ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: PSB13-14.5-16.5-072910
SAMPLE

Lab Sample ID: RG60F
LIMS ID: 10-18284
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG60-Floyd/Snider
Project: Lora Lake RI
POS-LLA
Date Sampled: 07/29/10
Date Received: 07/29/10

Percent Total Solids: 89.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/03/10	6010B	08/09/10	7440-38-2	Arsenic	5	5	U
3050B	08/03/10	6010B	08/09/10	**7439-92-1**	**Lead**	2	**5**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: RG60LCS
LIMS ID: 10-18280
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG60-Floyd/Snider
Project: Lora Lake RI
POS-LLA
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	189	200	94.5%	
Lead	6010B	185	200	92.5%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: STD REFERENCE
ERA D053540

Lab Sample ID: RG60SRM
LIMS ID: 10-18280
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG60-Floyd/Snider
Project: Lora Lake RI
POS-LLA
Date Sampled: NA
Date Received: NA

Analyte	Analysis Method	Analysis Date	mg/kg-dry	Certified Value	Advisory Range
Arsenic	6010B	08/09/10	130	132	106-157
Lead	6010B	08/09/10	122	130	106-154

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: RG60MB
LIMS ID: 10-18280
Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

QC Report No: RG60-Floyd/Snider
Project: Lora Lake RI
POS-LLA
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/03/10	6010B	08/09/10	7440-38-2	Arsenic	5	5	U
3050B	08/03/10	6010B	08/09/10	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL
RL-Reporting Limit

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS: ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Arsenic	AS	ICP	IP080922	2000.0	2005.53	**100.3**	2000.0	1979.14	**99.0**	1974.16	**98.7**	1956.04	**97.8**	1991.89	**99.6**	1930.61	**96.5**
Lead	PB	ICP	IP080922	2000.0	1970.42	**98.5**	2000.0	1960.52	**98.0**	1936.51	**96.8**	1919.35	**96.0**	1973.82	**98.7**	1893.88	**94.7**

Control Limits: Mercury 80-120; Other Metals 90-110

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS:ug/L

ANALYTE	EL	M	RUN	CCVTV	CCV6	%R	CCV7	%R	CCV8	%R	CCV9	%R	CCV10	%R	CCV11	%R
Arsenic	AS	ICP	IP080922	2000.0	1914.42	**95.7**	1887.21	**94.4**								
Lead	PB	ICP	IP080922	2000.0	1894.62	**94.7**	1859.35	**93.0**								

Control Limits: Mercury 80-120; Other Metals 90-110

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS: ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Arsenic	AS	ICP	IP081021	2000.0	2015.60	100.8	2000.0	2012.31	100.6	1979.92	99.0	1961.33	98.1				
Lead	PB	ICP	IP081021	2000.0	2008.61	100.4	2000.0	1999.97	100.0	1970.51	98.5	1952.89	97.6				

Control Limits: Mercury 80-120; Other Metals 90-110

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

UNITS: ug/L

SDG: RG60

ANALYTE	EL	M	RUN	CRA/I TV	CR-1	%R	CR-2	%R	CR-3	%R	CR-4	%R	CR-5	%R	CR-6	%R
Arsenic	AS	ICP	IP080922	50.0	52.99	**106.0**										
Lead	PB	ICP	IP080922	20.0	19.21	**96.1**										
Arsenic	AS	ICP	IP081021	50.0	51.70	**103.4**										
Lead	PB	ICP	IP081021	20.0	19.54	**97.7**										

Control Limits: no control limits have been established by the EPA at this time.

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS: ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Arsenic	AS	ICP	IP080922	10.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Lead	PB	ICP	IP080922	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U

RG60 00208

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	CCB6	C	CCB7	C	CCB8	C	CCB9	C	CCB10	C	CCB11	C
Arsenic	AS	ICP	IP080922	10.0	50.0	50.0	U	50.0	U								
Lead	PB	ICP	IP080922	3.0	20.0	20.0	U	20.0	U								

RG60 00210

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

UNITS: ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Arsenic	AS	ICP	IP081021	10.0	50.0	50.0	U	50.0	U	50.0	U	50.0	U				
Lead	PB	ICP	IP081021	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U				

RG60.00214

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

ICS SOURCE: I.V.

PROJECT: Lora Lake RI

RUNID: IP080922

SDG: RG60

INSTRUMENT ID: OPTIMA ICP 1

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	199517.4	200163.0	**100.1**						
Antimony		1000	0.2	1075.6	**107.6**						
Arsenic		1000	0.8	1000.3	**100.0**						
Barium		1000	1.2	967.9	**96.8**						
Beryllium		1000	-0.1	1002.0	**100.2**						
Boron			13.2	9.3							
Cadmium		1000	0.8	998.2	**99.8**						
Calcium	100000	100000	99064.0	98809.8	**98.8**						
Chromium		1000	0.7	974.7	**97.5**						
Cobalt		1000	0.7	923.3	**92.3**						
Copper		1000	0.0	1065.1	**106.5**						
Iron	200000	200000	194639.7	194992.0	**97.5**						
Lead		1000	4.6	937.5	**93.8**						
Magnesium	100000	100000	101866.3	101540.5	**101.5**						
Manganese		1000	-0.3	965.1	**96.5**						
Molybdenum			1.8	1.5							
Nickel		1000	-4.4	948.3	**94.8**						
Potassium			-80.1	-77.5							
Selenium		1000	-15.9	989.3	**98.9**						
Silicon			-1.2	-11.5							
Silver		1000	0.2	1011.8	**101.2**						
Sodium			15.9	27.0							
Strontium			4.1	4.2							
Thallium		1000	-23.9	922.9	**92.3**						
Tin			-6.8	-7.7							
Titanium			1.4	1.0							
Vanadium		1000	1.2	1000.7	**100.1**						
Zinc		1000	-0.8	918.0	**91.8**						

RG60-080922

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

ICS SOURCE: I.V.

PROJECT: Lora Lake RI

RUNID: IP081021

SDG: RG60

INSTRUMENT ID: OPTIMA ICP 1

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	205514.2	205794.4	**102.9**						
Antimony		1000	-1.7	1078.9	**107.9**						
Arsenic		1000	-3.7	1008.9	**100.9**						
Barium		1000	1.4	989.0	**98.9**						
Beryllium		1000	-0.1	1019.9	**102.0**						
Boron			17.8	16.7							
Cadmium		1000	0.9	1018.4	**101.8**						
Calcium	100000	100000	99640.6	100214.8	**100.2**						
Chromium		1000	-0.2	1000.3	**100.0**						
Cobalt		1000	0.8	940.6	**94.1**						
Copper		1000	0.2	1089.7	**109.0**						
Iron	200000	200000	199259.4	200028.9	**100.0**						
Lead		1000	4.1	957.0	**95.7**						
Magnesium	100000	100000	102521.6	103533.6	**103.5**						
Manganese		1000	-0.6	988.3	**98.8**						
Molybdenum			2.4	2.5							
Nickel		1000	-1.1	967.7	**96.8**						
Potassium			-49.6	-65.7							
Selenium		1000	-13.1	1012.3	**101.2**						
Silicon			1.0	-16.1							
Silver		1000	0.3	1034.0	**103.4**						
Sodium			2.9	25.9							
Strontium			3.9	4.3							
Thallium		1000	-29.3	941.7	**94.2**						
Tin			-6.2	-6.7							
Titanium			-1.2	-2.0							
Vanadium		1000	1.7	1023.0	**102.3**						
Zinc		1000	-0.5	939.4	**93.9**						

RG60-00213

IDLs and ICP Linear Ranges

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60 UNITS: ug/L

ANALYTE	EL	METH	INSTRUMENT	WAVELENTH (nm)	GFA BACK-GROUND	CLP CRDL	RL	RL DATE	ICP LINEAR RANGE (ug/L)	ICP LR DATE
Arsenic	AS	ICP	OPTIMA ICP 1	188.98		10	50.0	4/1/2010	30000.0	1/5/2010
Lead	PB	ICP	OPTIMA ICP 1	220.35		3	20.0	4/1/2010	300000.0	1/5/2010

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

IEC DATE: 7/6/2010

SDG: RG60

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.2355440	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	17.0027000	0.0000000	0.1572420
Arsenic	188.98	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.2352700	0.8180370	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.1428370	0.0000000	0.0000000	0.0470802
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	1.8037800	0.0000000	0.0000000	0.0000000	0.0000000	0.0974417	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0177217	0.0000000	-0.1961840	0.0000000	0.0000000	-0.0190915
Cobalt	228.62	0.0000000	0.0000000	0.2779700	0.0000000	0.0000000	0.0000000	0.0000000	-0.0353624	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3251790	-0.0447468	0.0000000	-0.0890304
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.7705580	0.0000000	0.0000000
Lead	220.35	-0.2816010	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.1815720	-2.2074600	0.7896340	0.0656631
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.1855000	-0.9151660	0.0000000	0.5909920
Manganese	257.61	0.0066850	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0905061	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3014560	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	-0.2017550	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.1700530
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.9846030	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0079591	0.0000000	0.0000000	0.0000000	0.0000000	-0.0388957
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	6.6097600	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	7.4722900	0.3242200	0.0000000	0.0000000
Tin	189.93	0.0000000	0.0000000	0.0000000	0.0000000	-0.0541080	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0390012	0.0000000	0.0000000	0.2355950	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-6.3540200	0.0000000	0.1175110
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	-0.0274712	0.0000000	0.0000000	0.7506560	0.0000000	0.0000000

RG60_00215

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

IEC DATE: 7/6/2010

SDG: RG60

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	MG	MN	MO	NI	PB	SB	TI	TL	V	ZN
Aluminum	308.22	0.0000000	0.0000000	21.2545000	0.0000000	0.0000000	0.0000000	2.8125800	0.0000000	15.0921000	0.0000000
Antimony	206.84	0.0000000	0.0000000	1.0344800	-0.3070020	0.0000000	0.0000000	-1.4160400	0.0000000	-3.8439000	0.0000000
Arsenic	188.98	0.0000000	0.0000000	2.5244400	0.0000000	0.0000000	0.0000000	-2.0028700	0.0000000	0.2321020	0.0000000
Barium	233.53	0.0000000	0.0000000	-0.0807140	0.1230910	0.0000000	0.0000000	0.0000000	0.0000000	0.4218910	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0147106	0.0000000	2.5747000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	-0.2903710	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0253678	0.0000000	0.1718520	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	-0.2077620	0.1103830	0.0000000	0.0000000	1.7357300	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.2918050	0.0000000	0.0000000	0.0000000	0.2546650	0.0000000	0.0000000	0.0000000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.2411010	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-2.3243600	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	-0.2624450	0.0000000	0.0000000	0.0000000	-0.0268726	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0635115
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.7106400	0.0000000	0.5028230	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.9733860	0.0000000	1.2234000	0.0000000	0.0000000	0.0000000	0.0000000	0.5486720	0.0000000
Silicon	288.16	-0.1332780	0.0000000	-1.6690100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.1753400	0.1445960	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2407240	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	10.1240000	0.0000000	0.0000000	17.0380000
Thallium	190.80	0.0000000	1.3195900	-1.8108400	0.0000000	0.0000000	0.0000000	1.6792500	0.0000000	4.8373400	0.0000000
Tin	189.93	-0.0277709	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3823320	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	0.9543820	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.1453870	-6.2931400	0.0000000	0.0000000	0.0000000	0.8380490	0.0000000	0.0000000	0.0000000
Zinc	206.20	-0.0223351	0.0000000	0.2510450	0.0000000	-0.0884182	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

RG60-00216

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI

SDG: RG60

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 8/3/2010

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
PSB13-0-0.5-072910	RG60A	1.060	0.0	50.0
PSB13-0-0.5-072910D	RG60ADUP	1.063	0.0	50.0
PSB13-0-0.5-072910S	RG60ASPK	1.063	0.0	50.0
PSB13-1.5-2-072910	RG60B	1.086	0.0	50.0
PSB13-2-4-072910	RG60C	1.021	0.0	50.0
PSB13-4-6-072910	RG60D	1.052	0.0	50.0
PSB13-11-13-072910	RG60E	1.037	0.0	50.0
PSB13-14.5-16.5-07	RG60F	1.041	0.0	50.0
PBS	RG60MB1	1.000	0.0	50.0
LCSS	RG60MB1SPK	1.000	0.0	50.0
LCSS	RG60REF1	1.003	0.0	50.0

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/9/2010

SDG: RG60 | RUNID: IP080922 | METHOD: ICP | END DATE: 8/9/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	11195				X																	X									
S2	S2	1.00	11255																														
S2	S2	1.00	11285																														
S3	S3	1.00	11324				X																	X									
S4	S4	1.00	11375																														
S5	S5	1.00	11420																														
ZZZZZZ	ZZZZZZ	1.00	11573																														
ZZZZZZ	ZZZZZZ	1.00	12033																														
S0	S0	1.00	12084				X																	X									
ICV	ICV	1.00	12132				X																	X									
ICB	ICB	1.00	12192				X																	X									
CRI	CRII	1.00	12252				X																	X									
ICSA	ICSAI	1.00	12312				X																	X									
ICSAB	ICSABI	1.00	12372				X																	X									
CCV	CCV1	1.00	12442				X																	X									
CCB	CCB1	1.00	12502				X																	X									
ZZZZZZ	DICHECK	1.00	12562																														
ZZZZZZ	RH30MB	2.00	13022																														
ZZZZZZ	QC21	1.00	13082																														
ZZZZZZ	QC7M	1.00	13144																														
ZZZZZZ	RH30A	2.00	13204																														
ZZZZZZ	RH30B	2.00	13264																														
ZZZZZZ	RH30C	2.00	13325																														
ZZZZZZ	RH51A	2.00	13384																														
ZZZZZZ	RH51B	2.00	13444																														
ZZZZZZ	RH30MBSPK	2.00	13504																														
CCV	CCV2	1.00	13565				X																	X									
CCB	CCB2	1.00	14025				X																	X									
ZZZZZZ	RH51MB1	2.00	14085																														
ZZZZZZ	RG24A	1.00	14145																														
ZZZZZZ	RG24B	1.00	14211																														
ZZZZZZ	RH30A	5.00	14273																														
ZZZZZZ	RH51C	2.00	14333																														
ZZZZZZ	RH51DDUP	2.00	14393																														
ZZZZZZ	RH51D	2.00	14454																														

FORM XIV

RG60_00213

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/9/2010

SDG: RG60 | RUNID: IP080922 | METHOD: ICP | END DATE: 8/9/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
ZZZZZZ	RH51DSPK	2.00	14514																														
ZZZZZZ	ZZZZZZ	2.00	14573																														
ZZZZZZ	RH51MB1SPK	2.00	15032																														
CCV	CCV3	1.00	15092				X																	X									
CCB	CCB3	1.00	15152				X																	X									
ZZZZZZ	RG47MB	2.00	15212																														
ZZZZZZ	RG42MB	2.00	15272																														
ZZZZZZ	RG24MB	1.00	15332																														
ZZZZZZ	RG24D	1.00	15392																														
ZZZZZZ	RG24E	1.00	15454																														
ZZZZZZ	RG24F	1.00	15520																														
ZZZZZZ	RG24G	1.00	15582																														
ZZZZZZ	RG42A	2.00	16044																														
ZZZZZZ	RG42B	2.00	16104																														
ZZZZZZ	RG24MBSPK	1.00	16164																														
CCV	CCV4	1.00	16225				X																	X									
CCB	CCB4	1.00	16285				X																	X									
CCV	CCV5	1.00	16333				X																	X									
CCB	CCB5	1.00	16393				X																	X									
ZZZZZZ	RG24C	1.00	16453																														
ZZZZZZ	RG42C	2.00	16514																														
ZZZZZZ	RG42D	2.00	16574																														
ZZZZZZ	RG42E	2.00	17035																														
ZZZZZZ	RG47A	5.00	17095																														
PSB13-1.5-2-072910	RG60B	2.00	17155																														
PSB13-2-4-072910	RG60C	2.00	17220				X																	X									
PSB13-4-6-072910	RG60D	2.00	17280																														
ZZZZZZ	RG47MBSPK	2.00	17335																														
ZZZZZZ	RG42MBSPK	2.00	17395																														
CCV	CCV6	1.00	17455				X																	X									
CCB	CCB6	1.00	17515				X																	X									
PBS	RG60MB1	2.00	17575				X																	X									
ZZZZZZ	RG76Q	2.00	18035																														
PSB13-11-13-072910	RG60E	2.00	18100				X																	X									
PSB13-14.5-16.5-07	RG60F	2.00	18160				X																	X									

FORM XIV

RG60.0921.6

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/9/2010

SDG: RG60 | RUNID: IP080922 | METHOD: ICP | END DATE: 8/9/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
PSB13-0-0.5-072910D	RG60ADUP	2.00	18220				X																	X									
PSB13-0-0.5-072910	RG60A	2.00	18281				X																	X									
PSB13-0-0.5-072910S	RG60ASPK	2.00	18341				X																	X									
ZZZZZZ	ZZZZZZ	2.00	18400																														
LCSS	RG60REF1	2.00	18455				X																	X									
LCSS	RG60MB1SPK	2.00	18514				X																	X									
CCV	CCV7	1.00	18574				X																	X									
CCB	CCB7	1.00	19034				X																	X									

RG60.00220

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/10/2010

SDG: RG60 | RUNID: IP081021 | METHOD: ICP | END DATE: 8/10/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	11073				X																	X									
S2	S2	1.00	11133																														
S3	S3	1.00	11172				X																	X									
S4	S4	1.00	11214																														
S5	S5	1.00	11255																														
S0	S0	1.00	11391				X																	X									
ICV	ICV	1.00	11434				X																	X									
ICB	ICB	1.00	11494				X																	X									
CRI	CRII	1.00	11554				X																	X									
ICSA	ICSAI	1.00	12014				X																	X									
ICSAB	ICSABI	1.00	12075				X																	X									
ZZZZZZ	NEWICSA	1.00	12134																														
ZZZZZZ	NEWICSAB	1.00	12200																														
CCV	CCV1	1.00	12270				X																	X									
CCB	CCB1	1.00	12330				X																	X									
ZZZZZZ	RG62MB1	2.00	12390																														
ZZZZZZ	RH52MB	5.00	12450																														
ZZZZZZ	RH52ADUP	5.00	12512																														
ZZZZZZ	RH52A	5.00	12574																														
ZZZZZZ	RH52ASPK	5.00	13040																														
PSB13-4-6-072910	RG60D	5.00	13102				X																	X									
ZZZZZZ	RG62BDUP	2.00	13162																														
ZZZZZZ	RG62B	2.00	13222																														
ZZZZZZ	ZZZZZZ	2.00	13282																														
ZZZZZZ	RG62MB1SPK	2.00	13342																														
CCV	CCV2	1.00	13402				X																	X									
CCB	CCB2	1.00	13462				X																	X									
ZZZZZZ	RG63MB	1.00	13522																														
ZZZZZZ	RG63A	1.00	13582																														
ZZZZZZ	RG63B	1.00	14042																														
ZZZZZZ	RG49G	1.00	14104																														
PSB13-1.5-2-072910	RG60B	2.00	14164				X																	X									
ZZZZZZ	RG76Q	5.00	14224																														
ZZZZZZ	RG76R	2.00	14284																														
ZZZZZZ	RG76S	2.00	14345																														

RG60.0021

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Floyd/Snider

PROJECT: Lora Lake RI | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/10/2010

SDG: RG60 | RUNID: IP081021 | METHOD: ICP | END DATE: 8/10/2010

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
ZZZZZZ	RG62BSPK	2.00	14405																														
ZZZZZZ	RG76MBSPK	2.00	14464																														
CCV	CCV3	1.00	14524				X																	X									
CCB	CCB3	1.00	14584				X																	X									

RG60: 60222

General Chemistry Analysis
Report and Summary QC Forms

ARI Job ID: RG60

SAMPLE RESULTS-CONVENTIONALS
RG60-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lake RI
Event: POS-LLA
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: PSB13-11-13-072910
ARI ID: 10-18283 RG60E

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/30/10 073010#1	EPA 160.3	Percent	0.01	91.80
Total Organic Carbon	08/06/10 080610#1	Plumb,1981	Percent	0.020	0.408

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
RG60-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lake RI
Event: POS-LLA
Date Sampled: 07/29/10
Date Received: 07/29/10

Client ID: PSB13-14.5-16.5-072910
ARI ID: 10-18284 RG60F

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/30/10 073010#1	EPA 160.3	Percent	0.01	91.40
Total Organic Carbon	08/06/10 080610#1	Plumb,1981	Percent	0.020	0.578

RL Analytical reporting limit
U Undetected at reported detection limit

LAB CONTROL RESULTS-CONVENTIONALS
RG60-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lake RI
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon Plumb,1981	ICVL	08/06/10	Percent	0.096	0.100	96.0%

METHOD BLANK RESULTS-CONVENTIONALS
RG60-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lake RI
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	07/30/10	Percent	< 0.01 U
Total Organic Carbon	08/06/10	Percent	< 0.020 U

STANDARD REFERENCE RESULTS-CONVENTIONALS
RG60-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lake RI
Event: POS-LLA
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	08/06/10	Percent	3.22	3.35	96.1%

MS/MSD RESULTS-CONVENTIONALS
RG51-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lakes RI
Event: POS-LLA
Date Sampled: 07/28/10
Date Received: 07/28/10

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: RG51F Client ID: PSB12-14-17-072810						
Total Organic Carbon	08/09/10	Percent	0.280	1.06	0.851	91.7%

REPLICATE RESULTS-CONVENTIONALS
RG51-Floyd/Snider

ANALYTICAL RESOURCES INCORPORATED

Matrix: Soil
Data Release Authorized:
Reported: 08/11/10

Project: Lora Lakes RI
Event: POS-LLA
Date Sampled: 07/28/10
Date Received: 07/28/10

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: RG51F Client ID: PSB12-14-17-072810					
Total Solids	07/30/10	Percent	92.50	91.80 91.60	0.5%
Total Organic Carbon	08/09/10	Percent	0.280	0.311 0.339	9.5%

Total Solids

ARI Job ID: RG60

Volatiles Total Solids-voats
Data By: Pat Basilio
Created: 8/ 5/10

Worklist: 37
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.	RG60A 10-18279				$ 93.80
2.	RG60B 10-18280				$ 92.80
3.	RG60C 10-18281				$ 92.40
4.	RG60D 10-18282				$ 89.80
5.	RG60E 10-18283				$ 90.40
6.	RG60F 10-18284				$ 89.70

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

BETX/TPHG Total Solids-betxts
Data By: Monica Herbert
Created: 8/ 6/10

Worklist: 320
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. RG60A 10-18279			*	93.8
2. RG60B 10-18280			*	92.8
3. RG60C 10-18281			*	92.4
4. RG60D 10-18282			*	89.8
5. RG60E 10-18283			*	90.4
6. RG60F 10-18284			*	89.7

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

Extractions Total Solids-extts
Data By: Julia Weidner
Created: 8/ 3/10

Worklist: 8751
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.	RG60A 10-18279 PSB13-0-0.5-072910	1.17	14.16	13.35	93.8	NR
2.	RG60B 10-18280 PSB13-1.5-2-072910	1.18	12.04	11.26	92.8	NR
3.	RG60C 10-18281 PSB13-2-4-072910	1.18	11.93	11.11	92.4	NR
4.	RG60D 10-18282 PSB13-4-6-072910	1.18	13.30	12.06	89.8	NR
5.	RG60E 10-18283 PSB13-11-13-072910	1.18	12.81	11.69	90.4	NR
6.	RG60F 10-18284 PSB13-14.5-16.5-072910	1.17	13.02	11.80	89.7	NR

Extractions Total Solids-extts
Data By: Julia Weidner
Created: 8/ 3/10

Worklist: 8751
Analyst: JW
Comments:

Oven ID: Ø15

Balance ID: 2415Ø347

Samples In: Date: 8/3/10 Time: 12:35 Temp: 100 Analyst: JW

Samples Out: Date: 8/4/10 Time: 06:25 Temp: 100 Analyst: RR

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	RG60A 10-18279 PSB13-0-0.5-072910	1.17	14.16	13.35		NR
2.	RG60B 10-18280 PSB13-1.5-2-072910	1.18	12.04	11.26		NR
3.	RG60C 10-18281 PSB13-2-4-072910	1.18	11.93	11.11		NR
4.	RG60D 10-18282 PSB13-4-6-072910	1.18	13.30	12.06		NR
5.	RG60E 10-18283 PSB13-11-13-072910	1.18	12.81	11.69		NR
6.	RG60F 10-18284 PSB13-14.5-16.5-072910	1.17	13.02	11.80		NR

Solids Data Entry Report Checked by: DM Date: 8/4/10
Date: 08/04/10 Data Analyst: KM

Solids Determination performed on 08/03/10 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
RG60	A	PSB13-0-0.5-072910	0.965	10.615	10.026	93.90
RG60	B	PSB13-1.5-2-072910	0.981	10.095	9.394	92.31
RG60	C	PSB13-2-4-072910	0.986	10.568	9.834	92.34
RG60	D	PSB13-4-6-072910	1.006	10.482	9.444	89.05
RG60	E	PSB13-11-13-072910	0.957	10.534	9.620	90.46
RG60	F	PSB13-14.5-16.5-072	0.958	10.671	9.614	89.12

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Total Solids Bench Sheet

Laboratory Section Metals

Oven Identification: 07 **Balance ID:** 068755

Samples in Oven: Date: 8-03-10 Time: 1640 Temp: 104°C Analyst: DM

Removed from Oven: Date: 8-04-10 Time: 1005 Temp: 101°C Analyst: MH

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]
RH00	A	0.986	10.347	9.745	—	✓
"	B	0.982	10.608	10.049	—	✓
"	C	0.946	10.741	10.088	—	✓
RG60	A	0.965	10.615	10.026	—	✓
"	B	0.981	10.095	9.394	—	✓
"	C	0.986	10.568	9.834	—	✓
"	D	1.006	10.482	9.444	—	✓
"	E	0.957	10.534	9.620	—	✓
"	F	0.958	10.671	9.614	—	✓
RG51	A	0.989	10.526	9.649	—	✓
"	B	0.971	10.487	9.982	—	✓
"	C	0.985	10.417	9.781	—	✓
"	D	0.967	10.366	9.877	—	✓
"	E	0.972	10.923	10.448	—	✓
"	F	0.997	10.618	9.833	—	✓
"	G	0.980	10.030	9.272	—	✓
			8-3-10 DM			

1) Place a check mark in this column if samples have dried > 12 but < 24 hours. When samples have been at 104℃ < 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: RG60

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. RG60 | Client ID/Project | Extraction Date | MeOH Lot No. | Analyst

1st Extraction: | 2nd Extraction: MRG

	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	RG60 A	5	✓		43.62	35.52	8.10			
2	B	4	✓		45.18	35.63	9.55			
3	C	4	✓		45.54	35.51	10.03			
4	D	4	✓		45.40	35.88	9.52			
5	E	5	✓		46.33	35.62	10.71			
6	F	4	✓		46.50	35.52	10.98			
7	G	2					5mL			
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
	Balance ID:									

	Solution ID	Concentration	Amount Spiked	Analyst	Witness
Surrogate:					
Spike:					

RG60 : 09226

Volatile Raw Data
Initial Calibration Notes and Raw Data

ARI Job ID: RG60

Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: FS ical Client ID: _____

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

Parameter(s): _____

Instrument: NT-3 NT-5 NT-7 NT-9 NT-10 PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 5 Curve Date: 7/23/12 Analysis Start Date: 7/23/12

pH ≤ 2.0	YES / NO / NA	Method Blank In Control?	YES / NO
BFB Tune Meets Criteria?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
Internal Standard Meets Criteria?	YES / NO / NA	Surrogate Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO
Q flag applied?	YES / NO / NA	Q flag applied?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes /NO
Special Analysis Criteria Met?	YES / NO / NA		

Bubbles/Headspace: None SM (≤ 2mm •) PB (2-4mm) LG (> 4mm ●) Head Space

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

ICV - bromoethane 124.8%R
1,2,4 TCB 75%R
1,2,3 TCB 76.7%R

all analytes averaged

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 7/29/12

Reviewer: _____ **Date:** 7/29/12

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 7/23/10 Analysis: 8260C Analyst: KT

GC Program: F5 Column No: 821724 Column Type: RTX-502.2

Instrument Tune (.U or .CT.): DFB0723 EM Voltage: 1599

Calibration File: 2000723 Curve Date: 7/22/10

IS/SS	Ical/Ccal	LCS/ICV
W644-4	W646-2	W647-1
	W646-3	~~W645-~~ 1 6/reb

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/23JUL10.b

	Time	Filename	LabID	ClientID	WT						
1	0837	BFB0723.d	BFB0723	BFB0723	0.00						
2	1648	BFB07231.d	BFB0723	BFB0723	0.00						
3	1718	2000723.d	IC0723	VSTD200	5.00 | 6.62	159149|| 7.64	229095||10.79	171495||13.47	145587|		
4	1749	1500723.d	IC0723	VSTD150	5.00 | 6.62	155784|| 7.64	228573||10.78	178614||13.47	122904|		
5	1816	1000723.d	IC0723	VSTD100	5.00 | 6.62	135334|| 7.64	199732||10.78	160631||13.47	96340|		
6	1842	0500723.d	IC0723	VSTD050	5.00 | 6.62	131115|| 7.63	191559||10.78	161199||13.47	88279|		
7	1909	0100723.d	IC0723	VSTD010	5.00 | 6.62	118930|| 7.63	168271||10.78	140990||13.46	72150|		
8	1935	0050723.d	IC0723	VSTD005	5.00 | 6.62	117041|| 7.63	170929||10.78	146260||13.46	75761|		
9	2002	0020723.d	IC0723	VSTD002	5.00 | 6.62	115854|| 7.63	165926||10.78	143906||13.47	73251|		
10	2028	0010723.d	IC0723	VSTD001	5.00 | 6.61	113813|| 7.63	168346||10.77	142296||13.46	71616|		
11	2214	ICV0723.d	ICV0723	ICV0723	5.00 | 6.62	130699|| 7.64	194200||10.78	160989||13.47	90026|		

7/reb

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/23JUL10.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 23-JUL-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1648	BFB07231.d	BFB0723	BFB0723	1	NO MANUAL INTEGRATION
1718	2000723.d	IC0723	VSTD200	1	NO MANUAL INTEGRATION
1749	1500723.d	IC0723	VSTD150	1	NO MANUAL INTEGRATION
1816	1000723.d	IC0723	VSTD100	1	NO MANUAL INTEGRATION
1842	0500723.d	IC0723	VSTD050	1	NO MANUAL INTEGRATION
1909	0100723.d	IC0723	VSTD010	1	NO MANUAL INTEGRATION
1935	0050723.d	IC0723	VSTD005	1	2-Hexanone, Trans-1,4-Dichloro 2-Butene,
2002	0020723.d	IC0723	VSTD002	1	Acetone, 2-Hexanone, 1,2,3-Trichloropropane, Trans-1,4-Dichloro 2-Butene,
2028	0010723.d	IC0723	VSTD001	1	Acetone, 1,1,1-Trichloroethane, 2-Hexanone, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, Trans-1,4-Dichloro 2-Butene,
2214	ICV0723.d	ICV0723	ICV0723	1	NO MANUAL INTEGRATION

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

Instrument: finn5.i

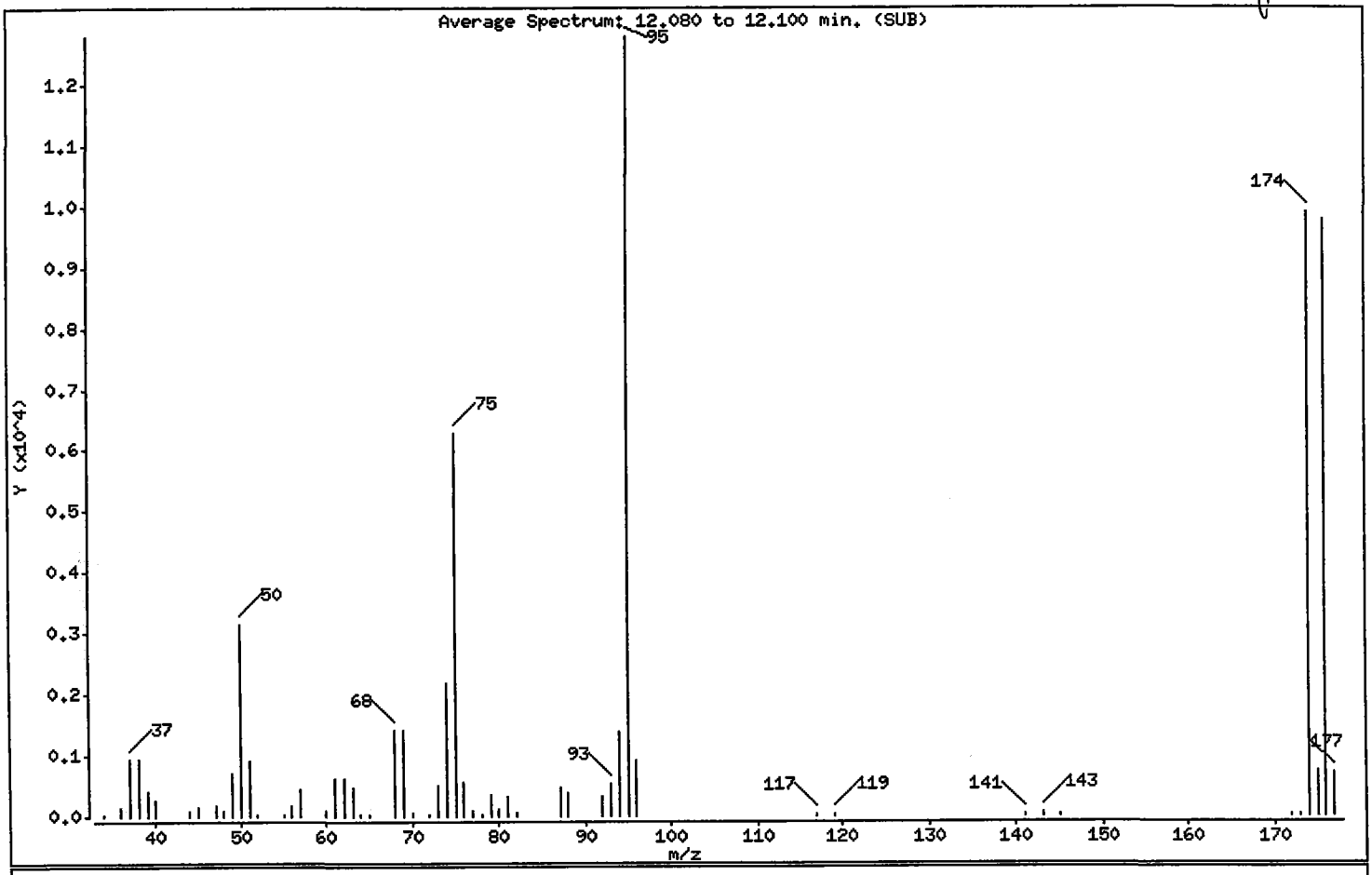
Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	24.73
75	30.00 - 66.00% of mass 95	49.06
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.16 (0.21)
174	50.00 - 101.00% of mass 95	77.38
175	4.00 - 9.00% of mass 174	5.70 (7.37)
176	93.00 - 101.00% of mass 174	76.42 (98.77)
177	5.00 - 9.00% of mass 176	5.51 (7.21)

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

Instrument: finn5.i

Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB07231.d
Spectrum: Average Spectrum: 12.080 to 12.100 min. (SUB)
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
34.00	41	55.00	28	74.00	2174	95.00	12792
36.00	159	56.00	184	75.00	6276	96.00	905
37.00	938	57.00	440	76.00	565	117.00	17
38.00	936	60.00	91	77.00	77	119.00	25
39.00	400	61.00	624	78.00	18	141.00	28
40.00	260	62.00	625	79.00	363	143.00	45
44.00	96	63.00	460	80.00	109	145.00	24
45.00	144	64.00	38	81.00	331	172.00	26
47.00	178	65.00	22	82.00	62	173.00	21
48.00	81	68.00	1416	87.00	469	174.00	9898
49.00	708	69.00	1407	88.00	387	175.00	729
50.00	3164	70.00	64	92.00	317	176.00	9776
51.00	905	72.00	18	93.00	542	177.00	705
52.00	33	73.00	511	94.00	1387		

Data File: /chem1/finn5.i/23JUL10.b/BFB07231.d

Date : 23-JUL-2010 16:48

Client ID: BFB0723

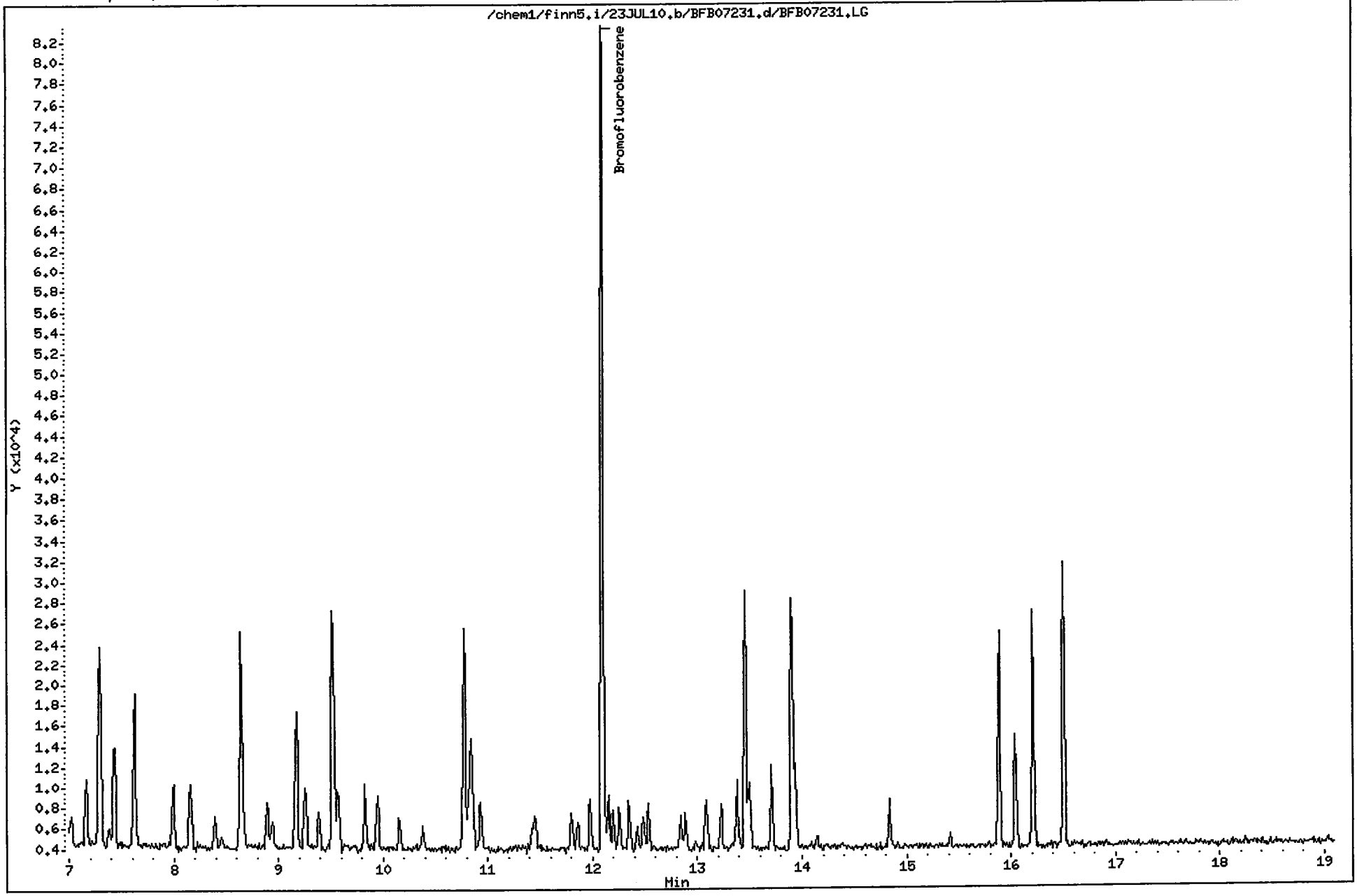
Sample Info: BFB0723,BFB0723,,1,23JUL10,,

Column phase: RTX502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18



Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Calibration File Names:
Level 1: /chem1/finn5.i/23JUL10.b/0010723.d
Level 2: /chem1/finn5.i/23JUL10.b/0020723.d
Level 3: /chem1/finn5.i/23JUL10.b/0050723.d
Level 4: /chem1/finn5.i/23JUL10.b/0100723.d
Level 5: /chem1/finn5.i/23JUL10.b/0500723.d
Level 6: /chem1/finn5.i/23JUL10.b/1000723.d
Level 7: /chem1/finn5.i/23JUL10.b/1500723.d
Level 8: /chem1/finn5.i/23JUL10.b/2000723.d

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
1 Dichlorodifluoromethane	0.61856	0.69160	0.65985	0.63344	0.67493	0.67442			
	0.63254	0.60144					0.64835	4.860	
2 Chloromethane	2.15529	1.96152	1.91728	2.00912	1.65244	1.56576			
	1.38789	1.30591					1.74440	17.810	
3 Vinyl Chloride	1.51916	1.45247	1.51314	1.59745	1.36296	1.35754			
	1.17136	1.06143					1.37944	13.295	
4 Bromomethane	0.93443	0.85086	0.77665	0.62524	0.81039	0.76904			
	0.64701	0.57949					0.74914	16.282	
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
5 Chloroethane	1.07062	1.09297	0.98777	0.87106	0.87644	0.77822			
	0.62883	+++++					0.90084	18.341	

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
6 Trichlorofluoromethane	1.47611	1.55864	1.50469	1.41033	1.42641	1.27999		
	1.04222	0.96730					1.33321	16.450
7 Acrolein	0.20463	0.19693	0.17700	0.16354	0.15712	0.14591		
	0.11901	+++++					0.16631	17.814
8 112Trichloro122Trifluoroethan	1.27446	1.18209	1.20394	1.12348	1.01422	0.97608		
	0.81784	0.75797					1.04376	17.834
9 Acetone	0.30796	0.31971	0.31370	0.30116	0.26843	0.24372		
	0.20402	+++++					0.27982	15.417
10 1,1-Dichloroethene	1.03591	1.01895	1.04143	1.03174	0.97906	0.93375		
	0.79718	0.73915					0.94715	12.366
11 Bromoethane	0.70730	0.74361	0.72880	0.75267	0.72730	0.72722		
	0.63319	0.59114					0.70140	8.233
12 Iodomethane	1.01087	1.06621	1.14259	1.14012	1.25306	1.25553		
	1.06567	1.02480					1.11986	8.526
13 Methylene Chloride	+++++	1.39659	1.18975	1.12760	0.93514	0.92898		
	0.82084	+++++					1.06648	19.864
14 Acrylonitrile	0.19594	0.24276	0.28315	0.28492	0.26101	0.25835		
	0.23046	0.21983					0.24705	12.529

Analytical Resources, Inc.

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Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	150.000 Level 7	200.000 Level 8	___ RRF	% RSD	
16 Methyl tert-Butyl Ether	1.39176	1.48204	1.61653	1.63134	1.52463	1.54183	1.31326	1.15084	1.45653	11.218	
15 Carbon Disulfide	3.37220	3.30955	3.39522	3.28180	3.17583	2.86693	2.18562	1.91323	2.93755	19.647	
17 Trans-1,2-Dichloroethene	0.81493	0.82496	0.80638	0.89481	0.79365	0.83461	0.76581	0.72223	0.80717	6.268	
18 Vinyl Acetate	1.37858	1.47513	1.52895	1.55974	1.56063	1.55351	1.19699	1.05617	1.41371	13.515	
19 1,1-Dichloroethane	1.59340	1.57720	1.61593	1.67405	1.53370	1.56119	1.25502	1.06889	1.48492	14.111	
179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
20 2-Butanone	0.32659	0.32955	0.34359	0.35332	0.32770	0.32306	0.26832	0.24668	0.31485	11.826	
21 2,2-Dichloropropane	0.88742	0.89660	0.93309	0.95140	0.91310	0.95603	0.87622	0.85519	0.90863	3.989	
22 Cis-1,2-Dichloroethene	0.70291	0.70218	0.71753	0.75872	0.69175	0.74171	0.68699	0.68958	0.71142	3.685	

Analytical Resources, Inc.

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Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	150.000 Level 7	200.000 Level 8	___ RRF	% RSD	
24 Chloroform	1.24898	1.29560	1.31578	1.31952	1.20276	1.23393	1.07329	0.95949	1.20617	10.579	
26 Bromochloromethane	0.30137	0.32304	0.36688	0.35714	0.33542	0.35133	0.33200	0.33497	0.33777	6.124	
27 1,1,1-Trichloroethane	0.97660	0.93458	0.97291	0.98520	0.93283	0.96160	0.87853	0.86280	0.93813	4.889	
182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
29 1,1-Dichloropropene	0.66975	0.69007	0.71193	0.76499	0.67325	0.69499	0.63130	0.59559	0.67899	7.511	
30 Carbon Tetrachloride	0.58124	0.62407	0.60370	0.63020	0.57050	0.59224	0.55109	0.57045	0.59044	4.670	
32 1,2-Dichloroethane	0.57115	0.62874	0.63301	0.67822	0.58611	0.59776	0.54427	0.52926	0.59607	8.280	
33 Benzene	1.75947	1.76841	1.80022	1.96537	1.65649	1.45472	1.08835	+++++	1.64186	17.603	
180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

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End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
35 Trichloroethene	0.43601	0.49962	0.50986	0.54002	0.46846	0.48511			
	0.44820	0.46107					0.48104	7.173	
36 1,2-Dichloropropane	0.52451	0.52147	0.54818	0.58228	0.50133	0.51755			
	0.47045	0.47472					0.51756	7.121	
38 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
37 Bromodichloromethane	0.52125	0.59258	0.58170	0.60376	0.54255	0.55496			
	0.51592	0.51411					0.55335	6.471	
39 Dibromomethane	0.25305	0.25915	0.25993	0.28772	0.24894	0.26038			
	0.23699	0.24918					0.25692	5.717	
40 2-Chloroethyl Vinyl Ether	+++++	0.14178	0.17329	0.18981	0.18519	0.19380			
	0.18677	0.19813					0.18125	10.524	
41 4-Methyl-2-Pentanone	0.14149	0.13693	0.13232	0.14268	0.13289	0.13206			
	0.12187	0.11715					0.13218	6.720	
42 Cis 1,3-dichloropropene	0.50313	0.56652	0.59990	0.66027	0.63768	0.67623			
	0.61950	0.56997					0.60415	9.387	
28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-

Analytical Resources, Inc.

