: JB

	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	SS71 A	2	—		36.63	31.842	4.788			
2	B	1	—		37.22	32.019	5.201			
3	C	3	—		36.90	31.937	4.963			
4	D	1	—		36.84	31.992	4.832			
5	E	2	—		37.38	31.970	5.410			
6	F	2	—		37.42	31.760	5.660			
7	G	1	—		36.95	31.897	5.053			
8	H	3	—		37.56	31.907	5.653			
9	I	9	—		38.13	31.856	6.274			
10	J	1	—		38.18	31.891	6.289			
11	K	1	—		37.30	31.950	5.350			
12	L	3	—		38.32	31.937	6.383			
13	M	2	—		37.70	31.727	5.973			
14	N	2	—		38.33	31.993	6.337			
15	O	1	—		37.94	32.018	5.922			
16	P	1	—		37.24	31.986	5.254			
17	Q	2	—		36.90	32.084	4.816			
18	R	1	—		37.49	31.894	5.596			
19	S	2	—		37.44	31.914	5.526			
20	Eq Blk	8	—		37.30	31.874	5.426			
	Balance ID:									
	Int Std 5		—		37.50	32.050	5.450			
			Solution ID		Concentration		Amount Spiked	Analyst		Witness
	Surrogate:									
	Spike:									

SS71LSS

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.: 5571 | Client ID/Project: | Extraction Date: 1st Extraction: / 2nd Extraction: | MeOH Lot No.: | Analyst: VP

	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	5571 S2	1	-		32.61	31.876	5.734			
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
	Balance ID:									

	Solution ID	Concentration	Amount Spiked	Analyst	Witness
Surrogate:					
Spike:					

5571 : 11SS

Volatile Raw Data
Initial Calibration Notes and Raw Data

ARI Job ID: SS71

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: 3/9/14 Analysis Start Date: 3/9/14

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):

all analytes averaged

ICV - carbon disulfide 72%R
VA 74%R

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 3/10/14

Reviewer: _____ **Date:** 3/16/14

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 3/9/11 Analysis: 8xwc Analyst: JP

GC Program: F5 Column No: 871729 Column Type: MX502-2

Instrument Tune (.U or .CT.): BFB0309 EM Voltage: 1500

Calibration File: 2000309 Curve Date: 2/18/11

IS/SS	Ical/Ccal	LCS/ICV
W671-2	W679-2 W677-2	W679 W677-2 JP 3/10/11

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/09MAR11.b

	Time	Filename	LabID	ClientID	WT					
1	1159	BFB0309.d	BFB0309	BFB0309	0.00					
2	1310	0010309.d	IC0309	VSTD1	5.00 | 6.43	86225|| 7.44	136001||10.58	125679||13.26	63952|	
3	1353	2000309.d	IC0309	VSTD200	5.00 | 6.44	101537|| 7.46	172637||10 59	176599||13.28	93645|	
4	1427	1500309.d	IC0309	VSTD150	5.00 | 6.45	98723|| 7.46	156465||10.60	146811||13.28	76483|	
5	1455	1000309.d	IC0309	VSTD100	5.00 | 6.43	99481|| 7 44	160423||10.58	157496||13.26	85432|	
6	1522	0500309.d	IC0309	VSTD50	5.00 | 6.44	91022|| 7.45	153104||10.59	143720||13.28	77398|	
7	1550	0100309.d	IC0309	VSTD10	5.00 | 6.45	96215|| 7.46	152421||10.60	150937||13.28	82958|	
8	1618	0050309.d	IC0309	VSTD5	5.00 | 6.44	88818|| 7 45	146219||10.58	137327||13.27	75310|	
9	1651	0020309.d	IC0309	VSTD2	5.00 | 6.44	87996|| 7.45	142924||10 59	133027||13.28	72018|	
10	1736	ICV0309.d	ICV0309	ICV0309	5.00 | 6.45	90677|| 7.46	141416||10.59	135731||13.28	74813|	

JP 3/10/11

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.

Data File: /chem1/finn5.i/09MAR11.b/BFB0309.d

Date : 09-MAR-2011 11:59

Client ID: BFB0309

Instrument: finn5.i

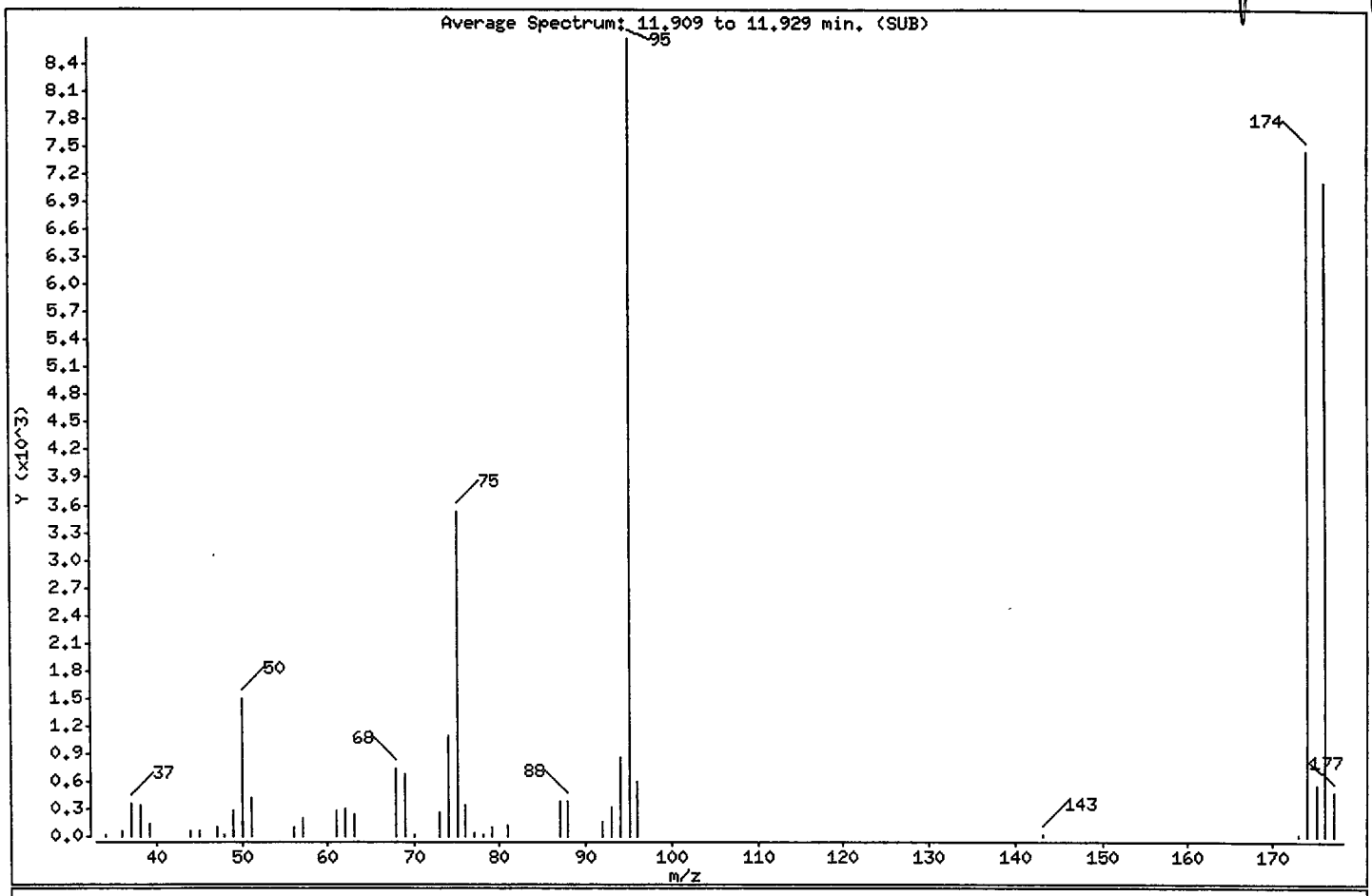
Sample Info: BFB0309,BFB0309,,1,09MAR11,,

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	17.16
75	30.00 - 66.00% of mass 95	40.66
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.24 (0.28)
174	50.00 - 101.00% of mass 95	85.99
175	4.00 - 9.00% of mass 174	6.41 (7.45)
176	93.00 - 101.00% of mass 174	82.17 (95.56)
177	5.00 - 9.00% of mass 176	5.44 (6.62)

Data File: /chem1/finn5.i/09MAR11.b/BFB0309.d

Date : 09-MAR-2011 11:59

Client ID: BFB0309

Instrument: finn5.i

Sample Info: BFB0309,BFB0309,,1,09MAR11,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB0309.d
Spectrum: Average Spectrum: 11.909 to 11.929 min. (SUB)
Location of Maximum: 95.00
Number of points: 41

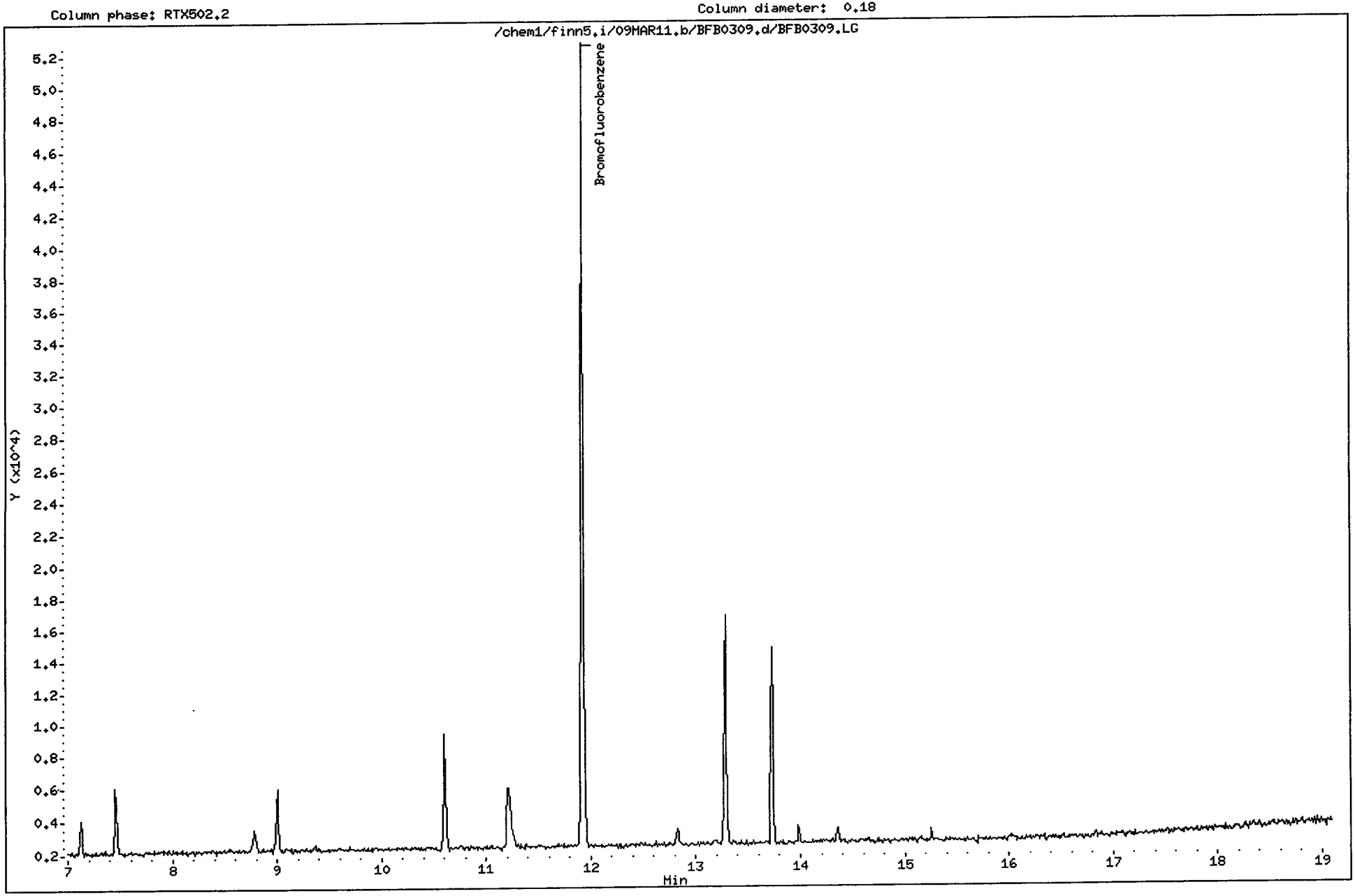
m/z	Y	m/z	Y	m/z	Y	m/z	Y
34.00	16	51.00	417	75.00	3528	95.00	8677
36.00	66	56.00	92	76.00	336	96.00	596
37.00	362	57.00	192	77.00	43	143.00	17
38.00	349	61.00	277	78.00	24	173.00	21
39.00	131	62.00	296	79.00	106	174.00	7461
44.00	68	63.00	245	81.00	127	175.00	556
45.00	60	68.00	733	87.00	370	176.00	7130
47.00	99	69.00	671	88.00	383	177.00	472
48.00	18	70.00	23	92.00	161		
49.00	283	73.00	260	93.00	318		
50.00	1489	74.00	1102	94.00	867		

Data File: /chem1/finn5.i/09MAR11.b/BFB0309.d
Date : 09-MAR-2011 11:59
Client ID: BFB0309
Sample Info: BFB0309,BFB0309,,1,09MAR11,,

Column phase: RTX502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 patrickb
Curve Type : Average

Calibration File Names:
Level 1: /chem1/finn5.i/09MAR11.b/0010309.d
Level 2: /chem1/finn5.i/09MAR11.b/0020309.d
Level 3: /chem1/finn5.i/09MAR11.b/0050309.d
Level 4: /chem1/finn5.i/09MAR11.b/0100309.d
Level 5: /chem1/finn5.i/09MAR11.b/0500309.d
Level 6: /chem1/finn5.i/09MAR11.b/1000309.d
Level 7: /chem1/finn5.i/09MAR11.b/1500309.d
Level 8: /chem1/finn5.i/09MAR11.b/2000309.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	0.53523	0.47587	0.52782	0.49078	0.54400	0.51207			
	0.51704	0.45294					0.50697	6.184	
2 Chloromethane	1.17135	1.00630	0.91918	0.81967	0.82465	0.79949			
	0.83413	0.69983					0.88433	16.552	
3 Vinyl Chloride	1.35286	1.37336	1.20955	1.05368	1.15114	0.97031			
	0.91453	0.78096					1.10080	19.068	
4 Bromomethane	0.41867	0.39036	0.30140	0.33207	0.36243	0.42781			
	0.45127	0.37029					0.38179	13.215	
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
5 Chloroethane	0.77414	0.67418	0.93303	0.86936	0.68851	0.67114			
	0.66764	0.58826					0.73328	15.869	

SS71 : 00352

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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
6 Trichlorofluoromethane	1.03044	1.04635	1.04956	1.02598	0.98525	0.95904	0.99422	0.89131	0.99777	5.345
7 Acrolein	+++++	0.17342	0.16666	0.15958	0.15736	0.14903	0.14691	0.12545	0.15406	10.158
8 112Trichloro122Trifluoroethan	0.77066	0.87191	0.87190	0.82066	0.77893	0.75244	0.78017	0.70662	0.79416	7.245
9 Acetone	0.28020	0.28115	0.25997	0.23233	0.21633	0.20055	0.19373	0.16073	0.22812	19.020
10 1,1-Dichloroethene	0.49058	0.58582	0.57984	0.58577	0.54186	0.54607	0.56964	0.52150	0.55263	6.196
11 Bromoethane	0.41461	0.43553	0.46184	0.43205	0.44957	0.43821	0.43972	0.40094	0.43406	4.391
12 Iodomethane	0.56886	0.56537	0.56475	0.44775	0.57467	0.52082	0.48638	0.40322	0.51648	12.532
13 Methylene Chloride	+++++	0.71253	0.70369	0.68201	0.65543	0.63904	0.64777	0.58191	0.66034	6.733
14 Acrylonitrile	+++++	0.25314	0.27067	0.27132	0.25741	0.25012	0.25492	0.22346	0.25443	6.292

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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							
16 Methyl tert-Butyl Ether	2.40070	3.02741	3.02056	2.96612	2.89015	2.80346			
	2.55616	2.05477					2.71491	12.854	
15 Carbon Disulfide	2.20586	2.25550	2.20597	2.10243	2.11949	2.06203			
	2.04383	1.72571					2.09010	7.901	
17 Trans-1,2-Dichloroethene	0.59206	0.69321	0.65325	0.64881	0.62059	0.62898			
	0.65812	0.60153					0.63707	5.179	
18 Vinyl Acetate	1.09423	1.32080	1.25369	1.24549	1.24888	1.26993			
	1.33959	1.13758					1.23877	6.779	
19 1,1-Dichloroethane	1.11743	1.17392	1.20437	1.16281	1.17389	1.14750			
	1.19490	1.08678					1.15770	3.404	
179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
20 2-Butanone	0.27509	0.35382	0.36173	0.35149	0.34115	0.33310			
	0.33437	0.28446					0.32940	9.787	
21 2,2-Dichloropropane	0.73123	0.77248	0.76437	0.75929	0.78636	0.79329			
	0.82581	0.73847					0.77141	3.968	
22 Cis-1,2-Dichloroethene	0.59553	0.71452	0.69738	0.70753	0.67184	0.67571			
	0.70442	0.63855					0.67569	6.034	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	1.00841	1.14920	1.09888	1.10040	1.07512	1.08171			
	1.09174	1.01120					1.07708	4.371	
26 Bromochloromethane	0.29458	0.37019	0.36974	0.35395	0.36020	0.35894			
	0.37415	0.34676					0.35356	7.219	
27 1,1,1-Trichloroethane	0.75326	0.82958	0.81932	0.83750	0.84951	0.85724			
	0.88119	0.80711					0.82934	4.630	
182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
29 1,1-Dichloropropene	0.51213	0.56236	0.53495	0.54313	0.52266	0.54670			
	0.58340	0.50139					0.53834	4.970	
30 Carbon Tetrachloride	0.49044	0.51776	0.49501	0.48888	0.47346	0.48767			
	0.51710	0.44854					0.48986	4.584	
32 1,2-Dichloroethane	0.40956	0.45986	0.47053	0.47198	0.43724	0.44810			
	0.45986	0.39620					0.44417	6.324	
33 Benzene	1.45477	1.52599	1.50644	1.53486	1.43608	1.42150			
	1.32720	1.03534					1.40527	11.668	
180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	0.37720	0.39916	0.41465	0.42058	0.40271	0.42683			
	0.45608	0.40048					0.41221	5.680	
36 1,2-Dichloropropane	0.40698	0.44044	0.44064	0.46047	0.43829	0.45519			
	0.47592	0.41372					0.44146	5.213	
38 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
37 Bromodichloromethane	0.47279	0.51513	0.49590	0.50515	0.49859	0.51442			
	0.53628	0.46377					0.50025	4.689	
39 Dibromomethane	0.23529	0.27672	0.26864	0.27877	0.26017	0.26370			
	0.27220	0.23774					0.26165	6.384	
40 2-Chloroethyl Vinyl Ether	+++++	+++++	0.07591	0.09054	0.08690	0.09974			
	0.11618	0.10132					0.09510	14.576	
41 4-Methyl-2-Pentanone	0.11698	0.16810	0.16689	0.17938	0.16773	0.17205			
	0.17429	0.13745					0.16036	13.448	
42 Cis 1,3-dichloropropene	0.52205	0.54714	0.56183	0.58181	0.59909	0.63849			
	0.67832	0.58076					0.58869	8.523	
28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	0.83896	0.92427	0.88087	0.92418	0.88292	0.92966		
	0.97385	0.81366					0.89605	5.848
45 Trans 1,3-Dichloropropene	0.43382	0.47105	0.46677	0.48920	0.50028	0.54209		
	0.57781	0.50203					0.49788	9.057
46 2-Hexanone	0.26464	0.40638	0.40253	0.41432	0.38239	0.32059		
	0.28035	+++++					0.35303	17.939
47 1,1,2-Trichloroethane	0.27684	0.35508	0.34284	0.34520	0.32447	0.34145		
	0.35544	0.31225					0.33170	8.019
48 1,3-Dichloropropane	0.55101	0.66979	0.66760	0.64103	0.65035	0.64617		
	0.70584	0.55626					0.63601	8.599
49 Tetrachloroethene	0.45553	0.47340	0.45592	0.44668	0.44664	0.45844		
	0.52074	0.43268					0.46125	5.793
50 Chlorodibromomethane	0.44996	0.47716	0.43895	0.43180	0.45293	0.46082		
	0.50841	0.40922					0.45366	6.605
51 1,2-Dibromoethane	0.31838	0.39392	0.37964	0.39247	0.38337	0.40418		
	0.42793	0.37363					0.38419	8.196
53 Chlorobenzene	1.00613	1.13079	1.06469	1.04852	1.02307	1.03784		
	1.11382	0.84608					1.03387	8.426

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	0.37556	0.40481	0.38011	0.37714	0.37183	0.38264	0.38390	5.626
	0.42481	0.35428						
54 Ethyl Benzene	1.60250	1.80866	1.70957	1.69743	1.67715	1.62301	1.58744	14.141
	1.50391	1.07729						
56 m,p-xylene	0.63734	0.68351	0.66433	0.65900	0.65089	0.66834	0.64427	8.797
	0.68162	0.50913						
57 o-Xylene	0.60591	0.67956	0.64889	0.65875	0 66543	0.68725	0.66938	7.174
	0.77042	0.63885						
58 Styrene	0.98823	1.14187	1.09673	1.09281	1.06252	1.10602	1.06840	8.366
	1.16776	0.89126						
59 Isopropyl Benzene	3.04682	3.23600	3.09653	3.06095	3.13642	3.06754	2.97240	12.046
	3.03402	2.10094						
60 Bromoform	0.49959	0.60957	0.58585	0.57403	0.58772	0.61565	0.59084	9.859
	0.70300	0.55131						
61 1,1,2,2-Tetrachloroethane	0.99762	1.10944	1.02669	1.03414	1.00885	1.00631	1.01261	8.262
	1.08721	0.83063						
63 1,2,3-Trichloropropane	+++++	0.23779	0.25654	0.25380	0.24188	0.24395	0.24426	7.713
	0.26758	0.20825						

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	+++++	0.27771	0.27447	0.26242	0.26015	0.26505		
	0.28908	0.21694					0.26369	8.701
66 N-Propyl Benzene	3.60583	3.69074	3.59155	3.52365	3.56601	3.29296		
	3.06576	2.11089					3.30593	15.844
67 Bromobenzene	0.87800	0.93102	0.89948	0.90612	0.88318	0.92800		
	1.06682	0.87792					0.92132	6.770
68 1,3,5-Trimethyl Benzene	2.42447	2.45564	2.34776	2.36849	2.44125	2.50788		
	2.55326	1.85747					2.36953	9.179
69 2-Chloro Toluene	2.38147	2.43585	2.42730	2.38560	2.20254	2.30108		
	2.39741	1.75692					2.28602	9.934
70 4-Chloro Toluene	2.46748	2.71113	2.39742	2.39941	2.40075	2.34936		
	2.43314	1.71381					2.35906	12.016
71 T-Butyl Benzene	2.25951	2.40218	2.23622	2.25072	2.25241	2.34894		
	2.55034	1.89331					2.27420	8.243
72 1,2,4-Trimethylbenzene	2.40493	2.47369	2.43673	2.41496	2.42983	2.47252		
	2.57232	1.82269					2.37846	9.698
73 S-Butyl Benzene	3.31264	3.42519	3.31895	3.35230	3.34691	3.25976		
	3.13007	2.22012					3.17074	12.412

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	2.49484	2.58130	2.49781	2.51694	2.56981	2.63222	2.48513	9.357	
	2.65887	1.92924							
75 1,3-Dichlorobenzene	1.63091	1.70027	1.57775	1.57586	1.55664	1.61139	1.61648	7.062	
	1.83468	1.44436							
64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++							
77 1,4-Dichlorobenzene	1.69815	1.71138	1.58810	1.55078	1.52424	1.59149	1.60925	8.022	
	1.81335	1.39652							
178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	+++++	+++++							
78 N-Butyl Benzene	2.55895	2.52610	2.44536	2.50530	2.55761	2.62070	2.45104	10.706	
	2.57971	1.81462							
80 1,2-Dichlorobenzene	1.53162	1.62633	1.51706	1.50793	1.44828	1.49814	1.51503	7.231	
	1.67682	1.31407							
81 1,2-Dibromo 3-Chloropropane	+++++	0.21036	0.19705	0.19425	0.17659	0.17286	0.18132	13.354	
	0.18330	0.13483							
82 1,2,4-Trichlorobenzene	1.01873	1.14346	1.08857	1.08440	1.06403	1.07838	1.08110	6.833	
	1.20809	0.96309							

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2011 13:10
End Cal Date : 09-MAR-2011 16:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/09MAR11.b/s8260b.m
Cal Date : 10-Mar-2011 09:23 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	0.63016	0.68559	0.61639	0.65431	0.58057	0.59434		
	0.66518	0.54264					0.62115	7.655
84 Naphthalene	+++++	2.73473	2.61931	2.68304	2.41617	2.31914		
	2.30600	1.60565					2.38344	16.113
85 1,2,3-Trichlorobenzene	+++++	1.21116	1.12256	1.13955	1.02216	1.01033		
	1.10350	0.85154					1.06583	10.975
$ 25 Dibromofluoromethane	0.56885	0.60719	0.62101	0.60356	0.60412	0.59082		
	0.54773	0.61139					0.59433	4.113
$ 31 d4-1,2-Dichloroethane	0.50800	0.57025	0.58680	0.59655	0.56674	0.53109		
	0.47562	0.56917					0.55053	7.593
$ 43 d8-Toluene	1.11271	1.12014	1.12007	1.14875	1.12146	1.14232		
	1.13479	1.14211					1.13029	1.177
$ 62 4-Bromofluorobenzene	0.49187	0.51771	0.51921	0.52890	0.51819	0.51697		
	0.50115	0.51182					0.51323	2.263
$ 79 d4-1,2-Dichlorobenzene	0.87140	0.88318	0.88039	0.88506	0.90035	0.90133		
	0.88337	0.89878					0.88798	1.228

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/09MAR11.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 09-MAR-2011

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1159	BFB0309.d	BFB0309	BFB0309	1	NO MANUAL INTEGRATION
1310	0010309.d	IC0309	VSTD1	1	Bromomethane, Chloroethane, Iodomethane, 2-Chloroethyl Vinyl Ether, 2-Hexanone, 1,1,2,2-Tetrachloroethane,
1353	2000309.d	IC0309	VSTD200	1	NO MANUAL INTEGRATION
1427	1500309.d	IC0309	VSTD150	1	NO MANUAL INTEGRATION
1455	1000309.d	IC0309	VSTD100	1	NO MANUAL INTEGRATION
1522	0500309.d	IC0309	VSTD50	1	NO MANUAL INTEGRATION
1550	0100309.d	IC0309	VSTD10	1	NO MANUAL INTEGRATION
1618	0050309.d	IC0309	VSTD5	1	2-Hexanone,
1651	0020309.d	IC0309	VSTD2	1	Chloroethane, 2-Hexanone, Trans-1,4-Dichloro 2-Butene,
1736	ICV0309.d	ICV0309	ICV0309	1	NO MANUAL INTEGRATION

Report Date : 10-Mar-2011 09:37

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Batch File: /chem1/finn5.i/09MAR11.b
Inst ID: finn5.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08
FILENAME:	0010309	2000309	1500309	1000309	0500309	0100309	0050309	0020309
INJ.DATE:	09-MAR-2011	09-MAR-2011	09-MAR-2011	09-MAR-2011	09-MAR-2011	09-MAR-2011	09-MAR-2011	09-MAR-2011
INJ.TIME:	13:10	13:53	14:27	14:55	15:22	15:50	16:18	16:51

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Dichlorodifluoromethan	2.874	2.884	2.894	2.874	2.884	2.894	2.884	2.894	2.874	2.617-3.132	2.886	0.008
2 Chloromethane	3.166	3.176	3.186	3.156	3.176	3.176	3.176	3.176	3.166	2.908-3.423	3.173	0.009
3 Vinyl Chloride	3.276	3.276	3.276	3.266	3.276	3.286	3.276	3.286	3.276	3.019-3.534	3.278	0.006
4 Bromomethane	3.749	3.739	3.749	3.739	3.759	3.759	3.749	3.759	3.749	3.491-4.006	3.750	0.008
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	4.500	4.235-4.765	+++++	+++++
5 Chloroethane	3.809	3.809	3.819	3.809	3.829	3.829	3.819	3.829	3.809	3.551-4.067	3.819	0.009
6 Trichlorofluoromethane	4.070	4.070	4.080	4.060	4.080	4.080	4.070	4.080	4.070	3.812-4.328	4.074	0.007
7 Acrolein	4.452	4.472	4.472	4.452	4.462	4.472	4.462	4.472	4.452	4.194-4.710	4.465	0.009
8 112Trichloro122Trifluo	4.462	4.472	4.472	4.462	4.472	4.482	4.472	4.482	4.462	4.205-4.720	4.472	0.008
9 Acetone	4.502	4.522	4.533	4.502	4.522	4.522	4.512	4.522	4.502	4.245-4.760	4.517	0.011
10 1,1-Dichloroethene	4.653	4.663	4.673	4.653	4.673	4.673	4.663	4.673	4.653	4.395-4.911	4.666	0.009
11 Bromoethane	4.874	4.884	4.884	4.864	4.884	4.884	4.874	4.884	4.874	4.616-5.132	4.879	0.008
12 Iodomethane	4.965	4.975	4.985	4.965	4.985	4.985	4.975	4.985	4.965	4.707-5.222	4.977	0.009
13 Methylene Chloride	5.085	5.095	5.105	5.085	5.095	5.105	5.095	5.095	5.085	4.828-5.343	5.095	0.008
14 Acrylonitrile	5.166	5.186	5.196	5.176	5.186	5.196	5.176	5.186	5.166	4.908-5.423	5.183	0.010
16 Methyl tert-Butyl Ethe	5.216	5.236	5.236	5.216	5.226	5.236	5.226	5.226	5.216	4.958-5.474	5.227	0.008
15 Carbon Disulfide	5.176	5.186	5.196	5.176	5.196	5.196	5.186	5.196	5.176	4.918-5.433	5.188	0.009

Reviewer 1 _____ Date: 3/10/11
Reviewer 2 _____ Date: 3/11/11

E3393

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Batch File: /chem1/finn5.i/09MAR11.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	5.367	5.377	5.387	5.367	5.377	5.387	5.377	5.377	5.367	5.109-5.624	5.377	0.008
	18 Vinyl Acetate	5.688	5.708	5.708	5.688	5.708	5.708	5.698	5.708	5.688	5.431-5.946	5.702	0.009
	19 1,1-Dichloroethane	5.739	5.759	5.759	5.739	5.759	5.759	5.749	5.759	5.739	5.481-5.996	5.752	0.009
	179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.990	5.725-6.255	+++++	+++++
	20 2-Butanone	6.090	6.110	6.110	6.090	6.100	6.110	6.100	6.110	6.090	5.832-6.348	6.103	0.009
	21 2,2-Dichloropropane	6.261	6.271	6.281	6.261	6.271	6.281	6.271	6.281	6.261	6.003-6.519	6.272	0.008
	22 Cis-1,2-Dichloroethene	6.301	6.311	6.321	6.301	6.311	6.321	6.311	6.311	6.301	6.044-6.559	6.311	0.008
*	23 Pentafluorobenzene	6.432	6.442	6.452	6.432	6.442	6.452	6.442	6.442	6.432	6.175-6.689	6.442	0.008
	24 Chloroform	6.442	6.462	6.462	6.442	6.462	6.462	6.452	6.462	6.442	6.185-6.699	6.456	0.009
	26 Bromochloromethane	6.603	6.623	6.623	6.603	6.623	6.623	6.613	6.623	6.603	6.345-6.860	6.617	0.009
$	25 Dibromofluoromethane	6.643	6.663	6.663	6.643	6.653	6.663	6.653	6.653	6.643	6.386-6.900	6.654	0.008
	27 1,1,1-Trichloroethane	6.834	6.844	6.854	6.834	6.844	6.854	6.844	6.844	6.834	6.577-7.091	6.844	0.008
	182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.030	7.765-8.295	+++++	+++++
	29 1,1-Dichloropropene	6.975	6.985	6.995	6.975	6.985	6.995	6.985	6.985	6.975	6.677-7.273	6.985	0.008
$	31 d4-1,2-Dichloroethane	7.105	7.125	7.125	7.105	7.115	7.125	7.115	7.115	7.105	6.848-7.363	7.117	0.008
	30 Carbon Tetrachloride	7.085	7.105	7.105	7.085	7.105	7.105	7.095	7.105	7.085	6.787-7.383	7.099	0.009
	32 1,2-Dichloroethane	7.196	7.206	7.216	7.196	7.206	7.216	7.196	7.206	7.196	6.898-7.494	7.205	0.008
	33 Benzene	7.236	7.256	7.256	7.236	7.256	7.256	7.246	7.256	7.236	6.938-7.534	7.250	0.009
	180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.687	6.422-6.952	+++++	+++++
*	34 1,4-Difluorobenzene	7.437	7.457	7.457	7.437	7.447	7.457	7.447	7.447	7.437	7.139-7.734	7.448	0.008
	35 Trichloroethene	7.799	7.819	7.819	7.799	7.819	7.819	7.809	7.819	7.799	7.501-8.096	7.813	0.009
	36 1,2-Dichloropropane	7.970	7.980	7.990	7.970	7.980	7.990	7.970	7.980	7.970	7.672-8.267	7.978	0.008

Report Date : 10-Mar-2011 09:37

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Batch File: /chem1/finn5.i/09MAR11.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	8.201	8.221	8.221	8.201	8.211	8.221	8.211	8.211	8.201	7.903-8.498	8.212	0.008
	39 Dibromomethane	8.261	8.281	8.291	8.271	8.281	8.281	8.271	8.281	8.261	7.964-8.558	8.277	0.009
	40 2-Chloroethyl Vinyl Et	8.422	8.442	8.442	8.422	8.432	8.442	8.432	8.432	8.422	8.124-8.719	8.433	0.008
	41 4-Methyl-2-Pentanone	8.462	8.482	8.482	8.462	8.472	8.482	8.472	8.472	8.462	8.165-8.760	8.473	0.008
	42 Cis 1,3-dichloropropen	8.703	8.723	8.723	8.703	8.723	8.723	8.713	8.723	8.703	8.406-9.001	8.717	0.009
	28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.337	7.072-7.602	+++++	+++++
$	43 d8-Toluene	8.985	8.995	9.005	8.975	8.995	9.005	8.985	8.995	8.985	8.687-9.282	8.992	0.010
	44 Toluene	9.065	9.085	9.085	9.065	9.075	9.085	9.075	9.075	9.065	8.768-9.363	9.076	0.008
	45 Trans 1,3-Dichloroprop	9.196	9.216	9.216	9.196	9.206	9.216	9.206	9.216	9.196	8.898-9.493	9.208	0.009
	46 2-Hexanone	9.336	9.357	9.357	9.336	9.346	9.357	9.346	9.357	9.336	8.913-9.760	9.349	0.009
	47 1,1,2-Trichloroethane	9.377	9.397	9.397	9.377	9.387	9.397	9.387	9.397	9.377	9.079-9.674	9.389	0.009
	48 1,3-Dichloropropane	9.638	9.658	9.658	9.638	9.648	9.658	9.648	9.648	9.638	9.214-10.061	9.649	0.008
	49 Tetrachloroethene	9.748	9.769	9.769	9.748	9.769	9.769	9.759	9.769	9.748	9.325-10.172	9.762	0.009
	50 Chlorodibromomethane	9.960	9.980	9.980	9.960	9.970	9.980	9.970	9.970	9.960	9.536-10.383	9.971	0.008
	51 1,2-Dibromoethane	10.181	10.201	10.201	10.181	10.191	10.201	10.191	10.201	10.181	9.883-10.478	10.193	0.009
*	52 d5-Chlorobenzene	10.583	10.593	10.603	10.583	10.593	10.603	10.583	10.593	10.583	10.159-11.006	10.591	0.008
	53 Chlorobenzene	10.623	10.643	10.643	10.623	10.633	10.643	10.633	10.633	10.623	10.199-11.046	10.634	0.008
	55 1,1,1,2-Tetrachloroeth	10.643	10.663	10.673	10.653	10.663	10.663	10.653	10.663	10.643	10.219-11.066	10.659	0.009
	54 Ethyl Benzene	10.653	10.673	10.673	10.653	10.673	10.673	10.663	10.673	10.653	10.230-11.076	10.667	0.009
	56 m,p-xylene	10.733	10.753	10.753	10.733	10.753	10.753	10.743	10.753	10.733	10.310-11.157	10.747	0.009
	57 o-Xylene	11.226	11.246	11.246	11.226	11.236	11.246	11.236	11.236	11.226	10.802-11.649	11.237	0.008
	58 Styrene	11.256	11.276	11.276	11.256	11.266	11.276	11.266	11.266	11.256	10.833-11.679	11.267	0.008
	59 Isopropyl Benzene	11.608	11.628	11.628	11.608	11.618	11.628	11.618	11.618	11.608	11.077-12.138	11.619	0.008

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Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Batch File: /chem1/finn5.i/09MAR11.b
Inst ID: finn5.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	60 Bromoform	11.658	11.678	11.678	11.658	11.678	11.678	11.668	11.678	11.658	11.127-12.189	11.672	0.009
	61 1,1,2,2-Tetrachloroeth	11.789	11.809	11.809	11.789	11.799	11.809	11.789	11.799	11.789	11.258-12.319	11.799	0.009
$	62 4-Bromofluorobenzene	11.899	11.919	11.919	11.899	11.919	11.919	11.909	11.919	11.899	11.476-12.322	11.913	0.009
	63 1,2,3-Trichloropropane	+++++	11.980	11.980	11.959	11.970	11.980	11.959	11.970	11.959	11.429-12.490	11.971	0.009
	65 Trans-1,4-Dichloro 2-B	+++++	12.030	12.030	12.010	12.020	12.030	12.020	12.020	12.020	11.489-12.550	12.023	0.008
	66 N-Propyl Benzene	12.060	12.080	12.080	12.060	12.070	12.080	12.070	12.070	12.060	11.529-12.591	12.071	0.008
	67 Bromobenzene	12.150	12.160	12.171	12.150	12.160	12.160	12.150	12.160	12.150	11.620-12.681	12.158	0.007
	68 1,3,5-Trimethyl Benzen	12.231	12.251	12.251	12.231	12.251	12.251	12.241	12.251	12.231	11.700-12.761	12.245	0.009
	69 2-Chloro Toluene	12.291	12.311	12.311	12.291	12.301	12.311	12.291	12.301	12.291	11.760-12.822	12.301	0.009
	70 4-Chloro Toluene	12.331	12.351	12.351	12.331	12.351	12.351	12.341	12.351	12.331	11.801-12.862	12.345	0.009
	71 T-Butyl Benzene	12.643	12.663	12.663	12.643	12.653	12.663	12.653	12.653	12.643	12.112-13.173	12.654	0.008
	72 1,2,4-Trimethylbenzene	12.693	12.713	12.713	12.693	12.703	12.713	12.703	12.703	12.693	12.162-13.224	12.704	0.008
	73 S-Butyl Benzene	12.884	12.904	12.914	12.884	12.904	12.904	12.894	12.904	12.884	12.353-13.415	12.899	0.011
	74 4-Isopropyl Toluene	13.035	13.055	13.055	13.035	13.045	13.055	13.045	13.055	13.035	12.504-13.565	13.047	0.009
	75 1,3-Dichlorobenzene	13.176	13.196	13.206	13.176	13.196	13.196	13.186	13.196	13.176	12.645-13.706	13.191	0.011
	64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.768	13.336-14.200	+++++	+++++
*	76 d4-1,4-Dichlorobenzene	13.256	13.276	13.276	13.256	13.276	13.276	13.266	13.276	13.256	12.726-13.786	13.270	0.009
	77 1,4-Dichlorobenzene	13.296	13.316	13.316	13.296	13.306	13.316	13.306	13.316	13.296	12.766-13.826	13.309	0.009
	178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.100	13.561-14.639	+++++	+++++
	78 N-Butyl Benzene	13.517	13.537	13.537	13.517	13.527	13.537	13.517	13.527	13.517	12.987-14.047	13.527	0.009
$	79 d4-1,2-Dichlorobenzene	13.708	13.728	13.728	13.708	13.718	13.728	13.708	13.718	13.708	13.178-14.238	13.718	0.009
	80 1,2-Dichlorobenzene	13.738	13.758	13.758	13.738	13.748	13.758	13.748	13.748	13.738	13.208-14.268	13.750	0.008
	81 1,2-Dibromo 3-Chloropr	14.643	14.663	14.663	14.643	14.653	14.663	14.653	14.663	14.643	14.112-15.173	14.655	0.009

fr 3/10/4

Report Date : 10-Mar-2011 09:37

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Batch File: /chem1/finn5.i/09MAR11.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	15.688	15.708	15.708	15.688	15.698	15.708	15.698	15.698	15.688	15.158-16.218	15.699	0.008
83 Hexachloro 1,3-Butadie	15.849	15.859	15.869	15.849	15.859	15.859	15.849	15.859	15.849	15.319-16.379	15.856	0.007
84 Naphthalene	16.010	16.030	16.030	16.010	16.020	16.030	16.020	16.020	16.010	15.479-16.540	16.021	0.008
85 1,2,3-Trichlorobenzene	16.301	16.321	16.321	16.301	16.311	16.321	16.311	16.311	16.301	15.771-16.831	16.312	0.008

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Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/0010309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD1
Inj Date : 09-MAR-2011 13:10
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:10 Cal File: 0010309.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)	ON-COL (ug/Kg)
1	Dichlorodifluoromethane	85	2.874	2.874	(0.447)	923	1.00000	1.056
2	Chloromethane	50	3.166	3.166	(0.492)	2020	1.00000	1.324
3	Vinyl Chloride	62	3.276	3.276	(0.509)	2333	1.00000	1.229(Q)
4	Bromomethane	94	3.749	3.749	(0.583)	722	1.00000	1.097(QM)
5	Chloroethane	64	3.809	3.809	(0.592)	1335	1.00000	1.056(M)
6	Trichlorofluoromethane	101	4.070	4.070	(0.633)	1777	1.00000	1.033(Q)
7	Acrolein	56	4.452	4.452	(0.692)	1322	5.00000	4.976
8	112Trichloro122Trifluoroethane	101	4.462	4.462	(0.694)	1329	1.00000	0.9704
9	Acetone	43	4.502	4.502	(0.700)	2416	5.00000	6.141
10	1,1-Dichloroethene	96	4.653	4.653	(0.723)	846	1.00000	0.8877
11	Bromoethane	108	4.874	4.874	(0.758)	715	1.00000	0.9552
12	Iodomethane	142	4.965	4.965	(0.772)	981	1.00000	1.101(M)
13	Methylene Chloride	84	5.085	5.085	(0.791)	1119	1.00000	0.9826
14	Acrylonitrile	53	5.166	5.166	(0.803)	288	1.00000	0.6564(Q)

Data File: /chem1/finn5.i/09MAR11.b/0010309.d
Report Date: 10-Mar-2011 09:38

	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	5.216	5.216	(0.811)	4140	1.00000	0.8843(Q)
	15 Carbon Disulfide	76	5.176	5.176	(0.805)	3804	1.00000	1.055
	17 Trans-1,2-Dichloroethene	96	5.367	5.367	(0.834)	1021	1.00000	0.9293
	18 Vinyl Acetate	43	5.688	5.688	(0.884)	1887	1.00000	0.8833
	19 1,1-Dichloroethane	63	5.739	5.739	(0.892)	1927	1.00000	0.9652
	20 2-Butanone	43	6.090	6.090	(0.947)	2372	5.00000	4.176
	21 2,2-Dichloropropane	77	6.261	6.261	(0.973)	1261	1.00000	0.9479
	22 Cis-1,2-Dichloroethene	96	6.301	6.301	(0.980)	1027	1.00000	0.8814
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	86225	50.0000	
	24 Chloroform	83	6.442	6.442	(1.002)	1739	1.00000	0.9362(Q)
	26 Bromochloromethane	128	6.603	6.603	(1.027)	508	1.00000	0.8332(Q)
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	49049	50.0000	47.856(Q)
	27 1,1,1-Trichloroethane	97	6.834	6.834	(1.062)	1299	1.00000	0.9083
	29 1,1-Dichloropropene	75	6.975	6.975	(0.938)	1393	1.00000	0.9513
	30 Carbon Tetrachloride	117	7.085	7.085	(0.953)	1334	1.00000	1.001
$	31 d4-1,2-Dichloroethane	65	7.105	7.105	(1.105)	43802	50.0000	46.137
	32 1,2-Dichloroethane	62	7.196	7.196	(0.968)	1114	1.00000	0.9221
	33 Benzene	78	7.236	7.236	(0.973)	3957	1.00000	1.035
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	136001	50.0000	
	35 Trichloroethene	95	7.799	7.799	(1.049)	1026	1.00000	0.9151
	36 1,2-Dichloropropane	63	7.970	7.970	(1.072)	1107	1.00000	0.9219
	37 Bromodichloromethane	83	8.201	8.201	(1.103)	1286	1.00000	0.9451
	39 Dibromomethane	93	8.261	8.261	(1.111)	640	1.00000	0.8992
	40 2-Chloroethyl Vinyl Ether	63	8.422	8.422	(1.132)	130	1.00000	0.5026(QM)
	41 4-Methyl-2-Pentanone	58	8.462	8.462	(1.138)	1591	5.00000	3.648
	42 Cis 1,3-dichloropropene	75	8.703	8.703	(1.170)	1420	1.00000	0.8868
$	43 d8-Toluene	98	8.985	8.985	(1.208)	151330	50.0000	49.222
	44 Toluene	92	9.065	9.065	(1.219)	2282	1.00000	0.9363
	45 Trans 1,3-Dichloropropene	75	9.196	9.196	(1.236)	1180	1.00000	0.8713
	46 2-Hexanone	43	9.336	9.336	(0.882)	3326	5.00000	3.748(M)
	47 1,1,2-Trichloroethane	97	9.377	9.377	(1.261)	753	1.00000	0.8346
	48 1,3-Dichloropropane	76	9.638	9.638	(0.911)	1385	1.00000	0.8664
	49 Tetrachloroethene	166	9.748	9.748	(0.921)	1145	1.00000	0.9876
	50 Chlorodibromomethane	129	9.960	9.960	(0.941)	1131	1.00000	0.9918
	51 1,2-Dibromoethane	107	10.181	10.181	(1.369)	866	1.00000	0.8287(T)
*	52 d5-Chlorobenzene	117	10.583	10.583	(1.000)	125679	50.0000	
	53 Chlorobenzene	112	10.623	10.623	(1.004)	2529	1.00000	0.9732(Q)
	54 Ethyl Benzene	91	10.653	10.653	(1.007)	4028	1.00000	1.009
	55 1,1,1,2-Tetrachloroethane	131	10.643	10.643	(1.006)	944	1.00000	0.9783
	56 m,p-xylene	106	10.733	10.733	(1.014)	3204	2.00000	1.978
	57 o-Xylene	106	11.226	11.226	(1.061)	1523	1.00000	0.9052
	58 Styrene	104	11.256	11.256	(1.064)	2484	1.00000	0.9250
	59 Isopropyl Benzene	105	11.608	11.608	(0.876)	3897	1.00000	1.025
	60 Bromoform	173	11.658	11.658	(0.879)	639	1.00000	0.8456
	61 1,1,2,2-Tetrachloroethane	83	11.789	11.789	(0.889)	1276	1.00000	0.9852(M)
$	62 4-Bromofluorobenzene	95	11.899	11.899	(1.124)	61818	50.0000	47.919
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	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	Compound Not Detected.					
66	N-Propyl Benzene	91	12.060	12.060	(0.910)	4612	1.00000	1.091
67	Bromobenzene	156	12.150	12.150	(0.917)	1123	1.00000	0.9530
68	1,3,5-Trimethyl Benzene	105	12.231	12.231	(0.923)	3101	1.00000	1.023
69	2-Chloro Toluene	91	12.291	12.291	(0.927)	3046	1.00000	1.042
70	4-Chloro Toluene	91	12.331	12.331	(0.930)	3156	1.00000	1.046
71	T-Butyl Benzene	119	12.643	12.643	(0.954)	2890	1.00000	0.9935
72	1,2,4-Trimethylbenzene	105	12.693	12.693	(0.958)	3076	1.00000	1.011(T)
73	S-Butyl Benzene	105	12.884	12.884	(0.972)	4237	1.00000	1.045
74	4-Isopropyl Toluene	119	13.035	13.035	(0.983)	3191	1.00000	1.004
75	1,3-Dichlorobenzene	146	13.176	13.176	(0.994)	2086	1.00000	1.009
* 76	d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	63952	50.0000	
77	1,4-Dichlorobenzene	146	13.296	13.296	(1.003)	2172	1.00000	1.055(Q)
78	N-Butyl Benzene	91	13.517	13.517	(1.020)	3273	1.00000	1.044
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.708	(1.034)	55728	50.0000	49.066
80	1,2-Dichlorobenzene	146	13.738	13.738	(1.036)	1959	1.00000	1.011
81	1,2-Dibromo 3-Chloropropane	75	14.643	14.643	(1.105)	157	1.00000	0.6770(Q)
82	1,2,4-Trichlorobenzene	180	15.688	15.688	(1.183)	1303	1.00000	0.9423
83	Hexachloro 1,3-Butadiene	225	15.849	15.849	(1.196)	806	1.00000	1.014
84	Naphthalene	128	16.010	16.010	(1.208)	2689	1.00000	0.8821
85	1,2,3-Trichlorobenzene	180	16.301	16.301	(1.230)	1253	1.00000	0.9191

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: 0010309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: VSTD1
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	91022	45511	182044	86225	-5.27
34 1,4-Difluorobenze	153104	76552	306208	136001	-11.17
52 d5-Chlorobenzene	143720	71860	287440	125679	-12.55
76 d4-1,4-Dichlorobe	77398	38699	154796	63952	-17.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.43	-0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.44	-0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.58	-0.09
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.26	-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.

Data File: /chem1/finn5.i/09MAR11.b/0010309.d

Date : 09-MAR-2011 13:10

Client ID: VSTD1

Sample Info: IC0309,5,5,0

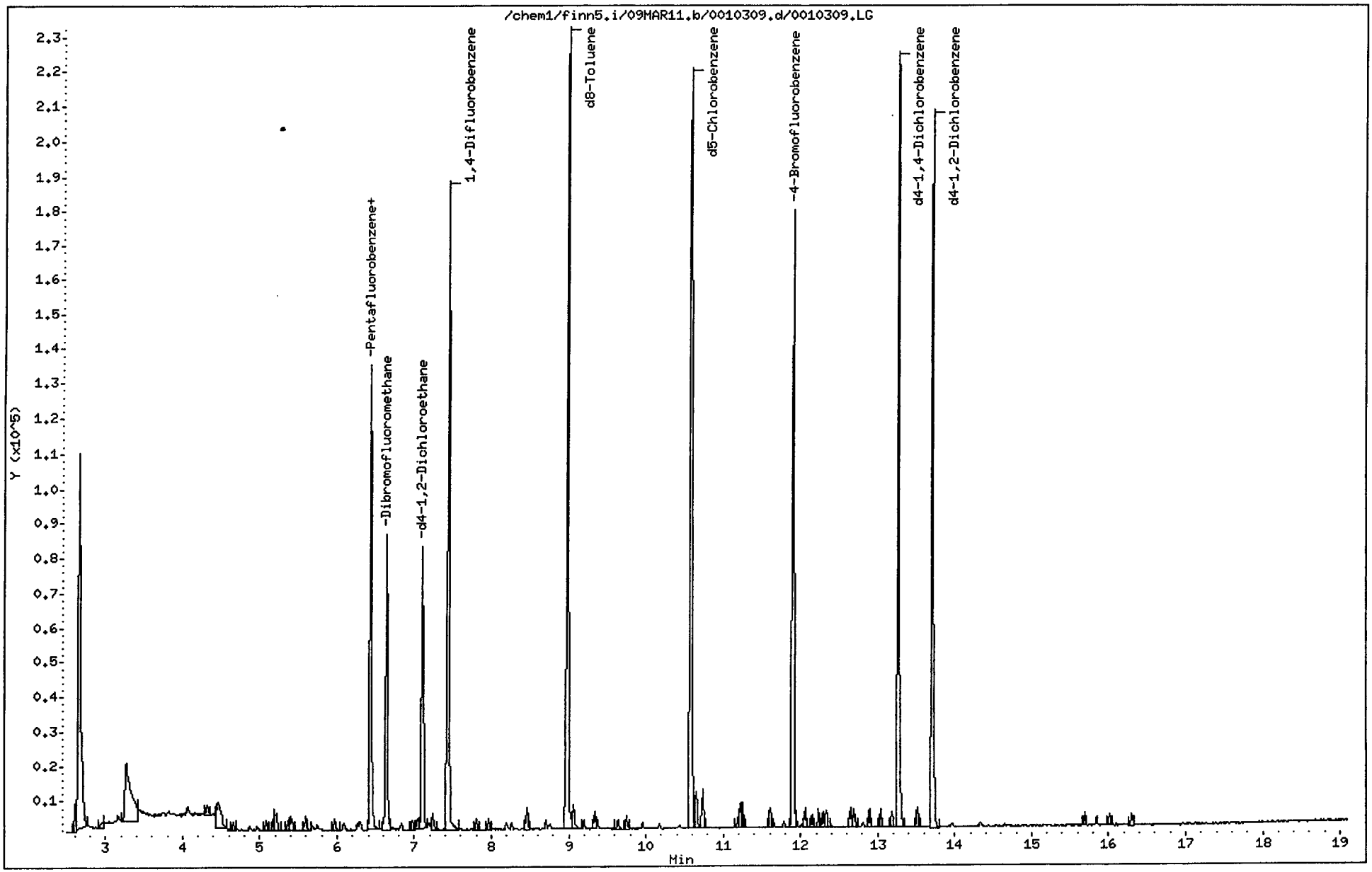
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

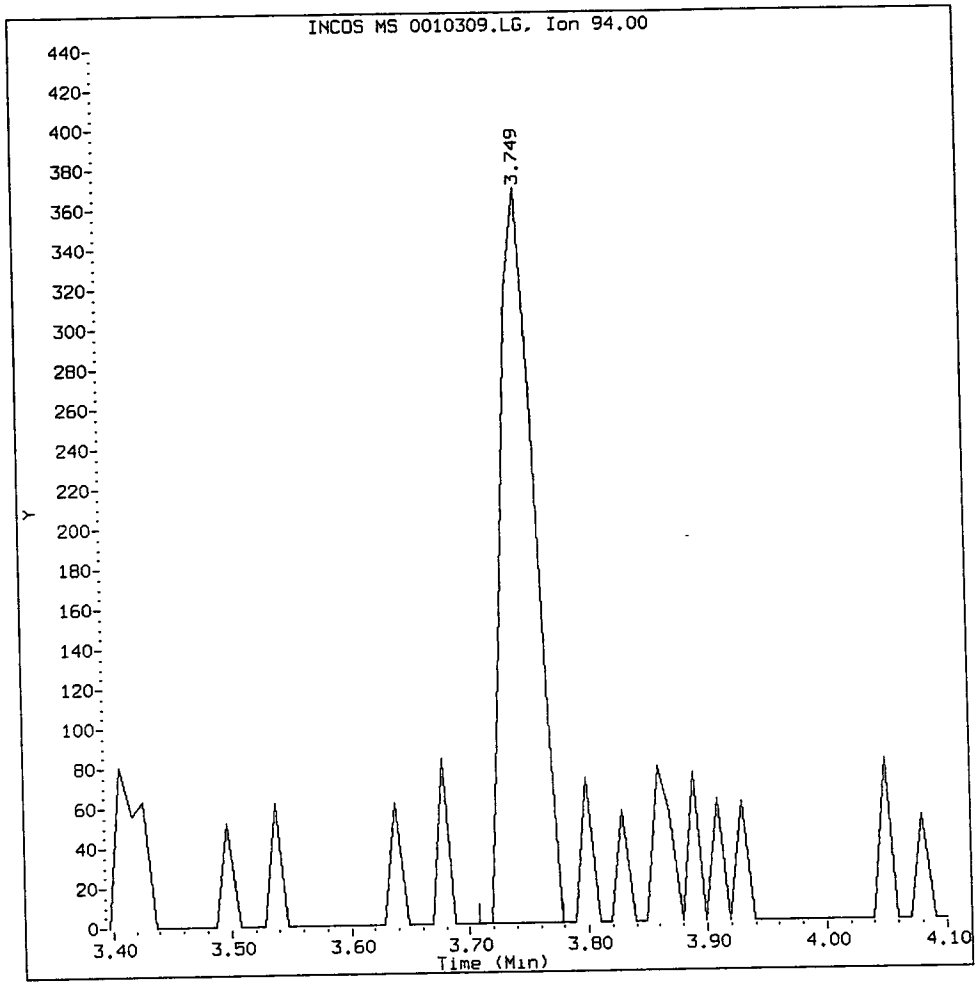
Column diameter: 0.18

SS71:00972



IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

Bromomethane Amount: 1.10 Area: 722



MANUAL INTEGRATION for Bromomethane

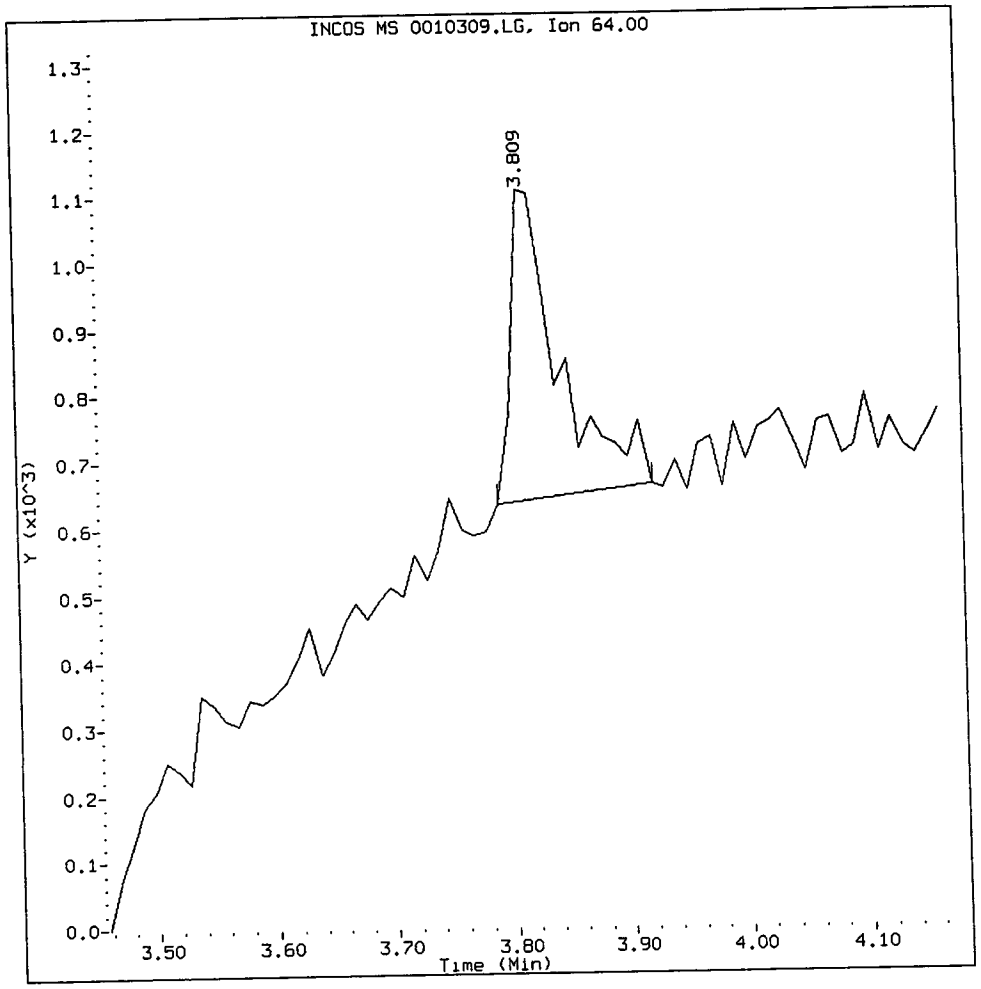
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/10/11

IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

Chloroethane Amount: 1.06 Area: 1335



MANUAL INTEGRATION for Chloroethane

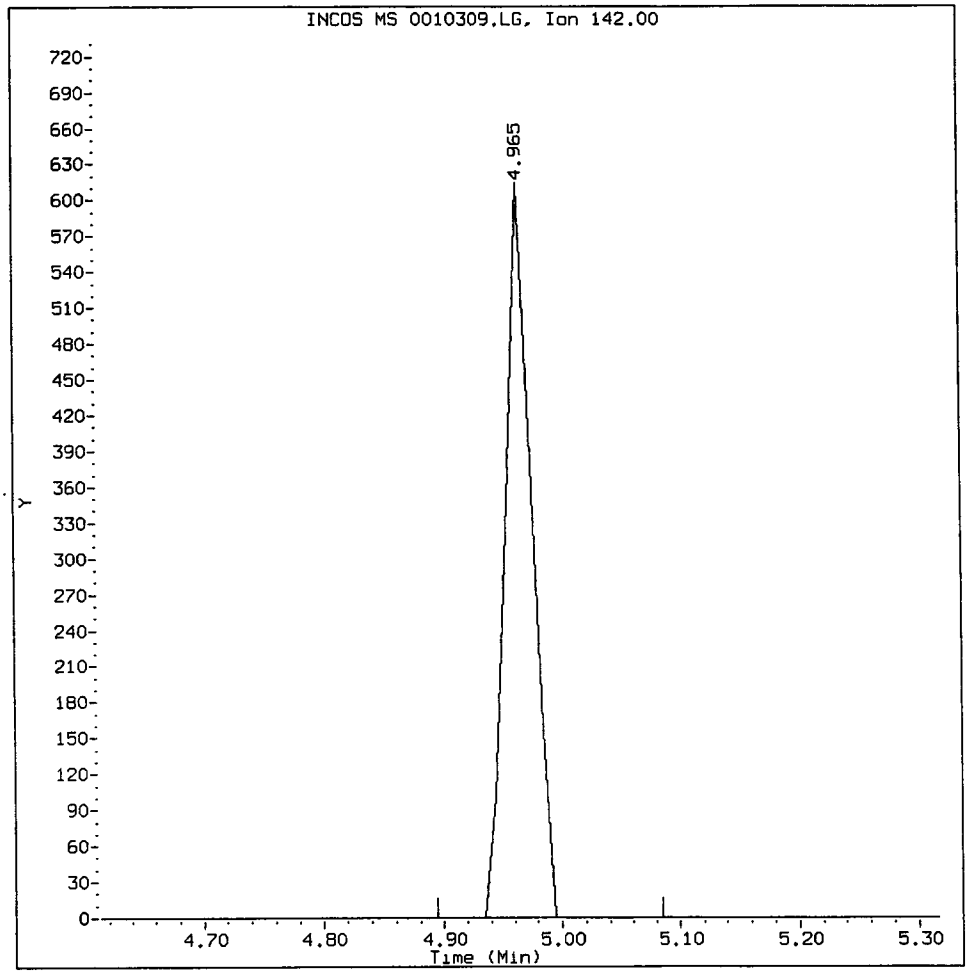
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/15/11

IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

Iodomethane Amount: 1.10 Area: 981



MANUAL INTEGRATION for Iodomethane

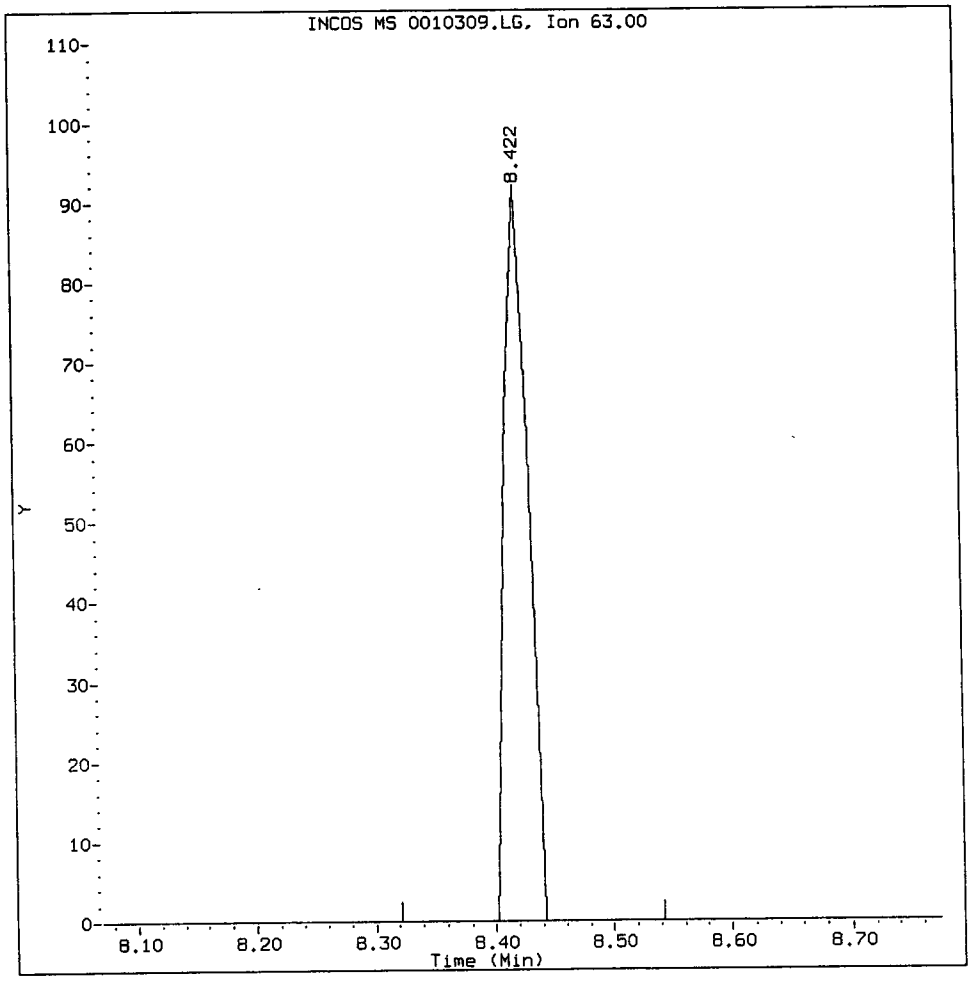
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/09/11

IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

2-Chloroethyl Vinyl Ether Amount: 0.50 Area: 130



MANUAL INTEGRATION for 2-Chloroethyl Vinyl Ether

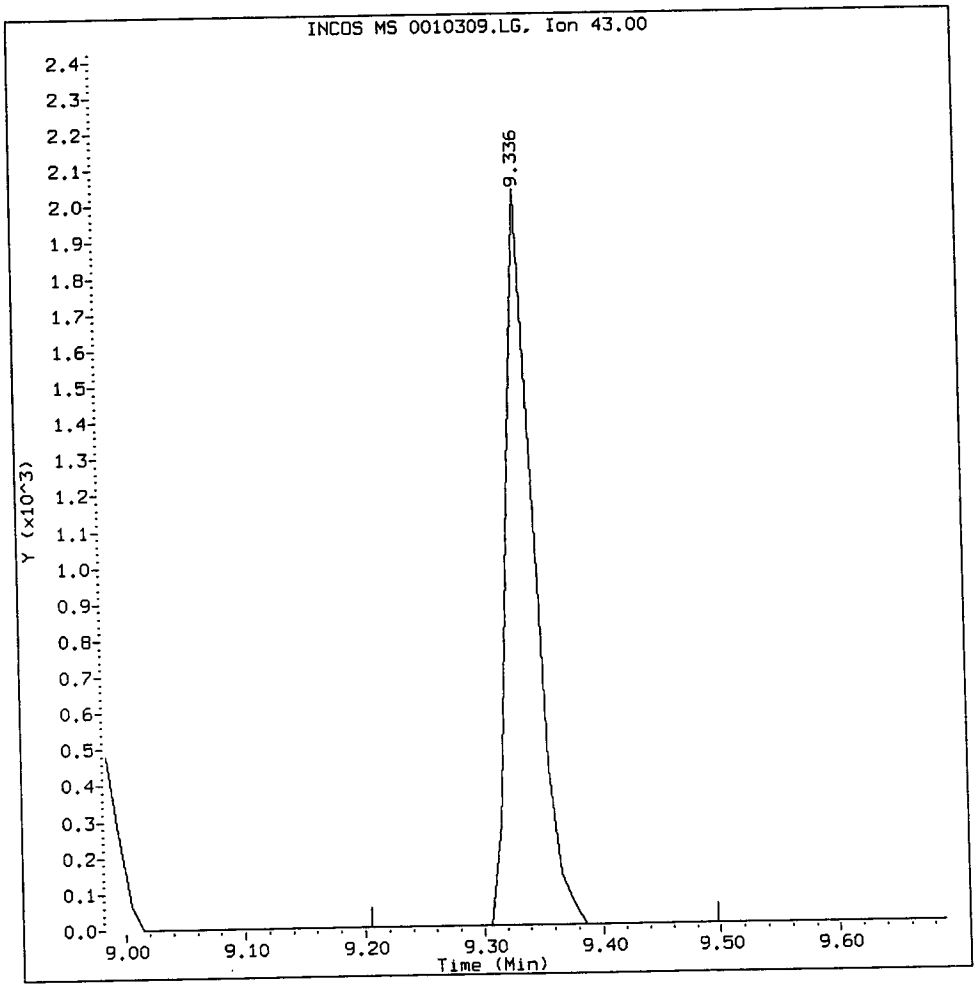
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/15/11

IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

2-Hexanone Amount: 3.75 Area: 3326



MANUAL INTEGRATION for 2-Hexanone

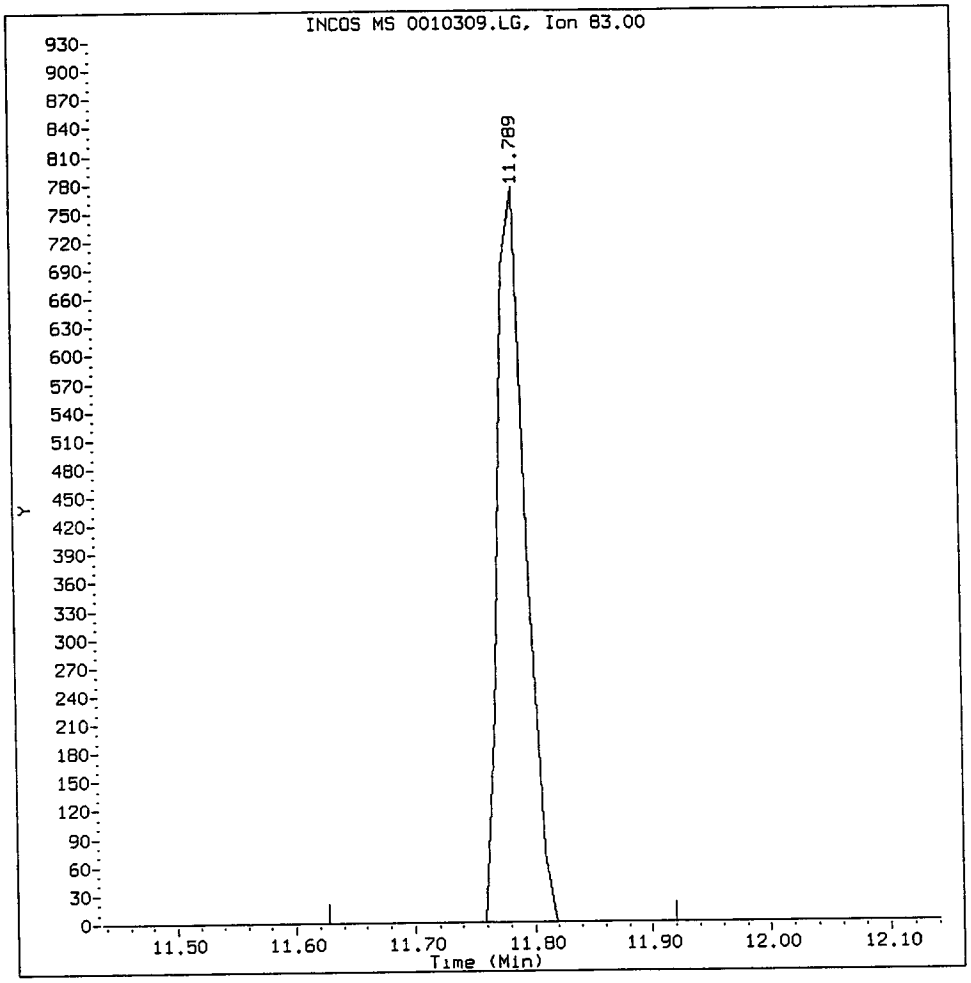
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/18/4

IC0309, /chem1/finn5.i/09MAR11.b/0010309.d

1,1,2,2-Tetrachloroethane Amount: 0.99 Area: 1276



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: 3/10/11

CO-ELUTION SUMMARY FOR FILE - 0010309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Data File: /chem1/finn5.i/09MAR11.b/0020309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/0020309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD2
Inj Date : 09-MAR-2011 16:51
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 16:51 Cal File: 0020309.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	2.894	2.894	(0.449)	1675	2.00000	1.877
2 Chloromethane	50	3.176	3.176	(0.493)	3542	2.00000	2.276
3 Vinyl Chloride	62	3.286	3.286	(0.510)	4834	2.00000	2.495(Q)
4 Bromomethane	94	3.759	3.759	(0.583)	1374	2.00000	2.045(Q)
5 Chloroethane	64	3.829	3.829	(0.594)	2373	2.00000	1.839(M)
6 Trichlorofluoromethane	101	4.080	4.080	(0.633)	3683	2.00000	2.097
7 Acrolein	56	4.472	4.472	(0.694)	3052	10.0000	11.256
8 112Trichloro122Trifluoroethane	101	4.482	4.482	(0.696)	3069	2.00000	2.196
9 Acetone	43	4.522	4.522	(0.702)	4948	10.0000	12.324
10 1,1-Dichloroethene	96	4.673	4.673	(0.725)	2062	2.00000	2.120
11 Bromoethane	108	4.884	4.884	(0.758)	1533	2.00000	2.007
12 Iodomethane	142	4.985	4.985	(0.774)	1990	2.00000	2.189
13 Methylene Chloride	84	5.095	5.095	(0.791)	2508	2.00000	2.158
14 Acrylonitrile	53	5.186	5.186	(0.805)	891	2.00000	1.990(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	5.226	5.226	(0.811)	10656	2.00000	2.230 (Q)
	15 Carbon Disulfide	76	5.196	5.196	(0.807)	7939	2.00000	2.158
	17 Trans-1,2-Dichloroethene	96	5.377	5.377	(0.835)	2440	2.00000	2.176
	18 Vinyl Acetate	43	5.708	5.708	(0.886)	4649	2.00000	2.132
	19 1,1-Dichloroethane	63	5.759	5.759	(0.894)	4132	2.00000	2.028
	20 2-Butanone	43	6.110	6.110	(0.949)	6227	10.0000	10.741
	21 2,2-Dichloropropane	77	6.281	6.281	(0.975)	2719	2.00000	2.003
	22 Cis-1,2-Dichloroethene	96	6.311	6.311	(0.980)	2515	2.00000	2.115
*	23 Pentafluorobenzene	168	6.442	6.442	(1.000)	87996	50.0000	
	24 Chloroform	83	6.462	6.462	(1.003)	4045	2.00000	2.134 (Q)
	26 Bromochloromethane	128	6.623	6.623	(1.028)	1303	2.00000	2.094 (Q)
$	25 Dibromofluoromethane	111	6.653	6.653	(1.033)	53430	50.0000	51.081 (Q)
	27 1,1,1-Trichloroethane	97	6.844	6.844	(1.062)	2920	2.00000	2.000
	29 1,1-Dichloropropene	75	6.985	6.985	(0.938)	3215	2.00000	2.089
	30 Carbon Tetrachloride	117	7.105	7.105	(0.954)	2960	2.00000	2.114
$	31 d4-1,2-Dichloroethane	65	7.115	7.115	(1.105)	50180	50.0000	51.792
	32 1,2-Dichloroethane	62	7.206	7.206	(0.968)	2629	2.00000	2.071
	33 Benzene	78	7.256	7.256	(0.974)	8724	2.00000	2.172
*	34 1,4-Difluorobenzene	114	7.447	7.447	(1.000)	142924	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.050)	2282	2.00000	1.937
	36 1,2-Dichloropropane	63	7.980	7.980	(1.072)	2518	2.00000	1.995
	37 Bromodichloromethane	83	8.211	8.211	(1.103)	2945	2.00000	2.059
	39 Dibromomethane	93	8.281	8.281	(1.112)	1582	2.00000	2.115
	40 2-Chloroethyl Vinyl Ether	63	8.432	8.432	(1.132)	348	2.00000	1.280 (Q)
	41 4-Methyl-2-Pentanone	58	8.472	8.472	(1.138)	4805	10.0000	10.482
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.171)	3128	2.00000	1.859
$	43 d8-Toluene	98	8.995	8.995	(1.208)	160095	50.0000	49.551
	44 Toluene	92	9.075	9.075	(1.219)	5284	2.00000	2.063
	45 Trans 1,3-Dichloropropene	75	9.216	9.216	(1.238)	2693	2.00000	1.892
	46 2-Hexanone	43	9.357	9.357	(0.883)	10812	10.0000	11.511 (M)
	47 1,1,2-Trichloroethane	97	9.397	9.397	(1.262)	2030	2.00000	2.141
	48 1,3-Dichloropropane	76	9.648	9.648	(0.911)	3564	2.00000	2.106
	49 Tetrachloroethene	166	9.769	9.769	(0.922)	2519	2.00000	2.053
	50 Chlorodibromomethane	129	9.970	9.970	(0.941)	2539	2.00000	2.104
	51 1,2-Dibromoethane	107	10.201	10.201	(1.370)	2252	2.00000	2.051 (T)
*	52 d5-Chlorobenzene	117	10.593	10.593	(1.000)	133027	50.0000	
	53 Chlorobenzene	112	10.633	10.633	(1.004)	6017	2.00000	2.187
	54 Ethyl Benzene	91	10.673	10.673	(1.008)	9624	2.00000	2.279
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.663	(1.007)	2154	2.00000	2.109
	56 m,p-xylene	106	10.753	10.753	(1.015)	7274	4.00000	4.244
	57 o-Xylene	106	11.236	11.236	(1.061)	3616	2.00000	2.030
	58 Styrene	104	11.266	11.266	(1.064)	6076	2.00000	2.138
	59 Isopropyl Benzene	105	11.618	11.618	(0.875)	9322	2.00000	2.177
	60 Bromoform	173	11.678	11.678	(0.880)	1756	2.00000	2.063
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.799	(0.889)	3196	2.00000	2.191
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.125)	68869	50.0000	50.436
	63 1,2,3-Trichloropropane	110	11.970	11.970	(0.902)	685	2.00000	1.947 (Q)

	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	12.020	12.020	(0.905)	800	2.00000	2.106 (QM)
66	N-Propyl Benzene	91	12.070	12.070	(0.909)	10632	2.00000	2.233
67	Bromobenzene	156	12.160	12.160	(0.916)	2682	2.00000	2.021
68	1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	7074	2.00000	2.073
69	2-Chloro Toluene	91	12.301	12.301	(0.927)	7017	2.00000	2.131
70	4-Chloro Toluene	91	12.351	12.351	(0.930)	7810	2.00000	2.298
71	T-Butyl Benzene	119	12.653	12.653	(0.953)	6920	2.00000	2.112
72	1,2,4-Trimethylbenzene	105	12.703	12.703	(0.957)	7126	2.00000	2.080
73	S-Butyl Benzene	105	12.904	12.904	(0.972)	9867	2.00000	2.160
74	4-Isopropyl Toluene	119	13.055	13.055	(0.983)	7436	2.00000	2.077
75	1,3-Dichlorobenzene	146	13.196	13.196	(0.994)	4898	2.00000	2.104
* 76	d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	72018	50.0000	
77	1,4-Dichlorobenzene	146	13.316	13.316	(1.003)	4930	2.00000	2.127
78	N-Butyl Benzene	91	13.527	13.527	(1.019)	7277	2.00000	2.061
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.718	(1.033)	63605	50.0000	49.730
80	1,2-Dichlorobenzene	146	13.748	13.748	(1.036)	4685	2.00000	2.147
81	1,2-Dibromo 3-Chloropropane	75	14.663	14.663	(1.104)	606	2.00000	2.320
82	1,2,4-Trichlorobenzene	180	15.698	15.698	(1.182)	3294	2.00000	2.115
83	Hexachloro 1,3-Butadiene	225	15.859	15.859	(1.195)	1975	2.00000	2.208
84	Naphthalene	128	16.020	16.020	(1.207)	7878	2.00000	2.295
85	1,2,3-Trichlorobenzene	180	16.311	16.311	(1.229)	3489	2.00000	2.273

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem1/finn5.i/09MAR11.b/0020309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0020309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: VSTD2
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	91022	45511	182044	87996	-3.32
34 1,4-Difluorobenze	153104	76552	306208	142924	-6.65
52 d5-Chlorobenzene	143720	71860	287440	133027	-7.44
76 d4-1,4-Dichlorobe	77398	38699	154796	72018	-6.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.44	0.00
34 1,4-Difluorobenze	7.45	6.95	7.95	7.45	0.00
52 d5-Chlorobenzene	10.59	10.09	11.09	10.59	0.00
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	0.00

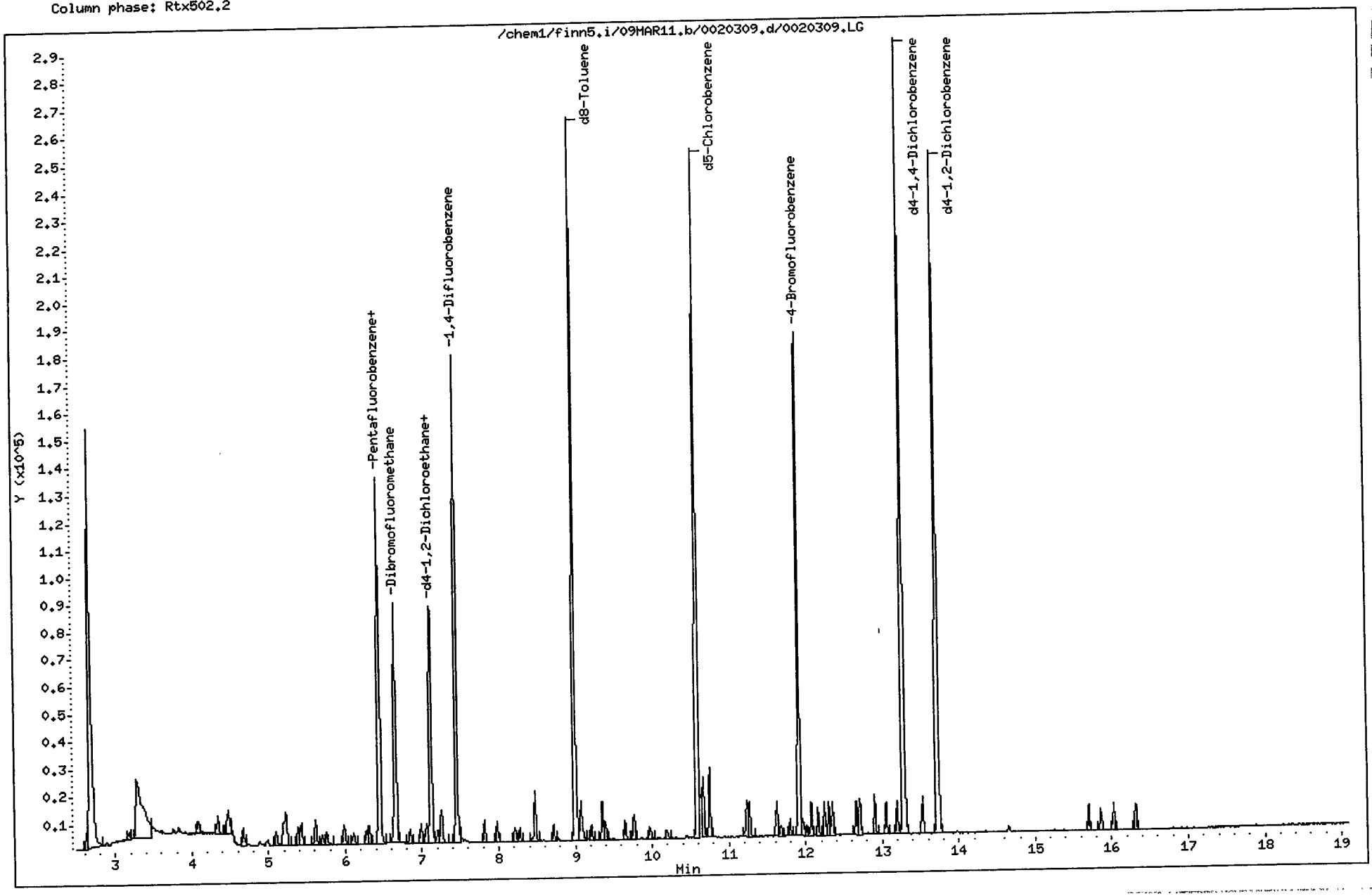
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/0020309.d
Date : 09-MAR-2011 16:51
Client ID: VSTD2
Sample Info: IC0309,5,5,0

Instrument: finn5.i

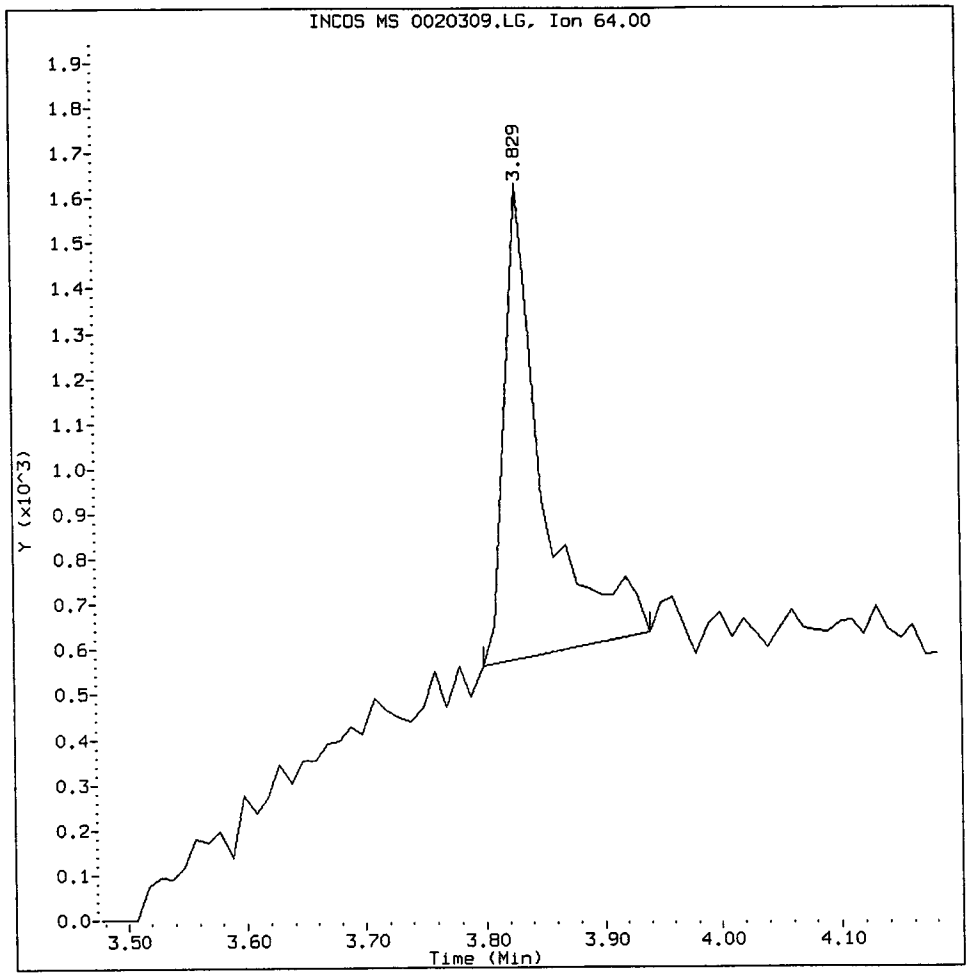
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



IC0309, /chem1/finn5.i/09MAR11.b/0020309.d

Chloroethane Amount: 1.84 Area: 2373



MANUAL INTEGRATION for Chloroethane

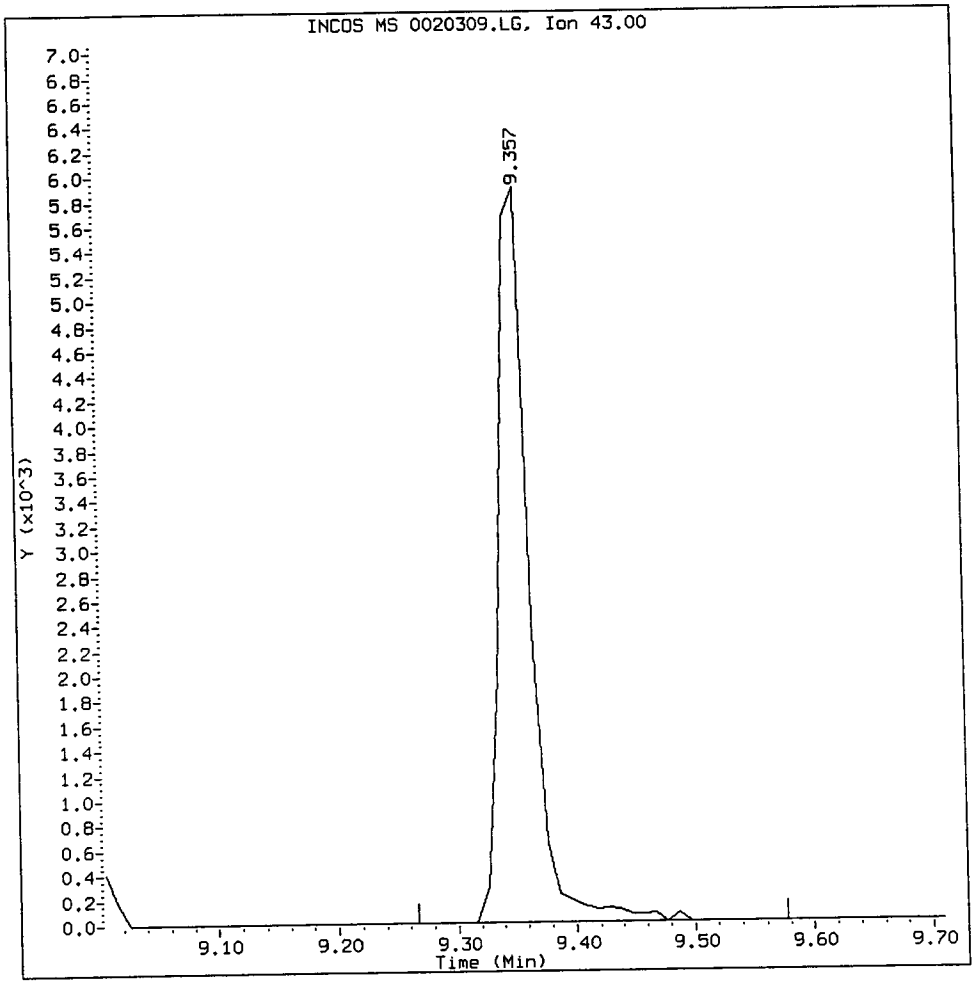
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/24

IC0309, /chem1/finn5.i/09MAR11.b/0020309.d

2-Hexanone Amount: 11.51 Area: 10812



MANUAL INTEGRATION for 2-Hexanone

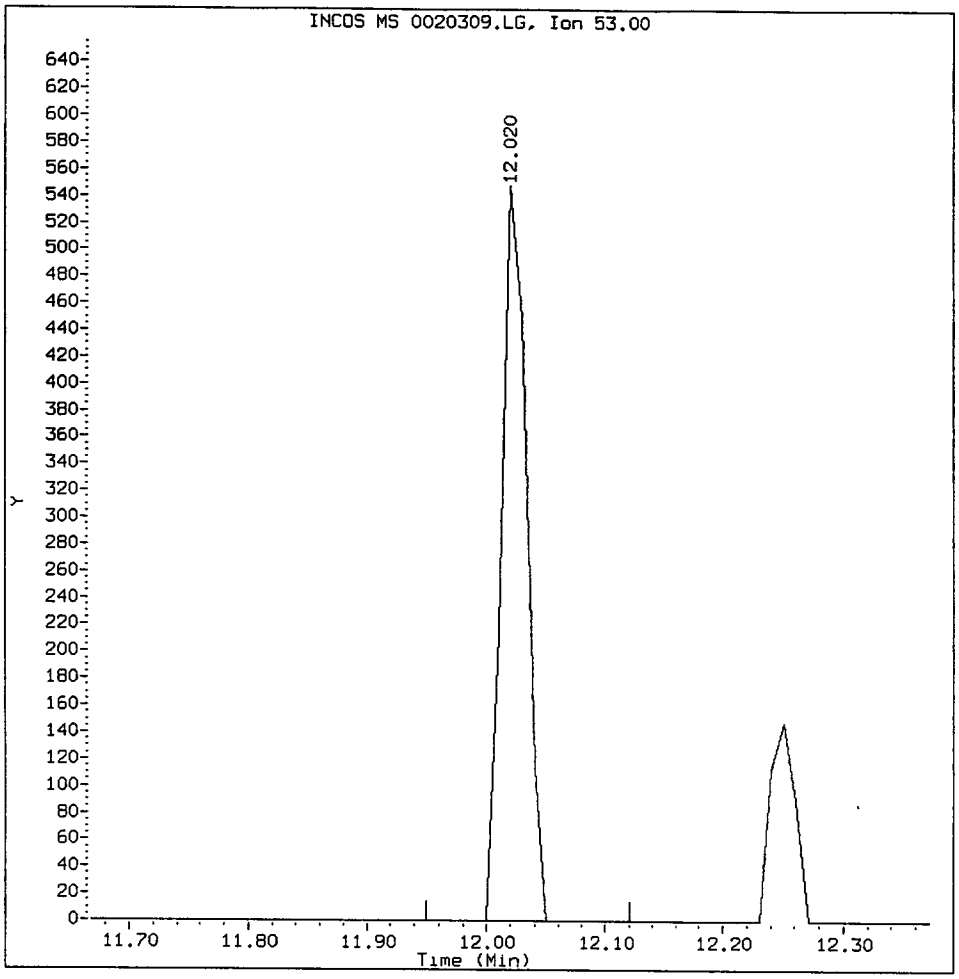
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/15/11

IC0309, /chem1/finn5.i/09MAR11.b/0020309.d

Trans-1,4-Dichloro 2-Butene Amount: 2.11 Area: 800



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: _____

CO-ELUTION SUMMARY FOR FILE - 0020309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Data File: /chem1/finn5.i/09MAR11.b/0050309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/0050309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD5
Inj Date : 09-MAR-2011 16:18
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 16:18 Cal File: 0050309.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	2.884	2.884	(0.448)	4688	5.00000	5.206
2 Chloromethane	50	3.176	3.176	(0.493)	8164	5.00000	5.197
3 Vinyl Chloride	62	3.276	3.276	(0.509)	10743	5.00000	5.494(Q)
4 Bromomethane	94	3.749	3.749	(0.582)	2677	5.00000	3.947
5 Chloroethane	64	3.819	3.819	(0.593)	8287	5.00000	6.362
6 Trichlorofluoromethane	101	4.070	4.070	(0.632)	9322	5.00000	5.260
7 Acrolein	56	4.462	4.462	(0.693)	7401	25.0000	27.044
8 112Trichloro122Trifluoroethane	101	4.472	4.472	(0.694)	7744	5.00000	5.489
9 Acetone	43	4.512	4.512	(0.700)	11545	25.0000	28.490
10 1,1-Dichloroethene	96	4.663	4.663	(0.724)	5150	5.00000	5.246
11 Bromoethane	108	4.874	4.874	(0.757)	4102	5.00000	5.320
12 Iodomethane	142	4.975	4.975	(0.772)	5016	5.00000	5.467
13 Methylene Chloride	84	5.095	5.095	(0.791)	6250	5.00000	5.328
14 Acrylonitrile	53	5.176	5.176	(0.803)	2404	5.00000	5.319(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	5.226	5.226	(0.811)	26828	5.00000	5.563 (Q)
	15 Carbon Disulfide	76	5.186	5.186	(0.805)	19593	5.00000	5.277
	17 Trans-1,2-Dichloroethene	96	5.377	5.377	(0.835)	5802	5.00000	5.127
	18 Vinyl Acetate	43	5.698	5.698	(0.885)	11135	5.00000	5.060
	19 1,1-Dichloroethane	63	5.749	5.749	(0.892)	10697	5.00000	5.202
	20 2-Butanone	43	6.100	6.100	(0.947)	16064	25.0000	27.453
	21 2,2-Dichloropropane	77	6.271	6.271	(0.973)	6789	5.00000	4.954
	22 Cis-1,2-Dichloroethene	96	6.311	6.311	(0.980)	6194	5.00000	5.160
*	23 Pentafluorobenzene	168	6.442	6.442	(1.000)	88818	50.0000	
	24 Chloroform	83	6.452	6.452	(1.002)	9760	5.00000	5.101 (Q)
	26 Bromochloromethane	128	6.613	6.613	(1.027)	3284	5.00000	5.229
$	25 Dibromofluoromethane	111	6.653	6.653	(1.033)	55157	50.0000	52.244 (Q)
	27 1,1,1-Trichloroethane	97	6.844	6.844	(1.062)	7277	5.00000	4.940
	29 1,1-Dichloropropene	75	6.985	6.985	(0.938)	7822	5.00000	4.968
	30 Carbon Tetrachloride	117	7.095	7.095	(0.953)	7238	5.00000	5.053
$	31 d4-1,2-Dichloroethane	65	7.115	7.115	(1.105)	52118	50.0000	53.294
	32 1,2-Dichloroethane	62	7.196	7.196	(0.966)	6880	5.00000	5.297
	33 Benzene	78	7.246	7.246	(0.973)	22027	5.00000	5.360
*	34 1,4-Difluorobenzene	114	7.447	7.447	(1.000)	146219	50.0000	
	35 Trichloroethene	95	7.809	7.809	(1.049)	6063	5.00000	5.030
	36 1,2-Dichloropropane	63	7.970	7.970	(1.070)	6443	5.00000	4.991
	37 Bromodichloromethane	83	8.211	8.211	(1.103)	7251	5.00000	4.956
	39 Dibromomethane	93	8.271	8.271	(1.111)	3928	5.00000	5.133
	40 2-Chloroethyl Vinyl Ether	63	8.432	8.432	(1.132)	1110	5.00000	3.991 (Q)
	41 4-Methyl-2-Pentanone	58	8.472	8.472	(1.138)	12201	25.0000	26.018
	42 Cis 1,3-dichloropropene	75	8.713	8.713	(1.170)	8215	5.00000	4.772
$	43 d8-Toluene	98	8.985	8.985	(1.206)	163775	50.0000	49.548
	44 Toluene	92	9.075	9.075	(1.219)	12880	5.00000	4.915
	45 Trans 1,3-Dichloropropene	75	9.206	9.206	(1.236)	6825	5.00000	4.688
	46 2-Hexanone	43	9.346	9.346	(0.883)	27639	25.0000	28.505 (M)
	47 1,1,2-Trichloroethane	97	9.387	9.387	(1.260)	5013	5.00000	5.168
	48 1,3-Dichloropropane	76	9.648	9.648	(0.912)	9168	5.00000	5.248
	49 Tetrachloroethene	166	9.759	9.759	(0.922)	6261	5.00000	4.942
	50 Chlorodibromomethane	129	9.970	9.970	(0.942)	6028	5.00000	4.838
	51 1,2-Dibromoethane	107	10.191	10.191	(1.368)	5551	5.00000	4.941
*	52 d5-Chlorobenzene	117	10.583	10.583	(1.000)	137327	50.0000	
	53 Chlorobenzene	112	10.633	10.633	(1.005)	14621	5.00000	5.149
	54 Ethyl Benzene	91	10.663	10.663	(1.008)	23477	5.00000	5.385
	55 1,1,1,2-Tetrachloroethane	131	10.653	10.653	(1.007)	5220	5.00000	4.951
	56 m,p-xylene	106	10.743	10.743	(1.015)	18246	10.0000	10.311
	57 o-Xylene	106	11.236	11.236	(1.062)	8911	5.00000	4.847
	58 Styrene	104	11.266	11.266	(1.065)	15061	5.00000	5.132
	59 Isopropyl Benzene	105	11.618	11.618	(0.876)	23320	5.00000	5.209
	60 Bromoform	173	11.668	11.668	(0.880)	4412	5.00000	4.958
	61 1,1,2,2-Tetrachloroethane	83	11.789	11.789	(0.889)	7732	5.00000	5.070
$	62 4-Bromofluorobenzene	95	11.909	11.909	(1.125)	71301	50.0000	50.582
	63 1,2,3-Trichloropropane	110	11.959	11.959	(0.902)	1932	5.00000	5.251 (Q)

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	12.020	12.020	(0.906)	2067	5.00000	5.204
66 N-Propyl Benzene	91	12.070	12.070	(0.910)	27048	5.00000	5.432
67 Bromobenzene	156	12.150	12.150	(0.916)	6774	5.00000	4.882
68 1,3,5-Trimethyl Benzene	105	12.241	12.241	(0.923)	17681	5.00000	4.954
69 2-Chloro Toluene	91	12.291	12.291	(0.926)	18280	5.00000	5.309
70 4-Chloro Toluene	91	12.341	12.341	(0.930)	18055	5.00000	5.081
71 T-Butyl Benzene	119	12.653	12.653	(0.954)	16841	5.00000	4.916
72 1,2,4-Trimethylbenzene	105	12.703	12.703	(0.958)	18351	5.00000	5.122
73 S-Butyl Benzene	105	12.894	12.894	(0.972)	24995	5.00000	5.234
74 4-Isopropyl Toluene	119	13.045	13.045	(0.983)	18811	5.00000	5.026
75 1,3-Dichlorobenzene	146	13.186	13.186	(0.994)	11882	5.00000	4.880
* 76 d4-1,4-Dichlorobenzene	152	13.266	13.266	(1.000)	75310	50.0000	
77 1,4-Dichlorobenzene	146	13.306	13.306	(1.003)	11960	5.00000	4.934
78 N-Butyl Benzene	91	13.517	13.517	(1.019)	18416	5.00000	4.988
$ 79 d4-1,2-Dichlorobenzene	152	13.708	13.708	(1.033)	66302	50.0000	49.572
80 1,2-Dichlorobenzene	146	13.748	13.748	(1.036)	11425	5.00000	5.007
81 1,2-Dibromo 3-Chloropropane	75	14.653	14.653	(1.105)	1484	5.00000	5.434
82 1,2,4-Trichlorobenzene	180	15.698	15.698	(1.183)	8198	5.00000	5.034
83 Hexachloro 1,3-Butadiene	225	15.849	15.849	(1.195)	4642	5.00000	4.962
84 Naphthalene	128	16.020	16.020	(1.208)	19726	5.00000	5.495
85 1,2,3-Trichlorobenzene	180	16.311	16.311	(1.230)	8454	5.00000	5.266

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: /chem1/finn5.i/09MAR11.b/0050309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0050309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: VSTD5
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	91022	45511	182044	88818	-2.42
34 1,4-Difluorobenze	153104	76552	306208	146219	-4.50
52 d5-Chlorobenzene	143720	71860	287440	137327	-4.45
76 d4-1,4-Dichlorobe	77398	38699	154796	75310	-2.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.44	0.00
34 1,4-Difluorobenze	7.45	6.95	7.95	7.45	0.00
52 d5-Chlorobenzene	10.59	10.09	11.09	10.58	-0.09
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.27	-0.08

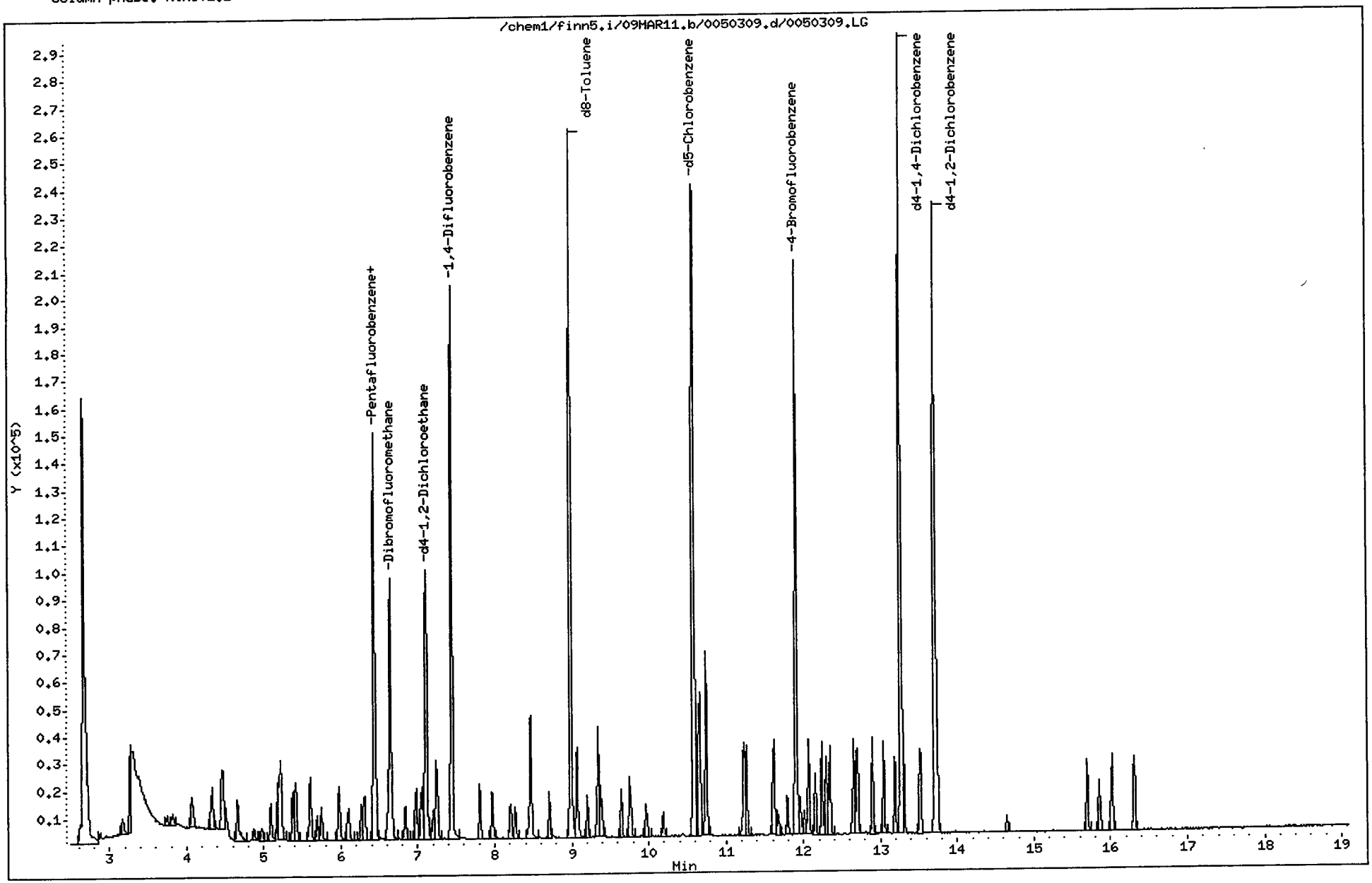
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/0050309.d
Date : 09-MAR-2011 16:18
Client ID: VSTD5
Sample Info: IC0309,5,5,0

Instrument: finn5.i

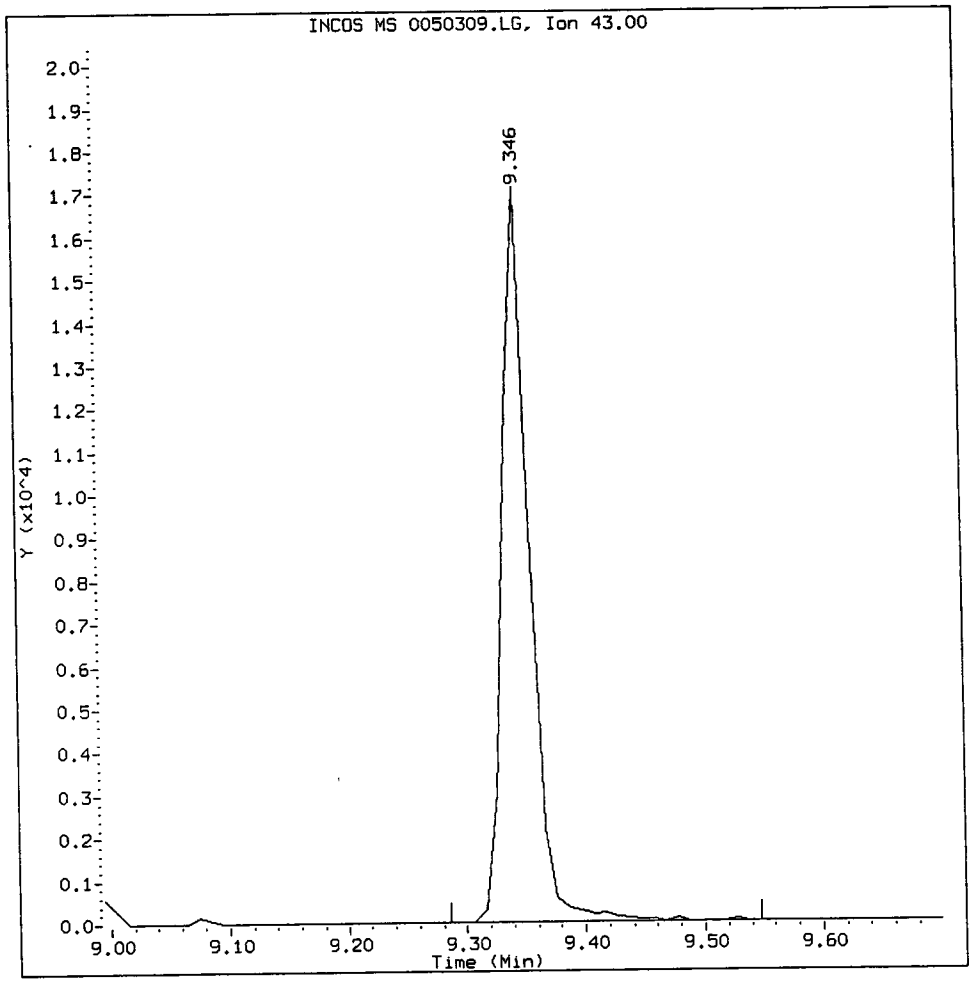
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