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End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	150.000 Level 7	200.000 Level 8	___ RRF	% RSD
44 Toluene	1.25664	1.10456	1.02224	1.05184	0.92146	0.94617	0.78347	0.70675	0.97414	18.057
45 Trans 1,3-Dichloropropene	0.44640	0.47190	0.49114	0.54059	0.52142	0.55921	0.52387	0.50804	0.50782	7.254
46 2-Hexanone	0.48863	0.41802	0.40375	0.43814	0.38146	0.32234	+++++	+++++	0.40872	13.652
47 1,1,2-Trichloroethane	0.26879	0.29516	0.32288	0.33895	0.29564	0.30800	0.29114	0.30558	0.30327	6.989
48 1,3-Dichloropropane	0.68343	0.71401	0.71469	0.75583	0.67765	0.72373	0.67642	0.68404	0.70372	4.007
49 Tetrachloroethene	0.61667	0.52708	0.56488	0.56674	0.48964	0.54556	0.54309	0.59035	0.55550	6.995
50 Chlorodibromomethane	0.42693	0.43952	0.46540	0.50238	0.45273	0.49329	0.47878	0.52825	0.47341	7.173
51 1,2-Dibromoethane	0.30087	0.32786	0.33839	0.34926	0.32203	0.32796	0.30873	0.32362	0.32484	4.715
53 Chlorobenzene	1.44874	1.25551	1.21469	1.28463	1.09325	1.17322	0.98203	0.92990	1.17275	14.376

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	150.000 Level 7	200.000 Level 8						
55 1,1,1,2-Tetrachloroethane	0.48807	0.46350	0.43819	0.45358	0.38926	0.42774		
	0.43874	0.49165					0.44884	7.446
54 Ethyl Benzene	2.20280	2.17625	2.08813	2.26814	2.02082	1.78412		
	1.34210	+++++					1.98319	16.336
56 m,p-xylene	0.68572	0.70089	0.75629	0.82054	0.76759	0.80414		
	0.64714	0.61656					0.72486	10.182
57 o-Xylene	0.59735	0.67179	0.70053	0.77321	0.74982	0.84040		
	0.82834	0.86537					0.75335	12.283
58 Styrene	1.01338	1.04252	1.15090	1.32066	1.22803	1.34186		
	1.12721	1.09402					1.16482	10.471
59 Isopropyl Benzene	3.58090	3.46378	3.66983	4.08053	3.63628	3.05286		
	2.07611	+++++					3.36576	19.154
60 Bromoform	0.58786	0.56177	0.56335	0.58351	0.52086	0.53868		
	0.49959	0.47363					0.54116	7.521
61 1,1,2,2-Tetrachloroethane	1.19875	1.12388	1.03602	1.12613	0.91700	0.89056		
	0.77962	0.70704					0.97237	18.199
63 1,2,3-Trichloropropane	+++++	0.22594	0.22109	0.22654	0.18550	0.18274		
	0.16039	0.14626					0.19264	16.965

Analytical Resources, Inc.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	150.000 Level 7	200.000 Level 8	___ RRF	% RSD
65 Trans-1,4-Dichloro 2-Butene	+++++	0.32184	0.32576	0.34893	0.30143	0.29907	0.25759	0.23740	0.29886	13.135
66 N-Propyl Benzene	4.35587	4.36240	4.59339	5.13243	4.29164	3.33374	+++++	+++++	4.34491	13.450
67 Bromobenzene	0.97674	0.93719	0.97174	1.05787	0.91718	0.95651	0.87178	0.81723	0.93828	7.723
68 1,3,5-Trimethyl Benzene	2.66281	2.66686	2.91760	3.22571	2.99783	2.73312	1.92105	+++++	2.73214	15.058
69 2-Chloro Toluene	3.12291	2.80576	3.07335	3.37221	2.80971	2.82080	1.97970	+++++	2.85492	15.393
70 4-Chloro Toluene	2.62581	2.91088	2.87998	3.29757	2.95871	2.62567	1.85746	+++++	2.73658	16.426
71 T-Butyl Benzene	2.25508	2.38597	2.57296	2.86417	2.63858	2.56035	1.95835	1.46344	2.33736	19.065
72 1,2,4-Trimethylbenzene	2.43800	2.54502	2.85134	3.25960	2.94781	2.80039	1.98513	+++++	2.68961	15.258
73 S-Butyl Benzene	3.65072	3.68903	3.98398	4.45398	4.03139	3.26306	+++++	+++++	3.84536	10.568

Analytical Resources, Inc.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	150.000 Level 7	200.000 Level 8							
74 4-Isopropyl Toluene	2.22576	2.54160	2.82348	3.17997	2.94657	2.74678			
	2.00557	+++++					2.63853	15.583	
75 1,3-Dichlorobenzene	1.56180	1.53308	1.67395	1.91240	1.64575	1.80399			
	1.47885	1.21428					1.60301	13.256	
64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
77 1,4-Dichlorobenzene	1.65466	1.57267	1.70259	1.83867	1.59685	1.77492			
	1.48449	1.20781					1.60408	12.218	
178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++					+++++	+++++	<-
78 N-Butyl Benzene	2.81013	2.76549	3.04510	3.43035	3.10253	2.84626			
	1.94473	+++++					2.84923	16.127	
80 1,2-Dichlorobenzene	1.53737	1.60237	1.63752	1.74962	1.51750	1.58654			
	1.40066	1.15636					1.52349	11.753	
81 1,2-Dibromo 3-Chloropropane	0.15220	0.20921	0.18954	0.20055	0.17137	0.15806			
	0.13717	0.12795					0.16826	17.597	
82 1,2,4-Trichlorobenzene	0.96487	1.01671	0.97082	1.12640	0.86020	0.91319			
	0.82523	0.73938					0.92710	12.980	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 17:18
End Cal Date : 23-JUL-2010 20:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/finn5.i/23JUL10.b/s8260b.m
Cal Date : 26-Jul-2010 09:12 patrickb
Curve Type : Average

Compound	1.000 Level 1	2.000 Level 2	5.000 Level 3	10.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	150.000 Level 7	200.000 Level 8						
83 Hexachloro 1,3-Butadiene	0.58506	0.68805	0.68940	0.75107	0.58913	0.59714		
	0.55357	0.54187					0.62441	12.059
84 Naphthalene	1.71610	1.75595	1.74219	2.09362	1.61770	1.55845		
	1.28695	+++++					1.68157	14.468
85 1,2,3-Trichlorobenzene	0.96068	1.02012	0.96026	1.13604	0.80895	0.82225		
	0.73656	0.64602					0.88636	18.168
$ 25 Dibromofluoromethane	0.64899	0.62877	0.61356	0.58619	0.59870	0.58643		
	0.57172	0.53307					0.59593	5.995
$ 31 d4-1,2-Dichloroethane	0.71761	0.70471	0.68731	0.64625	0.64321	0.64102		
	0.61687	0.55964					0.65208	7.847
$ 43 d8-Toluene	1.12329	1.14949	1.12157	1.10618	1.11356	1.07971		
	1.04839	1.04692					1.09864	3.363
$ 62 4-Bromofluorobenzene	0.54956	0.55666	0.55779	0.55088	0.56658	0.59164		
	0.61336	0.69489					0.58517	8.478
$ 79 d4-1,2-Dichlorobenzene	0.92905	0.92027	0.92025	0.92575	0.92529	0.90255		
	0.87965	0.87290					0.90947	2.425

Report Date : 29-Jul-2010 14:28

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08
FILENAME:	2000723	1500723	1000723	0500723	0100723	0050723	0020723	0010723
INJ.DATE:	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010
INJ.TIME:	17:18	17:49	18:16	18:42	19:09	19:35	20:02	20:28

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Dichlorodifluoromethan	3.015	3.015	3.005	3.005	3.005	3.005	3.005	2.995	3.015	2.750-3.280	3.006	0.006
2 Chloromethane	3.316	3.316	3.306	3.306	3.306	3.296	3.306	3.296	3.316	3.051-3.581	3.306	0.008
3 Vinyl Chloride	3.417	3.417	3.417	3.417	3.407	3.417	3.427	3.417	3.417	3.152-3.682	3.417	0.005
4 Bromomethane	3.909	3.909	3.909	3.909	3.899	3.899	3.909	3.899	3.909	3.644-4.174	3.906	0.005
181 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	4.500	4.235-4.765	+++++	+++++
5 Chloroethane	3.980	3.980	3.980	3.980	3.970	3.970	3.980	3.970	3.980	3.715-4.245	3.976	0.005
6 Trichlorofluoromethane	4.241	4.241	4.241	4.241	4.231	4.231	4.241	4.231	4.241	3.976-4.506	4.237	0.005
7 Acrolein	4.633	4.633	4.633	4.623	4.623	4.623	4.623	4.623	4.633	4.368-4.898	4.627	0.005
8 112Trichloro122Trifluo	4.643	4.643	4.643	4.633	4.633	4.633	4.643	4.633	4.643	4.378-4.908	4.638	0.005
9 Acetone	4.693	4.683	4.683	4.673	4.673	4.673	4.673	4.673	4.693	4.428-4.958	4.678	0.008
10 1,1-Dichloroethene	4.844	4.844	4.834	4.834	4.834	4.834	4.834	4.834	4.844	4.579-5.109	4.837	0.005
11 Bromoethane	5.055	5.055	5.055	5.055	5.055	5.045	5.055	5.055	5.055	4.790-5.320	5.054	0.004
12 Iodomethane	5.156	5.156	5.156	5.156	5.146	5.146	5.156	5.146	5.156	4.891-5.421	5.152	0.005
13 Methylene Chloride	5.276	5.276	5.276	5.266	5.266	5.266	5.266	5.266	5.276	5.011-5.541	5.270	0.005
14 Acrylonitrile	5.367	5.357	5.357	5.357	5.357	5.347	5.347	5.347	5.367	5.102-5.632	5.354	0.007
16 Methyl tert-Butyl Ethe	5.407	5.397	5.397	5.397	5.397	5.387	5.397	5.387	5.407	5.142-5.672	5.396	0.006
15 Carbon Disulfide	5.377	5.377	5.377	5.377	5.367	5.367	5.377	5.367	5.377	5.112-5.642	5.373	0.005

Reviewer 1 _____ Date: 7/29/10
Reviewer 2 _____ Date: _____

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
17 Trans-1,2-Dichloroethe	5.558	5.558	5.558	5.558	5.548	5.548	5.558	5.548	5.558	5.293-5.822	5.554	0.005
18 Vinyl Acetate	5.879	5.879	5.879	5.879	5.869	5.869	5.879	5.869	5.879	5.614-6.144	5.875	0.005
19 1,1-Dichloroethane	5.940	5.940	5.940	5.940	5.929	5.929	5.929	5.929	5.940	5.675-6.204	5.935	0.005
179 Hexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.990	5.725-6.255	+++++	+++++
20 2-Butanone	6.291	6.281	6.281	6.281	6.281	6.271	6.281	6.271	6.291	6.026-6.556	6.280	0.006
21 2,2-Dichloropropane	6.462	6.462	6.462	6.452	6.452	6.452	6.452	6.442	6.462	6.197-6.727	6.455	0.007
22 Cis-1,2-Dichloroethene	6.502	6.502	6.492	6.492	6.492	6.492	6.492	6.482	6.502	6.237-6.767	6.494	0.006
* 23 Pentafluorobenzene	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.613	6.623	6.358-6.888	6.622	0.004
24 Chloroform	6.643	6.643	6.643	6.643	6.633	6.633	6.643	6.633	6.643	6.378-6.908	6.639	0.005
26 Bromochloromethane	6.814	6.814	6.804	6.804	6.804	6.804	6.804	6.794	6.814	6.549-7.079	6.805	0.006
$ 25 Dibromofluoromethane	6.844	6.844	6.844	6.844	6.834	6.834	6.834	6.834	6.844	6.579-7.109	6.839	0.005
27 1,1,1-Trichloroethane	7.035	7.035	7.035	7.025	7.025	7.025	7.025	7.015	7.035	6.770-7.300	7.027	0.007
182 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.030	7.765-8.295	+++++	+++++
29 1,1-Dichloropropene	7.176	7.176	7.176	7.176	7.166	7.166	7.176	7.166	7.176	6.870-7.481	7.172	0.005
$ 31 d4-1,2-Dichloroethane	7.306	7.306	7.306	7.306	7.296	7.296	7.306	7.296	7.306	7.041-7.571	7.303	0.005
30 Carbon Tetrachloride	7.296	7.296	7.286	7.286	7.286	7.286	7.286	7.286	7.296	6.991-7.602	7.289	0.005
32 1,2-Dichloroethane	7.397	7.397	7.397	7.387	7.387	7.387	7.387	7.387	7.397	7.091-7.702	7.391	0.005
33 Benzene	7.447	7.447	7.447	7.437	7.437	7.437	7.437	7.427	7.447	7.141-7.752	7.439	0.007
180 Isooctane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.687	6.422-6.952	+++++	+++++
* 34 1,4-Difluorobenzene	7.638	7.638	7.638	7.628	7.628	7.628	7.628	7.628	7.638	7.332-7.944	7.632	0.005
35 Trichloroethene	8.010	8.010	8.010	8.000	8.000	8.000	8.010	8.000	8.010	7.704-8.315	8.005	0.005
36 1,2-Dichloropropane	8.171	8.171	8.171	8.171	8.161	8.161	8.161	8.161	8.171	7.865-8.476	8.166	0.005

8260_S8260

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
38 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	8.887	8.622-9.152	+++++	+++++
37 Bromodichloromethane	8.412	8.402	8.402	8.402	8.402	8.392	8.402	8.392	8.412	8.106-8.717	8.401	0.006
39 Dibromomethane	8.472	8.472	8.472	8.472	8.472	8.462	8.472	8.462	8.472	8.167-8.778	8.470	0.005
40 2-Chloroethyl Vinyl Et	8.623	8.623	8.623	8.613	8.613	8.613	8.613	8.613	8.623	8.317-8.928	8.617	0.005
41 4-Methyl-2-Pentanone	8.663	8.653	8.653	8.653	8.653	8.643	8.653	8.643	8.663	8.357-8.969	8.652	0.006
42 Cis 1,3-dichloropropen	8.914	8.914	8.904	8.904	8.904	8.904	8.904	8.894	8.914	8.609-9.220	8.906	0.006
28 Cyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	7.337	7.072-7.602	+++++	+++++
$ 43 d8-Toluene	9.186	9.186	9.186	9.186	9.176	9.176	9.186	9.176	9.186	8.880-9.491	9.182	0.005
44 Toluene	9.276	9.266	9.266	9.266	9.266	9.256	9.266	9.256	9.276	8.971-9.582	9.265	0.006
45 Trans 1,3-Dichloroprop	9.407	9.397	9.397	9.397	9.397	9.387	9.397	9.387	9.407	9.101-9.712	9.395	0.006
46 2-Hexanone	9.537	9.537	9.527	9.527	9.527	9.527	9.527	9.527	9.537	9.106-9.969	9.530	0.005
47 1,1,2-Trichloroethane	9.588	9.578	9.578	9.578	9.578	9.578	9.578	9.568	9.588	9.282-9.893	9.578	0.005
48 1,3-Dichloropropane	9.839	9.839	9.839	9.839	9.829	9.829	9.839	9.829	9.839	9.407-10.270	9.835	0.005
49 Tetrachloroethene	9.960	9.960	9.960	9.960	9.949	9.949	9.960	9.949	9.960	9.528-10.391	9.956	0.005
50 Chlorodibromomethane	10.171	10.171	10.161	10.161	10.161	10.161	10.161	10.161	10.171	9.739-10.602	10.163	0.005
51 1,2-Dibromoethane	10.392	10.392	10.392	10.392	10.382	10.382	10.382	10.382	10.392	10.086-10.697	10.387	0.005
* 52 d5-Chlorobenzene	10.794	10.784	10.784	10.784	10.784	10.784	10.784	10.774	10.794	10.362-11.225	10.784	0.005
53 Chlorobenzene	10.834	10.834	10.824	10.824	10.824	10.824	10.824	10.814	10.834	10.402-11.266	10.825	0.006
55 1,1,1,2-Tetrachloroeth	10.864	10.854	10.854	10.854	10.844	10.844	10.854	10.844	10.864	10.432-11.296	10.851	0.007
54 Ethyl Benzene	10.864	10.864	10.864	10.854	10.854	10.854	10.854	10.854	10.864	10.432-11.296	10.858	0.005
56 m,p-xylene	10.944	10.944	10.944	10.934	10.934	10.934	10.934	10.934	10.944	10.512-11.376	10.938	0.005
57 o-Xylene	11.437	11.437	11.427	11.427	11.427	11.427	11.427	11.417	11.437	11.005-11.869	11.428	0.006
58 Styrene	11.467	11.467	11.457	11.457	11.457	11.457	11.457	11.447	11.467	11.035-11.899	11.458	0.006
59 Isopropyl Benzene	11.819	11.809	11.809	11.809	11.809	11.799	11.809	11.799	11.819	11.280-12.357	11.807	0.006

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	60 Bromoform	11.879	11.869	11.869	11.869	11.869	11.859	11.869	11.859	11.879	11.340-12.418	11.868	0.006
	61 1,1,2,2-Tetrachloroeth	11.990	11.990	11.990	11.990	11.980	11.980	11.990	11.980	11.990	11.451-12.528	11.986	0.005
$	62 4-Bromofluorobenzene	12.110	12.110	12.110	12.100	12.100	12.100	12.100	12.100	12.110	11.678-12.542	12.104	0.005
	63 1,2,3-Trichloropropane	12.160	12.160	12.160	12.150	12.150	12.150	12.150	12.150	12.160	11.622-12.699	12.154	0.005
	65 Trans-1,4-Dichloro 2-B	12.211	12.211	12.211	12.211	12.201	12.201	12.201	12.191	12.211	11.672-12.749	12.204	0.007
	66 N-Propyl Benzene	12.271	12.271	12.261	12.261	12.261	12.261	12.261	12.251	12.271	11.732-12.810	12.262	0.006
	67 Bromobenzene	12.361	12.351	12.351	12.351	12.351	12.341	12.351	12.341	12.361	11.823-12.900	12.350	0.006
	68 1,3,5-Trimethyl Benzen	12.442	12.442	12.432	12.432	12.432	12.432	12.432	12.422	12.442	11.903-12.980	12.433	0.006
	69 2-Chloro Toluene	12.502	12.502	12.492	12.492	12.492	12.492	12.492	12.482	12.502	11.963-13.041	12.493	0.006
	70 4-Chloro Toluene	12.552	12.542	12.542	12.532	12.532	12.532	12.532	12.532	12.552	12.014-13.091	12.537	0.008
	71 T-Butyl Benzene	12.854	12.854	12.844	12.844	12.844	12.844	12.844	12.834	12.854	12.315-13.392	12.845	0.006
	72 1,2,4-Trimethylbenzene	12.904	12.894	12.894	12.894	12.894	12.884	12.894	12.884	12.904	12.365-13.443	12.893	0.006
	73 S-Butyl Benzene	13.095	13.095	13.095	13.095	13.085	13.085	13.085	13.085	13.095	12.556-13.634	13.090	0.005
	74 4-Isopropyl Toluene	13.246	13.246	13.236	13.236	13.236	13.236	13.236	13.226	13.246	12.707-13.784	13.237	0.006
	75 1,3-Dichlorobenzene	13.397	13.387	13.387	13.387	13.387	13.377	13.387	13.377	13.397	12.858-13.935	13.385	0.006
	64 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.768	13.336-14.200	+++++	+++++
*	76 d4-1,4-Dichlorobenzene	13.467	13.467	13.467	13.467	13.457	13.457	13.467	13.457	13.467	12.928-14.006	13.463	0.005
	77 1,4-Dichlorobenzene	13.507	13.507	13.507	13.497	13.497	13.497	13.497	13.497	13.507	12.968-14.046	13.501	0.005
	178 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.100	13.561-14.639	+++++	+++++
	78 N-Butyl Benzene	13.728	13.718	13.718	13.718	13.708	13.708	13.718	13.708	13.728	13.190-14.267	13.716	0.007
$	79 d4-1,2-Dichlorobenzene	13.919	13.909	13.909	13.909	13.909	13.909	13.909	13.899	13.919	13.380-14.458	13.909	0.005
	80 1,2-Dichlorobenzene	13.949	13.949	13.949	13.939	13.939	13.939	13.939	13.929	13.949	13.411-14.488	13.942	0.007
	81 1,2-Dibromo 3-Chloropr	14.854	14.854	14.844	14.844	14.844	14.844	14.844	14.834	14.854	14.315-15.393	14.845	0.006

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Batch File: /chem1/finn5.i/23JUL10.b
Inst ID: finn5.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
82 1,2,4-Trichlorobenzene	15.899	15.899	15.899	15.889	15.889	15.889	15.889	15.889	15.899	15.360-16.438	15.893	0.005
83 Hexachloro 1,3-Butadie	16.050	16.050	16.050	16.050	16.040	16.040	16.040	16.040	16.050	15.511-16.588	16.045	0.005
84 Naphthalene	16.231	16.221	16.221	16.221	16.221	16.211	16.221	16.211	16.231	15.692-16.769	16.219	0.006
85 1,2,3-Trichlorobenzene	16.512	16.512	16.512	16.512	16.502	16.502	16.502	16.492	16.512	15.973-17.051	16.506	0.007

RC60:8260

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0010723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD001
Inj Date : 23-JUL-2010 20:28
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 20:28 Cal File: 0010723.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	2.995	2.995	(0.453)	1408	1.00000	0.9540
2 Chloromethane	50	3.296	3.296	(0.498)	4906	1.00000	1.236
3 Vinyl Chloride	62	3.417	3.417	(0.517)	3458	1.00000	1.101
4 Bromomethane	94	3.899	3.899	(0.590)	2127	1.00000	1.247
5 Chloroethane	64	3.970	3.970	(0.600)	2437	1.00000	1.188
6 Trichlorofluoromethane	101	4.231	4.231	(0.640)	3360	1.00000	1.107
7 Acrolein	56	4.623	4.623	(0.699)	2329	5.00000	6.152
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.701)	2901	1.00000	1.221
9 Acetone	43	4.673	4.673	(0.707)	3505	5.00000	5.503(M)
10 1,1-Dichloroethene	96	4.834	4.834	(0.731)	2358	1.00000	1.094
11 Bromoethane	108	5.055	5.055	(0.764)	1610	1.00000	1.008
12 Iodomethane	142	5.146	5.146	(0.778)	2301	1.00000	0.9027
13 Methylene Chloride	84	5.266	5.266	(0.796)	3788	1.00000	1.560
14 Acrylonitrile	53	5.347	5.347	(0.808)	446	1.00000	0.7931(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.387	5.387	(0.815)	3168	1.00000	0.9555(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.812)	7676	1.00000	1.148(Q)
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.839)	1855	1.00000	1.010
	18 Vinyl Acetate	43	5.869	5.869	(0.888)	3138	1.00000	0.9751
	19 1,1-Dichloroethane	63	5.929	5.929	(0.897)	3627	1.00000	1.073
	20 2-Butanone	43	6.271	6.271	(0.948)	3717	5.00000	5.186(T)
	21 2,2-Dichloropropane	77	6.442	6.442	(0.974)	2020	1.00000	0.9766
	22 Cis-1,2-Dichloroethene	96	6.482	6.482	(0.980)	1600	1.00000	0.9880
*	23 Pentafluorobenzene	168	6.613	6.613	(1.000)	113813	50.0000	
	24 Chloroform	83	6.633	6.633	(1.003)	2843	1.00000	1.035(Q)
	26 Bromochloromethane	128	6.794	6.794	(1.027)	686	1.00000	0.8922(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.033)	73863	50.0000	54.452(Q)
	27 1,1,1-Trichloroethane	97	7.015	7.015	(1.061)	2223	1.00000	1.041(M)
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	2255	1.00000	0.9864
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	1957	1.00000	0.9844
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.103)	81673	50.0000	55.025
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	1923	1.00000	0.9582
	33 Benzene	78	7.427	7.427	(0.974)	5924	1.00000	1.072
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	168346	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	1468	1.00000	0.9064
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	1766	1.00000	1.013
	37 Bromodichloromethane	83	8.392	8.392	(1.100)	1755	1.00000	0.9420
	39 Dibromomethane	93	8.462	8.462	(1.109)	852	1.00000	0.9849
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	404	1.00000	0.6620(Q)
	41 4-Methyl-2-Pentanone	58	8.643	8.643	(1.133)	2382	5.00000	5.352(Q)
	42 Cis 1,3-dichloropropene	75	8.894	8.894	(1.166)	1694	1.00000	0.8328
$	43 d8-Toluene	98	9.176	9.176	(1.203)	189101	50.0000	51.122
	44 Toluene	92	9.256	9.256	(1.213)	4231	1.00000	1.290
	45 Trans 1,3-Dichloropropene	75	9.387	9.387	(1.231)	1503	1.00000	0.8790(Q)
	46 2-Hexanone	43	9.527	9.527	(0.884)	6953	5.00000	5.978(M)
	47 1,1,2-Trichloroethane	97	9.568	9.568	(1.254)	905	1.00000	0.8863
	48 1,3-Dichloropropane	76	9.829	9.829	(0.912)	1945	1.00000	0.9712
	49 Tetrachloroethene	166	9.949	9.949	(0.924)	1755	1.00000	1.110
	50 Chlorodibromomethane	129	10.161	10.161	(0.943)	1215	1.00000	0.9018
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	1013	1.00000	0.9262(T)
*	52 d5-Chlorobenzene	117	10.774	10.774	(1.000)	142296	50.0000	
	53 Chlorobenzene	112	10.814	10.814	(1.004)	4123	1.00000	1.235
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	6269	1.00000	1.111
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.007)	1389	1.00000	1.087
	56 m,p-xylene	106	10.934	10.934	(1.015)	3903	2.00000	1.892(Q)
	57 o-Xylene	106	11.417	11.417	(1.060)	1700	1.00000	0.7929(Q)
	58 Styrene	104	11.447	11.447	(1.062)	2884	1.00000	0.8700
	59 Isopropyl Benzene	105	11.799	11.799	(0.877)	5129	1.00000	1.064
	60 Bromoform	173	11.859	11.859	(0.881)	842	1.00000	1.086
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	1717	1.00000	1.233(M)
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.123)	78200	50.0000	46.957
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	282	1.00000	1.022(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.191	12.191	(0.906)	407	1.00000	0.9508 (QM)
	66 N-Propyl Benzene	91	12.251	12.251	(0.910)	6239	1.00000	1.002
	67 Bromobenzene	156	12.341	12.341	(0.917)	1399	1.00000	1.041
	68 1,3,5-Trimethyl Benzene	105	12.422	12.422	(0.923)	3814	1.00000	0.9746
	69 2-Chloro Toluene	91	12.482	12.482	(0.928)	4473	1.00000	1.094
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	3761	1.00000	0.9595
	71 T-Butyl Benzene	119	12.834	12.834	(0.954)	3230	1.00000	0.9648
	72 1,2,4-Trimethylbenzene	105	12.884	12.884	(0.957)	3492	1.00000	0.9064
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	5229	1.00000	0.9494
	74 4-Isopropyl Toluene	119	13.226	13.226	(0.983)	3188	1.00000	0.8436
	75 1,3-Dichlorobenzene	146	13.377	13.377	(0.994)	2237	1.00000	0.9743
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	71616	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	2370	1.00000	1.032 (Q)
	78 N-Butyl Benzene	91	13.708	13.708	(1.019)	4025	1.00000	0.9863
$	79 d4-1,2-Dichlorobenzene	152	13.899	13.899	(1.033)	66535	50.0000	51.077
	80 1,2-Dichlorobenzene	146	13.929	13.929	(1.035)	2202	1.00000	1.009
	81 1,2-Dibromo 3-Chloropropane	75	14.834	14.834	(1.102)	218	1.00000	0.9046 (Q)
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	1382	1.00000	1.041
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	838	1.00000	0.9370
	84 Naphthalene	128	16.211	16.211	(1.205)	2458	1.00000	1.020
	85 1,2,3-Trichlorobenzene	180	16.492	16.492	(1.226)	1376	1.00000	1.084

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0010723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD001
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	113813	-13.20
34 1,4-Difluorobenze	191559	95780	383118	168346	-12.12
52 d5-Chlorobenzene	161199	80600	322398	142296	-11.73
76 d4-1,4-Dichlorobe	88279	44140	176558	71616	-18.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.61	-0.15
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.77	-0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

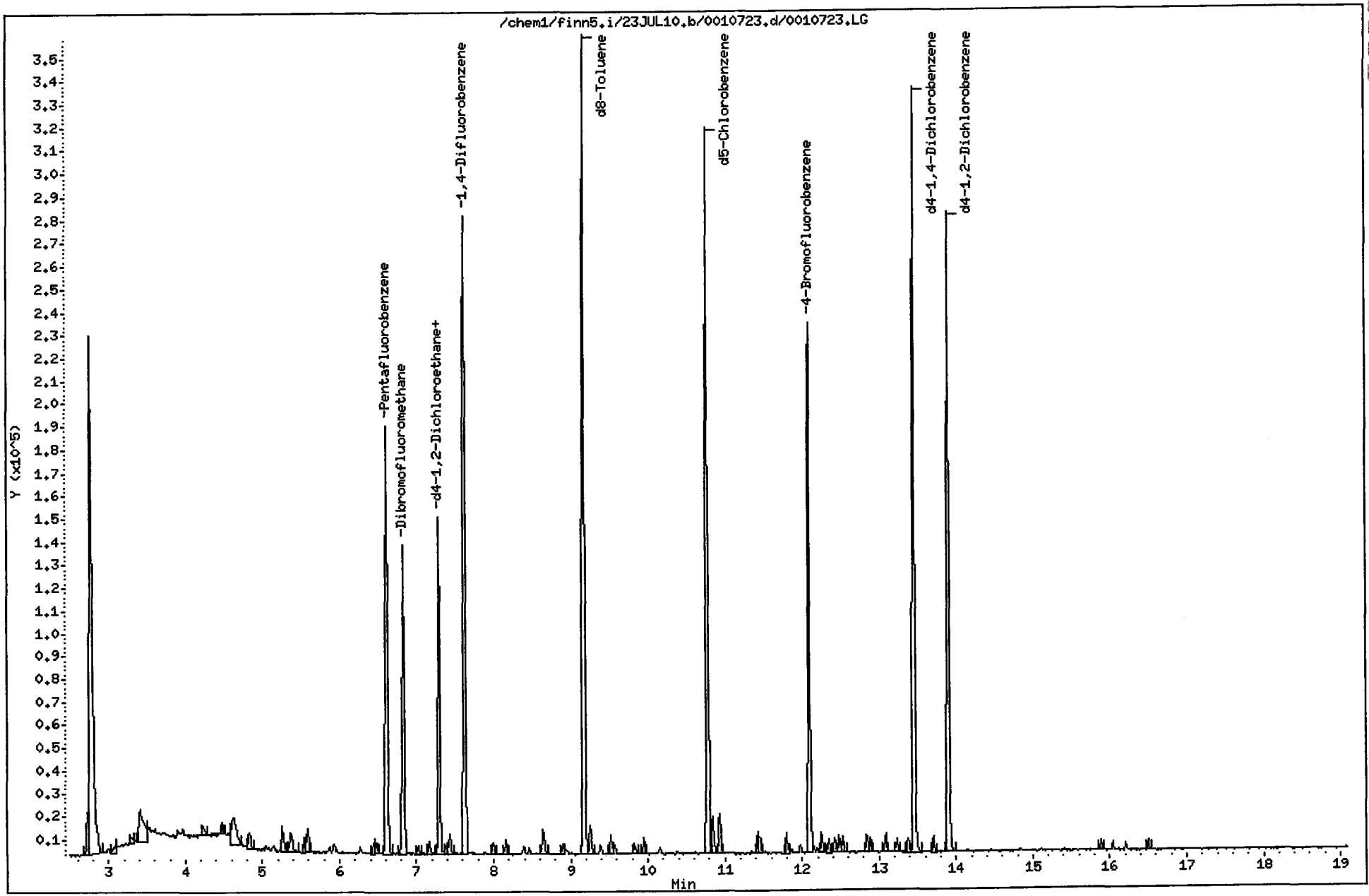
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0010723.d
Date : 23-JUL-2010 20:28
Client ID: VSTD001
Sample Info: IC0723,5,5,0

Instrument: finn5.i

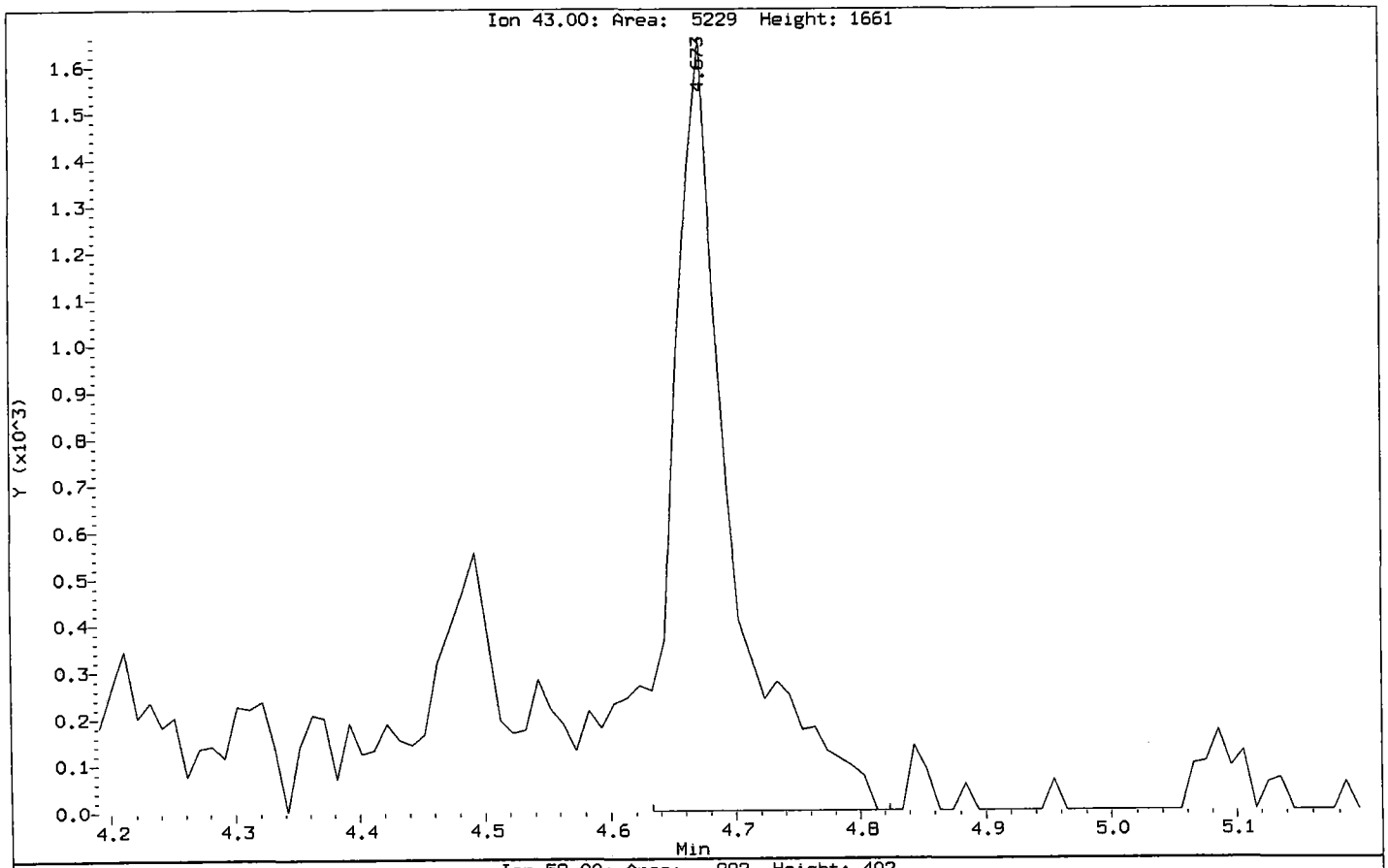
Operator: PB
Column diameter: 0.18

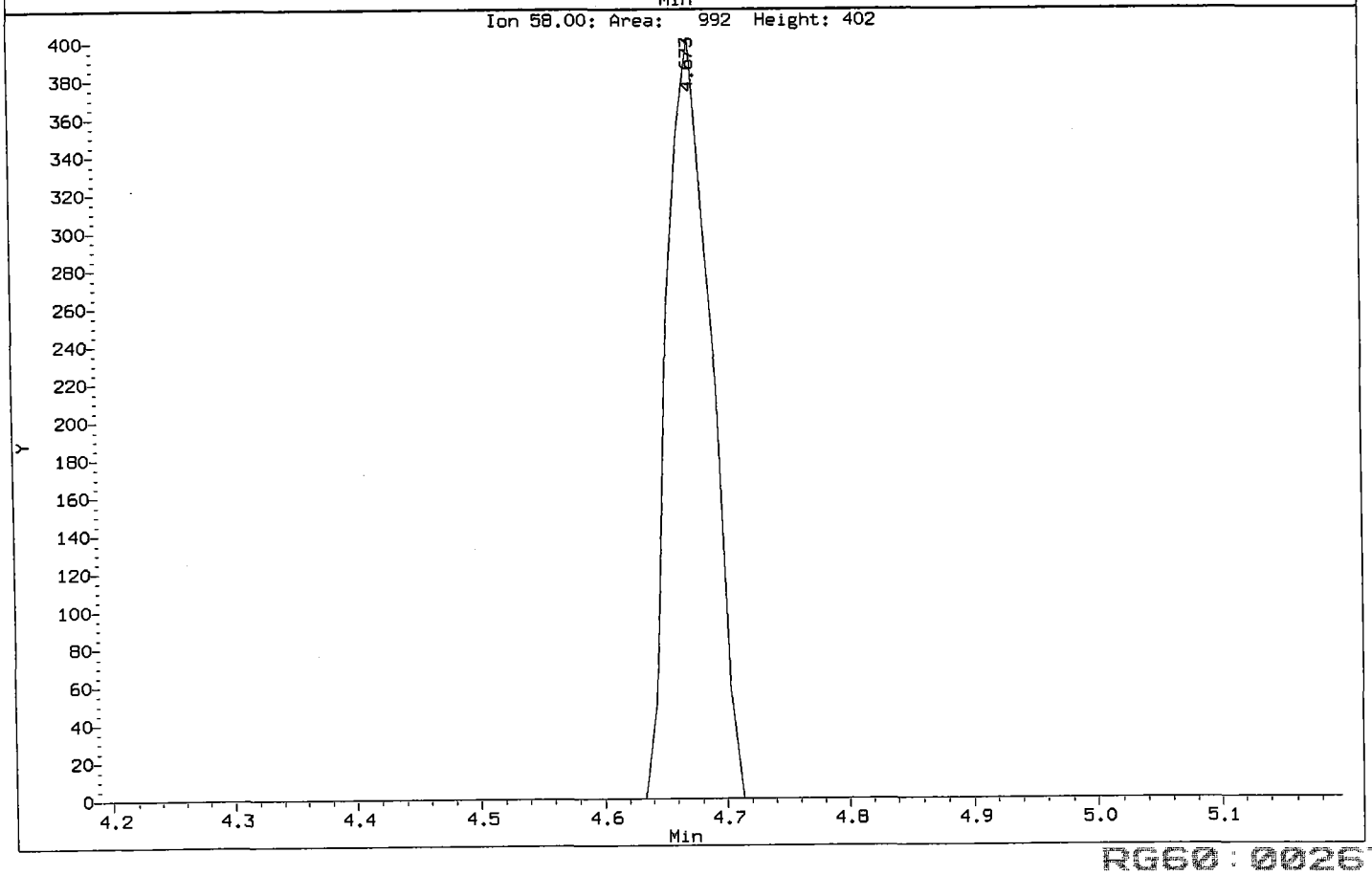
Column phase: Rtx502.2



Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

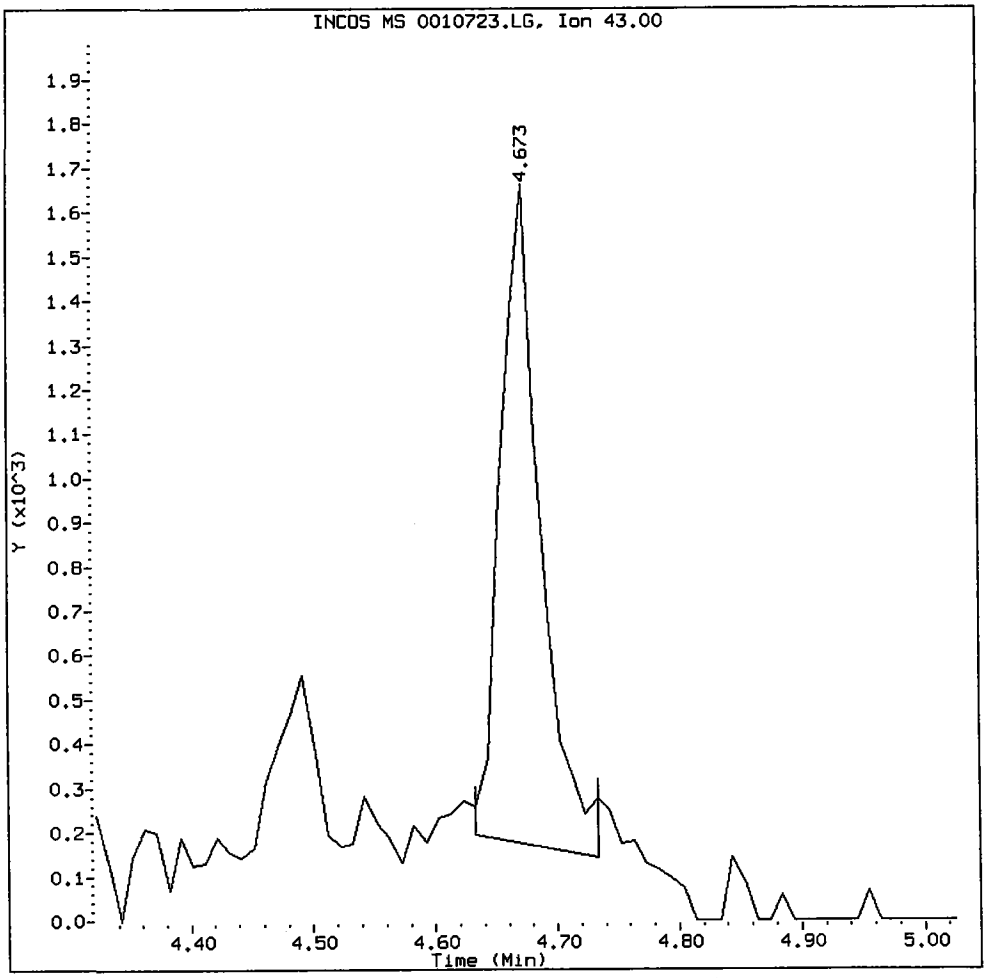
Compound: Acetone
CAS Number:





IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

Acetone Amount: 5.50 Area: 3505



MANUAL INTEGRATION for Acetone

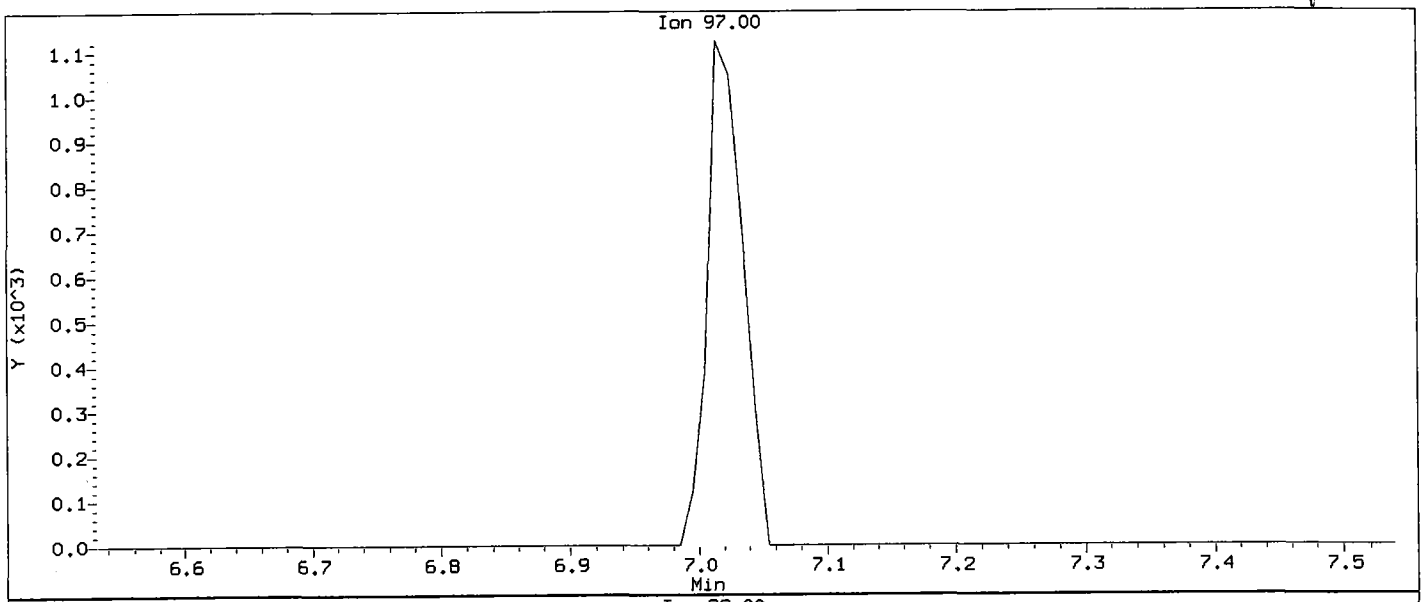
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

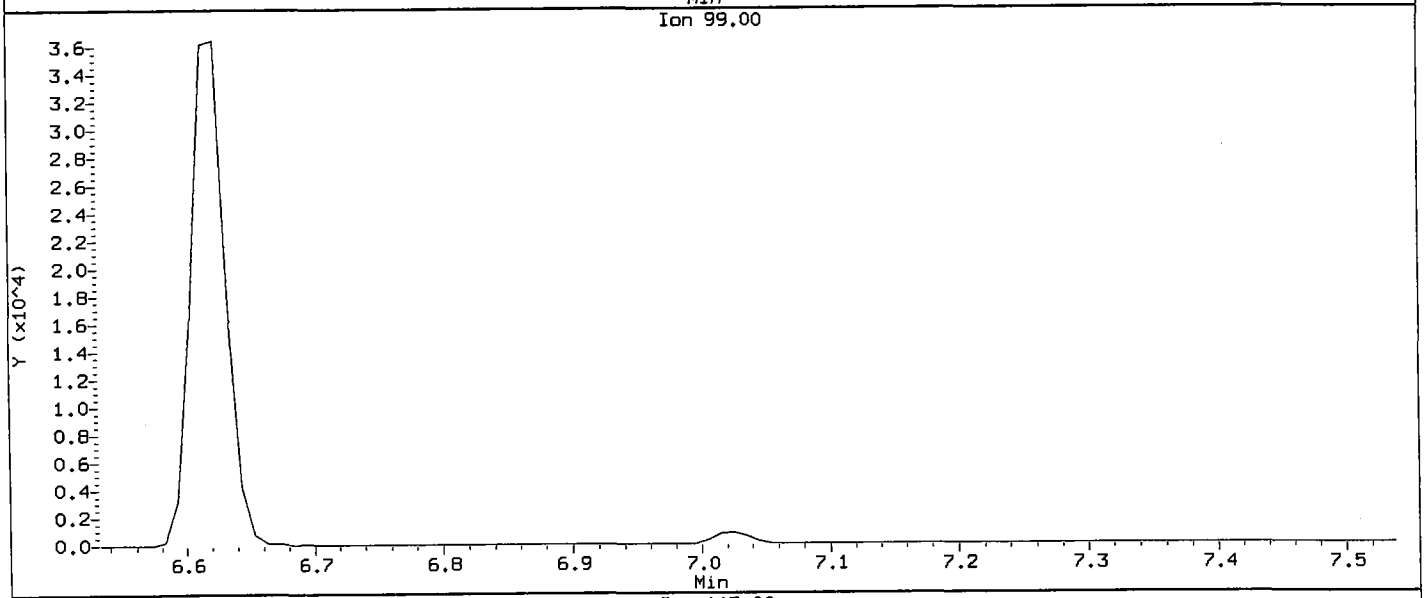
5. Other _____

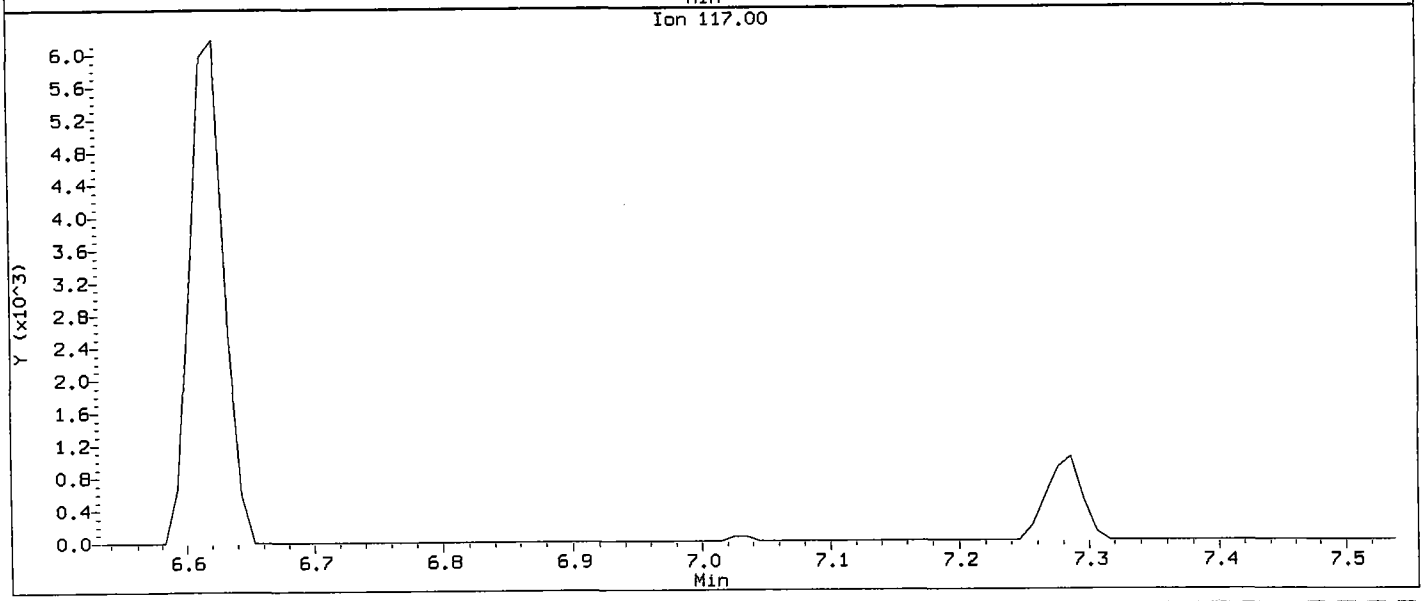
Analyst: _____ Date: 7/26/10

Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 1,1,1-Trichloroethane
CAS Number:

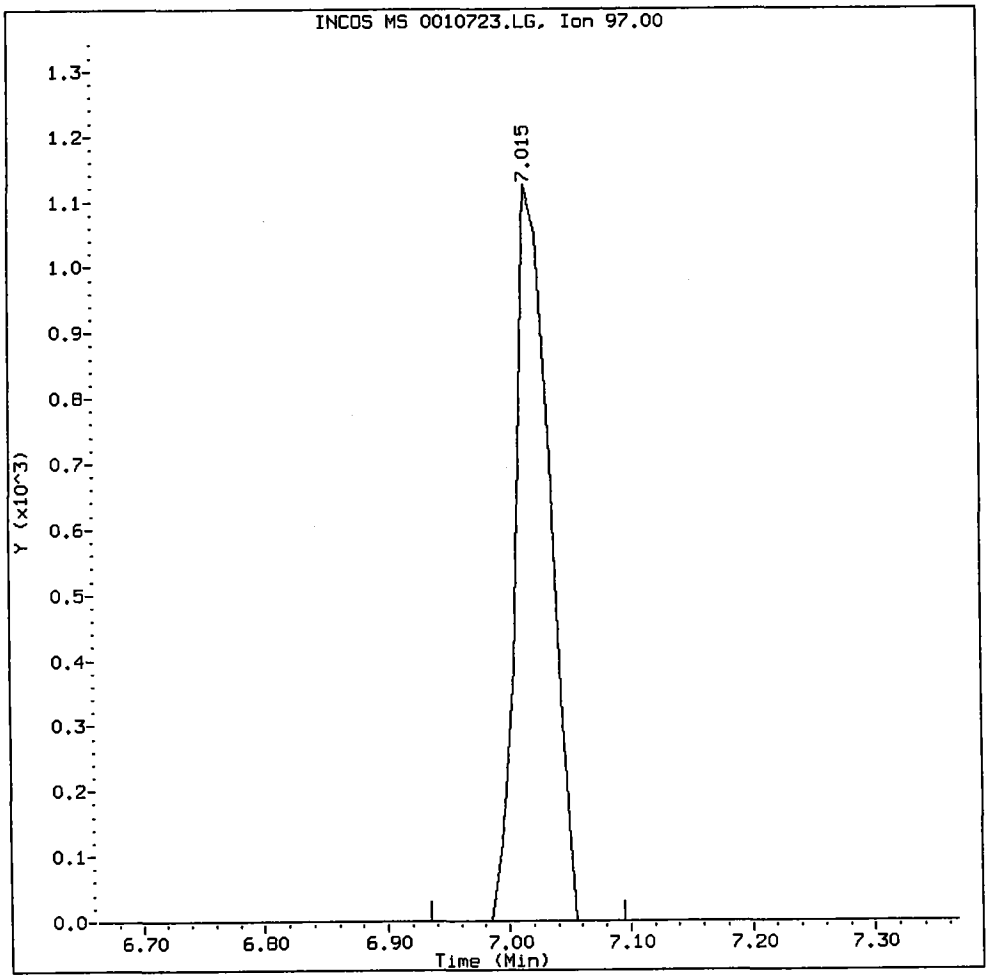






IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,1,1-Trichloroethane Amount: 1.04 Area: 2223