IC0309, /chem1/finn5.i/09MAR11.b/0050309.d

2-Hexanone Amount: 28.51 Area: 27639



MANUAL INTEGRATION for 2-Hexanone

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 3/10/11

:O-ELUTION SUMMARY FOR FILE - 0050309.d

.ab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/0100309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD10
Inj Date : 09-MAR-2011 15:50
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 15:50 Cal File: 0100309.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)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	2.894	2.894	(0.449)	9444	10.0000	9.680
2 Chloromethane	50	3.176	3.176	(0.492)	15773	10.0000	9.269
3 Vinyl Chloride	62	3.286	3.286	(0.509)	20276	10.0000	9.572(Q)
4 Bromomethane	94	3.759	3.759	(0.583)	6390	10.0000	8.698
5 Chloroethane	64	3.829	3.829	(0.593)	16729	10.0000	11.856
6 Trichlorofluoromethane	101	4.080	4.080	(0.632)	19743	10.0000	10.283
7 Acrolein	56	4.472	4.472	(0.693)	15354	50.0000	51.792
8 112Trichloro122Trifluoroethane	101	4.482	4.482	(0.695)	15792	10.0000	10.334
9 Acetone	43	4.522	4.522	(0.701)	22354	50.0000	50.922
10 1,1-Dichloroethene	96	4.673	4.673	(0.724)	11272	10.0000	10.600
11 Bromoethane	108	4.884	4.884	(0.757)	8314	10.0000	9.954
12 Iodomethane	142	4.985	4.985	(0.773)	8616	10.0000	8.669
13 Methylene Chloride	84	5.105	5.105	(0.791)	13124	10.0000	10.328
14 Acrylonitrile	53	5.196	5.196	(0.805)	5221	10.0000	10.664(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	5.236	5.236	(0.812)	57077	10.0000	10.925(Q)
	15 Carbon Disulfide	76	5.196	5.196	(0.805)	40457	10.0000	10.059
	17 Trans-1,2-Dichloroethene	96	5.387	5.387	(0.835)	12485	10.0000	10.184
	18 Vinyl Acetate	43	5.708	5.708	(0.885)	23967	10.0000	10.054
	19 1,1-Dichloroethane	63	5.759	5.759	(0.893)	22376	10.0000	10.044
	20 2-Butanone	43	6.110	6.110	(0.947)	33819	50.0000	53.353
	21 2,2-Dichloropropane	77	6.281	6.281	(0.974)	14611	10.0000	9.843
	22 Cis-1,2-Dichloroethene	96	6.321	6.321	(0.980)	13615	10.0000	10.471
*	23 Pentafluorobenzene	168	6.452	6.452	(1.000)	96215	50.0000	
	24 Chloroform	83	6.462	6.462	(1.002)	21175	10.0000	10.216
	26 Bromochloromethane	128	6.623	6.623	(1.026)	6811	10.0000	10.011
$	25 Dibromofluoromethane	111	6.663	6.663	(1.033)	58072	50.0000	50.776(Q)
	27 1,1,1-Trichloroethane	97	6.854	6.854	(1.062)	16116	10.0000	10.098
	29 1,1-Dichloropropene	75	6.995	6.995	(0.938)	16557	10.0000	10.089
	30 Carbon Tetrachloride	117	7.105	7.105	(0.953)	14903	10.0000	9.980
$	31 d4-1,2-Dichloroethane	65	7.125	7.125	(1.104)	57397	50.0000	54.180
	32 1,2-Dichloroethane	62	7.216	7.216	(0.968)	14388	10.0000	10.626
	33 Benzene	78	7.256	7.256	(0.973)	46789	10.0000	10.922
*	34 1,4-Difluorobenzene	114	7.457	7.457	(1.000)	152421	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.049)	12821	10.0000	10.203
	36 1,2-Dichloropropane	63	7.990	7.990	(1.071)	14037	10.0000	10.431
	37 Bromodichloromethane	83	8.221	8.221	(1.102)	15399	10.0000	10.098
	39 Dibromomethane	93	8.281	8.281	(1.111)	8498	10.0000	10.654
	40 2-Chloroethyl Vinyl Ether	63	8.442	8.442	(1.132)	2760	10.0000	9.520(Q)
	41 4-Methyl-2-Pentanone	58	8.482	8.482	(1.137)	27341	50.0000	55.930
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.170)	17736	10.0000	9.883
$	43 d8-Toluene	98	9.005	9.005	(1.208)	175093	50.0000	50.816
	44 Toluene	92	9.085	9.085	(1.218)	28173	10.0000	10.314
	45 Trans 1,3-Dichloropropene	75	9.216	9.216	(1.236)	14913	10.0000	9.826
	46 2-Hexanone	43	9.357	9.357	(0.882)	62536	50.0000	58.680
	47 1,1,2-Trichloroethane	97	9.397	9.397	(1.260)	10523	10.0000	10.407
	48 1,3-Dichloropropane	76	9.658	9.658	(0.911)	19351	10.0000	10.079
	49 Tetrachloroethene	166	9.769	9.769	(0.921)	13484	10.0000	9.684
	50 Chlorodibromomethane	129	9.980	9.980	(0.941)	13035	10.0000	9.518
	51 1,2-Dibromoethane	107	10.201	10.201	(1.368)	11964	10.0000	10.215
*	52 d5-Chlorobenzene	117	10.603	10.603	(1.000)	150937	50.0000	
	53 Chlorobenzene	112	10.643	10.643	(1.004)	31652	10.0000	10.142
	54 Ethyl Benzene	91	10.673	10.673	(1.007)	51241	10.0000	10.693
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.663	(1.006)	11385	10.0000	9.824
	56 m,p-xylene	106	10.753	10.753	(1.014)	39787	20.0000	20.457
	57 o-Xylene	106	11.246	11.246	(1.061)	19886	10.0000	9.841
	58 Styrene	104	11.276	11.276	(1.063)	32989	10.0000	10.228
	59 Isopropyl Benzene	105	11.628	11.628	(0.876)	50786	10.0000	10.298
	60 Bromoform	173	11.678	11.678	(0.880)	9524	10.0000	9.715
	61 1,1,2,2-Tetrachloroethane	83	11.809	11.809	(0.889)	17158	10.0000	10.212
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.124)	79831	50.0000	51.527
	63 1,2,3-Trichloropropane	110	11.980	11.980	(0.902)	4211	10.0000	10.391

	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	12.030	12.030	(0.906)	4354	10.0000	9.952
66	N-Propyl Benzene	91	12.080	12.080	(0.910)	58463	10.0000	10.658
67	Bromobenzene	156	12.160	12.160	(0.916)	15034	10.0000	9.835
68	1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	39297	10.0000	9.996
69	2-Chloro Toluene	91	12.311	12.311	(0.927)	39581	10.0000	10.436
70	4-Chloro Toluene	91	12.351	12.351	(0.930)	39810	10.0000	10.171
71	T-Butyl Benzene	119	12.663	12.663	(0.954)	37343	10.0000	9.897
72	1,2,4-Trimethylbenzene	105	12.713	12.713	(0.958)	40068	10.0000	10.153
73	S-Butyl Benzene	105	12.904	12.904	(0.972)	55620	10.0000	10.573
74	4-Isopropyl Toluene	119	13.055	13.055	(0.983)	41760	10.0000	10.128
75	1,3-Dichlorobenzene	146	13.196	13.196	(0.994)	26146	10.0000	9.749
* 76	d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	82958	50.0000	
77	1,4-Dichlorobenzene	146	13.316	13.316	(1.003)	25730	10.0000	9.637
78	N-Butyl Benzene	91	13.537	13.537	(1.020)	41567	10.0000	10.221
$ 79	d4-1,2-Dichlorobenzene	152	13.728	13.728	(1.034)	73423	50.0000	49.836
80	1,2-Dichlorobenzene	146	13.758	13.758	(1.036)	25019	10.0000	9.953
81	1,2-Dibromo 3-Chloropropane	75	14.663	14.663	(1.104)	3223	10.0000	10.713
82	1,2,4-Trichlorobenzene	180	15.708	15.708	(1.183)	17992	10.0000	10.031
83	Hexachloro 1,3-Butadiene	225	15.859	15.859	(1.195)	10856	10.0000	10.534
84	Naphthalene	128	16.030	16.030	(1.207)	44516	10.0000	11.257
85	1,2,3-Trichlorobenzene	180	16.321	16.321	(1.229)	18907	10.0000	10.692

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: 0100309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: VSTD10
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	91022	45511	182044	96215	5.71
34 1,4-Difluorobenze	153104	76552	306208	152421	-0.45
52 d5-Chlorobenzene	143720	71860	287440	150937	5.02
76 d4-1,4-Dichlorobe	77398	38699	154796	82958	7.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.45	0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.46	0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.60	0.09
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	0.00

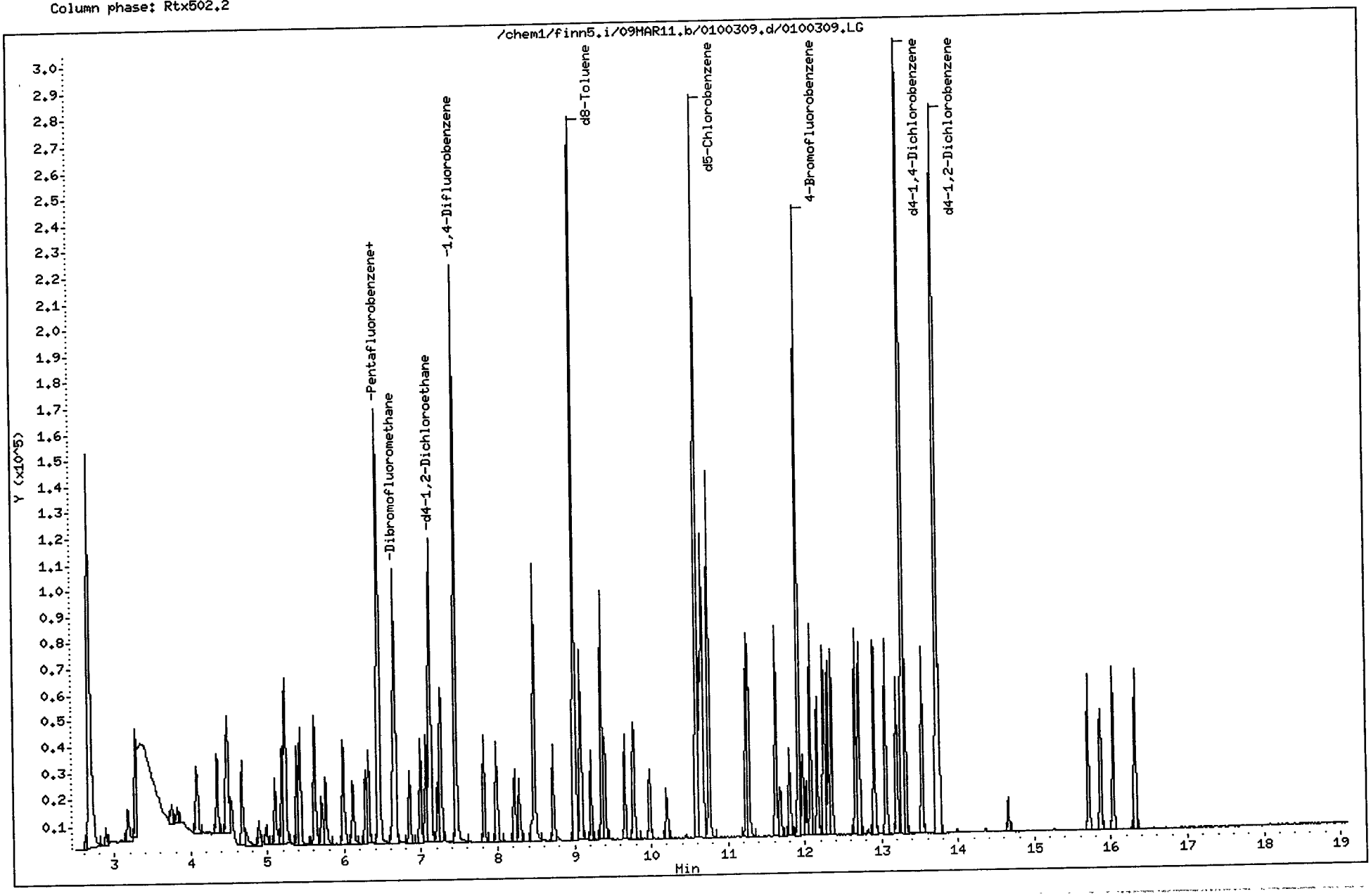
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/0100309.d
Date : 09-MAR-2011 15:50
Client ID: VSTD10
Sample Info: IC0309,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - 0100309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/0500309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD50
Inj Date : 09-MAR-2011 15:22
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 15:22 Cal File: 0500309.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)	ON-COL (ug/Kg)
1	Dichlorodifluoromethane	85	2.884	2.884	(0.448)	49516	50.0000	53.652
2	Chloromethane	50	3.176	3.176	(0.493)	75061	50.0000	46.626
3	Vinyl Chloride	62	3.276	3.276	(0.509)	104779	50.0000	52.286
4	Bromomethane	94	3.759	3.759	(0.583)	32989	50.0000	47.465
5	Chloroethane	64	3.829	3.829	(0.594)	62670	50.0000	46.947
6	Trichlorofluoromethane	101	4.080	4.080	(0.633)	89679	50.0000	49.372
7	Acrolein	56	4.462	4.462	(0.693)	71616	250.000	255.36
8	112Trichloro122Trifluoroethane	101	4.472	4.472	(0.694)	70900	50.0000	49.041
9	Acetone	43	4.522	4.522	(0.702)	98453	250.000	237.07
10	1,1-Dichloroethene	96	4.673	4.673	(0.725)	49321	50.0000	49.025
11	Bromoethane	108	4.884	4.884	(0.758)	40921	50.0000	51.787
12	Iodomethane	142	4.985	4.985	(0.774)	52308	50.0000	55.634
13	Methylene Chloride	84	5.095	5.095	(0.791)	59659	50.0000	49.628
14	Acrylonitrile	53	5.186	5.186	(0.805)	23430	50.0000	50.585

	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	5.226	5.226	(0.811)	263067	50.0000	53.227
	15 Carbon Disulfide	76	5.196	5.196	(0.807)	192920	50.0000	50.703
	17 Trans-1,2-Dichloroethene	96	5.377	5.377	(0.835)	56487	50.0000	48.706
	18 Vinyl Acetate	43	5.708	5.708	(0.886)	113676	50.0000	50.408
	19 1,1-Dichloroethane	63	5.759	5.759	(0.894)	106850	50.0000	50.699
	20 2-Butanone	43	6.100	6.100	(0.947)	155263	250.000	258.92
	21 2,2-Dichloropropane	77	6.271	6.271	(0.973)	71576	50.0000	50.969
	22 Cis-1,2-Dichloroethene	96	6.311	6.311	(0.980)	61152	50.0000	49.715
*	23 Pentafluorobenzene	168	6.442	6.442	(1.000)	91022	50.0000	
	24 Chloroform	83	6.462	6.462	(1.003)	97860	50.0000	49.909
	26 Bromochloromethane	128	6.623	6.623	(1.028)	32786	50.0000	50.938
$	25 Dibromofluoromethane	111	6.653	6.653	(1.033)	54988	50.0000	50.823
	27 1,1,1-Trichloroethane	97	6.844	6.844	(1.062)	77324	50.0000	51.216
	29 1,1-Dichloropropene	75	6.985	6.985	(0.938)	80021	50.0000	48.543
	30 Carbon Tetrachloride	117	7.105	7.105	(0.954)	72488	50.0000	48.326
$	31 d4-1,2-Dichloroethane	65	7.115	7.115	(1.105)	51586	50.0000	51.473
	32 1,2-Dichloroethane	62	7.206	7.206	(0.968)	66943	50.0000	49.220
	33 Benzene	78	7.256	7.256	(0.974)	219870	50.0000	51.096
*	34 1,4-Difluorobenzene	114	7.447	7.447	(1.000)	153104	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.050)	61657	50.0000	48.848
	36 1,2-Dichloropropane	63	7.980	7.980	(1.072)	67104	50.0000	49.641
	37 Bromodichloromethane	83	8.211	8.211	(1.103)	76336	50.0000	49.834
	39 Dibromomethane	93	8.281	8.281	(1.112)	39833	50.0000	49.716
	40 2-Chloroethyl Vinyl Ether	63	8.432	8.432	(1.132)	13305	50.0000	45.690
	41 4-Methyl-2-Pentanone	58	8.472	8.472	(1.138)	128402	250.000	261.49
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.171)	91723	50.0000	50.883
$	43 d8-Toluene	98	8.995	8.995	(1.208)	171700	50.0000	49.609
	44 Toluene	92	9.075	9.075	(1.219)	135178	50.0000	49.267
	45 Trans 1,3-Dichloropropene	75	9.206	9.206	(1.236)	76595	50.0000	50.241
	46 2-Hexanone	43	9.346	9.346	(0.882)	274788	250.000	270.79
	47 1,1,2-Trichloroethane	97	9.387	9.387	(1.260)	49677	50.0000	48.910
	48 1,3-Dichloropropane	76	9.648	9.648	(0.911)	93469	50.0000	51.128
	49 Tetrachloroethene	166	9.769	9.769	(0.922)	64191	50.0000	48.416
	50 Chlorodibromomethane	129	9.970	9.970	(0.941)	65095	50.0000	49.920
	51 1,2-Dibromoethane	107	10.191	10.191	(1.368)	58696	50.0000	49.894
*	52 d5-Chlorobenzene	117	10.593	10.593	(1.000)	143720	50.0000	
	53 Chlorobenzene	112	10.633	10.633	(1.004)	147035	50.0000	49.478
	54 Ethyl Benzene	91	10.673	10.673	(1.008)	241040	50.0000	52.826
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.663	(1.007)	53440	50.0000	48.429
	56 m,p-xylene	106	10.753	10.753	(1.015)	187093	100.000	101.03
	57 o-Xylene	106	11.236	11.236	(1.061)	95635	50.0000	49.704
	58 Styrene	104	11.266	11.266	(1.064)	152705	50.0000	49.725
	59 Isopropyl Benzene	105	11.618	11.618	(0.875)	242753	50.0000	52.759
	60 Bromoform	173	11.678	11.678	(0.880)	45488	50.0000	49.736
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.799	(0.889)	78083	50.0000	49.814
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.125)	74474	50.0000	50.483
	63 1,2,3-Trichloropropane	110	11.970	11.970	(0.902)	18721	50.0000	49.514

	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	12.020	12.020	(0.905)	20135	50.0000	49.329
	66 N-Propyl Benzene	91	12.070	12.070	(0.909)	276002	50.0000	53.934
	67 Bromobenzene	156	12.160	12.160	(0.916)	68356	50.0000	47.930
	68 1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	188948	50.0000	51.513
	69 2-Chloro Toluene	91	12.301	12.301	(0.927)	170472	50.0000	48.174
	70 4-Chloro Toluene	91	12.351	12.351	(0.930)	185813	50.0000	50.884
	71 T-Butyl Benzene	119	12.653	12.653	(0.953)	174332	50.0000	49.521
	72 1,2,4-Trimethylbenzene	105	12.703	12.703	(0.957)	188064	50.0000	51.080
	73 S-Butyl Benzene	105	12.904	12.904	(0.972)	259044	50.0000	52.778
	74 4-Isopropyl Toluene	119	13.045	13.045	(0.983)	198898	50.0000	51.704
	75 1,3-Dichlorobenzene	146	13.196	13.196	(0.994)	120481	50.0000	48.149
*	76 d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	77398	50.0000	
	77 1,4-Dichlorobenzene	146	13.306	13.306	(1.002)	117973	50.0000	47.359
	78 N-Butyl Benzene	91	13.527	13.527	(1.019)	197954	50.0000	52.174
$	79 d4-1,2-Dichlorobenzene	152	13.718	13.718	(1.033)	69685	50.0000	50.696
	80 1,2-Dichlorobenzene	146	13.748	13.748	(1.036)	112094	50.0000	47.797
	81 1,2-Dibromo 3-Chloropropane	75	14.653	14.653	(1.104)	13668	50.0000	48.696
	82 1,2,4-Trichlorobenzene	180	15.698	15.698	(1.182)	82354	50.0000	49.211
	83 Hexachloro 1,3-Butadiene	225	15.859	15.859	(1.195)	44935	50.0000	46.734
	84 Naphthalene	128	16.020	16.020	(1.207)	187007	50.0000	50.687
	85 1,2,3-Trichlorobenzene	180	16.311	16.311	(1.229)	79113	50.0000	47.951

Data File: /chem1/finn5.i/09MAR11.b/0500309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0500309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: VSTD50
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	91022	45511	182044	91022	0.00
34 1,4-Difluorobenze	153104	76552	306208	153104	0.00
52 d5-Chlorobenzene	143720	71860	287440	143720	0.00
76 d4-1,4-Dichlorobe	77398	38699	154796	77398	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.44	0.00
34 1,4-Difluorobenze	7.45	6.95	7.95	7.45	0.00
52 d5-Chlorobenzene	10.59	10.09	11.09	10.59	0.00
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	0.00

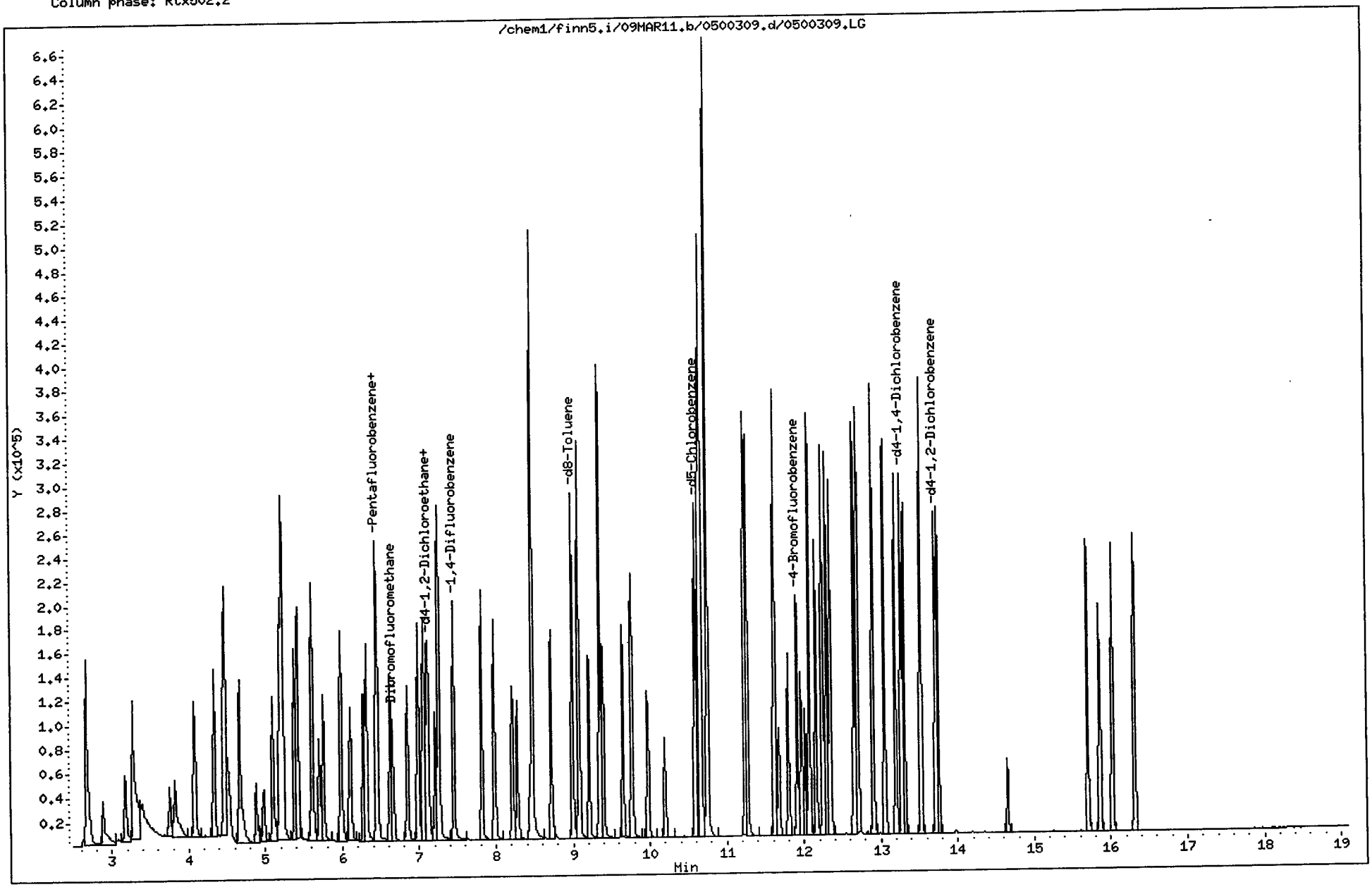
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/0500309.d
Date : 09-MAR-2011 15:22
Client ID: VSTD50
Sample Info: IC0309,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - 0500309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/1000309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD100
Inj Date : 09-MAR-2011 14:55
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 14:55 Cal File: 1000309.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	2.874	2.874	(0.447)	101882	100.000	101.00
2 Chloromethane	50	3.156	3.156	(0.491)	159069	100.000	90.407
3 Vinyl Chloride	62	3.266	3.266	(0.508)	193055	100.000	88.146
4 Bromomethane	94	3.739	3.739	(0.581)	85118	100.000	112.05
5 Chloroethane	64	3.809	3.809	(0.592)	133531	100.000	91.525
6 Trichlorofluoromethane	101	4.060	4.060	(0.631)	190813	100.000	96.119
7 Acrolein	56	4.452	4.452	(0.692)	148254	500.000	483.67
8 112Trichloro122Trifluoroethane	101	4.462	4.462	(0.694)	149706	100.000	94.746
9 Acetone	43	4.502	4.502	(0.700)	199512	500.000	439.57
10 1,1-Dichloroethene	96	4.653	4.653	(0.723)	108647	100.000	98.812
11 Bromoethane	108	4.864	4.864	(0.756)	87187	100.000	100.96
12 Iodomethane	142	4.965	4.965	(0.772)	103623	100.000	100.84
13 Methylene Chloride	84	5.085	5.085	(0.791)	127145	100.000	96.775
14 Acrylonitrile	53	5.176	5.176	(0.805)	49765	100.000	98.306(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	5.216	5.216	(0.811)	557782	100.000	103.26(Q)
	15 Carbon Disulfide	76	5.176	5.176	(0.805)	410266	100.000	98.657
	17 Trans-1,2-Dichloroethene	96	5.367	5.367	(0.834)	125143	100.000	98.730
	18 Vinyl Acetate	43	5.688	5.688	(0.884)	252668	100.000	102.52
	19 1,1-Dichloroethane	63	5.739	5.739	(0.892)	228308	100.000	99.118
	20 2-Butanone	43	6.090	6.090	(0.947)	331375	500.000	505.62
	21 2,2-Dichloropropane	77	6.261	6.261	(0.973)	157835	100.000	102.84
	22 Cis-1,2-Dichloroethene	96	6.301	6.301	(0.980)	134440	100.000	100.00
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	99481	50.0000	
	24 Chloroform	83	6.442	6.442	(1.002)	215220	100.000	100.43
	26 Bromochloromethane	128	6.603	6.603	(1.027)	71415	100.000	101.52
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	58775	50.0000	49.704(Q)
	27 1,1,1-Trichloroethane	97	6.834	6.834	(1.062)	170558	100.000	103.36
	29 1,1-Dichloropropene	75	6.975	6.975	(0.938)	175406	100.000	101.55
	30 Carbon Tetrachloride	117	7.085	7.085	(0.953)	156467	100.000	99.554
$	31 d4-1,2-Dichloroethane	65	7.105	7.105	(1.105)	52833	50.0000	48.234
	32 1,2-Dichloroethane	62	7.196	7.196	(0.968)	143771	100.000	100.88
	33 Benzene	78	7.236	7.236	(0.973)	456083	100.000	101.15
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	160423	50.0000	
	35 Trichloroethene	95	7.799	7.799	(1.049)	136947	100.000	103.55
	36 1,2-Dichloropropane	63	7.970	7.970	(1.072)	146047	100.000	103.11
	37 Bromodichloromethane	83	8.201	8.201	(1.103)	165051	100.000	102.83
	39 Dibromomethane	93	8.271	8.271	(1.112)	84606	100.000	100.78
	40 2-Chloroethyl Vinyl Ether	63	8.422	8.422	(1.132)	32001	100.000	104.88(Q)
	41 4-Methyl-2-Pentanone	58	8.462	8.462	(1.138)	276012	500.000	536.46(Q)
	42 Cis 1,3-dichloropropene	75	8.703	8.703	(1.170)	204857	100.000	108.46
$	43 d8-Toluene	98	8.975	8.975	(1.207)	183254	50.0000	50.532
	44 Toluene	92	9.065	9.065	(1.219)	298279	100.000	103.75
	45 Trans 1,3-Dichloropropene	75	9.196	9.196	(1.236)	173928	100.000	108.88
	46 2-Hexanone	43	9.336	9.336	(0.882)	504918	500.000	454.06
	47 1,1,2-Trichloroethane	97	9.377	9.377	(1.261)	109553	100.000	102.94
	48 1,3-Dichloropropane	76	9.638	9.638	(0.911)	203537	100.000	101.60
	49 Tetrachloroethene	166	9.748	9.748	(0.921)	144405	100.000	99.390
	50 Chlorodibromomethane	129	9.960	9.960	(0.941)	145154	100.000	101.58
	51 1,2-Dibromoethane	107	10.181	10.181	(1.369)	129681	100.000	105.20
*	52 d5-Chlorobenzene	117	10.583	10.583	(1.000)	157496	50.0000	
	53 Chlorobenzene	112	10.623	10.623	(1.004)	326911	100.000	100.38
	54 Ethyl Benzene	91	10.653	10.653	(1.007)	511234	100.000	102.24
	55 1,1,1,2-Tetrachloroethane	131	10.653	10.653	(1.007)	120530	100.000	99.673
	56 m,p-xylene	106	10.733	10.733	(1.014)	421041	200.000	207.47(Q)
	57 o-Xylene	106	11.226	11.226	(1.061)	216478	100.000	102.67
	58 Styrene	104	11.256	11.256	(1.064)	348389	100.000	103.52
	59 Isopropyl Benzene	105	11.608	11.608	(0.876)	524133	100.000	103.20
	60 Bromoform	173	11.658	11.658	(0.879)	105192	100.000	104.20
	61 1,1,2,2-Tetrachloroethane	83	11.789	11.789	(0.889)	171943	100.000	99.378
$	62 4-Bromofluorobenzene	95	11.899	11.899	(1.124)	81421	50.0000	50.365
	63 1,2,3-Trichloropropane	110	11.959	11.959	(0.902)	41683	100.000	99.876

	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	12.010	12.010	(0.906)	45287	100.000	100.52
	66 N-Propyl Benzene	91	12.060	12.060	(0.910)	562649	100.000	99.608
	67 Bromobenzene	156	12.150	12.150	(0.917)	158561	100.000	100.72
	68 1,3,5-Trimethyl Benzene	105	12.231	12.231	(0.923)	428507	100.000	105.84
	69 2-Chloro Toluene	91	12.291	12.291	(0.927)	393171	100.000	100.66
	70 4-Chloro Toluene	91	12.331	12.331	(0.930)	401421	100.000	99.589
	71 T-Butyl Benzene	119	12.643	12.643	(0.954)	401350	100.000	103.29
	72 1,2,4-Trimethylbenzene	105	12.693	12.693	(0.958)	422465	100.000	103.95
	73 S-Butyl Benzene	105	12.884	12.884	(0.972)	556976	100.000	102.81
	74 4-Isopropyl Toluene	119	13.035	13.035	(0.983)	449752	100.000	105.92
	75 1,3-Dichlorobenzene	146	13.176	13.176	(0.994)	275328	100.000	99.685
*	76 d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	85432	50.0000	
	77 1,4-Dichlorobenzene	146	13.296	13.296	(1.003)	271928	100.000	98.896
	78 N-Butyl Benzene	91	13.517	13.517	(1.020)	447784	100.000	106.92
$	79 d4-1,2-Dichlorobenzene	152	13.708	13.708	(1.034)	77002	50.0000	50.751
	80 1,2-Dichlorobenzene	146	13.738	13.738	(1.036)	255978	100.000	98.885
	81 1,2-Dibromo 3-Chloropropane	75	14.643	14.643	(1.105)	29536	100.000	95.335
	82 1,2,4-Trichlorobenzene	180	15.688	15.688	(1.183)	184257	100.000	99.749
	83 Hexachloro 1,3-Butadiene	225	15.849	15.849	(1.196)	101551	100.000	95.684
	84 Naphthalene	128	16.010	16.010	(1.208)	396257	100.000	97.302
	85 1,2,3-Trichlorobenzene	180	16.301	16.301	(1.230)	172629	100.000	94.793

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: 1000309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
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	91022	45511	182044	99481	9.29
34 1,4-Difluorobenze	153104	76552	306208	160423	4.78
52 d5-Chlorobenzene	143720	71860	287440	157496	9.59
76 d4-1,4-Dichlorobe	77398	38699	154796	85432	10.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.43	-0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.44	-0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.58	-0.09
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.26	-0.15

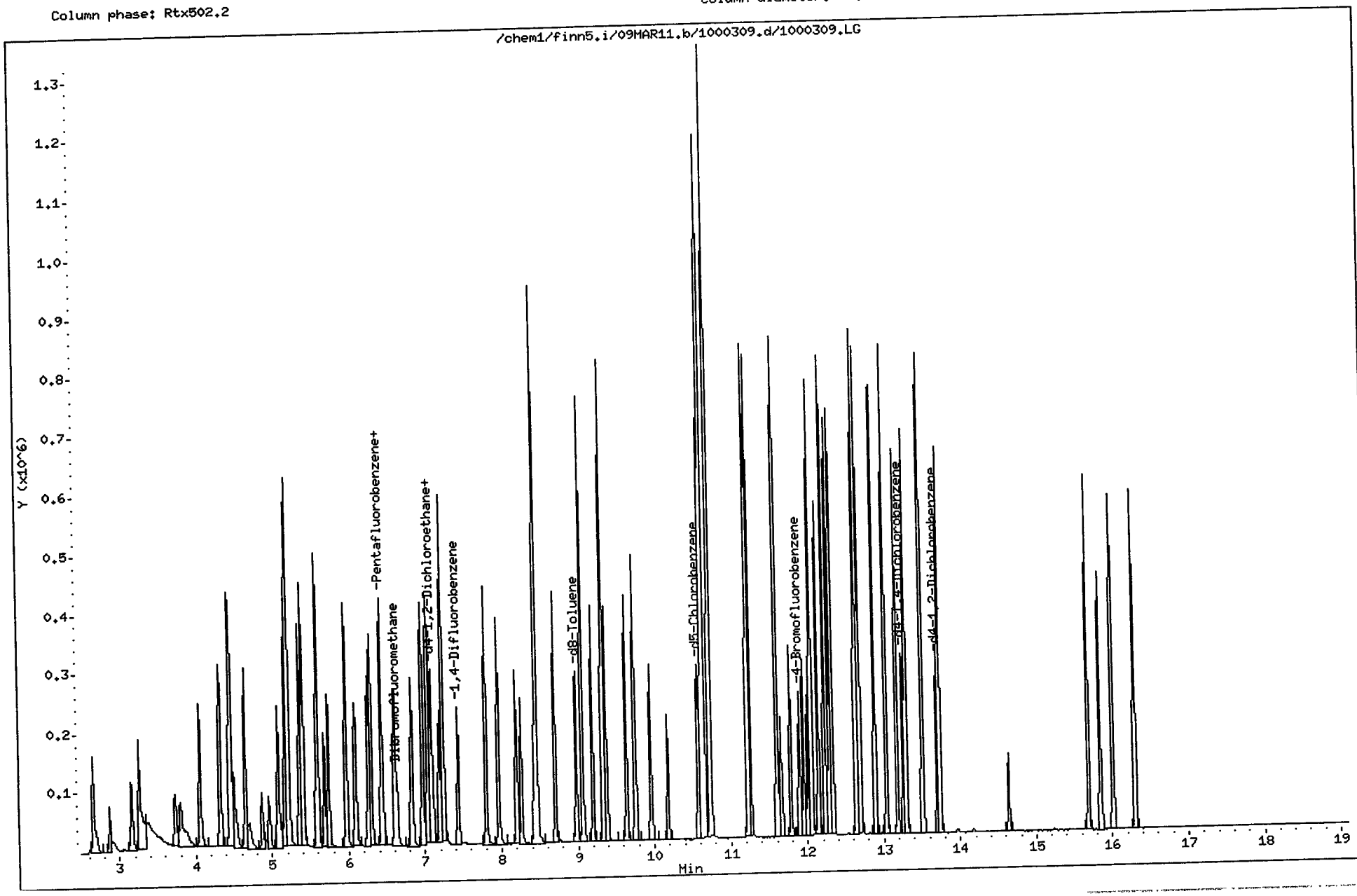
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/1000309.d
Date : 09-MAR-2011 14:55
Client ID: VSTD100
Sample Info: IC0309,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



O-ELUTION SUMMARY FOR FILE - 1000309.d

ab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS
10.653	1,1,1,2-Tetrachloroethane and Ethyl Benzene

Data File: /chem1/finn5.i/09MAR11.b/1500309.d
Report Date: 10-Mar-2011 09:38

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/1500309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD150
Inj Date : 09-MAR-2011 14:27
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 14:27 Cal File: 1500309.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	2.894	2.894	(0.449)	153132	150.000	152.98
2 Chloromethane	50	3.186	3.186	(0.494)	247044	150.000	141.48
3 Vinyl Chloride	62	3.276	3.276	(0.508)	270854	150.000	124.62
4 Bromomethane	94	3.749	3.749	(0.581)	133651	150.000	177.30
5 Chloroethane	64	3.819	3.819	(0.592)	197735	150.000	136.57
6 Trichlorofluoromethane	101	4.080	4.080	(0.632)	294457	150.000	149.47
7 Acrolein	56	4.472	4.472	(0.693)	217558	750.000	715.22
8 112Trichloro122Trifluoroethane	101	4.472	4.472	(0.693)	231063	150.000	147.36
9 Acetone	43	4.533	4.533	(0.702)	286887	750.000	636.93
10 1,1-Dichloroethene	96	4.673	4.673	(0.724)	168709	150.000	154.62
11 Bromoethane	108	4.884	4.884	(0.757)	130231	150.000	151.96
12 Iodomethane	142	4.985	4.985	(0.773)	144050	150.000	141.26
13 Methylene Chloride	84	5.105	5.105	(0.791)	191848	150.000	147.14
14 Acrylonitrile	53	5.196	5.196	(0.805)	75499	150.000	150.29(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	5.236	5.236	(0.812)	757054	150.000	141.23(Q)
	15 Carbon Disulfide	76	5.196	5.196	(0.805)	605319	150.000	146.68
	17 Trans-1,2-Dichloroethene	96	5.387	5.387	(0.835)	194914	150.000	154.96
	18 Vinyl Acetate	43	5.708	5.708	(0.885)	396746	150.000	162.21
	19 1,1-Dichloroethane	63	5.759	5.759	(0.893)	353893	150.000	154.82
	20 2-Butanone	43	6.110	6.110	(0.947)	495154	750.000	761.31
	21 2,2-Dichloropropane	77	6.281	6.281	(0.974)	244579	150.000	160.58
	22 Cis-1,2-Dichloroethene	96	6.321	6.321	(0.980)	208628	150.000	156.38
*	23 Pentafluorobenzene	168	6.452	6.452	(1.000)	98723	50.0000	
	24 Chloroform	83	6.462	6.462	(1.002)	323340	150.000	152.04
	26 Bromochloromethane	128	6.623	6.623	(1.026)	110813	150.000	158.74
$	25 Dibromofluoromethane	111	6.663	6.663	(1.033)	54074	50.0000	46.080(Q)
	27 1,1,1-Trichloroethane	97	6.854	6.854	(1.062)	260980	150.000	159.38
	29 1,1-Dichloropropene	75	6.995	6.995	(0.938)	273846	150.000	162.56
	30 Carbon Tetrachloride	117	7.105	7.105	(0.953)	242723	150.000	158.34
$	31 d4-1,2-Dichloroethane	65	7.125	7.125	(1.104)	46955	50.0000	43.197
	32 1,2-Dichloroethane	62	7.216	7.216	(0.968)	215856	150.000	155.30
	33 Benzene	78	7.256	7.256	(0.973)	622979	150.000	141.67
*	34 1,4-Difluorobenzene	114	7.457	7.457	(1.000)	156465	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.049)	214083	150.000	165.96
	36 1,2-Dichloropropane	63	7.990	7.990	(1.071)	223394	150.000	161.71
	37 Bromodichloromethane	83	8.221	8.221	(1.102)	251727	150.000	160.80
	39 Dibromomethane	93	8.291	8.291	(1.112)	127770	150.000	156.05
	40 2-Chloroethyl Vinyl Ether	63	8.442	8.442	(1.132)	54534	150.000	183.25(Q)
	41 4-Methyl-2-Pentanone	58	8.482	8.482	(1.137)	409048	750.000	815.14(Q)
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.170)	318401	150.000	172.84
$	43 d8-Toluene	98	9.005	9.005	(1.208)	177555	50.0000	50.199
	44 Toluene	92	9.085	9.085	(1.218)	457122	150.000	163.02(Q)
	45 Trans 1,3-Dichloropropene	75	9.216	9.216	(1.236)	271220	150.000	174.08
	46 2-Hexanone	43	9.357	9.357	(0.882)	617367	750.000	595.58
	47 1,1,2-Trichloroethane	97	9.397	9.397	(1.260)	166841	150.000	160.74
	48 1,3-Dichloropropane	76	9.658	9.658	(0.911)	310876	150.000	166.47
	49 Tetrachloroethene	166	9.769	9.769	(0.921)	229353	150.000	169.35
	50 Chlorodibromomethane	129	9.980	9.980	(0.941)	223921	150.000	168.10
	51 1,2-Dibromoethane	107	10.201	10.201	(1.368)	200870	150.000	167.08
*	52 d5-Chlorobenzene	117	10.603	10.603	(1.000)	146811	50.0000	
	53 Chlorobenzene	112	10.643	10.643	(1.004)	490565	150.000	161.60
	54 Ethyl Benzene	91	10.673	10.673	(1.007)	662372	150.000	142.11
	55 1,1,1,2-Tetrachloroethane	131	10.673	10.673	(1.007)	187101	150.000	165.98
	56 m,p-xylene	106	10.753	10.753	(1.014)	600414	300.000	317.39(Q)
	57 o-Xylene	106	11.246	11.246	(1.061)	339319	150.000	172.64(Q)
	58 Styrene	104	11.276	11.276	(1.063)	514319	150.000	163.95
	59 Isopropyl Benzene	105	11.628	11.628	(0.876)	696152	150.000	153.11
	60 Bromoform	173	11.678	11.678	(0.880)	161303	150.000	178.48
	61 1,1,2,2-Tetrachloroethane	83	11.809	11.809	(0.889)	249460	150.000	161.05
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.124)	73575	50.0000	48.824
	63 1,2,3-Trichloropropane	110	11.980	11.980	(0.902)	61395	150.000	164.32

	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	12.030	12.030	(0.906)	66330	150.000	164.45
	66 N-Propyl Benzene	91	12.080	12.080	(0.910)	703436	150.000	139.10
	67 Bromobenzene	156	12.171	12.171	(0.917)	244780	150.000	173.69
	68 1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	585844	150.000	161.63
	69 2-Chloro Toluene	91	12.311	12.311	(0.927)	550084	150.000	157.31
	70 4-Chloro Toluene	91	12.351	12.351	(0.930)	558282	150.000	154.71
	71 T-Butyl Benzene	119	12.663	12.663	(0.954)	585174	150.000	168.21
	72 1,2,4-Trimethylbenzene	105	12.713	12.713	(0.958)	590216	150.000	162.23
	73 S-Butyl Benzene	105	12.914	12.914	(0.973)	718191	150.000	148.08
	74 4-Isopropyl Toluene	119	13.055	13.055	(0.983)	610074	150.000	160.49
	75 1,3-Dichlorobenzene	146	13.206	13.206	(0.995)	420966	150.000	170.25
*	76 d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	76483	50.0000	
	77 1,4-Dichlorobenzene	146	13.316	13.316	(1.003)	416071	150.000	169.02
	78 N-Butyl Benzene	91	13.537	13.537	(1.020)	591911	150.000	157.87
$	79 d4-1,2-Dichlorobenzene	152	13.728	13.728	(1.034)	67563	50.0000	49.740
	80 1,2-Dichlorobenzene	146	13.758	13.758	(1.036)	384744	150.000	166.02
	81 1,2-Dibromo 3-Chloropropane	75	14.663	14.663	(1.104)	42057	150.000	151.63
	82 1,2,4-Trichlorobenzene	180	15.708	15.708	(1.183)	277194	150.000	167.62
	83 Hexachloro 1,3-Butadiene	225	15.869	15.869	(1.195)	152625	150.000	160.63
	84 Naphthalene	128	16.030	16.030	(1.207)	529110	150.000	145.13
	85 1,2,3-Trichlorobenzene	180	16.321	16.321	(1.229)	253196	150.000	155.30

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: 1500309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
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	91022	45511	182044	98723	8.46
34 1,4-Difluorobenze	153104	76552	306208	156465	2.20
52 d5-Chlorobenzene	143720	71860	287440	146811	2.15
76 d4-1,4-Dichlorobe	77398	38699	154796	76483	-1.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.45	0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.46	0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.60	0.09
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	0.00

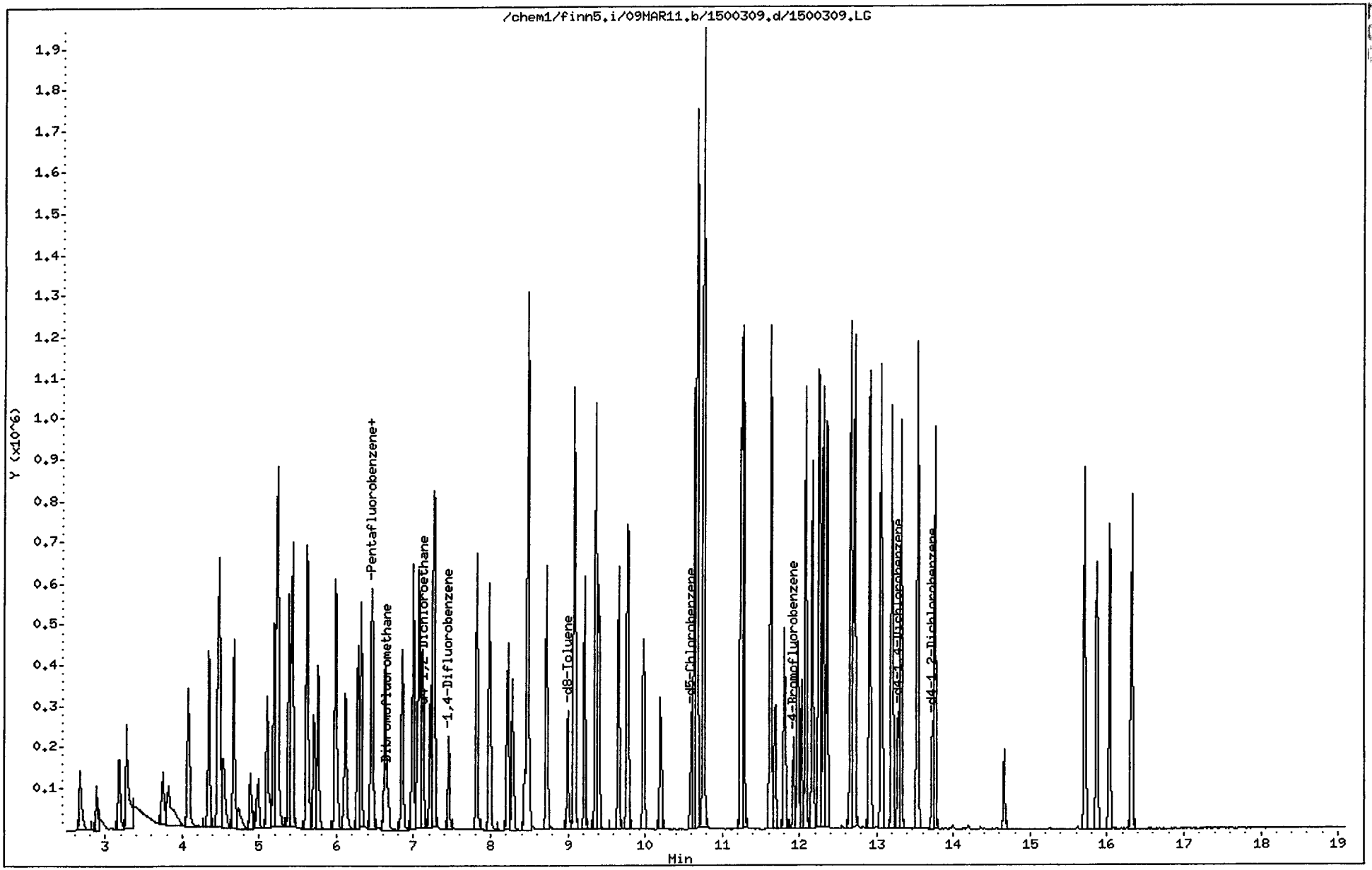
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/09MAR11.b/1500309.d
Date : 09-MAR-2011 14:27
Client ID: VSTD150
Sample Info: IC0309,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - 1500309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS
10.673	1,1,1,2-Tetrachloroethane and Ethyl Benzene

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/2000309.d
Lab Smp Id: IC0309 Client Smp ID: VSTD200
Inj Date : 09-MAR-2011 13:53
Operator : PB Inst ID: finn5.i
Smp Info : IC0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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)	ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	2.884	2.884	(0.448)	183962	200.000	178.69
2 Chloromethane	50	3.176	3.176	(0.493)	284236	200.000	158.27
3 Vinyl Chloride	62	3.276	3.276	(0.509)	317187	200.000	141.89
4 Bromomethane	94	3.739	3.739	(0.580)	150394	200.000	193.98
5 Chloroethane	64	3.809	3.809	(0.591)	238921	200.000	160.44
6 Trichlorofluoromethane	101	4.070	4.070	(0.632)	362003	200.000	178.66
7 Acrolein	56	4.472	4.472	(0.694)	254763	1000.00	814.32
8 112Trichloro122Trifluoroethane	101	4.472	4.472	(0.694)	286993	200.000	177.95
9 Acetone	43	4.522	4.522	(0.702)	326408	1000.00	704.59
10 1,1-Dichloroethene	96	4.663	4.663	(0.724)	211807	200.000	188.73
11 Bromoethane	108	4.884	4.884	(0.758)	162840	200.000	184.74
12 Iodomethane	142	4.975	4.975	(0.772)	163769	200.000	156.14
13 Methylene Chloride	84	5.095	5.095	(0.791)	236340	200.000	176.24
14 Acrylonitrile	53	5.186	5.186	(0.805)	90756	200.000	175.65(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	5.236	5.236	(0.813)	834541	200.000	151.37(Q)
	15 Carbon Disulfide	76	5.186	5.186	(0.805)	700893	200.000	165.13
	17 Trans-1,2-Dichloroethene	96	5.377	5.377	(0.835)	244310	200.000	188.84
	18 Vinyl Acetate	43	5.708	5.708	(0.886)	462026	200.000	183.66
	19 1,1-Dichloroethane	63	5.759	5.759	(0.894)	441394	200.000	187.75
	20 2-Butanone	43	6.110	6.110	(0.949)	577660	1000.00	863.55
	21 2,2-Dichloropropane	77	6.271	6.271	(0.973)	299930	200.000	191.46
	22 Cis-1,2-Dichloroethene	96	6.311	6.311	(0.980)	259346	200.000	189.01
*	23 Pentafluorobenzene	168	6.442	6.442	(1.000)	101537	50.0000	
	24 Chloroform	83	6.462	6.462	(1.003)	410696	200.000	187.77
	26 Bromochloromethane	128	6.623	6.623	(1.028)	140835	200.000	196.15
$	25 Dibromofluoromethane	111	6.663	6.663	(1.034)	62079	50.0000	51.435(Q)
	27 1,1,1-Trichloroethane	97	6.844	6.844	(1.062)	327808	200.000	194.64
	29 1,1-Dichloropropene	75	6.985	6.985	(0.937)	346231	200.000	186.27
	30 Carbon Tetrachloride	117	7.105	7.105	(0.953)	309741	200.000	183.13
$	31 d4-1,2-Dichloroethane	65	7.125	7.125	(1.106)	57792	50.0000	51.693
	32 1,2-Dichloroethane	62	7.206	7.206	(0.966)	273597	200.000	178.40
	33 Benzene	78	7.256	7.256	(0.973)	714954	200.000	147.35
*	34 1,4-Difluorobenzene	114	7.457	7.457	(1.000)	172637	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.049)	276553	200.000	194.31
	36 1,2-Dichloropropane	63	7.980	7.980	(1.070)	285692	200.000	187.43
	37 Bromodichloromethane	83	8.221	8.221	(1.102)	320258	200.000	185.41
	39 Dibromomethane	93	8.281	8.281	(1.111)	164168	200.000	181.72
	40 2-Chloroethyl Vinyl Ether	63	8.442	8.442	(1.132)	69966	200.000	213.08(Q)
	41 4-Methyl-2-Pentanone	58	8.482	8.482	(1.137)	474596	1000.00	857.17(Q)
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.170)	401045	200.000	197.31
$	43 d8-Toluene	98	8.995	8.995	(1.206)	197170	50.0000	50.523
	44 Toluene	92	9.085	9.085	(1.218)	561868	200.000	181.61(Q)
	45 Trans 1,3-Dichloropropene	75	9.216	9.216	(1.236)	346677	200.000	201.67
	46 2-Hexanone	43	9.357	9.357	(0.883)	666725	1000.00	534.71
	47 1,1,2-Trichloroethane	97	9.397	9.397	(1.260)	215627	200.000	188.28
	48 1,3-Dichloropropane	76	9.658	9.658	(0.912)	392941	200.000	174.92
	49 Tetrachloroethene	166	9.769	9.769	(0.922)	305645	200.000	187.61
	50 Chlorodibromomethane	129	9.980	9.980	(0.942)	289068	200.000	180.41
	51 1,2-Dibromoethane	107	10.201	10.201	(1.368)	258012	200.000	194.50
*	52 d5-Chlorobenzene	117	10.593	10.593	(1.000)	176599	50.0000	
	53 Chlorobenzene	112	10.643	10.643	(1.005)	597667	200.000	163.67
	54 Ethyl Benzene	91	10.673	10.673	(1.008)	760995	200.000	135.73
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.663	(1.007)	250261	200.000	184.57
	56 m,p-xylene	106	10.753	10.753	(1.015)	719298	400.000	316.10(Q)
	57 o-Xylene	106	11.246	11.246	(1.062)	451279	200.000	190.88(Q)
	58 Styrene	104	11.276	11.276	(1.064)	629579	200.000	166.84
	59 Isopropyl Benzene	105	11.628	11.628	(0.876)	786971	200.000	141.36
	60 Bromoform	173	11.678	11.678	(0.880)	206511	200.000	186.62
	61 1,1,2,2-Tetrachloroethane	83	11.809	11.809	(0.889)	311136	200.000	164.06
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.125)	90387	50.0000	49.863
	63 1,2,3-Trichloropropane	110	11.980	11.980	(0.902)	78007	200.000	170.52(Q)

	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	12.030	12.030	(0.906)	81263	200.000	164.54(Q)
66	N-Propyl Benzene	91	12.080	12.080	(0.910)	790697	200.000	127.70
67	Bromobenzene	156	12.160	12.160	(0.916)	328853	200.000	190.58
68	1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	695772	200.000	156.78
69	2-Chloro Toluene	91	12.311	12.311	(0.927)	658108	200.000	153.71
70	4-Chloro Toluene	91	12.351	12.351	(0.930)	641958	200.000	145.30
71	T-Butyl Benzene	119	12.663	12.663	(0.954)	709195	200.000	166.50
72	1,2,4-Trimethylbenzene	105	12.713	12.713	(0.958)	682745	200.000	153.27
73	S-Butyl Benzene	105	12.904	12.904	(0.972)	831611	200.000	140.04
74	4-Isopropyl Toluene	119	13.055	13.055	(0.983)	722653	200.000	155.26
75	1,3-Dichlorobenzene	146	13.196	13.196	(0.994)	541029	200.000	178.70
* 76	d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	93645	50.0000	
77	1,4-Dichlorobenzene	146	13.316	13.316	(1.003)	523109	200.000	173.56
78	N-Butyl Benzene	91	13.537	13.537	(1.020)	679720	200.000	148.07
$ 79	d4-1,2-Dichlorobenzene	152	13.728	13.728	(1.034)	84166	50.0000	50.608
80	1,2-Dichlorobenzene	146	13.758	13.758	(1.036)	492225	200.000	173.47
81	1,2-Dibromo 3-Chloropropane	75	14.663	14.663	(1.104)	50503	200.000	148.71
82	1,2,4-Trichlorobenzene	180	15.708	15.708	(1.183)	360756	200.000	178.17
83	Hexachloro 1,3-Butadiene	225	15.859	15.859	(1.195)	203262	200.000	174.72
84	Naphthalene	128	16.030	16.030	(1.207)	601446	200.000	134.73
85	1,2,3-Trichlorobenzene	180	16.321	16.321	(1.229)	318971	200.000	159.79

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: 2000309.d
Lab Smp Id: IC0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
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	91022	45511	182044	101537	11.55
34 1,4-Difluorobenze	153104	76552	306208	172637	12.76
52 d5-Chlorobenzene	143720	71860	287440	176599	22.88
76 d4-1,4-Dichlorobe	77398	38699	154796	93645	20.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.44	0.00
34 1,4-Difluorobenze	7.45	6.95	7.95	7.46	0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.59	0.00
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	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/09MAR11.b/2000309.d

Date : 09-MAR-2011 13:53

Client ID: VSTD200

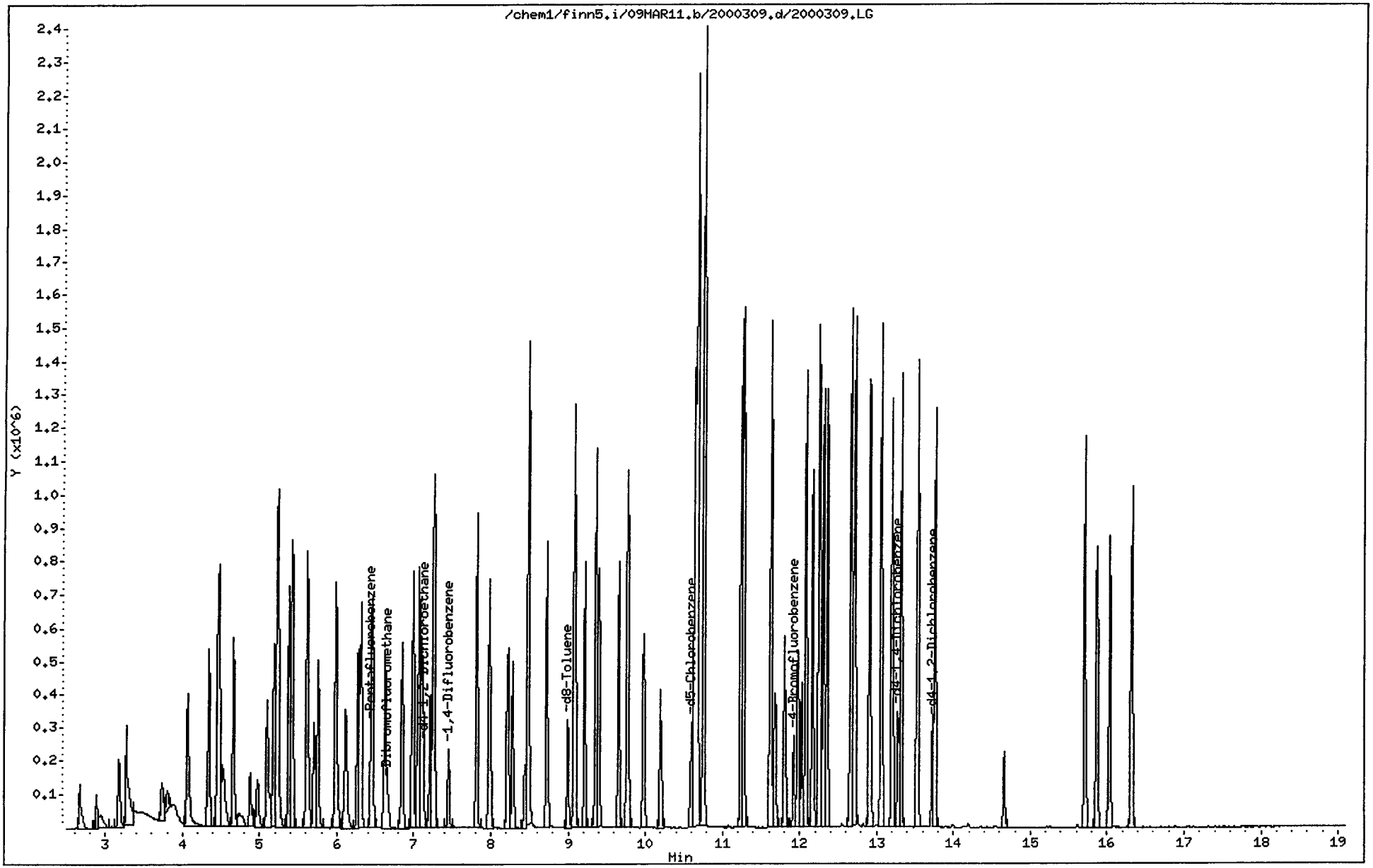
Sample Info: IC0309,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - 2000309.d

Lab ID: IC0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/09MAR11.b/ICV0309.d
Lab Smp Id: ICV0309 Client Smp ID: ICV0309
Inj Date : 09-MAR-2011 17:36
Operator : PB Inst ID: finn5.i
Smp Info : ICV0309,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/09MAR11.b/s8260b.m
Meth Date : 10-Mar-2011 09:38 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	2.894	2.884	(0.449)	46968	51.0850	51.085
2 Chloromethane	50	3.176	3.176	(0.492)	65494	40.8377	40.838
3 Vinyl Chloride	62	3.276	3.276	(0.508)	85029	42.5924	42.592(Q)
4 Bromomethane	94	3.749	3.739	(0.581)	29372	42.4214	42.421
5 Chloroethane	64	3.829	3.809	(0.593)	61608	46.3275	46.327
6 Trichlorofluoromethane	101	4.080	4.070	(0.632)	85987	47.5199	47.520
7 Acrolein	56	4.472	4.472	(0.693)	11855	42.4316	42.432
8 112Trichloro122Trifluoroethane	101	4.472	4.472	(0.693)	66630	46.2630	46.263
9 Acetone	43	4.522	4.522	(0.701)	20219	48.8720	48.872
10 1,1-Dichloroethene	96	4.673	4.663	(0.724)	47610	47.5043	47.504
11 Bromoethane	108	4.884	4.884	(0.757)	36021	45.7593	45.759
12 Iodomethane	142	4.985	4.975	(0.773)	38238	40.8241	40.824
13 Methylene Chloride	84	5.095	5.095	(0.790)	55916	46.6919	46.692
14 Acrylonitrile	53	5.186	5.186	(0.804)	23182	50.2401	50.240(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	5.236	5.236	(0.812)	248227	50.4157	50.416(Q)
	15 Carbon Disulfide	76	5.196	5.186	(0.805)	137326	36.2292	36.229(R)
	17 Trans-1,2-Dichloroethene	96	5.377	5.377	(0.833)	47720	41.3036	41.304
	18 Vinyl Acetate	43	5.708	5.708	(0.885)	83133	37.0045	37.004(R)
	19 1,1-Dichloroethane	63	5.759	5.759	(0.893)	93941	44.7437	44.744
	20 2-Butanone	43	6.110	6.110	(0.947)	27642	46.2715	46.272(Q)
	21 2,2-Dichloropropane	77	6.281	6.271	(0.974)	63201	45.1762	45.176
	22 Cis-1,2-Dichloroethene	96	6.311	6.311	(0.978)	55618	45.3883	45.388
*	23 Pentafluorobenzene	168	6.452	6.442	(1.000)	90677	50.0000	
	24 Chloroform	83	6.462	6.462	(1.002)	85675	43.8609	43.861
	26 Bromochloromethane	128	6.623	6.623	(1.026)	59611	92.9677	92.968
$	25 Dibromofluoromethane	111	6.663	6.663	(1.033)	49656	46.0695	46.070(Q)
	27 1,1,1-Trichloroethane	97	6.844	6.844	(1.061)	67013	44.5554	44.555
	29 1,1-Dichloropropene	75	6.995	6.985	(0.938)	68306	44.8615	44.861
	30 Carbon Tetrachloride	117	7.105	7.105	(0.953)	62985	45.4611	45.461
$	31 d4-1,2-Dichloroethane	65	7.125	7.125	(1.104)	46131	46.2048	46.205
	32 1,2-Dichloroethane	62	7.206	7.206	(0.966)	62105	49.4371	49.437
	33 Benzene	78	7.256	7.256	(0.973)	193843	48.7709	48.771
*	34 1,4-Difluorobenzene	114	7.457	7.457	(1.000)	141416	50.0000	
	35 Trichloroethene	95	7.819	7.819	(1.049)	56315	48.3029	48.303
	36 1,2-Dichloropropane	63	7.980	7.980	(1.070)	61986	49.6451	49.645
	37 Bromodichloromethane	83	8.221	8.221	(1.102)	68953	48.7341	48.734
	39 Dibromomethane	93	8.281	8.281	(1.111)	36527	49.3583	49.358
	40 2-Chloroethyl Vinyl Ether	63	8.442	8.442	(1.132)	12315	45.7858	45.786(Q)
	41 4-Methyl-2-Pentanone	58	8.472	8.482	(1.136)	21789	48.0414	48.041
	42 Cis 1,3-dichloropropene	75	8.723	8.723	(1.170)	79952	48.0193	48.019
$	43 d8-Toluene	98	8.995	8.995	(1.206)	160885	50.3264	50.326
	44 Toluene	92	9.085	9.085	(1.218)	119149	47.0144	47.014
	45 Trans 1,3-Dichloropropene	75	9.216	9.216	(1.236)	63300	44.9520	44.952
	46 2-Hexanone	43	9.357	9.357	(0.883)	45689	47.6752	47.675
	47 1,1,2-Trichloroethane	97	9.397	9.397	(1.260)	47273	50.3900	50.390
	48 1,3-Dichloropropane	76	9.658	9.658	(0.912)	85628	49.5958	49.596
	49 Tetrachloroethene	166	9.769	9.769	(0.922)	55787	44.5538	44.554
	50 Chlorodibromomethane	129	9.980	9.980	(0.942)	58891	47.8205	47.820
	51 1,2-Dibromoethane	107	10.201	10.201	(1.368)	52465	48.2830	48.283
*	52 d5-Chlorobenzene	117	10.593	10.593	(1.000)	135731	50.0000	
	53 Chlorobenzene	112	10.643	10.643	(1.005)	130646	46.5503	46.550
	54 Ethyl Benzene	91	10.673	10.673	(1.008)	213630	49.5743	49.574
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.663	(1.007)	48505	46.5436	46.544
	56 m,p-xylene	106	10.753	10.753	(1.015)	163587	93.5346	93.535
	57 o-Xylene	106	11.246	11.246	(1.062)	86266	47.4741	47.474
	58 Styrene	104	11.276	11.276	(1.064)	140289	48.3706	48.370
	59 Isopropyl Benzene	105	11.628	11.628	(0.876)	188356	42.3511	42.351
	60 Bromoform	173	11.678	11.678	(0.880)	43201	48.8672	48.867
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.809	(0.889)	72445	47.8143	47.814
$	62 4-Bromofluorobenzene	95	11.919	11.919	(1.125)	70816	50.8291	50.829
	63 1,2,3-Trichloropropane	110	11.970	11.980	(0.902)	17898	48.9725	48.972

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	12.030	12.030	(0.906)	17514	44.3902	44.390
66 N-Propyl Benzene	91	12.080	12.080	(0.910)	243671	49.2611	49.261
67 Bromobenzene	156	12.160	12.160	(0.916)	63289	45.9105	45.910
68 1,3,5-Trimethyl Benzene	105	12.251	12.251	(0.923)	168855	47.6261	47.626
69 2-Chloro Toluene	91	12.301	12.311	(0.927)	162630	47.5459	47.546
70 4-Chloro Toluene	91	12.351	12.351	(0.930)	154137	43.6677	43.668
71 T-Butyl Benzene	119	12.663	12.663	(0.954)	159191	46.7824	46.782
72 1,2,4-Trimethylbenzene	105	12.713	12.713	(0.958)	167826	47.1581	47.158
73 S-Butyl Benzene	105	12.904	12.904	(0.972)	234916	49.5159	49.516
74 4-Isopropyl Toluene	119	13.055	13.055	(0.983)	175444	47.1827	47.183
75 1,3-Dichlorobenzene	146	13.196	13.196	(0.994)	108577	44.8911	44.891
* 76 d4-1,4-Dichlorobenzene	152	13.276	13.276	(1.000)	74813	50.0000	
77 1,4-Dichlorobenzene	146	13.316	13.316	(1.003)	107873	44.8004	44.800
78 N-Butyl Benzene	91	13.527	13.537	(1.019)	173797	47.3897	47.390
$ 79 d4-1,2-Dichlorobenzene	152	13.718	13.728	(1.033)	67382	50.7146	50.714
80 1,2-Dichlorobenzene	146	13.758	13.758	(1.036)	104443	46.0734	46.073
81 1,2-Dibromo 3-Chloropropane	75	14.663	14.663	(1.104)	12198	44.9607	44.961
82 1,2,4-Trichlorobenzene	180	15.708	15.708	(1.183)	68405	42.2880	42.288
83 Hexachloro 1,3-Butadiene	225	15.859	15.859	(1.195)	38817	41.7658	41.766
84 Naphthalene	128	16.030	16.030	(1.207)	160174	44.9140	44.914
85 1,2,3-Trichlorobenzene	180	16.321	16.321	(1.229)	67599	42.3883	42.388

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: ICV0309.d
Lab Smp Id: ICV0309
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 09-MAR-2011
Calibration Time: 15:22
Client Smp ID: ICV0309
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	91022	45511	182044	90677	-0.38
34 1,4-Difluorobenze	153104	76552	306208	141416	-7.63
52 d5-Chlorobenzene	143720	71860	287440	135731	-5.56
76 d4-1,4-Dichlorobe	77398	38699	154796	74813	-3.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.45	0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.46	0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.59	0.00
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.28	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:
Sample Matrix: SOLID
Lab Smp Id: ICV0309
Level: LOW
Data Type: MS DATA
SpikeList File: icv.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/09MAR11.b/s8260b.m
Misc Info: 11-

Client SDG: 09MAR11
Fraction: VOA
Client Smp ID: ICV0309
Operator: PB
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	51.085	102.17	80-120
2	Chloromethane	50.000	40.838	81.68	80-120
3	Vinyl Chloride	50.000	42.592	85.18	80-120
4	Bromomethane	50.000	42.421	84.84	80-120
5	Chloroethane	50.000	46.327	92.65	80-120
6	Trichlorofluoromet	50.000	47.520	95.04	80-120
7	Acrolein	50.000	42.432	84.86	80-120
8	112Trichloro122Tri	50.000	46.263	92.53	80-120
9	Acetone	50.000	48.872	97.74	80-120
10	1,1-Dichloroethene	50.000	47.504	95.01	80-120
11	Bromoethane	50.000	45.759	91.52	80-120
12	Iodomethane	50.000	40.824	81.65	80-120
13	Methylene Chloride	50.000	46.692	93.38	80-120
15	Carbon Disulfide	50.000	36.229	72.46*	80-120
14	Acrylonitrile	50.000	50.240	100.48	80-120
16	Methyl tert-Butyl	50.000	50.416	100.83	80-120
17	Trans-1,2-Dichloro	50.000	41.304	82.61	80-120
18	Vinyl Acetate	50.000	37.004	74.01*	80-120
19	1,1-Dichloroethane	50.000	44.744	89.49	80-120
20	2-Butanone	50.000	46.272	92.54	80-120
21	2,2-Dichloropropan	50.000	45.176	90.35	80-120
22	Cis-1,2-Dichloroet	50.000	45.388	90.78	80-120
24	Chloroform	50.000	43.861	87.72	80-120
26	Bromochloromethane	100.00	92.968	92.97	80-120
27	1,1,1-Trichloroeth	50.000	44.555	89.11	80-120
29	1,1-Dichloropropen	50.000	44.861	89.72	80-120
30	Carbon Tetrachlori	50.000	45.461	90.92	80-120
32	1,2-Dichloroethane	50.000	49.437	98.87	80-120
33	Benzene	50.000	48.771	97.54	80-120
35	Trichloroethene	50.000	48.303	96.61	80-120
36	1,2-Dichloropropan	50.000	49.645	99.29	80-120
37	Bromodichlorometha	50.000	48.734	97.47	80-120
39	Dibromomethane	50.000	49.358	98.72	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	45.786	91.57	80-120
41 4-Methyl-2-Pentano	50.000	48.041	96.08	80-120
42 Cis 1,3-dichloropr	50.000	48.019	96.04	80-120
44 Toluene	50.000	47.014	94.03	80-120
45 Trans 1,3-Dichloro	50.000	44.952	89.90	80-120
46 2-Hexanone	50.000	47.675	95.35	80-120
47 1,1,2-Trichloroeth	50.000	50.390	100.78	80-120
48 1,3-Dichloropropan	50.000	49.596	99.19	80-120
49 Tetrachloroethene	50.000	44.554	89.11	80-120
50 Chlorodibromometha	50.000	47.820	95.64	80-120
51 1,2-Dibromoethane	50.000	48.283	96.57	80-120
53 Chlorobenzene	50.000	46.550	93.10	80-120
55 1,1,1,2-Tetrachlor	50.000	46.544	93.09	80-120
54 Ethyl Benzene	50.000	49.574	99.15	80-120
56 m,p-xylene	100.00	93.535	93.53	80-120
57 o-Xylene	50.000	47.474	94.95	80-120
58 Styrene	50.000	48.370	96.74	80-120
59 Isopropyl Benzene	50.000	42.351	84.70	80-120
60 Bromoform	50.000	48.867	97.73	80-120
61 1,1,2,2-Tetrachlor	50.000	47.814	95.63	80-120
63 1,2,3-Trichloropro	50.000	48.972	97.94	80-120
65 Trans-1,4-Dichloro	50.000	44.390	88.78	80-120
66 N-Propyl Benzene	50.000	49.261	98.52	80-120
67 Bromobenzene	50.000	45.910	91.82	80-120
68 1,3,5-Trimethyl Be	50.000	47.626	95.25	80-120
69 2-Chloro Toluene	50.000	47.546	95.09	80-120
70 4-Chloro Toluene	50.000	43.668	87.34	80-120
71 T-Butyl Benzene	50.000	46.782	93.56	80-120
72 1,2,4-Trimethylben	50.000	47.158	94.32	80-120
73 S-Butyl Benzene	50.000	49.516	99.03	80-120
74 4-Isopropyl Toluen	50.000	47.183	94.37	80-120
75 1,3-Dichlorobenzen	50.000	44.891	89.78	80-120
77 1,4-Dichlorobenzen	50.000	44.800	89.60	80-120
78 N-Butyl Benzene	50.000	47.390	94.78	80-120
80 1,2-Dichlorobenzen	50.000	46.073	92.15	80-120
81 1,2-Dibromo 3-Chlo	50.000	44.961	89.92	80-120
82 1,2,4-Trichloroben	50.000	42.288	84.58	80-120
83 Hexachloro 1,3-But	50.000	41.766	83.53	80-120
84 Naphthalene	50.000	44.914	89.83	80-120
85 1,2,3-Trichloroben	50.000	42.388	84.78	80-120

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	46.070	92.14	30-160

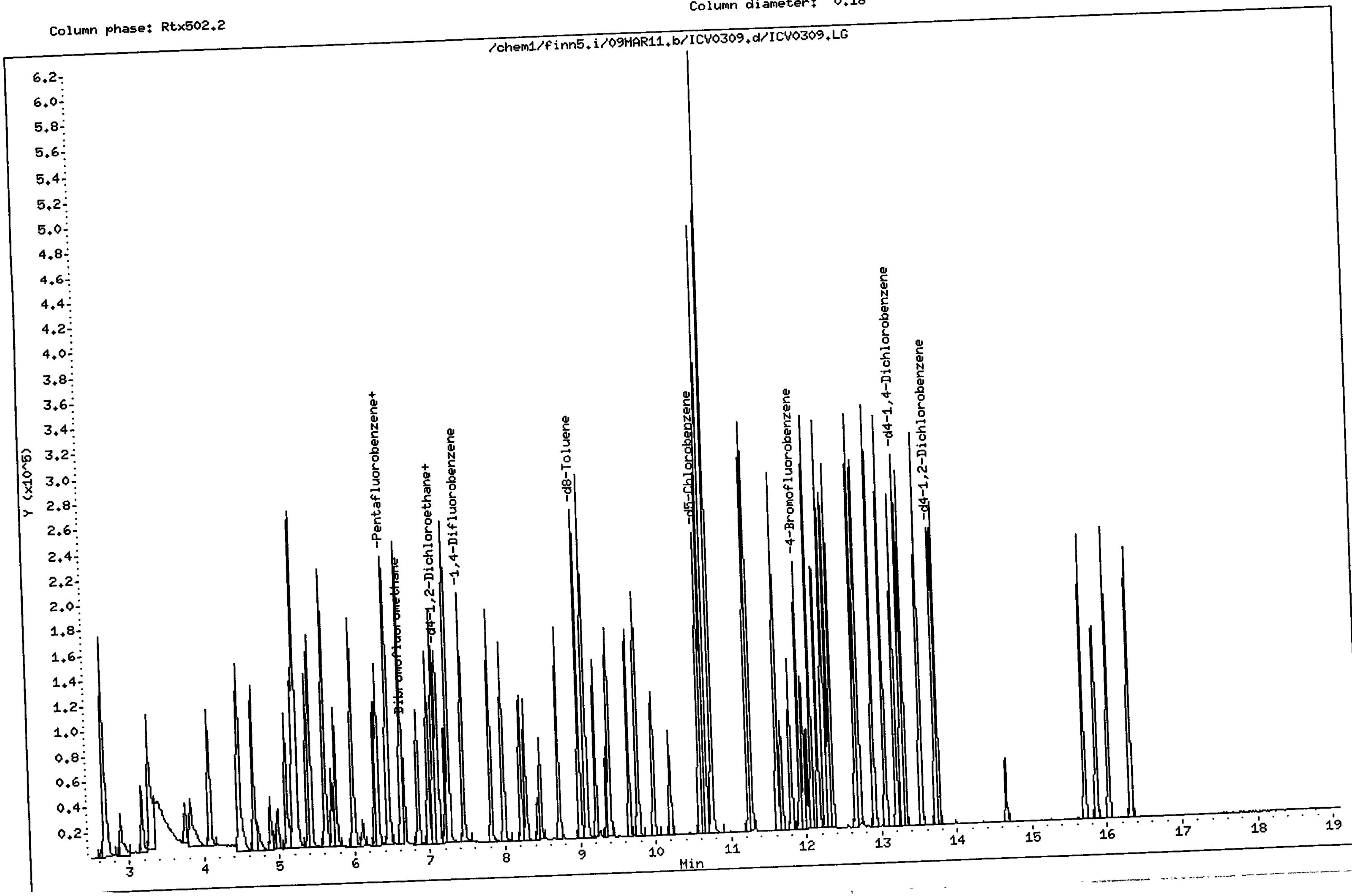
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	46.205	92.41	75-152
$ 43 d8-Toluene	50.000	50.326	100.65	82-115
$ 62 4-Bromofluorobenze	50.000	50.829	101.66	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.714	101.43	80-120

Data File: /chem1/finn5.i/09MAR11.b/ICV0309.d
Date : 09-MAR-2011 17:36
Client ID: ICV0309
Sample Info: ICV0309,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



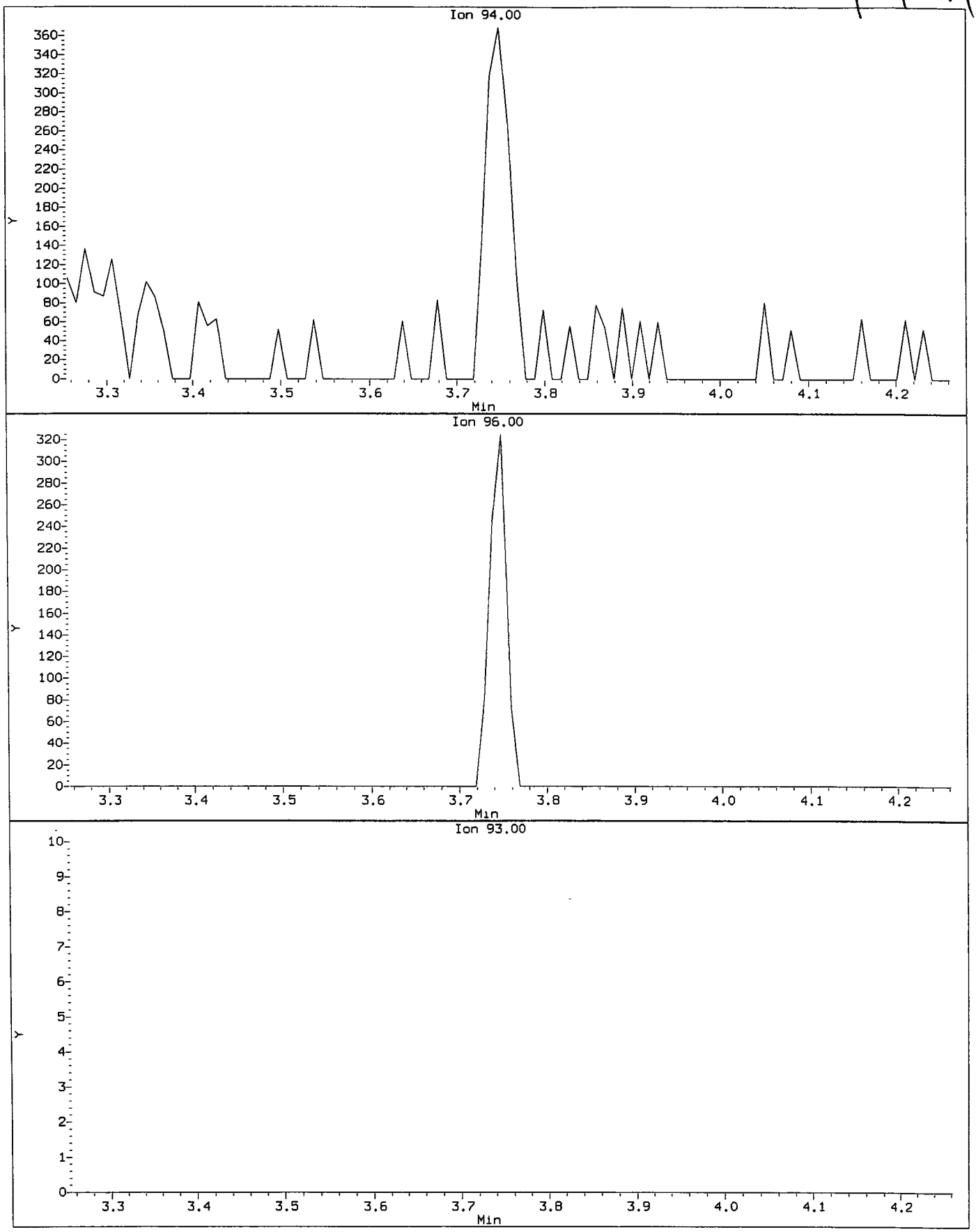
CO-ELUTION SUMMARY FOR FILE - ICV0309.d

Lab ID: ICV0309, Method: s8260b.m, Instrument: finn5.i, Date: 09-MAR-2011

RT	CO-ELUTION COMPOUNDS
	NO CO-ELUTIONS

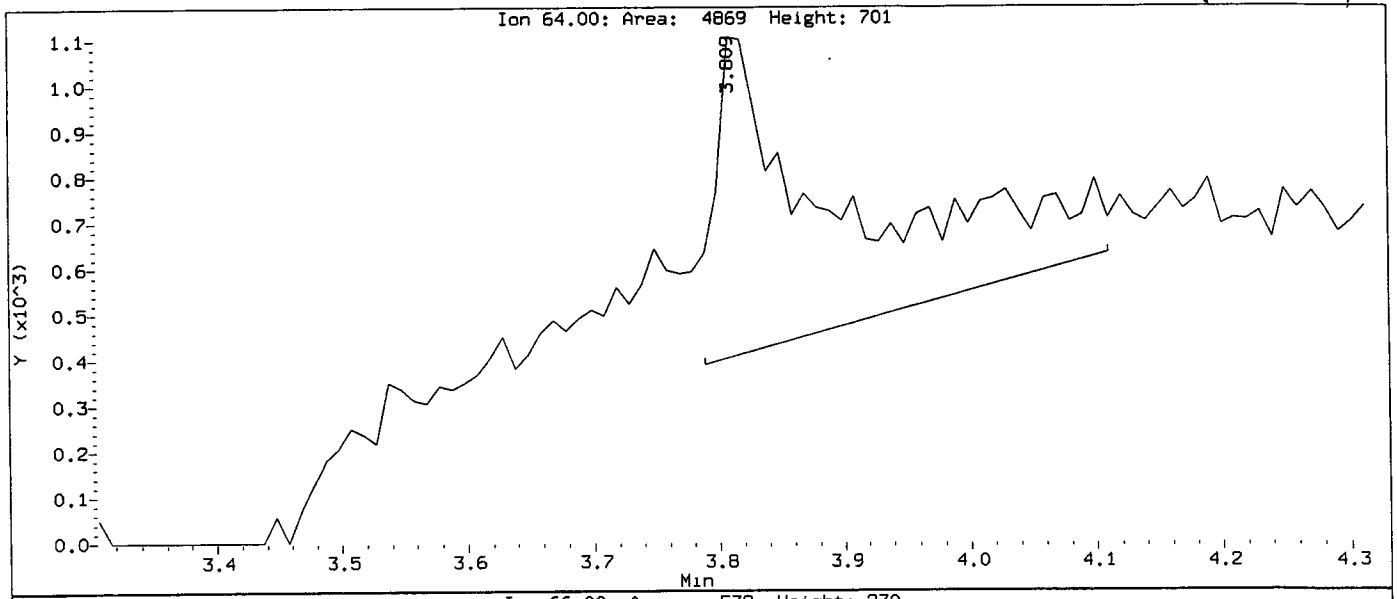
Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

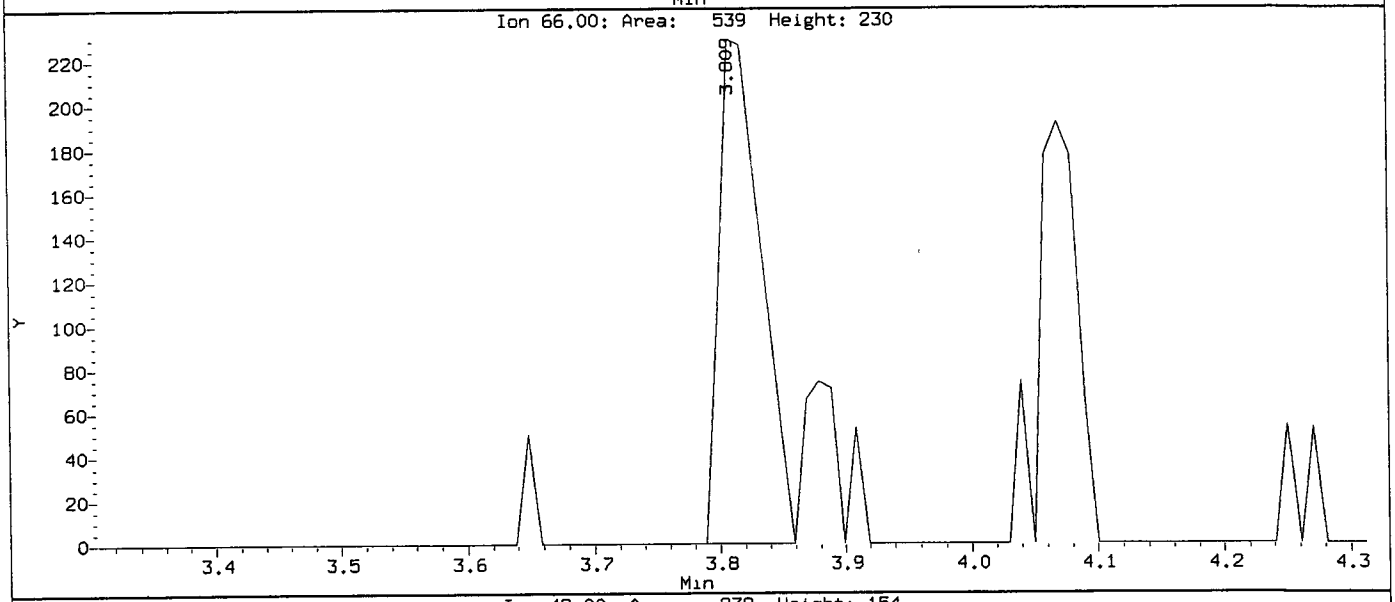
Compound: Bromomethane
CAS Number:

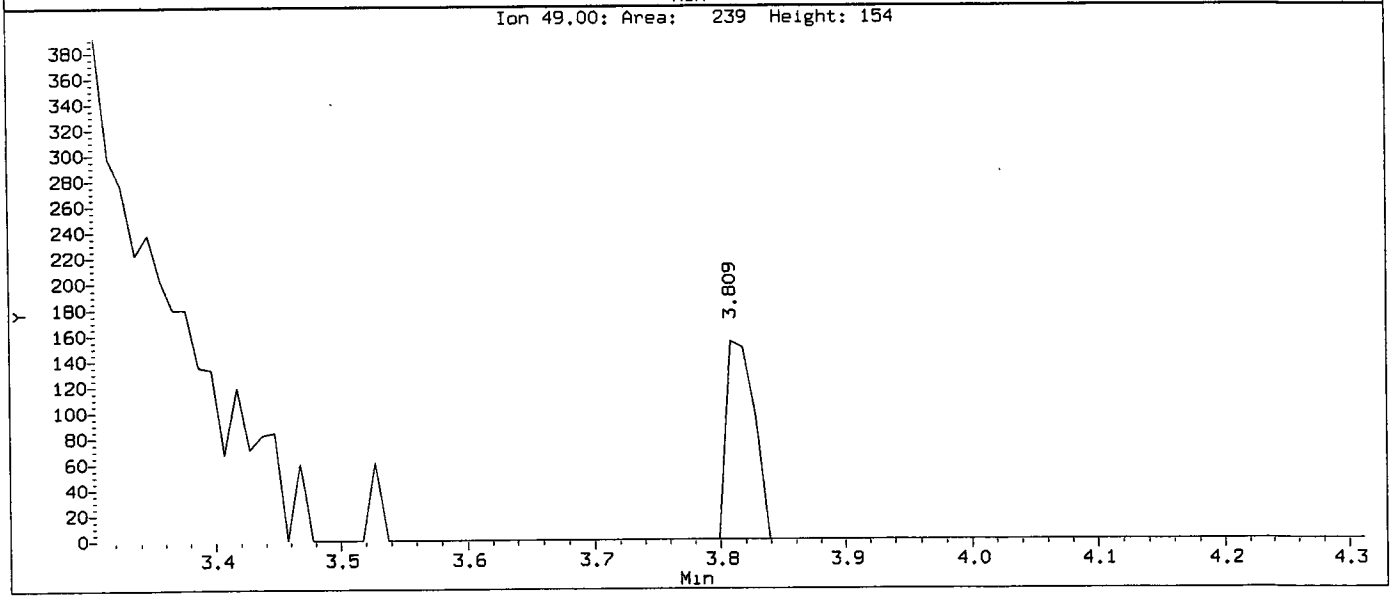


Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

Compound: Chloroethane
CAS Number:



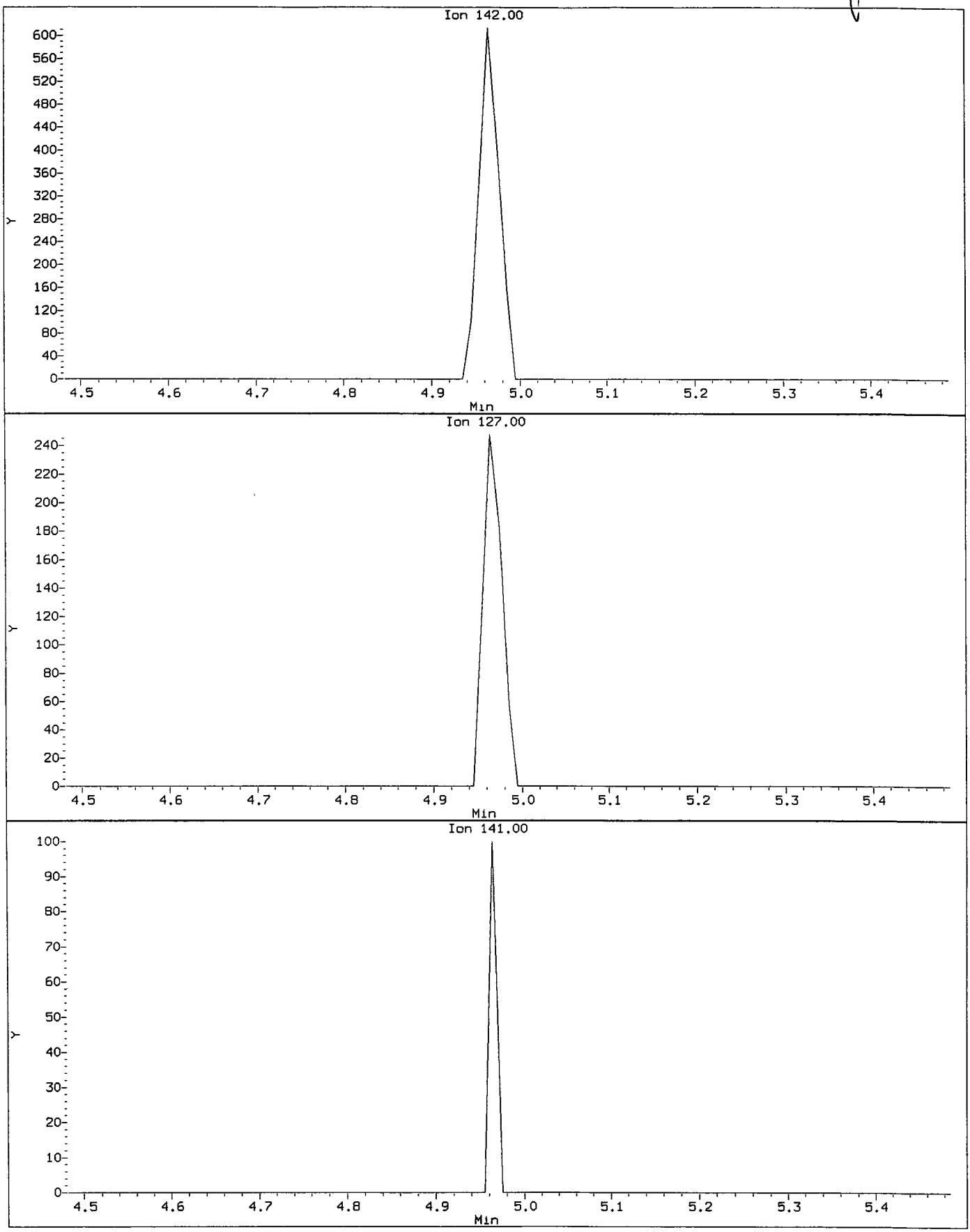




SS71 : 00436

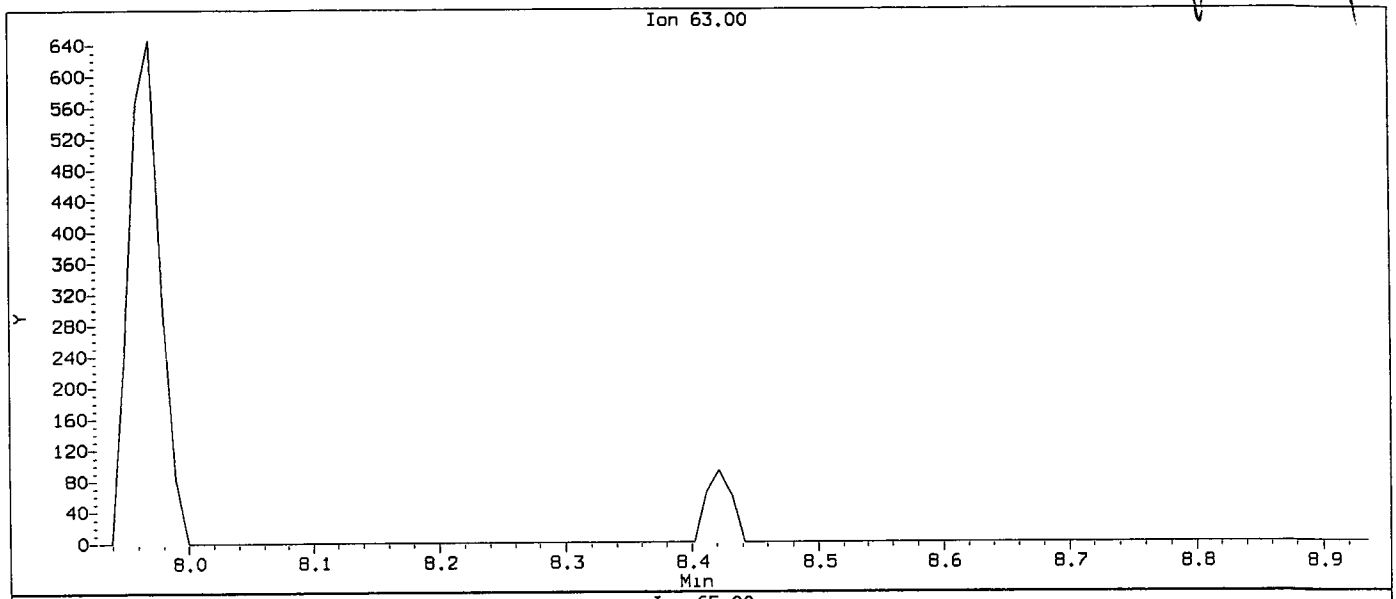
Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

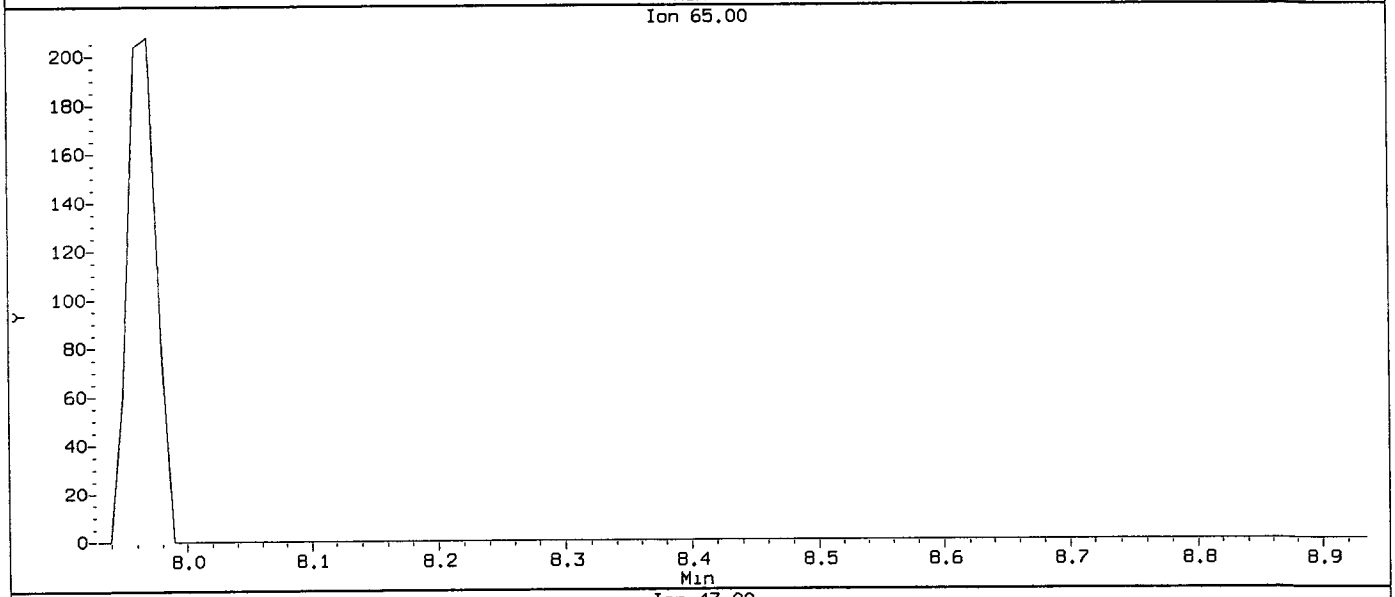
Compound: Iodomethane
CAS Number:

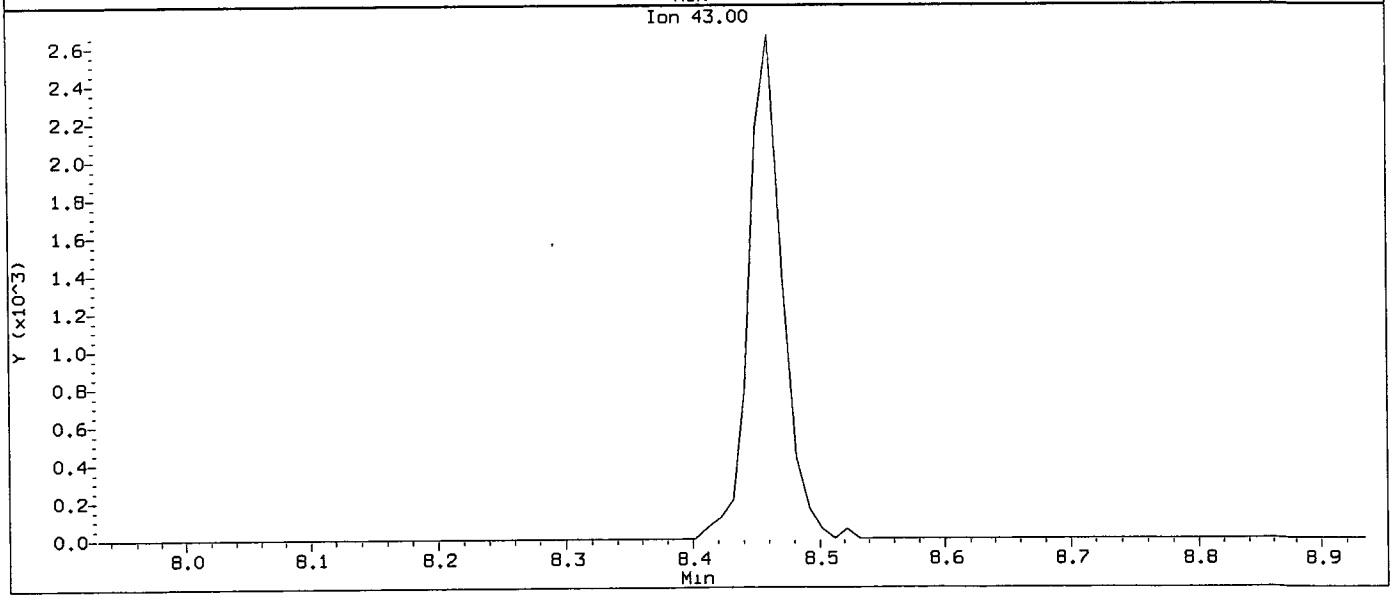


Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

Compound: 2-Chloroethyl Vinyl Ether
CAS Number:

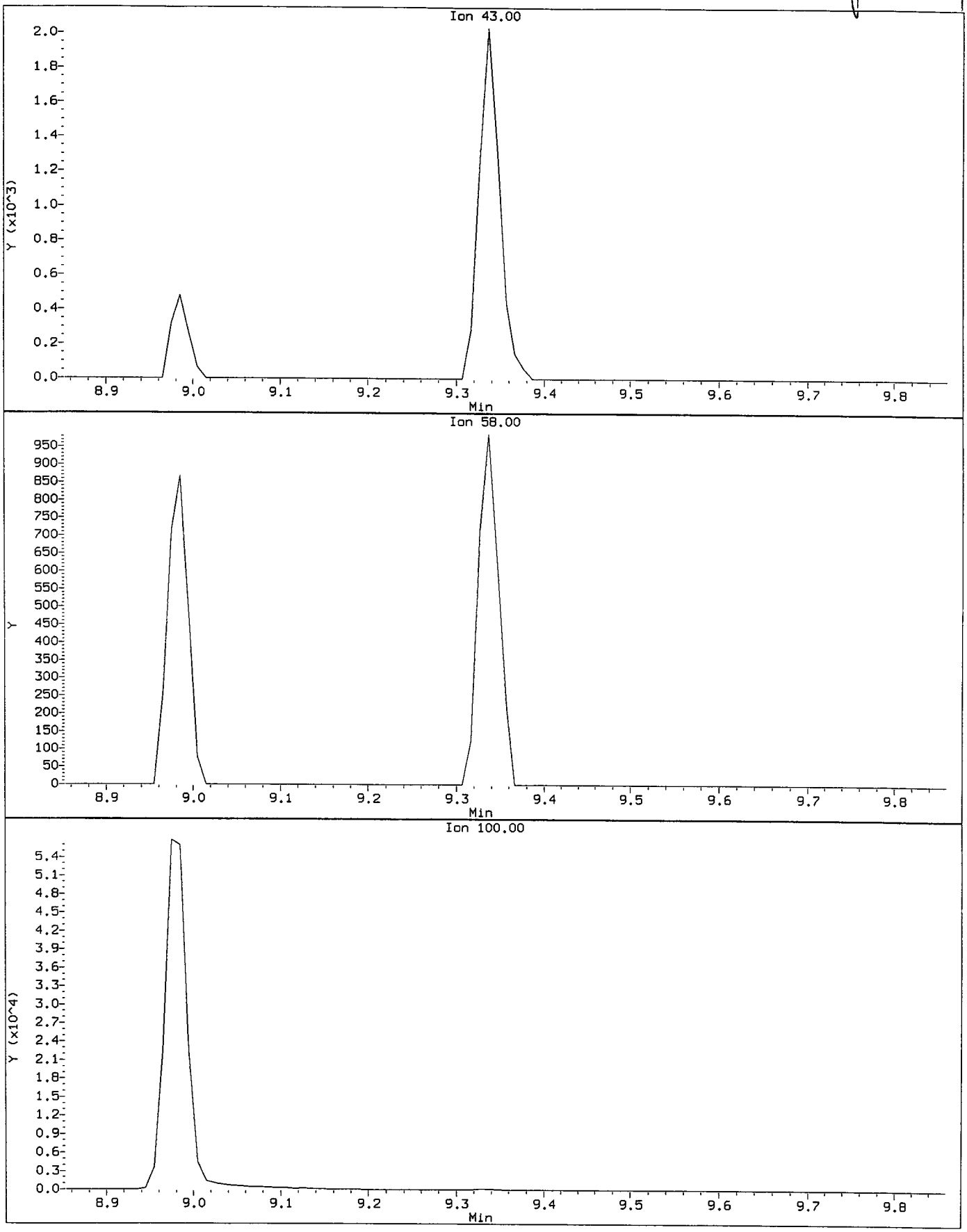






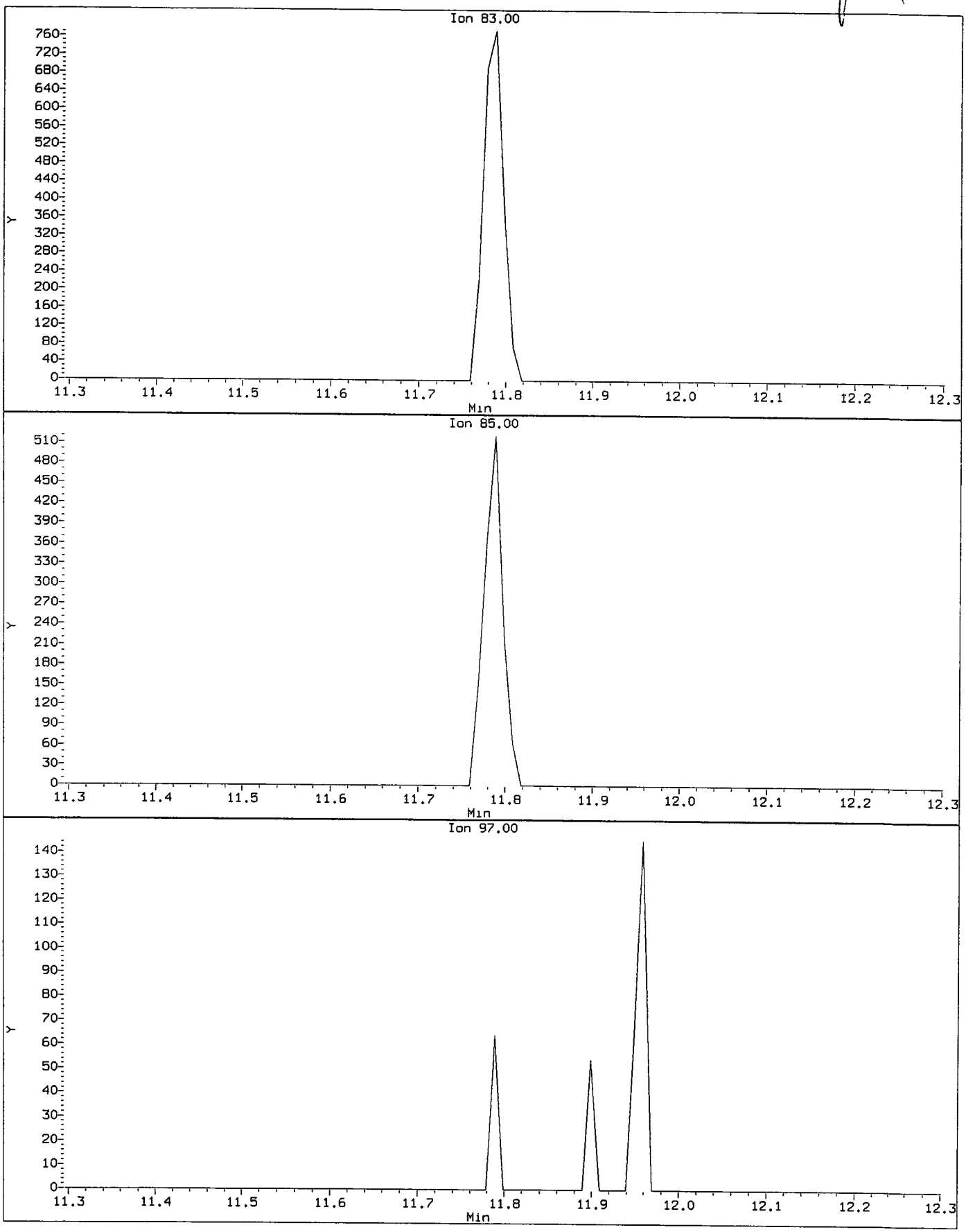
Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

Compound: 2-Hexanone
CAS Number:



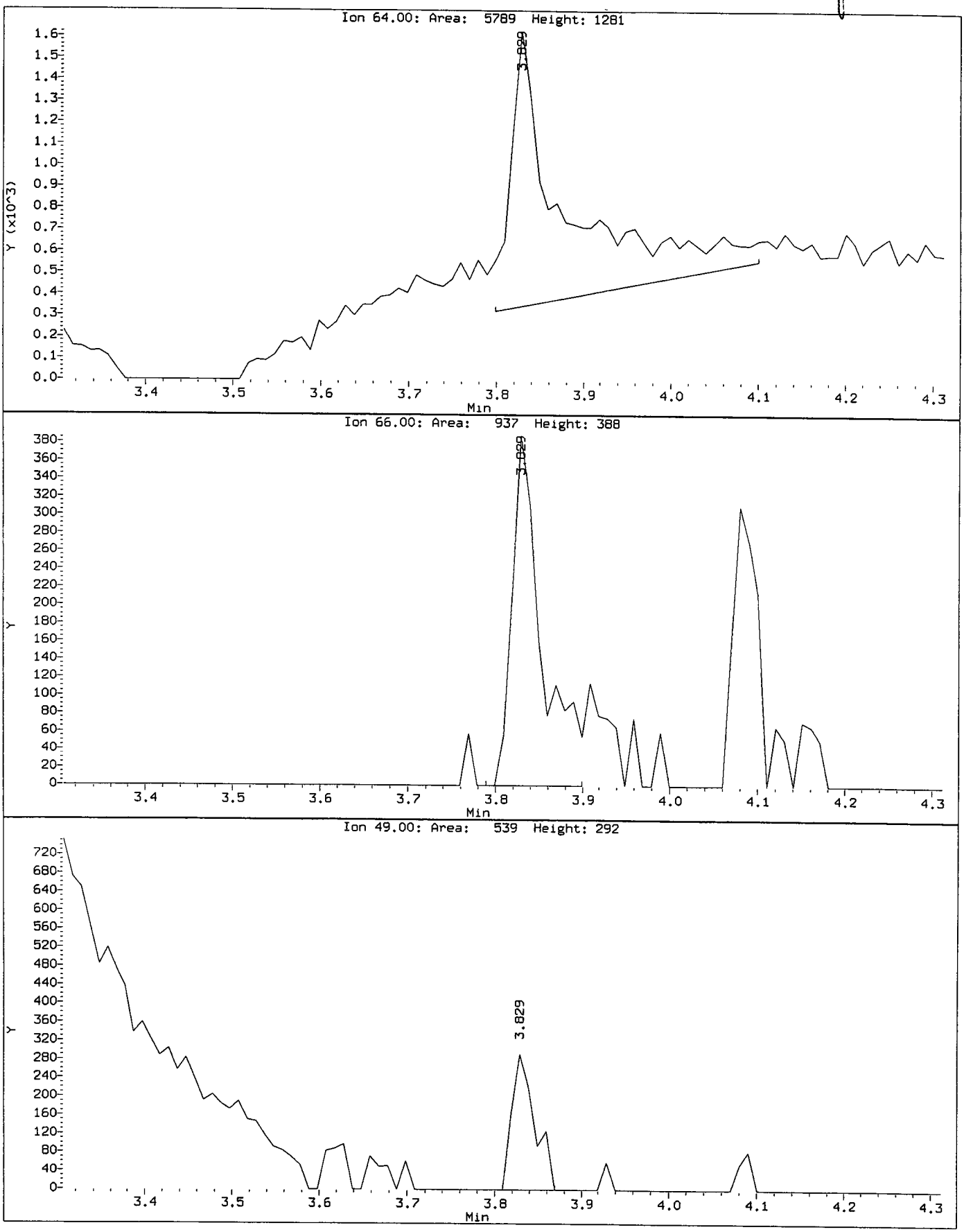
Data File: /chem1/finn5.i/09MAR11.b/0010309.d/0010309.LG
Injection Date: 09-MAR-2011 13:10
Instrument: finn5.i
Client Sample ID: VSTD1