MANUAL INTEGRATION for 1,1,1-Trichloroethane

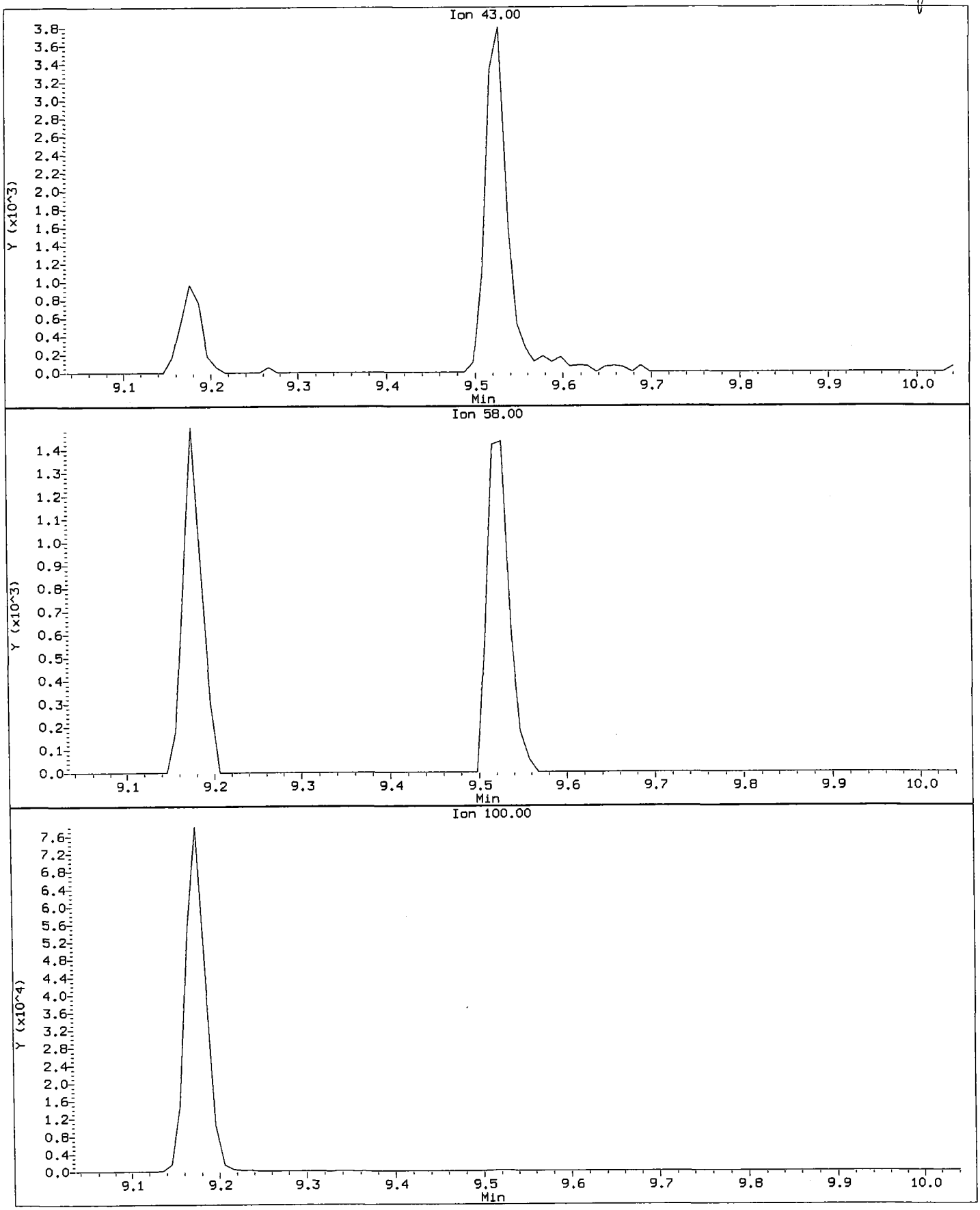
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/12/10

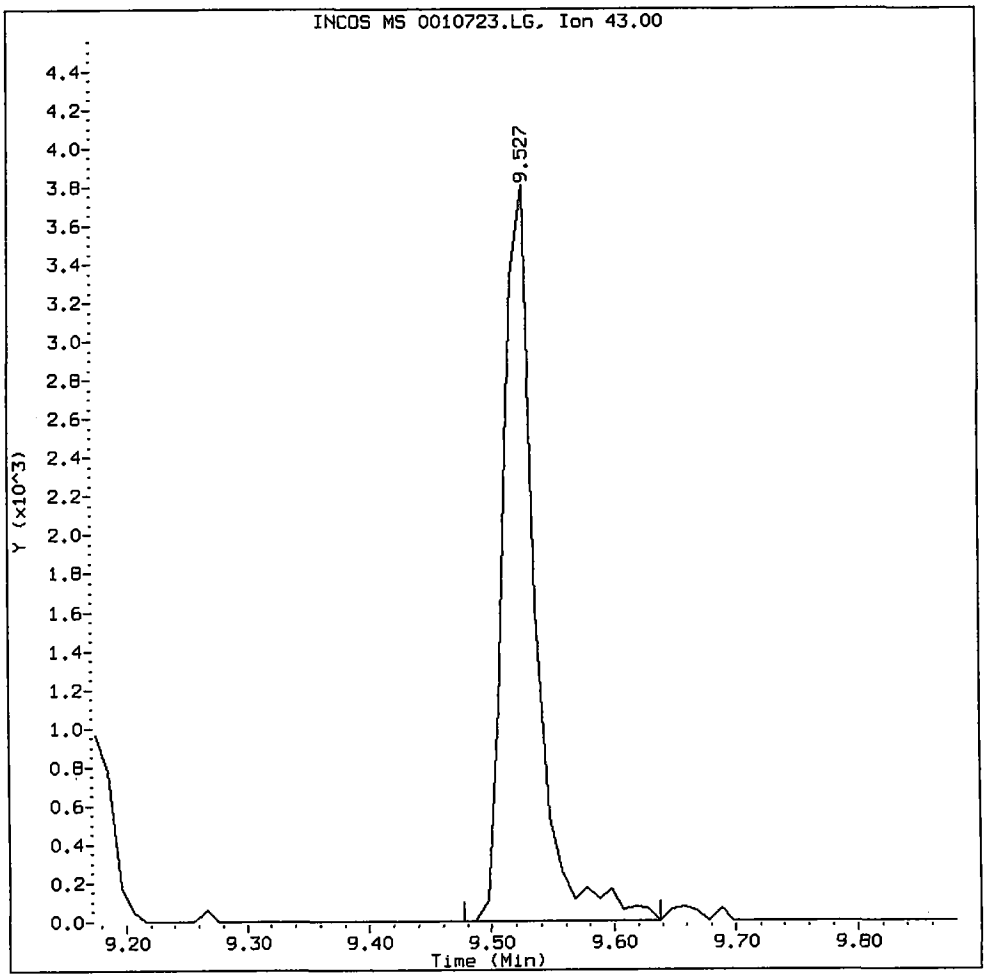
Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 2-Hexanone
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

2-Hexanone Amount: 5.98 Area: 6953



MANUAL INTEGRATION for 2-Hexanone

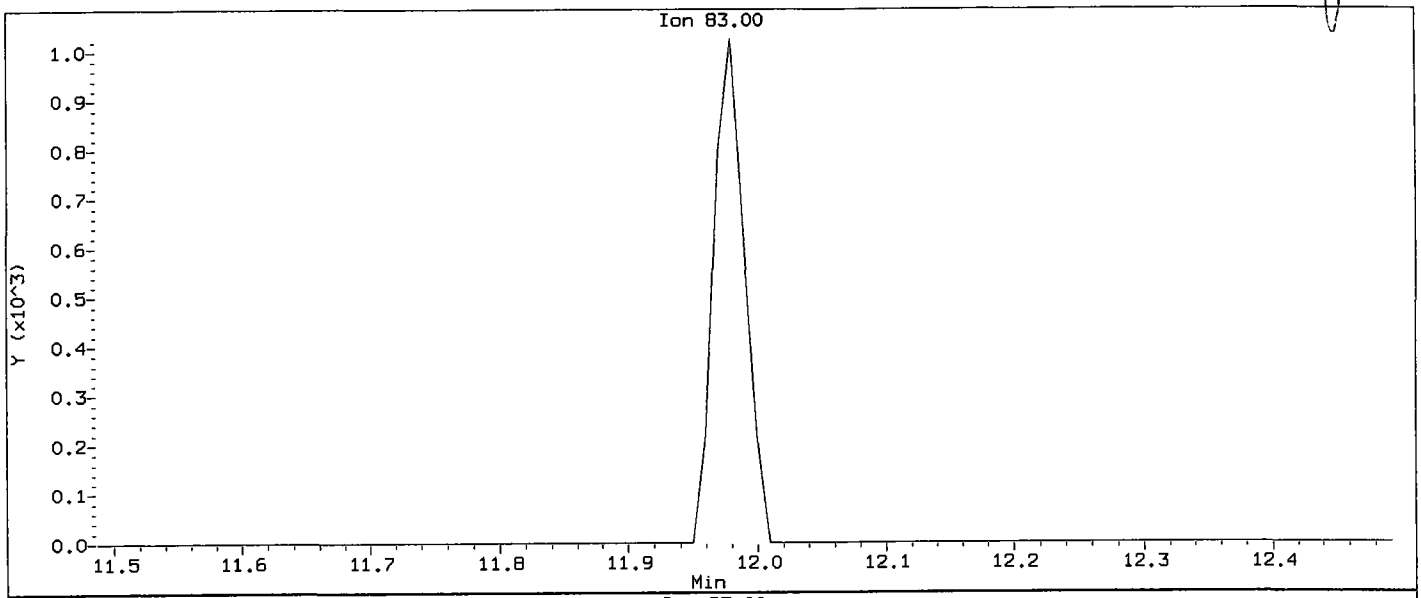
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

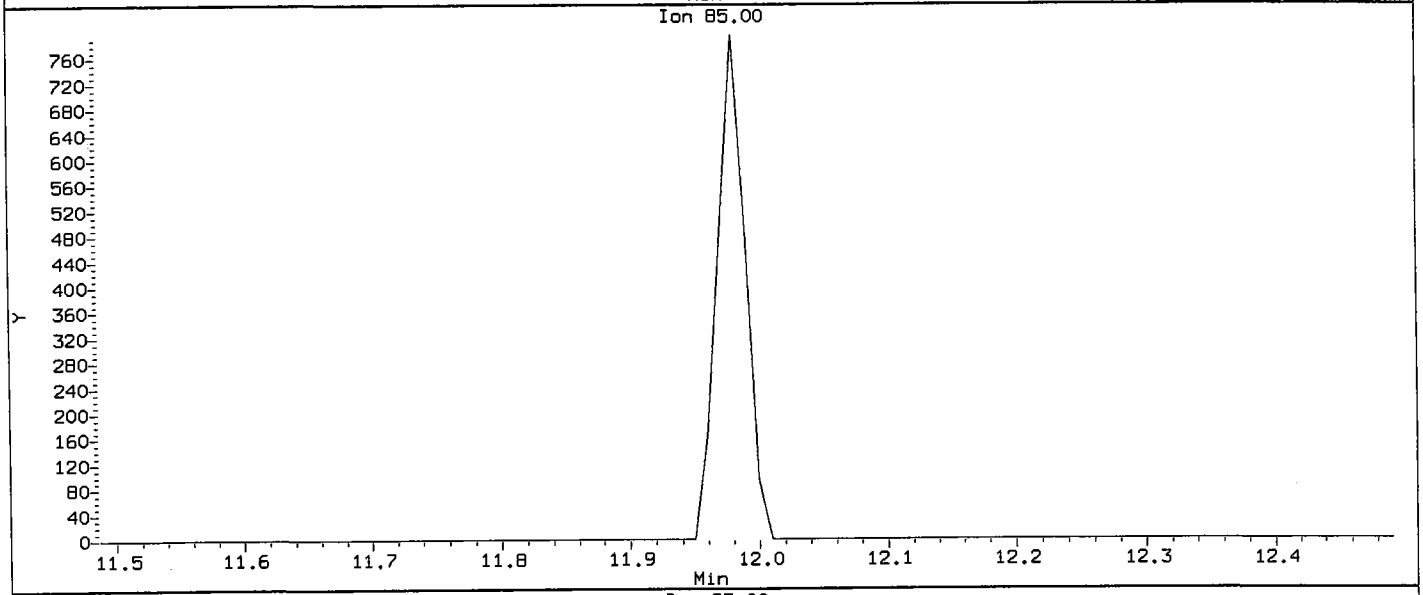
5. Other _____

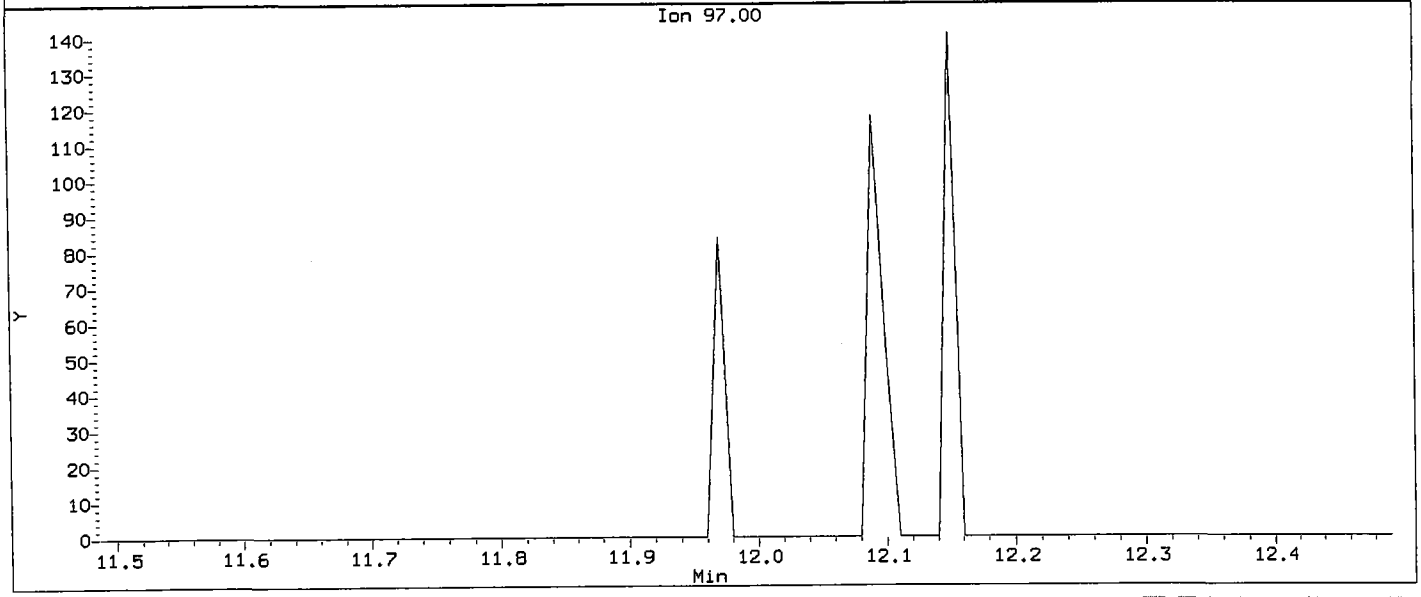
Analyst: _____ Date: 7/28/10

Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

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



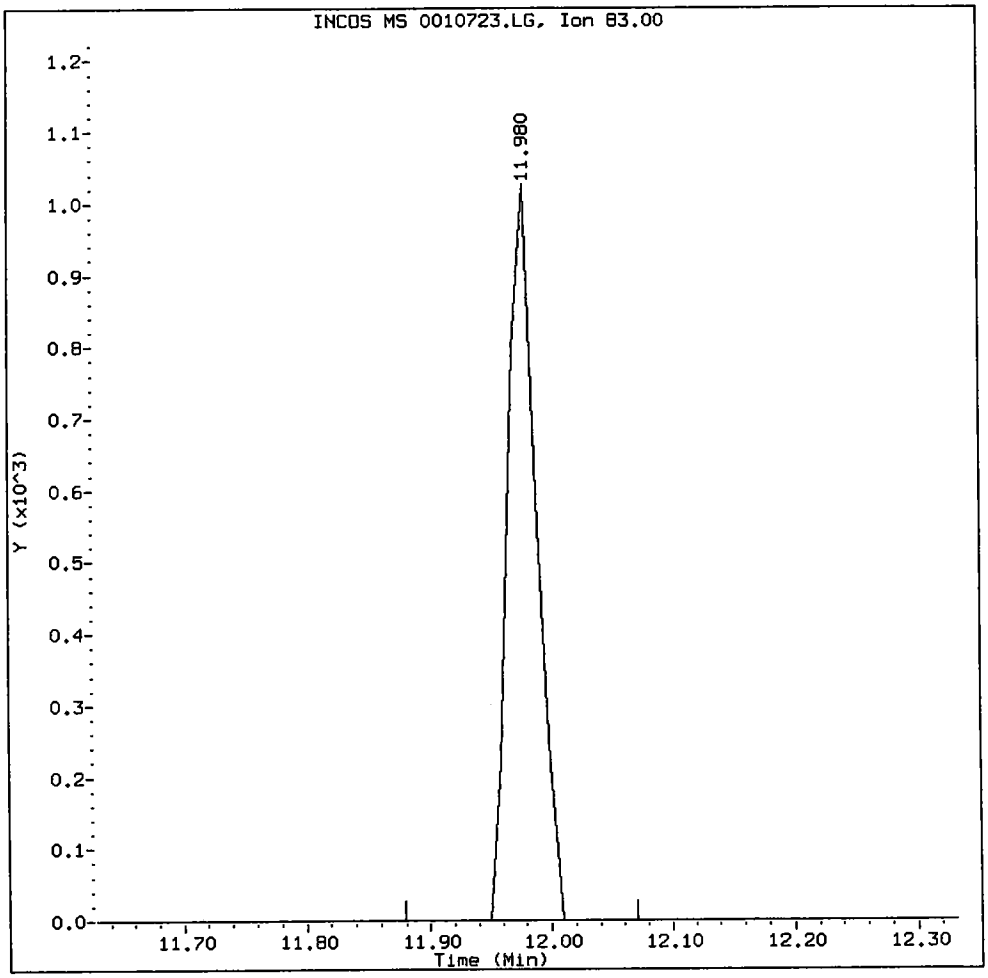




RG60:00273

IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,1,2,2-Tetrachloroethane Amount: 1.23 Area: 1717



MANUAL INTEGRATION for 1,1,2,2-Tetrachloroethane

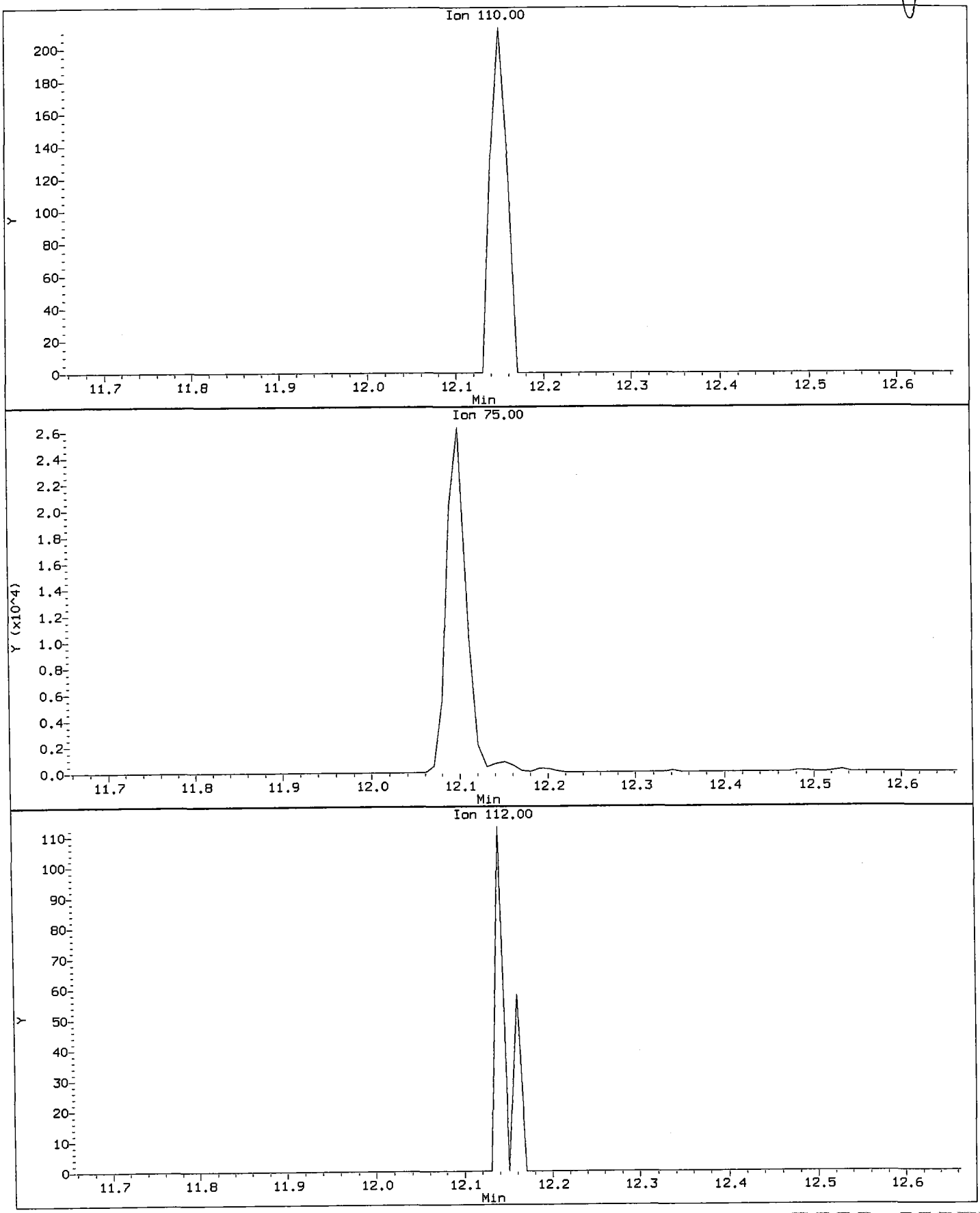
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 2/24/10

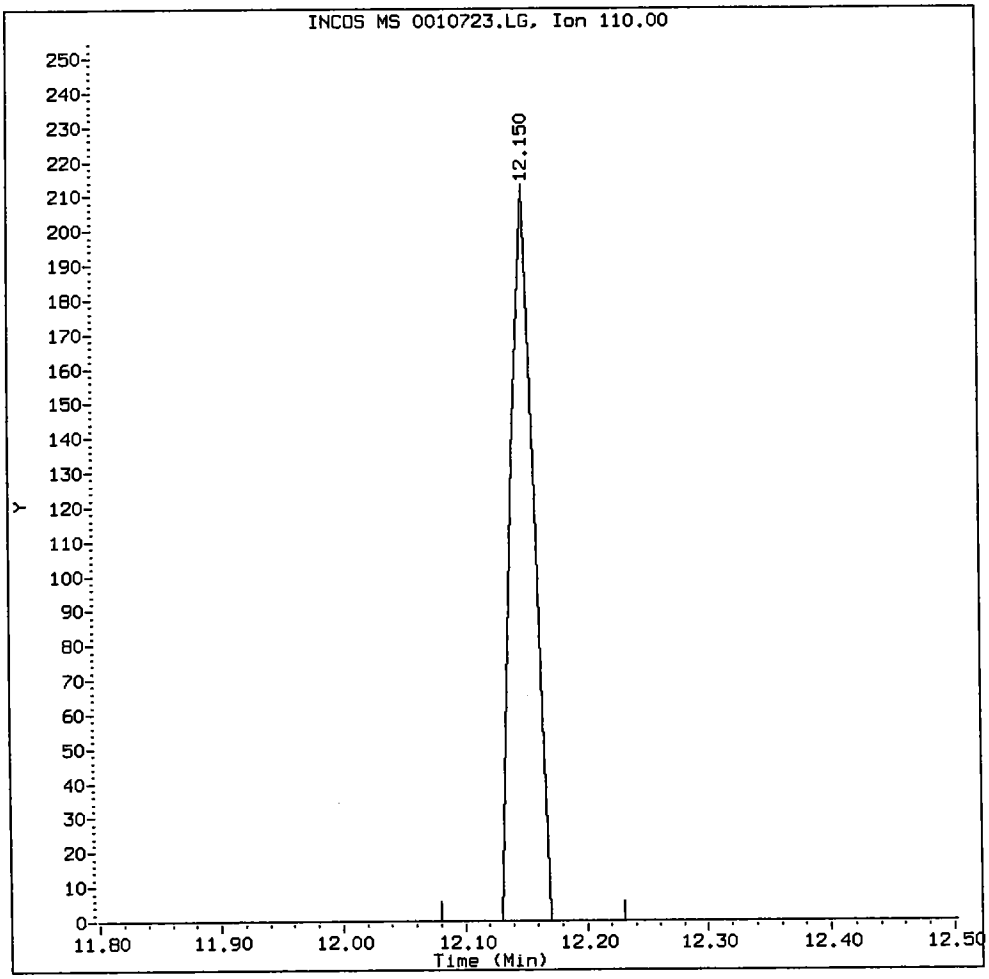
Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

Compound: 1,2,3-Trichloropropane
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

1,2,3-Trichloropropane Amount: 1.02 Area: 282



MANUAL INTEGRATION for 1,2,3-Trichloropropane

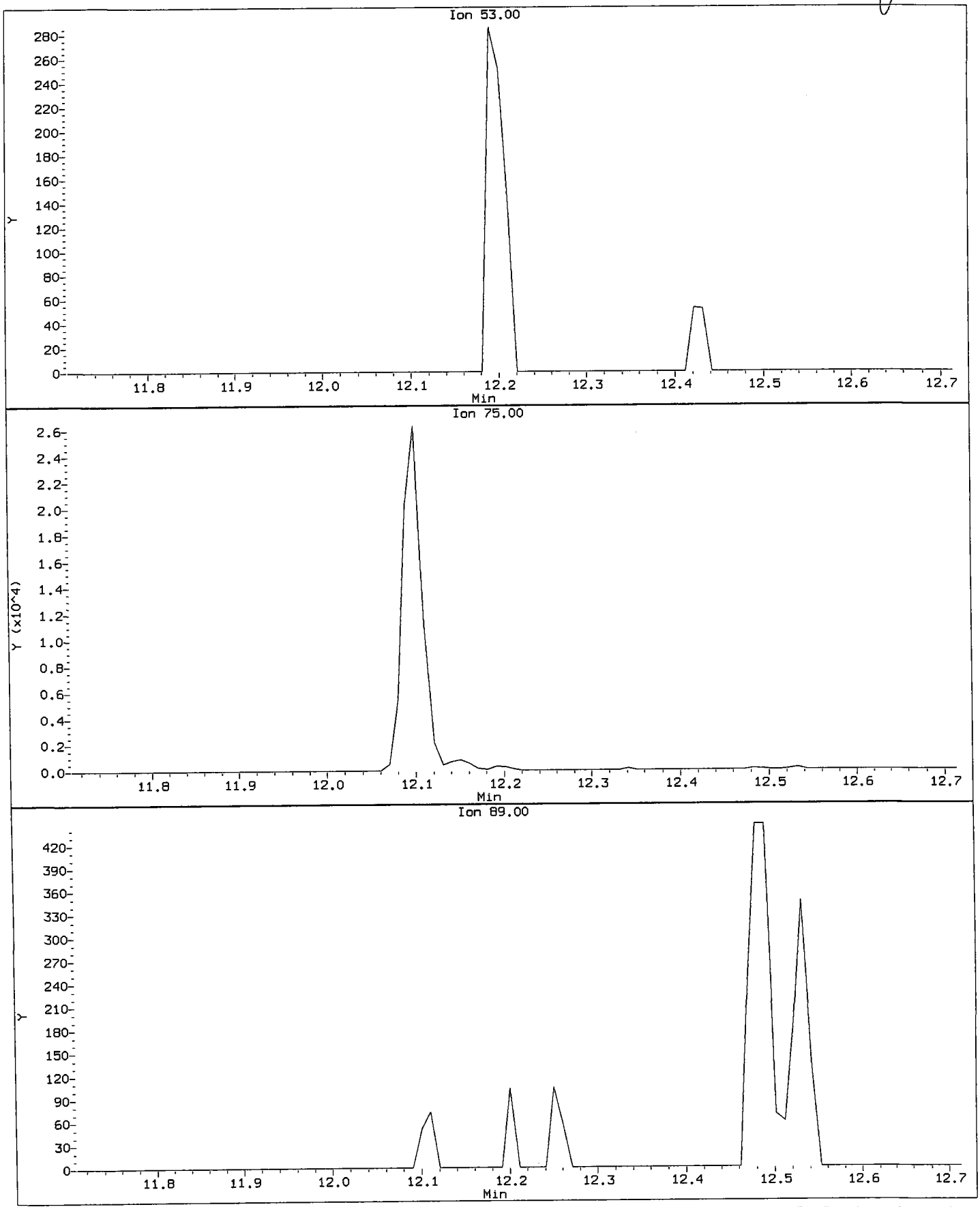
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/14/10

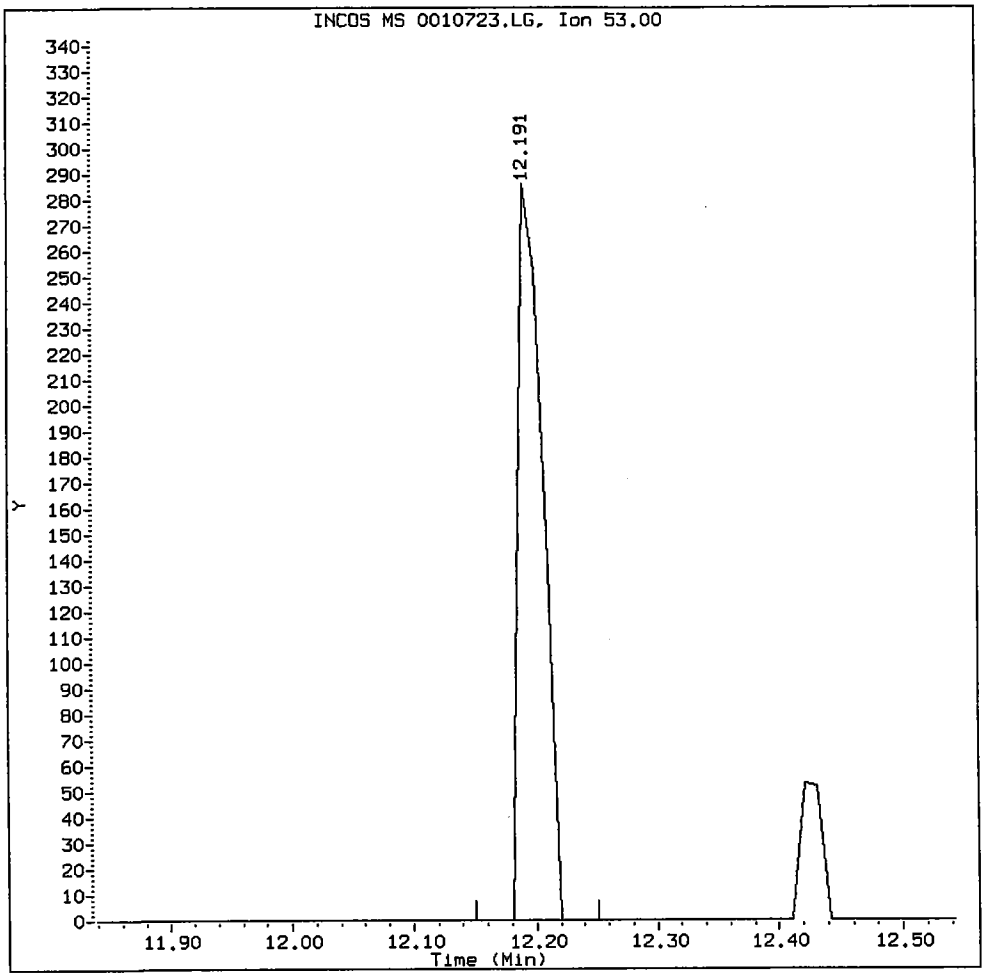
Data File: /chem1/finn5.i/23JUL10.b/0010723.d/0010723.LG
Injection Date: 23-JUL-2010 20:28
Instrument: finn5.i
Client Sample ID: VSTD001

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



IC0723, /chem1/finn5.i/23JUL10.b/0010723.d

Trans-1,4-Dichloro 2-Butene Amount: 0.95 Area: 407



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

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

5. Other _____

Analyst: _____ Date: 7/26/10

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0020723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD002
Inj Date : 23-JUL-2010 20:02
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 20:02 Cal File: 0020723.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	3205	2.00000	2.133
2 Chloromethane	50	3.306	3.306	(0.499)	9090	2.00000	2.249
3 Vinyl Chloride	62	3.427	3.427	(0.517)	6731	2.00000	2.106(Q)
4 Bromomethane	94	3.909	3.909	(0.590)	3943	2.00000	2.272
5 Chloroethane	64	3.980	3.980	(0.601)	5065	2.00000	2.426
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	7223	2.00000	2.338
7 Acrolein	56	4.623	4.623	(0.698)	4563	10.0000	11.841
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	5478	2.00000	2.265
9 Acetone	43	4.673	4.673	(0.706)	7408	10.0000	11.426(M)
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	4722	2.00000	2.152
11 Bromoethane	108	5.055	5.055	(0.763)	3446	2.00000	2.120
12 Iodomethane	142	5.156	5.156	(0.778)	4941	2.00000	1.904
13 Methylene Chloride	84	5.266	5.266	(0.795)	6472	2.00000	2.619
14 Acrylonitrile	53	5.347	5.347	(0.807)	1125	2.00000	1.965(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	6868	2.00000	2.035(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	15337	2.00000	2.253(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	3823	2.00000	2.044
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	6836	2.00000	2.087
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	7309	2.00000	2.124
	20 2-Butanone	43	6.281	6.281	(0.948)	7636	10.0000	10.467
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	4155	2.00000	1.974
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	3254	2.00000	1.974
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	115854	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	6004	2.00000	2.148(Q)
	26 Bromochloromethane	128	6.804	6.804	(1.027)	1497	2.00000	1.913(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	72845	50.0000	52.755(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	4331	2.00000	1.992
	29 1,1-Dichloropropene	75	7.176	7.176	(0.941)	4580	2.00000	2.033
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	4142	2.00000	2.114
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	81644	50.0000	54.036
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	4173	2.00000	2.110
	33 Benzene	78	7.437	7.437	(0.975)	11737	2.00000	2.154
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	165926	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.050)	3316	2.00000	2.077
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	3461	2.00000	2.015
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	3933	2.00000	2.142
	39 Dibromomethane	93	8.472	8.472	(1.111)	1720	2.00000	2.017
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	941	2.00000	1.564(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	4544	10.0000	10.360(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	3760	2.00000	1.875
$	43 d8-Toluene	98	9.186	9.186	(1.204)	190730	50.0000	52.314
	44 Toluene	92	9.266	9.266	(1.215)	7331	2.00000	2.268
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	3132	2.00000	1.858
	46 2-Hexanone	43	9.527	9.527	(0.884)	12031	10.0000	10.227(M)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	1959	2.00000	1.946
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	4110	2.00000	2.029
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	3034	2.00000	1.898
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	2530	2.00000	1.857
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	2176	2.00000	2.018(T)
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	143906	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	7227	2.00000	2.141
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	12527	2.00000	2.195
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	2668	2.00000	2.065
	56 m,p-xylene	106	10.934	10.934	(1.014)	8069	4.00000	3.868(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	3867	2.00000	1.783
	58 Styrene	104	11.457	11.457	(1.062)	6001	2.00000	1.790
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	10149	2.00000	2.058
	60 Bromoform	173	11.869	11.869	(0.881)	1646	2.00000	2.076
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	3293	2.00000	2.312
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	80106	50.0000	47.564
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.902)	662	2.00000	2.346(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.906)	943	2.00000	2.154 (QM)
	66 N-Propyl Benzene	91	12.261	12.261	(0.910)	12782	2.00000	2.008
	67 Bromobenzene	156	12.351	12.351	(0.917)	2746	2.00000	1.998
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	7814	2.00000	1.952
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	8221	2.00000	1.966
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	8529	2.00000	2.127
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	6991	2.00000	2.042
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	7457	2.00000	1.892
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	10809	2.00000	1.919
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.983)	7447	2.00000	1.926
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	4492	2.00000	1.913
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	73251	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.002)	4608	2.00000	1.961
	78 N-Butyl Benzene	91	13.718	13.718	(1.019)	8103	2.00000	1.941
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	67411	50.0000	50.594
	80 1,2-Dichlorobenzene	146	13.939	13.939	(1.035)	4695	2.00000	2.104
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	613	2.00000	2.487
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.180)	2979	2.00000	2.193
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.191)	2016	2.00000	2.204
	84 Naphthalene	128	16.221	16.221	(1.204)	5145	2.00000	2.088
	85 1,2,3-Trichlorobenzene	180	16.502	16.502	(1.225)	2989	2.00000	2.302

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0020723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD002
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	115854	-11.64
34 1,4-Difluorobenze	191559	95780	383118	165926	-13.38
52 d5-Chlorobenzene	161199	80600	322398	143906	-10.73
76 d4-1,4-Dichlorobe	88279	44140	176558	73251	-17.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

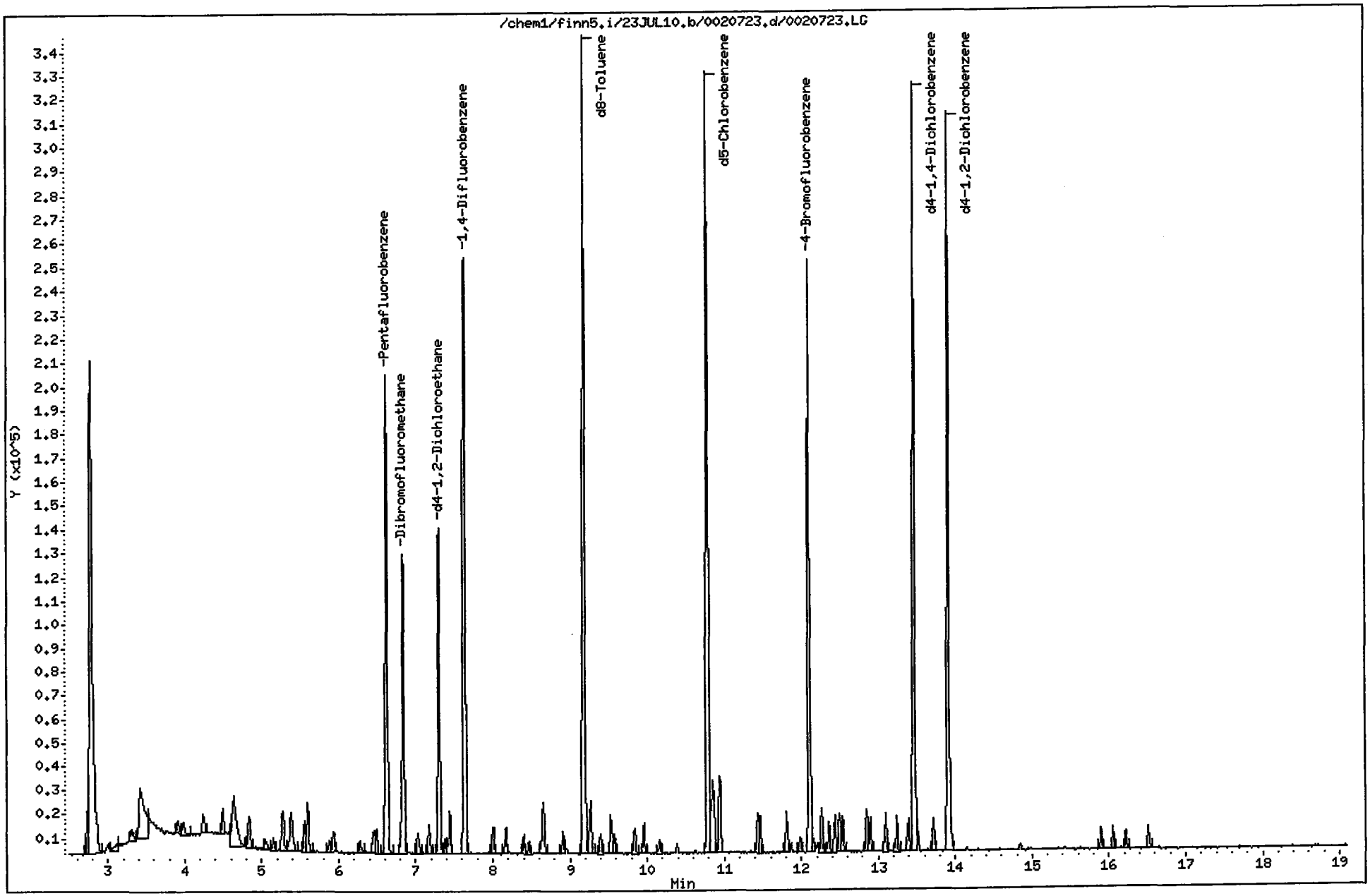
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0020723.d
Date : 23-JUL-2010 20:02
Client ID: VSTD002
Sample Info: IC0723,5,5,0

Instrument: finn5.i

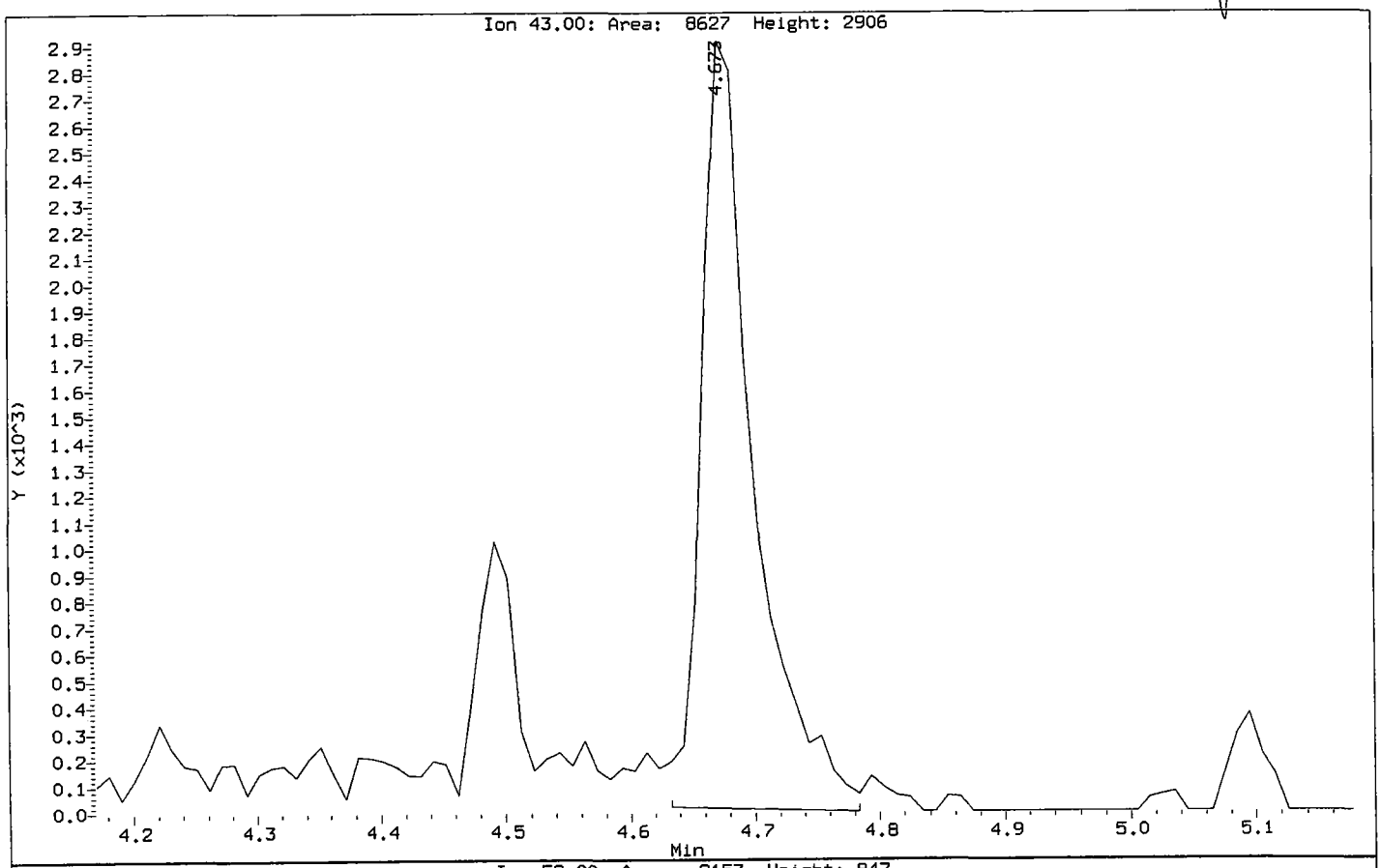
Operator: PB
Column diameter: 0.18

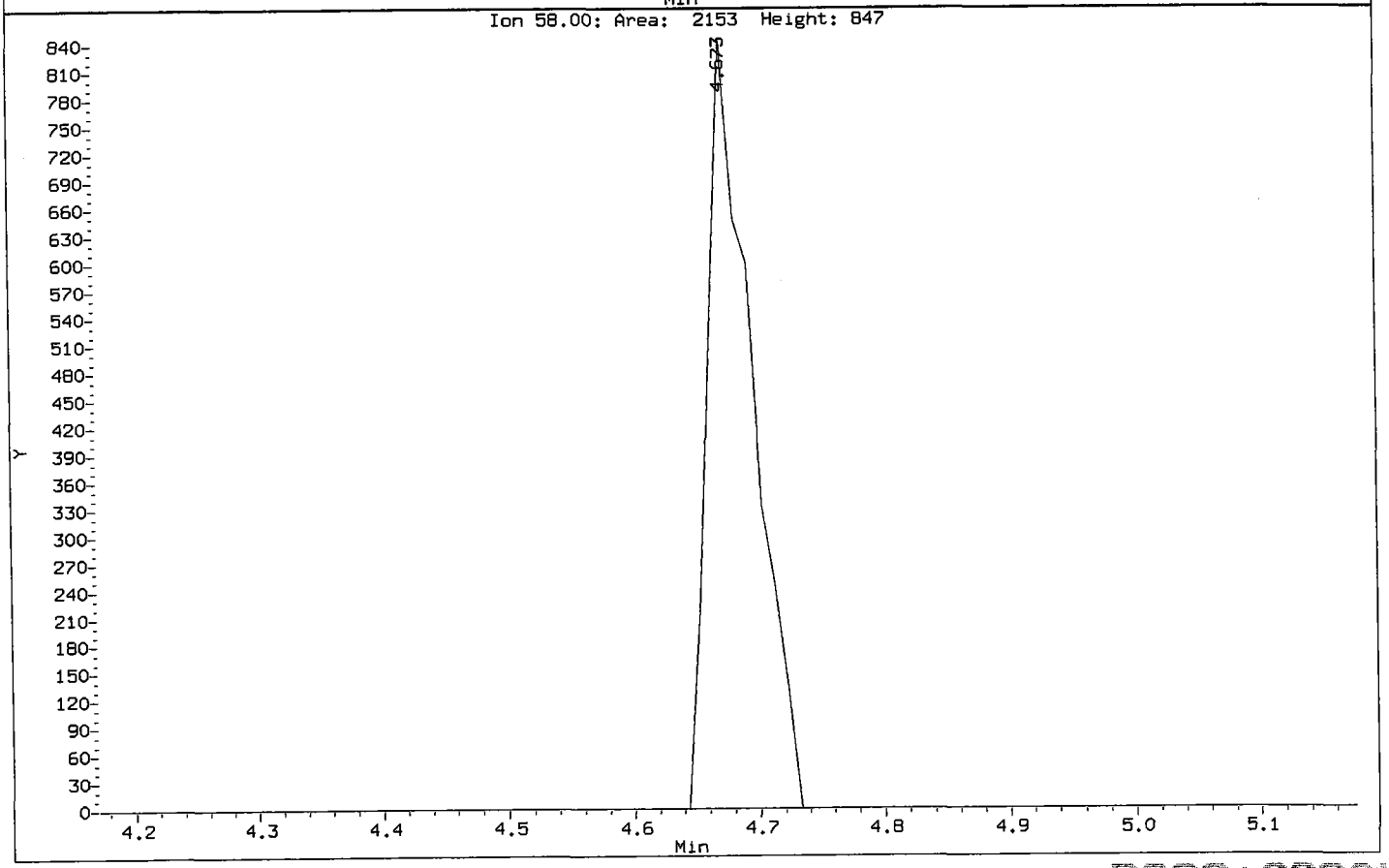
Column phase: Rtx502.2



Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

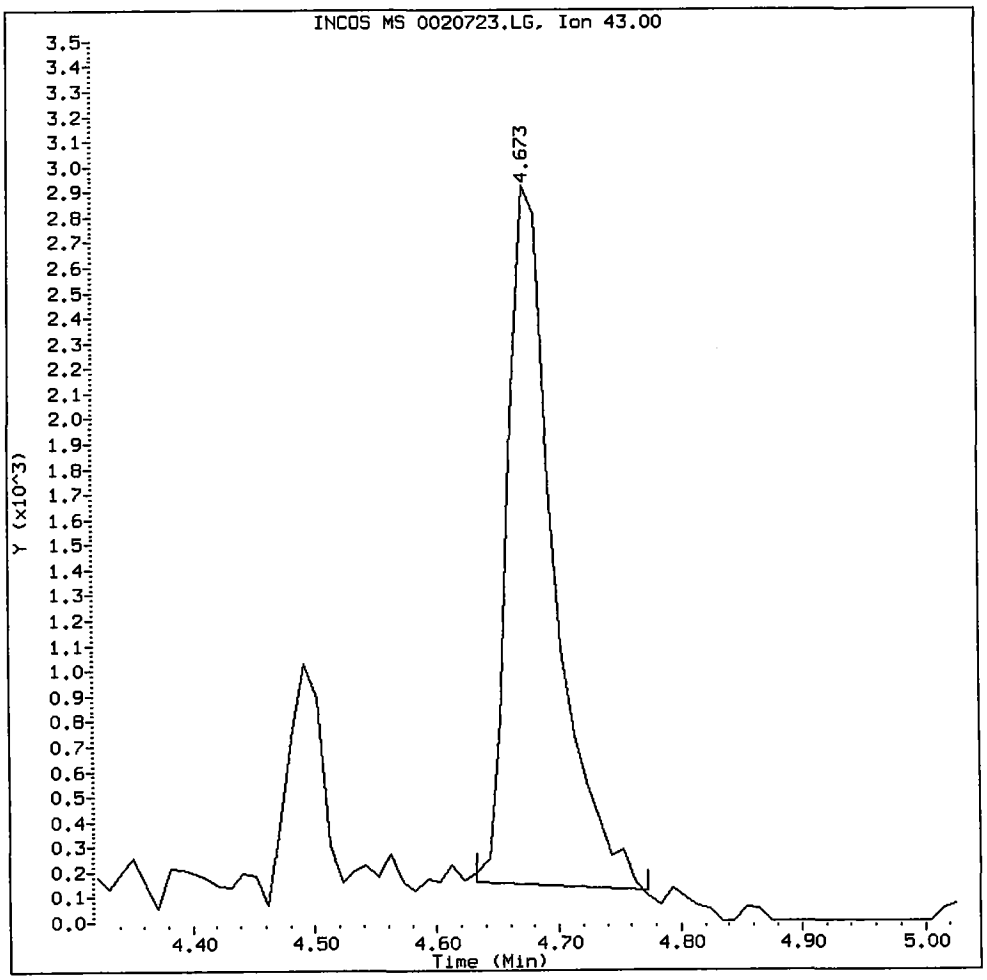
Compound: Acetone
CAS Number:





IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

Acetone Amount: 11.43 Area: 7408



MANUAL INTEGRATION for Acetone

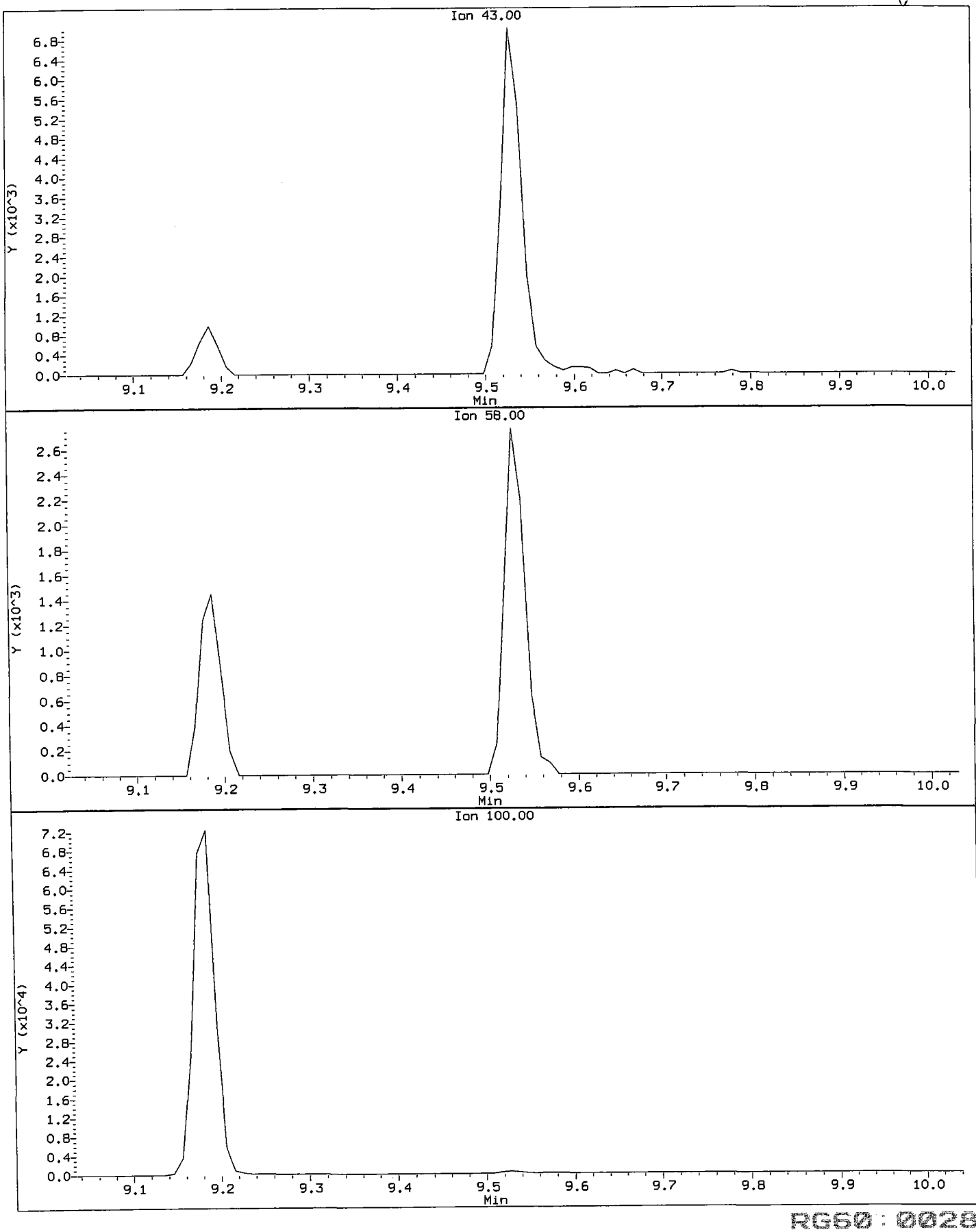
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/29/10

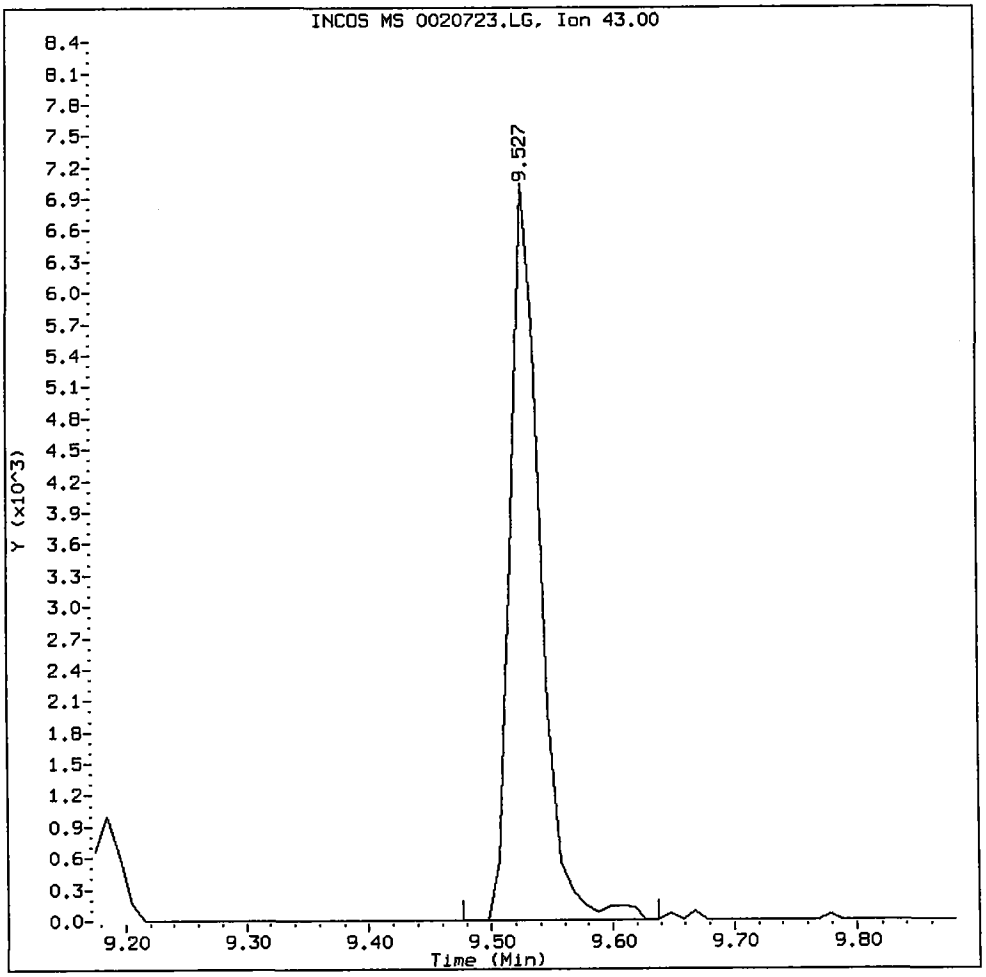
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

Compound: 2-Hexanone
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

2-Hexanone Amount: 10.23 Area: 12031



MANUAL INTEGRATION for 2-Hexanone

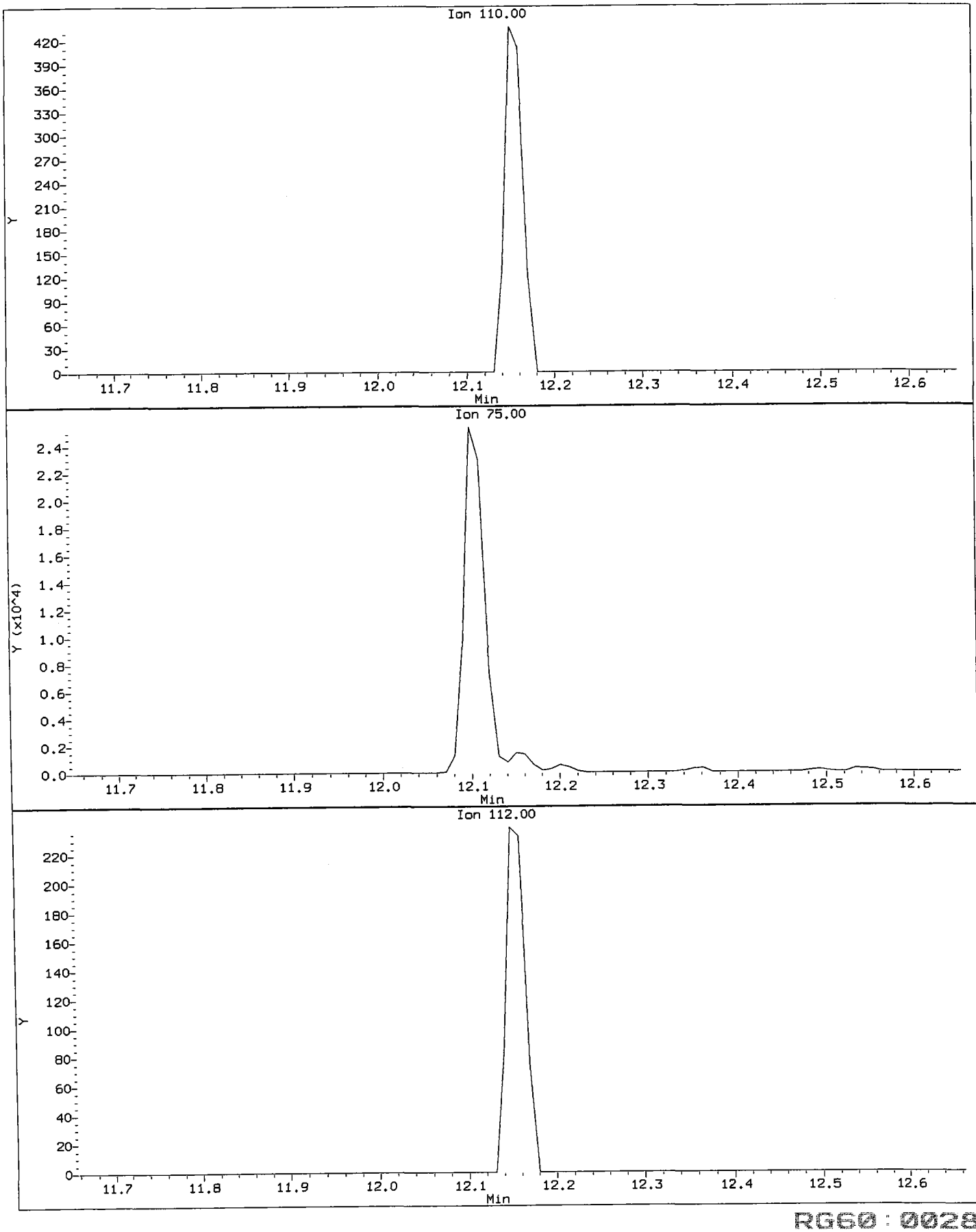
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/12/10

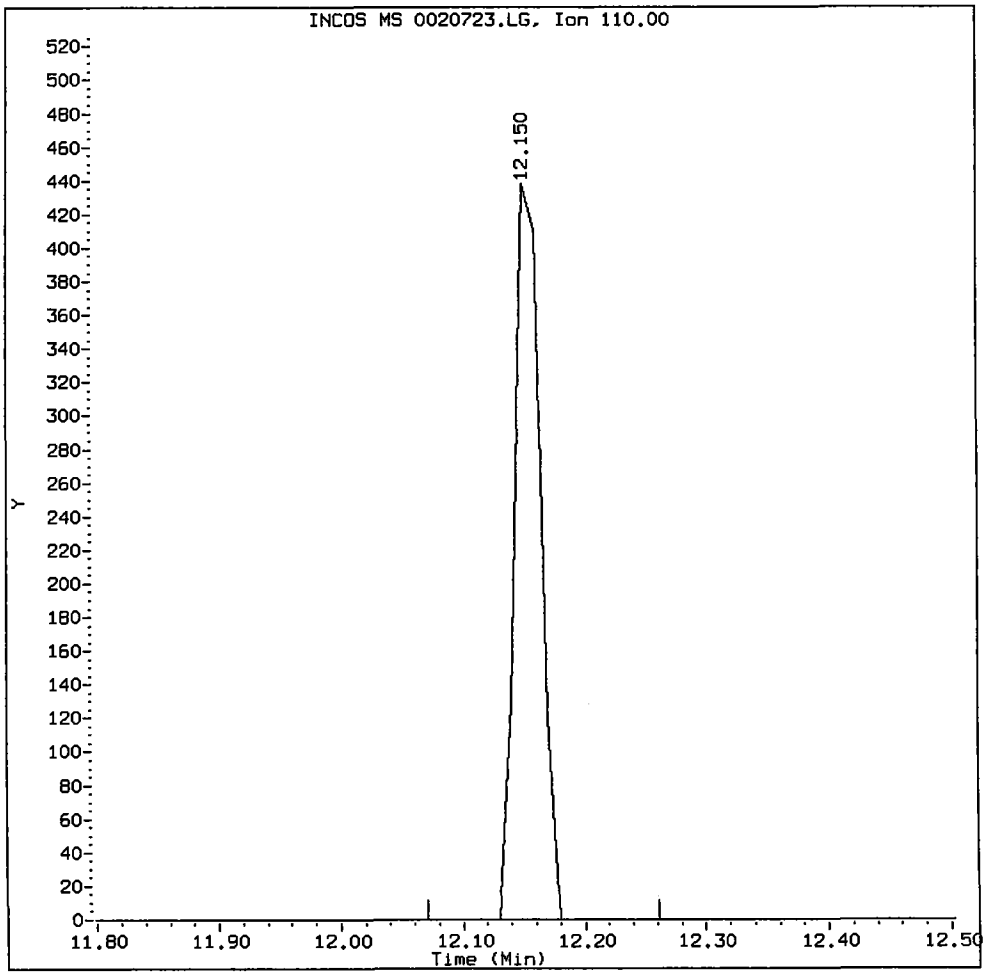
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

Compound: 1,2,3-Trichloropropane
CAS Number:



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

1,2,3-Trichloropropane Amount: 2.35 Area: 662



MANUAL INTEGRATION for 1,2,3-Trichloropropane

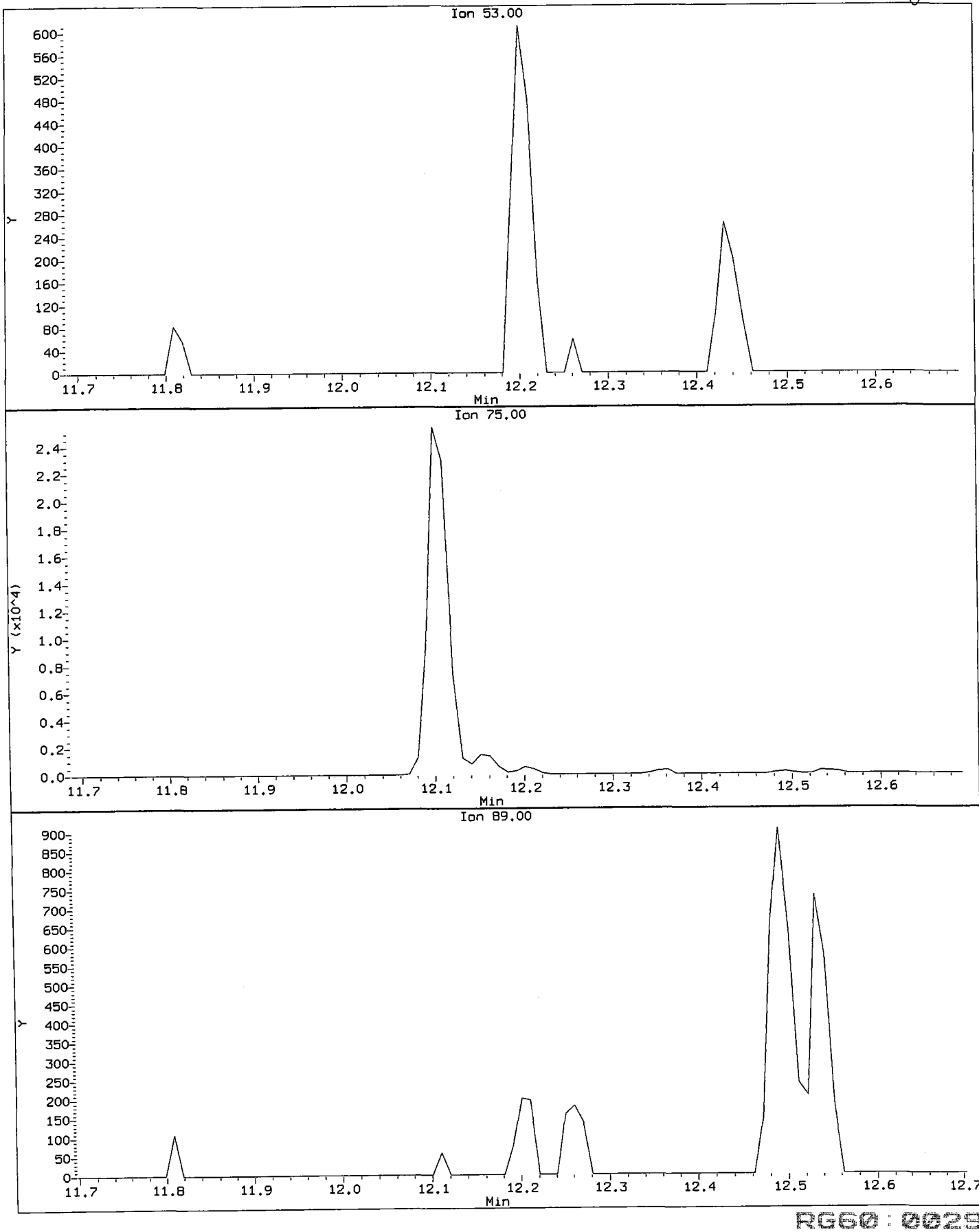
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/14/10

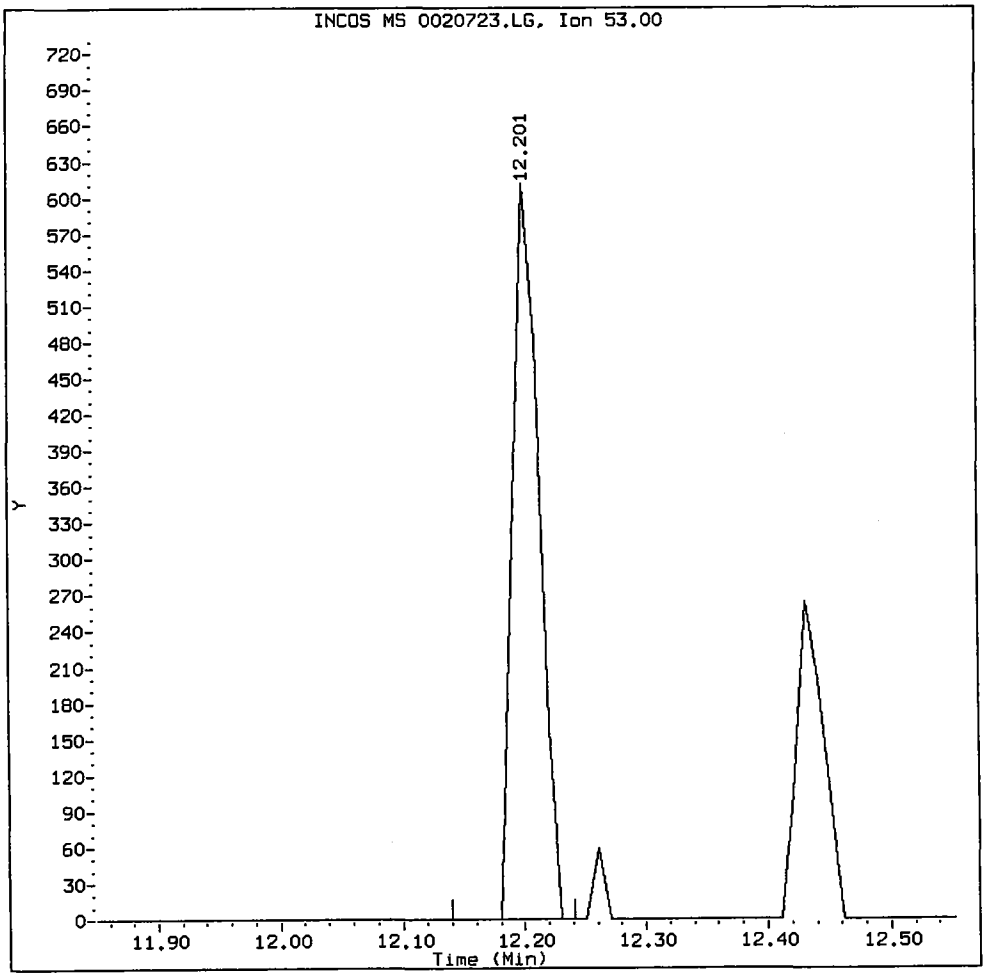
Data File: /chem1/finn5.i/23JUL10.b/0020723.d/0020723.LG
Injection Date: 23-JUL-2010 20:02
Instrument: finn5.i
Client Sample ID: VSTD002

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



IC0723, /chem1/finn5.i/23JUL10.b/0020723.d

Trans-1,4-Dichloro 2-Butene Amount: 2.15 Area: 943



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

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

5. Other _____

Analyst: _____ Date: 7/12/10

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0050723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD005
Inj Date : 23-JUL-2010 19:35
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:28 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 19:35 Cal File: 0050723.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	7723	5.00000	5.089
2 Chloromethane	50	3.296	3.296	(0.498)	22440	5.00000	5.496
3 Vinyl Chloride	62	3.417	3.417	(0.516)	17710	5.00000	5.485(Q)
4 Bromomethane	94	3.899	3.899	(0.589)	9090	5.00000	5.184
5 Chloroethane	64	3.970	3.970	(0.599)	11561	5.00000	5.482
6 Trichlorofluoromethane	101	4.231	4.231	(0.639)	17611	5.00000	5.643
7 Acrolein	56	4.623	4.623	(0.698)	10358	25.0000	26.607
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	14091	5.00000	5.767
9 Acetone	43	4.673	4.673	(0.706)	18358	25.0000	28.028
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	12189	5.00000	5.498
11 Bromoethane	108	5.045	5.045	(0.762)	8530	5.00000	5.195
12 Iodomethane	142	5.146	5.146	(0.777)	13373	5.00000	5.102
13 Methylene Chloride	84	5.266	5.266	(0.795)	13925	5.00000	5.578
14 Acrylonitrile	53	5.347	5.347	(0.807)	3314	5.00000	5.730(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.387	5.387	(0.813)	18920	5.00000	5.549(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.810)	39738	5.00000	5.779
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.838)	9438	5.00000	4.995
	18 Vinyl Acetate	43	5.869	5.869	(0.886)	17895	5.00000	5.408
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	18913	5.00000	5.441
	20 2-Butanone	43	6.271	6.271	(0.947)	20107	25.0000	27.282
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	10921	5.00000	5.134
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	8398	5.00000	5.043(Q)
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	117041	50.0000	
	24 Chloroform	83	6.633	6.633	(1.002)	15400	5.00000	5.454(Q)
	26 Bromochloromethane	128	6.804	6.804	(1.027)	4294	5.00000	5.431(Q)
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	71812	50.0000	51.480(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	11387	5.00000	5.185
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	12169	5.00000	5.243
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	10319	5.00000	5.112
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	80444	50.0000	52.702
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	10820	5.00000	5.310
	33 Benzene	78	7.437	7.437	(0.975)	30771	5.00000	5.482
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	170929	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	8715	5.00000	5.300
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	9370	5.00000	5.296
	37 Bromodichloromethane	83	8.392	8.392	(1.100)	9943	5.00000	5.256
	39 Dibromomethane	93	8.462	8.462	(1.109)	4443	5.00000	5.059
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	2962	5.00000	4.780(Q)
	41 4-Methyl-2-Pentanone	58	8.643	8.643	(1.133)	11309	25.0000	25.028(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	10254	5.00000	4.965
$	43 d8-Toluene	98	9.176	9.176	(1.203)	191709	50.0000	51.044
	44 Toluene	92	9.256	9.256	(1.213)	17473	5.00000	5.247
	45 Trans 1,3-Dichloropropene	75	9.387	9.387	(1.231)	8395	5.00000	4.836
	46 2-Hexanone	43	9.527	9.527	(0.884)	29526	25.0000	24.696(M)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	5519	5.00000	5.323
	48 1,3-Dichloropropane	76	9.829	9.829	(0.911)	10453	5.00000	5.078
	49 Tetrachloroethene	166	9.949	9.949	(0.923)	8262	5.00000	5.084
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	6807	5.00000	4.915
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	5784	5.00000	5.208
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	146260	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	17766	5.00000	5.179
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	30541	5.00000	5.264
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.006)	6409	5.00000	4.881
	56 m,p-xylene	106	10.934	10.934	(1.014)	22123	10.0000	10.434(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	10246	5.00000	4.649
	58 Styrene	104	11.457	11.457	(1.062)	16833	5.00000	4.940
	59 Isopropyl Benzene	105	11.799	11.799	(0.877)	27803	5.00000	5.452
	60 Bromoform	173	11.859	11.859	(0.881)	4268	5.00000	5.205
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	7849	5.00000	5.327
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	81582	50.0000	47.660
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	1675	5.00000	5.738

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.907)	2468	5.00000	5.450 (QM)
	66 N-Propyl Benzene	91	12.261	12.261	(0.911)	34800	5.00000	5.286
	67 Bromobenzene	156	12.341	12.341	(0.917)	7362	5.00000	5.178
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.924)	22104	5.00000	5.339
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	23284	5.00000	5.382
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	21819	5.00000	5.262
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	19493	5.00000	5.504
	72 1,2,4-Trimethylbenzene	105	12.884	12.884	(0.957)	21602	5.00000	5.301
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	30183	5.00000	5.180
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.984)	21391	5.00000	5.350
	75 1,3-Dichlorobenzene	146	13.377	13.377	(0.994)	12682	5.00000	5.221
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	75761	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	12899	5.00000	5.307
	78 N-Butyl Benzene	91	13.708	13.708	(1.019)	23070	5.00000	5.344
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.034)	69719	50.0000	50.593
	80 1,2-Dichlorobenzene	146	13.939	13.939	(1.036)	12406	5.00000	5.374
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.103)	1436	5.00000	5.632
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	7355	5.00000	5.236
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	5223	5.00000	5.520
	84 Naphthalene	128	16.211	16.211	(1.205)	13199	5.00000	5.180
	85 1,2,3-Trichlorobenzene	180	16.502	16.502	(1.226)	7275	5.00000	5.417

QC Flag Legend

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

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0050723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD005
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	117041	-10.73
34 1,4-Difluorobenze	191559	95780	383118	170929	-10.77
52 d5-Chlorobenzene	161199	80600	322398	146260	-9.27
76 d4-1,4-Dichlorobe	88279	44140	176558	75761	-14.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

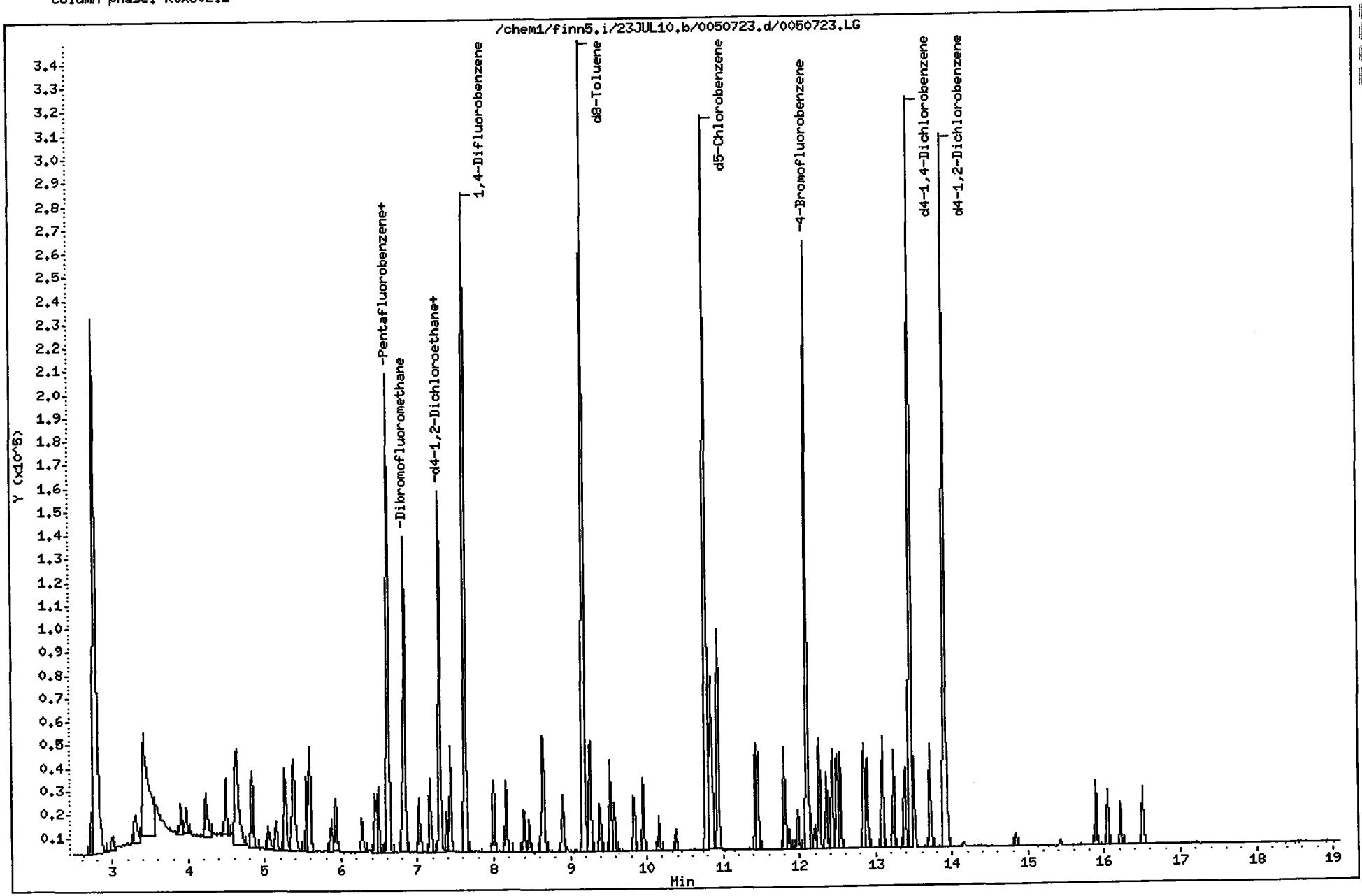
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0050723.d
Date : 23-JUL-2010 19:35
Client ID: VSTD005
Sample Info: IC0723,5,5,0

Instrument: finn5.i

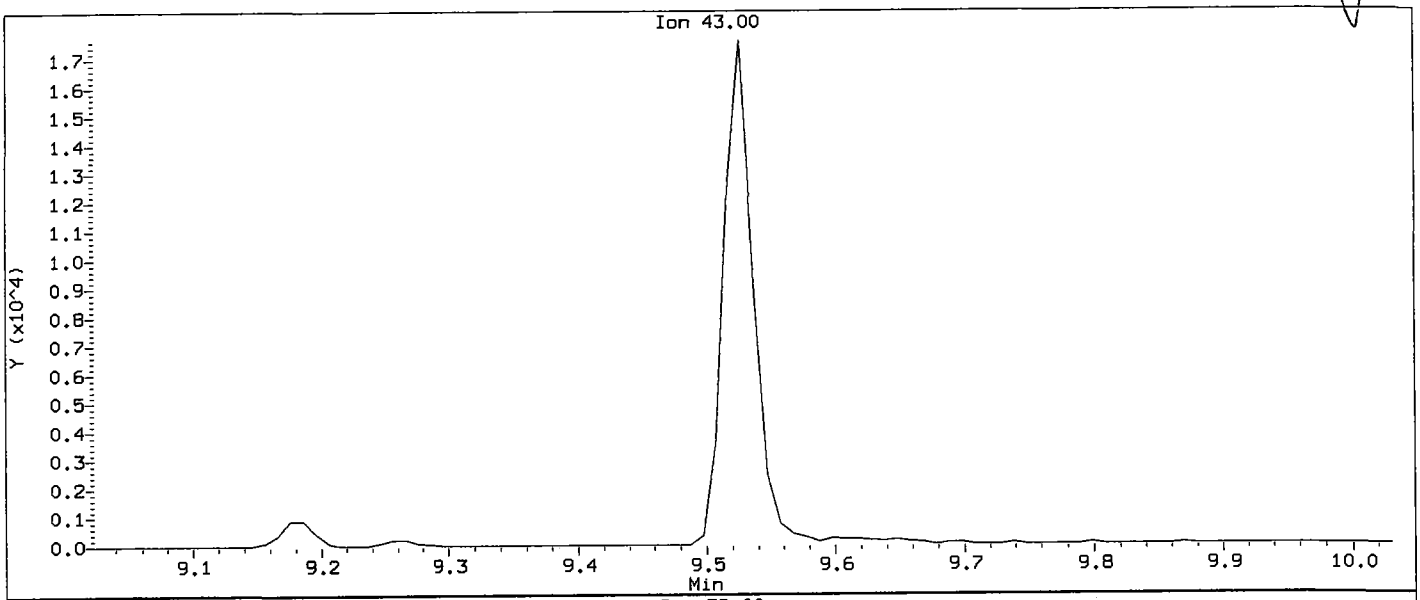
Operator: PB
Column diameter: 0.18

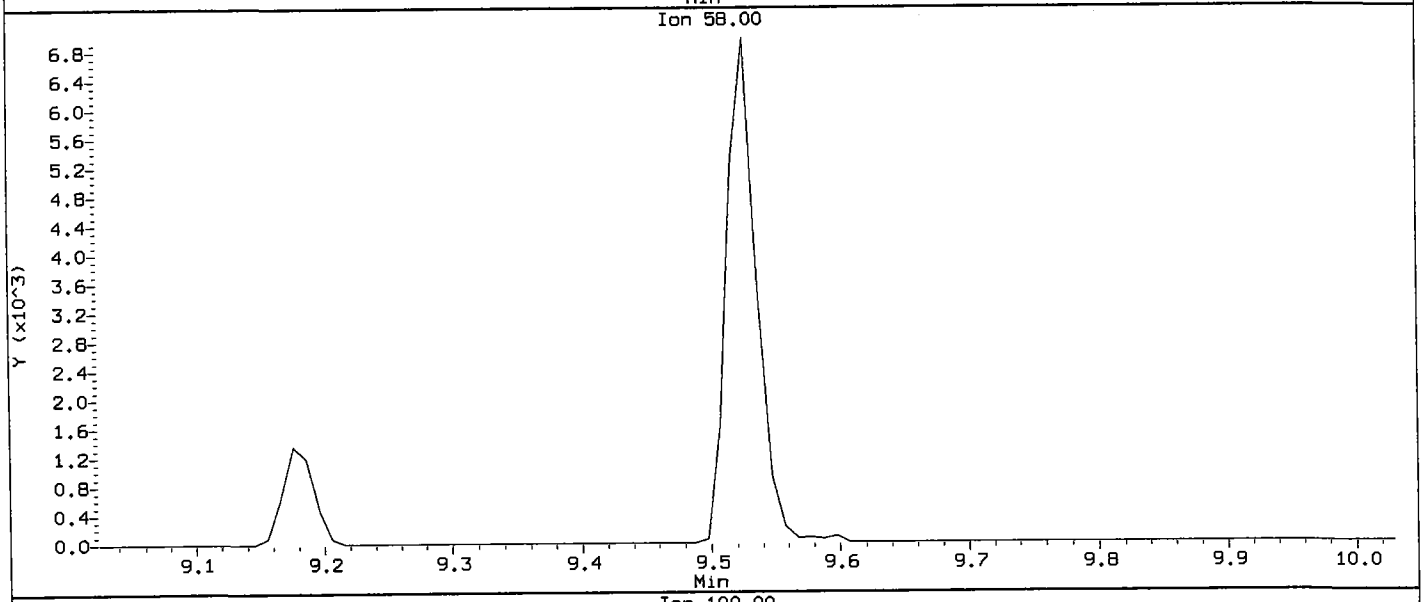
Column phase: Rtx502.2

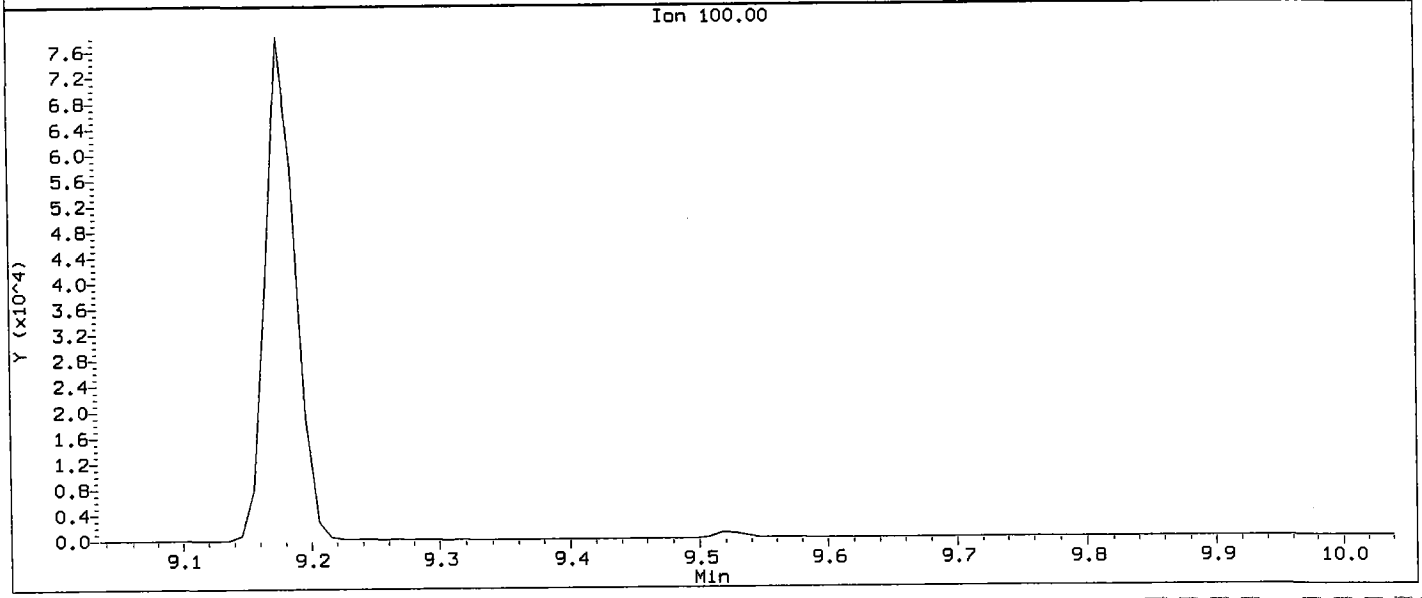


Data File: /chem1/finn5.i/23JUL10.b/0050723.d/0050723.LG
Injection Date: 23-JUL-2010 19:35
Instrument: finn5.i
Client Sample ID: VSTD005

Compound: 2-Hexanone
CAS Number:

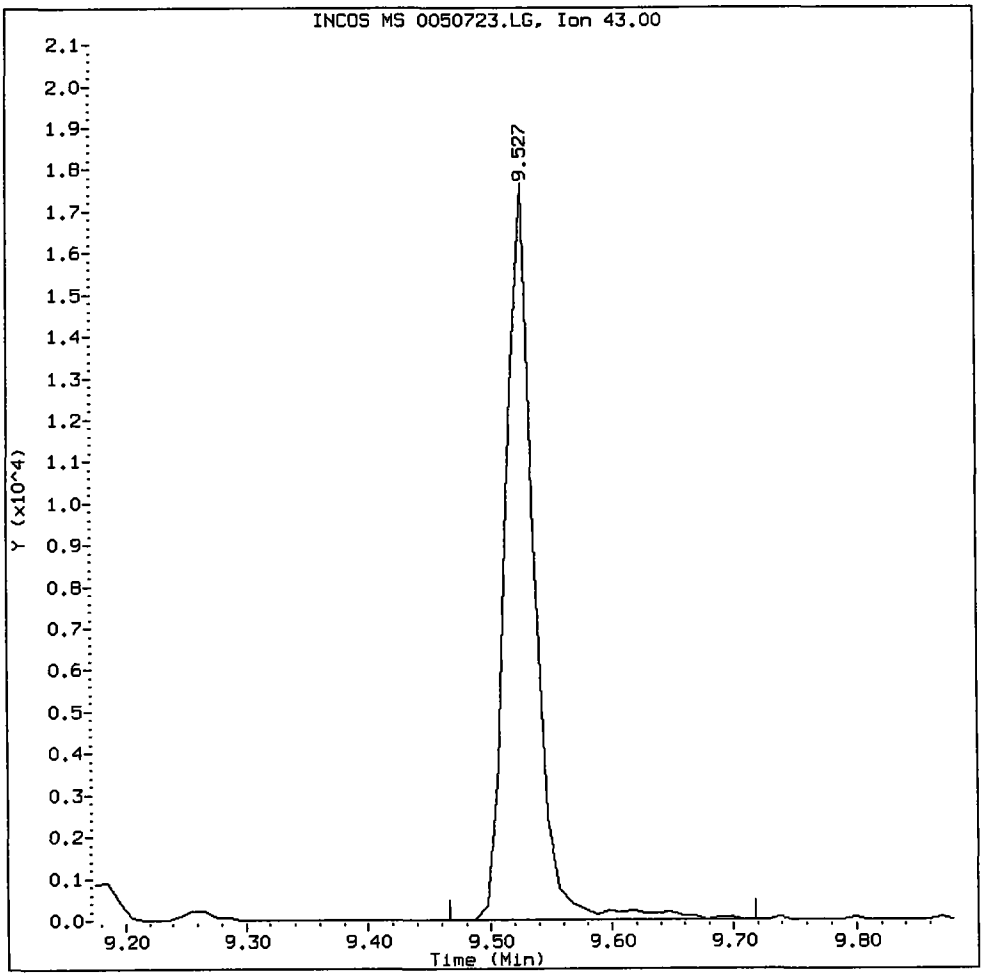






IC0723, /chem1/finn5.i/23JUL10.b/0050723.d

2-Hexanone Amount: 24.70 Area: 29526



MANUAL INTEGRATION for 2-Hexanone

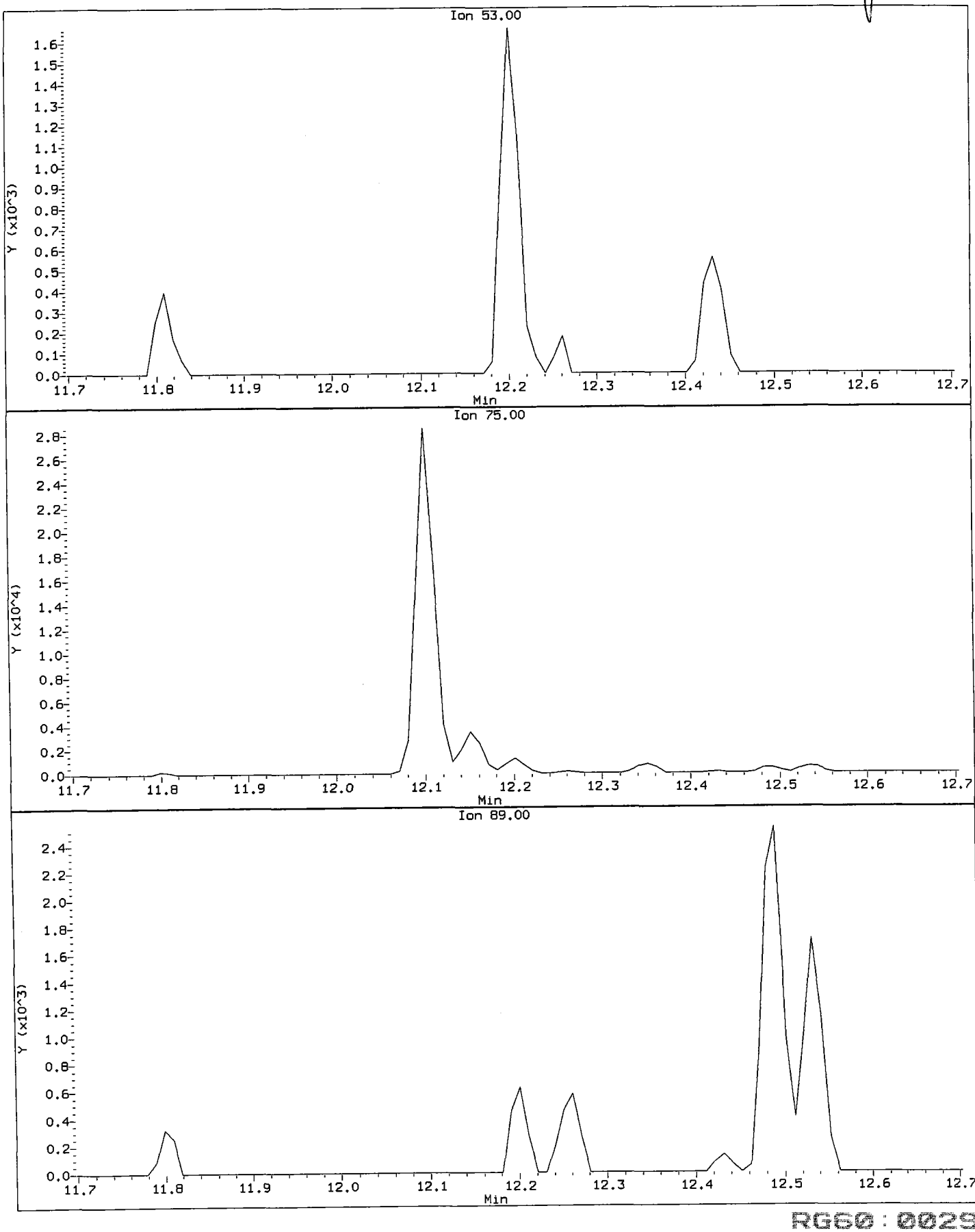
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 7/12/10

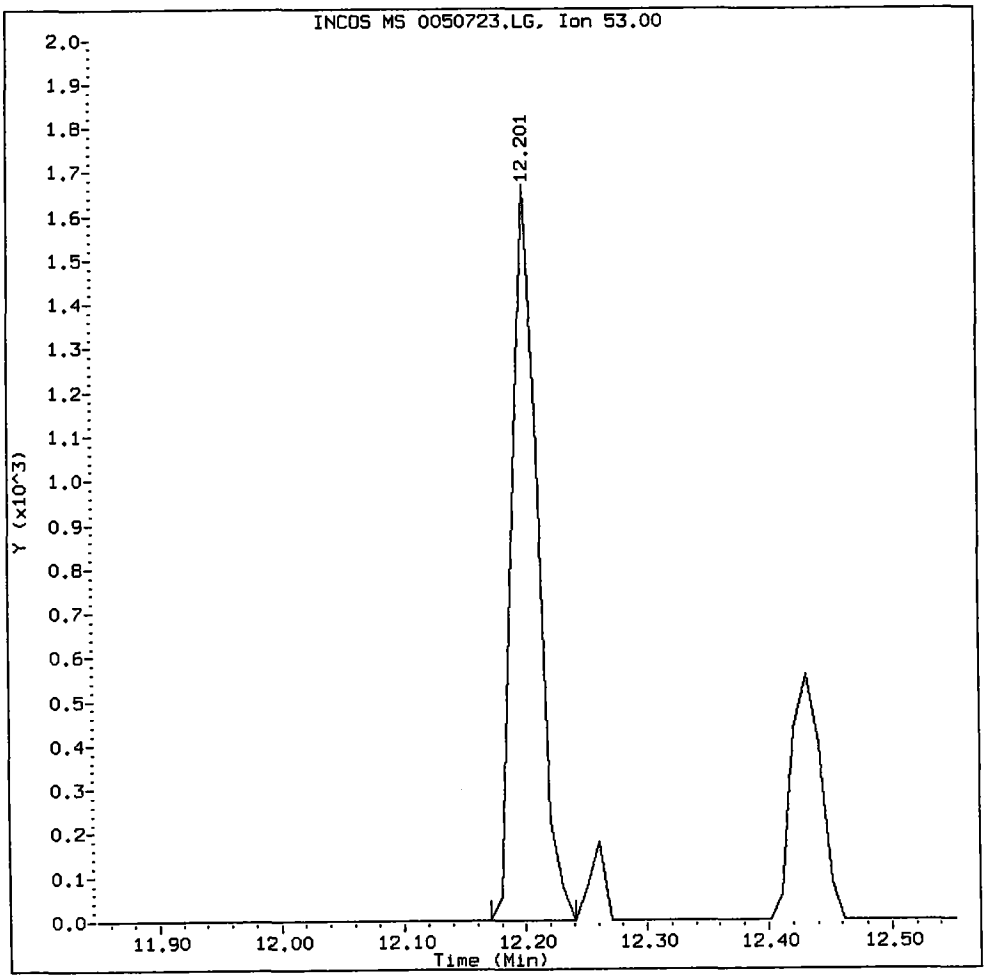
Data File: /chem1/finn5.i/23JUL10.b/0050723.d/0050723.LG
Injection Date: 23-JUL-2010 19:35
Instrument: finn5.i
Client Sample ID: VSTD005

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



IC0723, /chem1/finn5.i/23JUL10.b/0050723.d

Trans-1,4-Dichloro 2-Butene Amount: 5.45 Area: 2468



MANUAL INTEGRATION for Trans-1,4-Dichloro 2-Butene

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

5. Other _____

Analyst: _____ Date: _____

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0100723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD010
Inj Date : 23-JUL-2010 19:09
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 19:09 Cal File: 0100723.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	15067	10.0000	9.770
2 Chloromethane	50	3.306	3.306	(0.499)	47789	10.0000	11.518
3 Vinyl Chloride	62	3.407	3.407	(0.514)	37997	10.0000	11.580(Q)
4 Bromomethane	94	3.899	3.899	(0.589)	14872	10.0000	8.346
5 Chloroethane	64	3.970	3.970	(0.599)	20719	10.0000	9.669
6 Trichlorofluoromethane	101	4.231	4.231	(0.639)	33546	10.0000	10.578
7 Acrolein	56	4.623	4.623	(0.698)	19450	50.0000	49.169
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	26723	10.0000	10.764
9 Acetone	43	4.673	4.673	(0.706)	35817	50.0000	53.814
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	24541	10.0000	10.893
11 Bromoethane	108	5.055	5.055	(0.763)	17903	10.0000	10.731
12 Iodomethane	142	5.146	5.146	(0.777)	27119	10.0000	10.181
13 Methylene Chloride	84	5.266	5.266	(0.795)	26821	10.0000	10.573
14 Acrylonitrile	53	5.357	5.357	(0.809)	6777	10.0000	11.533(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	38803	10.0000	11.200(Q)
	15 Carbon Disulfide	76	5.367	5.367	(0.810)	78061	10.0000	11.172
	17 Trans-1,2-Dichloroethene	96	5.548	5.548	(0.838)	21284	10.0000	11.086
	18 Vinyl Acetate	43	5.869	5.869	(0.886)	37100	10.0000	11.033
	19 1,1-Dichloroethane	63	5.929	5.929	(0.895)	39819	10.0000	11.274
	20 2-Butanone	43	6.281	6.281	(0.948)	42020	50.0000	56.109
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	22630	10.0000	10.471
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	18047	10.0000	10.665
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	118930	50.0000	
	24 Chloroform	83	6.633	6.633	(1.002)	31386	10.0000	10.940
	26 Bromochloromethane	128	6.804	6.804	(1.027)	8495	10.0000	10.574
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	69715	50.0000	49.182(Q)
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	23434	10.0000	10.502
	29 1,1-Dichloropropene	75	7.166	7.166	(0.939)	25745	10.0000	11.267
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	21209	10.0000	10.673
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	76858	50.0000	49.553
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	22825	10.0000	11.378
	33 Benzene	78	7.437	7.437	(0.975)	66143	10.0000	11.970
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	168271	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	18174	10.0000	11.226
	36 1,2-Dichloropropane	63	8.161	8.161	(1.070)	19596	10.0000	11.250
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	20319	10.0000	10.911
	39 Dibromomethane	93	8.472	8.472	(1.111)	9683	10.0000	11.199
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	6388	10.0000	10.472(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	24009	50.0000	53.974
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	22221	10.0000	10.929
$	43 d8-Toluene	98	9.176	9.176	(1.203)	186138	50.0000	50.343
	44 Toluene	92	9.266	9.266	(1.215)	35399	10.0000	10.798
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	18193	10.0000	10.645
	46 2-Hexanone	43	9.527	9.527	(0.884)	61774	50.0000	53.599
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	11407	10.0000	11.176
	48 1,3-Dichloropropane	76	9.829	9.829	(0.911)	21313	10.0000	10.740
	49 Tetrachloroethene	166	9.949	9.949	(0.923)	15981	10.0000	10.202
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	14166	10.0000	10.612
	51 1,2-Dibromoethane	107	10.382	10.382	(1.361)	11754	10.0000	10.752
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	140990	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	36224	10.0000	10.954
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	63957	10.0000	11.437
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.844	(1.006)	12790	10.0000	10.106
	56 m,p-xylene	106	10.934	10.934	(1.014)	46275	20.0000	22.640(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	21803	10.0000	10.264
	58 Styrene	104	11.457	11.457	(1.062)	37240	10.0000	11.338
	59 Isopropyl Benzene	105	11.809	11.809	(0.878)	58882	10.0000	12.124
	60 Bromoform	173	11.869	11.869	(0.882)	8420	10.0000	10.783
	61 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(0.890)	16250	10.0000	11.581
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	77668	50.0000	47.070
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.903)	3269	10.0000	11.760