Compound: 1,1,2,2-Tetrachloroethane
CAS Number:



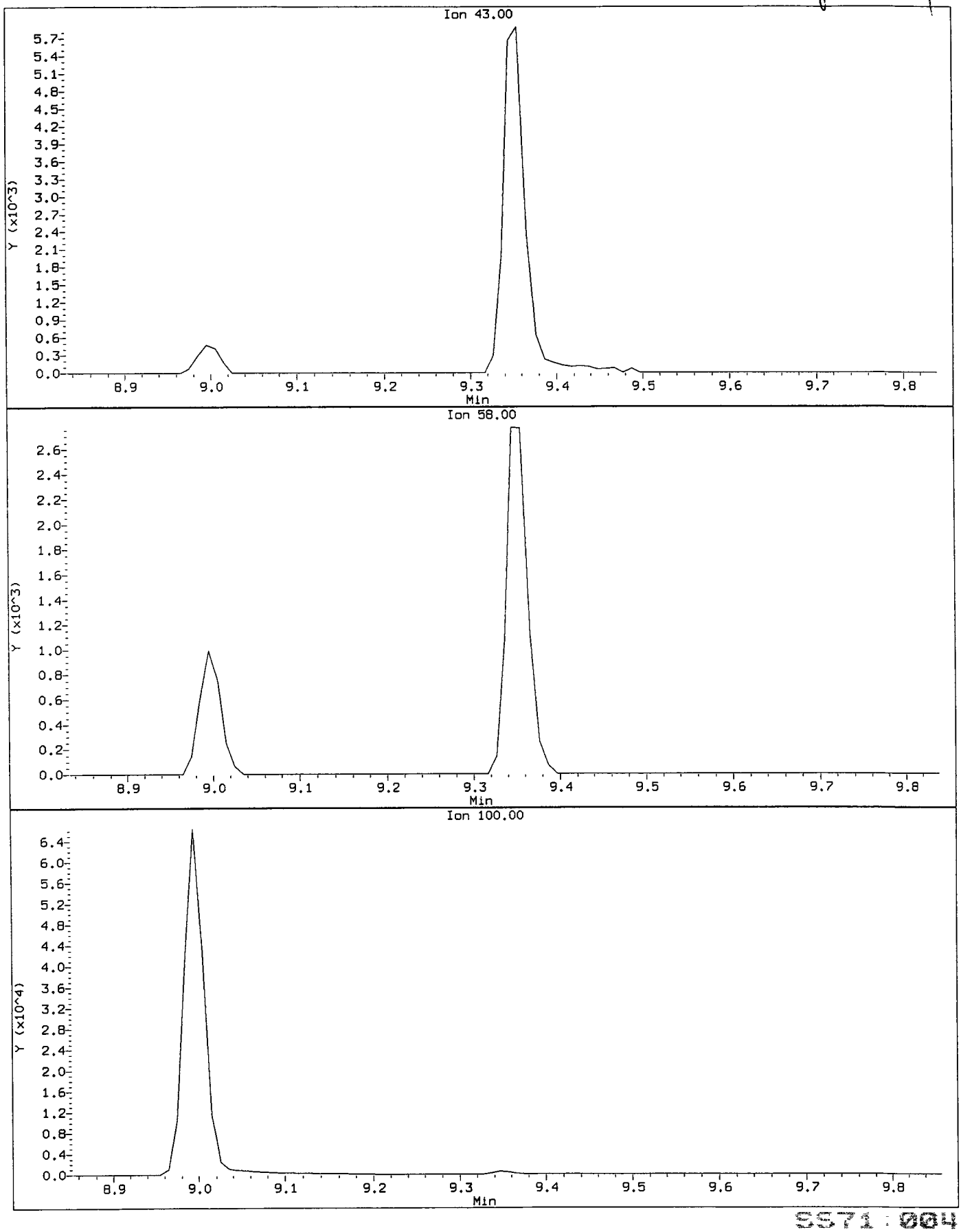
Data File: /chem1/finn5.i/09MAR11.b/0020309.d/0020309.LG
Injection Date: 09-MAR-2011 16:51
Instrument: finn5.i
Client Sample ID: VSTD2

Compound: Chloroethane
CAS Number:



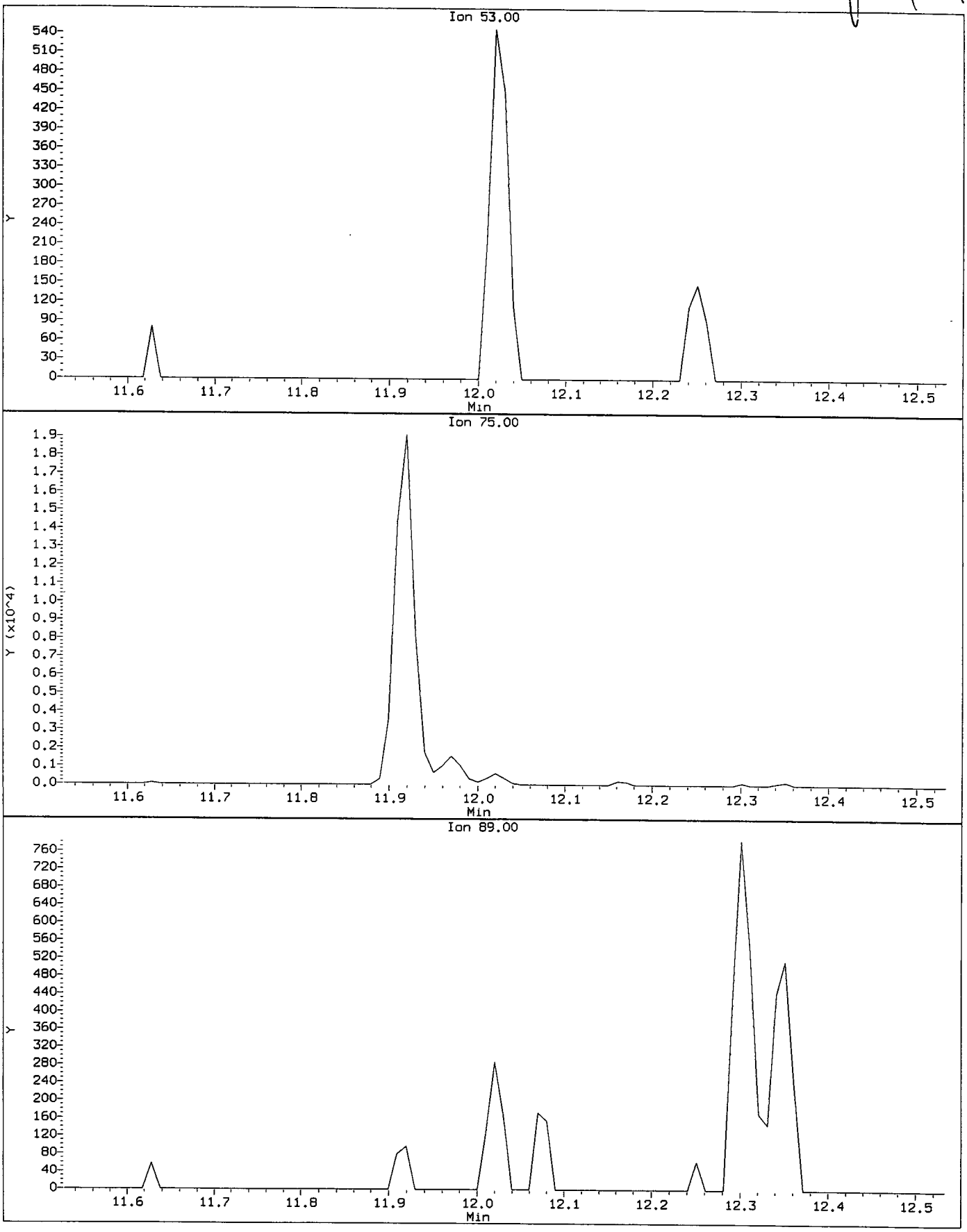
Data File: /chem1/finn5.i/09MAR11.b/0020309.d/0020309.LG
Injection Date: 09-MAR-2011 16:51
Instrument: finn5.i
Client Sample ID: VSTD2

Compound: 2-Hexanone
CAS Number:



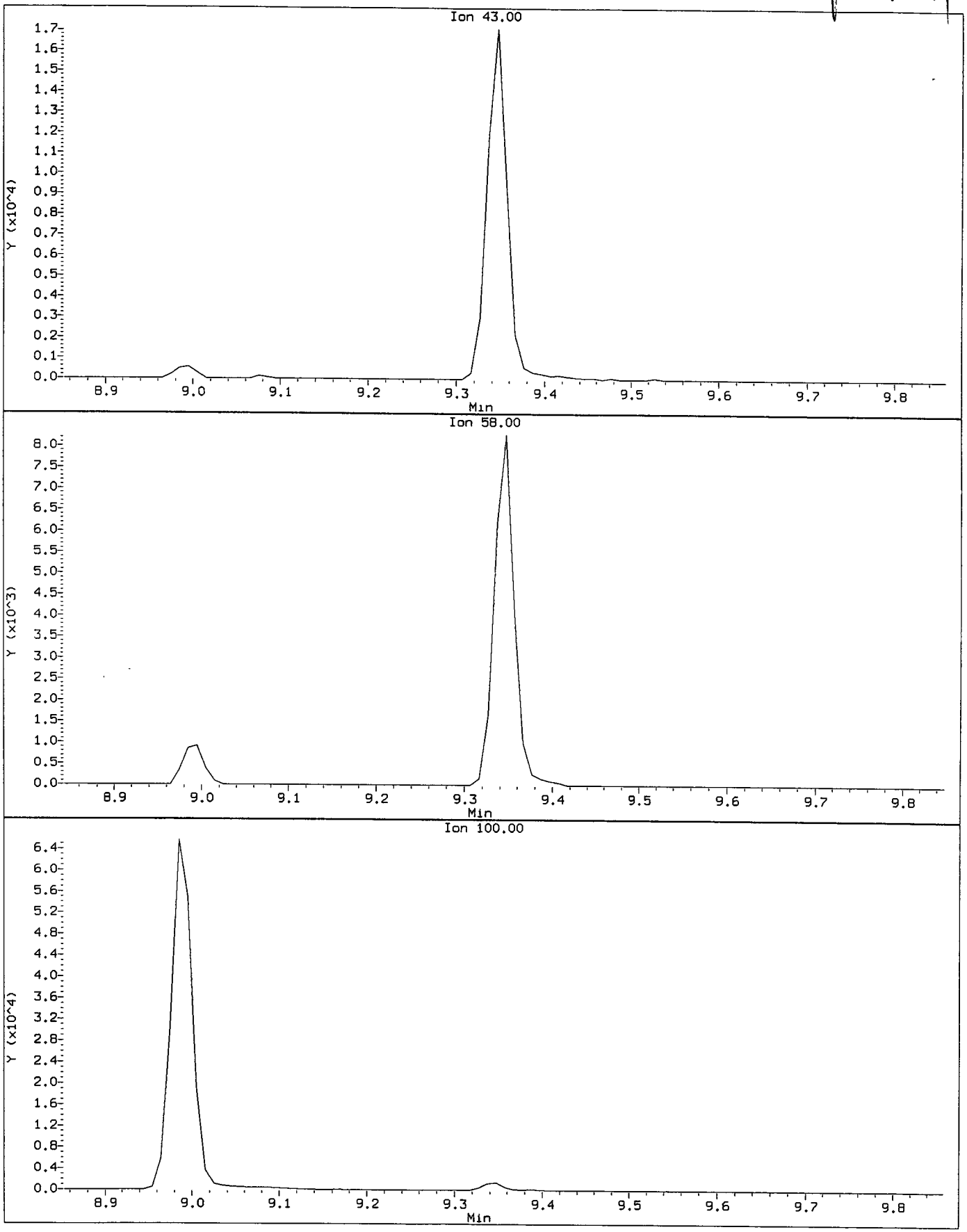
Data File: /chem1/finn5.i/09MAR11.b/0020309.d/0020309.LG
Injection Date: 09-MAR-2011 16:51
Instrument: finn5.i
Client Sample ID: VSTD2

Compound: Trans-1,4-Dichloro 2-Butene
CAS Number:



Data File: /chem1/finn5.1/09MAR11.b/0050309.d/0050309.LG
Injection Date: 09-MAR-2011 16:18
Instrument: finn5.1
Client Sample ID: VSTD5

Compound: 2-Hexanone
CAS Number:



Volatile Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: SS71

Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: SS71 Client ID: Floyd Snider

ARI SOP: **404S**(Gas) **410S**(BTEX) **430S**(VPH) **700S**(8260C) **703S**(SIM) **706S**(524.2) **710S**(RSK-175)

Parameter(s): _____

Instrument: NT-2 NT-3 NT-5 NT-7 NT-9 PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 5 Curve Date: 2/9/4 Analysis Start Date: 4/22/4

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):

all samples + QC on I run

- 5 - outside 12 hr QC period

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 4/25/4

Reviewer: _____ **Date:** _____

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 4/22/11 Analysis: 8260C Analyst: JM

GC Program: F5 Column No: 801729 Column Type: MRX502.2

Instrument Tune (.U or .CT.): BFB0422X.U EM Voltage: 1525

Calibration File: 05004221 Curve Date: 3/9/11

IS/SS	Ical/Ccal	LCS/ICV
W682-1	W685-2	W685-2

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/22APR11.b

	Time	Filename	LabID	ClientID	WT									
1	0853	BFB0422X.d	BFB0422	BFB0422	0.00									
2	0914	05004221.d	CC0422	VSTD50	5 00	6.43	102567	7.44	177589	10 57	179353	13.26	93650	
3	1006	LCS0422.d	LCS0422	LCS0422	5 00	6 42	107838	7 43	185350	10 57	183246	13.26	100177	
4	1042	LCS0422X.d	LCS0422	LCS0422	5.00	6.44	100760	7.45	167187	10.59	171142	13.27	93667	
5	1110	MB0422.d	MB0422	MB0422	5.00	6.44	90850	7.45	155096	10.59	153196	13.27	78794	
6	1154	SS71A.d	SS71A	LL-SB6-0-0.5-041811	5 00	6 43	86261	7 44	149823	10 57	142897	13.26	52208	
7	1218	SS71B.d	SS71B	LL-SB6-1.5-2-041811	5.00	6 43	83858	7.44	147295	10.58	141233	13.27	57567	
8	1245	SS71C.d	SS71C	LL-SB6-2-4-041811	5 00	6 42	87023	7 43	148928	10 57	140618	13.26	60146	
9	1313	SS71D.d	SS71D	LL-SB5-0-0.5-041811	5 00	6 43	81953	7 44	145207	10.57	119385	13.26	34483	
10	1341	SS71E.d	SS71E	LL-SB5-1.5-2-041811	5 00	6.42	85881	7.43	145136	10.57	134133	13 26	48937	
11	1409	SS71F.d	SS71F	LL-SB5-2-4-041811	5.00	6.44	80473	7.45	134243	10.58	119654	13.27	38378	
12	1437	SS71G.d	SS71G	LL-SB4-0-0.5-041911	5.00	6.44	77805	7.45	131766	10 59	114960	13.28	36667	
13	1504	SS71H.d	SS71H	LL-SB4-1.5-2-041911	5.00	6.44	70789	7.45	123295	10.58	122331	13.27	61262	
14	1532	SS71I.d	SS71I	LL-SB4-2-4-041911	5.00	6.44	73412	7.45	124478	10.59	124105	13.27	64558	
15	1600	SS71J.d	SS71J	LL-SB3-0-0.5-041911	5.00	6.42	71702	7.43	127747	10.57	122755	13.26	46823	
16	1628	SS71K.d	SS71K	LL-SB3-1.5-2-041911	5.00	6.42	81802	7.43	143245	10.57	143054	13.25	70361	
17	1655	SS71L.d	SS71L	LL-SB3-2-4-041911	5 00	6.45	72050	7.45	126124	10.59	126931	13.28	59188	
18	1723	SS71M.d	SS71M	LL-SB2-0-0.5-041911	5.00	6.42	83444	7.43	141982	10.57	136717	13.25	50156	
19	1751	SS71N.d	SS71N	LL-SB2-1.5-2-041911	5.00	6.43	82308	7.44	135942	10.58	141914	13.26	71850	
20	1819	SS71O.d	SS71O	LL-SB2-2-3.5-041911	5.00	6.42	68989	7.43	122009	10.57	123522	13.26	60884	
21	1846	SS71P.d	SS71P	LL-SB1-0-0.5-041911	5.00	6.44	71707	7.45	126585	10.59	134430	13.28	65466	
22	1914	SS71Q.d	SS71Q	LL-SB1-0-0.5-041911	5.00	6.44	63890	7 45	111794	10.58	119501	13.27	59097	
23	1942	SS71IMS.d	SS71IMS	LL-SB4-2-4-0419 MS	5.00	6.45	73313	7.46	127769	10.59	127610	13.28	72536	
24	2009	SS71IMSD.d	SS71IMSD	LL-SB4-2-4-0419 MSD	5.00	6.44	71094	7.45	116178	10.59	117510	13.27	66020	
25	2037	SS71R.d	SS71R	LL-SB1-1.5-2-041911	5.00	6.43	64567	7.44	105291	10.58	108918	13.26	53250	
26	2105	SS71S.d	SS71S	LL-SB1-2-4-041911	5.00	6.43	65024	7.44	109825	10.58	106582	13.26	51772	

Mainter

Mainten

Every line

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/22APR11.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 22-APR-2011

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0853	BFB0422X.d	BFB0422	BFB0422	1	NO MANUAL INTEGRATION
0914	05004221.d	CC0422	VSTD50	1	NO MANUAL INTEGRATION
1006	LCS0422.d	LCS0422	LCS0422	1	NO MANUAL INTEGRATION
1042	LCS0422X.d	LCS0422	LCS0422	1	NO MANUAL INTEGRATION
1110	MB0422.d	MB0422	MB0422	1	NO MANUAL INTEGRATION
1154	SS71A.d	SS71A	LL-SB6-0-0	1	NO MANUAL INTEGRATION
1218	SS71B.d	SS71B	LL-SB6-1.5	1	NO MANUAL INTEGRATION
1245	SS71C.d	SS71C	LL-SB6-2-4	1	NO MANUAL INTEGRATION
1313	SS71D.d	SS71D	LL-SB5-0-0	1	NO MANUAL INTEGRATION
1341	SS71E.d	SS71E	LL-SB5-1.5	1	NO MANUAL INTEGRATION
1409	SS71F.d	SS71F	LL-SB5-2-4	1	NO MANUAL INTEGRATION
1437	SS71G.d	SS71G	LL-SB4-0-0	1	NO MANUAL INTEGRATION
1504	SS71H.d	SS71H	LL-SB4-1.5	1	NO MANUAL INTEGRATION
1532	SS71I.d	SS71I	LL-SB4-2-4	1	NO MANUAL INTEGRATION
1600	SS71J.d	SS71J	LL-SB3-0-0	1	NO MANUAL INTEGRATION
1628	SS71K.d	SS71K	LL-SB3-1.5	1	NO MANUAL INTEGRATION
1655	SS71L.d	SS71L	LL-SB3-2-4	1	NO MANUAL INTEGRATION
1723	SS71M.d	SS71M	LL-SB2-0-0	1	NO MANUAL INTEGRATION
1751	SS71N.d	SS71N	LL-SB2-1.5	1	NO MANUAL INTEGRATION
1819	SS71O.d	SS71O	LL-SB2-2-3	1	NO MANUAL INTEGRATION
1846	SS71P.d	SS71P	LL-SB1-0-0	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/22APR11.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1914	SS71Q.d	SS71Q	LL-SB1-0-0	1	NO MANUAL INTEGRATION
1942	SS71IMS.d	SS71IMS	LL-SB4-2-4	1	NO MANUAL INTEGRATION
2009	SS71IMSD.d	SS71IMSD	LL-SB4-2-4	1	NO MANUAL INTEGRATION
2037	SS71R.d	SS71R	LL-SB1-1.5	1	NO MANUAL INTEGRATION

Q-FLAG SUMMARY FOR DATABATCH - /chem1/finn5.i/22APR11.b

Instrument: finn5.i Date: 22-APR-2011 Method: s8260b.m

INITIAL CAL: 09-MAR-2011

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 22-APR-2011

Compound	%D
Bromomethane	20.4
Trichlorofluoromethane	21.9
Iodomethane	22.7
2-Chloroethyl Vinyl Ether	32.3
Methyl tert-Butyl Ether	-48.0

Data File: /chem1/finn5.i/22APR11.b/BFB0422X.d

Date : 22-APR-2011 08:53

Client ID: BFB0422

Instrument: finn5.i

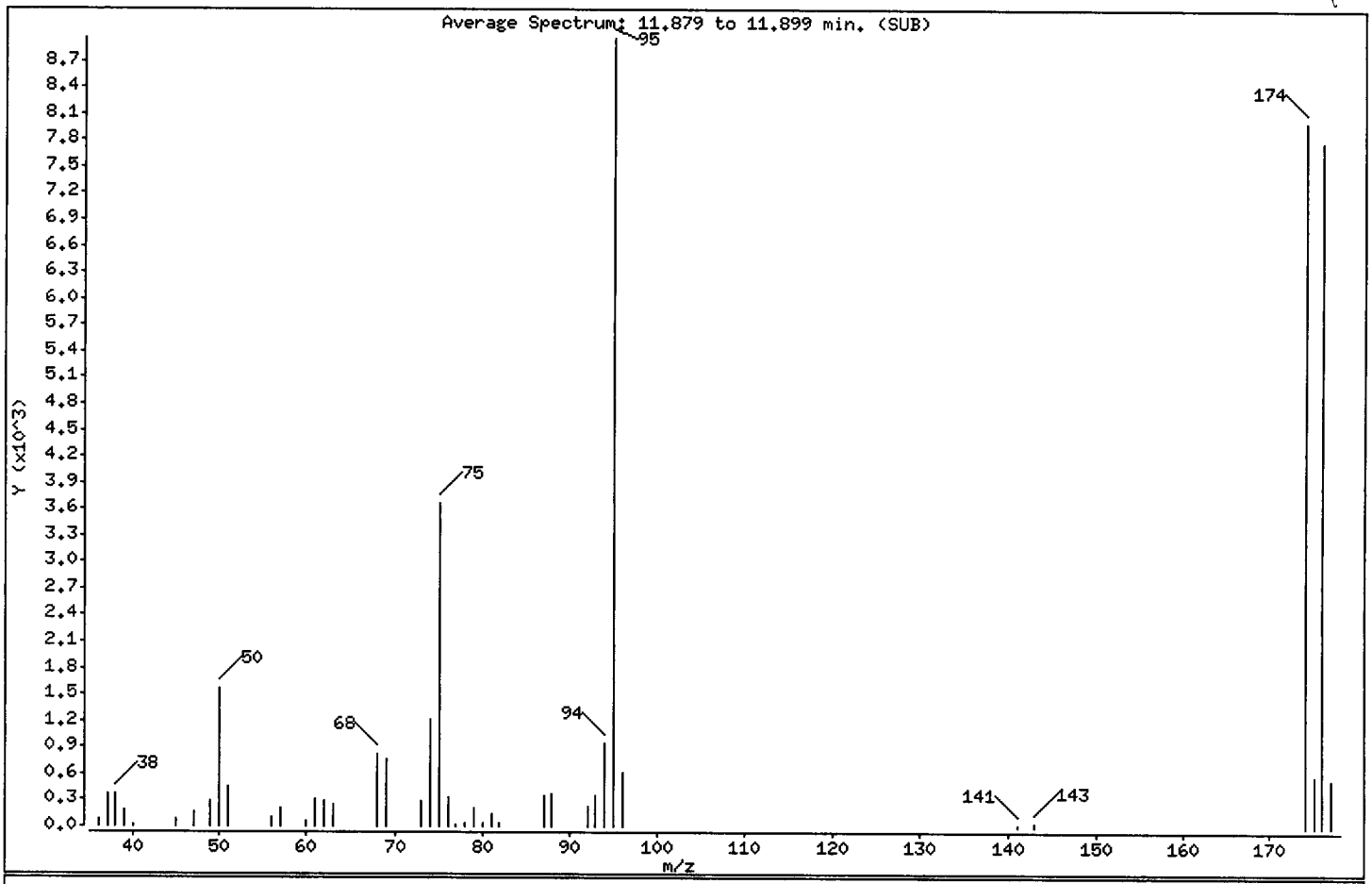
Sample Info: BFB0422,BFB0422,,1,22APR11,,

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	17.38
75	30.00 - 66.00% of mass 95	40.92
96	5.00 - 9.00% of mass 95	6.99
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 101.00% of mass 95	89.45
175	4.00 - 9.00% of mass 174	6.49 (7.26)
176	93.00 - 101.00% of mass 174	86.98 (97.23)
177	5.00 - 9.00% of mass 176	5.95 (6.84)

Data File: /chem1/finn5.i/22APR11.b/BFB0422X.d

Date : 22-APR-2011 08:53

Client ID: BFB0422

Instrument: finn5.i

Sample Info: BFB0422,BFB0422,,1,22APR11,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB0422X.d

Spectrum: Average Spectrum: 11.879 to 11.899 min. (SUB)

Location of Maximum: 95.00

Number of points: 41

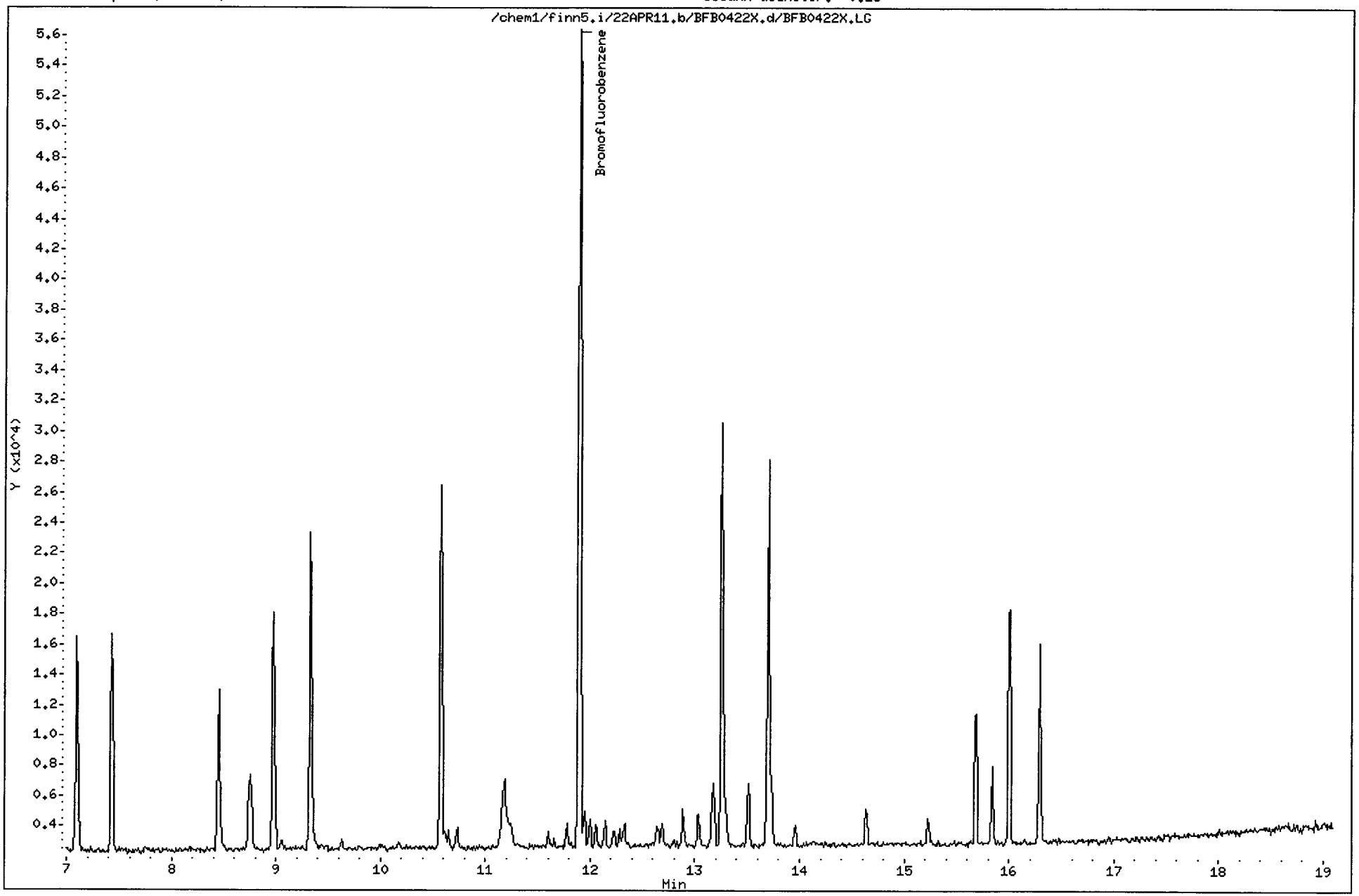
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	78	57.00	204	77.00	28	95.00	8961
37.00	367	60.00	52	78.00	45	96.00	626
38.00	370	61.00	306	79.00	201	141.00	18
39.00	185	62.00	286	80.00	51	143.00	34
40.00	16	63.00	255	81.00	135	174.00	8016
45.00	76	68.00	819	82.00	49	175.00	582
47.00	157	69.00	770	87.00	341	176.00	7794
49.00	298	73.00	295	88.00	374	177.00	533
50.00	1557	74.00	1213	92.00	224		
51.00	454	75.00	3667	93.00	345		
56.00	98	76.00	333	94.00	941		

Data File: /chem1/finn5.i/22APR11.b/BFB0422X.d
Date : 22-APR-2011 08:53
Client ID: BFB0422
Sample Info: BFB0422,BFB0422,,1,22APR11,,

Column phase: RTX502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/05004221.d
Lab Smp Id: CC0422 Client Smp ID: VSTD50
Inj Date : 22-APR-2011 09:14
Operator : PB Inst ID: finn5.i
Smp Info : CC0422,5,5,0
Misc Info : 11-
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 22-Apr-2011 10:31 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	2.874	2.874	(0.447)	58347	50.0000	56.105
2	Chloromethane	50	3.156	3.156	(0.491)	99246	50.0000	54.710
3	Vinyl Chloride	62	3.256	3.256	(0.506)	128445	50.0000	56.881
4	Bromomethane	94	3.739	3.739	(0.581)	47133	50.0000	60.182
5	Chloroethane	64	3.809	3.809	(0.592)	83142	50.0000	55.273
6	Trichlorofluoromethane	101	4.060	4.060	(0.631)	124711	50.0000	60.931
7	Acrolein	56	4.442	4.442	(0.691)	85728	250.000	271.27
8	112Trichloro122Trifluoroethane	101	4.462	4.462	(0.694)	97235	50.0000	59.687
9	Acetone	43	4.502	4.502	(0.700)	121516	250.000	259.67
10	1,1-Dichloroethene	96	4.653	4.653	(0.723)	60872	50.0000	53.697
11	Bromoethane	108	4.864	4.864	(0.756)	50163	50.0000	56.338
12	Iodomethane	142	4.965	4.965	(0.772)	65008	50.0000	61.360
13	Methylene Chloride	84	5.075	5.075	(0.789)	69487	50.0000	51.298
14	Acrylonitrile	53	5.166	5.166	(0.803)	23599	50.0000	45.215(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	5.206	5.206	(0.809)	144812	50.0000	26.002(Q)
	15 Carbon Disulfide	76	5.176	5.176	(0.805)	230642	50.0000	53.794
	17 Trans-1,2-Dichloroethene	96	5.357	5.357	(0.833)	69564	50.0000	53.231
	18 Vinyl Acetate	43	5.688	5.688	(0.884)	131330	50.0000	51.681
	19 1,1-Dichloroethane	63	5.739	5.739	(0.892)	122945	50.0000	51.770
	20 2-Butanone	43	6.090	6.090	(0.947)	164076	250.000	242.82
	21 2,2-Dichloropropane	77	6.261	6.261	(0.973)	88645	50.0000	56.019
	22 Cis-1,2-Dichloroethene	96	6.291	6.291	(0.978)	73268	50.0000	52.860
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	102567	50.0000	
	24 Chloroform	83	6.442	6.442	(1.002)	118491	50.0000	53.629
	26 Bromochloromethane	128	6.603	6.603	(1.027)	38483	50.0000	53.060
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	67438	50.0000	55.315(Q)
	27 1,1,1-Trichloroethane	97	6.824	6.824	(1.061)	94382	50.0000	55.478
	29 1,1-Dichloropropene	75	6.965	6.965	(0.936)	93095	50.0000	48.688
	30 Carbon Tetrachloride	117	7.085	7.085	(0.953)	97301	50.0000	55.924
$	31 d4-1,2-Dichloroethane	65	7.105	7.105	(1.105)	62583	50.0000	55.417
	32 1,2-Dichloroethane	62	7.186	7.186	(0.966)	76345	50.0000	48.394
	33 Benzene	78	7.236	7.236	(0.973)	252698	50.0000	50.628
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	177589	50.0000	
	35 Trichloroethene	95	7.799	7.799	(1.049)	75148	50.0000	51.327
	36 1,2-Dichloropropane	63	7.960	7.960	(1.070)	72951	50.0000	46.526
	37 Bromodichloromethane	83	8.191	8.191	(1.101)	89379	50.0000	50.304
	39 Dibromomethane	93	8.261	8.261	(1.111)	45441	50.0000	48.897
	40 2-Chloroethyl Vinyl Ether	63	8.422	8.422	(1.132)	22339	50.0000	66.139
	41 4-Methyl-2-Pentanone	58	8.452	8.452	(1.136)	133311	250.000	234.06
	42 Cis 1,3-dichloropropene	75	8.703	8.703	(1.170)	103286	50.0000	49.398
$	43 d8-Toluene	98	8.975	8.975	(1.207)	201362	50.0000	50.158
	44 Toluene	92	9.055	9.055	(1.218)	163848	50.0000	51.483
	45 Trans 1,3-Dichloropropene	75	9.196	9.196	(1.236)	91570	50.0000	51.783
	46 2-Hexanone	43	9.336	9.336	(0.883)	271402	250.000	214.32
	47 1,1,2-Trichloroethane	97	9.377	9.377	(1.261)	60628	50.0000	51.462
	48 1,3-Dichloropropane	76	9.638	9.638	(0.912)	110763	50.0000	48.551
	49 Tetrachloroethene	166	9.748	9.748	(0.922)	87861	50.0000	53.103
	50 Chlorodibromomethane	129	9.960	9.960	(0.942)	82333	50.0000	50.595
	51 1,2-Dibromoethane	107	10.181	10.181	(1.369)	70364	50.0000	51.566
*	52 d5-Chlorobenzene	117	10.573	10.573	(1.000)	179353	50.0000	
	53 Chlorobenzene	112	10.623	10.623	(1.005)	187414	50.0000	50.536
	54 Ethyl Benzene	91	10.653	10.653	(1.008)	297722	50.0000	52.285
	55 1,1,1,2-Tetrachloroethane	131	10.643	10.643	(1.007)	69269	50.0000	50.302
	56 m,p-xylene	106	10.733	10.733	(1.015)	238176	100.000	103.06
	57 o-Xylene	106	11.226	11.226	(1.062)	119270	50.0000	49.673
	58 Styrene	104	11.256	11.256	(1.065)	193720	50.0000	50.548
	59 Isopropyl Benzene	105	11.608	11.608	(0.876)	308669	50.0000	55.443
	60 Bromoform	173	11.658	11.658	(0.879)	55703	50.0000	50.335
	61 1,1,2,2-Tetrachloroethane	83	11.779	11.779	(0.889)	89667	50.0000	47.277
$	62 4-Bromofluorobenzene	95	11.899	11.899	(1.125)	86596	50.0000	47.038
	63 1,2,3-Trichloropropane	110	11.949	11.949	(0.901)	22810	50.0000	49.860

	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	12.010	12.010	(0.906)	23902	50.0000	48.396
	66 N-Propyl Benzene	91	12.060	12.060	(0.910)	352768	50.0000	56.971
	67 Bromobenzene	156	12.140	12.140	(0.916)	89083	50.0000	51.624
	68 1,3,5-Trimethyl Benzene	105	12.231	12.231	(0.923)	240589	50.0000	54.209
	69 2-Chloro Toluene	91	12.291	12.291	(0.927)	227010	50.0000	53.018
	70 4-Chloro Toluene	91	12.331	12.331	(0.930)	227962	50.0000	51.592
	71 T-Butyl Benzene	119	12.643	12.643	(0.954)	226931	50.0000	53.275
	72 1,2,4-Trimethylbenzene	105	12.693	12.693	(0.958)	240843	50.0000	54.063
	73 S-Butyl Benzene	105	12.884	12.884	(0.972)	336148	50.0000	56.602
	74 4-Isopropyl Toluene	119	13.035	13.035	(0.983)	262189	50.0000	56.328
	75 1,3-Dichlorobenzene	146	13.176	13.176	(0.994)	164139	50.0000	54.213
*	76 d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	93650	50.0000	
	77 1,4-Dichlorobenzene	146	13.296	13.296	(1.003)	161385	50.0000	53.542
	78 N-Butyl Benzene	91	13.507	13.507	(1.019)	260144	50.0000	56.666
$	79 d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	85495	50.0000	51.404
	80 1,2-Dichlorobenzene	146	13.738	13.738	(1.036)	146661	50.0000	51.684
	81 1,2-Dibromo 3-Chloropropane	75	14.643	14.643	(1.105)	14280	50.0000	42.050
	82 1,2,4-Trichlorobenzene	180	15.688	15.688	(1.183)	98104	50.0000	48.449
	83 Hexachloro 1,3-Butadiene	225	15.839	15.839	(1.195)	53235	50.0000	45.758
	84 Naphthalene	128	16.010	16.010	(1.208)	189328	50.0000	42.410
	85 1,2,3-Trichlorobenzene	180	16.301	16.301	(1.230)	87699	50.0000	43.931

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: 05004221.d
Lab Smp Id: CC0422
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-

Calibration Date: 22-APR-2011
Calibration Time: 08:00
Client Smp ID: VSTD50
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	91022	45511	182044	102567	12.68
34 1,4-Difluorobenze	153104	76552	306208	177589	15.99
52 d5-Chlorobenzene	143720	71860	287440	179353	24.79
76 d4-1,4-Dichlorobe	77398	38699	154796	93650	21.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.44	5.94	6.94	6.43	-0.16
34 1,4-Difluorobenze	7.45	6.95	7.95	7.44	-0.13
52 d5-Chlorobenzene	10.59	10.09	11.09	10.57	-0.19
76 d4-1,4-Dichlorobe	13.28	12.78	13.78	13.26	-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.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i
Lab File ID: 05004221.d
Analysis Type: SOIL
Lab Sample ID: CC0422
Method: /chem1/finn5.i/22APR11.b/s8260b.m

Injection Date: 22-APR-2011 09:14
Init. Cal. Date(s): 09-MAR-2011 09-MAR-2011
Init. Cal. Times: 13:10 16:51
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.50697	0.56887	0.010	12.21008	20.00000	Averaged	
2 Chloromethane	0.88433	0.96762	0.100	9.41928	20.00000	Averaged	
3 Vinyl Chloride	1.10080	1.25230	0.010	13.76290	20.00000	Averaged	
4 Bromomethane	0.38179	0.45954	0.010	20.36464	20.00000	Averaged	<-
5 Chloroethane	0.73328	0.81061	0.010	10.54564	20.00000	Averaged	
6 Trichlorofluoromethane	0.99777	1.21590	0.010	21.86147	20.00000	Averaged	<-
7 Acrolein	0.15406	0.16717	0.010	8.50792	20.00000	Averaged	
8 112Trichloro122Trifluoroeth	0.79416	0.94802	0.010	19.37335	20.00000	Averaged	
9 Acetone	0.22812	0.23695	0.010	3.86868	20.00000	Averaged	
10 1,1-Dichloroethene	0.55263	0.59349	0.010	7.39323	20.00000	Averaged	
11 Bromoethane	0.43406	0.48908	0.010	12.67562	20.00000	Averaged	
12 Iodomethane	0.51648	0.63382	0.010	22.71908	20.00000	Averaged	<-
13 Methylene Chloride	0.66034	0.67748	0.010	2.59565	20.00000	Averaged	
14 Acrylonitrile	0.25443	0.23008	0.010	-9.57014	20.00000	Averaged	
16 Methyl tert-Butyl Ether	2.71491	1.41188	0.010	-47.99557	20.00000	Averaged	<-
15 Carbon Disulfide	2.09010	2.24869	0.010	7.58761	20.00000	Averaged	
17 Trans-1,2-Dichloroethene	0.63707	0.67823	0.010	6.46178	20.00000	Averaged	
18 Vinyl Acetate	1.23877	1.28043	0.010	3.36274	20.00000	Averaged	
19 1,1-Dichloroethane	1.15770	1.19868	0.100	3.53955	20.00000	Averaged	
20 2-Butanone	0.32940	0.31994	0.010	-2.87294	20.00000	Averaged	
21 2,2-Dichloropropane	0.77141	0.86427	0.010	12.03731	20.00000	Averaged	
22 Cis-1,2-Dichloroethene	0.67569	0.71434	0.010	5.72107	20.00000	Averaged	
24 Chloroform	1.07708	1.15526	0.010	7.25826	20.00000	Averaged	
26 Bromochloromethane	0.35356	0.37520	0.010	6.12021	20.00000	Averaged	
$ 25 Dibromofluoromethane	0.59433	0.65751	0.010	10.62952	20.00000	Averaged	
27 1,1,1-Trichloroethane	0.82934	0.92020	0.010	10.95630	20.00000	Averaged	
29 1,1-Dichloropropene	0.53834	0.52422	0.010	-2.62351	20.00000	Averaged	
30 Carbon Tetrachloride	0.48986	0.54790	0.010	11.84913	20.00000	Averaged	
$ 31 d4-1,2-Dichloroethane	0.55053	0.61017	0.010	10.83388	20.00000	Averaged	
32 1,2-Dichloroethane	0.44417	0.42990	0.010	-3.21246	20.00000	Averaged	
33 Benzene	1.40527	1.42294	0.010	1.25700	20.00000	Averaged	
35 Trichloroethene	0.41221	0.42316	0.010	2.65487	20.00000	Averaged	
36 1,2-Dichloropropane	0.44146	0.41079	0.010	-6.94734	20.00000	Averaged	
37 Bromodichloromethane	0.50025	0.50329	0.010	0.60745	20.00000	Averaged	
39 Dibromomethane	0.26165	0.25588	0.010	-2.20654	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i
Lab File ID: 05004221.d
Analysis Type: SOIL
Lab Sample ID: CC0422
Method: /chem1/finn5.i/22APR11.b/s8260b.m

Injection Date: 22-APR-2011 09:14
Init. Cal. Date(s): 09-MAR-2011 09-MAR-2011
Init. Cal. Times: 13:10 16:51
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
40 2-Chloroethyl Vinyl Ether	0.09510	0.12580	0.001	32.27876	20.00000	Averaged	<-
41 4-Methyl-2-Pentanone	0.16036	0.15013	0.010	-6.37626	20.00000	Averaged	
42 Cis 1,3-dichloropropene	0.58869	0.58160	0.010	-1.20343	20.00000	Averaged	
$ 43 d8-Toluene	1.13029	1.13387	0.010	0.31618	20.00000	Averaged	
44 Toluene	0.89605	0.92263	0.010	2.96642	20.00000	Averaged	
45 Trans 1,3-Dichloropropene	0.49788	0.51563	0.010	3.56523	20.00000	Averaged	
46 2-Hexanone	0.35303	0.30264	0.010	-14.27203	20.00000	Averaged	
47 1,1,2-Trichloroethane	0.33170	0.34139	0.010	2.92387	20.00000	Averaged	
48 1,3-Dichloropropane	0.63601	0.61757	0.010	-2.89856	20.00000	Averaged	
49 Tetrachloroethene	0.46125	0.48988	0.010	6.20557	20.00000	Averaged	
50 Chlorodibromomethane	0.45366	0.45905	0.010	1.18988	20.00000	Averaged	
51 1,2-Dibromoethane	0.38419	0.39622	0.010	3.13139	20.00000	Averaged	
53 Chlorobenzene	1.03387	1.04494	0.300	1.07117	20.00000	Averaged	
54 Ethyl Benzene	1.58744	1.65997	0.010	4.56933	20.00000	Averaged	
55 1,1,1,2-Tetrachloroethane	0.38390	0.38621	0.010	0.60305	20.00000	Averaged	
56 m,p-xylene	0.64427	0.66398	0.010	3.06017	20.00000	Averaged	
57 o-Xylene	0.66938	0.66500	0.010	-0.65407	20.00000	Averaged	
58 Styrene	1.06840	1.08010	0.010	1.09530	20.00000	Averaged	
59 Isopropyl Benzene	2.97240	3.29597	0.010	10.88560	20.00000	Averaged	
60 Bromoform	0.59084	0.59480	0.100	0.67019	20.00000	Averaged	
61 1,1,2,2-Tetrachloroethane	1.01261	0.95747	0.300	-5.44605	20.00000	Averaged	
$ 62 4-Bromofluorobenzene	0.51323	0.48282	0.010	-5.92421	20.00000	Averaged	
63 1,2,3-Trichloropropane	0.24426	0.24357	0.010	-0.27920	20.00000	Averaged	
65 Trans-1,4-Dichloro 2-Butene	0.26369	0.25523	0.010	-3.20842	20.00000	Averaged	
66 N-Propyl Benzene	3.30593	3.76686	0.010	13.94258	20.00000	Averaged	
67 Bromobenzene	0.92132	0.95123	0.010	3.24704	20.00000	Averaged	
68 1,3,5-Trimethyl Benzene	2.36953	2.56900	0.010	8.41837	20.00000	Averaged	
69 2-Chloro Toluene	2.28602	2.42401	0.010	6.03612	20.00000	Averaged	
70 4-Chloro Toluene	2.35906	2.43417	0.010	3.18396	20.00000	Averaged	
71 T-Butyl Benzene	2.27420	2.42317	0.010	6.55034	20.00000	Averaged	
72 1,2,4-Trimethylbenzene	2.37846	2.57172	0.010	8.12531	20.00000	Averaged	
73 S-Butyl Benzene	3.17074	3.58938	0.010	13.20331	20.00000	Averaged	
74 4-Isopropyl Toluene	2.48513	2.79965	0.010	12.65621	20.00000	Averaged	
75 1,3-Dichlorobenzene	1.61648	1.75268	0.010	8.42549	20.00000	Averaged	
77 1,4-Dichlorobenzene	1.60925	1.72327	0.010	7.08496	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i
Lab File ID: 05004221.d
Analysis Type: SOIL
Lab Sample ID: CC0422
Method: /chem1/finn5.i/22APR11.b/s8260b.m

Injection Date: 22-APR-2011 09:14
Init. Cal. Date(s): 09-MAR-2011 09-MAR-2011
Init. Cal. Times: 13:10 16:51
Quant Type: ISTD

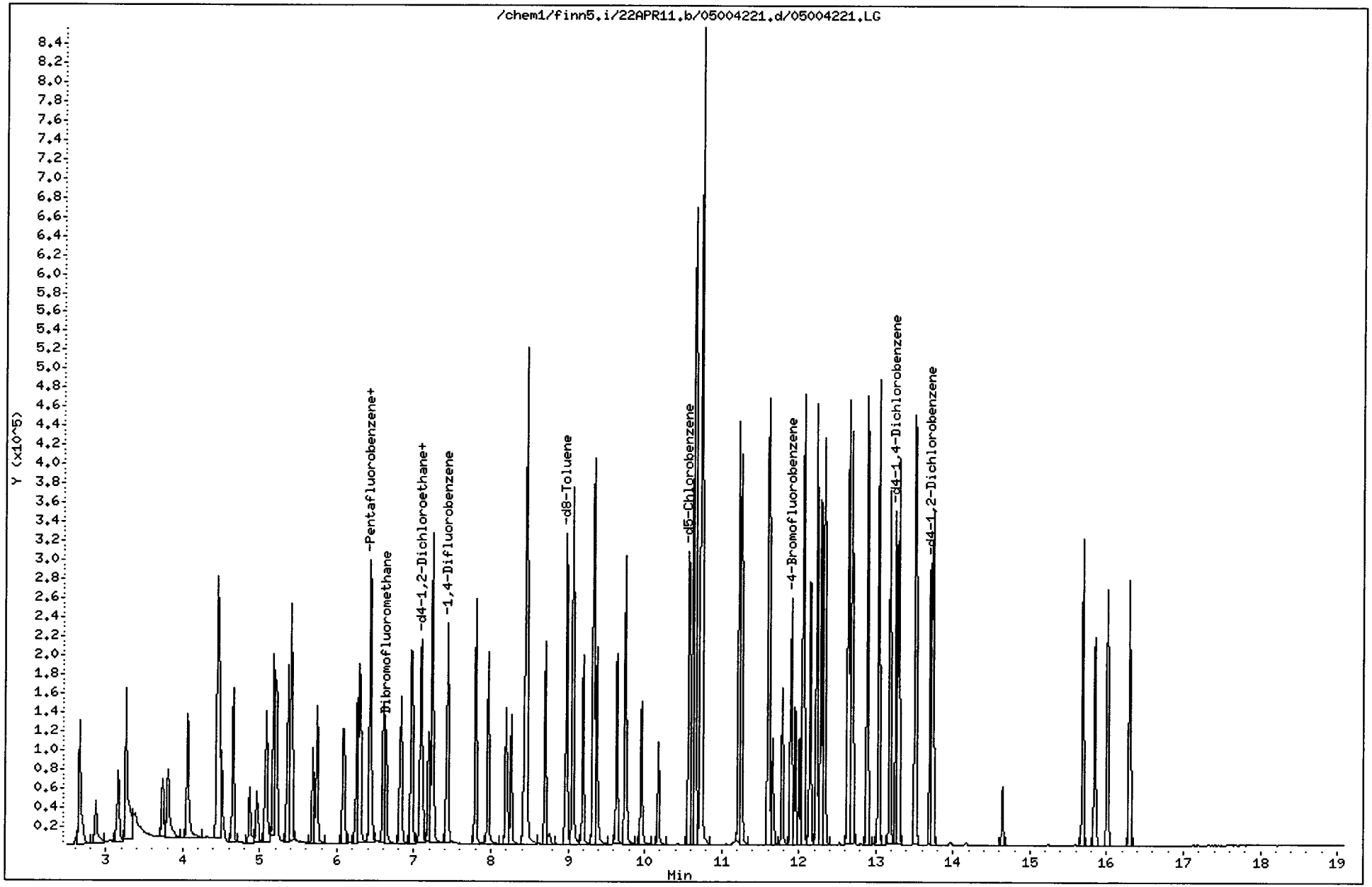
COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
78 N-Butyl Benzene	2.45104	2.77782	0.010	13.33190	20.00000	Averaged
$ 79 d4-1,2-Dichlorobenzene	0.88798	0.91292	0.010	2.80854	20.00000	Averaged
80 1,2-Dichlorobenzene	1.51503	1.56605	0.010	3.36747	20.00000	Averaged
81 1,2-Dibromo 3-Chloropropane	0.18132	0.15249	0.010	-15.90036	20.00000	Averaged
82 1,2,4-Trichlorobenzene	1.08110	1.04756	0.010	-3.10227	20.00000	Averaged
83 Hexachloro 1,3-Butadiene	0.62115	0.56844	0.010	-8.48465	20.00000	Averaged
84 Naphthalene	2.38344	2.02164	0.010	-15.17956	20.00000	Averaged
85 1,2,3-Trichlorobenzene	1.06583	0.93646	0.010	-12.13822	20.00000	Averaged

Data File: /chem1/finn5.i/22APR11.b/05004221.d
Date : 22-APR-2011 09:14
Client ID: VSTD50
Sample Info: CC0422,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/LCS0422.d
Lab Smp Id: LCS0422 Client Smp ID: LCS0422
Inj Date : 22-APR-2011 10:06
Operator : PB Inst ID: finn5.i
Smp Info : LCS0422,5,5,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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

4/25/11

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	2.864	2.874	(0.446)	50545	46.2269	46.227
2 Chloromethane	50	3.156	3.156	(0.491)	88691	46.5013	46.501
3 Vinyl Chloride	62	3.256	3.256	(0.507)	112089	47.2121	47.212
4 Bromomethane	94	3.739	3.739	(0.582)	43324	52.6144	52.614
5 Chloroethane	64	3.809	3.809	(0.593)	74523	47.1213	47.121
6 Trichlorofluoromethane	101	4.060	4.060	(0.632)	109727	50.9896	50.990
7 Acrolein	56	4.442	4.442	(0.692)	87882	264.492	264.49
8 112Trichloro122Trifluoroethane	101	4.452	4.462	(0.693)	87612	51.1509	51.151
9 Acetone	43	4.492	4.502	(0.700)	128639	261.456	261.46
10 1,1-Dichloroethene	96	4.643	4.653	(0.723)	57119	47.9227	47.923
11 Bromoethane	108	4.864	4.864	(0.757)	45843	48.9690	48.969
12 Iodomethane	142	4.955	4.965	(0.772)	57631	51.7372	51.737
13 Methylene Chloride	84	5.075	5.075	(0.790)	68703	48.2399	48.240
14 Acrylonitrile	53	5.166	5.166	(0.804)	23928	43.6045	43.604(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	5.206	5.206	(0.811)	143489	24.5053	24.505(QR)
	15 Carbon Disulfide	76	5.176	5.176	(0.806)	207197	45.9636	45.964
	17 Trans-1,2-Dichloroethene	96	5.357	5.357	(0.834)	62115	45.2074	45.207
	18 Vinyl Acetate	43	5.678	5.688	(0.884)	130794	48.9546	48.955
	19 1,1-Dichloroethane	63	5.739	5.739	(0.894)	110840	44.3914	44.391
	20 2-Butanone	43	6.080	6.090	(0.947)	171194	240.967	240.97
	21 2,2-Dichloropropane	77	6.251	6.261	(0.973)	78419	47.1338	47.134
	22 Cis-1,2-Dichloroethene	96	6.291	6.291	(0.980)	63049	43.2645	43.264(Q)
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	107838	50.0000	
	24 Chloroform	83	6.432	6.442	(1.002)	104446	44.9615	44.962
	26 Bromochloromethane	128	6.603	6.603	(1.028)	36449	47.7988	47.799
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	67903	52.9732	52.973(Q)
	27 1,1,1-Trichloroethane	97	6.824	6.824	(1.063)	86900	48.5832	48.583
	29 1,1-Dichloropropene	75	6.965	6.965	(0.938)	86427	43.3082	43.308
	30 Carbon Tetrachloride	117	7.085	7.085	(0.954)	86586	47.6822	47.682
$	31 d4-1,2-Dichloroethane	65	7.095	7.105	(1.105)	63406	53.4010	53.401
	32 1,2-Dichloroethane	62	7.186	7.186	(0.968)	74251	45.0956	45.096
	33 Benzene	78	7.236	7.236	(0.974)	229804	44.1138	44.114
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	185350	50.0000	
	35 Trichloroethene	95	7.799	7.799	(1.050)	66996	43.8434	43.843
	36 1,2-Dichloropropane	63	7.960	7.960	(1.072)	67769	41.4114	41.411
	37 Bromodichloromethane	83	8.191	8.191	(1.103)	82374	44.4198	44.420
	39 Dibromomethane	93	8.261	8.261	(1.112)	43993	45.3561	45.356
	40 2-Chloroethyl Vinyl Ether	63	8.412	8.422	(1.133)	22308	63.2796	63.280(Q)
	41 4-Methyl-2-Pentanone	58	8.452	8.452	(1.138)	140402	236.188	236.19
	42 Cis 1,3-dichloropropene	75	8.703	8.703	(1.172)	100797	46.1892	46.189
$	43 d8-Toluene	98	8.975	8.975	(1.208)	201918	48.1905	48.190
	44 Toluene	92	9.055	9.055	(1.219)	146852	44.2106	44.211
	45 Trans 1,3-Dichloropropene	75	9.186	9.196	(1.237)	85915	46.5500	46.550
	46 2-Hexanone	43	9.326	9.336	(0.882)	297657	230.060	230.06
	47 1,1,2-Trichloroethane	97	9.367	9.377	(1.261)	57693	46.9203	46.920
	48 1,3-Dichloropropane	76	9.628	9.638	(0.911)	104995	45.0446	45.044
	49 Tetrachloroethene	166	9.748	9.748	(0.922)	77434	45.8066	45.806
	50 Chlorodibromomethane	129	9.949	9.960	(0.941)	78109	46.9797	46.980
	51 1,2-Dibromoethane	107	10.171	10.181	(1.369)	67894	47.6719	47.672
*	52 d5-Chlorobenzene	117	10.573	10.573	(1.000)	183246	50.0000	
	53 Chlorobenzene	112	10.613	10.623	(1.004)	170634	45.0336	45.034
	54 Ethyl Benzene	91	10.653	10.653	(1.008)	265599	45.6525	45.652
	55 1,1,1,2-Tetrachloroethane	131	10.643	10.643	(1.007)	63468	45.1100	45.110
	56 m,p-xylene	106	10.733	10.733	(1.015)	219233	92.8483	92.848
	57 o-Xylene	106	11.216	11.226	(1.061)	108811	44.3542	44.354
	58 Styrene	104	11.246	11.256	(1.064)	176947	45.1903	45.190
	59 Isopropyl Benzene	105	11.598	11.608	(0.875)	275135	46.1998	46.200
	60 Bromoform	173	11.658	11.658	(0.879)	53996	45.6136	45.614
	61 1,1,2,2-Tetrachloroethane	83	11.779	11.779	(0.889)	89134	43.9341	43.934
$	62 4-Bromofluorobenzene	95	11.899	11.899	(1.125)	91095	48.4306	48.430
	63 1,2,3-Trichloropropane	110	11.949	11.949	(0.901)	22876	46.7452	46.745

	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	12.000	12.010	(0.905)	23769	44.9906	44.990
	66 N-Propyl Benzene	91	12.050	12.060	(0.909)	316440	47.7750	47.775
	67 Bromobenzene	156	12.140	12.140	(0.916)	81547	44.1775	44.177
	68 1,3,5-Trimethyl Benzene	105	12.231	12.231	(0.923)	215725	45.4402	45.440
	69 2-Chloro Toluene	91	12.281	12.291	(0.926)	193437	42.2339	42.234
	70 4-Chloro Toluene	91	12.331	12.331	(0.930)	218595	46.2491	46.249
	71 T-Butyl Benzene	119	12.633	12.643	(0.953)	199966	43.8863	43.886
	72 1,2,4-Trimethylbenzene	105	12.683	12.693	(0.957)	219063	45.9701	45.970
	73 S-Butyl Benzene	105	12.884	12.884	(0.972)	301408	47.4456	47.446
	74 4-Isopropyl Toluene	119	13.035	13.035	(0.983)	236256	47.4500	47.450
	75 1,3-Dichlorobenzene	146	13.176	13.176	(0.994)	148989	46.0029	46.003
*	76 d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	100177	50.0000	
	77 1,4-Dichlorobenzene	146	13.296	13.296	(1.003)	146468	45.4277	45.428
	78 N-Butyl Benzene	91	13.507	13.507	(1.019)	232677	47.3810	47.381
$	79 d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	91002	51.1504	51.150
	80 1,2-Dichlorobenzene	146	13.728	13.738	(1.036)	136148	44.8530	44.853
	81 1,2-Dibromo 3-Chloropropane	75	14.633	14.643	(1.104)	14816	40.7835	40.783
	82 1,2,4-Trichlorobenzene	180	15.678	15.688	(1.183)	92863	42.8727	42.873
	83 Hexachloro 1,3-Butadiene	225	15.839	15.839	(1.195)	48697	39.1300	39.130
	84 Naphthalene	128	16.010	16.010	(1.208)	192701	40.3536	40.354
	85 1,2,3-Trichlorobenzene	180	16.291	16.301	(1.229)	86008	40.2767	40.277

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: LCS0422.d
Lab Smp Id: LCS0422
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LCS0422
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	91022	45511	182044	107838	18.47
34 1,4-Difluorobenze	153104	76552	306208	185350	21.06
52 d5-Chlorobenzene	143720	71860	287440	183246	27.50
76 d4-1,4-Dichlorobe	77398	38699	154796	100177	29.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: 22APR11
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: LCS0422
Client Smp ID: LCS0422
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/22APR11.b/s8260b.m
Misc Info: 11-8662

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.000	46.227	92.45	53-148
2 Chloromethane	50.000	46.501	93.00	64-125
3 Vinyl Chloride	50.000	47.212	94.42	63-137
4 Bromomethane	50.000	52.614	105.23	57-136
5 Chloroethane	50.000	47.121	94.24	64-131
6 Trichlorofluoromet	50.000	50.990	101.98	69-132
7 Acrolein	250.00	264.49	105.80	54-137
8 112Trichloro122Tri	50.000	51.151	102.30	74-130
9 Acetone	250.00	261.46	104.58	60-131
10 1,1-Dichloroethene	50.000	47.923	95.85	75-126
11 Bromoethane	50.000	48.969	97.94	76-126
12 Iodomethane	50.000	51.737	103.47	65-139
13 Methylene Chloride	50.000	48.240	96.48	70-123
15 Carbon Disulfide	50.000	45.964	91.93	71-129
14 Acrylonitrile	50.000	43.604	87.21	67-125
16 Methyl tert-Butyl	50.000	24.505	49.01*	70-120
17 Trans-1,2-Dichloro	50.000	45.207	90.41	80-120
18 Vinyl Acetate	50.000	48.955	97.91	60-136
19 1,1-Dichloroethane	50.000	44.391	88.78	80-120
20 2-Butanone	250.00	240.97	96.39	70-120
21 2,2-Dichloropropan	50.000	47.134	94.27	74-123
22 Cis-1,2-Dichloroet	50.000	43.264	86.53	80-120
24 Chloroform	50.000	44.962	89.92	80-120
26 Bromochloromethane	50.000	47.799	95.60	80-120
27 1,1,1-Trichloroeth	50.000	48.583	97.17	77-121
29 1,1-Dichloropropen	50.000	43.308	86.62	80-120
30 Carbon Tetrachlori	50.000	47.682	95.36	77-122
32 1,2-Dichloroethane	50.000	45.096	90.19	76-120
33 Benzene	50.000	44.114	88.23	80-120
35 Trichloroethene	50.000	43.843	87.69	80-120
36 1,2-Dichloropropan	50.000	41.411	82.82	80-120
37 Bromodichlorometha	50.000	44.420	88.84	77-121
39 Dibromomethane	50.000	45.356	90.71	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	63.280	126.56	10-191
41 4-Methyl-2-Pentano	250.00	236.19	94.48	67-120
42 Cis 1,3-dichloropr	50.000	46.189	92.38	74-120
44 Toluene	50.000	44.211	88.42	80-120
45 Trans 1,3-Dichloro	50.000	46.550	93.10	65-120
46 2-Hexanone	250.00	230.06	92.02	65-130
47 1,1,2-Trichloroeth	50.000	46.920	93.84	80-120
48 1,3-Dichloropropan	50.000	45.044	90.09	80-120
49 Tetrachloroethene	50.000	45.806	91.61	80-121
50 Chlorodibromometha	50.000	46.980	93.96	64-120
51 1,2-Dibromoethane	50.000	47.672	95.34	75-120
53 Chlorobenzene	50.000	45.034	90.07	80-120
55 1,1,1,2-Tetrachlor	50.000	45.110	90.22	69-121
54 Ethyl Benzene	50.000	45.652	91.31	80-127
56 m,p-xylene	100.00	92.848	92.85	80-125
57 o-Xylene	50.000	44.354	88.71	78-120
58 Styrene	50.000	45.190	90.38	80-123
59 Isopropyl Benzene	50.000	46.200	92.40	80-127
60 Bromoform	50.000	45.614	91.23	60-120
61 1,1,2,2-Tetrachlor	50.000	43.934	87.87	74-120
63 1,2,3-Trichloropro	50.000	46.745	93.49	72-121
65 Trans-1,4-Dichloro	50.000	44.990	89.98	65-126
66 N-Propyl Benzene	50.000	47.775	95.55	80-132
67 Bromobenzene	50.000	44.177	88.35	80-120
68 1,3,5-Trimethyl Be	50.000	45.440	90.88	80-125
69 2-Chloro Toluene	50.000	42.234	84.47	80-125
70 4-Chloro Toluene	50.000	46.249	92.50	80-127
71 T-Butyl Benzene	50.000	43.886	87.77	87-122
72 1,2,4-Trimethylben	50.000	45.970	91.94	80-126
73 S-Butyl Benzene	50.000	47.446	94.89	80-134
74 4-Isopropyl Toluen	50.000	47.450	94.90	80-131
75 1,3-Dichlorobenzen	50.000	46.003	92.01	80-120
77 1,4-Dichlorobenzen	50.000	45.428	90.86	80-120
78 N-Butyl Benzene	50.000	47.381	94.76	80-138
80 1,2-Dichlorobenzen	50.000	44.853	89.71	80-120
81 1,2-Dibromo 3-Chlo	50.000	40.783	81.57	59-120
82 1,2,4-Trichloroben	50.000	42.873	85.75	78-130
83 Hexachloro 1,3-But	50.000	39.130	78.26	76-129
84 Naphthalene	50.000	40.354	80.71	66-120
85 1,2,3-Trichloroben	50.000	40.277	80.55	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	52.973	105.95	30-160

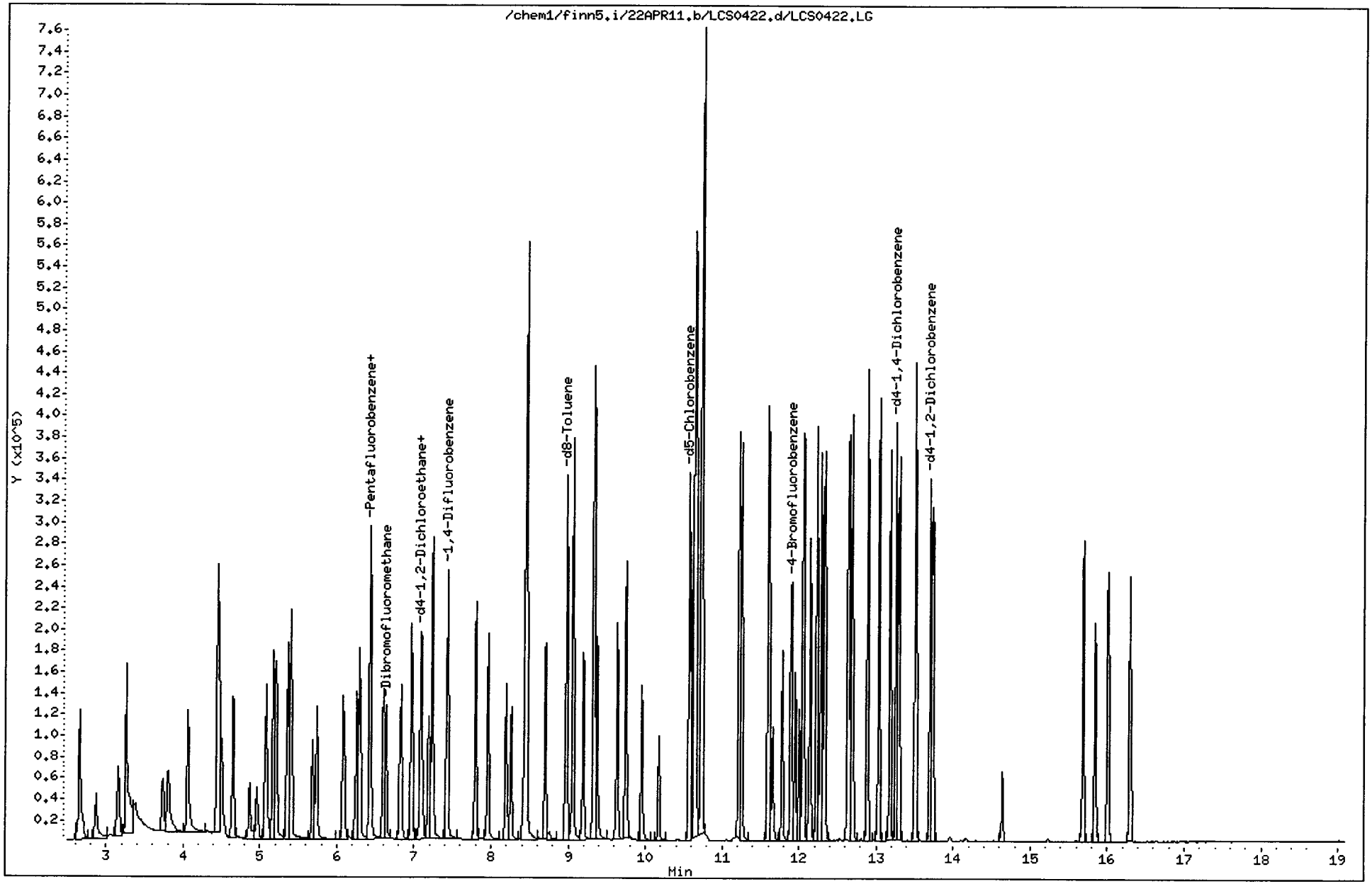
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	53.401	106.80	75-152
$ 43 d8-Toluene	50.000	48.190	96.38	82-115
$ 62 4-Bromofluorobenze	50.000	48.430	96.86	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.150	102.30	80-120

Data File: /chem1/finn5.i/22APR11.b/LCS0422.d
Date : 22-APR-2011 10:06
Client ID: LCS0422
Sample Info: LCS0422,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - LCS0422.d

Lab ID: LCS0422, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/LCS0422X.d
Lab Smp Id: LCS0422 Client Smp ID: LCS0422
Inj Date : 22-APR-2011 10:42
Operator : PB Inst ID: finn5.i
Smp Info : LCS0422,5,5,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	2.884	2.874	(0.448)	55163	53.9943	53.994
2 Chloromethane	50	3.176	3.156	(0.493)	94483	53.0179	53.018
3 Vinyl Chloride	62	3.276	3.256	(0.509)	119062	53.6719	53.672
4 Bromomethane	94	3.749	3.739	(0.582)	42307	54.9885	54.988
5 Chloroethane	64	3.819	3.809	(0.593)	81698	55.2869	55.287
6 Trichlorofluoromethane	101	4.080	4.060	(0.633)	118040	58.7058	58.706
7 Acrolein	56	4.462	4.442	(0.693)	90247	290.690	290.69
8 112Trichloro122Trifluoroethane	101	4.472	4.462	(0.694)	92823	58.0001	58.000
9 Acetone	43	4.512	4.502	(0.700)	128727	280.014	280.01
10 1,1-Dichloroethene	96	4.663	4.653	(0.724)	58629	52.6449	52.645
11 Bromoethane	108	4.884	4.864	(0.758)	49180	56.2239	56.224
12 Iodomethane	142	4.975	4.965	(0.772)	57614	55.3552	55.355
13 Methylene Chloride	84	5.095	5.075	(0.791)	70201	52.7543	52.754
14 Acrylonitrile	53	5.186	5.166	(0.805)	24963	48.6862	48.686(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	5.226	5.206	(0.811)	146357	26.7509	26.751(QR)
	15 Carbon Disulfide	76	5.196	5.176	(0.807)	219172	52.0355	52.035
	17 Trans-1,2-Dichloroethene	96	5.377	5.357	(0.835)	66382	51.7067	51.707
	18 Vinyl Acetate	43	5.698	5.688	(0.885)	136262	54.5839	54.584
	19 1,1-Dichloroethane	63	5.749	5.739	(0.892)	117558	50.3893	50.389
	20 2-Butanone	43	6.100	6.090	(0.947)	181193	272.957	272.96
	21 2,2-Dichloropropane	77	6.271	6.261	(0.973)	86939	55.9255	55.925
	22 Cis-1,2-Dichloroethene	96	6.311	6.291	(0.980)	70561	51.8205	51.820
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	100760	50.0000	
	24 Chloroform	83	6.452	6.442	(1.002)	110721	51.0109	51.011
	26 Bromochloromethane	128	6.613	6.603	(1.027)	38031	53.3768	53.377
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	64850	54.1453	54.145(Q)
	27 1,1,1-Trichloroethane	97	6.844	6.824	(1.062)	94846	56.7504	56.750
	29 1,1-Dichloropropene	75	6.985	6.965	(0.938)	91461	50.8097	50.810
	30 Carbon Tetrachloride	117	7.095	7.085	(0.953)	94101	57.4504	57.450
$	31 d4-1,2-Dichloroethane	65	7.115	7.105	(1.105)	62200	56.0652	56.065
	32 1,2-Dichloroethane	62	7.206	7.186	(0.968)	77771	52.3649	52.365
	33 Benzene	78	7.246	7.236	(0.973)	245077	52.1566	52.157
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	167187	50.0000	
	35 Trichloroethene	95	7.819	7.799	(1.050)	73593	53.3927	53.393
	36 1,2-Dichloropropane	63	7.980	7.960	(1.072)	71401	48.3708	48.371
	37 Bromodichloromethane	83	8.211	8.191	(1.103)	88074	52.6531	52.653
	39 Dibromomethane	93	8.281	8.261	(1.112)	44604	50.9819	50.982
	40 2-Chloroethyl Vinyl Ether	63	8.432	8.422	(1.132)	23664	74.4185	74.418(Q)
	41 4-Methyl-2-Pentanone	58	8.472	8.452	(1.138)	148856	277.613	277.61
	42 Cis 1,3-dichloropropene	75	8.713	8.703	(1.170)	103472	52.5660	52.566
$	43 d8-Toluene	98	8.995	8.975	(1.208)	193974	51.3240	51.324
	44 Toluene	92	9.075	9.055	(1.219)	161069	53.7587	53.759
	45 Trans 1,3-Dichloropropene	75	9.206	9.196	(1.236)	88976	53.4458	53.446
	46 2-Hexanone	43	9.346	9.336	(0.882)	309576	256.195	256.19
	47 1,1,2-Trichloroethane	97	9.387	9.377	(1.260)	61034	55.0300	55.030
	48 1,3-Dichloropropane	76	9.648	9.638	(0.911)	111095	51.0324	51.032
	49 Tetrachloroethene	166	9.759	9.748	(0.921)	83545	52.9169	52.917
	50 Chlorodibromomethane	129	9.970	9.960	(0.941)	79587	51.2542	51.254
	51 1,2-Dibromoethane	107	10.191	10.181	(1.368)	70662	55.0056	55.006
*	52 d5-Chlorobenzene	117	10.593	10.573	(1.000)	171142	50.0000	
	53 Chlorobenzene	112	10.633	10.623	(1.004)	180873	51.1120	51.112
	54 Ethyl Benzene	91	10.663	10.653	(1.007)	293355	53.9896	53.990
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.643	(1.007)	67378	51.2760	51.276
	56 m,p-xylene	106	10.743	10.733	(1.014)	240293	108.965	108.96
	57 o-Xylene	106	11.236	11.226	(1.061)	118309	51.6366	51.636
	58 Styrene	104	11.266	11.256	(1.064)	192469	52.6309	52.631
	59 Isopropyl Benzene	105	11.618	11.608	(0.876)	305001	54.7743	54.774
	60 Bromoform	173	11.668	11.658	(0.880)	57254	51.7273	51.727
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.779	(0.889)	94806	49.9777	49.978
$	62 4-Bromofluorobenzene	95	11.909	11.899	(1.124)	86146	49.0386	49.039
	63 1,2,3-Trichloropropane	110	11.970	11.949	(0.902)	24202	52.8919	52.892

	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	12.020	12.010	(0.906)	25696	52.0185	52.018
66	N-Propyl Benzene	91	12.070	12.060	(0.910)	346497	55.9487	55.949
67	Bromobenzene	156	12.160	12.140	(0.917)	88044	51.0122	51.012
68	1,3,5-Trimethyl Benzene	105	12.241	12.231	(0.923)	238618	53.7557	53.756
69	2-Chloro Toluene	91	12.301	12.291	(0.927)	214638	50.1198	50.120
70	4-Chloro Toluene	91	12.341	12.331	(0.930)	234257	53.0074	53.007
71	T-Butyl Benzene	119	12.653	12.643	(0.954)	221200	51.9205	51.920
72	1,2,4-Trimethylbenzene	105	12.703	12.693	(0.958)	238740	53.5813	53.581
73	S-Butyl Benzene	105	12.904	12.884	(0.973)	333235	56.1013	56.101
74	4-Isopropyl Toluene	119	13.045	13.035	(0.983)	261388	56.1462	56.146
75	1,3-Dichlorobenzene	146	13.196	13.176	(0.995)	161169	53.2223	53.222
* 76	d4-1,4-Dichlorobenzene	152	13.266	13.256	(1.000)	93667	50.0000	
77	1,4-Dichlorobenzene	146	13.306	13.296	(1.003)	158273	52.5009	52.501
78	N-Butyl Benzene	91	13.527	13.507	(1.020)	257382	56.0545	56.054
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.034)	84477	50.7829	50.783
80	1,2-Dichlorobenzene	146	13.748	13.738	(1.036)	148286	52.2471	52.247
81	1,2-Dibromo 3-Chloropropane	75	14.653	14.643	(1.105)	16024	47.1743	47.174
82	1,2,4-Trichlorobenzene	180	15.698	15.688	(1.183)	104046	51.3742	51.374
83	Hexachloro 1,3-Butadiene	225	15.859	15.839	(1.195)	55781	47.9375	47.938
84	Naphthalene	128	16.020	16.010	(1.208)	219974	49.2664	49.266
85	1,2,3-Trichlorobenzene	180	16.311	16.301	(1.230)	96646	48.4039	48.404

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: LCS0422X.d
Lab Smp Id: LCS0422
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LCS0422
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	91022	45511	182044	100760	10.70
34 1,4-Difluorobenze	153104	76552	306208	167187	9.20
52 d5-Chlorobenzene	143720	71860	287440	171142	19.08
76 d4-1,4-Dichlorobe	77398	38699	154796	93667	21.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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: 22APR11
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: LCS0422 Client Smp ID: LCS0422
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/22APR11.b/s8260b.m
Misc Info: 11-8662

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.000	53.994	107.99	53-148
2 Chloromethane	50.000	53.018	106.04	64-125
3 Vinyl Chloride	50.000	53.672	107.34	63-137
4 Bromomethane	50.000	54.988	109.98	57-136
5 Chloroethane	50.000	55.287	110.57	64-131
6 Trichlorofluoromet	50.000	58.706	117.41	69-132
7 Acrolein	250.00	290.69	116.28	54-137
8 112Trichloro122Tri	50.000	58.000	116.00	74-130
9 Acetone	250.00	280.01	112.01	60-131
10 1,1-Dichloroethene	50.000	52.645	105.29	75-126
11 Bromoethane	50.000	56.224	112.45	76-126
12 Iodomethane	50.000	55.355	110.71	65-139
13 Methylene Chloride	50.000	52.754	105.51	70-123
15 Carbon Disulfide	50.000	52.035	104.07	71-129
14 Acrylonitrile	50.000	48.686	97.37	67-125
16 Methyl tert-Butyl	50.000	26.751	53.50*	70-120
17 Trans-1,2-Dichloro	50.000	51.707	103.41	80-120
18 Vinyl Acetate	50.000	54.584	109.17	60-136
19 1,1-Dichloroethane	50.000	50.389	100.78	80-120
20 2-Butanone	250.00	272.96	109.18	70-120
21 2,2-Dichloropropan	50.000	55.925	111.85	74-123
22 Cis-1,2-Dichloroet	50.000	51.820	103.64	80-120
24 Chloroform	50.000	51.011	102.02	80-120
26 Bromochloromethane	50.000	53.377	106.75	80-120
27 1,1,1-Trichloroeth	50.000	56.750	113.50	77-121
29 1,1-Dichloropropen	50.000	50.810	101.62	80-120
30 Carbon Tetrachlori	50.000	57.450	114.90	77-122
32 1,2-Dichloroethane	50.000	52.365	104.73	76-120
33 Benzene	50.000	52.157	104.31	80-120
35 Trichloroethene	50.000	53.393	106.79	80-120
36 1,2-Dichloropropan	50.000	48.371	96.74	80-120
37 Bromodichlorometha	50.000	52.653	105.31	77-121
39 Dibromomethane	50.000	50.982	101.96	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	74.418	148.84	10-191
41 4-Methyl-2-Pentano	250.00	277.61	111.05	67-120
42 Cis 1,3-dichloropr	50.000	52.566	105.13	74-120
44 Toluene	50.000	53.759	107.52	80-120
45 Trans 1,3-Dichloro	50.000	53.446	106.89	65-120
46 2-Hexanone	250.00	256.19	102.48	65-130
47 1,1,2-Trichloroeth	50.000	55.030	110.06	80-120
48 1,3-Dichloropropan	50.000	51.032	102.06	80-120
49 Tetrachloroethene	50.000	52.917	105.83	80-121
50 Chlorodibromometha	50.000	51.254	102.51	64-120
51 1,2-Dibromoethane	50.000	55.006	110.01	75-120
53 Chlorobenzene	50.000	51.112	102.22	80-120
55 1,1,1,2-Tetrachlor	50.000	51.276	102.55	69-121
54 Ethyl Benzene	50.000	53.990	107.98	80-127
56 m,p-xylene	100.00	108.96	108.97	80-125
57 o-Xylene	50.000	51.636	103.27	78-120
58 Styrene	50.000	52.631	105.26	80-123
59 Isopropyl Benzene	50.000	54.774	109.55	80-127
60 Bromoform	50.000	51.727	103.45	60-120
61 1,1,2,2-Tetrachlor	50.000	49.978	99.96	74-120
63 1,2,3-Trichloropro	50.000	52.892	105.78	72-121
65 Trans-1,4-Dichloro	50.000	52.018	104.04	65-126
66 N-Propyl Benzene	50.000	55.949	111.90	80-132
67 Bromobenzene	50.000	51.012	102.02	80-120
68 1,3,5-Trimethyl Be	50.000	53.756	107.51	80-125
69 2-Chloro Toluene	50.000	50.120	100.24	80-125
70 4-Chloro Toluene	50.000	53.007	106.01	80-127
71 T-Butyl Benzene	50.000	51.920	103.84	87-122
72 1,2,4-Trimethylben	50.000	53.581	107.16	80-126
73 S-Butyl Benzene	50.000	56.101	112.20	80-134
74 4-Isopropyl Toluen	50.000	56.146	112.29	80-131
75 1,3-Dichlorobenzen	50.000	53.222	106.44	80-120
77 1,4-Dichlorobenzen	50.000	52.501	105.00	80-120
78 N-Butyl Benzene	50.000	56.054	112.11	80-138
80 1,2-Dichlorobenzen	50.000	52.247	104.49	80-120
81 1,2-Dibromo 3-Chlo	50.000	47.174	94.35	59-120
82 1,2,4-Trichloroben	50.000	51.374	102.75	78-130
83 Hexachloro 1,3-But	50.000	47.938	95.88	76-129
84 Naphthalene	50.000	49.266	98.53	66-120
85 1,2,3-Trichloroben	50.000	48.404	96.81	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	54.145	108.29	30-160

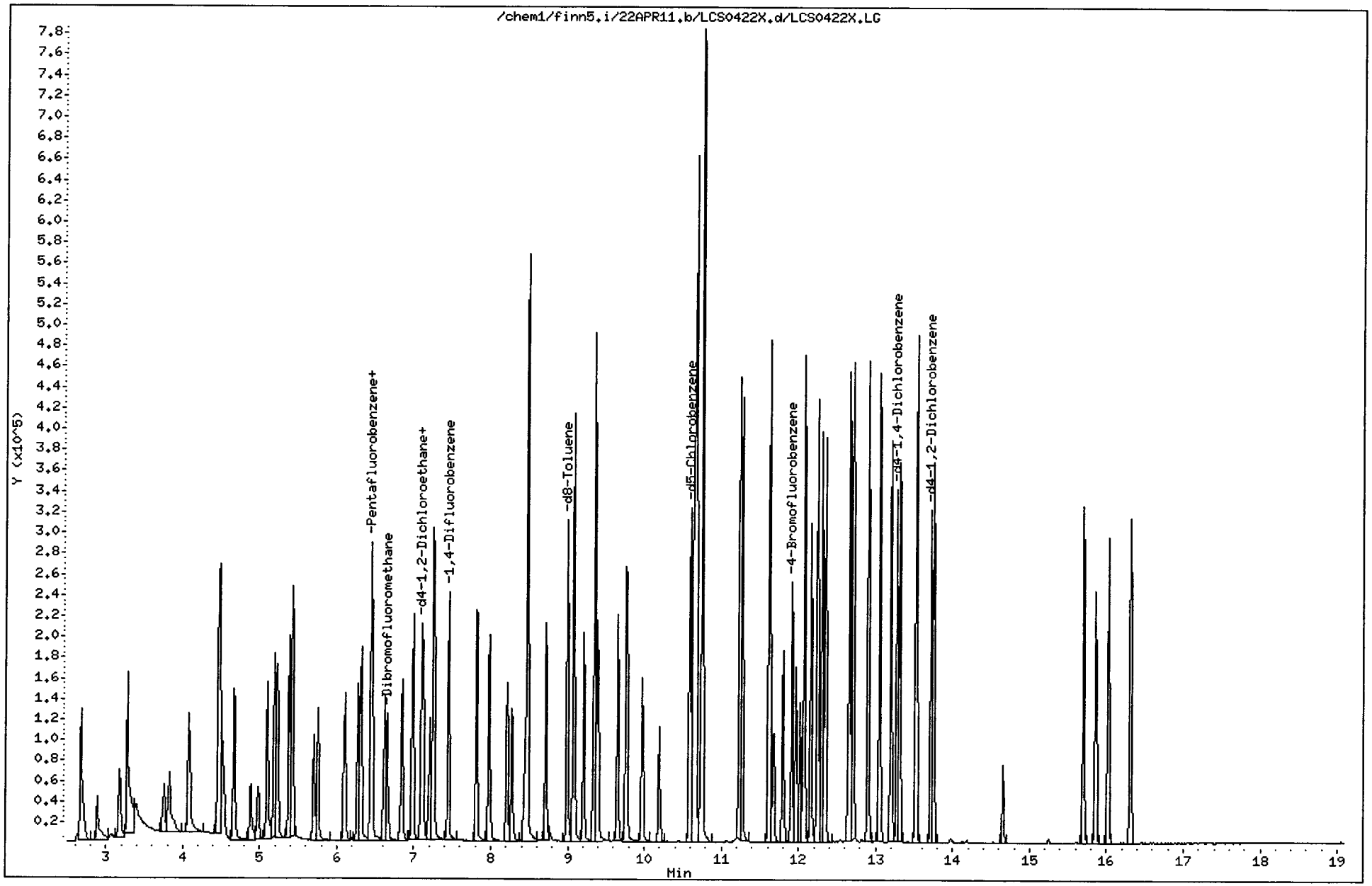
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	56.065	112.13	75-152
$ 43 d8-Toluene	50.000	51.324	102.65	82-115
$ 62 4-Bromofluorobenze	50.000	49.039	98.08	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.783	101.57	80-120

Data File: /chem1/finn5.i/22APR11.b/LCS0422X.d
Date : 22-APR-2011 10:42
Client ID: LCS0422
Sample Info: LCS0422,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - LCS0422X.d

Lab ID: LCS0422, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS
10.663	1,1,1,2-Tetrachloroethane and Ethyl Benzene

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/MB0422.d
Lab Smp Id: MB0422 Client Smp ID: MB0422
Inj Date : 22-APR-2011 11:10
Operator : PB Inst ID: finn5.i
Smp Info : MB0422,5,5,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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

4/25/11

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)	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	4.522	4.502	(0.702)	1441	3.47646	3.476
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.095	5.075	(0.791)	5000	4.16723	4.167
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.442	6.432	(1.000)	90850	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	58381	54.0612	54.061(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	7.115	7.105	(1.105)	58472	58.4540	58.454
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	155096	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	8.472	8.452	(1.138)	1552	3.12009	3.120
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	8.995	8.975	(1.208)	170813	48.7191	48.719
	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	10.593	10.573	(1.000)	153196	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	11.909	11.899	(1.124)	72815	46.3056	46.306
	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	13.266	13.256	(1.000)	78794	50.0000	
77	1,4-Dichlorobenzene	146	13.306	13.296	(1.003)	1382	0.54496	0.5450(Q)
78	N-Butyl Benzene	91	13.527	13.507	(1.020)	2327	0.60245	0.6024
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.034)	70716	50.5348	50.535
80	1,2-Dichlorobenzene	146	13.748	13.738	(1.036)	1512	0.63330	0.6333
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: MB0422.d
Lab Smp Id: MB0422
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: MB0422
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	91022	45511	182044	90850	-0.19
34 1,4-Difluorobenze	153104	76552	306208	155096	1.30
52 d5-Chlorobenzene	143720	71860	287440	153196	6.59
76 d4-1,4-Dichlorobe	77398	38699	154796	78794	1.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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:
Sample Matrix: SOLID
Lab Smp Id: MB0422
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Client SDG: 22APR11
Fraction: VOA
Client Smp ID: MB0422
Operator: PB
SampleType: BLANK
Quant Type: ISTD

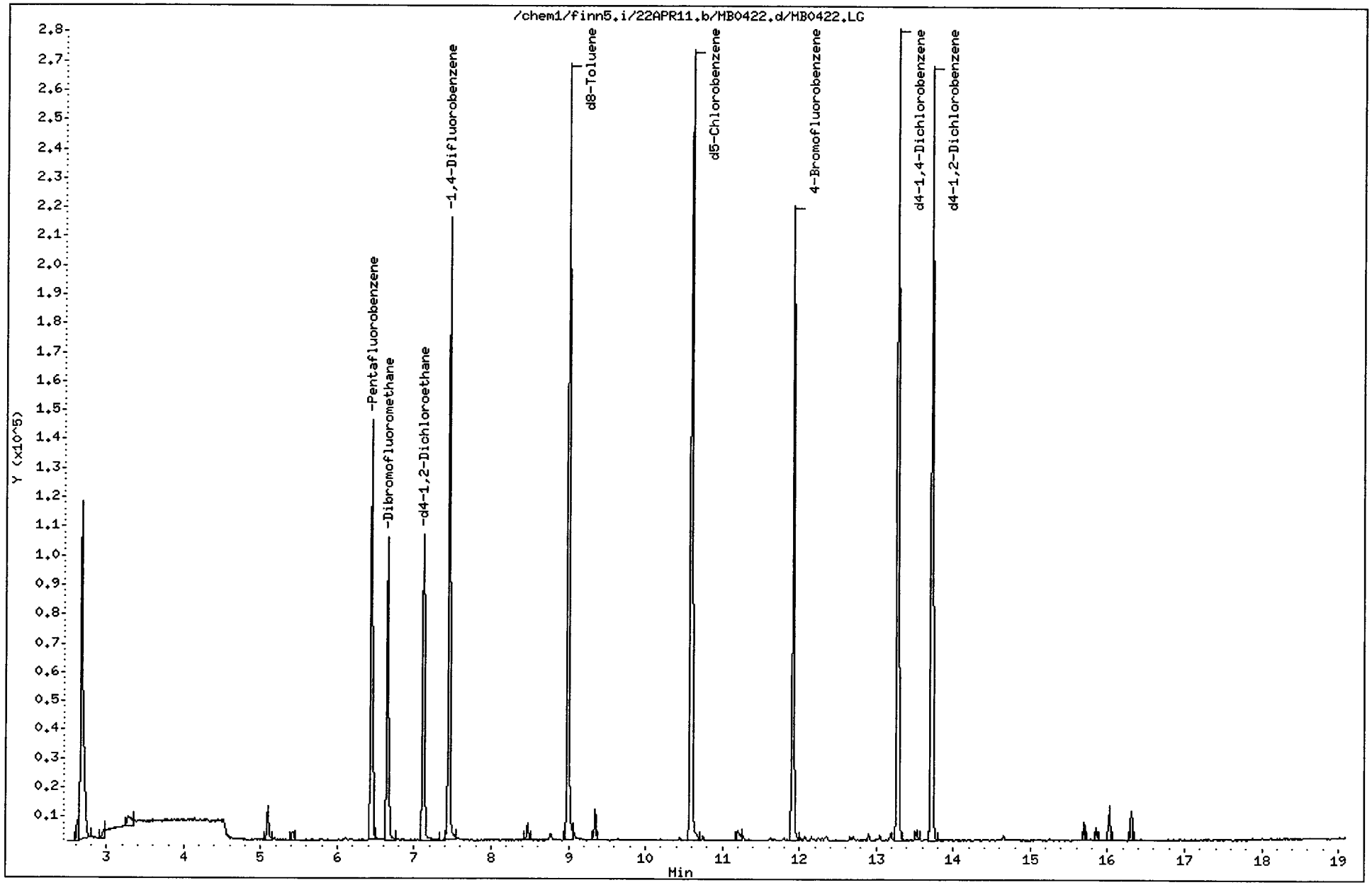
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	54.061	108.12	30-160
$ 31 d4-1,2-Dichloroeth	50.000	58.454	116.91	75-152
$ 43 d8-Toluene	50.000	48.719	97.44	82-115
$ 62 4-Bromofluorobenze	50.000	46.306	92.61	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.535	101.07	80-120

Data File: /chem1/finn5.i/22APR11.b/MB0422.d
Date : 22-APR-2011 11:10
Client ID: MB0422
Sample Info: MB0422,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - MB0422.d

Lab ID: MB0422, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71A.d
Lab Smp Id: SS71A Client Smp ID: LL-SB6-0-0.5-041811
Inj Date : 22-APR-2011 11:54
Operator : PB Inst ID: finn5.i
Smp Info : SS71A,5,4.788,0
Misc Info : 11-8654
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	4.78800	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	4.442	4.442	(0.691)	1209	4.54880	4.750
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.502	4.502	(0.700)	64928	164.974	172.28(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	5.085	5.075	(0.791)	9461	8.30472	8.672
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	6.090	6.090	(0.947)	7485	13.1710	13.754
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	86261	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	57248	55.8322	58.304(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	7.105	7.105	(1.105)	58847	61.9585	64.702
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.236	7.236	(0.973)	15708	3.73037	3.896
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	149823	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	8.975	8.975	(1.207)	163522	48.2811	50.419
	44 Toluene	92	9.065	9.055	(1.219)	3734	1.39071	1.452
	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	10.573	10.573	(1.000)	142897	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	11.899	11.899	(1.125)	58802	40.0893	41.864
	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	13.035	13.035	(0.983)	3413	1.31529	1.374
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	52208	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	44768	48.2832	50.421
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: SS71A.d
Lab Smp Id: SS71A
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8654

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB6-0-0.5-041811
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	91022	45511	182044	86261	-5.23
34 1,4-Difluorobenze	153104	76552	306208	149823	-2.14
52 d5-Chlorobenzene	143720	71860	287440	142897	-0.57
76 d4-1,4-Dichlorobe	77398	38699	154796	52208	-32.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.43	0.00
34 1,4-Difluorobenze	7.44	6.94	7.94	7.44	0.00
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71A
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8654

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB6-0-0.5-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

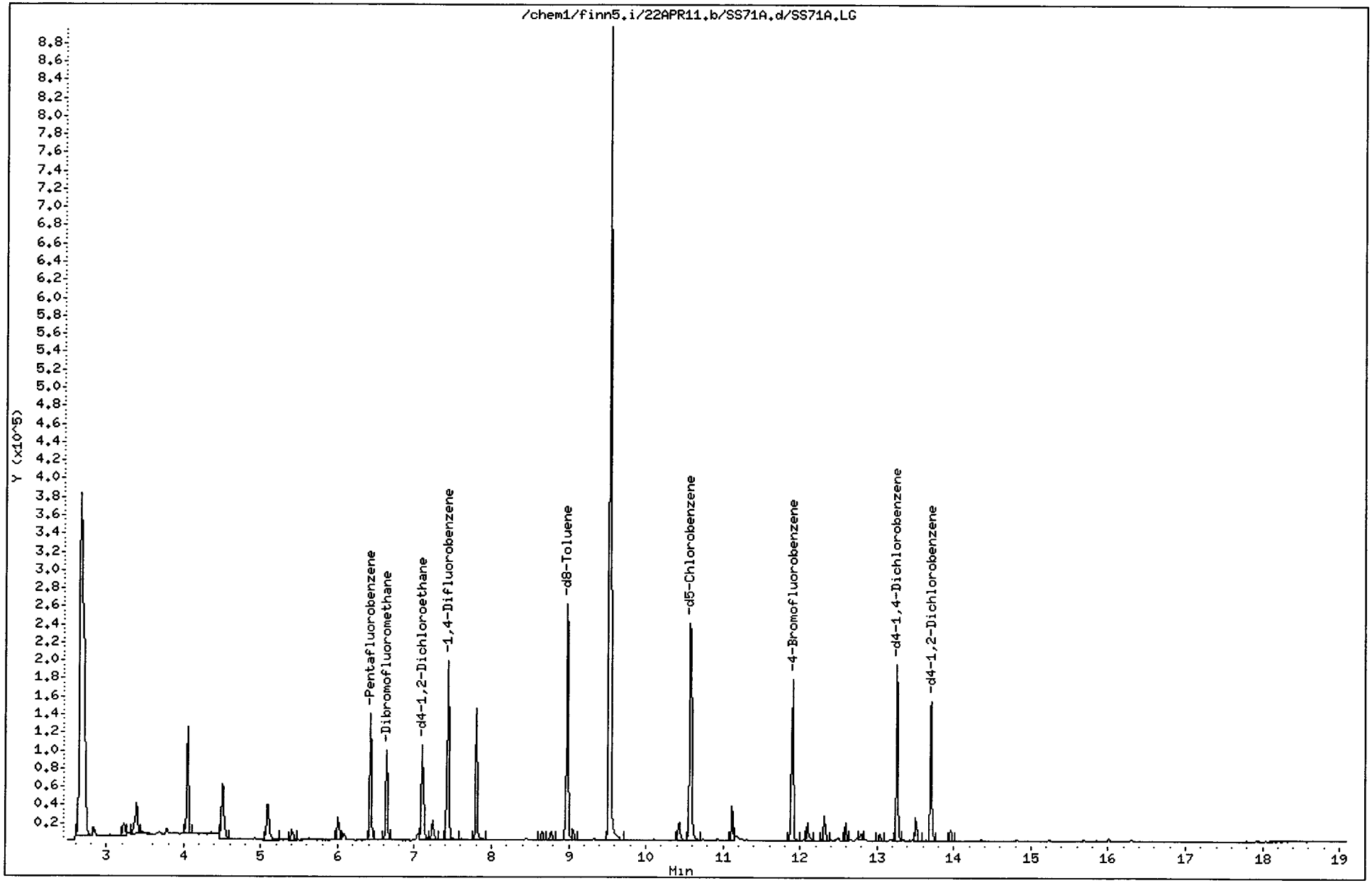
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	55.832	111.66	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.958	123.92	75-152
$ 43 d8-Toluene	50.000	48.281	96.56	82-115
$ 62 4-Bromofluorobenze	50.000	40.089	80.18	64-120
$ 79 d4-1,2-Dichloroben	50.000	48.283	96.57	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71A.d
Date : 22-APR-2011 11:54
Client ID: LL-SB6-0-0.5-041811
Sample Info: SS71A,5,4.788,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71A.d

Lab ID: SS71A, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71B.d
Lab Smp Id: SS71B Client Smp ID: LL-SB6-1.5-2-041811
Inj Date : 22-APR-2011 12:18
Operator : PB Inst ID: finn5.i
Smp Info : SS71B,5,5.201,0
Misc Info : 11-8655
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.20100	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	4.512	4.502	(0.702)	39153	102.334	98.379
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	Bromoethane	108	Compound Not Detected.					
12	Iodomethane	142	Compound Not Detected.					
13	Methylene Chloride	84	5.085	5.075	(0.791)	9605	8.67272	8.338
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	6.090	6.090	(0.947)	3741	6.77150	6.510
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	83858	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	57826	58.0120	55.770(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	7.105	7.105	(1.105)	57960	62.7733	60.347
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.246	7.236	(0.974)	2164	0.52273	0.5025
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	147295	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	8.985	8.975	(1.208)	161698	48.5619	46.685
	44 Toluene	92	9.065	9.055	(1.219)	1360	0.51522	0.4953
	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	10.583	10.573	(1.000)	141233	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	11.909	11.899	(1.125)	61220	42.2296	40.598
	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	13.266	13.256	(1.000)	57567	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.033)	49774	48.6850	46.803
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: SS71B.d
Lab Smp Id: SS71B
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8655

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB6-1.5-2-041811
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	91022	45511	182044	83858	-7.87
34 1,4-Difluorobenze	153104	76552	306208	147295	-3.79
52 d5-Chlorobenzene	143720	71860	287440	141233	-1.73
76 d4-1,4-Dichlorobe	77398	38699	154796	57567	-25.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.43	0.00
34 1,4-Difluorobenze	7.44	6.94	7.94	7.44	0.00
52 d5-Chlorobenzene	10.57	10.07	11.07	10.58	0.10
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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: SS71B
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8655

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB6-1.5-2-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

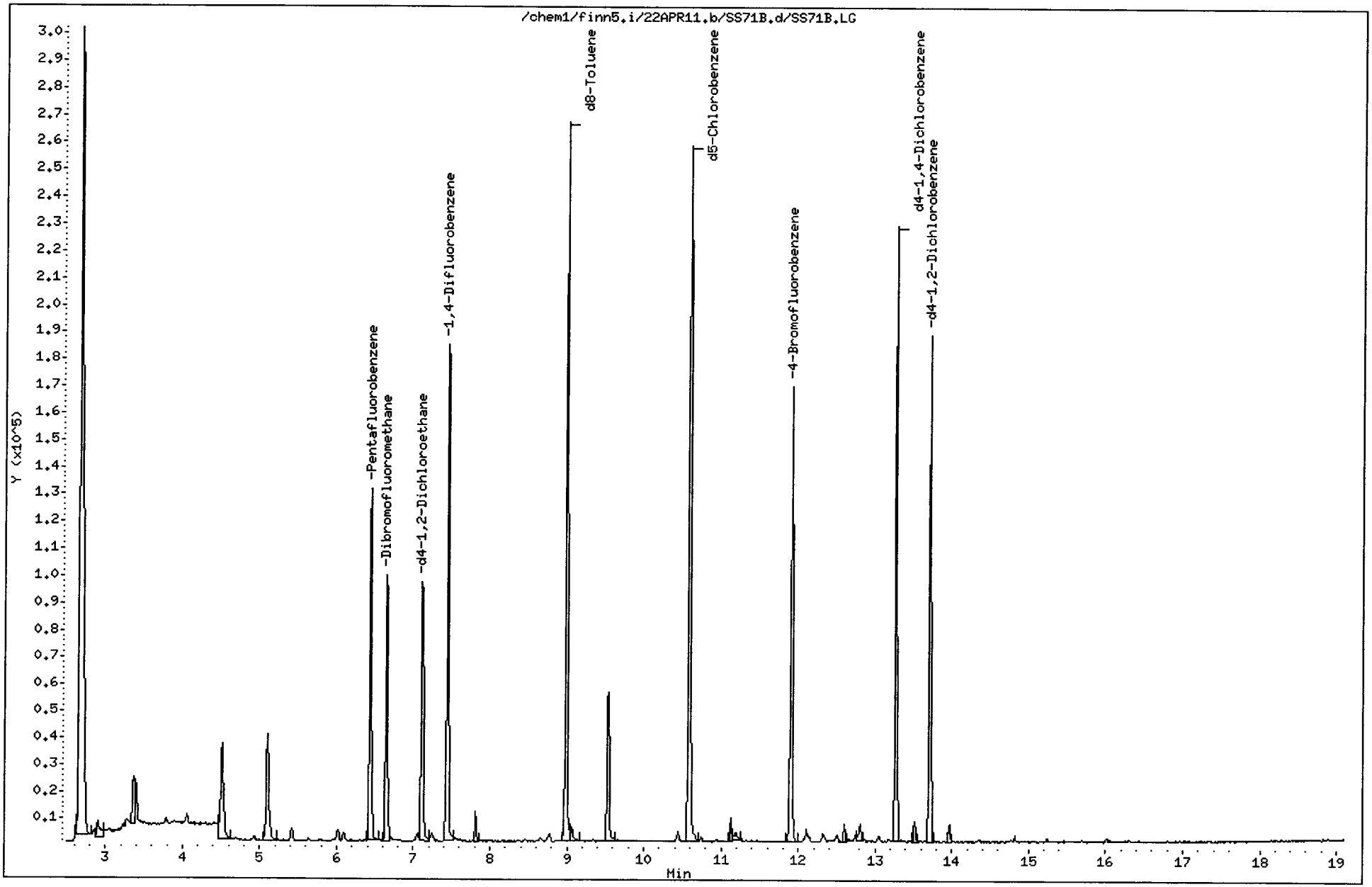
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.012	116.02	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.773	125.55	75-152
$ 43 d8-Toluene	50.000	48.562	97.12	82-115
$ 62 4-Bromofluorobenze	50.000	42.230	84.46	64-120
$ 79 d4-1,2-Dichloroben	50.000	48.685	97.37	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71B.d
Date : 22-APR-2011 12:18
Client ID: LL-SB6-1.5-2-041811
Sample Info: SS71B,5,5.201,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71B.d

Lab ID: SS71B, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71C.d
Lab Smp Id: SS71C Client Smp ID: LL-SB6-2-4-041811
Inj Date : 22-APR-2011 12:45
Operator : PB Inst ID: finn5.i
Smp Info : SS71C,5,4.963,0
Misc Info : 11-8656
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	4.96300	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	4.502	4.502	(0.701)	27909	70.2924	70.816
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.075	5.075	(0.790)	16882	14.6890	14.798
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	6.090	6.090	(0.948)	2434	4.24549	4.277
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	87023	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	60082	58.0831	58.516(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	7.095	7.105	(1.105)	59757	62.3657	62.831
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.236	7.236	(0.974)	3277	0.78291	0.7887
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	148928	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	8.975	8.975	(1.208)	163367	48.5252	48.887
	44 Toluene	92	9.055	9.055	(1.219)	1616	0.60549	0.6100
	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	10.573	10.573	(1.000)	140618	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	11.899	11.899	(1.125)	62087	43.0150	43.336
	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	13.256	13.256	(1.000)	60146	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	53723	50.2944	50.669
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: SS71C.d
Lab Smp Id: SS71C
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8656

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB6-2-4-041811
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	91022	45511	182044	87023	-4.39
34 1,4-Difluorobenze	153104	76552	306208	148928	-2.73
52 d5-Chlorobenzene	143720	71860	287440	140618	-2.16
76 d4-1,4-Dichlorobe	77398	38699	154796	60146	-22.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71C
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8656

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB6-2-4-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

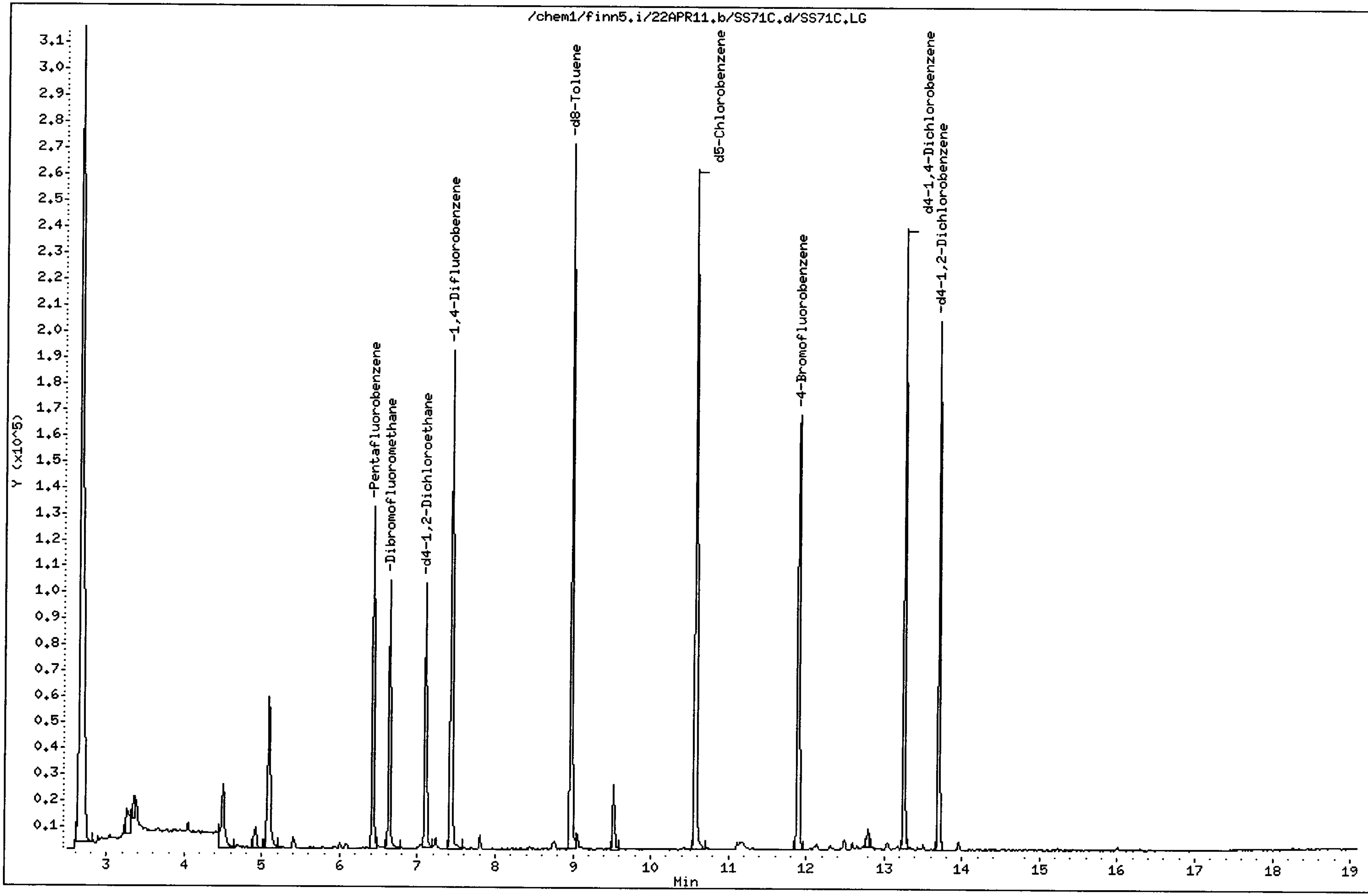
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.083	116.17	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.366	124.73	75-152
$ 43 d8-Toluene	50.000	48.525	97.05	82-115
$ 62 4-Bromofluorobenze	50.000	43.015	86.03	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.294	100.59	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71C.d
Date : 22-APR-2011 12:45
Client ID: LL-SB6-2-4-041811
Sample Info: SS71C,5,4.963,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - SS71C.d