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.201	12.201	(0.907)	5035	10.0000	11.675
	66 N-Propyl Benzene	91	12.261	12.261	(0.911)	74061	10.0000	11.812
	67 Bromobenzene	156	12.351	12.351	(0.918)	15265	10.0000	11.274
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.924)	46547	10.0000	11.806
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	48661	10.0000	11.812
	70 4-Chloro Toluene	91	12.532	12.532	(0.931)	47584	10.0000	12.050
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	41330	10.0000	12.254
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.958)	47036	10.0000	12.119
	73 S-Butyl Benzene	105	13.085	13.085	(0.972)	64271	10.0000	11.583
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.984)	45887	10.0000	12.052
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.995)	27596	10.0000	11.930
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	72150	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.497	(1.003)	26532	10.0000	11.462
	78 N-Butyl Benzene	91	13.708	13.708	(1.019)	49500	10.0000	12.040
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.034)	66793	50.0000	50.895
	80 1,2-Dichlorobenzene	146	13.939	13.939	(1.036)	25247	10.0000	11.484
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.103)	2894	10.0000	11.920
	82 1,2,4-Trichlorobenzene	180	15.889	15.889	(1.181)	16254	10.0000	12.150
	83 Hexachloro 1,3-Butadiene	225	16.040	16.040	(1.192)	10838	10.0000	12.028
	84 Naphthalene	128	16.221	16.221	(1.205)	30211	10.0000	12.450
	85 1,2,3-Trichlorobenzene	180	16.502	16.502	(1.226)	16393	10.0000	12.817

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0100723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD010
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	118930	-9.29
34 1,4-Difluorobenze	191559	95780	383118	168271	-12.16
52 d5-Chlorobenzene	161199	80600	322398	140990	-12.54
76 d4-1,4-Dichlorobe	88279	44140	176558	72150	-18.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.46	-0.07

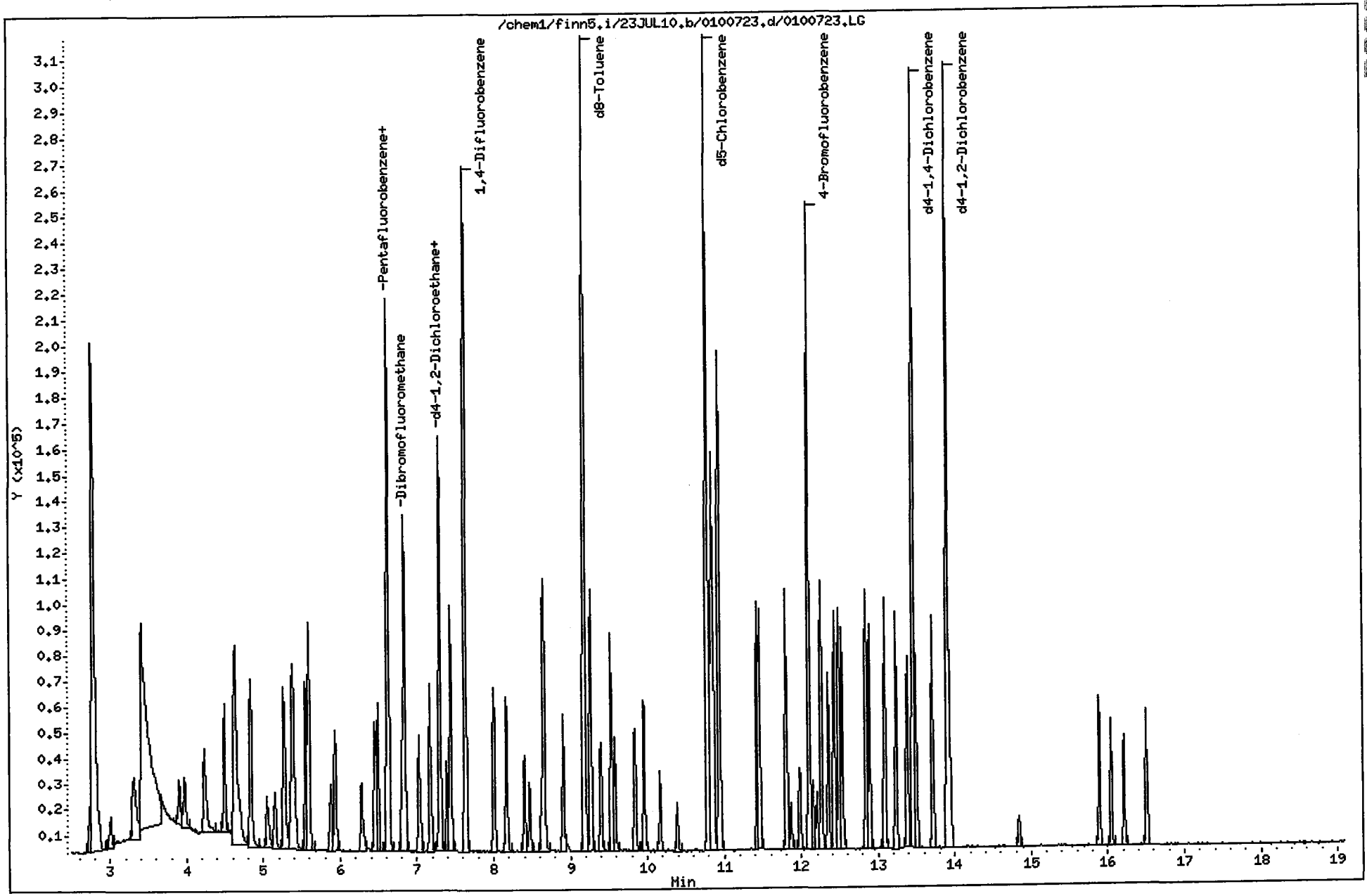
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0100723.d
Date : 23-JUL-2010 19:09
Client ID: VSTD010
Sample Info: IC0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/0500723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD050
Inj Date : 23-JUL-2010 18:42
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 18:42 Cal File: 0500723.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	88494	50.0000	52.050
2 Chloromethane	50	3.306	3.306	(0.499)	216660	50.0000	47.364
3 Vinyl Chloride	62	3.417	3.417	(0.516)	178705	50.0000	49.403
4 Bromomethane	94	3.909	3.909	(0.590)	106254	50.0000	54.088
5 Chloroethane	64	3.980	3.980	(0.601)	114914	50.0000	48.645
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	187024	50.0000	53.495
7 Acrolein	56	4.623	4.623	(0.698)	103002	250.000	236.19
8 112Trichloro122Trifluoroethane	101	4.633	4.633	(0.700)	132979	50.0000	48.585
9 Acetone	43	4.673	4.673	(0.706)	175977	250.000	239.83
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	128370	50.0000	51.685
11 Bromoethane	108	5.055	5.055	(0.763)	95360	50.0000	51.846
12 Iodomethane	142	5.156	5.156	(0.778)	164295	50.0000	55.947
13 Methylene Chloride	84	5.266	5.266	(0.795)	122611	50.0000	43.842
14 Acrylonitrile	53	5.357	5.357	(0.809)	34222	50.0000	52.824

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	199902	50.0000	52.338
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	416399	50.0000	54.056
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	104060	50.0000	49.162
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	204622	50.0000	55.196
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	201091	50.0000	51.642
	20 2-Butanone	43	6.281	6.281	(0.948)	214832	250.000	260.20
	21 2,2-Dichloropropane	77	6.452	6.452	(0.974)	119721	50.0000	50.246
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	90699	50.0000	48.618
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	131115	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	157700	50.0000	49.859
	26 Bromochloromethane	128	6.804	6.804	(1.027)	43978	50.0000	49.652
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	78499	50.0000	50.233
	27 1,1,1-Trichloroethane	97	7.025	7.025	(1.061)	122308	50.0000	49.717
	29 1,1-Dichloropropene	75	7.176	7.176	(0.941)	128968	50.0000	49.578
	30 Carbon Tetrachloride	117	7.286	7.286	(0.955)	109284	50.0000	48.311
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	84334	50.0000	49.320
	32 1,2-Dichloroethane	62	7.387	7.387	(0.968)	112274	50.0000	49.165
	33 Benzene	78	7.437	7.437	(0.975)	317315	50.0000	50.445
*	34 1,4-Difluorobenzene	114	7.628	7.628	(1.000)	191559	50.0000	
	35 Trichloroethene	95	8.000	8.000	(1.049)	89737	50.0000	48.692
	36 1,2-Dichloropropane	63	8.171	8.171	(1.071)	96034	50.0000	48.432
	37 Bromodichloromethane	83	8.402	8.402	(1.101)	103931	50.0000	49.024
	39 Dibromomethane	93	8.472	8.472	(1.111)	47687	50.0000	48.448
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.613	(1.129)	35475	50.0000	51.086
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.134)	127285	250.000	251.36
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.167)	122153	50.0000	52.775
$	43 d8-Toluene	98	9.186	9.186	(1.204)	213313	50.0000	50.679
	44 Toluene	92	9.266	9.266	(1.215)	176514	50.0000	47.296
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.232)	99882	50.0000	51.339
	46 2-Hexanone	43	9.527	9.527	(0.884)	307458	250.000	233.33
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.256)	56632	50.0000	48.742
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	109236	50.0000	48.147
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	78929	50.0000	44.072
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	72980	50.0000	47.816
	51 1,2-Dibromoethane	107	10.392	10.392	(1.362)	61687	50.0000	49.567
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	161199	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	176231	50.0000	46.611
	54 Ethyl Benzene	91	10.854	10.854	(1.007)	325754	50.0000	50.948
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	62748	50.0000	43.363
	56 m,p-xylene	106	10.934	10.934	(1.014)	247468	100.000	105.89
	57 o-Xylene	106	11.427	11.427	(1.060)	120870	50.0000	49.766
	58 Styrene	104	11.457	11.457	(1.062)	197957	50.0000	52.713
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	321007	50.0000	54.019
	60 Bromoform	173	11.869	11.869	(0.881)	45981	50.0000	48.125
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	80952	50.0000	47.153
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	91332	50.0000	48.412
	63 1,2,3-Trichloropropane	110	12.150	12.150	(0.902)	16376	50.0000	48.148

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	26610	50.0000	50.430
66	N-Propyl Benzene	91	12.261	12.261	(0.910)	378862	50.0000	49.387
67	Bromobenzene	156	12.351	12.351	(0.917)	80968	50.0000	48.876
68	1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	264645	50.0000	54.862
69	2-Chloro Toluene	91	12.492	12.492	(0.928)	248038	50.0000	49.208
70	4-Chloro Toluene	91	12.532	12.532	(0.931)	261192	50.0000	54.058
71	T-Butyl Benzene	119	12.844	12.844	(0.954)	232931	50.0000	56.443
72	1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	260230	50.0000	54.800
73	S-Butyl Benzene	105	13.095	13.095	(0.972)	355887	50.0000	52.419
74	4-Isopropyl Toluene	119	13.236	13.236	(0.983)	260120	50.0000	55.837
75	1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	145285	50.0000	51.333
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	88279	50.0000	
77	1,4-Dichlorobenzene	146	13.497	13.497	(1.002)	140968	50.0000	49.774
78	N-Butyl Benzene	91	13.718	13.718	(1.019)	273888	50.0000	54.445
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	81684	50.0000	50.870
80	1,2-Dichlorobenzene	146	13.939	13.939	(1.035)	133963	50.0000	49.803
81	1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	15128	50.0000	50.924
82	1,2,4-Trichlorobenzene	180	15.889	15.889	(1.180)	75938	50.0000	46.392
83	Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	52008	50.0000	47.175
84	Naphthalene	128	16.221	16.221	(1.204)	142809	50.0000	48.101
85	1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	71413	50.0000	45.633

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 0500723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD050
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	131115	0.00
34 1,4-Difluorobenze	191559	95780	383118	191559	0.00
52 d5-Chlorobenzene	161199	80600	322398	161199	0.00
76 d4-1,4-Dichlorobe	88279	44140	176558	88279	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.63	0.00
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

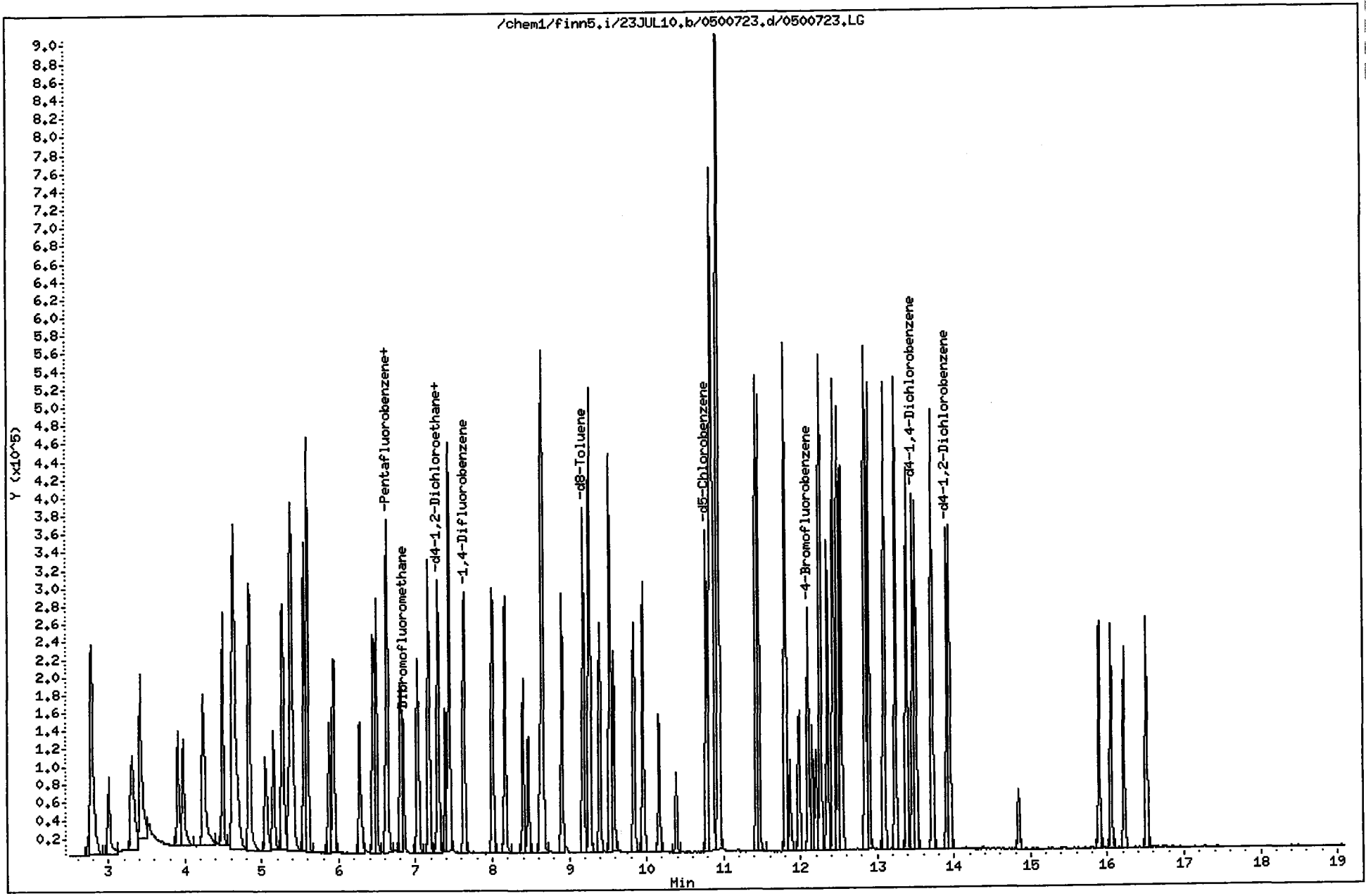
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/0500723.d
Date : 23-JUL-2010 18:42
Client ID: VSTD050
Sample Info: IC0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



R0500723

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/1000723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD100
Inj Date : 23-JUL-2010 18:16
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 18:16 Cal File: 1000723.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.005	(0.454)	182544	100.000	104.02
2 Chloromethane	50	3.306	3.306	(0.499)	423802	100.000	89.759
3 Vinyl Chloride	62	3.417	3.417	(0.516)	367442	100.000	98.412
4 Bromomethane	94	3.909	3.909	(0.590)	208154	100.000	102.66
5 Chloroethane	64	3.980	3.980	(0.601)	210640	100.000	86.388
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	346453	100.000	96.008
7 Acrolein	56	4.633	4.633	(0.700)	197468	500.000	438.68
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	264194	100.000	93.516
9 Acetone	43	4.683	4.683	(0.707)	329833	500.000	435.50
10 1,1-Dichloroethene	96	4.834	4.834	(0.730)	252737	100.000	98.586
11 Bromoethane	108	5.055	5.055	(0.763)	196835	100.000	103.68
12 Iodomethane	142	5.156	5.156	(0.778)	339831	100.000	112.12
13 Methylene Chloride	84	5.276	5.276	(0.797)	251445	100.000	87.107
14 Acrylonitrile	53	5.357	5.357	(0.809)	69928	100.000	104.57(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	417323	100.000	105.86(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	775986	100.000	97.596
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	225901	100.000	103.40
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	420486	100.000	109.89
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	422564	100.000	105.14
	20 2-Butanone	43	6.281	6.281	(0.948)	437209	500.000	513.04
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	258768	100.000	105.22
	22 Cis-1,2-Dichloroethene	96	6.492	6.492	(0.980)	200756	100.000	104.26
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	135334	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	333986	100.000	102.30
	26 Bromochloromethane	128	6.804	6.804	(1.027)	95093	100.000	104.01
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	79364	50.0000	49.203(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	260275	100.000	102.50
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	277625	100.000	102.36
	30 Carbon Tetrachloride	117	7.286	7.286	(0.954)	236579	100.000	100.30
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	86752	50.0000	49.152
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	238783	100.000	100.28
	33 Benzene	78	7.447	7.447	(0.975)	581109	100.000	88.602
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	199732	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	193783	100.000	100.84
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	206742	100.000	99.998
	37 Bromodichloromethane	83	8.402	8.402	(1.100)	221686	100.000	100.29
	39 Dibromomethane	93	8.472	8.472	(1.109)	104013	100.000	101.35
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	77415	100.000	106.92(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.133)	263763	500.000	499.56(Q)
	42 Cis 1,3-dichloropropene	75	8.904	8.904	(1.166)	270130	100.000	111.93
$	43 d8-Toluene	98	9.186	9.186	(1.203)	215653	50.0000	49.139
	44 Toluene	92	9.266	9.266	(1.213)	377962	100.000	97.129(Q)
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.230)	223383	100.000	110.12
	46 2-Hexanone	43	9.527	9.527	(0.884)	517771	500.000	394.32
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.254)	123034	100.000	101.56
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	232506	100.000	102.84
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	175269	100.000	98.211
	50 Chlorodibromomethane	129	10.161	10.161	(0.942)	158474	100.000	104.20
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	131007	100.000	100.96
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	160631	50.0000	
	53 Chlorobenzene	112	10.824	10.824	(1.004)	376912	100.000	100.04
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	573170	100.000	89.962
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	137418	100.000	95.300
	56 m,p-xylene	106	10.944	10.944	(1.015)	516678	200.000	221.87(Q)
	57 o-Xylene	106	11.427	11.427	(1.060)	269989	100.000	111.56(Q)
	58 Styrene	104	11.457	11.457	(1.062)	431090	100.000	115.20
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	588226	100.000	90.704
	60 Bromoform	173	11.869	11.869	(0.881)	103792	100.000	99.542
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	171593	100.000	91.586
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	95036	50.0000	50.553
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	35211	100.000	94.864

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	57625	100.000	100.07
	66 N-Propyl Benzene	91	12.261	12.261	(0.910)	642345	100.000	76.727
	67 Bromobenzene	156	12.351	12.351	(0.917)	184300	100.000	101.94
	68 1,3,5-Trimethyl Benzene	105	12.432	12.432	(0.923)	526617	100.000	100.04
	69 2-Chloro Toluene	91	12.492	12.492	(0.928)	543512	100.000	98.805
	70 4-Chloro Toluene	91	12.542	12.542	(0.931)	505915	100.000	95.947
	71 T-Butyl Benzene	119	12.844	12.844	(0.954)	493329	100.000	109.54
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	539580	100.000	104.12
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	628727	100.000	84.857
	74 4-Isopropyl Toluene	119	13.236	13.236	(0.983)	529249	100.000	104.10
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	347593	100.000	112.54
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	96340	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	341992	100.000	110.65
	78 N-Butyl Benzene	91	13.718	13.718	(1.019)	548418	100.000	99.896
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	86952	50.0000	49.620
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	305695	100.000	104.14
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.844	(1.102)	30455	100.000	93.940
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	175953	100.000	98.499
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	115056	100.000	95.632
	84 Naphthalene	128	16.221	16.221	(1.204)	300283	100.000	92.679
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	158431	100.000	92.767

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 1000723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD100
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	135334	3.22
34 1,4-Difluorobenze	191559	95780	383118	199732	4.27
52 d5-Chlorobenzene	161199	80600	322398	160631	-0.35
76 d4-1,4-Dichlorobe	88279	44140	176558	96340	9.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

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

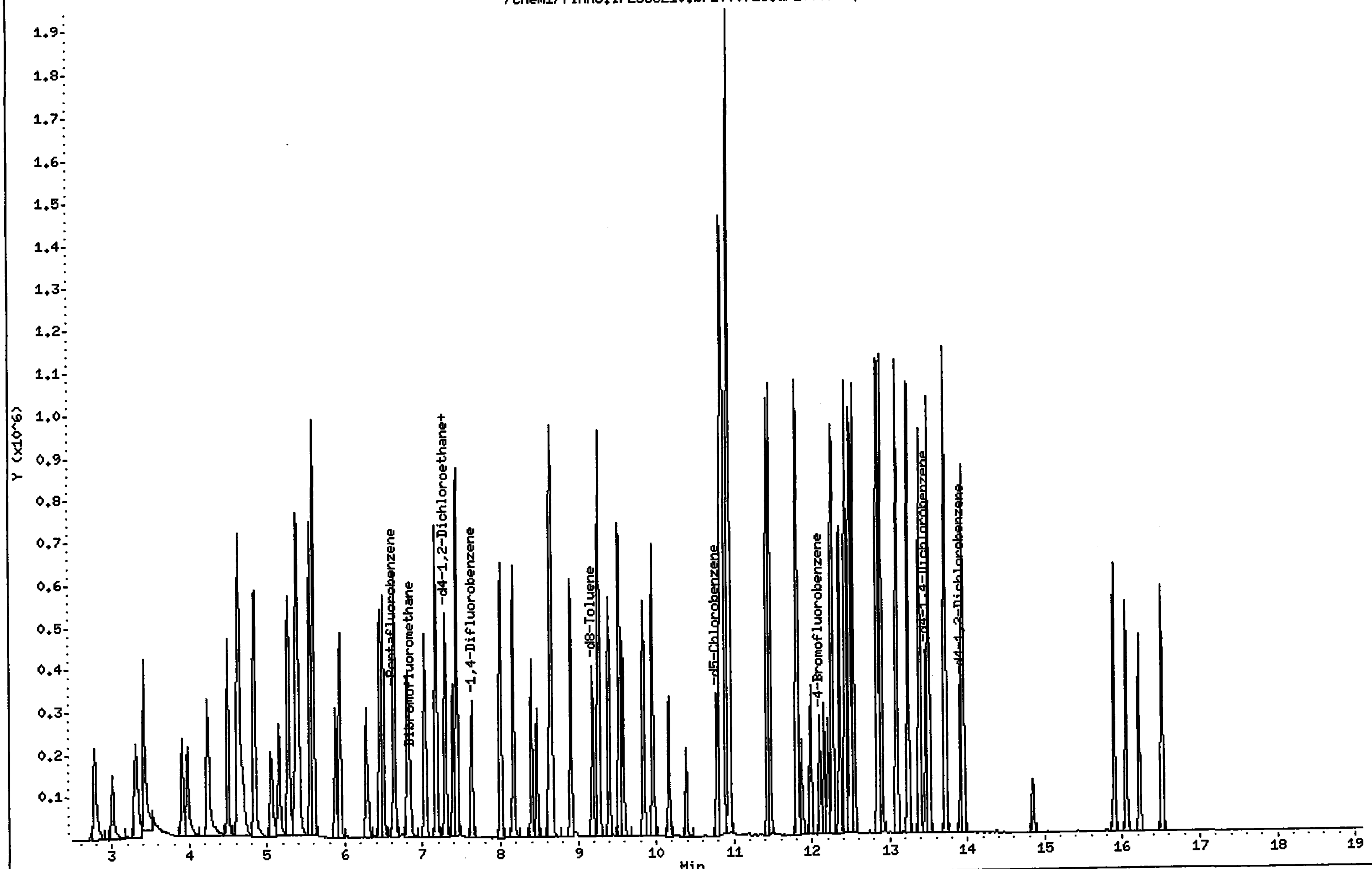
Data File: /chem1/finn5.i/23JUL10.b/1000723.d
Date : 23-JUL-2010 18:16
Client ID: VSTD100
Sample Info: IC0723,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

/chem1/finn5.i/23JUL10.b/1000723.d/1000723.LG



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/1500723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD150
Inj Date : 23-JUL-2010 17:49
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:49 Cal File: 1500723.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	295620	150.000	146.34
2 Chloromethane	50	3.316	3.316	(0.501)	648632	150.000	119.34
3 Vinyl Chloride	62	3.417	3.417	(0.516)	547438	150.000	127.37
4 Bromomethane	94	3.909	3.909	(0.590)	302383	150.000	129.55
5 Chloroethane	64	3.980	3.980	(0.601)	293885	150.000	104.71
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	487082	150.000	117.26
7 Acrolein	56	4.633	4.633	(0.700)	278099	750.000	536.71
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	382218	150.000	117.53
9 Acetone	43	4.683	4.683	(0.707)	476748	750.000	546.84
10 1,1-Dichloroethene	96	4.844	4.844	(0.731)	372564	150.000	126.25
11 Bromoethane	108	5.055	5.055	(0.763)	295924	150.000	135.41
12 Iodomethane	142	5.156	5.156	(0.778)	498041	150.000	142.74
13 Methylene Chloride	84	5.276	5.276	(0.797)	383620	150.000	115.45
14 Acrylonitrile	53	5.357	5.357	(0.809)	107704	150.000	139.92(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.815)	613756	150.000	135.24(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	1021453	150.000	111.60(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	357903	150.000	142.31(Q)
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	559418	150.000	127.00
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	586536	150.000	126.78
	20 2-Butanone	43	6.281	6.281	(0.948)	627000	750.000	639.16
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	409501	150.000	144.65
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.982)	321064	150.000	144.85(Q)
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	155784	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	501605	150.000	133.48
	26 Bromochloromethane	128	6.814	6.814	(1.029)	155161	150.000	147.44
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	89065	50.0000	47.969(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	410583	150.000	140.47
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	432896	150.000	139.46
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	377891	150.000	140.00
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	96098	50.0000	47.300
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	373218	150.000	136.97
	33 Benzene	78	7.447	7.447	(0.975)	746304	150.000	99.432
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	228573	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	307337	150.000	139.76
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	322596	150.000	136.35
	37 Bromodichloromethane	83	8.402	8.402	(1.100)	353775	150.000	139.85
	39 Dibromomethane	93	8.472	8.472	(1.109)	162509	150.000	138.36
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	128070	150.000	154.56(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.653	(1.133)	417853	750.000	691.54(Q)
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	424803	150.000	153.81
$	43 d8-Toluene	98	9.186	9.186	(1.203)	239633	50.0000	47.713
	44 Toluene	92	9.266	9.266	(1.213)	537240	150.000	120.64(Q)
	45 Trans 1,3-Dichloropropene	75	9.397	9.397	(1.230)	359227	150.000	154.74
	46 2-Hexanone	43	9.537	9.537	(0.884)	658433	750.000	450.96(Q)
	47 1,1,2-Trichloroethane	97	9.578	9.578	(1.254)	199640	150.000	144.00
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	362456	150.000	144.18
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	291013	150.000	146.65
	50 Chlorodibromomethane	129	10.171	10.171	(0.943)	256549	150.000	151.70
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	211704	150.000	142.56
*	52 d5-Chlorobenzene	117	10.784	10.784	(1.000)	178614	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.005)	526215	150.000	125.61
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	719154	150.000	101.51(Q)
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.854	(1.007)	235095	150.000	146.62
	56 m,p-xylene	106	10.944	10.944	(1.015)	693534	300.000	267.84(Q)
	57 o-Xylene	106	11.437	11.437	(1.061)	443859	150.000	164.93(Q)
	58 Styrene	104	11.467	11.467	(1.063)	604009	150.000	145.16
	59 Isopropyl Benzene	105	11.809	11.809	(0.877)	765486	150.000	92.525
	60 Bromoform	173	11.869	11.869	(0.881)	184206	150.000	138.48
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	287454	150.000	120.26
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	109555	50.0000	52.409
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	59137	150.000	124.89

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	94977	150.000	129.29
	66 N-Propyl Benzene	91	12.271	12.271	(0.911)	798434	150.000	74.759(Q)
	67 Bromobenzene	156	12.351	12.351	(0.917)	321436	150.000	139.37(Q)
	68 1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.924)	708315	150.000	105.47(Q)
	69 2-Chloro Toluene	91	12.502	12.502	(0.928)	729939	150.000	104.02
	70 4-Chloro Toluene	91	12.542	12.542	(0.931)	684866	150.000	101.81
	71 T-Butyl Benzene	119	12.854	12.854	(0.954)	722068	150.000	125.68
	72 1,2,4-Trimethylbenzene	105	12.894	12.894	(0.957)	731940	150.000	110.71(Q)
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	812152	150.000	85.922
	74 4-Isopropyl Toluene	119	13.246	13.246	(0.984)	739478	150.000	114.02
	75 1,3-Dichlorobenzene	146	13.387	13.387	(0.994)	545268	150.000	138.38
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	122904	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	547350	150.000	138.82
	78 N-Butyl Benzene	91	13.718	13.718	(1.019)	717047	150.000	102.38(Q)
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.909	(1.033)	108113	50.0000	48.361
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	516441	150.000	137.91
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.103)	50577	150.000	122.29
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	304271	150.000	133.52
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	204107	150.000	132.98
	84 Naphthalene	128	16.221	16.221	(1.204)	474513	150.000	114.80
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	271577	150.000	124.65

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 1500723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD150
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	155784	18.81
34 1,4-Difluorobenze	191559	95780	383118	228573	19.32
52 d5-Chlorobenzene	161199	80600	322398	178614	10.80
76 d4-1,4-Dichlorobe	88279	44140	176558	122904	39.22

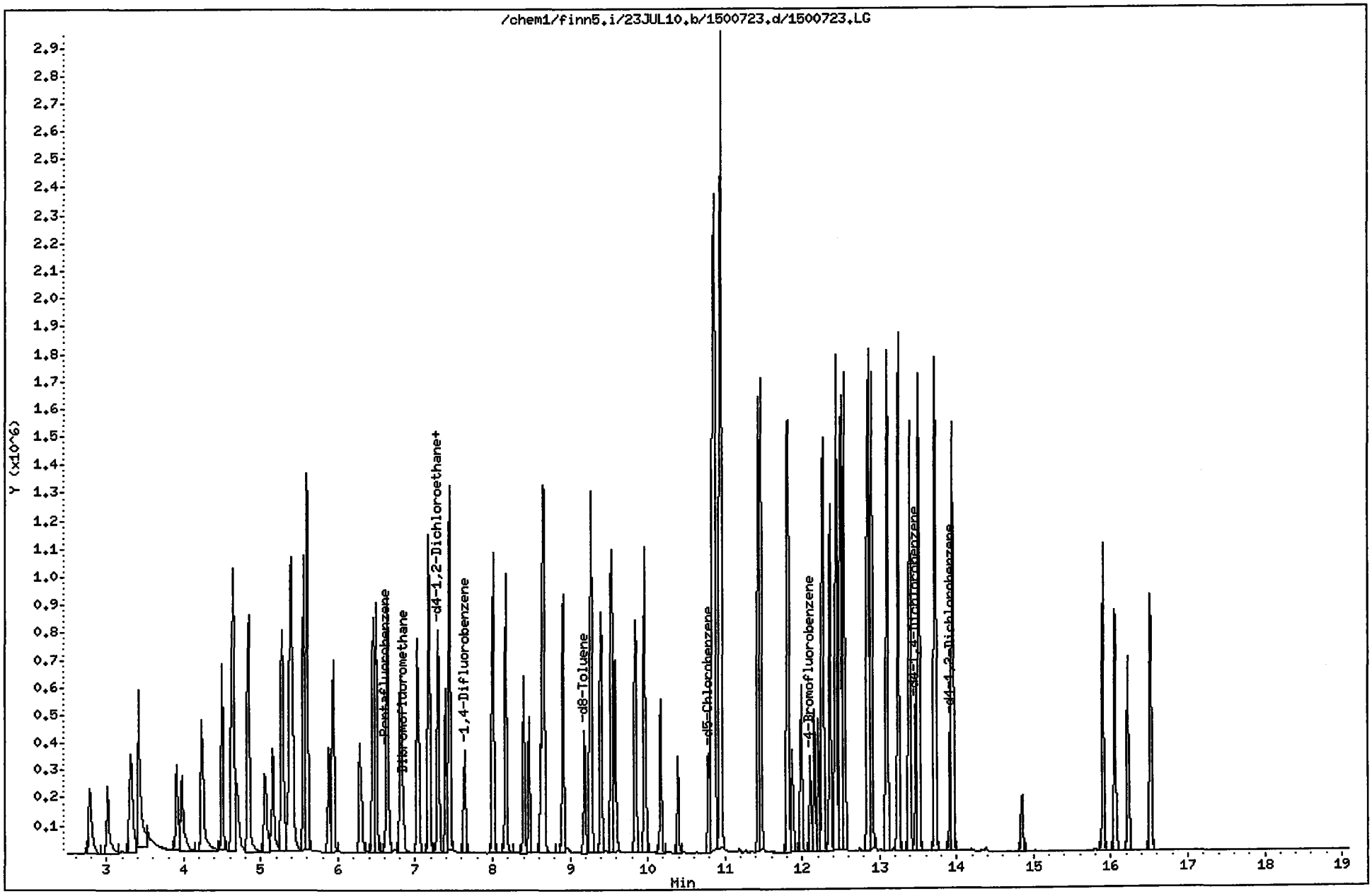
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

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

Data File: /chem1/finn5.i/23JUL10.b/1500723.d
Date : 23-JUL-2010 17:49
Client ID: VSTD150
Sample Info: IC0723,5,5,0

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

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/2000723.d
Lab Smp Id: IC0723 Client Smp ID: VSTD200
Inj Date : 23-JUL-2010 17:18
Operator : PB Inst ID: finn5.i
Smp Info : IC0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	382873	200.000	185.53
2 Chloromethane	50	3.316	3.316	(0.501)	831334	200.000	149.72
3 Vinyl Chloride	62	3.417	3.417	(0.516)	675701	200.000	153.89
4 Bromomethane	94	3.909	3.909	(0.590)	368903	200.000	154.71
5 Chloroethane	64	3.980	3.980	(0.601)	364783	200.000	127.22
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	615782	200.000	145.11
7 Acrolein	56	4.633	4.633	(0.700)	343518	1000.00	648.94
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	482521	200.000	145.24
9 Acetone	43	4.693	4.693	(0.709)	560993	1000.00	629.87
10 1,1-Dichloroethene	96	4.844	4.844	(0.731)	470540	200.000	156.08(Q)
11 Bromoethane	108	5.055	5.055	(0.763)	376320	200.000	168.56
12 Iodomethane	142	5.156	5.156	(0.778)	652382	200.000	183.02
13 Methylene Chloride	84	5.276	5.276	(0.797)	495091	200.000	145.85(Q)
14 Acrylonitrile	53	5.367	5.367	(0.810)	139945	200.000	177.96(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.407	5.407	(0.816)	732622	200.000	158.02(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	1217955	200.000	130.26(Q)
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	459768	200.000	178.95(Q)
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	672353	200.000	149.42
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	680449	200.000	143.96
	20 2-Butanone	43	6.291	6.291	(0.950)	785164	1000.00	783.47
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	544411	200.000	188.24
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.982)	438984	200.000	193.86
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	159149	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	610807	200.000	159.10
	26 Bromochloromethane	128	6.814	6.814	(1.029)	213240	200.000	198.34
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	84837	50.0000	44.726(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	549252	200.000	183.94
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	545791	200.000	175.44
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	522753	200.000	193.23
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	89066	50.0000	42.912
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	485007	200.000	177.58
	33 Benzene	78	7.447	7.447	(0.975)	870526	200.000	115.72
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	229095	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	422519	200.000	191.70
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	435024	200.000	183.44
	37 Bromodichloromethane	83	8.412	8.412	(1.101)	471123	200.000	185.82
	39 Dibromomethane	93	8.472	8.472	(1.109)	228343	200.000	193.98
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	181565	200.000	218.62(Q)
	41 4-Methyl-2-Pentanone	58	8.663	8.663	(1.134)	536767	1000.00	886.32(Q)
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	522307	200.000	188.68
$	43 d8-Toluene	98	9.186	9.186	(1.203)	239843	50.0000	47.646
	44 Toluene	92	9.276	9.276	(1.214)	647650	200.000	145.10(Q)
	45 Trans 1,3-Dichloropropene	75	9.407	9.407	(1.232)	465557	200.000	200.09
	46 2-Hexanone	43	9.537	9.537	(0.884)	763183	1000.00	544.40(Q)
	47 1,1,2-Trichloroethane	97	9.588	9.588	(1.255)	280030	200.000	201.53
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	469237	200.000	194.40
	49 Tetrachloroethene	166	9.960	9.960	(0.923)	404966	200.000	212.54
	50 Chlorodibromomethane	129	10.171	10.171	(0.942)	362369	200.000	223.17
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	296560	200.000	199.25
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	171495	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.004)	637891	200.000	158.58
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	844494	200.000	124.15(Q)
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.864	(1.007)	337259	200.000	219.07
	56 m,p-xylene	106	10.944	10.944	(1.014)	845893	400.000	340.24(Q)
	57 o-Xylene	106	11.437	11.437	(1.060)	593625	200.000	229.74(Q)
	58 Styrene	104	11.467	11.467	(1.062)	750474	200.000	187.84(Q)
	59 Isopropyl Benzene	105	11.819	11.819	(0.878)	880078	200.000	89.802(Q)
	60 Bromoform	173	11.879	11.879	(0.882)	275819	200.000	175.04
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	411745	200.000	145.43
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	119170	50.0000	59.375
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	85172	200.000	151.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	138249	200.000	158.87
	66 N-Propyl Benzene	91	12.271	12.271	(0.911)	919942	200.000	72.715(Q)
	67 Bromobenzene	156	12.361	12.361	(0.918)	475914	200.000	174.20(Q)
	68 1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.924)	843459	200.000	106.02(Q)
	69 2-Chloro Toluene	91	12.502	12.502	(0.928)	835546	200.000	100.51(Q)
	70 4-Chloro Toluene	91	12.552	12.552	(0.932)	905693	200.000	113.66(Q)
	71 T-Butyl Benzene	119	12.854	12.854	(0.954)	852231	200.000	125.22(Q)
	72 1,2,4-Trimethylbenzene	105	12.904	12.904	(0.958)	866210	200.000	110.61(Q)
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	959505	200.000	85.695(Q)
	74 4-Isopropyl Toluene	119	13.246	13.246	(0.984)	862152	200.000	112.22(Q)
	75 1,3-Dichlorobenzene	146	13.397	13.397	(0.995)	707131	200.000	151.50
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	145587	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	703363	200.000	150.59
	78 N-Butyl Benzene	91	13.728	13.728	(1.019)	866011	200.000	104.39(Q)
$	79 d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.034)	127083	50.0000	47.990
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	673403	200.000	151.80
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.103)	74509	200.000	152.08
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	430578	200.000	159.50
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	315558	200.000	173.56
	84 Naphthalene	128	16.231	16.231	(1.205)	551716	200.000	112.68
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	376206	200.000	145.77

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: 2000723.d
Lab Smp Id: IC0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: VSTD200
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	159149	21.38
34 1,4-Difluorobenze	191559	95780	383118	229095	19.60
52 d5-Chlorobenzene	161199	80600	322398	171495	6.39
76 d4-1,4-Dichlorobe	88279	44140	176558	145587	64.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.79	0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

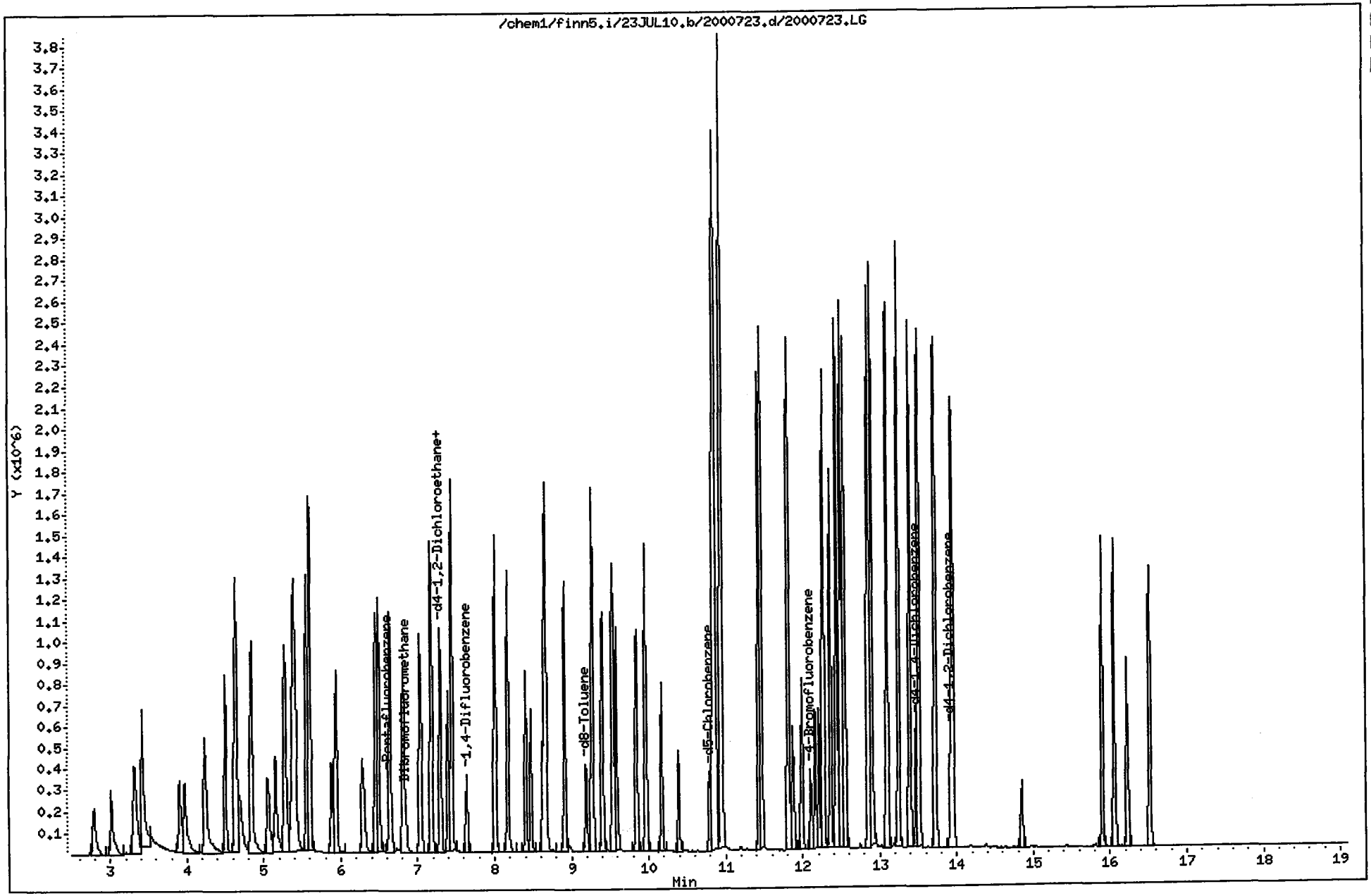
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/finn5.i/23JUL10.b/2000723.d
Date : 23-JUL-2010 17:18
Client ID: VSTD200
Sample Info: IC0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/23JUL10.b/ICV0723.d
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Inj Date : 23-JUL-2010 22:14
Operator : PB Inst ID: finn5.i
Smp Info : ICV0723,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/23JUL10.b/s8260b.m
Meth Date : 29-Jul-2010 14:29 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.005	3.015	(0.454)	88303	52.1032	52.103
2 Chloromethane	50	3.306	3.316	(0.499)	217848	47.7755	47.775
3 Vinyl Chloride	62	3.417	3.417	(0.516)	192357	53.3461	53.346
4 Bromomethane	94	3.909	3.909	(0.590)	122206	62.4063	62.406
5 Chloroethane	64	3.980	3.980	(0.601)	123869	52.6030	52.603
6 Trichlorofluoromethane	101	4.241	4.241	(0.640)	196733	56.4516	56.452
7 Acrolein	56	4.623	4.633	(0.698)	109928	252.871	252.87
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.701)	142159	52.1041	52.104
9 Acetone	43	4.683	4.693	(0.707)	183316	250.626	250.63
10 1,1-Dichloroethene	96	4.834	4.844	(0.730)	130784	52.8244	52.824
11 Bromoethane	108	5.055	5.055	(0.763)	98954	53.9712	53.971
12 Iodomethane	142	5.156	5.156	(0.778)	164327	56.1364	56.136
13 Methylene Chloride	84	5.276	5.276	(0.797)	130295	46.7382	46.738
14 Acrylonitrile	53	5.357	5.367	(0.809)	36679	56.7973	56.797(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.407	(0.815)	193967	50.9456	50.946(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.812)	446067	58.0915	58.092
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.839)	107789	51.0864	51.086
	18 Vinyl Acetate	43	5.879	5.879	(0.888)	205828	55.6982	55.698
	19 1,1-Dichloroethane	63	5.940	5.940	(0.897)	207542	53.4687	53.469
	20 2-Butanone	43	6.281	6.291	(0.948)	220070	267.396	267.40
	21 2,2-Dichloropropane	77	6.462	6.462	(0.976)	115299	48.5440	48.544
	22 Cis-1,2-Dichloroethene	96	6.492	6.502	(0.980)	96880	52.0962	52.096
*	23 Pentafluorobenzene	168	6.623	6.623	(1.000)	130699	50.0000	
	24 Chloroform	83	6.643	6.643	(1.003)	163311	51.7971	51.797
	26 Bromochloromethane	128	6.804	6.814	(1.027)	45855	51.9357	51.936
$	25 Dibromofluoromethane	111	6.844	6.844	(1.033)	79530	51.0546	51.055(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.062)	121554	49.5682	49.568
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	128897	48.8768	48.877
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	112147	48.9029	48.903
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.103)	85607	50.2236	50.224
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	113558	49.0506	49.051
	33 Benzene	78	7.437	7.447	(0.974)	327392	51.3396	51.340
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	194200	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	89432	47.8663	47.866
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	96896	48.2020	48.202
	37 Bromodichloromethane	83	8.402	8.412	(1.100)	105966	49.3042	49.304
	39 Dibromomethane	93	8.472	8.472	(1.109)	50061	50.1678	50.168
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	36400	51.7056	51.706(Q)
	41 4-Methyl-2-Pentanone	58	8.653	8.663	(1.133)	124957	243.406	243.40
	42 Cis 1,3-dichloropropene	75	8.904	8.914	(1.166)	119381	50.8758	50.876
$	43 d8-Toluene	98	9.186	9.186	(1.203)	213419	50.0149	50.015
	44 Toluene	92	9.266	9.276	(1.213)	178106	47.0736	47.074
	45 Trans 1,3-Dichloropropene	75	9.397	9.407	(1.230)	97312	49.3376	49.338
	46 2-Hexanone	43	9.527	9.537	(0.884)	302971	230.222	230.22
	47 1,1,2-Trichloroethane	97	9.578	9.588	(1.254)	58163	49.3789	49.379
	48 1,3-Dichloropropane	76	9.839	9.839	(0.912)	111278	49.1112	49.111
	49 Tetrachloroethene	166	9.960	9.960	(0.924)	77284	43.2093	43.209
	50 Chlorodibromomethane	129	10.161	10.171	(0.942)	74343	48.7727	48.773
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	60617	48.0450	48.045
*	52 d5-Chlorobenzene	117	10.784	10.794	(1.000)	160989	50.0000	
	53 Chlorobenzene	112	10.824	10.834	(1.004)	173699	46.0010	46.001
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	323591	50.6763	50.676
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.864	(1.007)	63372	43.8510	43.851
	56 m,p-xylene	106	10.944	10.944	(1.015)	245109	105.022	105.02
	57 o-Xylene	106	11.427	11.437	(1.060)	120691	49.7567	49.757
	58 Styrene	104	11.457	11.467	(1.062)	197449	52.6464	52.646
	59 Isopropyl Benzene	105	11.809	11.819	(0.877)	319484	52.7192	52.719
	60 Bromoform	173	11.869	11.879	(0.881)	46057	47.2689	47.269
	61 1,1,2,2-Tetrachloroethane	83	11.990	11.990	(0.890)	81604	46.6101	46.610
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.123)	92917	49.3160	49.316
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	16385	47.2399	47.240