Lab ID: SS71C, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71D.d
Lab Smp Id: SS71D Client Smp ID: LL-SB5-0-0.5-041811
Inj Date : 22-APR-2011 13:13
Operator : PB Inst ID: finn5.i
Smp Info : SS71D,5,4.832,0
Misc Info : 11-8657
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	4.83200	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	4.502	4.502	(0.700)	114598	306.486	317.14(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	5.085	5.075	(0.791)	10144	9.37231	9.698
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	6.090	6.090	(0.947)	12081	22.3759	23.154
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	81953	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	59362	60.9373	63.056(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	7.105	7.105	(1.105)	57224	63.4168	65.622
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	145207	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	8.975	8.975	(1.207)	150046	45.7105	47.300
	44 Toluene	92	9.055	9.055	(1.218)	3329	1.27928	1.324
	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	10.573	10.573	(1.000)	119385	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	11.899	11.899	(1.125)	43584	35.5662	36.803
	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	13.035	13.035	(0.983)	3944	2.30119	2.381
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	34483	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	28897	47.1860	48.827
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: SS71D.d
Lab Smp Id: SS71D
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8657

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB5-0-0.5-041811
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	91022	45511	182044	81953	-9.96	
34 1,4-Difluorobenze	153104	76552	306208	145207	-5.16	
52 d5-Chlorobenzene	143720	71860	287440	119385	-16.93	
76 d4-1,4-Dichlorobe	77398	38699	154796	34483	-55.45	<-ny

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.43	0.00
34 1,4-Difluorobenze	7.44	6.94	7.94	7.44	0.00
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71D
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8657

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB5-0-0.5-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	60.937	121.87	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.417	126.83	75-152
$ 43 d8-Toluene	50.000	45.710	91.42	82-115
$ 62 4-Bromofluorobenze	50.000	35.566	71.13	64-120
$ 79 d4-1,2-Dichloroben	50.000	47.186	94.37	80-120

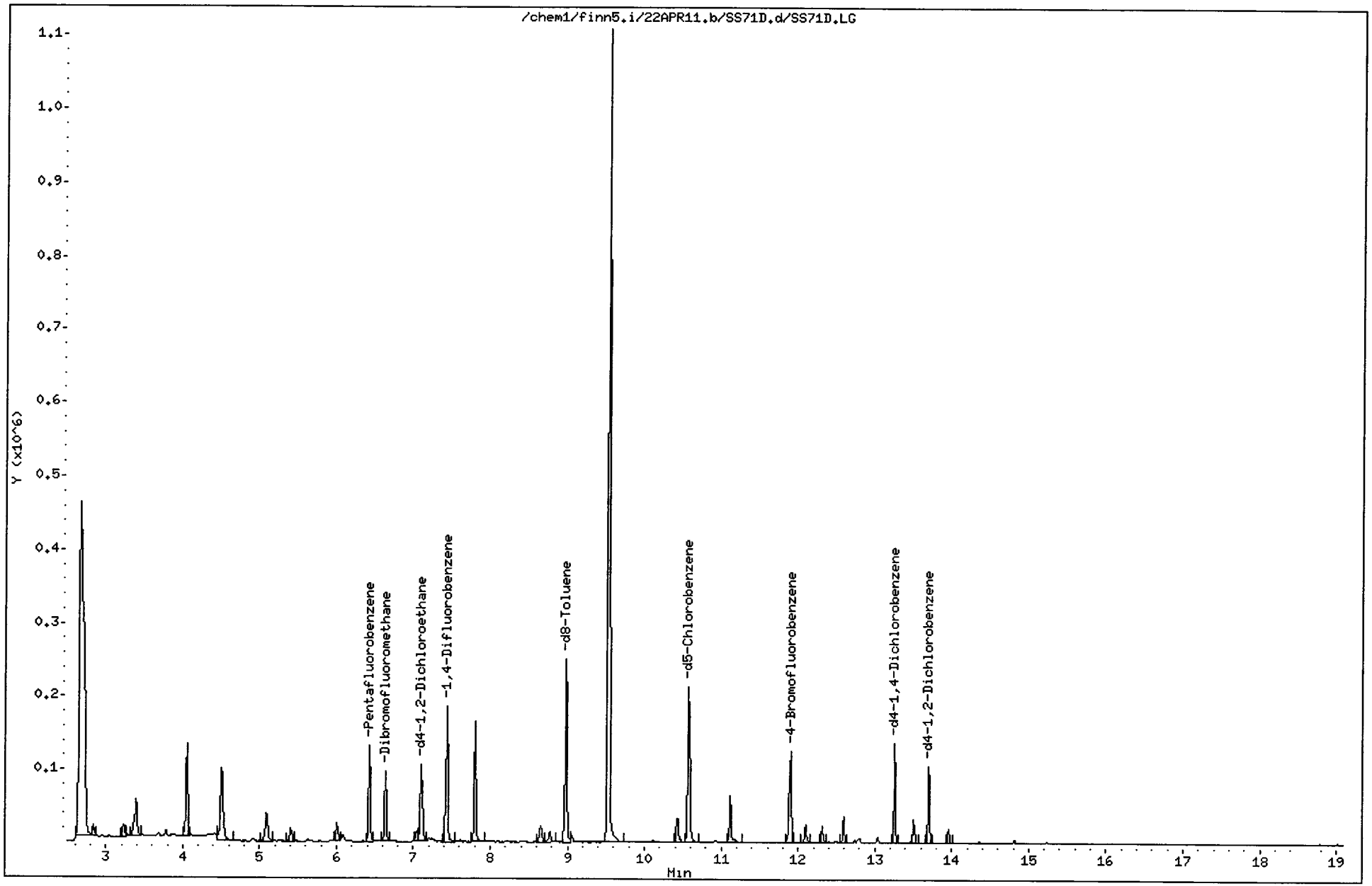
Data File: /chem1/finn5.i/22APR11.b/SS71D.d
Date : 22-APR-2011 13:13
Client ID: LL-SB5-0-0.5-041811
Sample Info: SS71D,5,4.832,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

SS71 : 60513



CO-ELUTION SUMMARY FOR FILE - SS71D.d

Lab ID: SS71D, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71E.d
Lab Smp Id: SS71E Client Smp ID: LL-SB5-1.5-2-041811
Inj Date : 22-APR-2011 13:41
Operator : PB Inst ID: finn5.i
Smp Info : SS71E,5,5.410,0
Misc Info : 11-8658
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.41000	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	4.492	4.502	(0.700)	71130	181.532	167.77
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.075	5.075	(0.790)	9745	8.59186	7.941
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	6.080	6.090	(0.947)	6853	12.1123	11.194
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	85881	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	58787	57.5869	53.223(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	7.095	7.105	(1.105)	58064	61.4046	56.751
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.236	7.236	(0.974)	2619	0.64205	0.5934
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	145136	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	8.975	8.975	(1.208)	155473	47.3870	43.796
	44 Toluene	92	9.055	9.055	(1.219)	1660	0.63822	0.5898
	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	10.573	10.573	(1.000)	134133	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	11.899	11.899	(1.125)	55632	40.4063	37.344
	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	13.256	13.256	(1.000)	48937	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	43336	49.8629	46.084
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: SS71E.d
Lab Smp Id: SS71E
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8658

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB5-1.5-2-041811
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	91022	45511	182044	85881	-5.65
34 1,4-Difluorobenze	153104	76552	306208	145136	-5.20
52 d5-Chlorobenzene	143720	71860	287440	134133	-6.67
76 d4-1,4-Dichlorobe	77398	38699	154796	48937	-36.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71E
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8658

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB5-1.5-2-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

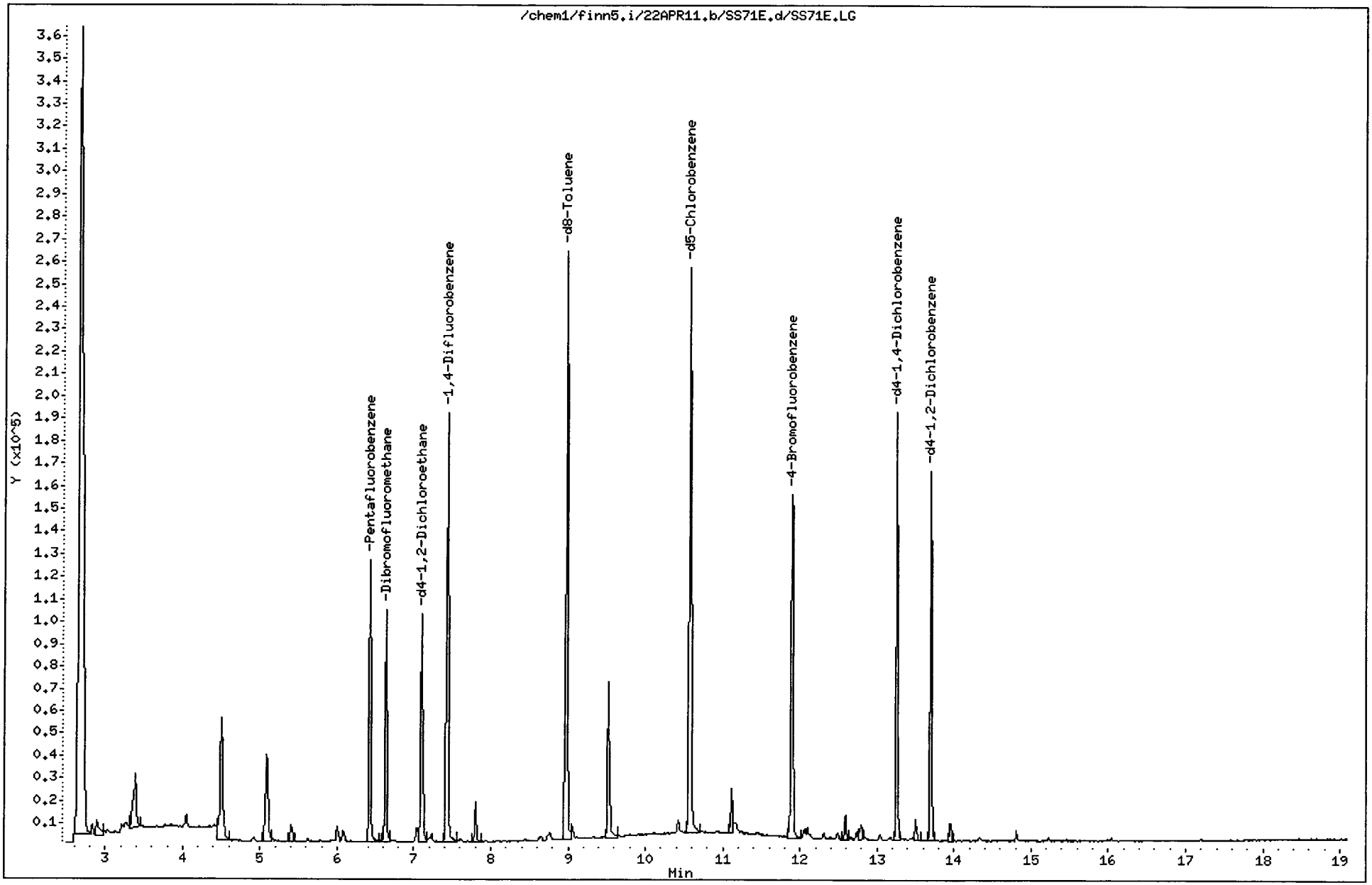
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.587	115.17	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.405	122.81	75-152
$ 43 d8-Toluene	50.000	47.387	94.77	82-115
$ 62 4-Bromofluorobenze	50.000	40.406	80.81	64-120
$ 79 d4-1,2-Dichloroben	50.000	49.863	99.73	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71E.d
Date : 22-APR-2011 13:41
Client ID: LL-SB5-1.5-2-041811
Sample Info: SS71E,5,5.410,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

SS71-090526



CO-ELUTION SUMMARY FOR FILE - SS71E.d

Lab ID: SS71E, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71F.d
Lab Smp Id: SS71F Client Smp ID: LL-SB5-2-4-041811
Inj Date : 22-APR-2011 14:09
Operator : PB Inst ID: finn5.i
Smp Info : SS71F,5,5.660,0
Misc Info : 11-8659
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.66000	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	4.512	4.502	(0.700)	68909	187.682	165.80
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.095	5.075	(0.791)	6462	6.08022	5.371
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	6.100	6.090	(0.947)	8934	16.8515	14.886
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	80473	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	55114	57.6171	50.898(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	7.115	7.105	(1.105)	53840	60.7639	53.678
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.246	7.236	(0.973)	4040	1.07078	0.9459
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	134243	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	8.985	8.975	(1.206)	147644	48.6523	42.979
	44 Toluene	92	9.075	9.055	(1.219)	1522	0.63265	0.5589
	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	10.583	10.573	(1.000)	119654	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	11.909	11.899	(1.125)	45592	37.1211	32.792
	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	13.266	13.256	(1.000)	38378	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.033)	32038	47.0055	41.524
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: SS71F.d
Lab Smp Id: SS71F
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8659

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB5-2-4-041811
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	91022	45511	182044	80473	-11.59	
34 1,4-Difluorobenze	153104	76552	306208	134243	-12.32	
52 d5-Chlorobenzene	143720	71860	287440	119654	-16.75	
76 d4-1,4-Dichlorobe	77398	38699	154796	38378	-50.41	<--

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.58	0.10
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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: SS71F
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8659

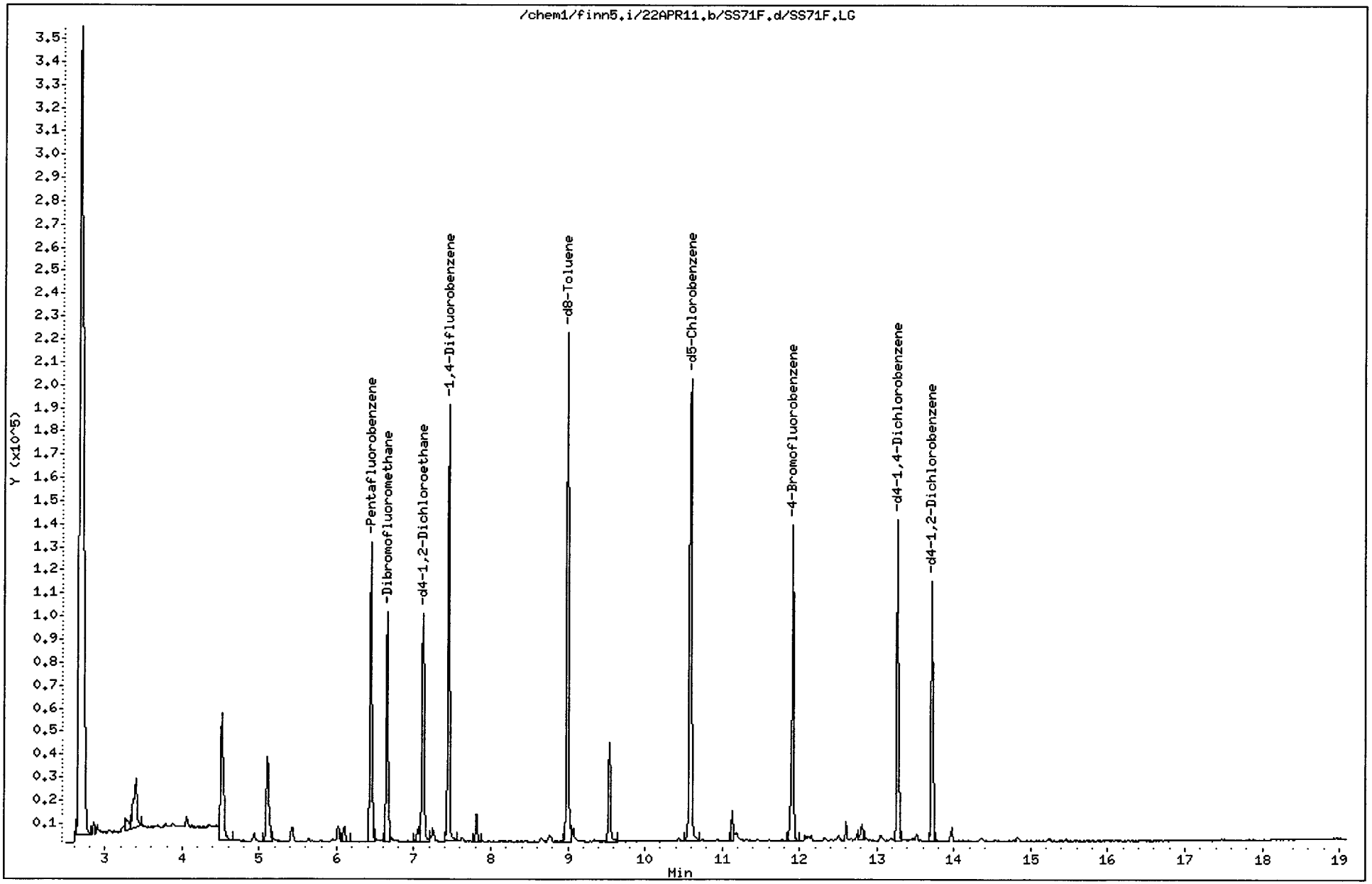
Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB5-2-4-041811
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.617	115.23	30-160
$ 31 d4-1,2-Dichloroeth	50.000	60.764	121.53	75-152
$ 43 d8-Toluene	50.000	48.652	97.30	82-115
$ 62 4-Bromofluorobenze	50.000	37.121	74.24	64-120
$ 79 d4-1,2-Dichloroben	50.000	47.006	94.01	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71F.d
Date : 22-APR-2011 14:09
Client ID: LL-SB5-2-4-041811
Sample Info: SS71F,5,5.660,0

Instrument: finn5.i
Operator: PB
Column phase: Rtx502.2
Column diameter: 0.18

SS71-090527



CO-ELUTION SUMMARY FOR FILE - SS71F.d

Lab ID: SS71F, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71G.d
Lab Smp Id: SS71G Client Smp ID: LL-SB4-0-0.5-041911
Inj Date : 22-APR-2011 14:37
Operator : PB Inst ID: finn5.i
Smp Info : SS71G,5,5.053,0
Misc Info : 11-8660
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

14/25/14

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	5.05300	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	4.512	4.502	(0.700)	65071	183.307	181.38(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	5.095	5.075	(0.791)	10564	10.2807	10.173
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	6.100	6.090	(0.947)	8159	15.9174	15.750
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	77805	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	53546	57.8974	57.290(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	7.115	7.105	(1.105)	52011	60.7126	60.076
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.256	7.236	(0.974)	5317	1.43573	1.421
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	131766	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	8.995	8.975	(1.208)	137314	46.0989	45.615
	44 Toluene	92	9.075	9.055	(1.219)	2956	1.25182	1.239
	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	10.593	10.573	(1.000)	114960	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	11.909	11.899	(1.124)	43179	36.5920	36.208
	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	13.276	13.256	(1.000)	36667	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.033)	30842	47.3623	46.866
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: SS71G.d
Lab Smp Id: SS71G
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8660

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB4-0-0.5-041911
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	91022	45511	182044	77805	-14.52	✓
34 1,4-Difluorobenze	153104	76552	306208	131766	-13.94	
52 d5-Chlorobenzene	143720	71860	287440	114960	-20.01	
76 d4-1,4-Dichlorobe	77398	38699	154796	36667	-52.63	<- ltly

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF	
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16	✓
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14	
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19	
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.28	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: SS71G
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8660

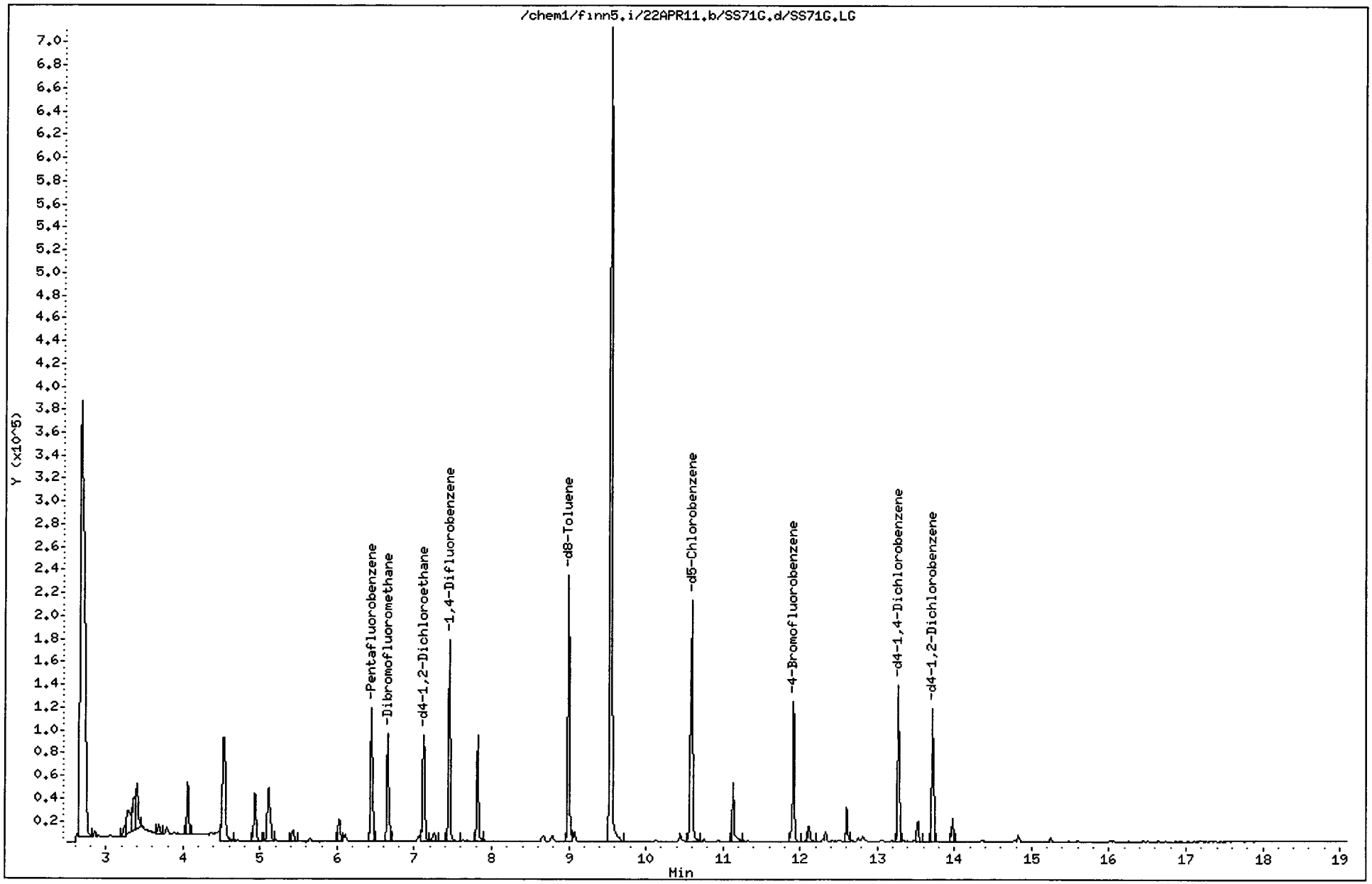
Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB4-0-0.5-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.897	115.79	30-160
$ 31 d4-1,2-Dichloroeth	50.000	60.712	121.43	75-152
$ 43 d8-Toluene	50.000	46.099	92.20	82-115
$ 62 4-Bromofluorobenze	50.000	36.592	73.18	64-120
$ 79 d4-1,2-Dichloroben	50.000	47.362	94.72	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71G.d
Date : 22-APR-2011 14:37
Client ID: LL-SB4-0-0.5-041911
Sample Info: SS71G,5,5.053,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



SS71.00531

CO-ELUTION SUMMARY FOR FILE - SS71G.d

Lab ID: SS71G, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71H.d
Lab Smp Id: SS71H Client Smp ID: LL-SB4-1.5-2-041911
Inj Date : 22-APR-2011 15:04
Operator : PB Inst ID: finn5.i
Smp Info : SS71H,5,5.653,0
Misc Info : 11-8661
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.65300	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	4.512	4.502	(0.700)	17143	53.0786	46.947
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	Bromoethane	108	Compound Not Detected.					
12	Iodomethane	142	Compound Not Detected.					
13	Methylene Chloride	84	5.095	5.075	(0.791)	10883	11.6409	10.296
14	Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.100	6.090	(0.947)	1401	3.00410	2.657
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	70789	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	48890	58.1023	51.391(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	7.115	7.105	(1.105)	47966	61.5402	54.431
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	123295	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	8.985	8.975	(1.206)	134110	48.1166	42.558
	44 Toluene	92	9.065	9.055	(1.217)	975	0.44126	0.3903
	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	10.583	10.573	(1.000)	122331	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	11.909	11.899	(1.125)	56783	45.2211	39.997
	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	13.266	13.256	(1.000)	61262	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.033)	56143	51.6024	45.642
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: SS71H.d
Lab Smp Id: SS71H
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8661

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB4-1.5-2-041911
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	91022	45511	182044	70789	-22.23
34 1,4-Difluorobenze	153104	76552	306208	123295	-19.47
52 d5-Chlorobenzene	143720	71860	287440	122331	-14.88
76 d4-1,4-Dichlorobe	77398	38699	154796	61262	-20.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.58	0.10
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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: SS71H
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8661

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB4-1.5-2-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

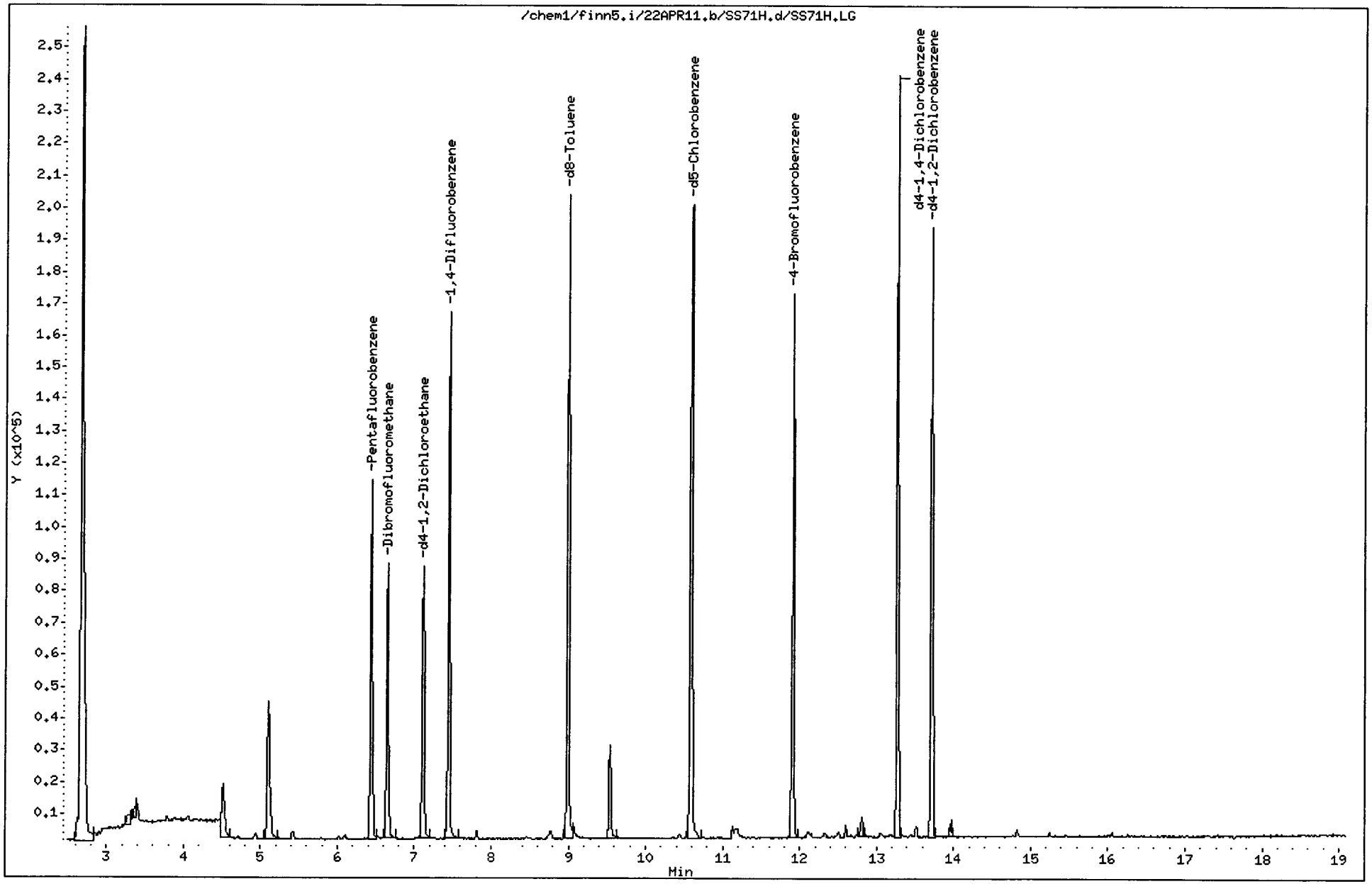
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.102	116.20	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.540	123.08	75-152
$ 43 d8-Toluene	50.000	48.116	96.23	82-115
$ 62 4-Bromofluorobenze	50.000	45.221	90.44	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.602	103.20	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71H.d
Date : 22-APR-2011 15:04
Client ID: LL-SB4-1.5-2-041911
Sample Info: SS71H,5,5.653,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

SS71H 05514



CO-ELUTION SUMMARY FOR FILE - SS71H.d

Lab ID: SS71H, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71I.d
Lab Smp Id: SS71I Client Smp ID: LL-SB4-2-4-041911
Inj Date : 22-APR-2011 15:32
Operator : PB Inst ID: finn5.i
Smp Info : SS71I,5,6.274,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

4/25/14

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	6.27400	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	4.512	4.502	(0.700)	14702	43.8942	34.981
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.095	5.075	(0.791)	18692	19.2793	15.364
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.110	6.090	(0.949)	1277	2.64037	2.104
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	73412	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	50700	58.1005	46.303(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	7.115	7.105	(1.105)	50191	62.0940	49.485
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	124478	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	8.995	8.975	(1.208)	135053	47.9944	38.249
	44 Toluene	92	9.075	9.055	(1.219)	1154	0.51731	0.4123
	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	10.593	10.573	(1.000)	124105	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	11.909	11.899	(1.124)	58405	45.8480	36.538
	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	13.266	13.256	(1.000)	64558	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.034)	58475	51.0019	40.645
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: SS71I.d
Lab Smp Id: SS71I
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB4-2-4-041911
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	91022	45511	182044	73412	-19.35
34 1,4-Difluorobenze	153104	76552	306208	124478	-18.70
52 d5-Chlorobenzene	143720	71860	287440	124105	-13.65
76 d4-1,4-Dichlorobe	77398	38699	154796	64558	-16.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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

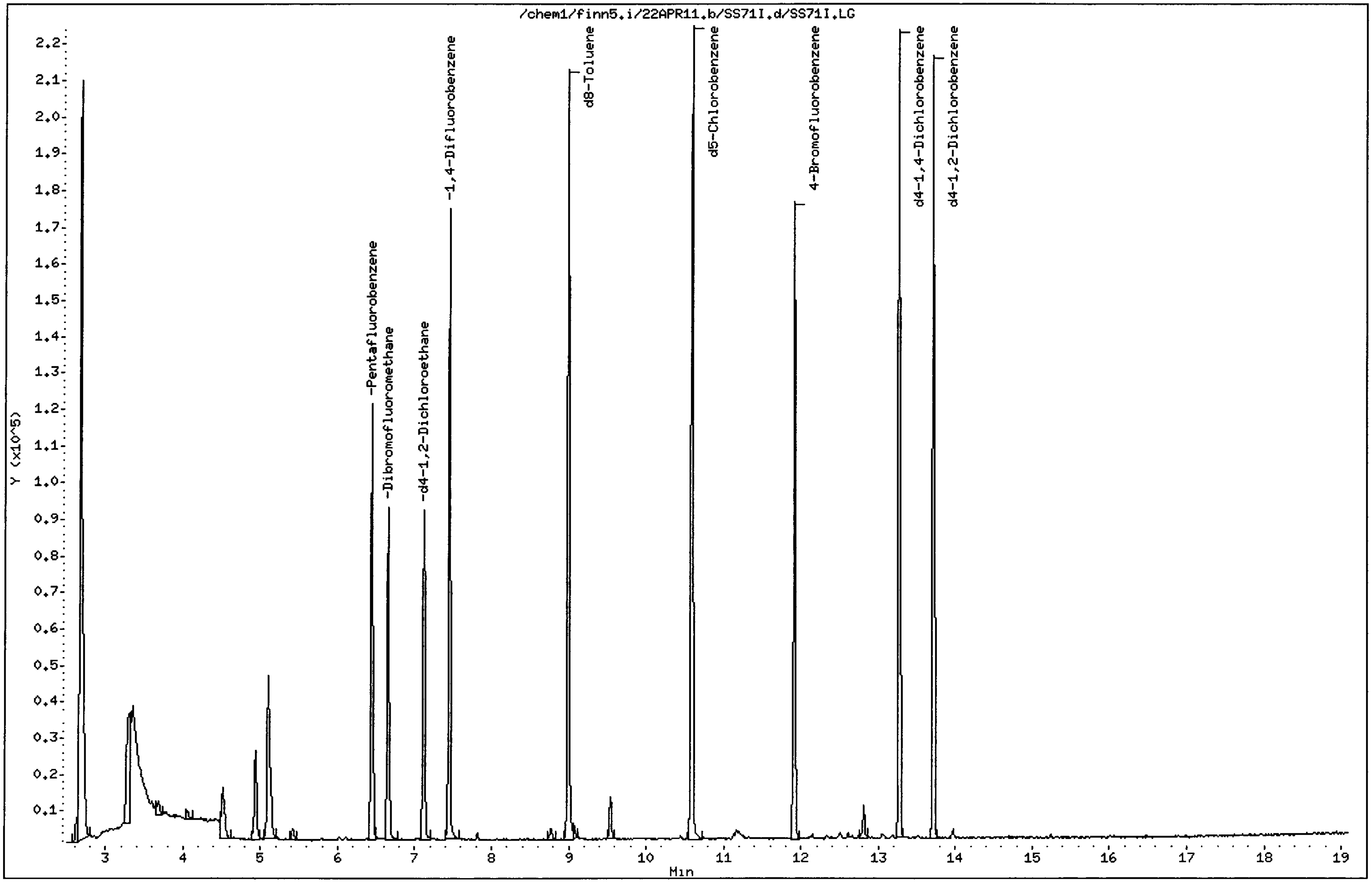
Client Name: Floyd Snider
Sample Matrix: SOLID
Lab Smp Id: SS71I
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB4-2-4-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.100	116.20	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.094	124.19	75-152
$ 43 d8-Toluene	50.000	47.994	95.99	82-115
$ 62 4-Bromofluorobenze	50.000	45.848	91.70	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.002	102.00	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71I.d
Date : 22-APR-2011 15:32
Client ID: LL-SB4-2-4-041911
Sample Info: SS71I,5,6.274,0
Column phase: Rtx502.2

Instrument: finn5.i
Operator: PB
Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - SS71I.d

Lab ID: SS71I, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71J.d
Lab Smp Id: SS71J Client Smp ID: LL-SB3-0-0.5-041911
Inj Date : 22-APR-2011 16:00
Operator : PB Inst ID: finn5.i
Smp Info : SS71J,5,6.289,0
Misc Info : 11-8663
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	6.28900	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	4.492	4.502	(0.700)	53720	164.211	130.55(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	5.075	5.075	(0.790)	17883	18.8848	15.014
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	6.080	6.090	(0.947)	6450	13.6543	10.856
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	71702	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	50027	58.6965	46.666(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	7.095	7.105	(1.105)	50281	63.6889	50.635
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	127747	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	8.975	8.975	(1.208)	137698	47.6822	37.909
	44 Toluene	92	9.055	9.055	(1.219)	4345	1.89792	1.509
	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	10.573	10.573	(1.000)	122755	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	11.889	11.899	(1.125)	51256	40.6785	32.341
	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	13.256	13.256	(1.000)	46823	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	40022	48.1288	38.264
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: SS71J.d
Lab Smp Id: SS71J
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8663

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB3-0-0.5-041911
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	91022	45511	182044	71702	-21.23
34 1,4-Difluorobenze	153104	76552	306208	127747	-16.56
52 d5-Chlorobenzene	143720	71860	287440	122755	-14.59
76 d4-1,4-Dichlorobe	77398	38699	154796	46823	-39.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71J
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8663

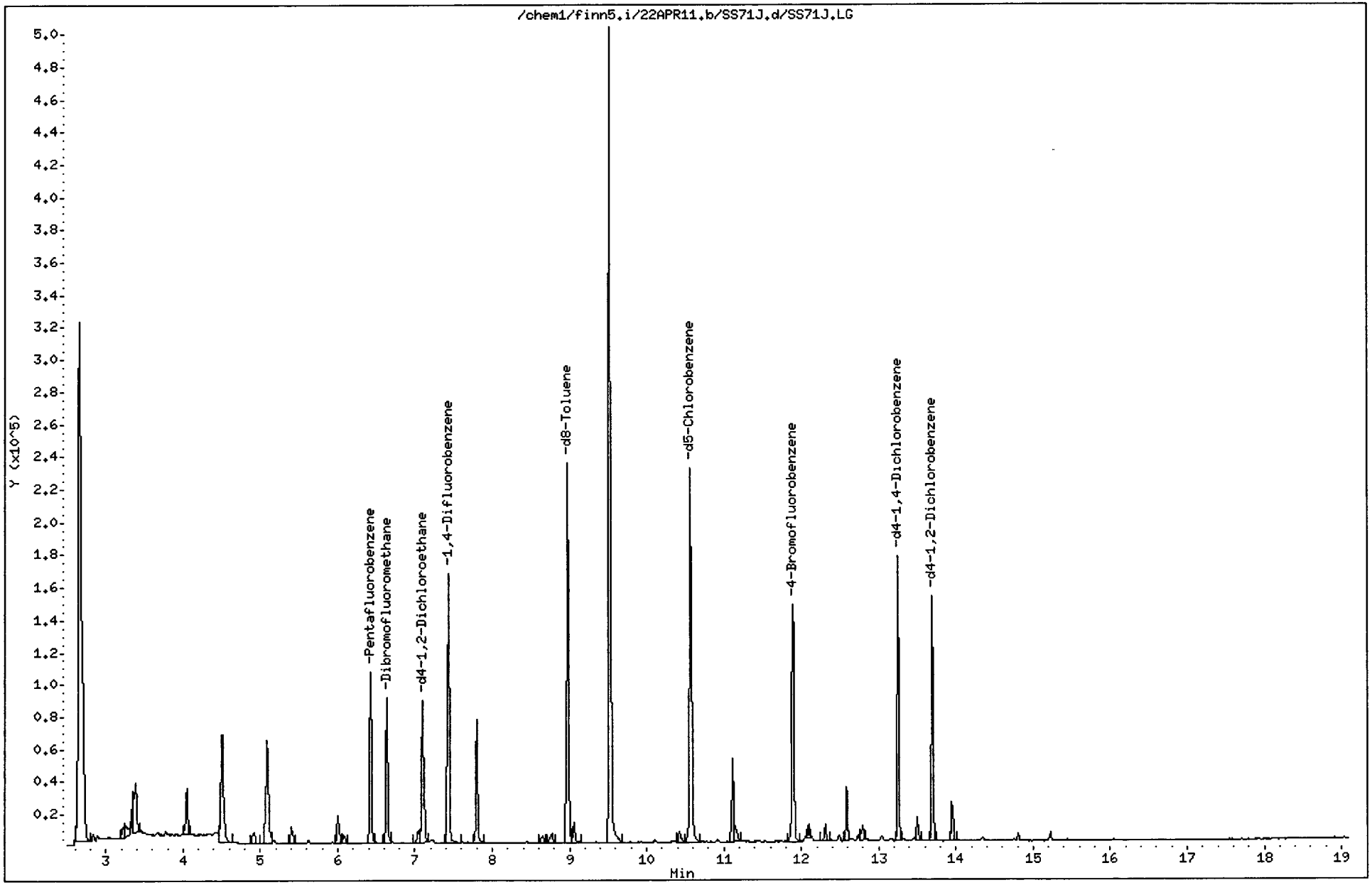
Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB3-0-0.5-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.696	117.39	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.689	127.38	75-152
$ 43 d8-Toluene	50.000	47.682	95.36	82-115
$ 62 4-Bromofluorobenze	50.000	40.678	81.36	64-120
$ 79 d4-1,2-Dichloroben	50.000	48.129	96.26	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71J.d
Date : 22-APR-2011 16:00
Client ID: LL-SB3-0-0.5-041911
Sample Info: SS71J,5,6.289,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



SS71J 05/05/11

CO-ELUTION SUMMARY FOR FILE - SS71J.d

Lab ID: SS71J, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71K.d
Lab Smp Id: SS71K Client Smp ID: LL-SB3-1.5-2-041911
Inj Date : 22-APR-2011 16:28
Operator : PB Inst ID: finn5.i
Smp Info : SS71K,5,5.350,0
Misc Info : 11-8664
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

jr 4/25/14

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	5.35000	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	4.492	4.502	(0.700)	26014	69.7014	65.141
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.075	5.075	(0.790)	10068	9.31926	8.710
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	6.080	6.090	(0.947)	2831	5.25312	4.909
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	81802	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	57643	59.2819	55.404(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	7.095	7.105	(1.105)	57464	63.8003	59.626
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	143245	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	8.975	8.975	(1.208)	153792	47.4934	44.386
	44 Toluene	92	9.055	9.055	(1.219)	1069	0.41643	0.3892
	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	10.573	10.573	(1.000)	143054	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	11.889	11.899	(1.125)	66919	45.5732	42.592
	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	13.246	13.256	(1.000)	70361	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.034)	63913	51.1473	47.801
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: SS71K.d
Lab Smp Id: SS71K
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8664

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB3-1.5-2-041911
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	91022	45511	182044	81802	-10.13
34 1,4-Difluorobenze	153104	76552	306208	143245	-6.44
52 d5-Chlorobenzene	143720	71860	287440	143054	-0.46
76 d4-1,4-Dichlorobe	77398	38699	154796	70361	-9.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.25	-0.08

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: SS71K
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8664

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB3-1.5-2-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

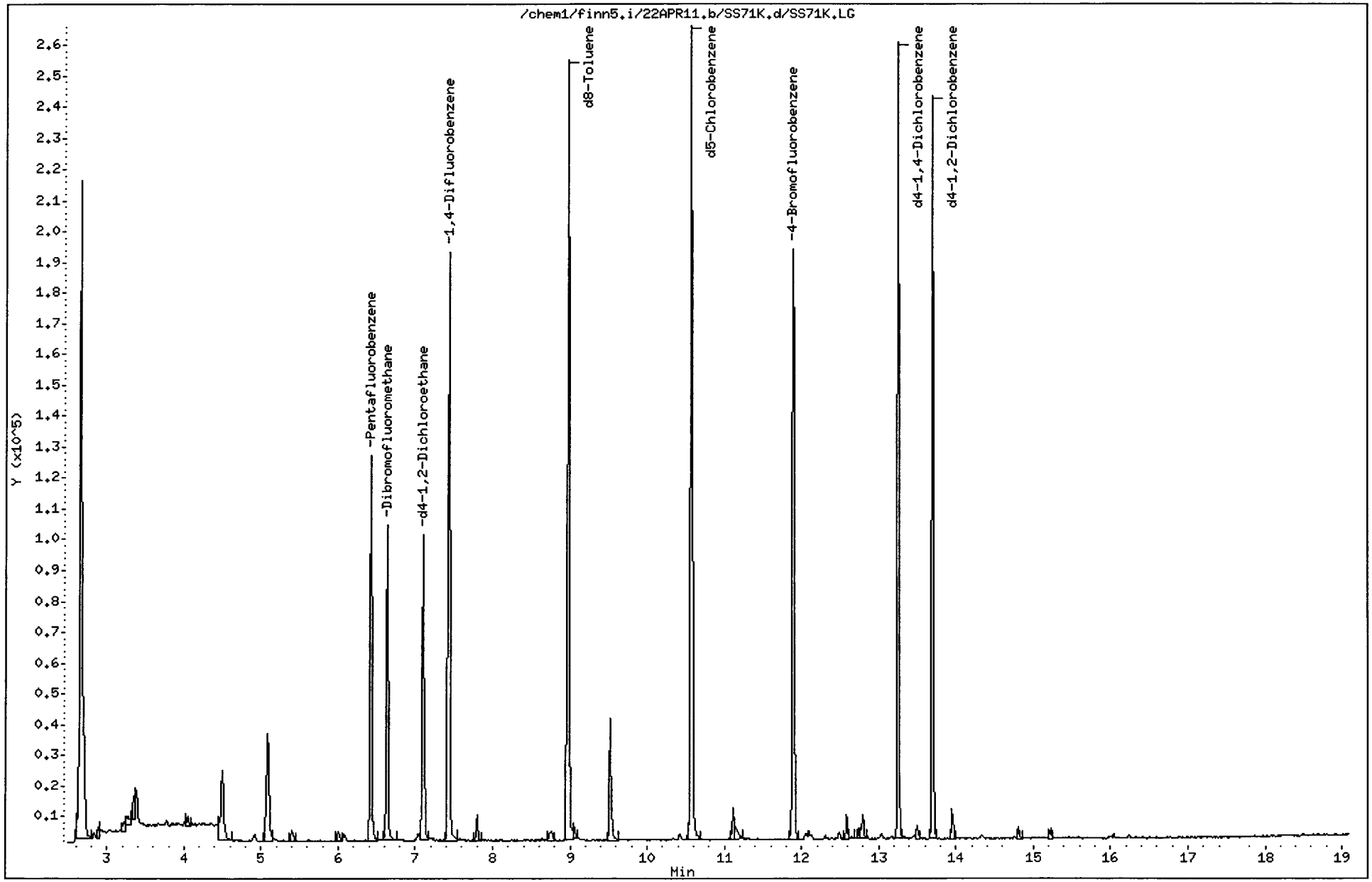
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	59.282	118.56	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.800	127.60	75-152
$ 43 d8-Toluene	50.000	47.493	94.99	82-115
$ 62 4-Bromofluorobenze	50.000	45.573	91.15	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.147	102.29	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71K.d
Date : 22-APR-2011 16:28
Client ID: LL-SB3-1.5-2-041911
Sample Info: SS71K,5,5.350,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71K.d

Lab ID: SS71K, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71L.d
Lab Smp Id: SS71L Client Smp ID: LL-SB3-2-4-041911
Inj Date : 22-APR-2011 16:55
Operator : PB Inst ID: finn5.i
Smp Info : SS71L,5,6.383,0
Misc Info : 11-8665
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

4/25/11

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	6.38300	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	4.522	4.502	(0.701)	43299	131.717	103.18
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	Bromoethane	108	Compound Not Detected.					
12	Iodomethane	142	Compound Not Detected.					
13	Methylene Chloride	84	5.095	5.075	(0.790)	15523	16.3134	12.779
14	Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.110	6.090	(0.947)	4536	9.55610	7.486
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.452	6.432	(1.000)	72050	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.031)	50114	58.5146	45.836(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	7.115	7.105	(1.103)	51062	64.3658	50.420
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	126124	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	8.995	8.975	(1.208)	136125	47.7441	37.399
	44 Toluene	92	9.075	9.055	(1.219)	1403	0.62072	0.4862
	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	10.593	10.573	(1.000)	126931	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	11.919	11.899	(1.125)	57461	44.1027	34.547
	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	13.276	13.256	(1.000)	59188	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.033)	52807	50.2370	39.352
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: SS71L.d
Lab Smp Id: SS71L
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8665

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB3-2-4-041911
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	91022	45511	182044	72050	-20.84
34 1,4-Difluorobenze	153104	76552	306208	126124	-17.62
52 d5-Chlorobenzene	143720	71860	287440	126931	-11.68
76 d4-1,4-Dichlorobe	77398	38699	154796	59188	-23.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.45	0.31
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.28	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: SS71L
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8665

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB3-2-4-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.515	117.03	30-160
$ 31 d4-1,2-Dichloroeth	50.000	64.366	128.73	75-152
$ 43 d8-Toluene	50.000	47.744	95.49	82-115
$ 62 4-Bromofluorobenze	50.000	44.103	88.21	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.237	100.47	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71L.d

Date : 22-APR-2011 16:55

Client ID: LL-SB3-2-4-041911

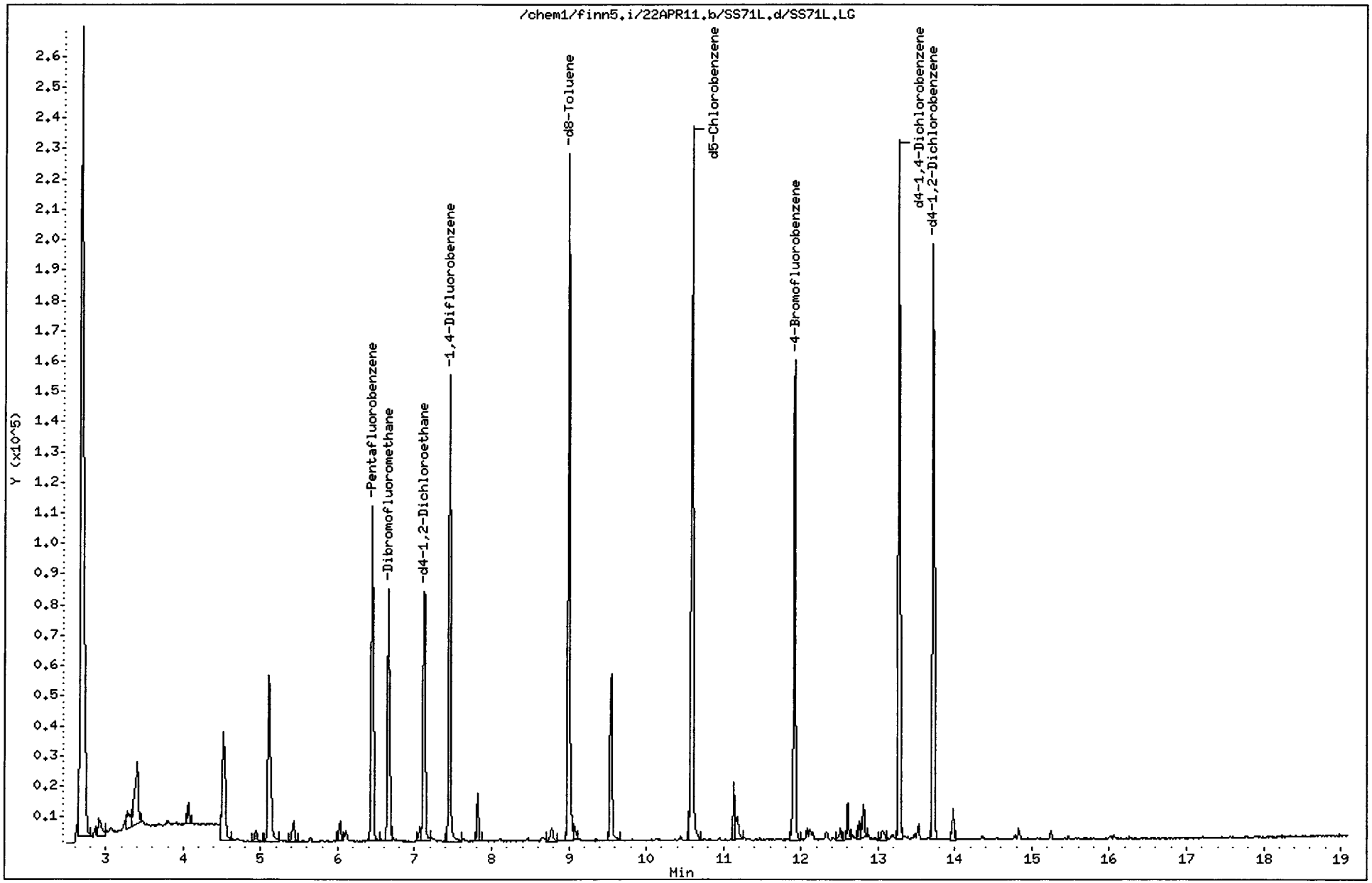
Sample Info: SS71L,5,6.383,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - SS71L.d

Lab ID: SS71L, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71M.d
Lab Smp Id: SS71M Client Smp ID: LL-SB2-0-0.5-041911
Inj Date : 22-APR-2011 17:23
Operator : PB Inst ID: finn5.i
Smp Info : SS71M,5,5.973,0
Misc Info : 11-8666
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.97300	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	4.492	4.502	(0.700)	53233	139.825	117.05(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	5.075	5.075	(0.790)	7266	6.59330	5.519
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	5.176	5.176	(0.806)	6389	1.83164	1.533
	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	6.080	6.090	(0.947)	6234	11.3400	9.493
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.422	6.432	(1.000)	83444	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	57521	57.9923	48.545(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	7.095	7.105	(1.105)	57360	62.4317	52.262
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.236	7.236	(0.974)	2823	0.70744	0.5922
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	141982	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	8.975	8.975	(1.208)	155527	48.4565	40.563
	44 Toluene	92	9.055	9.055	(1.219)	2914	1.14524	0.9587
	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	10.573	10.573	(1.000)	136717	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	11.889	11.899	(1.125)	56113	39.9853	33.472
	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	13.246	13.256	(1.000)	50156	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.034)	44553	50.0173	41.869
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: SS71M.d
Lab Smp Id: SS71M
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8666

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB2-0-0.5-041911
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	91022	45511	182044	83444	-8.33
34 1,4-Difluorobenze	153104	76552	306208	141982	-7.26
52 d5-Chlorobenzene	143720	71860	287440	136717	-4.87
76 d4-1,4-Dichlorobe	77398	38699	154796	50156	-35.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.25	-0.08

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

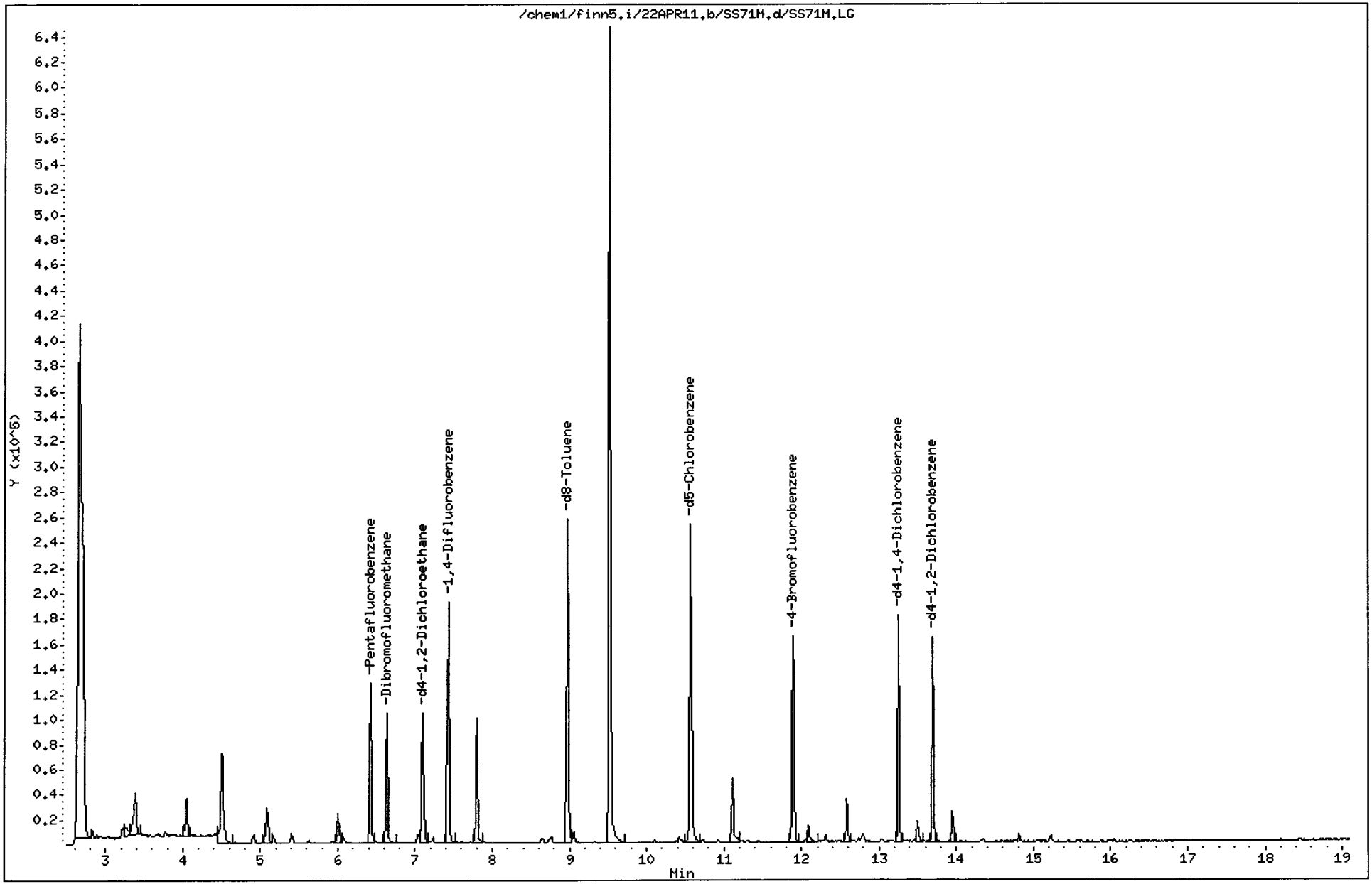
Client Name: Floyd Snider
Client SDG: SS71
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: SS71M
Client Smp ID: LL-SB2-0-0.5-041911
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8666

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.992	115.98	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.432	124.86	75-152
$ 43 d8-Toluene	50.000	48.456	96.91	82-115
$ 62 4-Bromofluorobenze	50.000	39.985	79.97	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.017	100.03	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71M.d
Date : 22-APR-2011 17:23
Client ID: LL-SB2-0-0.5-041911
Sample Info: SS71M,5,5.973,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71M.d

Lab ID: SS71M, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71N.d
Lab Smp Id: SS71N Client Smp ID: LL-SB2-1.5-2-041911
Inj Date : 22-APR-2011 17:51
Operator : PB Inst ID: finn5.i
Smp Info : SS71N,5,6.337,0
Misc Info : 11-8667
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	6.33700	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	4.502	4.502	(0.700)	5319	14.1640	11.176
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.085	5.075	(0.791)	7664	7.05043	5.563
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.432	6.432	(1.000)	82308	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	56886	58.1437	45.876(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	7.105	7.105	(1.105)	56237	62.0542	48.962
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	135942	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	8.985	8.975	(1.208)	155593	50.6309	39.949
	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	10.583	10.573	(1.000)	141914	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	11.899	11.899	(1.124)	66058	45.3482	35.780
	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	13.256	13.256	(1.000)	71850	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.034)	66114	51.8122	40.881
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: SS71N.d
Lab Smp Id: SS71N
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8667

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB2-1.5-2-041911
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	91022	45511	182044	82308	-9.57
34 1,4-Difluorobenze	153104	76552	306208	135942	-11.21
52 d5-Chlorobenzene	143720	71860	287440	141914	-1.26
76 d4-1,4-Dichlorobe	77398	38699	154796	71850	-7.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.43	0.00
34 1,4-Difluorobenze	7.44	6.94	7.94	7.44	0.00
52 d5-Chlorobenzene	10.57	10.07	11.07	10.58	0.10
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS71N
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8667

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB2-1.5-2-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.144	116.29	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.054	124.11	75-152
$ 43 d8-Toluene	50.000	50.631	101.26	82-115
$ 62 4-Bromofluorobenze	50.000	45.348	90.70	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.812	103.62	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71N.d

Date : 22-APR-2011 17:51

Client ID: LL-SB2-1.5-2-041911

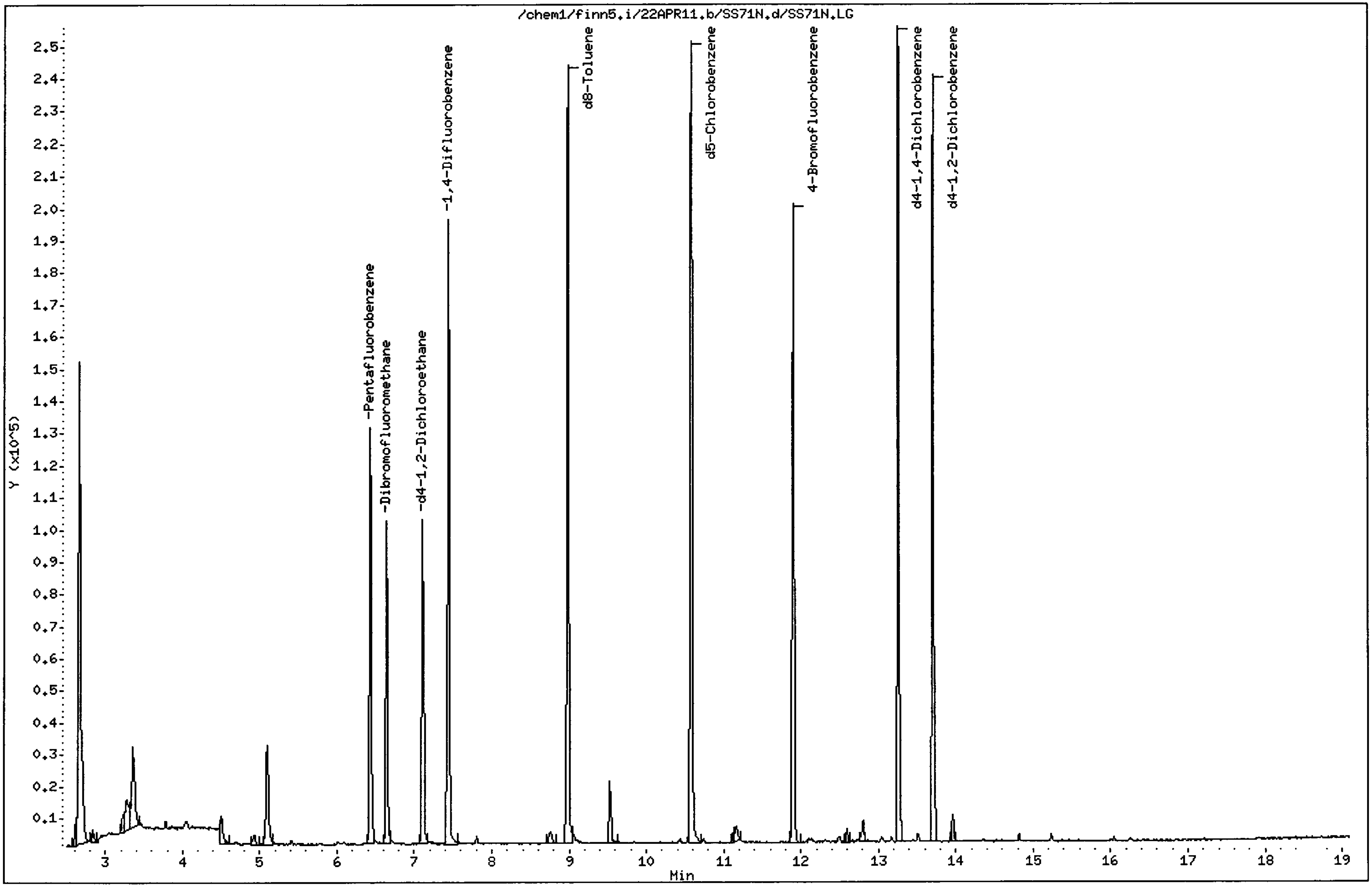
Instrument: finn5.i

Sample Info: SS71N,5,6.337,0

Operator: PB

Column phase: Rtx502.2

Column diameter: 0.18



CO-ELUTION SUMMARY FOR FILE - SS71N.d

Lab ID: SS71N, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS710.d
Lab Smp Id: SS710 Client Smp ID: LL-SB2-2-3.5-041911
Inj Date : 22-APR-2011 18:19
Operator : PB Inst ID: finn5.i
Smp Info : SS710,5,5.922,0
Misc Info : 11-8668
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.92200	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	4.502	4.502	(0.701)	6689	21.2510	17.942
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.075	5.075	(0.790)	15611	17.1338	14.466
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.422	6.432	(1.000)	68989	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.633	6.643	(1.033)	48843	59.5610	50.288(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	7.095	7.105	(1.105)	48228	63.4908	53.606
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.427	7.437	(1.000)	122009	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	8.975	8.975	(1.208)	133220	48.3011	40.781
	44 Toluene	92	9.055	9.055	(1.219)	1075	0.49165	0.4151
	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	10.573	10.573	(1.000)	123522	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	11.899	11.899	(1.125)	56355	44.4476	37.527
	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	13.256	13.256	(1.000)	60884	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.698	13.698	(1.033)	55729	51.5399	43.516
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: SS710.d
Lab Smp Id: SS710
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8668

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB2-2-3.5-041911
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	91022	45511	182044	68989	-24.21
34 1,4-Difluorobenze	153104	76552	306208	122009	-20.31
52 d5-Chlorobenzene	143720	71860	287440	123522	-14.05
76 d4-1,4-Dichlorobe	77398	38699	154796	60884	-21.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.42	-0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.43	-0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.57	0.00
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.26	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: SS710
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8668

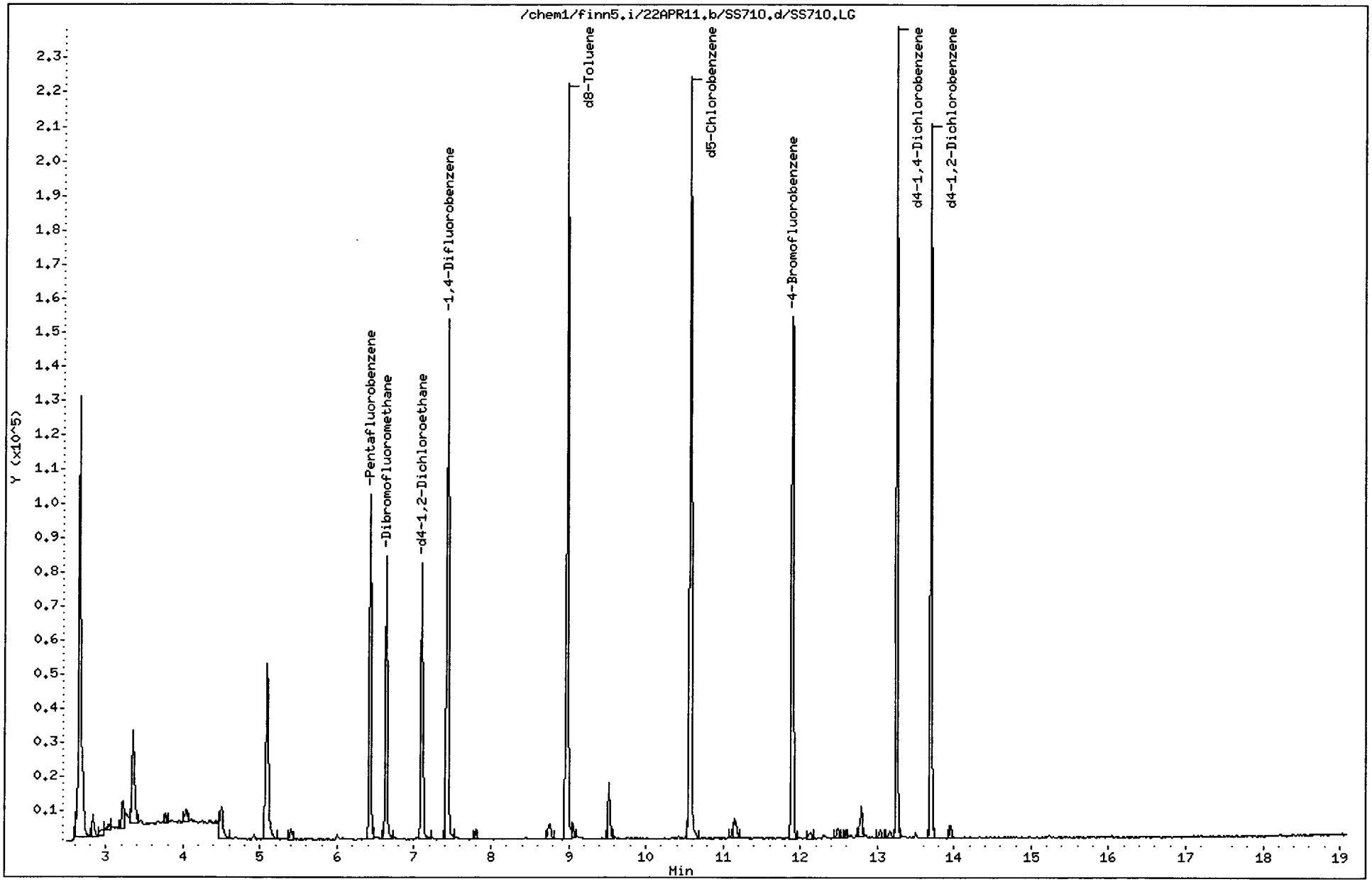
Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB2-2-3.5-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	59.561	119.12	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.491	126.98	75-152
$ 43 d8-Toluene	50.000	48.301	96.60	82-115
$ 62 4-Bromofluorobenze	50.000	44.448	88.90	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.540	103.08	80-120

Data File: /chem1/finn5.i/22APR11.b/SS710.d
Date : 22-APR-2011 18:19
Client ID: LL-SB2-2-3.5-041911
Sample Info: SS710,5,5.922,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS710.d

Lab ID: SS710, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71P.d
Lab Smp Id: SS71P Client Smp ID: LL-SB1-0-0.5-041911
Inj Date : 22-APR-2011 18:46
Operator : ^PB Inst ID: finn5.i
Smp Info : SS71P,5,5.254,0
Misc Info : 11-8669
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.25400	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	4.512	4.502	(0.700)	40258	123.052	117.10(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	5.095	5.075	(0.791)	15143	15.9902	15.217
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS 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	6.110	6.090	(0.949)	4157	8.79954	8.374
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	71707	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	49711	58.3217	55.502(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	7.115	7.105	(1.105)	49333	62.4838	59.463
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	126585	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	8.995	8.975	(1.208)	139058	48.5951	46.246
	44 Toluene	92	9.075	9.055	(1.219)	1795	0.79126	0.7530
	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	10.593	10.573	(1.000)	134430	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	11.919	11.899	(1.125)	61574	44.6232	42.466
	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	13.276	13.256	(1.000)	65466	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.033)	59238	50.9507	48.488
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: SS71P.d
Lab Smp Id: SS71P
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8669

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB1-0-0.5-041911
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	91022	45511	182044	71707	-21.22
34 1,4-Difluorobenze	153104	76552	306208	126585	-17.32
52 d5-Chlorobenzene	143720	71860	287440	134430	-6.46
76 d4-1,4-Dichlorobe	77398	38699	154796	65466	-15.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.28	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: SS71P
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8669

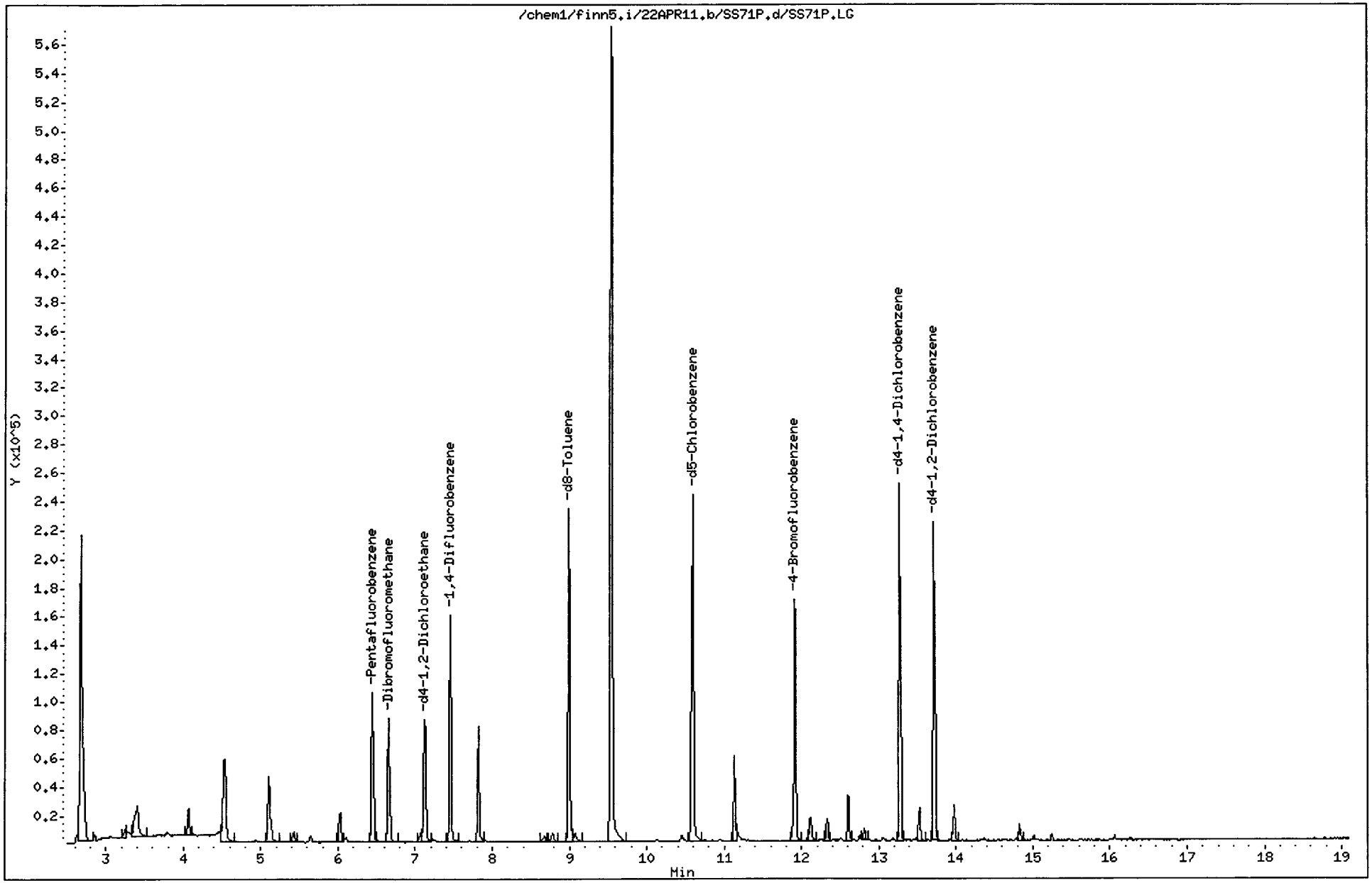
Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB1-0-0.5-041911
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.322	116.64	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.484	124.97	75-152
$ 43 d8-Toluene	50.000	48.595	97.19	82-115
$ 62 4-Bromofluorobenze	50.000	44.623	89.25	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.951	101.90	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71P.d
Date : 22-APR-2011 18:46
Client ID: LL-SB1-0-0.5-041911
Sample Info: SS71P,5,5.254,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71P.d

Lab ID: SS71P, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71Q.d
Lab Smp Id: SS71Q Client Smp ID: LL-SB1-0-0.5-041911
Inj Date : 22-APR-2011 19:14
Operator : PB Inst ID: finn5.i
Smp Info : SS71Q,5,4.816,0
Misc Info : 11-8670
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	4.81600	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	4.512	4.502	(0.700)	49780	170.773	177.30(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	5.095	5.075	(0.791)	10320	12.2306	12.698
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	6.100	6.090	(0.947)	3831	9.10167	9.449
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	63890	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	44222	58.2297	60.454(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	7.115	7.105	(1.105)	44117	62.7140	65.110
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	111794	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	8.985	8.975	(1.206)	122103	48.3156	50.161
	44 Toluene	92	9.075	9.055	(1.219)	1424	0.71077	0.7379
	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	10.583	10.573	(1.000)	119501	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	11.909	11.899	(1.125)	55417	45.1784	46.904
	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	13.266	13.256	(1.000)	59097	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.033)	53913	51.3681	53.331
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: SS71Q.d
Lab Smp Id: SS71Q
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8670

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB1-0-0.5-041911
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	91022	45511	182044	63890	-29.81
34 1,4-Difluorobenze	153104	76552	306208	111794	-26.98
52 d5-Chlorobenzene	143720	71860	287440	119501	-16.85
76 d4-1,4-Dichlorobe	77398	38699	154796	59097	-23.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.58	0.10
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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

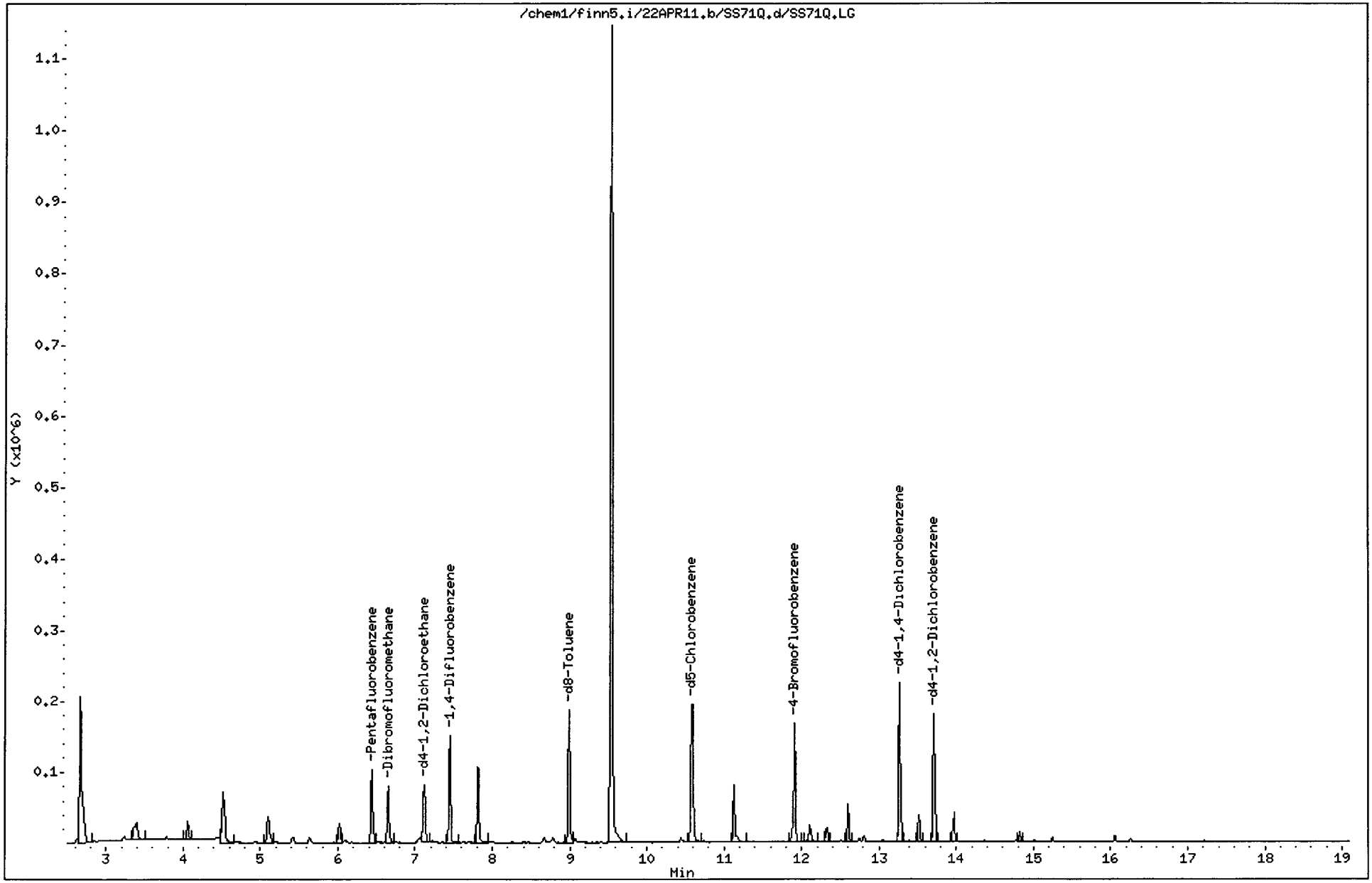
Client Name: Floyd Snider
Client SDG: SS71
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: SS71Q
Client Smp ID: LL-SB1-0-0.5-041911
Level: LOW
Operator: PB
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8670

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	58.230	116.46	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.714	125.43	75-152
$ 43 d8-Toluene	50.000	48.316	96.63	82-115
$ 62 4-Bromofluorobenze	50.000	45.178	90.36	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.368	102.74	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71Q.d
Date : 22-APR-2011 19:14
Client ID: LL-SB1-0-0.5-041911
Sample Info: SS71Q,5,4.816,0

Instrument: finn5.i
Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71Q.d

Lab ID: SS71Q, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71IMS.d
Lab Smp Id: SS71IMS Client Smp ID: LL-SB4-2-4-0419 MS
Inj Date : 22-APR-2011 19:42
Operator : PB Inst ID: finn5.i
Smp Info : SS71IMS,5,5.426,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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

14/25/14

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	5.42600	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	2.884	2.874	(0.447)	52778	71.0004	65.426
2 Chloromethane	50	3.186	3.156	(0.494)	93112	71.8095	66.172(R)
3 Vinyl Chloride	62	3.276	3.256	(0.508)	114788	71.1177	65.534(QR)
4 Bromomethane	94	3.759	3.739	(0.583)	29661	52.9850	48.825
5 Chloroethane	64	3.829	3.809	(0.593)	77042	71.6548	66.029(R)
6 Trichlorofluoromethane	101	4.080	4.060	(0.632)	115370	78.8590	72.668(R)
7 Acrolein	56	4.472	4.442	(0.693)	38746	171.526	158.06
8 112Trichloro122Trifluoroethane	101	4.482	4.462	(0.695)	92192	79.1723	72.956(R)
9 Acetone	43	4.522	4.502	(0.701)	152343	455.449	419.69(R)
10 1,1-Dichloroethene	96	4.673	4.653	(0.724)	56099	69.2319	63.796(R)
11 Bromoethane	108	4.884	4.864	(0.757)	45618	71.6763	66.049(R)
12 Iodomethane	142	4.985	4.965	(0.773)	50996	67.3401	62.053
13 Methylene Chloride	84	5.105	5.075	(0.791)	78350	80.9208	74.568(R)
14 Acrylonitrile	53	5.186	5.166	(0.804)	26784	71.7945	66.158(QR)

	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	5.236	5.206	(0.812)	148460	37.2943	34.366(Q)
	15 Carbon Disulfide	76	5.196	5.176	(0.805)	206444	67.3634	62.075(R)
	17 Trans-1,2-Dichloroethene	96	5.387	5.357	(0.835)	61252	65.5729	60.425(R)
	18 Vinyl Acetate	43	5.708	5.688	(0.885)	72031	39.6567	36.543
	19 1,1-Dichloroethane	63	5.759	5.739	(0.893)	111706	65.8066	60.640(R)
	20 2-Butanone	43	6.110	6.090	(0.947)	214915	444.967	410.03(R)
	21 2,2-Dichloropropane	77	6.281	6.261	(0.974)	76423	67.5657	62.261(R)
	22 Cis-1,2-Dichloroethene	96	6.321	6.291	(0.980)	66697	67.3210	62.036(R)
*	23 Pentafluorobenzene	168	6.452	6.432	(1.000)	73313	50.0000	
	24 Chloroform	83	6.462	6.442	(1.002)	109733	69.4828	64.028(R)
	26 Bromochloromethane	128	6.623	6.603	(1.026)	37832	72.9762	67.247(R)
$	25 Dibromofluoromethane	111	6.663	6.643	(1.033)	48272	55.3928	51.044(Q)
	27 1,1,1-Trichloroethane	97	6.844	6.824	(1.061)	88598	72.8586	67.138(R)
	29 1,1-Dichloropropene	75	6.995	6.965	(0.938)	83657	60.8121	56.038(R)
	30 Carbon Tetrachloride	117	7.105	7.085	(0.953)	89662	71.6282	66.005(R)
$	31 d4-1,2-Dichloroethane	65	7.125	7.105	(1.104)	45878	56.8348	52.373
	32 1,2-Dichloroethane	62	7.216	7.186	(0.968)	74498	65.6363	60.483(R)
	33 Benzene	78	7.256	7.236	(0.973)	231926	64.5853	59.515(R)
*	34 1,4-Difluorobenzene	114	7.457	7.437	(1.000)	127769	50.0000	
	35 Trichloroethene	95	7.819	7.799	(1.049)	67192	63.7881	58.780(R)
	36 1,2-Dichloropropane	63	7.980	7.960	(1.070)	69482	61.5926	56.757(R)
	37 Bromodichloromethane	83	8.221	8.191	(1.102)	84034	65.7368	60.576(R)
	39 Dibromomethane	93	8.281	8.261	(1.111)	45788	68.4811	63.105(R)
	40 2-Chloroethyl Vinyl Ether	63	8.472	8.422	(1.136)	378	1.55547	1.433(QR)
	41 4-Methyl-2-Pentanone	58	8.472	8.452	(1.136)	177573	433.339	399.32(QR)
	42 Cis 1,3-dichloropropene	75	8.723	8.703	(1.170)	95492	63.4785	58.495(R)
$	43 d8-Toluene	98	8.995	8.975	(1.206)	139783	48.3958	44.596
	44 Toluene	92	9.085	9.055	(1.218)	149930	65.4790	60.338(R)
	45 Trans 1,3-Dichloropropene	75	9.216	9.196	(1.236)	79134	62.1987	57.315(R)
	46 2-Hexanone	43	9.357	9.336	(0.883)	358087	397.433	366.23(R)
	47 1,1,2-Trichloroethane	97	9.397	9.377	(1.260)	61568	72.6373	66.934(R)
	48 1,3-Dichloropropane	76	9.658	9.638	(0.912)	108044	66.5617	61.336(R)
	49 Tetrachloroethene	166	9.769	9.748	(0.922)	78247	66.4681	61.250(R)
	50 Chlorodibromomethane	129	9.980	9.960	(0.942)	79829	68.9477	63.534(R)
	51 1,2-Dibromoethane	107	10.201	10.181	(1.368)	70119	71.4223	65.815(R)
*	52 d5-Chlorobenzene	117	10.593	10.573	(1.000)	127610	50.0000	
	53 Chlorobenzene	112	10.643	10.623	(1.005)	165726	62.8075	57.876(R)
	54 Ethyl Benzene	91	10.673	10.653	(1.008)	266884	65.8735	60 702(R)
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.643	(1.007)	64850	66.1878	60.991(R)
	56 m,p-xylene	106	10.753	10.733	(1.015)	216126	131.439	121.12(R)
	57 o-Xylene	106	11.246	11.226	(1.062)	107637	63.0047	58.058(R)
	58 Styrene	104	11.276	11.256	(1.064)	153022	56.1184	51.712
	59 Isopropyl Benzene	105	11.628	11.608	(0.876)	275337	63.8518	58.839(R)
	60 Bromoform	173	11.678	11.658	(0.880)	59165	69.0259	63.607(R)
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.779	(0.889)	99820	67.9502	62.615(R)
$	62 4-Bromofluorobenzene	95	11.919	11.899	(1.125)	62947	48.0563	44.283
	63 1,2,3-Trichloropropane	110	11.970	11.949	(0.902)	25838	72.9172	67.192(R)

	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	12.030	12.010	(0.906)	24183	63.2172	58.254(R)
66	N-Propyl Benzene	91	12.080	12.060	(0.910)	304917	63.5777	58.586
67	Bromobenzene	156	12.160	12.140	(0.916)	76635	57.3369	52.835
68	1,3,5-Trimethyl Benzene	105	12.251	12.231	(0.923)	210241	61.1606	56.359
69	2-Chloro Toluene	91	12.301	12.291	(0.927)	195026	58.8069	54.190
70	4-Chloro Toluene	91	12.351	12.331	(0.930)	187556	54.8035	50.501
71	T-Butyl Benzene	119	12.663	12.643	(0.954)	202450	61.3627	56.545(R)
72	1,2,4-Trimethylbenzene	105	12.713	12.693	(0.958)	200806	58.1966	53.628
73	S-Butyl Benzene	105	12.904	12.884	(0.972)	292356	63.5576	58.568
74	4-Isopropyl Toluene	119	13.055	13.035	(0.983)	221195	61.3540	56.537
75	1,3-Dichlorobenzene	146	13.196	13.176	(0.994)	129148	55.0723	50.748
* 76	d4-1,4-Dichlorobenzene	152	13.276	13.256	(1.000)	72536	50.0000	
77	1,4-Dichlorobenzene	146	13.316	13.296	(1.003)	125031	53.5563	49.352
78	N-Butyl Benzene	91	13.527	13.507	(1.019)	206646	58.1155	53.553
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.033)	65677	50.9830	46.980
80	1,2-Dichlorobenzene	146	13.758	13.738	(1.036)	121401	55.2353	50.899
81	1,2-Dibromo 3-Chloropropane	75	14.663	14.643	(1.104)	17377	66.0606	60.874(R)
82	1,2,4-Trichlorobenzene	180	15.708	15.688	(1.183)	67256	42.8828	39.516
83	Hexachloro 1,3-Butadiene	225	15.859	15.839	(1.195)	43186	47.9253	44.163
84	Naphthalene	128	16.030	16.010	(1.207)	159818	46.2209	42.592
85	1,2,3-Trichlorobenzene	180	16.321	16.301	(1.229)	65067	42.0814	38.778

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: SS71IMS.d
Lab Smp Id: SS71IMS
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB4-2-4-0419 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	91022	45511	182044	73313	-19.46
34 1,4-Difluorobenze	153104	76552	306208	127769	-16.55
52 d5-Chlorobenzene	143720	71860	287440	127610	-11.21
76 d4-1,4-Dichlorobe	77398	38699	154796	72536	-6.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.45	0.31
34 1,4-Difluorobenze	7.44	6.94	7.94	7.46	0.27
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.28	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: SS71IMS
Level: LOW
Data Type: MS DATA
SpikeList File: gasco.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB4-2-4-0419 MS
Operator: PB
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3 Vinyl Chloride	46.074	65.534	142.24*	63-137
10 1,1-Dichloroethene	46.074	63.796	138.46*	75-126
17 Trans-1,2-Dichloro	46.074	60.425	131.15*	80-120
22 Cis-1,2-Dichloroet	46.074	62.036	134.64*	80-120
33 Benzene	46.074	59.515	129.17*	80-120
35 Trichloroethene	46.074	58.780	127.58*	80-120
44 Toluene	46.074	60.338	130.96*	80-120
49 Tetrachloroethene	46.074	61.250	132.94*	80-121
54 Ethyl Benzene	46.074	60.702	131.75*	80-127
56 m,p-xylene	92.149	121.12	131.44*	80-125
57 o-Xylene	46.074	58.058	126.01*	78-120

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	55.393	110.79	30-160
$ 31 d4-1,2-Dichloroeth	50.000	56.835	113.67	75-152
$ 43 d8-Toluene	50.000	48.396	96.79	82-115
$ 62 4-Bromofluorobenze	50.000	48.056	96.11	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.983	101.97	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71IMS.d

Date : 22-APR-2011 19:42

Client ID: LL-SB4-2-4-0419 MS

Sample Info: SS71IMS,5,5.426,0

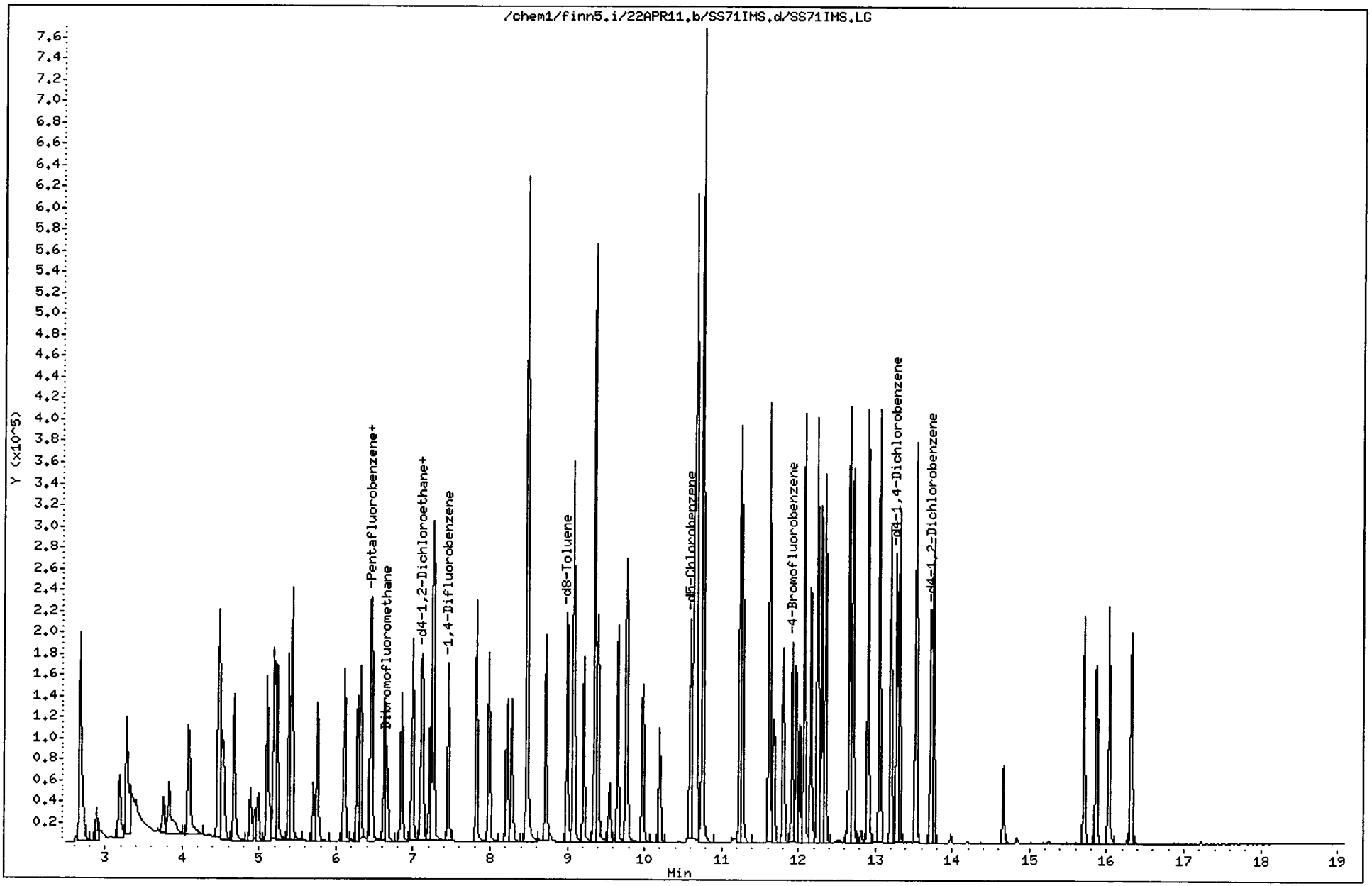
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18

SS71 . 00611



CO-ELUTION SUMMARY FOR FILE - SS71IMS.d

Lab ID: SS71IMS, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71IMSD.d
Lab Smp Id: SS71IMSD Client Smp ID: LL-SB4-2-4-0419 MSD
Inj Date : 22-APR-2011 20:09
Operator : PB Inst ID: finn5.i
Smp Info : SS71IMSD,5,5.450,0
Misc Info : 11-8662
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.45000	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	2.884	2.874	(0.448)	54620	75.7718	69.515(R)
2 Chloromethane	50	3.186	3.156	(0.495)	95855	76.2323	69.938(R)
3 Vinyl Chloride	62	3.276	3.256	(0.509)	117734	75.2196	69.009(QR)
4 Bromomethane	94	3.749	3.739	(0.582)	34050	62.7238	57.545
5 Chloroethane	64	3.819	3.809	(0.593)	81090	77.7738	71.352(R)
6 Trichlorofluoromethane	101	4.080	4.060	(0.633)	116094	81.8307	75.074(R)
7 Acrolein	56	4.462	4.442	(0.693)	39219	179.039	164.26
8 112Trichloro122Trifluoroethane	101	4.472	4.462	(0.694)	93192	82.5290	75.715(R)
9 Acetone	43	4.512	4.502	(0.700)	162024	499.510	458.27(R)
10 1,1-Dichloroethene	96	4.663	4.653	(0.724)	59398	75.5912	69.350(R)
11 Bromoethane	108	4.884	4.864	(0.758)	47061	76.2515	69.956(R)
12 Iodomethane	142	4.975	4.965	(0.772)	53326	72.6147	66.619(R)
13 Methylene Chloride	84	5.095	5.075	(0.791)	74264	79.0948	72.564(R)
14 Acrylonitrile	53	5.176	5.166	(0.803)	29374	81.1946	74.490(QR)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.226	5.206	(0.811)	156864	40.6354	37.280(Q)
	15 Carbon Disulfide	76	5.186	5.176	(0.805)	211323	71.1077	65.236(R)
	17 Trans-1,2-Dichloroethene	96	5.377	5.357	(0.835)	63508	70.1101	64.321(R)
	18 Vinyl Acetate	43	5.698	5.688	(0.885)	72416	41.1130	37.718
	19 1,1-Dichloroethane	63	5.759	5.739	(0.894)	113721	69.0847	63.380(R)
	20 2-Butanone	43	6.100	6.090	(0.947)	227735	486.226	446.08(R)
	21 2,2-Dichloropropane	77	6.271	6.261	(0.973)	77798	70.9282	65.072(R)
	22 Cis-1,2-Dichloroethene	96	6.311	6.291	(0.980)	67560	70.3205	64.514(R)
*	23 Pentafluorobenzene	168	6.442	6.432	(1.000)	71094	50.0000	
	24 Chloroform	83	6.452	6.442	(1.002)	111384	72.7295	66.724(R)
	26 Bromochloromethane	128	6.613	6.603	(1.027)	38359	76.3022	70.002(R)
$	25 Dibromofluoromethane	111	6.653	6.643	(1.033)	45461	53.7954	49.354(Q)
	27 1,1,1-Trichloroethane	97	6.844	6.824	(1.062)	89973	76.2987	69.999(R)
	29 1,1-Dichloropropene	75	6.985	6.965	(0.938)	85309	68.2000	62.569(R)
	30 Carbon Tetrachloride	117	7.095	7.085	(0.953)	89635	78.7508	72.248(R)
$	31 d4-1,2-Dichloroethane	65	7.115	7.105	(1.105)	44539	56.8982	52.200
	32 1,2-Dichloroethane	62	7.206	7.186	(0.968)	75733	73.3814	67.322(R)
	33 Benzene	78	7.246	7.236	(0.973)	233929	71.6423	65.727(R)
*	34 1,4-Difluorobenzene	114	7.447	7.437	(1.000)	116178	50.0000	
	35 Trichloroethene	95	7.819	7.799	(1.050)	67928	70.9207	65.065(R)
	36 1,2-Dichloropropane	63	7.980	7.960	(1.072)	69125	67.3896	61.825(R)
	37 Bromodichloromethane	83	8.211	8.191	(1.103)	83353	71.7094	65.788(R)
	39 Dibromomethane	93	8.281	8.261	(1.112)	45883	75.4697	69.238(R)
	40 2-Chloroethyl Vinyl Ether	63	8.472	8.422	(1.138)	396	1.79212	1.644(QR)
	41 4-Methyl-2-Pentanone	58	8.472	8.452	(1.138)	186505	500.545	459.22(QR)
	42 Cis 1,3-dichloropropene	75	8.713	8.703	(1.170)	96805	70.7716	64.928(R)
$	43 d8-Toluene	98	8.995	8.975	(1.208)	131097	49.9169	45.795
	44 Toluene	92	9.075	9.055	(1.219)	151112	72.5796	66.587(R)
	45 Trans 1,3-Dichloropropene	75	9.206	9.196	(1.236)	79375	68.6125	62.947(R)
	46 2-Hexanone	43	9.346	9.336	(0.882)	379451	457.341	419.58(R)
	47 1,1,2-Trichloroethane	97	9.387	9.377	(1.260)	61080	79.2511	72.707(R)
	48 1,3-Dichloropropane	76	9.648	9.638	(0.911)	108948	72.8875	66.869(R)
	49 Tetrachloroethene	166	9.759	9.748	(0.921)	78870	72.7558	66.748(R)
	50 Chlorodibromomethane	129	9.970	9.960	(0.941)	79551	74.6130	68.452(R)
	51 1,2-Dibromoethane	107	10.191	10.181	(1.368)	70244	78.6881	72.191(R)
*	52 d5-Chlorobenzene	117	10.593	10.573	(1.000)	117510	50.0000	
	53 Chlorobenzene	112	10.633	10.623	(1.004)	166839	68.6639	62.994(R)
	54 Ethyl Benzene	91	10.663	10.653	(1.007)	266844	71.5246	65.619(R)
	55 1,1,1,2-Tetrachloroethane	131	10.663	10.643	(1.007)	64279	71.2438	65.361(R)
	56 m,p-xylene	106	10.743	10.733	(1.014)	216802	143.183	131.36(R)
	57 o-Xylene	106	11.236	11.226	(1.061)	107532	68.3532	62.709(R)
	58 Styrene	104	11.266	11.256	(1.064)	153531	61.1445	56.096
	59 Isopropyl Benzene	105	11.618	11.608	(0.876)	273252	69.6226	63.874(R)
	60 Bromoform	173	11.668	11.658	(0.880)	58939	75.5489	69.311(R)
	61 1,1,2,2-Tetrachloroethane	83	11.799	11.779	(0.889)	101872	76.1914	69.900(R)
$	62 4-Bromofluorobenzene	95	11.909	11.899	(1.124)	58399	48.4162	44.418
	63 1,2,3-Trichloropropane	110	11.970	11.949	(0.902)	26508	82.1914	75.405(R)

	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	12.020	12.010	(0.906)	24266	69.6950	63.940(R)
66	N-Propyl Benzene	91	12.070	12.060	(0.910)	303333	69.4898	63.752(R)
67	Bromobenzene	156	12.160	12.140	(0.917)	76833	63.1587	57.944(R)
68	1,3,5-Trimethyl Benzene	105	12.241	12.231	(0.923)	206646	66.0480	60.594(R)
69	2-Chloro Toluene	91	12.301	12.291	(0.927)	190140	62.9923	57.791(R)
70	4-Chloro Toluene	91	12.341	12.331	(0.930)	194597	62.4729	57.314
71	T-Butyl Benzene	119	12.653	12.643	(0.954)	197322	65.7114	60.286(R)
72	1,2,4-Trimethylbenzene	105	12.703	12.693	(0.958)	202052	64.3372	59.025(R)
73	S-Butyl Benzene	105	12.904	12.884	(0.973)	288279	68.8568	63.171(R)
74	4-Isopropyl Toluene	119	13.045	13.035	(0.983)	219896	67.0136	61.480(R)
75	1,3-Dichlorobenzene	146	13.186	13.176	(0.994)	129918	60.8685	55.843(R)
* 76	d4-1,4-Dichlorobenzene	152	13.266	13.256	(1.000)	66020	50.0000	
77	1,4-Dichlorobenzene	146	13.306	13.296	(1.003)	126241	59.4116	54.506
78	N-Butyl Benzene	91	13.527	13.507	(1.020)	204933	63.3221	58.094
$ 79	d4-1,2-Dichlorobenzene	152	13.718	13.698	(1.034)	58765	50.1198	45.981
80	1,2-Dichlorobenzene	146	13.748	13.738	(1.036)	123118	61.5452	56.464(R)
81	1,2-Dibromo 3-Chloropropane	75	14.653	14.643	(1.105)	17792	74.3140	68.178(R)
82	1,2,4-Trichlorobenzene	180	15.698	15.688	(1.183)	67138	47.0326	43.149
83	Hexachloro 1,3-Butadiene	225	15.859	15.839	(1.195)	39609	48.2941	44.306
84	Naphthalene	128	16.020	16.010	(1.208)	158551	50.3802	46.220
85	1,2,3-Trichlorobenzene	180	16.311	16.301	(1.230)	64197	45.6165	41.850

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: SS71IMSD.d
Lab Smp Id: SS71IMSD
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Calibration Date: 22-APR-2011
Calibration Time: 09:14
Client Smp ID: LL-SB4-2-4-0419 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	91022	45511	182044	71094	-21.89
34 1,4-Difluorobenze	153104	76552	306208	116178	-24.12
52 d5-Chlorobenzene	143720	71860	287440	117510	-18.24
76 d4-1,4-Dichlorobe	77398	38699	154796	66020	-14.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.43	5.93	6.93	6.44	0.16
34 1,4-Difluorobenze	7.44	6.94	7.94	7.45	0.14
52 d5-Chlorobenzene	10.57	10.07	11.07	10.59	0.19
76 d4-1,4-Dichlorobe	13.26	12.76	13.76	13.27	0.08

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: SS71IMSD
Level: LOW
Data Type: MS DATA
SpikeList File: gasco.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/22APR11.b/s8260b.m
Misc Info: 11-8662

Client SDG: SS71
Fraction: VOA
Client Smp ID: LL-SB4-2-4-0419 MSD
Operator: PB
SampleType: MSD
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3	Vinyl Chloride	45.872	69.009	150.44*	63-137
10	1,1-Dichloroethene	45.872	69.350	151.18*	75-126
17	Trans-1,2-Dichloro	45.872	64.321	140.22*	80-120
22	Cis-1,2-Dichloroet	45.872	64.514	140.64*	80-120
33	Benzene	45.872	65.727	143.28*	80-120
35	Trichloroethene	45.872	65.065	141.84*	80-120
44	Toluene	45.872	66.587	145.16*	80-120
49	Tetrachloroethene	45.872	66.748	145.51*	80-121
54	Ethyl Benzene	45.872	65.619	143.05*	80-127
56	m,p-xylene	91.743	131.36	143.18*	80-125
57	o-Xylene	45.872	62.709	136.71*	78-120

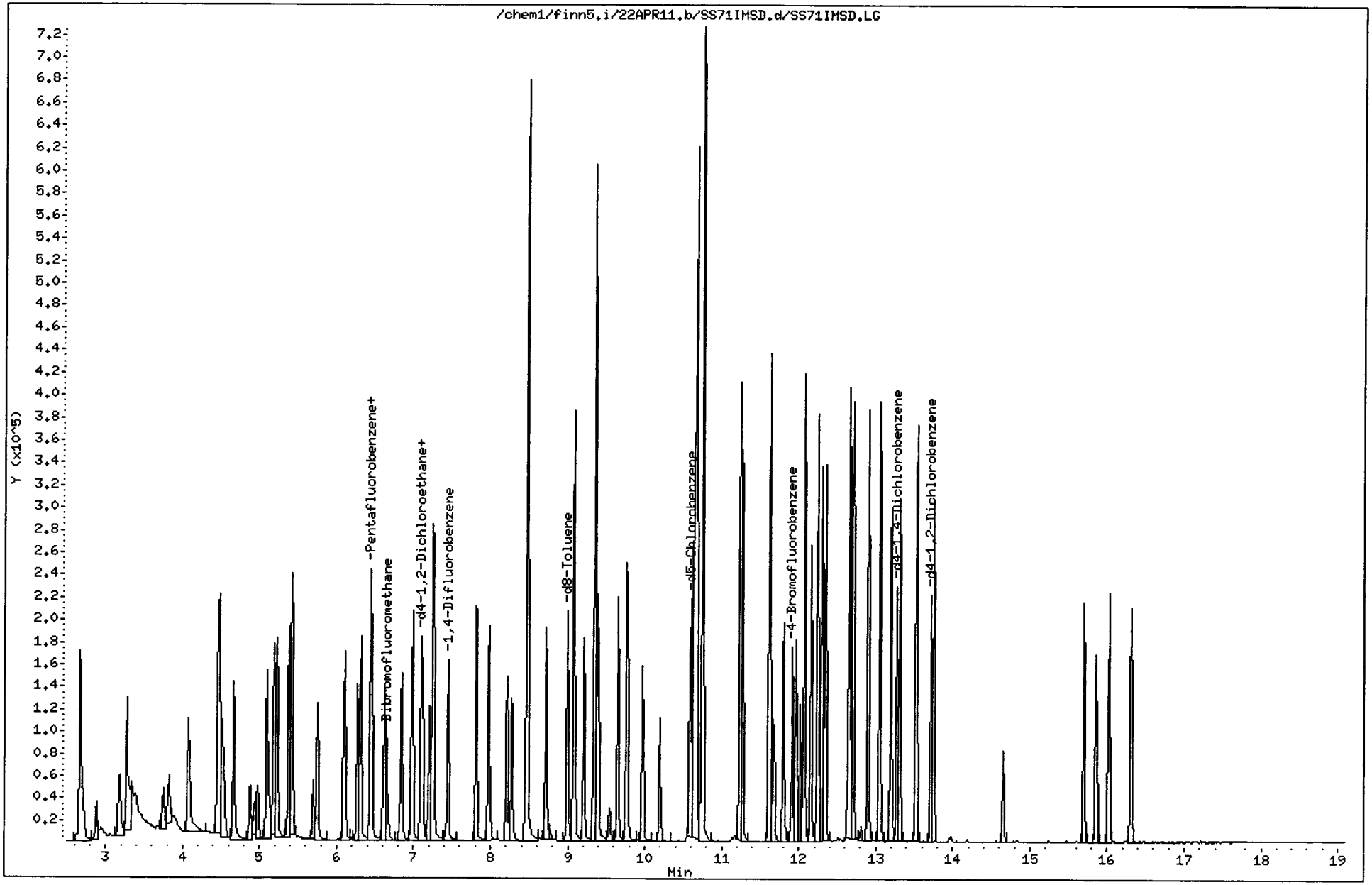
	SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25	Dibromofluorometha	50.000	53.795	107.59	30-160
$ 31	d4-1,2-Dichloroeth	50.000	56.898	113.80	75-152
$ 43	d8-Toluene	50.000	49.917	99.83	82-115
$ 62	4-Bromofluorobenze	50.000	48.416	96.83	64-120
$ 79	d4-1,2-Dichloroben	50.000	50.120	100.24	80-120

Data File: /chem1/finn5.i/22APR11.b/SS71IMSD.d
Date : 22-APR-2011 20:09
Client ID: LL-SB4-2-4-0419 MSD
Sample Info: SS71IMSD,5,5.450,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



CO-ELUTION SUMMARY FOR FILE - SS71IMSD.d

Lab ID: SS71IMSD, Method: s8260b.m, Instrument: finn5.i, Date: 22-APR-2011

RT	CO-ELUTION COMPOUNDS
10.663	1,1,1,2-Tetrachloroethane and Ethyl Benzene

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/22APR11.b/SS71R.d
Lab Smp Id: SS71R Client Smp ID: LL-SB1-1.5-2-041911
Inj Date : 22-APR-2011 20:37
Operator : PB Inst ID: finn5.i
Smp Info : SS71R,5,5.596,0
Misc Info : 11-8671
Comment :
Method : /chem1/finn5.i/22APR11.b/s8260b.m
Meth Date : 25-Apr-2011 18:47 patrickb Quant Type: ISTD
Cal Date : 09-MAR-2011 13:53 Cal File: 2000309.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	5.59600	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	4.502	4.502	(0.700)	26243	89.0842	79.596(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	5.085	5.075	(0.791)	10790	12.6536	11.306
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	5.186	5.176	(0.806)	1835	0.67987	0.6075
	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	6.090	6.090	(0.947)	5013	11.7850	10.530
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.432	6.432	(1.000)	64567	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.643	6.643	(1.033)	43233	56.3306	50.331(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	7.105	7.105	(1.105)	44530	62.6373	55.966
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.437	7.437	(1.000)	105391	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	8.462	8.452	(1.138)	1836	5.43182	4.853
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	8.985	8.975	(1.208)	116740	48.9999	43.781
	44 Toluene	92	9.065	9.055	(1.219)	3075	1.62810	1.455
	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	10.583	10.573	(1.000)	108918	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	11.899	11.899	(1.124)	50848	45.4814	40.637
	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	12.884	12.884	(0.972)	1783	0.52801	0.4718
74	4-Isopropyl Toluene	119	13.035	13.035	(0.983)	9329	3.52482	3.149
75	1,3-Dichlorobenzene	146	13.186	13.176	(0.995)	1050	0.60991	0.5450
* 76	d4-1,4-Dichlorobenzene	152	13.256	13.256	(1.000)	53250	50.0000	
77	1,4-Dichlorobenzene	146	13.296	13.296	(1.003)	1258	0.73402	0.6558(Q)
78	N-Butyl Benzene	91	13.517	13.507	(1.020)	2225	0.85237	0.7616
$ 79	d4-1,2-Dichlorobenzene	152	13.708	13.698	(1.034)	47954	50.7074	45.307
80	1,2-Dichlorobenzene	146	13.738	13.738	(1.036)	1350	0.83669	0.7476
81	1,2-Dibromo 3-Chloropropane	75	14.643	14.643	(1.105)	491	2.54263	2.272(Q)
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.