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	26774	49.7563	49.756
	66 N-Propyl Benzene	91	12.261	12.271	(0.910)	379504	48.5107	48.511
	67 Bromobenzene	156	12.351	12.361	(0.917)	77896	46.1089	46.109
	68 1,3,5-Trimethyl Benzene	105	12.432	12.442	(0.923)	260307	52.9158	52.916
	69 2-Chloro Toluene	91	12.492	12.502	(0.928)	265535	51.6571	51.657
	70 4-Chloro Toluene	91	12.542	12.552	(0.931)	238191	48.3413	48.341
	71 T-Butyl Benzene	119	12.844	12.854	(0.954)	232736	55.3018	55.302
	72 1,2,4-Trimethylbenzene	105	12.894	12.904	(0.957)	256248	52.9143	52.914
	73 S-Butyl Benzene	105	13.095	13.095	(0.972)	356050	51.4252	51.425
	74 4-Isopropyl Toluene	119	13.236	13.246	(0.983)	257043	54.1060	54.106
	75 1,3-Dichlorobenzene	146	13.387	13.397	(0.994)	136992	47.4636	47.464
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.467	(1.000)	90026	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	134851	46.6906	46.691
	78 N-Butyl Benzene	91	13.718	13.728	(1.019)	266189	51.8878	51.888
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.919	(1.033)	82049	50.1059	50.106
	80 1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	130036	47.4052	47.405
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.854	(1.102)	14043	46.3542	46.354
	82 1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	62702	37.5627	37.563(R)
	83 Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	47253	42.0301	42.030
	84 Naphthalene	128	16.221	16.231	(1.204)	125569	41.4735	41.473
	85 1,2,3-Trichlorobenzene	180	16.512	16.512	(1.226)	61205	38.3513	38.351

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: ICV0723.d
Lab Smp Id: ICV0723
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 18:42
Client Smp ID: ICV0723
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	130699	-0.32
34 1,4-Difluorobenze	191559	95780	383118	194200	1.38
52 d5-Chlorobenzene	161199	80600	322398	160989	-0.13
76 d4-1,4-Dichlorobe	88279	44140	176558	90026	1.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.62	0.00
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.78	0.00
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.47	0.00

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 23JUL10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Level: LOW Operator: PB
Data Type: MS DATA SampleType: LCS
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/23JUL10.b/s8260b.m
Misc Info: 10-

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.000	52.103	104.21	53-148
2 Chloromethane	50.000	47.775	95.55	64-125
3 Vinyl Chloride	50.000	53.346	106.69	63-137
4 Bromomethane	50.000	62.406	124.81	57-136
5 Chloroethane	50.000	52.603	105.21	64-131
6 Trichlorofluoromet	50.000	56.452	112.90	69-132
7 Acrolein	250.00	252.87	101.15	54-137
8 112Trichloro122Tri	50.000	52.104	104.21	74-130
9 Acetone	250.00	250.63	100.25	60-131
10 1,1-Dichloroethene	50.000	52.824	105.65	75-126
11 Bromoethane	50.000	53.971	107.94	76-126
12 Iodomethane	50.000	56.136	112.27	65-139
13 Methylene Chloride	50.000	46.738	93.48	70-123
15 Carbon Disulfide	50.000	58.092	116.18	71-129
14 Acrylonitrile	50.000	56.797	113.59	67-125
16 Methyl tert-Butyl	50.000	50.946	101.89	70-120
17 Trans-1,2-Dichloro	50.000	51.086	102.17	80-120
18 Vinyl Acetate	50.000	55.698	111.40	60-136
19 1,1-Dichloroethane	50.000	53.469	106.94	80-120
20 2-Butanone	250.00	267.40	106.96	70-120
21 2,2-Dichloropropan	50.000	48.544	97.09	74-123
22 Cis-1,2-Dichloroet	50.000	52.096	104.19	80-120
24 Chloroform	50.000	51.797	103.59	80-120
26 Bromochloromethane	50.000	51.936	103.87	80-120
27 1,1,1-Trichloroeth	50.000	49.568	99.14	77-121
29 1,1-Dichloropropen	50.000	48.877	97.75	80-120
30 Carbon Tetrachlori	50.000	48.903	97.81	77-122
32 1,2-Dichloroethane	50.000	49.051	98.10	76-120
33 Benzene	50.000	51.340	102.68	80-120
35 Trichloroethene	50.000	47.866	95.73	80-120
36 1,2-Dichloropropan	50.000	48.202	96.40	80-120
37 Bromodichlorometha	50.000	49.304	98.61	77-121
39 Dibromomethane	50.000	50.168	100.34	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	51.706	103.41	10-191
41 4-Methyl-2-Pentano	250.00	243.40	97.36	67-120
42 Cis 1,3-dichloropr	50.000	50.876	101.75	74-120
44 Toluene	50.000	47.074	94.15	80-120
45 Trans 1,3-Dichloro	50.000	49.338	98.68	65-120
46 2-Hexanone	250.00	230.22	92.09	65-130
47 1,1,2-Trichloroeth	50.000	49.379	98.76	80-120
48 1,3-Dichloropropan	50.000	49.111	98.22	80-120
49 Tetrachloroethene	50.000	43.209	86.42	80-121
50 Chlorodibromometha	50.000	48.773	97.55	64-120
51 1,2-Dibromoethane	50.000	48.045	96.09	75-120
53 Chlorobenzene	50.000	46.001	92.00	80-120
55 1,1,1,2-Tetrachlor	50.000	43.851	87.70	69-121
54 Ethyl Benzene	50.000	50.676	101.35	80-127
56 m,p-xylene	100.00	105.02	105.02	80-125
57 o-Xylene	50.000	49.757	99.51	78-120
58 Styrene	50.000	52.646	105.29	80-123
59 Isopropyl Benzene	50.000	52.719	105.44	80-127
60 Bromoform	50.000	47.269	94.54	60-120
61 1,1,2,2-Tetrachlor	50.000	46.610	93.22	74-120
63 1,2,3-Trichloropro	50.000	47.240	94.48	72-121
65 Trans-1,4-Dichloro	50.000	49.756	99.51	65-126
66 N-Propyl Benzene	50.000	48.511	97.02	80-132
67 Bromobenzene	50.000	46.109	92.22	80-120
68 1,3,5-Trimethyl Be	50.000	52.916	105.83	80-125
69 2-Chloro Toluene	50.000	51.657	103.31	80-125
70 4-Chloro Toluene	50.000	48.341	96.68	80-127
71 T-Butyl Benzene	50.000	55.302	110.60	87-122
72 1,2,4-Trimethylben	50.000	52.914	105.83	80-126
73 S-Butyl Benzene	50.000	51.425	102.85	80-134
74 4-Isopropyl Toluen	50.000	54.106	108.21	80-131
75 1,3-Dichlorobenzen	50.000	47.464	94.93	80-120
77 1,4-Dichlorobenzen	50.000	46.691	93.38	80-120
78 N-Butyl Benzene	50.000	51.888	103.78	80-138
80 1,2-Dichlorobenzen	50.000	47.405	94.81	80-120
81 1,2-Dibromo 3-Chlo	50.000	46.354	92.71	59-120
82 1,2,4-Trichloroben	50.000	37.563	75.13*	78-130
83 Hexachloro 1,3-But	50.000	42.030	84.06	76-129
84 Naphthalene	50.000	41.473	82.95	66-120
85 1,2,3-Trichloroben	50.000	38.351	76.70	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.055	102.11	30-160

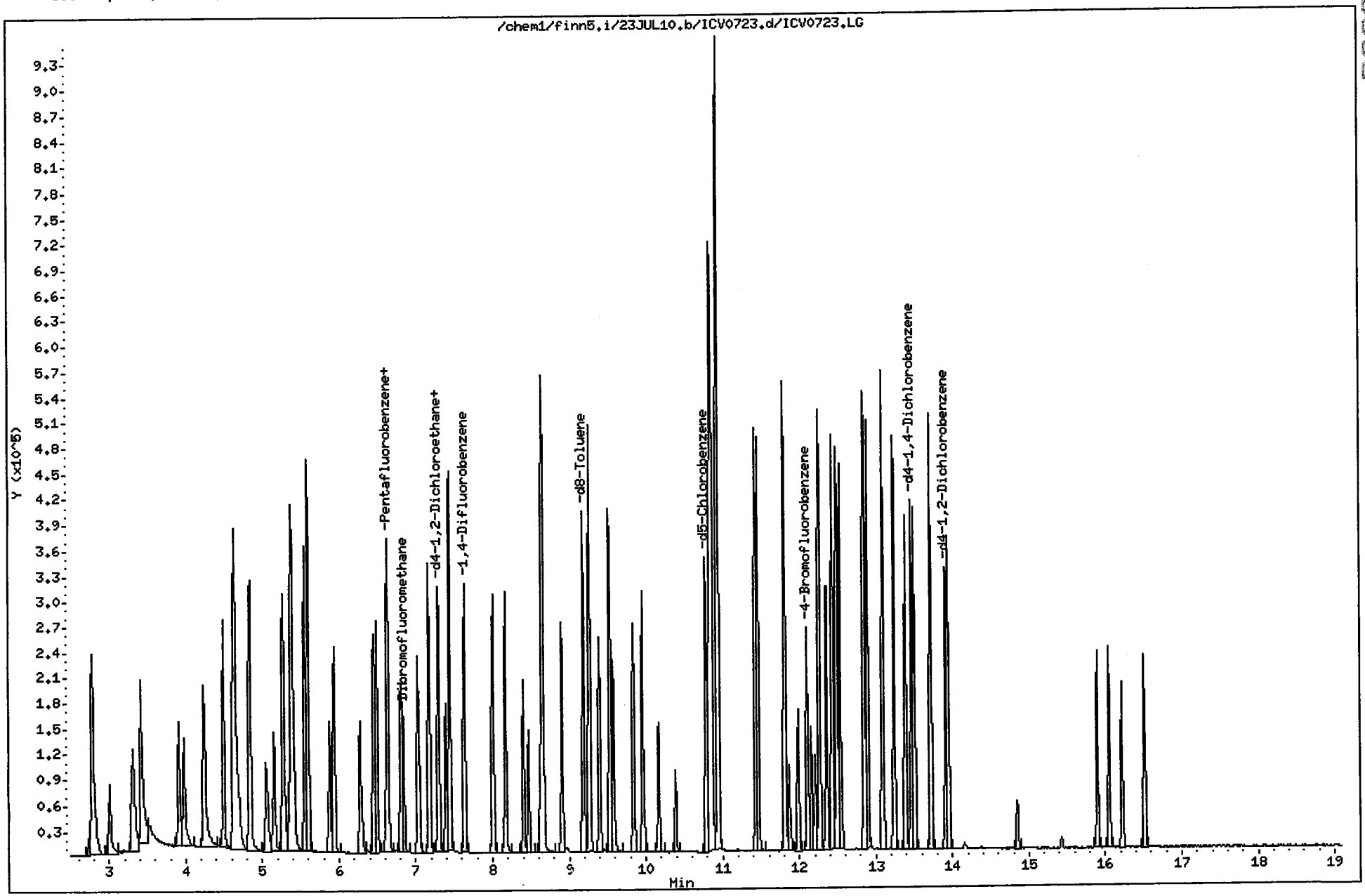
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	50.224	100.45	75-152
$ 43 d8-Toluene	50.000	50.015	100.03	82-115
$ 62 4-Bromofluorobenze	50.000	49.316	98.63	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.106	100.21	80-120

Data File: /chem1/finn5.i/23JUL10.b/ICV0723.d
Date : 23-JUL-2010 22:14
Client ID: ICV0723
Sample Info: ICV0723,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



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

ARI Job ID: RG60

Analytical Resources, Incorporated
Analytical Chemists and Consultants

VOA Analyst Notes / Corrective Action Log

ARI Project ID: RG60 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-3 NT-5 NT-7 NT-9 NT-10 PID-1 PID-2 PID-3 FID-6 FINN-5

Purge Volume (mL) 5 Curve Date: 7/23/10 Analysis Start Date: 8/4/10

pH ≤ 2.0	YES / NO / NA	Method Blank In Control?	YES / NO
BFB Tune Meets Criteria?	YES / NO / NA (sample G)	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):

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 8/6/10

Reviewer: _____ **Date:** _____

Analytical Resources Inc.: Organics Instrument Log

FINN5 Serial No.: 5500-000421A

Date: 8/4/10 Analysis: 8260C Analyst: JH

GC Program: FS Column No: 821729 Column Type: MTBD624

Instrument Tune (.U or .CT.): BFB0804 EM Voltage: 1648

Calibration File: 0500804 Curve Date: 7/22/10

IS/SS	Ical/Ccal	LCS/ICV
W648-1	W646-2	W646-2

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/finn5.i/04AUG10.b

	Time	Filename	LabID	ClientID	WT									
1	0950	BFB0804.d	BFB0804	BFB0804	0.00									
2	1024	0500804.d	CC0804	VSTD050	5.00	6.63	128572	7.64	187769	10.79	150933	13.48	87344	
3	1107	LCS0804.d	LCS0804	LCS0804	5.00	6.61	136905	7.63	197026	10.77	159081	13.46	90190	
4	1141	LCS0804A.d	LCS0804	LCS0804	5.00	6.63	138668	7.64	207746	10.79	172992	13.47	98470	
5	1208	MB0804.d	MB0804	MB0804	5.00	6.62	124649	7.63	186870	10.78	160706	13.46	78426	
6	1327	RG54A.d	RG54A	PSB14-0-.5-072810	5.00	6.61	124604	7.63	190632	10.77	148391	13.46	55041	
7	1351	RG54B.d	RG54B	PSB14-1.5-2.0-07281	5.00	6.63	127471	7.64	200523	10.79	177766	13.47	90298	
8	1447	RG54C.d	RG54C	PSB14-2-4-072810	5.00	6.62	134260	7.64	202723	10.78	168315	13.47	71184	
9	1511	RG54E.d	RG54E	PSB14-7-9-072810	5.00	6.63	128932	7.64	191270	10.79	129652	13.47	40291	
10	1537	RG54F.d	RG54F	PSB14-12-14-072810	5.00	6.61	134487	7.63	206649	10.77	182688	13.46	89531	
11	1604	RG54G.d	RG54G	PSB14-TB	1	6.62	133581	7.64	203833	10.78	178411	13.47	87420	
12	1630	RG54H.d	RG54H	PSB17-0-0.5-072810	5.00	6.63	140784	7.65	217805	10.79	189133	13.48	93367	
13	1657	RG54I.d	RG54I	PSB17-1.5-2-072810	5.00	6.61	136382	7.63	207857	10.77	179355	13.46	87784	
14	1723	RG54J.d	RG54J	PSB17-2-4-072810	5.00	6.61	137301	7.63	211993	10.77	184003	13.46	91153	
15	1750	RG54K.d	RG54K	PSB17-4-6-072810	5.00	6.63	151986	7.65	224135	10.79	194637	13.48	99445	
16	1816	RG54L.d	RG54L	PSB17-10-13-072810	5.00	6.62	147100	7.63	228084	10.78	198529	13.47	99405	
17	1843	RG60A.d	RG60A	PSB13-0-0.5-072910	5.00	6.63	126291	7.65	186357	10.79	146593	13.48	52760	
18	1909	RG60B.d	RG60B	PSB13-1.5-2-072910	5.00	6.63	171148	7.65	253323	10.79	212637	13.48	101533	
19	1936	RG60C.d	RG60C	PSB13-2-4-072910	5.00	6.63	152970	7.64	230211	10.79	196779	13.47	87983	
20	2002	RG60D.d	RG60D	PSB13-4-6-072910	5.00	6.63	162030	7.64	246819	10.79	207441	13.47	102315	
21	2029	RG60E.d	RG60E	PSB13-11-13-072910	5.00	6.63	148872	7.64	226474	10.79	192703	13.48	95934	
22	2055	RG60F.d	RG60F	PSB13-14.5-16.5-072	5.00	6.61	150285	7.63	227925	10.77	199596	13.46	100629	
23	2121	RG60G.d	RG60G	PSB13-TB	1	6.63	146440	7.65	219414	10.79	185559	13.48	89236	

Maint

Mainter

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/04AUG10.b

ARI Job No.: BFB0 Method: bfb8260.m Instrument: finn5.i Date: 04-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0950	BFB0804.d	BFB0804	BFB0804	1	NO MANUAL INTEGRATION
1024	0500804.d	CC0804	VSTD050	1	NO MANUAL INTEGRATION
1107	LCS0804.d	LCS0804	LCS0804	1	NO MANUAL INTEGRATION
1141	LCS0804A.d	LCS0804	LCS0804	1	NO MANUAL INTEGRATION
1208	MB0804.d	MB0804	MB0804	1	NO MANUAL INTEGRATION
1327	RG54A.d	RG54A	PSB14-0-.5	1	NO MANUAL INTEGRATION
1351	RG54B.d	RG54B	PSB14-1.5-	1	NO MANUAL INTEGRATION
1447	RG54C.d	RG54C	PSB14-2-4-	1	NO MANUAL INTEGRATION
1511	RG54E.d	RG54E	PSB14-7-9-	1	NO MANUAL INTEGRATION
1537	RG54F.d	RG54F	PSB14-12-1	1	NO MANUAL INTEGRATION
1604	RG54G.d	RG54G	PSB14-TB	1	NO MANUAL INTEGRATION
1630	RG54H.d	RG54H	PSB17-0-0.	1	NO MANUAL INTEGRATION
1657	RG54I.d	RG54I	PSB17-1.5-	1	NO MANUAL INTEGRATION
1723	RG54J.d	RG54J	PSB17-2-4-	1	NO MANUAL INTEGRATION
1750	RG54K.d	RG54K	PSB17-4-6-	1	NO MANUAL INTEGRATION
1816	RG54L.d	RG54L	PSB17-10-1	1	NO MANUAL INTEGRATION
1843	RG60A.d	RG60A	PSB13-0-0.	1	NO MANUAL INTEGRATION
1909	RG60B.d	RG60B	PSB13-1.5-	1	NO MANUAL INTEGRATION
1936	RG60C.d	RG60C	PSB13-2-4-	1	NO MANUAL INTEGRATION
2002	RG60D.d	RG60D	PSB13-4-6-	1	NO MANUAL INTEGRATION
2029	RG60E.d	RG60E	PSB13-11-1	1	NO MANUAL INTEGRATION

2055	RG60F.d	RG60F	PSB13-14.5	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/finn5.i/04AUG10.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2121	RG60G.d	RG60G	PSB13-TB	1	NO MANUAL INTEGRATION

Q-FLAG SUMMARY FOR DATABATCH - /chem1/finn5.i/04AUG10.b

Instrument: finn5.i Date: 04-AUG-2010 Method: s8260b.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

CONTINUING CAL: 04-AUG-2010

Compound	%D
Bromomethane	38.9
Iodomethane	-20.7
4-Isopropyl Toluene	24.9
N-Butyl Benzene	27.8

Data File: /chem1/finn5.i/04AUG10.b/BFB0804.d

Date : 04-AUG-2010 09:50

Client ID: BFB0804

Instrument: finn5.i

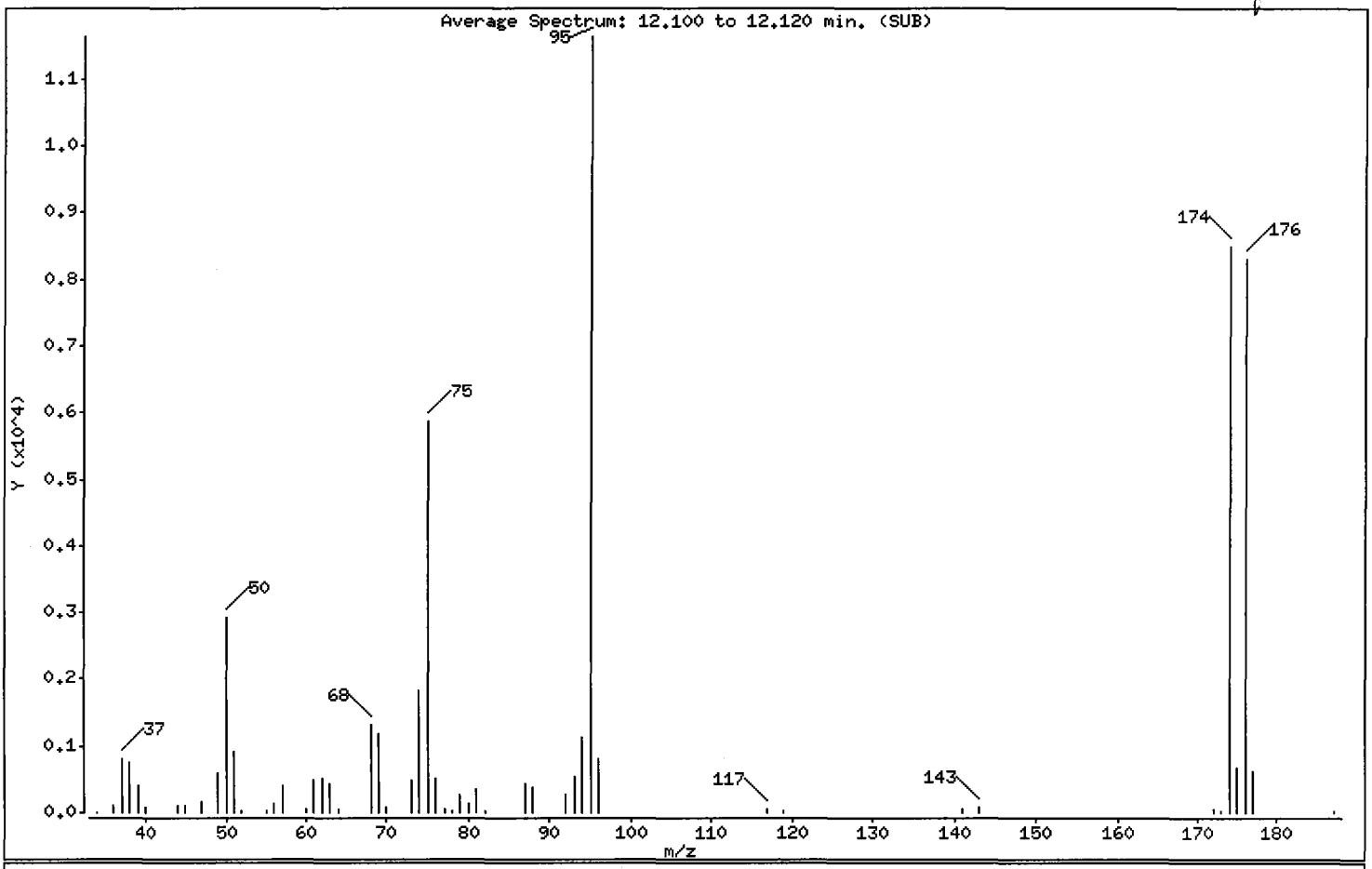
Sample Info: BFB0804,BFB0804,,1,04AUG10,,

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	25.18
75	30.00 - 66.00% of mass 95	50.49
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.22 (0.31)
174	50.00 - 101.00% of mass 95	73.09
175	4.00 - 9.00% of mass 174	5.75 (7.86)
176	93.00 - 101.00% of mass 174	71.37 (97.65)
177	5.00 - 9.00% of mass 176	5.22 (7.32)

Data File: /chem1/finn5.i/04AUG10.b/BFB0804.d

Date : 04-AUG-2010 09:50

Client ID: BFB0804

Instrument: finn5.i

Sample Info: BFB0804,BFB0804,,1,04AUG10,,

Operator: PB

Column phase: RTX502.2

Column diameter: 0.18

Data File: BFB0804.d
Spectrum: Average Spectrum: 12.100 to 12.120 min. (SUB)
Location of Maximum: 95.00
Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
34.00	9	56.00	145	77.00	47	119.00	23
36.00	115	57.00	410	78.00	29	141.00	47
37.00	816	60.00	47	79.00	268	143.00	77
38.00	752	61.00	472	80.00	128	172.00	52
39.00	409	62.00	513	81.00	340	173.00	26
40.00	70	63.00	417	82.00	36	174.00	8509
44.00	101	64.00	66	87.00	438	175.00	669
45.00	114	68.00	1325	88.00	382	176.00	8309
47.00	148	69.00	1192	92.00	265	177.00	608
49.00	597	70.00	89	93.00	542	187.00	23
50.00	2931	73.00	483	94.00	1139		
51.00	924	74.00	1837	95.00	11642		
52.00	20	75.00	5878	96.00	795		
55.00	20	76.00	516	117.00	52		

Data File: /chem1/finn5.i/04AUG10.b/BFB0804.d

Date : 04-AUG-2010 09:50

Client ID: BFB0804

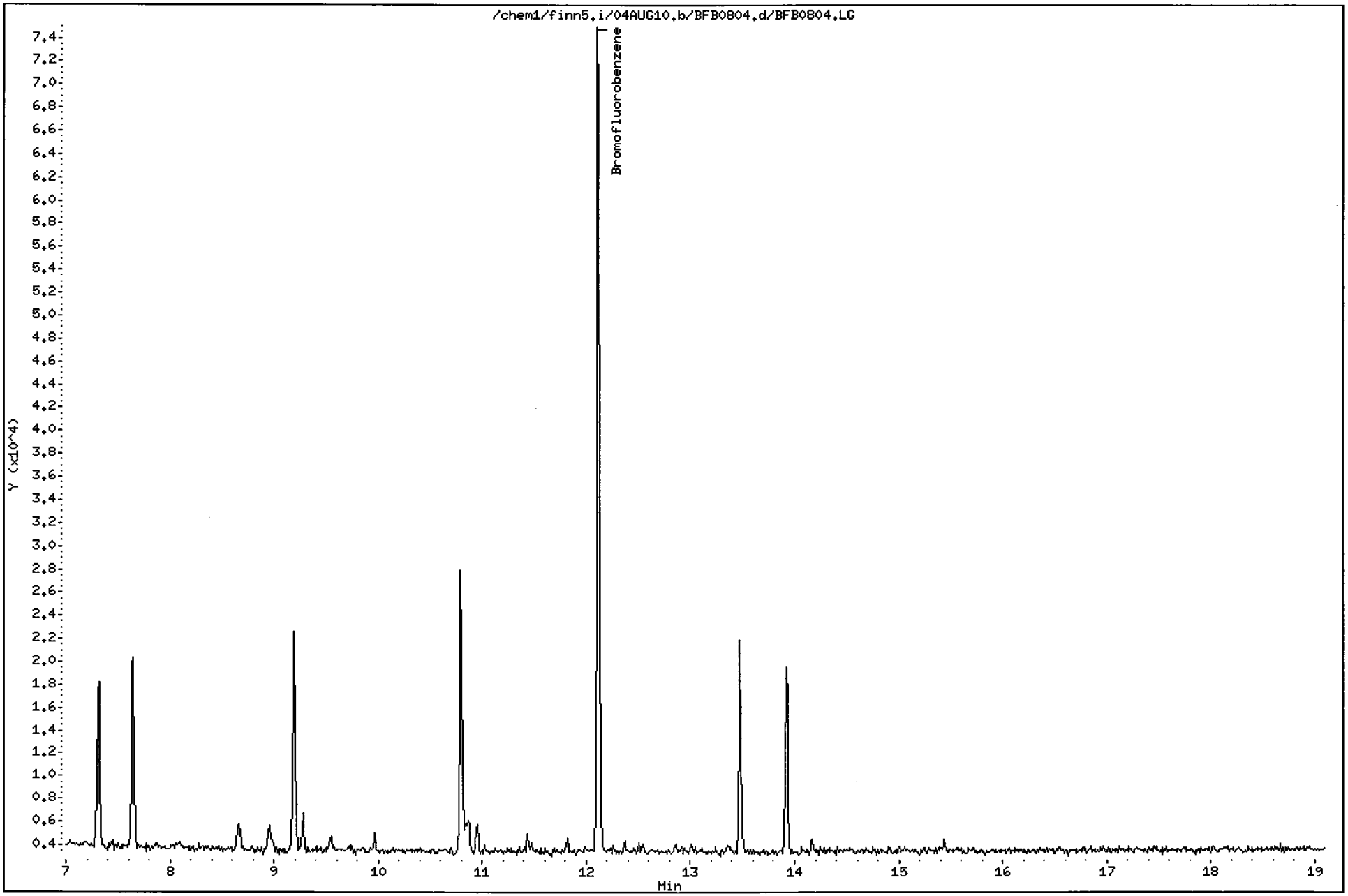
Sample Info: BFB0804,BFB0804,,1,04AUG10,,

Column phase: RTX502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/0500804.d
Lab Smp Id: CC0804 Client Smp ID: VSTD050
Inj Date : 04-AUG-2010 10:24
Operator : PB Inst ID: finn5.i
Smp Info : CC0804,5,5,0
Misc Info : 10-
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 04-Aug-2010 11:22 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	82091	50.0000	49.240
2 Chloromethane	50	3.316	3.316	(0.500)	193707	50.0000	43.184
3 Vinyl Chloride	62	3.427	3.427	(0.517)	184083	50.0000	51.896
4 Bromomethane	94	3.909	3.909	(0.589)	133773	50.0000	69.443
5 Chloroethane	64	3.990	3.990	(0.602)	125419	50.0000	54.142
6 Trichlorofluoromethane	101	4.241	4.241	(0.639)	154667	50.0000	45.115
7 Acrolein	56	4.633	4.633	(0.698)	106377	250.000	248.75
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.700)	142736	50.0000	53.181
9 Acetone	43	4.683	4.683	(0.706)	172562	250.000	239.83
10 1,1-Dichloroethene	96	4.844	4.844	(0.730)	123632	50.0000	50.762
11 Bromoethane	108	5.065	5.065	(0.764)	82083	50.0000	45.510
12 Iodomethane	142	5.166	5.166	(0.779)	114187	50.0000	39.653
13 Methylene Chloride	84	5.276	5.276	(0.795)	129753	50.0000	47.314
14 Acrylonitrile	53	5.357	5.357	(0.808)	35871	50.0000	56.465(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	ON-COL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	5.397	5.397	(0.814)	168900	50.0000	45.096(Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.811)	442813	50.0000	58.622
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.838)	108316	50.0000	52.185
	18 Vinyl Acetate	43	5.879	5.879	(0.886)	202916	50.0000	55.818
	19 1,1-Dichloroethane	63	5.940	5.940	(0.895)	200953	50.0000	52.628
	20 2-Butanone	43	6.281	6.281	(0.947)	211587	250.000	261.34
	21 2,2-Dichloropropane	77	6.462	6.462	(0.974)	106788	50.0000	45.704
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.980)	95798	50.0000	52.366
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	128572	50.0000	
	24 Chloroform	83	6.643	6.643	(1.002)	156437	50.0000	50.438
	26 Bromochloromethane	128	6.814	6.814	(1.027)	40293	50.0000	46.392
$	25 Dibromofluoromethane	111	6.844	6.844	(1.032)	74683	50.0000	48.737(Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.061)	112405	50.0000	46.596
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	129939	50.0000	50.960
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	105344	50.0000	47.510
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.101)	77329	50.0000	46.118
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	113079	50.0000	50.516
	33 Benzene	78	7.447	7.447	(0.975)	323687	50.0000	52.497
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	187769	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	89912	50.0000	49.772
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	95175	50.0000	48.967
	37 Bromodichloromethane	83	8.412	8.412	(1.101)	103457	50.0000	49.786
	39 Dibromomethane	93	8.482	8.482	(1.111)	48335	50.0000	50.098
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	37314	50.0000	54.820
	41 4-Methyl-2-Pentanone	58	8.663	8.663	(1.134)	119924	250.000	241.60
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	119433	50.0000	52.641
$	43 d8-Toluene	98	9.186	9.186	(1.203)	212230	50.0000	51.439
	44 Toluene	92	9.276	9.276	(1.214)	181237	50.0000	49.541
	45 Trans 1,3-Dichloropropene	75	9.407	9.407	(1.232)	96841	50.0000	50.780
	46 2-Hexanone	43	9.537	9.537	(0.884)	292448	250.000	237.03
	47 1,1,2-Trichloroethane	97	9.588	9.588	(1.255)	58328	50.0000	51.215
	48 1,3-Dichloropropane	76	9.849	9.849	(0.912)	111514	50.0000	52.494
	49 Tetrachloroethene	166	9.960	9.960	(0.923)	79949	50.0000	47.678
	50 Chlorodibromomethane	129	10.171	10.171	(0.942)	71566	50.0000	50.079
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	60193	50.0000	49.343
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	150933	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.004)	178295	50.0000	50.364
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	330658	50.0000	55.233
	55 1,1,1,2-Tetrachloroethane	131	10.864	10.864	(1.007)	60264	50.0000	44.479
	56 m,p-xylene	106	10.944	10.944	(1.014)	260742	100.000	119.16
	57 o-Xylene	106	11.437	11.437	(1.060)	125086	50.0000	55.005
	58 Styrene	104	11.467	11.467	(1.062)	208022	50.0000	59.161
	59 Isopropyl Benzene	105	11.819	11.819	(0.877)	328264	50.0000	55.831
	60 Bromoform	173	11.879	11.879	(0.881)	43578	50.0000	46.098
	61 1,1,2,2-Tetrachloroethane	83	12.000	12.000	(0.890)	79260	50.0000	46.661
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	88402	50.0000	50.046
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.902)	15839	50.0000	47.068

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/Kg)	AMOUNTS ON-COL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.906)	30116	50.0000	57.686
66	N-Propyl Benzene	91	12.271	12.271	(0.910)	400826	50.0000	52.809
67	Bromobenzene	156	12.361	12.361	(0.917)	80691	50.0000	49.230
68	1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.923)	282145	50.0000	59.116
69	2-Chloro Toluene	91	12.502	12.502	(0.928)	263744	50.0000	52.884
70	4-Chloro Toluene	91	12.542	12.542	(0.931)	276478	50.0000	57.834
71	T-Butyl Benzene	119	12.854	12.854	(0.954)	243575	50.0000	59.654
72	1,2,4-Trimethylbenzene	105	12.904	12.904	(0.957)	280454	50.0000	59.691
73	S-Butyl Benzene	105	13.095	13.095	(0.972)	386075	50.0000	57.474
74	4-Isopropyl Toluene	119	13.246	13.246	(0.983)	287893	50.0000	62.460
75	1,3-Dichlorobenzene	146	13.397	13.397	(0.994)	160872	50.0000	57.448
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.477	(1.000)	87344	50.0000	
77	1,4-Dichlorobenzene	146	13.507	13.507	(1.002)	155523	50.0000	55.502
78	N-Butyl Benzene	91	13.718	13.718	(1.018)	318089	50.0000	63.908
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.033)	78196	50.0000	49.219
80	1,2-Dichlorobenzene	146	13.949	13.949	(1.035)	144556	50.0000	54.316
81	1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.102)	13019	50.0000	44.295
82	1,2,4-Trichlorobenzene	180	15.899	15.899	(1.180)	86208	50.0000	53.230
83	Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.191)	57253	50.0000	52.488
84	Naphthalene	128	16.231	16.231	(1.204)	142833	50.0000	48.624
85	1,2,3-Trichlorobenzene	180	16.522	16.522	(1.226)	76649	50.0000	49.503

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: 0500804.d
Lab Smp Id: CC0804
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: VSTD050
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	128572	-1.94
34 1,4-Difluorobenze	191559	95780	383118	187769	-1.98
52 d5-Chlorobenzene	161199	80600	322398	150933	-6.37
76 d4-1,4-Dichlorobe	88279	44140	176558	87344	-1.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.62	6.12	7.12	6.63	0.15
34 1,4-Difluorobenze	7.63	7.13	8.13	7.64	0.13
52 d5-Chlorobenzene	10.78	10.28	11.28	10.79	0.09
76 d4-1,4-Dichlorobe	13.47	12.97	13.97	13.48	0.07

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

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i
Lab File ID: 0500804.d
Analysis Type: SOIL
Lab Sample ID: CC0804
Method: /chem1/finn5.i/04AUG10.b/s8260b.m

Injection Date: 04-AUG-2010 10:24
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 17:18 20:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.64835	0.63849	0.010	-1.52095	20.00000	Averaged	
2 Chloromethane	1.74440	1.50661	0.100	-13.63191	20.00000	Averaged	
3 Vinyl Chloride	1.37944	1.43175	0.010	3.79205	20.00000	Averaged	
4 Bromomethane	0.74914	1.04046	0.010	38.88696	20.00000	Averaged	<-
5 Chloroethane	0.90084	0.97548	0.010	8.28469	20.00000	Averaged	
6 Trichlorofluoromethane	1.33321	1.20296	0.010	-9.76946	20.00000	Averaged	
7 Acrolein	0.16631	0.16548	0.010	-0.49947	20.00000	Averaged	
8 112Trichloro122Trifluoroeth	1.04376	1.11017	0.010	6.36246	20.00000	Averaged	
9 Acetone	0.27982	0.26843	0.010	-4.06903	20.00000	Averaged	
10 1,1-Dichloroethene	0.94715	0.96158	0.010	1.52371	20.00000	Averaged	
11 Bromoethane	0.70140	0.63843	0.010	-8.97886	20.00000	Averaged	
12 Iodomethane	1.11986	0.88812	0.010	-20.69330	20.00000	Averaged	<-
13 Methylene Chloride	1.06648	1.00919	0.010	-5.37229	20.00000	Averaged	
14 Acrylonitrile	0.24705	0.27900	0.010	12.93066	20.00000	Averaged	
16 Methyl tert-Butyl Ether	1.45653	1.31366	0.010	-9.80876	20.00000	Averaged	
15 Carbon Disulfide	2.93755	3.44408	0.010	17.24333	20.00000	Averaged	
17 Trans-1,2-Dichloroethene	0.80717	0.84245	0.010	4.37092	20.00000	Averaged	
18 Vinyl Acetate	1.41371	1.57823	0.010	11.63693	20.00000	Averaged	
19 1,1-Dichloroethane	1.48492	1.56297	0.100	5.25567	20.00000	Averaged	
20 2-Butanone	0.31485	0.32913	0.010	4.53684	20.00000	Averaged	
21 2,2-Dichloropropane	0.90863	0.83057	0.010	-8.59113	20.00000	Averaged	
22 Cis-1,2-Dichloroethene	0.71142	0.74509	0.010	4.73295	20.00000	Averaged	
24 Chloroform	1.20617	1.21673	0.010	0.87553	20.00000	Averaged	
26 Bromochloromethane	0.33777	0.31339	0.010	-7.21639	20.00000	Averaged	
$ 25 Dibromofluoromethane	0.59593	0.58087	0.010	-2.52650	20.00000	Averaged	
27 1,1,1-Trichloroethane	0.93813	0.87426	0.010	-6.80814	20.00000	Averaged	
29 1,1-Dichloropropene	0.67899	0.69202	0.010	1.91916	20.00000	Averaged	
30 Carbon Tetrachloride	0.59044	0.56103	0.010	-4.98057	20.00000	Averaged	
$ 31 d4-1,2-Dichloroethane	0.65208	0.60145	0.010	-7.76451	20.00000	Averaged	
32 1,2-Dichloroethane	0.59607	0.60222	0.010	1.03301	20.00000	Averaged	
33 Benzene	1.64186	1.72385	0.010	4.99363	20.00000	Averaged	
35 Trichloroethene	0.48104	0.47885	0.010	-0.45691	20.00000	Averaged	
36 1,2-Dichloropropane	0.51756	0.50687	0.010	-2.06543	20.00000	Averaged	
37 Bromodichloromethane	0.55335	0.55098	0.010	-0.42873	20.00000	Averaged	
39 Dibromomethane	0.25692	0.25742	0.010	0.19547	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i Injection Date: 04-AUG-2010 10:24
Lab File ID: 0500804.d Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 17:18 20:28
Lab Sample ID: CC0804 Quant Type: ISTD
Method: /chem1/finn5.i/04AUG10.b/s8260b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
40 2-Chloroethyl Vinyl Ether	0.18125	0.19873	0.001	9.64043	20.00000	Averaged	
41 4-Methyl-2-Pentanone	0.13218	0.12774	0.010	-3.35884	20.00000	Averaged	
42 Cis 1,3-dichloropropene	0.60415	0.63606	0.010	5.28205	20.00000	Averaged	
$ 43 d8-Toluene	1.09864	1.13027	0.010	2.87886	20.00000	Averaged	
44 Toluene	0.97414	0.96521	0.010	-0.91704	20.00000	Averaged	
45 Trans 1,3-Dichloropropene	0.50782	0.51574	0.010	1.56043	20.00000	Averaged	
46 2-Hexanone	0.40872	0.38752	0.010	-5.18755	20.00000	Averaged	
47 1,1,2-Trichloroethane	0.30327	0.31064	0.010	2.42980	20.00000	Averaged	
48 1,3-Dichloropropane	0.70372	0.73883	0.010	4.98899	20.00000	Averaged	
49 Tetrachloroethene	0.55550	0.52970	0.010	-4.64423	20.00000	Averaged	
50 Chlorodibromomethane	0.47341	0.47416	0.010	0.15842	20.00000	Averaged	
51 1,2-Dibromoethane	0.32484	0.32057	0.010	-1.31325	20.00000	Averaged	
53 Chlorobenzene	1.17275	1.18128	0.300	0.72798	20.00000	Averaged	
54 Ethyl Benzene	1.98319	2.19076	0.010	10.46623	20.00000	Averaged	
55 1,1,1,2-Tetrachloroethane	0.44884	0.39928	0.010	-11.04218	20.00000	Averaged	
56 m,p-xylene	0.72486	0.86377	0.010	19.16346	20.00000	Averaged	
57 o-Xylene	0.75335	0.82876	0.010	10.00927	20.00000	Averaged	
58 Styrene	1.16482	1.37824	0.010	18.32186	20.00000	Averaged	
59 Isopropyl Benzene	3.36576	3.75827	0.010	11.66213	20.00000	Averaged	
60 Bromoform	0.54116	0.49892	0.100	-7.80411	20.00000	Averaged	
61 1,1,2,2-Tetrachloroethane	0.97237	0.90745	0.300	-6.67702	20.00000	Averaged	
$ 62 4-Bromofluorobenzene	0.58517	0.58571	0.010	0.09214	20.00000	Averaged	
63 1,2,3-Trichloropropane	0.19264	0.18134	0.010	-5.86467	20.00000	Averaged	
65 Trans-1,4-Dichloro 2-Butene	0.29886	0.34480	0.010	15.37121	20.00000	Averaged	
66 N-Propyl Benzene	4.34491	4.58903	0.010	5.61846	20.00000	Averaged	
67 Bromobenzene	0.93828	0.92383	0.010	-1.53984	20.00000	Averaged	
68 1,3,5-Trimethyl Benzene	2.73214	3.23026	0.010	18.23187	20.00000	Averaged	
69 2-Chloro Toluene	2.85492	3.01959	0.010	5.76806	20.00000	Averaged	
70 4-Chloro Toluene	2.73658	3.16538	0.010	15.66897	20.00000	Averaged	
71 T-Butyl Benzene	2.33736	2.78867	0.010	19.30838	20.00000	Averaged	
72 1,2,4-Trimethylbenzene	2.68961	3.21090	0.010	19.38155	20.00000	Averaged	
73 S-Butyl Benzene	3.84536	4.42014	0.010	14.94749	20.00000	Averaged	
74 4-Isopropyl Toluene	2.63853	3.29606	0.010	24.92033	20.00000	Averaged	<-
75 1,3-Dichlorobenzene	1.60301	1.84182	0.010	14.89715	20.00000	Averaged	
77 1,4-Dichlorobenzene	1.60408	1.78058	0.010	11.00302	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: finn5.i Injection Date: 04-AUG-2010 10:24
Lab File ID: 0500804.d Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: SOIL Init. Cal. Times: 17:18 20:28
Lab Sample ID: CC0804 Quant Type: ISTD
Method: /chem1/finn5.i/04AUG10.b/s8260b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 N-Butyl Benzene	2.84923	3.64177	0.010	27.81616	20.00000	Averaged	<-
$ 79 d4-1,2-Dichlorobenzene	0.90947	0.89526	0.010	-1.56159	20.00000	Averaged	
80 1,2-Dichlorobenzene	1.52349	1.65502	0.010	8.63309	20.00000	Averaged	
81 1,2-Dibromo 3-Chloropropane	0.16826	0.14906	0.010	-11.41062	20.00000	Averaged	
82 1,2,4-Trichlorobenzene	0.92710	0.98699	0.010	6.46032	20.00000	Averaged	
83 Hexachloro 1,3-Butadiene	0.62441	0.65548	0.010	4.97636	20.00000	Averaged	
84 Naphthalene	1.68157	1.63529	0.010	-2.75186	20.00000	Averaged	
85 1,2,3-Trichlorobenzene	0.88636	0.87755	0.010	-0.99379	20.00000	Averaged	

Data File: /chem1/finn5.i/04AUG10.b/0500804.d

Date : 04-AUG-2010 10:24

Client ID: VSTD050

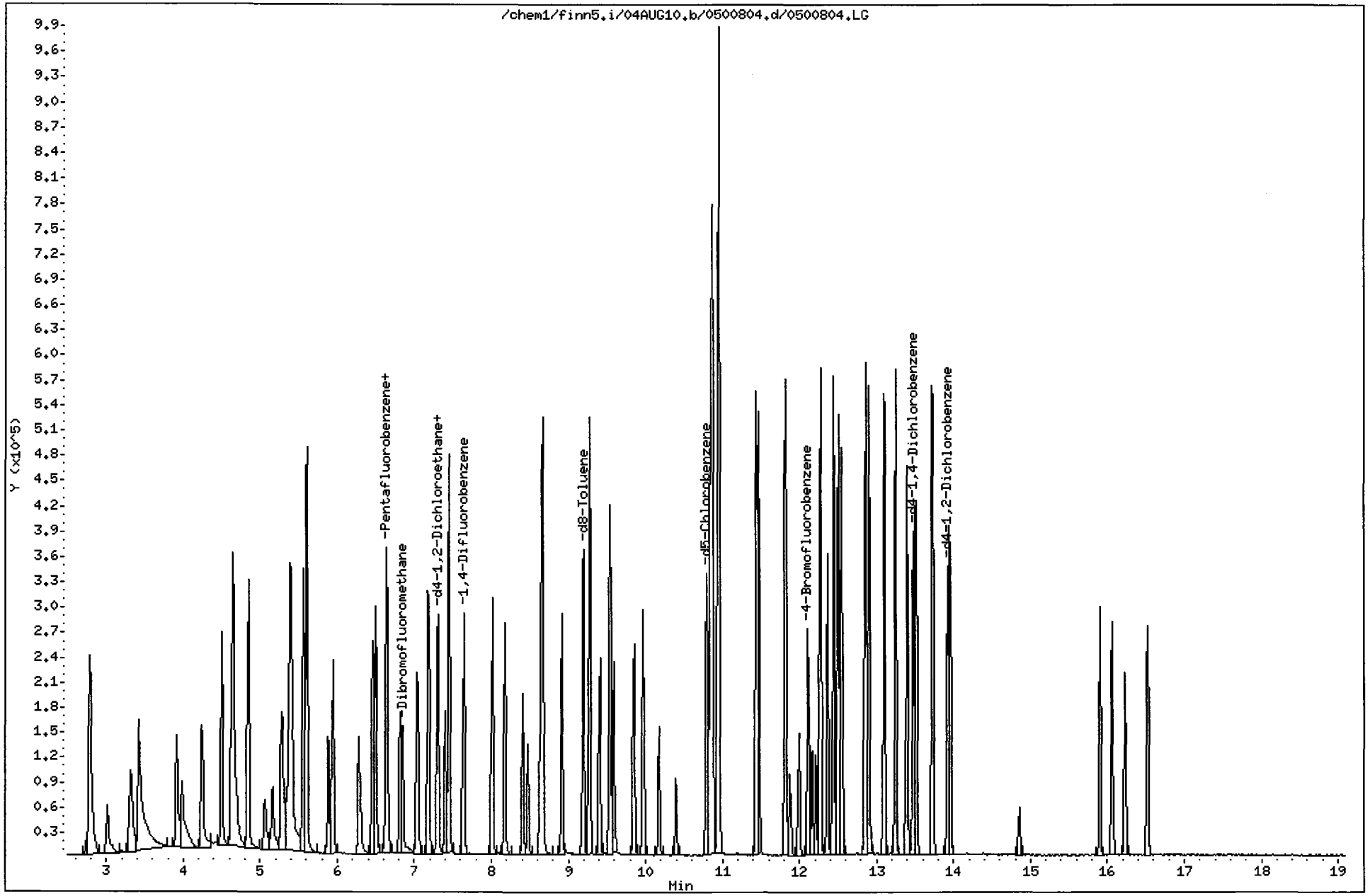
Sample Info: CC0804,5,5,0

Instrument: finn5.i

Operator: PB

Column phase: Rtx502.2

Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/LCS0804.d
Lab Smp Id: LCS0804 Client Smp ID: LCS0804
Inj Date : 04-AUG-2010 11:07
Operator : PB Inst ID: finn5.i
Smp Info : LCS0804,5,5,0
Misc Info : 10-18202
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	2.995	3.015	(0.453)	86280	48.6018	48.602
2 Chloromethane	50	3.296	3.316	(0.498)	202594	42.4161	42.416
3 Vinyl Chloride	62	3.417	3.427	(0.517)	184421	48.8268	48.827
4 Bromomethane	94	3.899	3.909	(0.590)	134304	65.4753	65.475
5 Chloroethane	64	3.970	3.990	(0.600)	124577	50.5055	50.506
6 Trichlorofluoromethane	101	4.231	4.241	(0.640)	188839	51.7301	51.730
7 Acrolein	56	4.613	4.633	(0.698)	111075	243.927	243.93
8 112Trichloro122Trifluoroethane	101	4.633	4.643	(0.701)	148373	51.9165	51.916
9 Acetone	43	4.673	4.683	(0.707)	184988	241.448	241.45
10 1,1-Dichloroethene	96	4.834	4.844	(0.731)	135974	52.4311	52.431
11 Bromoethane	108	5.045	5.065	(0.763)	103153	53.7111	53.711
12 Iodomethane	142	5.146	5.166	(0.778)	188380	61.4361	61.436
13 Methylene Chloride	84	5.266	5.276	(0.796)	131861	45.1558	45.156
14 Acrylonitrile	53	5.347	5.357	(0.808)	37851	55.9552	55.955(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	5.387	5.397	(0.815)	178295	44.7065	44.706 (Q)
	15 Carbon Disulfide	76	5.367	5.377	(0.812)	456326	56.7337	56.734
	17 Trans-1,2-Dichloroethene	96	5.548	5.558	(0.839)	116488	52.7066	52.706
	18 Vinyl Acetate	43	5.869	5.879	(0.888)	208762	53.9313	53.931
	19 1,1-Dichloroethane	63	5.929	5.940	(0.897)	209825	51.6065	51.606
	20 2-Butanone	43	6.271	6.281	(0.948)	218722	253.711	253.71
	21 2,2-Dichloropropane	77	6.452	6.462	(0.976)	112531	45.2309	45.231
	22 Cis-1,2-Dichloroethene	96	6.482	6.502	(0.980)	101372	52.0407	52.041
*	23 Pentafluorobenzene	168	6.613	6.633	(1.000)	136905	50.0000	
	24 Chloroform	83	6.633	6.643	(1.003)	164327	49.7567	49.757
	26 Bromochloromethane	128	6.794	6.814	(1.027)	47181	51.0152	51.015
$	25 Dibromofluoromethane	111	6.834	6.844	(1.033)	77291	47.3681	47.368 (Q)
	27 1,1,1-Trichloroethane	97	7.025	7.035	(1.062)	119466	46.5084	46.508
	29 1,1-Dichloropropene	75	7.166	7.176	(0.939)	136292	50.9397	50.940
	30 Carbon Tetrachloride	117	7.286	7.296	(0.955)	109310	46.9821	46.982
$	31 d4-1,2-Dichloroethane	65	7.296	7.306	(1.103)	80376	45.0172	45.017
	32 1,2-Dichloroethane	62	7.387	7.397	(0.968)	116054	49.4097	49.410
	33 Benzene	78	7.437	7.447	(0.975)	340102	52.5677	52.568
*	34 1,4-Difluorobenzene	114	7.628	7.638	(1.000)	197026	50.0000	
	35 Trichloroethene	95	8.000	8.010	(1.049)	94230	49.7109	49.711
	36 1,2-Dichloropropane	63	8.161	8.171	(1.070)	99611	48.8419	48.842
	37 Bromodichloromethane	83	8.392	8.412	(1.100)	107456	49.2803	49.280
	39 Dibromomethane	93	8.462	8.482	(1.109)	50444	49.8265	49.826
	40 2-Chloroethyl Vinyl Ether	63	8.613	8.623	(1.129)	38651	54.1156	54.116
	41 4-Methyl-2-Pentanone	58	8.643	8.663	(1.133)	124728	239.475	239.48
	42 Cis 1,3-dichloropropene	75	8.894	8.914	(1.166)	125709	52.8042	52.804
$	43 d8-Toluene	98	9.176	9.186	(1.203)	224003	51.7423	51.742
	44 Toluene	92	9.256	9.276	(1.213)	189293	49.3127	49.313
	45 Trans 1,3-Dichloropropene	75	9.387	9.407	(1.231)	99387	49.6668	49.667
	46 2-Hexanone	43	9.527	9.537	(0.884)	295080	226.915	226.91
	47 1,1,2-Trichloroethane	97	9.568	9.588	(1.254)	60719	50.8095	50.810
	48 1,3-Dichloropropane	76	9.829	9.849	(0.912)	115684	51.6681	51.668
	49 Tetrachloroethene	166	9.949	9.960	(0.924)	85090	48.1442	48.144
	50 Chlorodibromomethane	129	10.161	10.171	(0.943)	73641	48.8916	48.892
	51 1,2-Dibromoethane	107	10.382	10.392	(1.361)	61270	47.8660	47.866
*	52 d5-Chlorobenzene	117	10.774	10.794	(1.000)	159081	50.0000	
	53 Chlorobenzene	112	10.824	10.834	(1.005)	186431	49.9650	49.965
	54 Ethyl Benzene	91	10.854	10.864	(1.007)	344895	54.6605	54.660
	55 1,1,1,2-Tetrachloroethane	131	10.844	10.864	(1.007)	62679	43.8917	43.892
	56 m,p-xylene	106	10.934	10.944	(1.015)	269388	116.809	116.81
	57 o-Xylene	106	11.427	11.437	(1.061)	129969	54.2243	54.224
	58 Styrene	104	11.447	11.467	(1.062)	214141	57.7819	57.782
	59 Isopropyl Benzene	105	11.799	11.819	(0.877)	344636	56.7662	56.766
	60 Bromoform	173	11.859	11.879	(0.881)	44984	46.0837	46.084
	61 1,1,2,2-Tetrachloroethane	83	11.980	12.000	(0.890)	81141	46.2614	46.261
$	62 4-Bromofluorobenzene	95	12.100	12.110	(1.123)	91902	49.3623	49.362
	63 1,2,3-Trichloropropane	110	12.150	12.160	(0.903)	16345	47.0389	47.039

	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	12.201	12.211	(0.907)	29468	54.6632	54.663
	66 N-Propyl Benzene	91	12.261	12.271	(0.911)	423723	54.0646	54.064
	67 Bromobenzene	156	12.341	12.361	(0.917)	85826	50.7105	50.710
	68 1,3,5-Trimethyl Benzene	105	12.432	12.442	(0.924)	291300	59.1084	59.108
	69 2-Chloro Toluene	91	12.492	12.502	(0.928)	287375	55.8042	55.804
	70 4-Chloro Toluene	91	12.532	12.542	(0.931)	282129	57.1545	57.154
	71 T-Butyl Benzene	119	12.844	12.854	(0.954)	253777	60.1918	60.192
	72 1,2,4-Trimethylbenzene	105	12.884	12.904	(0.957)	292965	60.3862	60.386
	73 S-Butyl Benzene	105	13.085	13.095	(0.972)	395081	56.9588	56.959
	74 4-Isopropyl Toluene	119	13.236	13.246	(0.984)	305072	64.0990	64.099
	75 1,3-Dichlorobenzene	146	13.377	13.397	(0.994)	169989	58.7889	58.789
*	76 d4-1,4-Dichlorobenzene	152	13.457	13.477	(1.000)	90190	50.0000	
	77 1,4-Dichlorobenzene	146	13.497	13.507	(1.003)	167708	57.9614	57.961
	78 N-Butyl Benzene	91	13.708	13.718	(1.019)	344540	67.0385	67.038
$	79 d4-1,2-Dichlorobenzene	152	13.909	13.919	(1.034)	81295	49.5552	49.555
	80 1,2-Dichlorobenzene	146	13.939	13.949	(1.036)	150614	54.8071	54.807
	81 1,2-Dibromo 3-Chloropropane	75	14.844	14.854	(1.103)	13961	45.9998	46.000
	82 1,2,4-Trichlorobenzene	180	15.889	15.899	(1.181)	96796	57.8819	57.882
	83 Hexachloro 1,3-Butadiene	225	16.040	16.050	(1.192)	61405	54.5185	54.518
	84 Naphthalene	128	16.211	16.231	(1.205)	156723	51.6690	51.669
	85 1,2,3-Trichlorobenzene	180	16.502	16.522	(1.226)	83899	52.4758	52.476

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: LCS0804.d
Lab Smp Id: LCS0804
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18202

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: LCS0804
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	136905	4.42
34 1,4-Difluorobenze	191559	95780	383118	197026	2.85
52 d5-Chlorobenzene	161199	80600	322398	159081	-1.31
76 d4-1,4-Dichlorobe	88279	44140	176558	90190	2.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.61	-0.30
34 1,4-Difluorobenze	7.64	7.14	8.14	7.63	-0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.77	-0.19
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.46	-0.15

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 04AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: LCS0804 Client Smp ID: LCS0804
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/04AUG10.b/s8260b.m
Misc Info: 10-18202

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	48.602	97.20	53-148
2	Chloromethane	50.000	42.416	84.83	64-125
3	Vinyl Chloride	50.000	48.827	97.65	63-137
4	Bromomethane	50.000	65.475	130.95	57-136
5	Chloroethane	50.000	50.506	101.01	64-131
6	Trichlorofluoromet	50.000	51.730	103.46	69-132
7	Acrolein	250.00	243.93	97.57	54-137
8	112Trichloro122Tri	50.000	51.916	103.83	74-130
9	Acetone	250.00	241.45	96.58	60-131
10	1,1-Dichloroethene	50.000	52.431	104.86	75-126
11	Bromoethane	50.000	53.711	107.42	76-126
12	Iodomethane	50.000	61.436	122.87	65-139
13	Methylene Chloride	50.000	45.156	90.31	70-123
15	Carbon Disulfide	50.000	56.734	113.47	71-129
14	Acrylonitrile	50.000	55.955	111.91	67-125
16	Methyl tert-Butyl	50.000	44.706	89.41	70-120
17	Trans-1,2-Dichloro	50.000	52.706	105.41	80-120
18	Vinyl Acetate	50.000	53.931	107.86	60-136
19	1,1-Dichloroethane	50.000	51.606	103.21	80-120
20	2-Butanone	250.00	253.71	101.48	70-120
21	2,2-Dichloropropan	50.000	45.231	90.46	74-123
22	Cis-1,2-Dichloroet	50.000	52.041	104.08	80-120
24	Chloroform	50.000	49.757	99.51	80-120
26	Bromochloromethane	50.000	51.015	102.03	80-120
27	1,1,1-Trichloroeth	50.000	46.508	93.02	77-121
29	1,1-Dichloropropen	50.000	50.940	101.88	80-120
30	Carbon Tetrachlori	50.000	46.982	93.96	77-122
32	1,2-Dichloroethane	50.000	49.410	98.82	76-120
33	Benzene	50.000	52.568	105.14	80-120
35	Trichloroethene	50.000	49.711	99.42	80-120
36	1,2-Dichloropropan	50.000	48.842	97.68	80-120
37	Bromodichlorometha	50.000	49.280	98.56	77-121
39	Dibromomethane	50.000	49.826	99.65	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	54.116	108.23	10-191
41 4-Methyl-2-Pentano	250.00	239.48	95.79	67-120
42 Cis 1,3-dichloropr	50.000	52.804	105.61	74-120
44 Toluene	50.000	49.313	98.63	80-120
45 Trans 1,3-Dichloro	50.000	49.667	99.33	65-120
46 2-Hexanone	250.00	226.91	90.77	65-130
47 1,1,2-Trichloroeth	50.000	50.810	101.62	80-120
48 1,3-Dichloropropan	50.000	51.668	103.34	80-120
49 Tetrachloroethene	50.000	48.144	96.29	80-121
50 Chlorodibromometha	50.000	48.892	97.78	64-120
51 1,2-Dibromoethane	50.000	47.866	95.73	75-120
53 Chlorobenzene	50.000	49.965	99.93	80-120
55 1,1,1,2-Tetrachlor	50.000	43.892	87.78	69-121
54 Ethyl Benzene	50.000	54.660	109.32	80-127
56 m,p-xylene	100.00	116.81	116.81	80-125
57 o-Xylene	50.000	54.224	108.45	78-120
58 Styrene	50.000	57.782	115.56	80-123
59 Isopropyl Benzene	50.000	56.766	113.53	80-127
60 Bromoform	50.000	46.084	92.17	60-120
61 1,1,2,2-Tetrachlor	50.000	46.261	92.52	74-120
63 1,2,3-Trichloropro	50.000	47.039	94.08	72-121
65 Trans-1,4-Dichloro	50.000	54.663	109.33	65-126
66 N-Propyl Benzene	50.000	54.064	108.13	80-132
67 Bromobenzene	50.000	50.710	101.42	80-120
68 1,3,5-Trimethyl Be	50.000	59.108	118.22	80-125
69 2-Chloro Toluene	50.000	55.804	111.61	80-125
70 4-Chloro Toluene	50.000	57.154	114.31	80-127
71 T-Butyl Benzene	50.000	60.192	120.38	87-122
72 1,2,4-Trimethylben	50.000	60.386	120.77	80-126
73 S-Butyl Benzene	50.000	56.959	113.92	80-134
74 4-Isopropyl Toluen	50.000	64.099	128.20	80-131
75 1,3-Dichlorobenzen	50.000	58.789	117.58	80-120
77 1,4-Dichlorobenzen	50.000	57.961	115.92	80-120
78 N-Butyl Benzene	50.000	67.038	134.08	80-138
80 1,2-Dichlorobenzen	50.000	54.807	109.61	80-120
81 1,2-Dibromo 3-Chlo	50.000	46.000	92.00	59-120
82 1,2,4-Trichloroben	50.000	57.882	115.76	78-130
83 Hexachloro 1,3-But	50.000	54.518	109.04	76-129
84 Naphthalene	50.000	51.669	103.34	66-120
85 1,2,3-Trichloroben	50.000	52.476	104.95	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	47.368	94.74	30-160

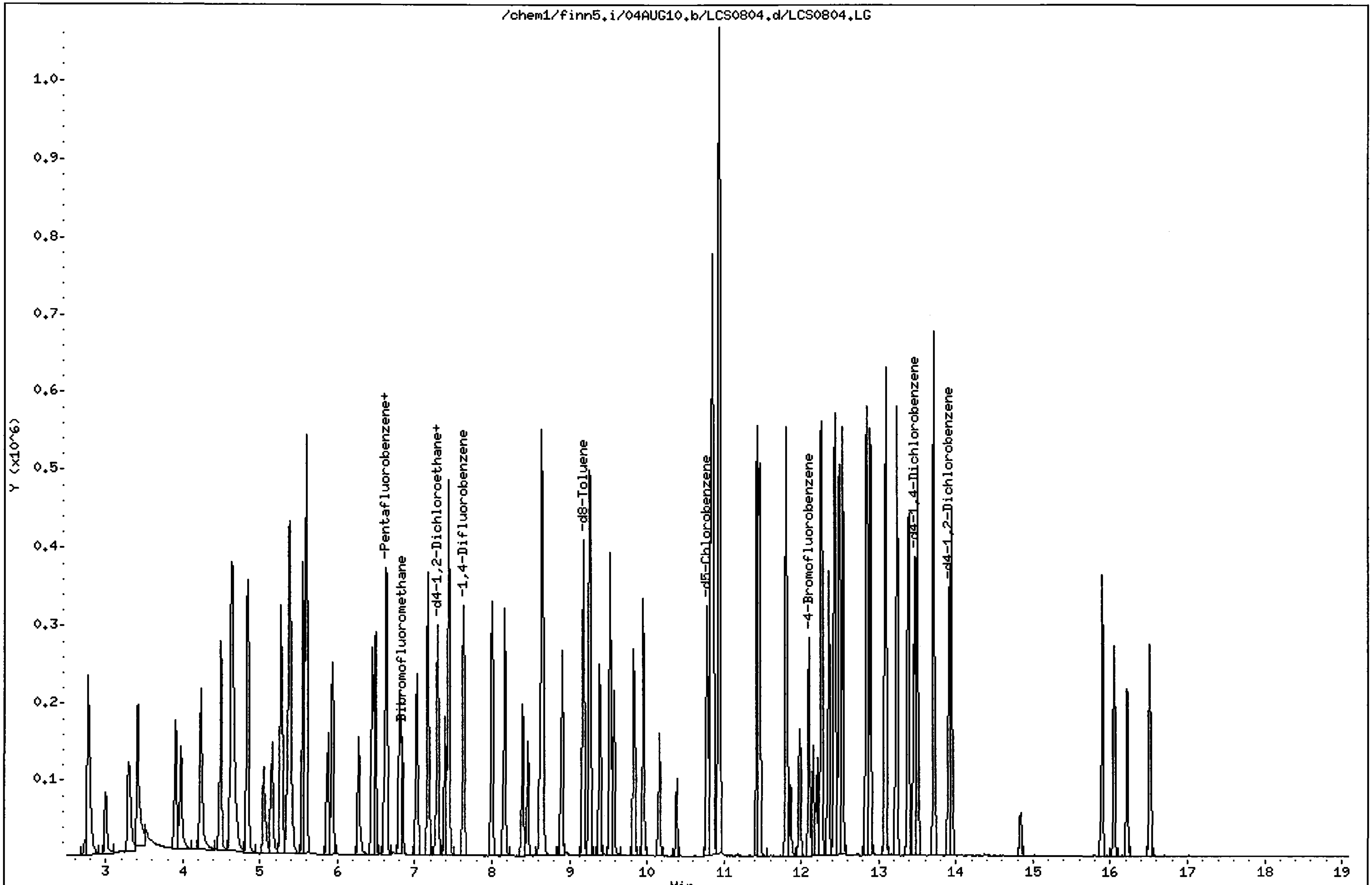
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	45.017	90.03	75-152
$ 43 d8-Toluene	50.000	51.742	103.48	82-115
$ 62 4-Bromofluorobenze	50.000	49.362	98.72	64-120
$ 79 d4-1,2-Dichloroben	50.000	49.555	99.11	80-120

Data File: /chem1/finn5.i/04AUG10.b/LCS0804.d
Date : 04-AUG-2010 11:07
Client ID: LCS0804
Sample Info: LCS0804,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/LCS0804A.d
Lab Smp Id: LCS0804 Client Smp ID: LCS0804
Inj Date : 04-AUG-2010 11:41
Operator : PB Inst ID: finn5.i
Smp Info : LCS0804,5,5,0
Misc Info : 10-18202
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	3.015	3.015	(0.455)	86224	47.9527	47.953
2 Chloromethane	50	3.316	3.316	(0.500)	202812	41.9219	41.922
3 Vinyl Chloride	62	3.427	3.427	(0.517)	188654	49.3125	49.312
4 Bromomethane	94	3.909	3.909	(0.589)	142458	68.5675	68.568(R)
5 Chloroethane	64	3.980	3.990	(0.600)	125045	50.0507	50.051
6 Trichlorofluoromethane	101	4.241	4.241	(0.639)	131260	35.4999	35.500
7 Acrolein	56	4.633	4.633	(0.698)	114390	248.013	248.01
8 112Trichloro122Trifluoroethane	101	4.643	4.643	(0.700)	146380	50.5680	50.568
9 Acetone	43	4.683	4.683	(0.706)	187681	241.848	241.85
10 1,1-Dichloroethene	96	4.844	4.844	(0.730)	124895	47.5468	47.547
11 Bromoethane	108	5.065	5.065	(0.764)	80818	41.5464	41.546
12 Iodomethane	142	5.166	5.166	(0.779)	110841	35.6888	35.689
13 Methylene Chloride	84	5.276	5.276	(0.795)	132954	44.9512	44.951
14 Acrylonitrile	53	5.357	5.357	(0.808)	34735	50.6960	50.696(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	5.397	5.397	(0.814)	181726	44.9875	44.988 (Q)
	15 Carbon Disulfide	76	5.377	5.377	(0.811)	445426	54.6744	54.674
	17 Trans-1,2-Dichloroethene	96	5.558	5.558	(0.838)	113071	50.5101	50.510
	18 Vinyl Acetate	43	5.879	5.879	(0.886)	217496	55.4733	55.473
	19 1,1-Dichloroethane	63	5.940	5.940	(0.895)	205185	49.8237	49.824
	20 2-Butanone	43	6.281	6.281	(0.947)	238993	273.700	273.70
	21 2,2-Dichloropropane	77	6.462	6.462	(0.974)	109097	43.2931	43.293
	22 Cis-1,2-Dichloroethene	96	6.502	6.502	(0.980)	99665	50.5139	50.514
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	138668	50.0000	
	24 Chloroform	83	6.643	6.643	(1.002)	160597	48.0091	48.009
	26 Bromochloromethane	128	6.814	6.814	(1.027)	40306	43.0274	43.027
$	25 Dibromofluoromethane	111	6.844	6.844	(1.032)	85322	51.6251	51.625 (Q)
	27 1,1,1-Trichloroethane	97	7.035	7.035	(1.061)	116146	44.6411	44.641
	29 1,1-Dichloropropene	75	7.176	7.176	(0.939)	135688	48.0970	48.097
	30 Carbon Tetrachloride	117	7.296	7.296	(0.955)	107260	43.7221	43.722
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.101)	94922	52.4882	52.488
	32 1,2-Dichloroethane	62	7.397	7.397	(0.968)	117557	47.4670	47.467
	33 Benzene	78	7.447	7.447	(0.975)	337634	49.4933	49.493
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	207746	50.0000	
	35 Trichloroethene	95	8.010	8.010	(1.049)	93732	46.8966	46.896
	36 1,2-Dichloropropane	63	8.171	8.171	(1.070)	98677	45.8873	45.887
	37 Bromodichloromethane	83	8.412	8.412	(1.101)	105733	45.9880	45.988
	39 Dibromomethane	93	8.472	8.482	(1.109)	51783	48.5098	48.510
	40 2-Chloroethyl Vinyl Ether	63	8.623	8.623	(1.129)	39954	53.0534	53.053 (Q)
	41 4-Methyl-2-Pentanone	58	8.663	8.663	(1.134)	137886	251.077	251.08
	42 Cis 1,3-dichloropropene	75	8.914	8.914	(1.167)	126090	50.2312	50.231
$	43 d8-Toluene	98	9.186	9.186	(1.203)	235036	51.4893	51.489
	44 Toluene	92	9.276	9.276	(1.214)	190227	46.9989	46.999
	45 Trans 1,3-Dichloropropene	75	9.407	9.407	(1.232)	100140	47.4608	47.461
	46 2-Hexanone	43	9.537	9.537	(0.884)	333937	236.146	236.14
	47 1,1,2-Trichloroethane	97	9.588	9.588	(1.255)	62165	49.3352	49.335
	48 1,3-Dichloropropane	76	9.849	9.849	(0.912)	118889	48.8296	48.830
	49 Tetrachloroethene	166	9.960	9.960	(0.923)	85392	44.4299	44.430
	50 Chlorodibromomethane	129	10.171	10.171	(0.942)	77418	47.2660	47.266
	51 1,2-Dibromoethane	107	10.392	10.392	(1.361)	66494	49.2666	49.266
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	172992	50.0000	
	53 Chlorobenzene	112	10.834	10.834	(1.004)	188552	46.4698	46.470
	54 Ethyl Benzene	91	10.864	10.864	(1.007)	349446	50.9283	50.928
	55 1,1,1,2-Tetrachloroethane	131	10.854	10.864	(1.006)	63294	40.7582	40.758
	56 m,p-xylene	106	10.944	10.944	(1.014)	272835	108.791	108.79
	57 o-Xylene	106	11.437	11.437	(1.060)	131737	50.5422	50.542
	58 Styrene	104	11.467	11.467	(1.062)	216713	53.7736	53.774
	59 Isopropyl Benzene	105	11.819	11.819	(0.878)	344794	52.0168	52.017
	60 Bromoform	173	11.879	11.879	(0.882)	47948	44.9899	44.990
	61 1,1,2,2-Tetrachloroethane	83	11.990	12.000	(0.890)	88112	46.0116	46.012
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	100851	49.8131	49.813
	63 1,2,3-Trichloropropane	110	12.160	12.160	(0.903)	17540	46.2335	46.233

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	12.211	12.211	(0.907)	32549	55.3014	55.301
66	N-Propyl Benzene	91	12.271	12.271	(0.911)	420604	49.1539	49.154
67	Bromobenzene	156	12.361	12.361	(0.918)	85490	46.2646	46.265
68	1,3,5-Trimethyl Benzene	105	12.442	12.442	(0.924)	290341	53.9600	53.960
69	2-Chloro Toluene	91	12.502	12.502	(0.928)	278715	49.5716	49.572
70	4-Chloro Toluene	91	12.542	12.542	(0.931)	283596	52.6208	52.621
71	T-Butyl Benzene	119	12.854	12.854	(0.954)	252880	54.9356	54.936
72	1,2,4-Trimethylbenzene	105	12.904	12.904	(0.958)	290961	54.9302	54.930
73	S-Butyl Benzene	105	13.095	13.095	(0.972)	395889	52.2760	52.276
74	4-Isopropyl Toluene	119	13.246	13.246	(0.984)	298064	57.3605	57.360
75	1,3-Dichlorobenzene	146	13.397	13.397	(0.995)	167229	52.9713	52.971
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.477	(1.000)	98470	50.0000	
77	1,4-Dichlorobenzene	146	13.507	13.507	(1.003)	164164	51.9658	51.966
78	N-Butyl Benzene	91	13.718	13.718	(1.019)	336258	59.9255	59.925
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.034)	90123	50.3170	50.317
80	1,2-Dichlorobenzene	146	13.949	13.949	(1.036)	151785	50.5889	50.589
81	1,2-Dibromo 3-Chloropropane	75	14.854	14.854	(1.103)	14946	45.1044	45.104
82	1,2,4-Trichlorobenzene	180	15.899	15.899	(1.181)	95899	52.5235	52.523
83	Hexachloro 1,3-Butadiene	225	16.050	16.050	(1.192)	60069	48.8478	48.848
84	Naphthalene	128	16.221	16.231	(1.204)	165056	49.8406	49.841
85	1,2,3-Trichlorobenzene	180	16.512	16.522	(1.226)	85975	49.2526	49.253

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: LCS0804A.d
Lab Smp Id: LCS0804
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18202

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: LCS0804
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	138668	5.76
34 1,4-Difluorobenze	191559	95780	383118	207746	8.45
52 d5-Chlorobenzene	161199	80600	322398	172992	7.32
76 d4-1,4-Dichlorobe	88279	44140	176558	98470	11.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.64	0.00
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.47	-0.07

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 04AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: LCS0804 Client Smp ID: LCS0804
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/04AUG10.b/s8260b.m
Misc Info: 10-18202

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.000	47.953	95.91	53-148
2	Chloromethane	50.000	41.922	83.84	64-125
3	Vinyl Chloride	50.000	49.312	98.62	63-137
4	Bromomethane	50.000	68.568	137.14*	57-136
5	Chloroethane	50.000	50.051	100.10	64-131
6	Trichlorofluoromet	50.000	35.500	71.00	69-132
7	Acrolein	250.00	248.01	99.21	54-137
8	112Trichloro122Tri	50.000	50.568	101.14	74-130
9	Acetone	250.00	241.85	96.74	60-131
10	1,1-Dichloroethene	50.000	47.547	95.09	75-126
11	Bromoethane	50.000	41.546	83.09	76-126
12	Iodomethane	50.000	35.689	71.38	65-139
13	Methylene Chloride	50.000	44.951	89.90	70-123
15	Carbon Disulfide	50.000	54.674	109.35	71-129
14	Acrylonitrile	50.000	50.696	101.39	67-125
16	Methyl tert-Butyl	50.000	44.988	89.98	70-120
17	Trans-1,2-Dichloro	50.000	50.510	101.02	80-120
18	Vinyl Acetate	50.000	55.473	110.95	60-136
19	1,1-Dichloroethane	50.000	49.824	99.65	80-120
20	2-Butanone	250.00	273.70	109.48	70-120
21	2,2-Dichloropropan	50.000	43.293	86.59	74-123
22	Cis-1,2-Dichloroet	50.000	50.514	101.03	80-120
24	Chloroform	50.000	48.009	96.02	80-120
26	Bromochloromethane	50.000	43.027	86.05	80-120
27	1,1,1-Trichloroeth	50.000	44.641	89.28	77-121
29	1,1-Dichloropropen	50.000	48.097	96.19	80-120
30	Carbon Tetrachlori	50.000	43.722	87.44	77-122
32	1,2-Dichloroethane	50.000	47.467	94.93	76-120
33	Benzene	50.000	49.493	98.99	80-120
35	Trichloroethene	50.000	46.896	93.79	80-120
36	1,2-Dichloropropan	50.000	45.887	91.77	80-120
37	Bromodichlorometha	50.000	45.988	91.98	77-121
39	Dibromomethane	50.000	48.510	97.02	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	53.053	106.11	10-191
41 4-Methyl-2-Pentano	250.00	251.08	100.43	67-120
42 Cis 1,3-dichloropr	50.000	50.231	100.46	74-120
44 Toluene	50.000	46.999	94.00	80-120
45 Trans 1,3-Dichloro	50.000	47.461	94.92	65-120
46 2-Hexanone	250.00	236.14	94.46	65-130
47 1,1,2-Trichloroeth	50.000	49.335	98.67	80-120
48 1,3-Dichloropropan	50.000	48.830	97.66	80-120
49 Tetrachloroethene	50.000	44.430	88.86	80-121
50 Chlorodibromometha	50.000	47.266	94.53	64-120
51 1,2-Dibromoethane	50.000	49.266	98.53	75-120
53 Chlorobenzene	50.000	46.470	92.94	80-120
55 1,1,1,2-Tetrachlor	50.000	40.758	81.52	69-121
54 Ethyl Benzene	50.000	50.928	101.86	80-127
56 m,p-xylene	100.00	108.79	108.79	80-125
57 o-Xylene	50.000	50.542	101.08	78-120
58 Styrene	50.000	53.774	107.55	80-123
59 Isopropyl Benzene	50.000	52.017	104.03	80-127
60 Bromoform	50.000	44.990	89.98	60-120
61 1,1,2,2-Tetrachlor	50.000	46.012	92.02	74-120
63 1,2,3-Trichloropro	50.000	46.233	92.47	72-121
65 Trans-1,4-Dichloro	50.000	55.301	110.60	65-126
66 N-Propyl Benzene	50.000	49.154	98.31	80-132
67 Bromobenzene	50.000	46.265	92.53	80-120
68 1,3,5-Trimethyl Be	50.000	53.960	107.92	80-125
69 2-Chloro Toluene	50.000	49.572	99.14	80-125
70 4-Chloro Toluene	50.000	52.621	105.24	80-127
71 T-Butyl Benzene	50.000	54.936	109.87	87-122
72 1,2,4-Trimethylben	50.000	54.930	109.86	80-126
73 S-Butyl Benzene	50.000	52.276	104.55	80-134
74 4-Isopropyl Toluen	50.000	57.360	114.72	80-131
75 1,3-Dichlorobenzen	50.000	52.971	105.94	80-120
77 1,4-Dichlorobenzen	50.000	51.966	103.93	80-120
78 N-Butyl Benzene	50.000	59.925	119.85	80-138
80 1,2-Dichlorobenzen	50.000	50.589	101.18	80-120
81 1,2-Dibromo 3-Chlo	50.000	45.104	90.21	59-120
82 1,2,4-Trichloroben	50.000	52.523	105.05	78-130
83 Hexachloro 1,3-But	50.000	48.848	97.70	76-129
84 Naphthalene	50.000	49.841	99.68	66-120
85 1,2,3-Trichloroben	50.000	49.253	98.51	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.625	103.25	30-160

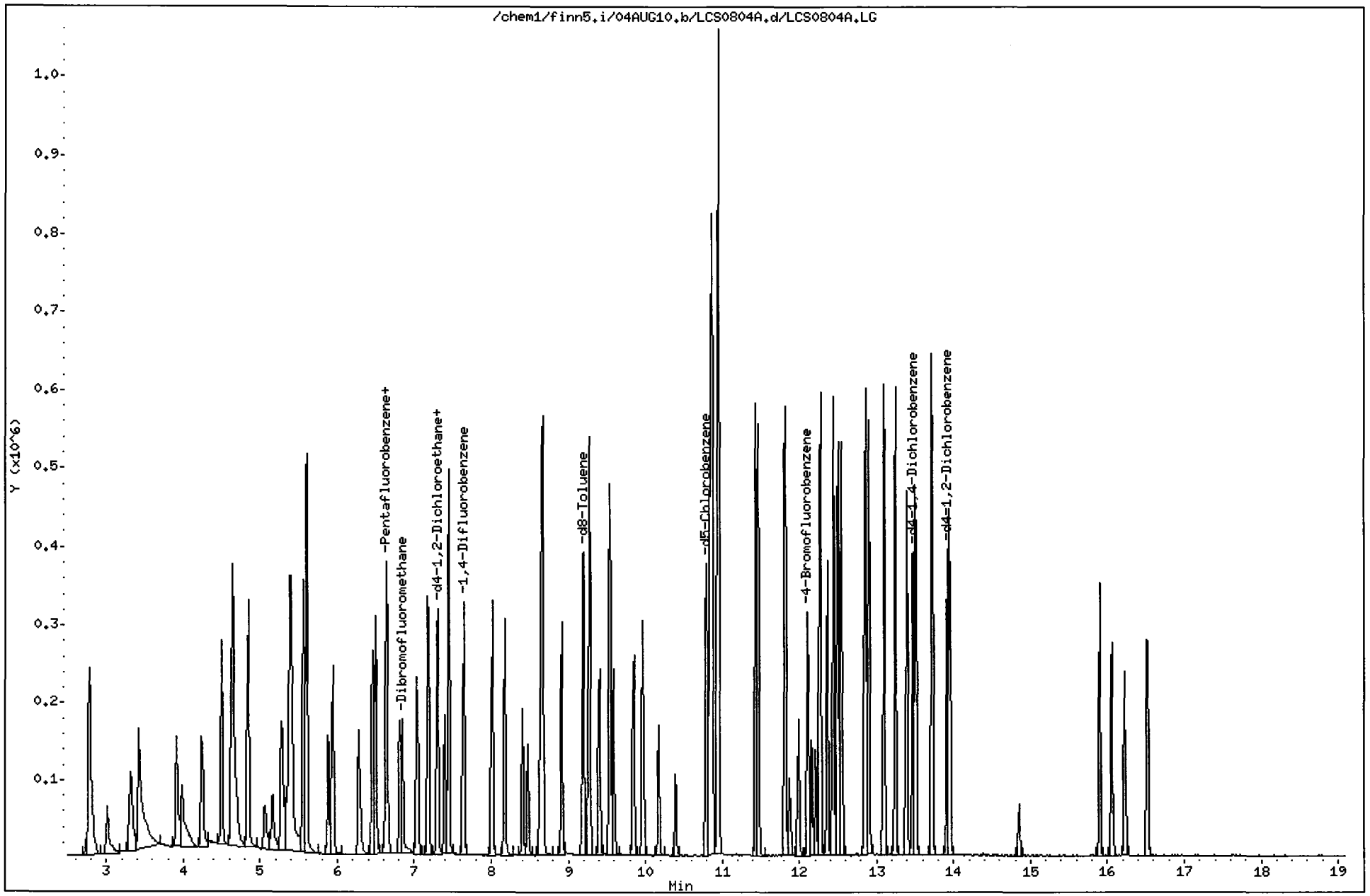
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	52.488	104.98	75-152
$ 43 d8-Toluene	50.000	51.489	102.98	82-115
$ 62 4-Bromofluorobenze	50.000	49.813	99.63	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.317	100.63	80-120

Data File: /chem1/finn5.i/04AUG10.b/LCS0804A.d
Date : 04-AUG-2010 11:41
Client ID: LCS0804
Sample Info: LCS0804,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/MB0804.d
Lab Smp Id: MB0804 Client Smp ID: MB0804
Inj Date : 04-AUG-2010 12:08
Operator : PB Inst ID: finn5.i
Smp Info : MB0804,5,5,0
Misc Info : 10-18202
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.683	(0.706)	3399	4.87260	4.873
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.281	(0.948)	2679	3.41311	3.413
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.633	(1.000)	124649	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.834	6.844	(1.032)	83755	56.3765	56.376(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.296	7.306	(1.102)	95041	58.4646	58.465
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.628	7.638	(1.000)	186870	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	8.653	8.663	(1.134)	1642	3.32394	3.324
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.176	9.186	(1.203)	215838	52.5659	52.566
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.794	(1.000)	160706	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.100	12.110	(1.122)	88992	47.3160	47.316
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.477	(1.000)	78426	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.919	(1.034)	73346	51.4162	51.416 (Q)
80	1,2-Dichlorobenzene	146	13.939	13.949	(1.036)	1227	0.51347	0.5135
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	16.211	16.231	(1.205)	5571	2.11217	2.112
85	1,2,3-Trichlorobenzene	180	16.502	16.522	(1.226)	2909	2.09240	2.092

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: MB0804.d
Lab Smp Id: MB0804
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18202

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: MB0804
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	124649	-4.93
34 1,4-Difluorobenze	191559	95780	383118	186870	-2.45
52 d5-Chlorobenzene	161199	80600	322398	160706	-0.31
76 d4-1,4-Dichlorobe	88279	44140	176558	78426	-11.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.62	-0.15
34 1,4-Difluorobenze	7.64	7.14	8.14	7.63	-0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.78	-0.09
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.46	-0.15

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 04AUG10
Sample Matrix: SOLID Fraction: VOA
Lab Smp Id: MB0804 Client Smp ID: MB0804
Level: LOW Operator: PB
Data Type: MS DATA SampleType: BLANK
SpikeList File: all.spk Quant Type: ISTD
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18202

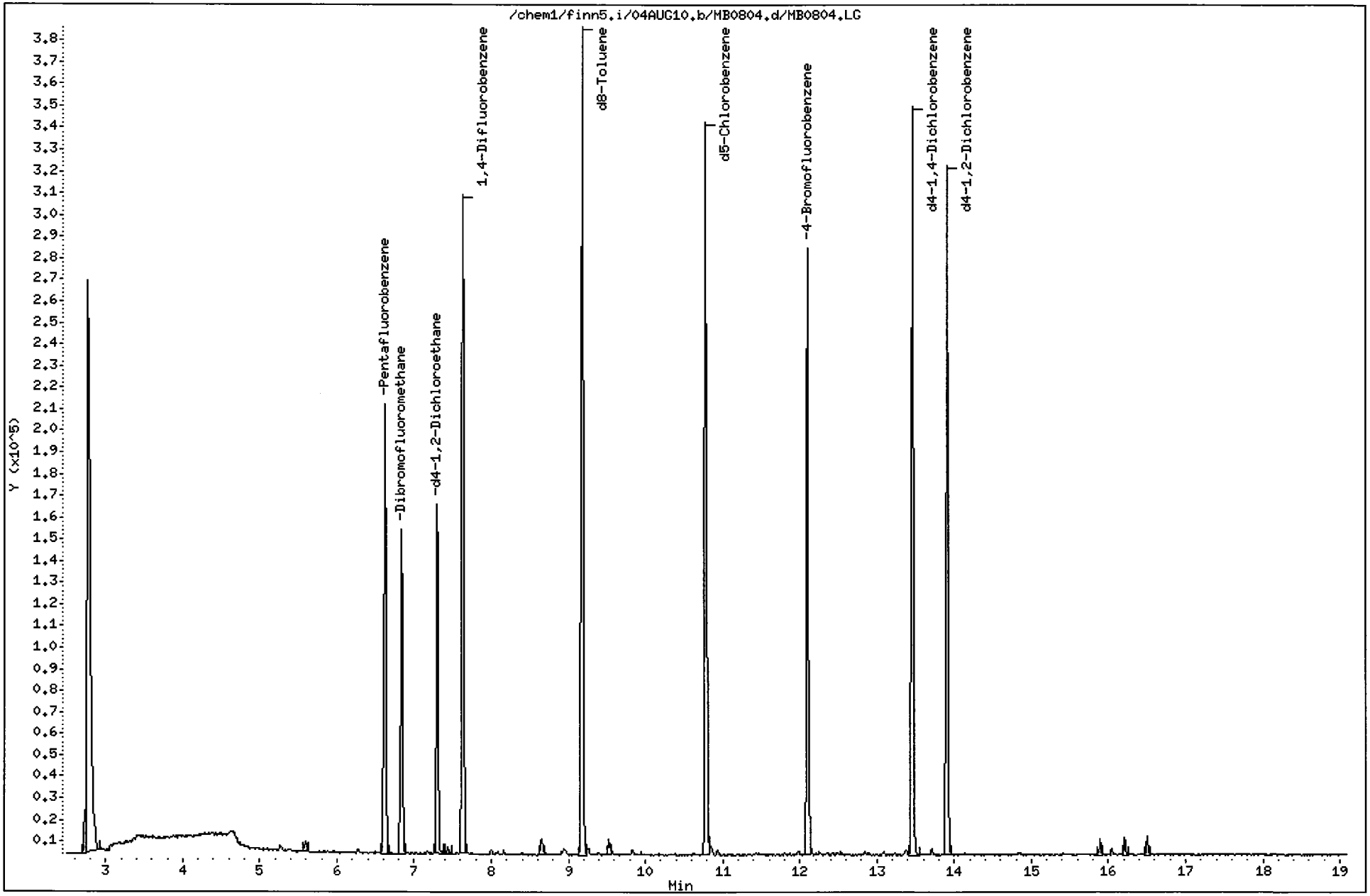
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	56.376	112.75	30-160
$ 31 d4-1,2-Dichloroeth	50.000	58.465	116.93	75-152
$ 43 d8-Toluene	50.000	52.566	105.13	82-115
$ 62 4-Bromofluorobenze	50.000	47.316	94.63	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.416	102.83	80-120

Data File: /chem1/finn5.i/04AUG10.b/MB0804.d
Date : 04-AUG-2010 12:08
Client ID: MB0804
Sample Info: MB0804,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60A.d
Lab Smp Id: RG60A Client Smp ID: PSB13-0-0.5-072910
Inj Date : 04-AUG-2010 18:43
Operator : PB Inst ID: finn5.i
Smp Info : RG60A,5,8.10,0
Misc Info : 10-18279
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	8.10000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.683	(0.706)	247343	349.966	216.03(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	5.286	5.276	(0.797)	8609	3.19593	1.973
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	6.291	6.281	(0.948)	25163	31.6414	19.532
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	126291	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.854	6.844	(1.033)	89342	59.3553	36.639(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.316	7.306	(1.103)	103578	62.8878	38.820
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	7.457	7.447	(0.975)	3716	0.60724	0.3748
*	34 1,4-Difluorobenzene	114	7.648	7.638	(1.000)	186357	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.196	9.186	(1.202)	208723	50.9730	31.465
	44 Toluene	92	9.276	9.276	(1.213)	3020	0.83178	0.5134
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	146593	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.120	12.110	(1.123)	70157	40.8928	25.242
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.477	(1.000)	52760	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.033)	46698	48.6605	30.037
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: RG60A.d
Lab Smp Id: RG60A
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18279

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-0-0.5-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	126291	-3.68
34 1,4-Difluorobenze	191559	95780	383118	186357	-2.72
52 d5-Chlorobenzene	161199	80600	322398	146593	-9.06
76 d4-1,4-Dichlorobe	88279	44140	176558	52760	-40.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.65	0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.48	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: RG60A
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18279

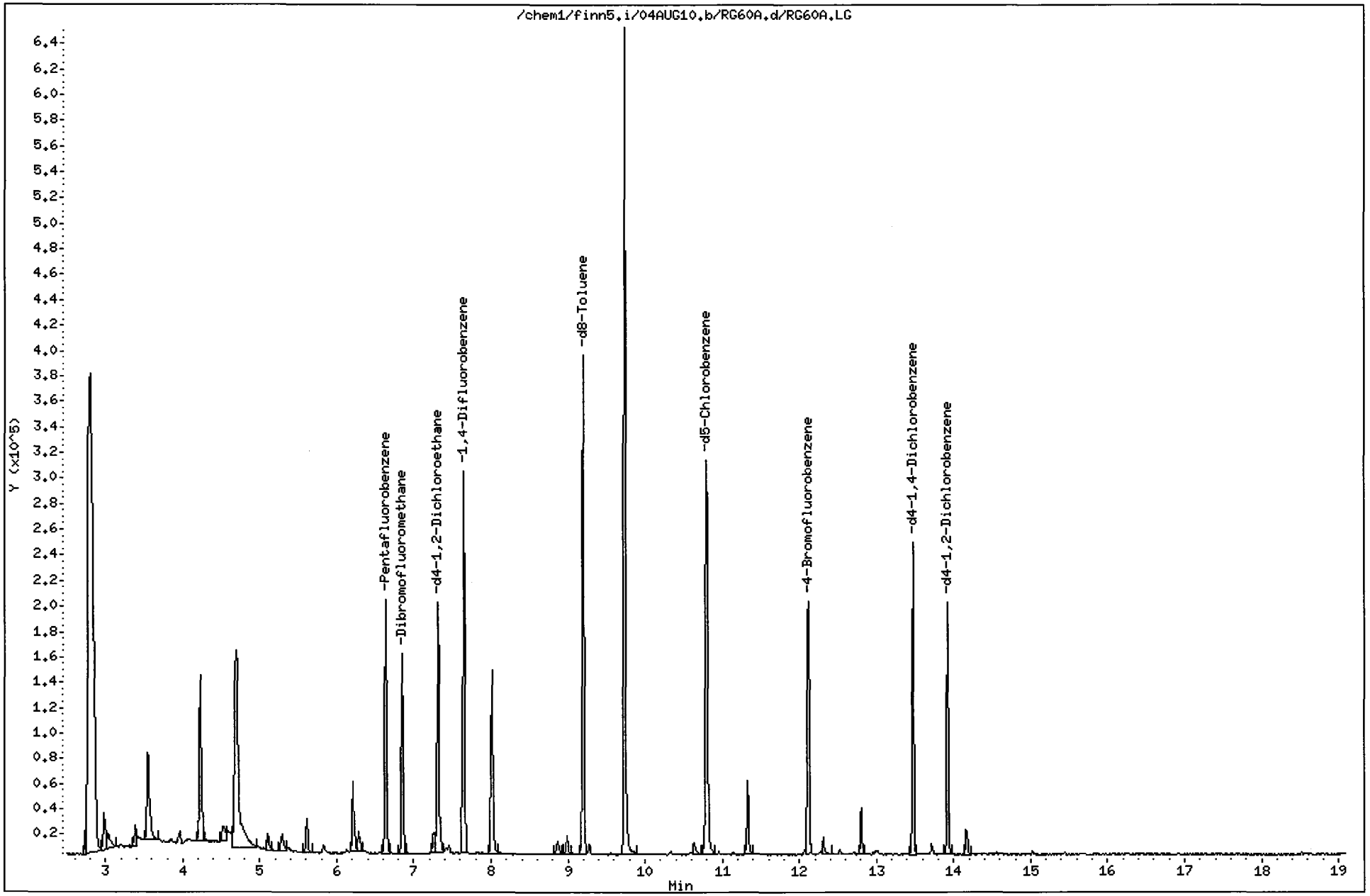
Client SDG: RG60
Fraction: VOA
Client Smp ID: PSB13-0-0.5-072910
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	59.355	118.71	30-160
$ 31 d4-1,2-Dichloroeth	50.000	62.888	125.78	75-152
$ 43 d8-Toluene	50.000	50.973	101.95	82-115
$ 62 4-Bromofluorobenze	50.000	40.893	81.79	64-120
$ 79 d4-1,2-Dichloroben	50.000	48.660	97.32	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60A.d
Date : 04-AUG-2010 18:43
Client ID: PSB13-0-0.5-072910
Sample Info: RG60A,5,8.10,0

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

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60B.d
Lab Smp Id: RG60B Client Smp ID: PSB13-1.5-2-072910
Inj Date : 04-AUG-2010 19:09
Operator : PB Inst ID: finn5.i
Smp Info : RG60B,5,9.55,0
Misc Info : 10-18280
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	9.55000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.683	(0.706)	112706	117.672	61.608
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.286	5.276	(0.797)	15119	4.14160	2.168
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	6.291	6.281	(0.948)	9198	8.53468	4.468
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	171148	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.854	6.844	(1.033)	116515	57.1198	29.906 (Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.316	7.306	(1.103)	133375	59.7549	31.285
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.648	7.638	(1.000)	253323	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.196	9.186	(1.202)	279959	50.2962	26.333
	44 Toluene	92	9.276	9.276	(1.213)	3744	0.75859	0.3972
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	212637	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.120	12.110	(1.123)	116375	46.7638	24.484
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
	66 N-Propyl Benzene	91	Compound Not Detected.					
	67 Bromobenzene	156	Compound Not Detected.					
	68 1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
	69 2-Chloro Toluene	91	Compound Not Detected.					
	70 4-Chloro Toluene	91	Compound Not Detected.					
	71 T-Butyl Benzene	119	Compound Not Detected.					
	72 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	73 S-Butyl Benzene	105	Compound Not Detected.					
	74 4-Isopropyl Toluene	119	Compound Not Detected.					
	75 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	76 d4-1,4-Dichlorobenzene	152	13.477	13.477	(1.000)	101533	50.0000	
	77 1,4-Dichlorobenzene	146	Compound Not Detected.					
	78 N-Butyl Benzene	91	Compound Not Detected.					
$	79 d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.033)	94471	51.1534	26.782
	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: RG60B.d
Lab Smp Id: RG60B
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18280

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-1.5-2-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	171148	30.53
34 1,4-Difluorobenze	191559	95780	383118	253323	32.24
52 d5-Chlorobenzene	161199	80600	322398	212637	31.91
76 d4-1,4-Dichlorobe	88279	44140	176558	101533	15.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.65	0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.48	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: RG60B
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18280

Client SDG: RG60
Fraction: VOA
Client Smp ID: PSB13-1.5-2-072910
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

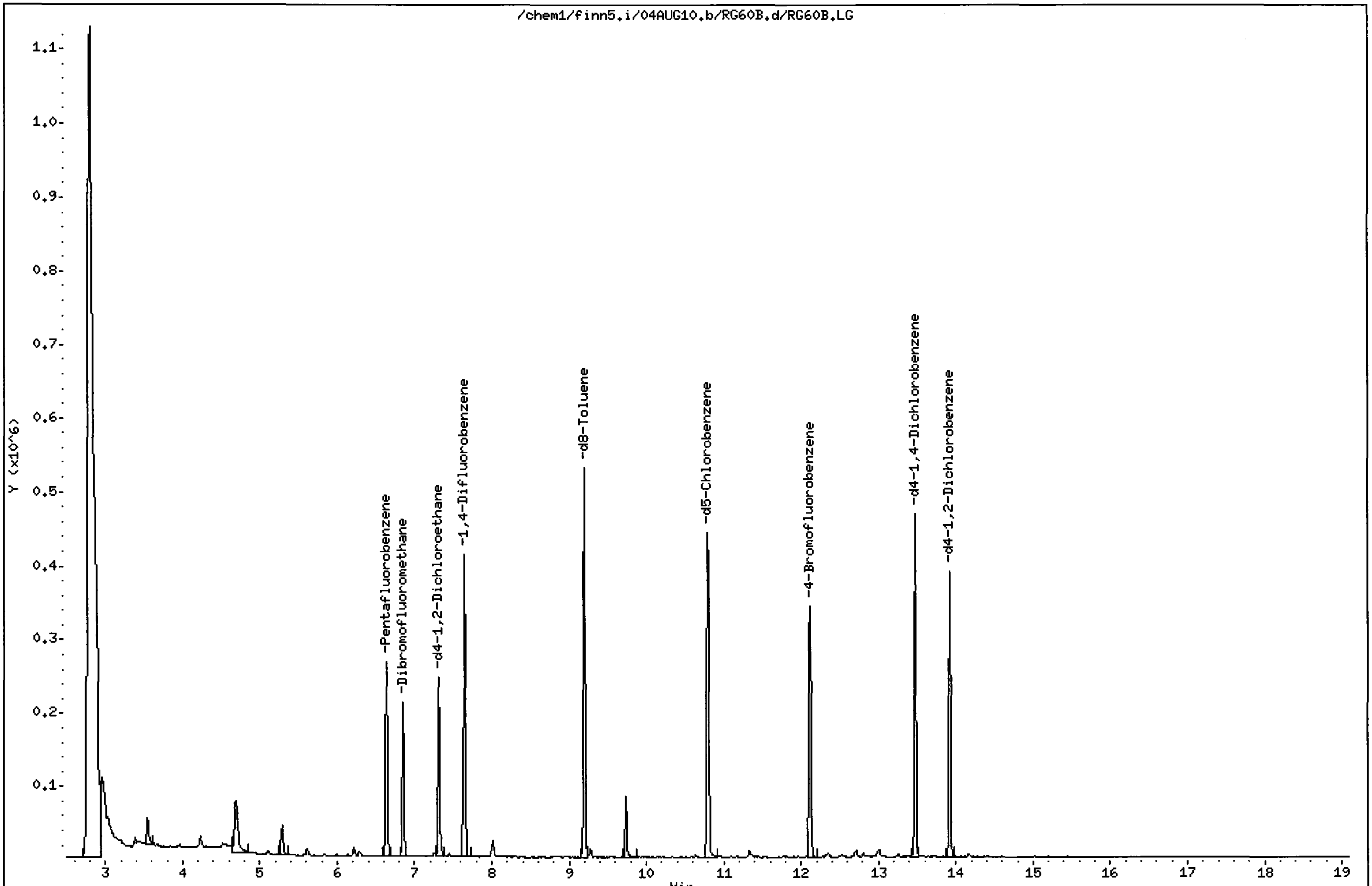
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.120	114.24	30-160
$ 31 d4-1,2-Dichloroeth	50.000	59.755	119.51	75-152
$ 43 d8-Toluene	50.000	50.296	100.59	82-115
$ 62 4-Bromofluorobenze	50.000	46.764	93.53	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.153	102.31	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60B.d
Date : 04-AUG-2010 19:09
Client ID: PSB13-1.5-2-072910
Sample Info: RG60B,5,9.55,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60C.d
Lab Smp Id: RG60C Client Smp ID: PSB13-2-4-072910
Inj Date : 04-AUG-2010 19:36
Operator : PB Inst ID: finn5.i
Smp Info : RG60C,5,10.03,0
Misc Info : 10-18281
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.03000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.683	(0.706)	86314	100.826	50.262
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.276	5.276	(0.795)	11119	3.40781	1.699
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)	
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.						
	15 Carbon Disulfide	76	Compound Not Detected.						
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.						
	18 Vinyl Acetate	43	Compound Not Detected.						
	19 1,1-Dichloroethane	63	Compound Not Detected.						
	20 2-Butanone	43	6.281	6.281	(0.947)	8243	8.55746	4.266	
	21 2,2-Dichloropropane	77	Compound Not Detected.						
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.						
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	152970	50.0000		
	24 Chloroform	83	Compound Not Detected.						
	26 Bromochloromethane	128	Compound Not Detected.						
$	25 Dibromofluoromethane	111	6.844	6.844	(1.032)	104823	57.4946	28.661(Q)	
	27 1,1,1-Trichloroethane	97	Compound Not Detected.						
	29 1,1-Dichloropropene	75	Compound Not Detected.						
	30 Carbon Tetrachloride	117	Compound Not Detected.						
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.101)	126696	63.5079	31.659	
	32 1,2-Dichloroethane	62	Compound Not Detected.						
	33 Benzene	78	Compound Not Detected.						
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	230211	50.0000		
	35 Trichloroethene	95	Compound Not Detected.						
	36 1,2-Dichloropropane	63	Compound Not Detected.						
	37 Bromodichloromethane	83	Compound Not Detected.						
	39 Dibromomethane	93	Compound Not Detected.						
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.						
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.						
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.						
$	43 d8-Toluene	98	9.186	9.186	(1.203)	261394	51.6755	25.760	
	44 Toluene	92	9.276	9.276	(1.214)	2106	0.46955	0.2341	
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.						
	46 2-Hexanone	43	Compound Not Detected.						
	47 1,1,2-Trichloroethane	97	Compound Not Detected.						
	48 1,3-Dichloropropane	76	Compound Not Detected.						
	49 Tetrachloroethene	166	Compound Not Detected.						
	50 Chlorodibromomethane	129	Compound Not Detected.						
	51 1,2-Dibromoethane	107	Compound Not Detected.						
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	196779	50.0000		
	53 Chlorobenzene	112	Compound Not Detected.						
	54 Ethyl Benzene	91	Compound Not Detected.						
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	56 m,p-xylene	106	Compound Not Detected.						
	57 o-Xylene	106	Compound Not Detected.						
	58 Styrene	104	Compound Not Detected.						
	59 Isopropyl Benzene	105	Compound Not Detected.						
	60 Bromoform	173	Compound Not Detected.						
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	104956	45.5740	22.719	
	63 1,2,3-Trichloropropane	110	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.477	(1.000)	87983	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.034)	83150	51.9573	25.901(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG60C.d
Lab Smp Id: RG60C
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18281

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-2-4-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	152970	16.67
34 1,4-Difluorobenze	191559	95780	383118	230211	20.18
52 d5-Chlorobenzene	161199	80600	322398	196779	22.07
76 d4-1,4-Dichlorobe	88279	44140	176558	87983	-0.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.64	0.00
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.47	-0.07

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG60C
Client Smp ID: PSB13-2-4-072910
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/04AUG10.b/s8260b.m
Misc Info: 10-18281

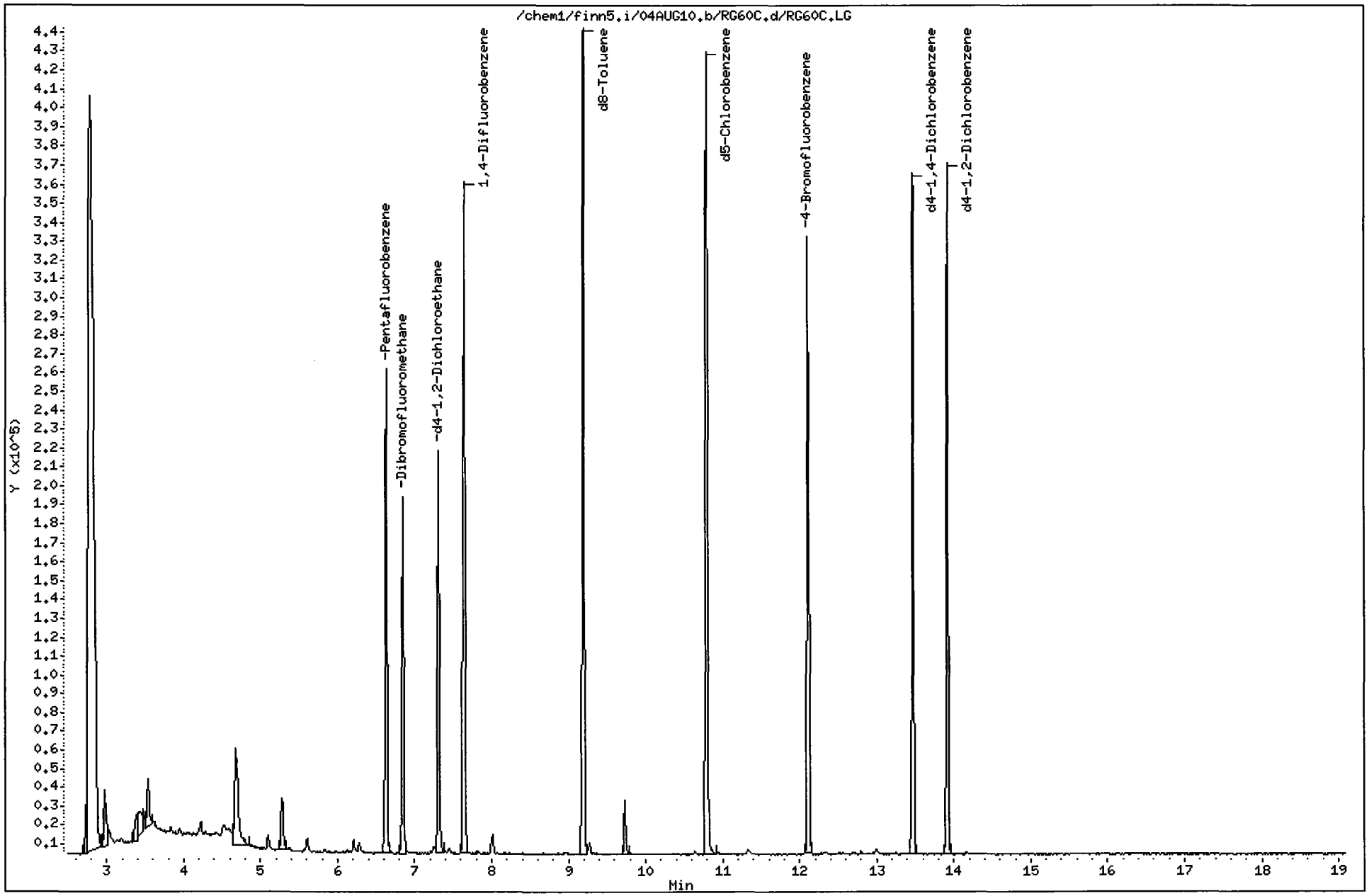
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.494	114.99	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.508	127.02	75-152
$ 43 d8-Toluene	50.000	51.676	103.35	82-115
$ 62 4-Bromofluorobenze	50.000	45.574	91.15	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.957	103.91	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60C.d
Date : 04-AUG-2010 19:36
Client ID: PSB13-2-4-072910
Sample Info: RG60C,5,10.03,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



RG60C

Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60D.d
Lab Smp Id: RG60D Client Smp ID: PSB13-4-6-072910
Inj Date : 04-AUG-2010 20:02
Operator : PB Inst ID: finn5.i
Smp Info : RG60D,5,9.52,0
Misc Info : 10-18282
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	9.52000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.683	(0.706)	48231	53.1899	27.936
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.276	5.276	(0.795)	5729	1.65768	0.8706
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	5.377	5.377	(0.811)	8565	0.89974	0.4726(Q)
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.281	(0.947)	3265	3.20003	1.681
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	162030	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.844	(1.032)	111350	57.6596	30.283(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.306	(1.101)	133159	63.0153	33.096
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.638	(1.000)	246819	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.186	(1.203)	275116	50.7286	26.643
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	207441	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	116164	47.8482	25.130
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.477	(1.000)	102315	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.034)	98086	52.7049	27.681(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG60D.d
Lab Smp Id: RG60D
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18282

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-4-6-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	162030	23.58
34 1,4-Difluorobenze	191559	95780	383118	246819	28.85
52 d5-Chlorobenzene	161199	80600	322398	207441	28.69
76 d4-1,4-Dichlorobe	88279	44140	176558	102315	15.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.64	0.00
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.47	-0.07

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG60D
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18282

Client SDG: RG60
Fraction: VOA
Client Smp ID: PSB13-4-6-072910
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.660	115.32	30-160
$ 31 d4-1,2-Dichloroeth	50.000	63.015	126.03	75-152
$ 43 d8-Toluene	50.000	50.728	101.46	82-115
$ 62 4-Bromofluorobenze	50.000	47.848	95.70	64-120
$ 79 d4-1,2-Dichloroben	50.000	52.705	105.41	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60D.d

Date : 04-AUG-2010 20:02

Client ID: PSB13-4-6-072910

Sample Info: RG60D,5,9.52,0

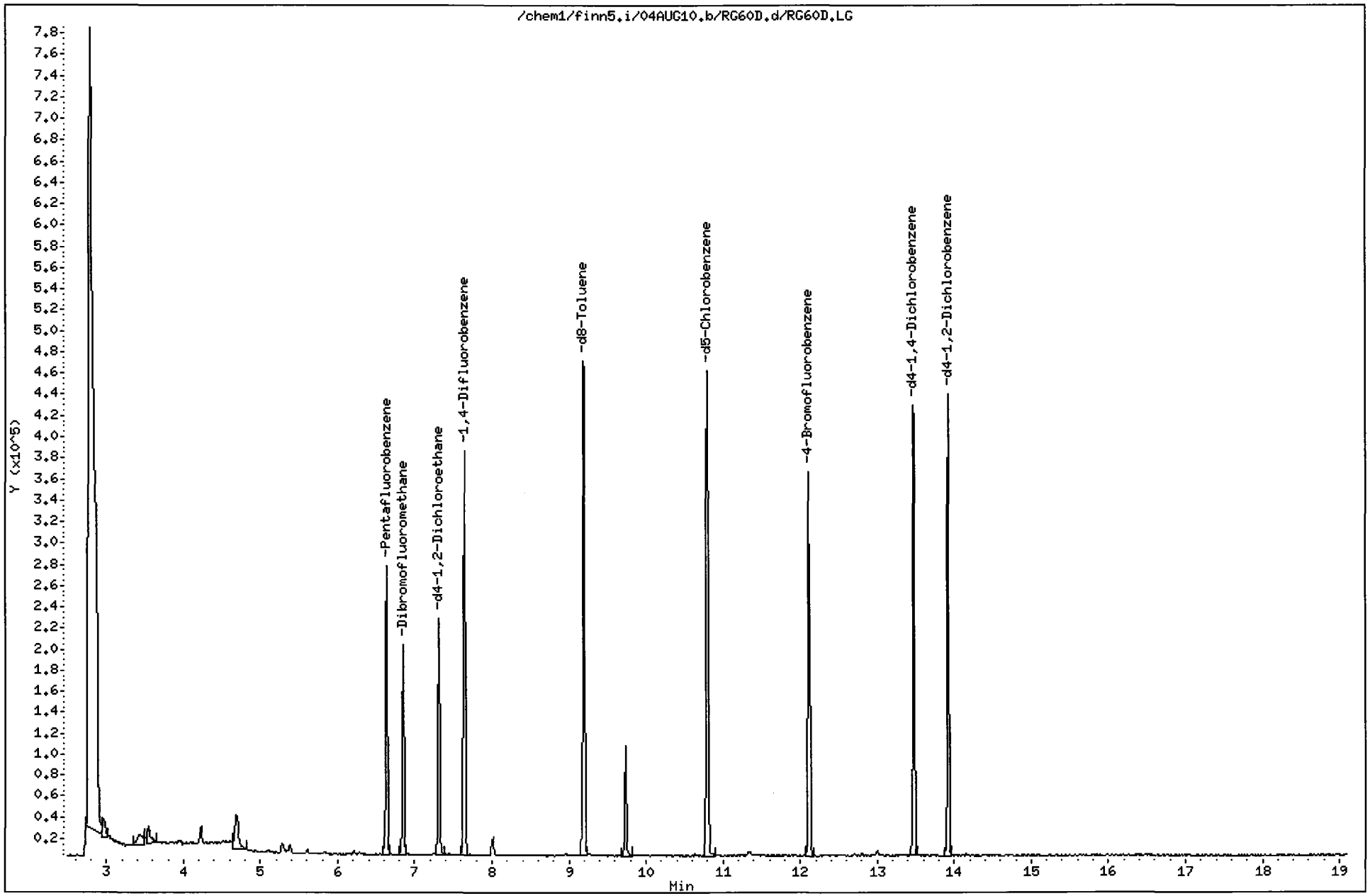
Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB

Column diameter: 0.18

RG60D.D



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60E.d
Lab Smp Id: RG60E Client Smp ID: PSB13-11-13-072910
Inj Date : 04-AUG-2010 20:29
Operator : PB Inst ID: finn5.i
Smp Info : RG60E,5,10.71,0
Misc Info : 10-18283
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.71000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.683	(0.706)	28092	33.7185	15.742
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.286	5.276	(0.797)	8233	2.59276	1.210
14 Acrylonitrile	53	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/Kg)	(ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	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	6.291	6.281	(0.948)	2324	2.47907	1.157
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	148872	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.854	6.844	(1.033)	102618	57.8345	27.000(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.316	7.306	(1.103)	118493	61.0310	28.492
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.648	7.638	(1.000)	226474	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.196	9.186	(1.202)	254478	51.1384	23.874
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	192703	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.110	(1.122)	108060	47.9143	22.369
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.477	(1.000)	95934	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.033)	90325	51.7629	24.166
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: RG60E.d
Lab Smp Id: RG60E
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18283

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-11-13-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	148872	13.54
34 1,4-Difluorobenze	191559	95780	383118	226474	18.23
52 d5-Chlorobenzene	161199	80600	322398	192703	19.54
76 d4-1,4-Dichlorobe	88279	44140	176558	95934	8.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.65	0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.48	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: RG60E
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18283

Client SDG: RG60
Fraction: VOA
Client Smp ID: PSB13-11-13-072910
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

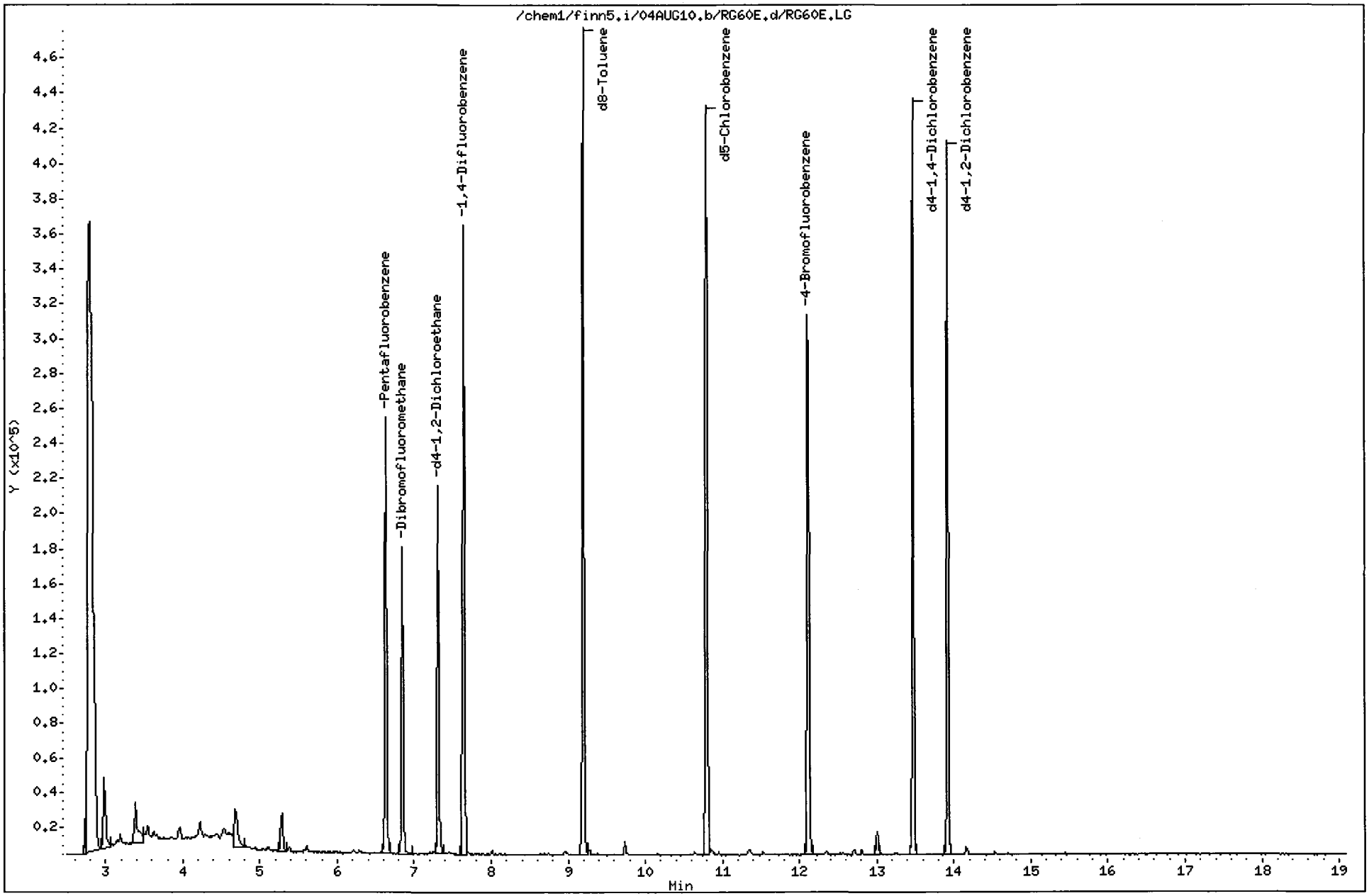
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.834	115.67	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.031	122.06	75-152
$ 43 d8-Toluene	50.000	51.138	102.28	82-115
$ 62 4-Bromofluorobenze	50.000	47.914	95.83	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.763	103.53	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60E.d
Date : 04-AUG-2010 20:29
Client ID: PSB13-11-13-072910
Sample Info: RG60E,5,10.71,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60F.d
Lab Smp Id: RG60F Client Smp ID: PSB13-14.5-16.5-072
Inj Date : 04-AUG-2010 20:55
Operator : PB Inst ID: finn5.i
Smp Info : RG60F,5,10.98,0
Misc Info : 10-18284
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	10.98000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.683	(0.707)	15228	18.1061	8.245
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.266	5.276	(0.796)	8229	2.56713	1.169
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.613	6.633	(1.000)	150285	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.834	6.844	(1.033)	103046	57.5297	26.197(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.296	7.306	(1.103)	120742	61.6047	28.053
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.628	7.638	(1.000)	227925	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.176	9.186	(1.203)	263470	52.6083	23.956
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.774	10.794	(1.000)	199596	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.100	12.110	(1.123)	111313	47.6522	21.700
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.477	(1.000)	100629	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.899	13.919	(1.033)	94742	51.7610	23.570(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG60F.d
Lab Smp Id: RG60F
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18284

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-14.5-16.5-072
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	150285	14.62
34 1,4-Difluorobenze	191559	95780	383118	227925	18.98
52 d5-Chlorobenzene	161199	80600	322398	199596	23.82
76 d4-1,4-Dichlorobe	88279	44140	176558	100629	13.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.61	-0.30
34 1,4-Difluorobenze	7.64	7.14	8.14	7.63	-0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.77	-0.19
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.46	-0.15

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: VOA
Lab Smp Id: RG60F
Client Smp ID: PSB13-14.5-16.5-072
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/04AUG10.b/s8260b.m
Misc Info: 10-18284

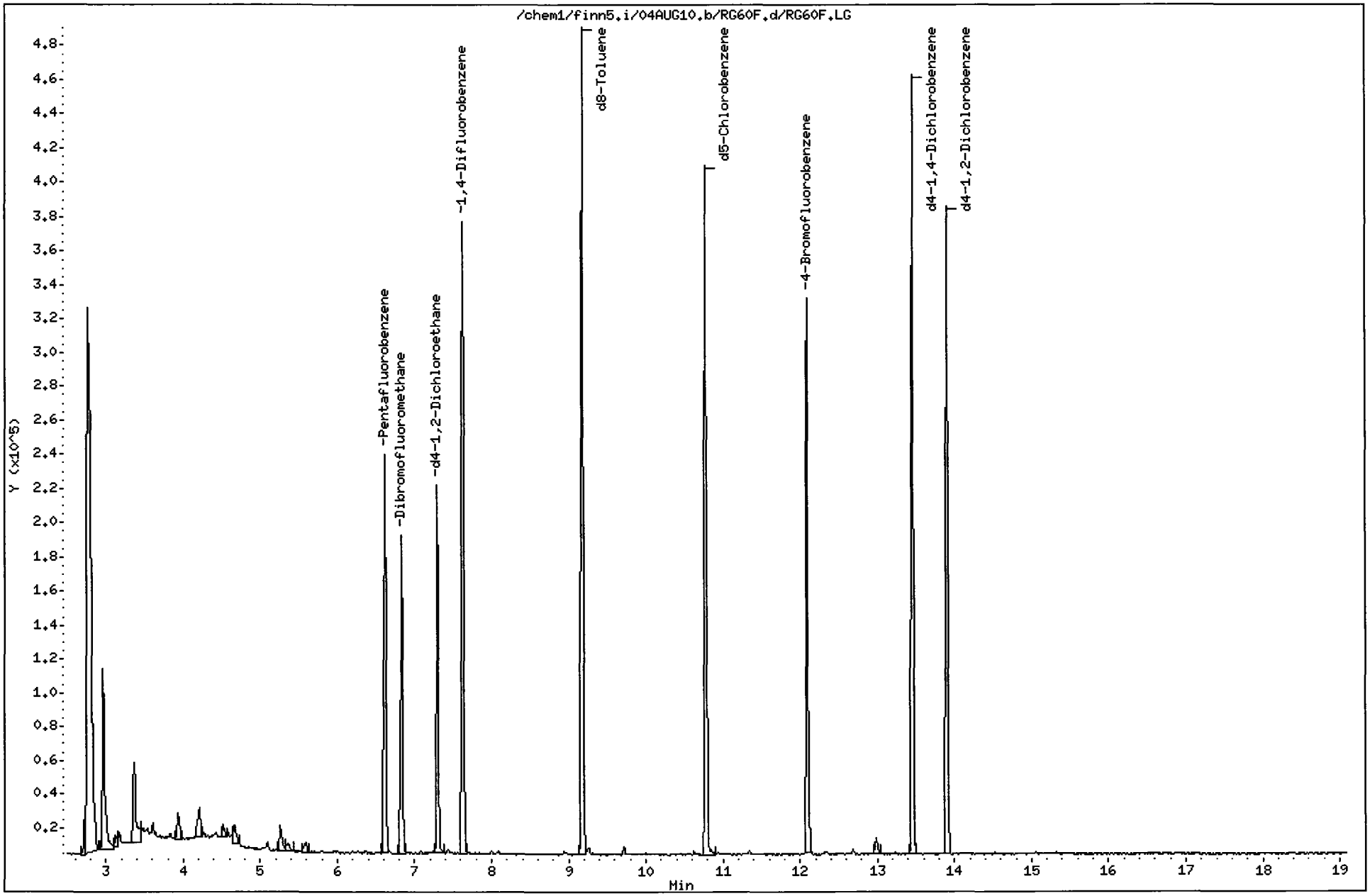
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	57.530	115.06	30-160
$ 31 d4-1,2-Dichloroeth	50.000	61.605	123.21	75-152
$ 43 d8-Toluene	50.000	52.608	105.22	82-115
$ 62 4-Bromofluorobenze	50.000	47.652	95.30	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.761	103.52	80-120

Data File: /chem1/finn5.i/04AUG10.b/RG60F.d
Date : 04-AUG-2010 20:55
Client ID: PSB13-14.5-16.5-072
Sample Info: RG60F,5,10.98,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/04AUG10.b/RG60G.d
Lab Smp Id: RG60G Client Smp ID: PSB13-TB
Inj Date : 04-AUG-2010 21:21
Operator : PB Inst ID: finn5.i
Smp Info : RG60G,5,5,0
Misc Info : 10-18285
Comment :
Method : /chem1/finn5.i/04AUG10.b/s8260b.m
Meth Date : 05-Aug-2010 16:25 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv / Sa * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	PurgeVolume (mL)
Sa	0.00000	SampleAmount (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	3.316	3.316	(0.500)	2299	0.45061	0.4506
3	Vinyl Chloride	62	Compound Not Detected.					
4	Bromomethane	94	Compound Not Detected.					
5	Chloroethane	64	Compound Not Detected.					
6	Trichlorofluoromethane	101	Compound Not Detected.					
7	Acrolein	56	Compound Not Detected.					
8	112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9	Acetone	43	4.693	4.683	(0.708)	5283	6.45525	6.455
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	Bromoethane	108	Compound Not Detected.					
12	Iodomethane	142	Compound Not Detected.					
13	Methylene Chloride	84	5.286	5.276	(0.797)	8743	2.80292	2.803
14	Acrylonitrile	53	Compound Not Detected.					
16	Methyl tert-Butyl Ether	73	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/L)
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	Compound Not Detected.					
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.633	6.633	(1.000)	146240	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.854	6.844	(1.033)	98012	56.2328	56.233(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.316	7.306	(1.103)	104870	54.9865	54.986
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.648	7.638	(1.000)	219414	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.					
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.196	9.186	(1.202)	251700	52.2077	52.208
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.794	10.794	(1.000)	185559	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.120	12.110	(1.123)	100918	46.4703	46.470
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					
	65 Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/L)
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.477	13.477	(1.000)	89236	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.919	13.919	(1.033)	83457	51.4169	51.417(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG60G.d
Lab Smp Id: RG60G
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18285

Calibration Date: 04-AUG-2010
Calibration Time: 10:24
Client Smp ID: PSB13-TB
Level: LOW
Sample Type: Water

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	146240	11.54
34 1,4-Difluorobenze	191559	95780	383118	219414	14.54
52 d5-Chlorobenzene	161199	80600	322398	185559	15.11
76 d4-1,4-Dichlorobe	88279	44140	176558	89236	1.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.63	6.13	7.13	6.63	0.00
34 1,4-Difluorobenze	7.64	7.14	8.14	7.65	0.13
52 d5-Chlorobenzene	10.79	10.29	11.29	10.79	0.00
76 d4-1,4-Dichlorobe	13.48	12.98	13.98	13.48	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: LIQUID
Lab Smp Id: RG60G
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/04AUG10.b/s8260b.m
Misc Info: 10-18285

Client SDG: RG60
Fraction: VOA
Client Smp ID: PSB13-TB
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

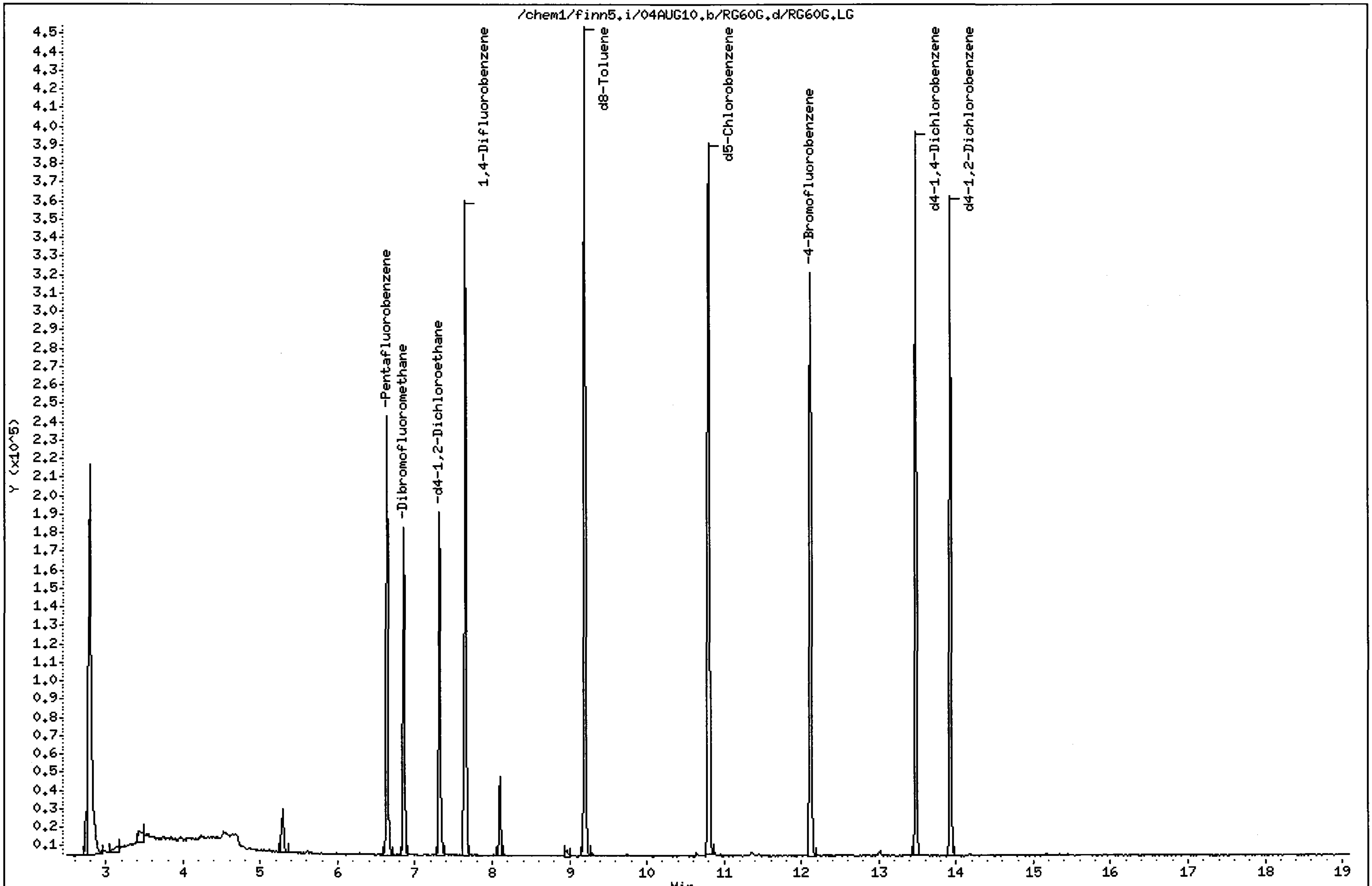
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	56.233	112.47	30-160
$ 31 d4-1,2-Dichloroeth	50.000	54.986	109.97	75-152
$ 43 d8-Toluene	50.000	52.208	104.42	82-115
$ 62 4-Bromofluorobenze	50.000	46.470	92.94	71-120
$ 79 d4-1,2-Dichloroben	50.000	51.417	102.83	80-121

Data File: /chem1/finn5.i/04AUG10.b/RG60G.d
Date : 04-AUG-2010 21:21
Client ID: PSB13-TB
Sample Info: RG60G,5,5,0

Column phase: Rtx502.2

Instrument: finn5.i

Operator: PB
Column diameter: 0.18



Semivolatile PAH Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG60

Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270) PNA Soil/ Sediment
Sonication (3550B) (SOP # 3304S)

PSDDA (2ϕ ppb)
~~In-House (67ppb)~~

Preparation Test PNA # 1
ARI Job No(s) RG51, RG54, RG6ϕ

Batch set up by: ~~SH~~

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (dry wt)	Sonic Horn ID	KD	TurboVap (1) 2 3	(Opt) SilicaGel Clean (1:1) (Y) / N	TurboVap (1) 2 3	Final Effective Volume	Volume to Lab	Comments
	RG51 MBS	Date 08/10/10	~~7.50g~~ 25.00g	12					0.5mL	0.5mL	10g Actual
	SBS	↓	↓	11					↓	↓	↓
	~~SBS Dup.~~		↓						↓	↓	
2	RG51 A	checked	28.46	10							
2	B		27.03	9							
2	C		27.02	8							
1	E		27.02	7							
2	F		27.36	6							
2	Fms		27.12	5							
2	Fmsd		27.08	4							
8	RG54 A		28.84	3							See Notes
8	B		28.12	2							
8	C		28.64	1							
8	E		29.33	12							See Notes
8	F		29.15	11							
8	H		27.00	10							See Notes
8	I		27.60	9							
8	J		27.25	8							
8	L		28.68	7							
6	RG6ϕ A		27.29	6							See Notes
6	B		27.20	5							
6	C		28.16	4							
6	D		28.63	3							
6	E		28.20	2							
6	F	↓	28.02	1							
Analyst/Date		AR 08/10/10			PP DAS 8/11/10	MW 8/11/10					MW 8/11

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	A	125µL	[illegible]	[signature]	[signature] 08/10/10
8270 PNA Spike	20	125µL	[illegible]	[signature]	[signature] 08/10/10
Extraction Time: 11:35		250mL	Balance ID: [illegible]		

SPECIAL INSTRUCTIONS: 1. Weigh into ~~100~~250mL beakers. 2. Extract 2X with 1:1 DCM/Acetone. Plus 1 X DCM only. 3. Collect into ~~150mL beaker~~ 250mL flask with 5-10g sodium sulfate in the bottom + small funnel with pre-rinsed neutral glasswool. NO SODIUM SULFATE. 4. KD (small drying column) to 8mL at 85-90°. 5. Exchange (2 X with 10mL) to Hexane at 100°. 6. TurboVap. 7. Silica Clean-up-Root Beer Color? (All or none) Y / N. 8. TurboVap (if Silica Clean). 9. Vial in DCM.
A. Need Total Solids Y / (N) B. Archive Freeze Y / N

Incorporated
Analytical Chemists and Consultants

RUSH

Organic Extractions Benchsheet

(8270) PNA Soil/ Sediment
Sonication (3550C) (SOP # 3304S)

P50DA (25ppb)
~~In-House (67ppb)~~

Preparation Test PNA # 1

ARI Job No(s) RG54 (RX), RG6P (RX)

Batch set up by: JL

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (dry wt)	Sonic Horn ID + Check	KD Hex X X 2	TurboVap (1) 2 3	SilicaGel Clean (REQ) ~~(Opt)~~ (1:1) (Y) N	TurboVap (1) 2 3	Final Effective Volume	Volume to Lab	Comments
	RG54(RX) MBS	Date 8-17-14	~~7.50g~~ 25.2 g	1					0.5mL	0.5mL	~~1 g Actual~~
	SBS			2							
	~~SBS Dup.~~										
8	RG54(RX) A2	verified	7.47	3							See notes
5	RG6P(RX) A2		7.09	4							
6	B2		7.19	5							
6	C2		7.49	6							
					TS 8-18-10	SP 8/18/10	SP 8/18/10				
Analyst/Date		AC 8-17-14									

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	A	125µL	1/22/11	WC	AC
8270 PNA Spike	20	125µL	12/24/14	WC	AC
Extraction Time: 15:20			Balance ID: 21754520		

SPECIAL INSTRUCTIONS: 1. Weigh into 100mL beakers. 2. Extract 2X with 1:1 DCM/Acetone. Plus 1 X DCM only. 3. Collect into 150mL beaker with 5-10g sodium sulfate in the bottom + small funnel with pre-rinsed neutral glasswool. NO SODIUM SULFATE. 4. KD (small drying column) to 8mL at 85-90°. 5. Exchange (2 X with 10mL) to Hexane at 100°. 6. TurboVap. 7. Silica Clean-up-Root Beer Color? (All ~~or none~~) (Y) N. 8. TurboVap (if Silica Clean). 9. Vial in DCM.
A. Need Total Solids Y (N) B. ~~Archive~~ Freeze (Y) N

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG6Ø Client ID: Floyd/Snider

Parameter: 827Ø PNA Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	JW 8/3/1Ø
☒ **No Anomalies (standard soil/sediment)** A-F	
☐ **Wet sediment/sludge=**	
☐ **Standing Water Decanted=**	
☐ **Standing Water Homogenized (Shared samples)=**	
☐ **Clay (Difficult to homogenize/Mixed with Kitchen Aid)=**	
☒ **Rocks/Organics=** A, C, D	
☐ **Oily, obvious fuel/sulfur odors=**	
☐ **Other (Details)=**	
Aqueous:	
☐ **No Anomalies**	
☐ **Turbid/Color=**	
☐ **Particulates=**	
☐ **Emulsions=**	
☐ **Other (Details)=**	
☒ **Other Notes/Comments=** A, B, C ~ extracts centrifuged to separate Gross particulates prior to filtering for SPE	

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Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG54 (RX) / RG6Ø (RX) Client ID: Floyd/Snider

Parameter: 827Ø PNA PSØØA Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☐ No Anomalies (standard soil/sediment)	
☐ Wet sediment/sludge=	
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☐ Rocks/Organics=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☒ Other Notes/Comments= Re-extracted Samples 7g to a Ø.5mL final Volume as per laboratory director.	SH 8/17/1Ø
RG54 A_2, RG6Ø A_2, RG6Ø B_2 + RG6Ø C_2 - centrifuged extracts prior to turbovap to remove particulates.	SP 8/18/1Ø

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Serial # 00547

REQUEST FOR RE-EXTRACTION / RE-ANALYSIS
(Organic Analyses)

Todays Date: 8/16/10
Client Name: Flagged / Supplete
ARI Project Number: RG54 & RG60
Client Project: Lora Lake RI
Analysis: 8270 PAH (PSDDA)
Turn Around Time: 8/10/10
Project Manager: SM
Date Sampled: 7/28/10
Sample Matrix Soil

Criteria Flagged

Unacceptable Blank:	☐	**Unacceptable Surrogate:**	☒
Unacceptable Duplicate:	☐	**Instrument Problem:**	☐
Unacceptable Spike:	☐	**Other:**	☐
Overwrite LIMS:	☐	**Enter as Re-extract:**	☐
Re-Extract In Holding:	☐	**Sample Frozen?:**	☐
Re-Extract Out of Holding:	☐	**Holding Time Remaining:**	☐

Details of Problem / Recommended Corrective Action

SS Recovery low.
Please see "BB" for corrective action.

Samples Affected

RG54A ; RG60A, B & C

Corrective Action Taken

Analyst: _____ **Supervisor:** _____
Date: _____ **Date:** _____

PM Approval: _____
Date: _____

RG60 : 00421

Semivolatile PAH Raw Data
Initial Calibration

ARI Job ID: RG60

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: ____ Client ID: ____

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 NT-6 NT-8 NT11

Curve Date: 7/23/10 Analysis Start Date: 7/23/10

DFTPP Tune Meets Criteria?	YES / NO	Internal Standard Meets Criteria?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	Method Blank In Control?	YES / NO / NA
Peak Tailing Factor ≤2?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO / NA
Q flag applied?	YES / NO	Q flag applied?	YES / NO
Surrogate Recovery in Control?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes / NO / NA

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Two compounds @ linear curve fit.

Additional Details on Reverse: Yes / No

Analyst: ____ **Date:** 07/26/10

Reviewer: ____ **Date:** 7/26/10

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20100723.b/07231002.D
Level 2: /chem1/nt6.i/20100723.b/07231003.D
Level 3: /chem1/nt6.i/20100723.b/07231004.D
Level 4: /chem1/nt6.i/20100723.b/07231001.D
Level 5: /chem1/nt6.i/20100723.b/07231005.D
Level 6: /chem1/nt6.i/20100723.b/07231006.D
Level 7: /chem1/nt6.i/20100723.b/07231007.D

B 07/26/10

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
186 Carbaryl	0.52977	0.47325	0.61814	0.60108	0.60183	0.56738	0.56361	0.56501	8.893
179 n-Decane	1.30295	1.13144	1.17576	1.12634	1.10387	1.04830	1.01836	1.12957	8.229
180 n-Octadecane	0.46718	0.42555	0.43641	0.39738	0.36784	0.33613	0.32003	0.39293	13.806
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Pentachlorobenzene	0.60186	0.53250	0.55894	0.54825	0.55050	0.53139	0.53253	0.55085	4.523
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Butylatedhydroxytoluene	1.30909	1.21610	1.18712	1.11886	1.06955	1.02859	0.95110	1.12577	10.800
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
144 alpha-Terpineol	0.25182	0.24104	0.24573	0.23829	0.24115	0.23457	0.22750	0.24001	3.244
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 Acetophenone	1.84319	1.73378	1.77490	1.74051	1.72755	1.65306	1.61433	1.72676	4.371
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 1,4-Dioxane	0.59514	0.55269	0.57759	0.57316	0.57745	0.55960	0.56023	0.57084	2.532
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 2,3,4,6-Tetrachlorophenol	0.36744	0.39880	0.41626	0.43155	0.44579	0.45431	0.44511	0.42275	7.341

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
178 2-Benzyl-4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
118 Triphenyl Phosphate	0.22270	0.18490	0.19777	0.23461	0.21824	0.23636	0.23491	0.21850	9.200
117 Butyl Diphenyl Phosphate	0.23132	0.20255	0.20803	0.23443	0.21391	0.22397	0.21525	0.21849	5.428
116 Dibutyl Phenyl Phosphate	0.68627	0.76192	0.76950	0.75246	0.74004	0.71386	0.67452	0.72837	5.142
115 Tributyl Phosphate	1.12856	1.13872	1.13497	1.07164	1.03189	0.98475	0.91681	1.05819	8.054
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Diphenyl Oxide	1.53546	1.31951	1.36647	1.28948	1.22753	1.16194	1.12652	1.28956	10.689
112 Biphenyl	+++++	1.59664	1.63155	1.49389	1.39001	1.27465	1.19789	1.43077	12.189

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
111 Azobenzene (1,2-DP-Hydrazine)	1.57438	1.43424	1.49821	1.42379	1.37937	1.27319		
	1.32256						1.41510	7.224
110 Tetrachloroguaiacol	+++++	0.14646	0.16171	0.16055	0.15529	0.15347		
	0.14766						0.15419	4.112
109 3,4,5-Trichloroguaiacol	+++++	0.14975	0.16112	0.15998	0.15730	0.15863		
	0.15358						0.15673	2.744
181 3,4,6-Trichloroguaiacol	+++++	0.46068	0.51059	0.53282	0.55514	0.56584		
	0.55567						0.53012	7.434
108 4,5,6-Trichloroguaiacol	+++++	0.22564	0.25405	0.25473	0.25582	0.25861		
	0.25789						0.25112	5.020
184 3,4-Dichloroguaiacol	+++++	0.41063	0.45682	0.46408	0.48450	0.49162		
	0.48416						0.46530	6.433
107 4,5-Dichloroguaiacol	+++++	0.29660	0.32878	0.32291	0.31726	0.31810		
	0.30860						0.31537	3.604
182 4,6-Dichloroguaiacol	+++++	0.51548	0.57045	0.56609	0.57861	0.58642		
	0.56693						0.56399	4.433
185 4-Chloroguaiacol	+++++	0.53454	0.56196	0.59394	0.59906	0.60299		
	0.58799						0.58008	4.588

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
106 Guaiacol	1.31655	1.24004	1.23299	1.18332	1.18795	1.16704	1.12217	1.20715	5.183
105 1-methylnaphthalene	0.74149	0.66501	0.67894	0.64252	0.61983	0.58074	0.55698	0.64079	9.715
151 1,2,4,5-Tetrachlorobenzene	0.80474	0.73406	0.71934	0.70252	0.69462	0.68639	0.65422	0.71370	6.648
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Phenol	1.89881	1.92806	1.75475	1.69716	1.59437	1.52833	1.53020	1.70453	9.695
4 Bis(2-Chloroethyl)ether	1.50887	1.36105	1.31022	1.31066	1.26776	1.18856	1.19962	1.30667	8.313
6 2-Chlorophenol	1.65200	1.61864	1.51267	1.47180	1.38752	1.35040	1.32343	1.47378	8.739
7 1,3-Dichlorobenzene	1.94687	1.78065	1.78276	1.72433	1.67465	1.58381	1.52440	1.71678	8.165
9 1,4-Dichlorobenzene	1.86926	1.70537	1.74943	1.70915	1.66135	1.56577	1.51292	1.68189	7.011
11 Benzyl alcohol	0.77509	0.79840	0.85212	0.82991	0.81569	0.77911	0.79833	0.80695	3.424
12 1,2-Dichlorobenzene	1.81140	1.64005	1.63637	1.54853	1.50623	1.40215	1.40328	1.56400	9.333
13 2-Methylphenol	1.38158	1.39693	1.30099	1.28263	1.22315	1.18744	1.12503	1.27111	7.847

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
14 2,2'-oxybis(1-Chloropropane)	1.56111	1.45840	1.45760	1.39900	1.35796	1.27681	1.24232	1.39331	7.980
15 4-Methylphenol	1.33792	1.43605	1.32248	1.26810	1.21133	1.13770	1.07044	1.25486	9.980
16 N-Nitroso-di-n-propylamine	0.96975	0.90964	0.92513	0.89191	0.88013	0.81864	0.79055	0.88368	6.974
17 Hexachloroethane	0.69156	0.62895	0.62970	0.61801	0.59719	0.55598	0.53161	0.60757	8.670
19 Nitrobenzene	0.49447	0.44806	0.45461	0.43234	0.41483	0.38265	0.38832	0.43075	9.139
20 Isophorone	0.74620	0.69226	0.71744	0.69327	0.67659	0.64123	0.63503	0.68600	5.768
21 2-Nitrophenol	0.24226	0.25813	0.25659	0.26172	0.25436	0.25160	0.24453	0.25274	2.824
22 2,4-Dimethylphenol	0.45174	0.45432	0.43299	0.42026	0.39913	0.38380	0.36884	0.41587	7.975
23 Bis(2-Chloroethoxy)methane	0.52038	0.47785	0.50468	0.47961	0.46835	0.44098	0.43564	0.47536	6.495

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD	
24 Benzoic acid	+++++	0.25353	0.27552	0.32032	0.32546	0.33540	0.33426	0.30742	11.190	
25 2,4-Dichlorophenol	0.37024	0.39379	0.37568	0.36588	0.35534	0.35112	0.33685	0.36413	5.069	
26 1,2,4-Trichlorobenzene	0.45200	0.40330	0.41475	0.40421	0.39011	0.36396	0.35612	0.39778	8.106	
28 Naphthalene	1.34365	1.20046	1.23378	1.14951	1.08605	0.97778	0.92143	1.13038	13.040	
29 4-Chloroaniline	0.50552	0.47709	0.49634	0.45962	0.44170	0.40294	0.38655	0.45282	10.003	
30 Hexachlorobutadiene	0.25638	0.22668	0.23442	0.23404	0.22968	0.22252	0.22014	0.23198	5.186	
31 4-Chloro-3-methylphenol	0.36042	0.36903	0.36214	0.35815	0.34753	0.33596	0.32412	0.35105	4.578	
32 2-Methylnaphthalene	0.72760	0.63815	0.66651	0.61721	0.59789	0.55861	0.53653	0.62036	10.468	
33 Hexachlorocyclopentadiene	0.20062	0.29421	0.36461	0.40146	0.41997	0.41627	0.41693	0.35915	23.148	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
34 2,4,6-Trichlorophenol	0.43015	0.47052	0.46116	0.47882	0.45477	0.45554	0.45431	0.45790	3.343
35 2,4,5-Trichlorophenol	0.47628	0.47205	0.46476	0.48592	0.46888	0.47285	0.46652	0.47246	1.505
37 2-Chloronaphthalene	1.54535	1.40750	1.43034	1.34606	1.26852	1.17397	1.13390	1.32938	11.042
38 2-Nitroaniline	0.31929	0.32596	0.34177	0.33767	0.33711	0.32812	0.32675	0.33095	2.425
39 Dimethylphthalate	1.63732	1.49856	1.57686	1.53153	1.48535	1.40593	1.37278	1.50119	6.141
40 Acenaphthylene	2.38812	2.20629	2.26228	2.11737	1.97889	1.77863	1.67677	2.05833	12.636
41 2,6-Dinitrotoluene	0.32513	0.34390	0.36822	0.36347	0.36531	0.36325	0.36762	0.35670	4.543
43 3-Nitroaniline	0.32531	0.33792	0.35741	0.33779	0.31058	0.26898	0.24663	0.31209	12.886
44 Acenaphthene	1.44933	1.31145	1.35758	1.30569	1.26041	1.17354	1.13988	1.28541	8.251

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	RRF	% RSD	
	80.000 Level 7								
45 2,4-Dinitrophenol	+++++	0.15972	0.20982	0.26548	0.28518	0.29643			
	0.29677						0.25223	22.113	<-
46 Dibenzofuran	1.97073	1.74217	1.82392	1.71558	1.65479	1.55243			
	1.49208						1.70738	9.485	
47 4-Nitrophenol	0.14465	0.19170	0.19502	0.19549	0.19673	0.18950			
	0.18556						0.18552	9.937	
48 2,4-Dinitrotoluene	0.41495	0.43227	0.46723	0.47394	0.48074	0.47156			
	0.47542						0.45944	5.510	
49 Fluorene	1.72499	1.50935	1.55160	1.46516	1.39788	1.29602			
	1.23768						1.45467	11.263	
50 Diethylphthalate	1.65609	1.44115	1.46874	1.35703	1.30203	1.29409			
	1.24820						1.39533	10.031	
51 4-Chlorophenyl-phenylether	0.77786	0.71006	0.72927	0.72419	0.71697	0.69184			
	0.68535						0.71936	4.228	
52 4-Nitroaniline	0.31952	0.34487	0.36113	0.34628	0.35407	0.35027			
	0.35598						0.34745	3.896	
53 4,6-Dinitro-2-methylphenol	+++++	0.17800	0.18906	0.20650	0.20336	0.20685			
	0.20459						0.19806	5.985	

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
54 N-Nitrosodiphenylamine	0.76057	0.71351	0.72399	0.68723	0.66721	0.63370	0.60826	0.68493	7.745
56 4-Bromophenyl-phenylether	0.30519	0.28523	0.29802	0.29933	0.29604	0.28568	0.28366	0.29331	2.865
57 Hexachlorobenzene	0.32868	0.30770	0.31766	0.31238	0.30543	0.29668	0.29438	0.30899	3.861
58 Pentachlorophenol	0.11687	0.16065	0.17900	0.20167	0.20189	0.20915	0.20910	0.18262	18.647
60 Phenanthrene	1.45576	1.29440	1.34343	1.25583	1.19585	1.10163	1.04929	1.24231	11.283
61 Anthracene	1.47639	1.34925	1.39267	1.32351	1.24238	1.13218	1.06711	1.28336	11.313
62 Carbazole	1.36692	1.28291	1.30155	1.20074	1.12860	1.04899	1.00778	1.19107	11.334
63 Di-n-butylphthalate	1.55627	1.55895	1.61948	1.54279	1.42773	1.30015	1.21295	1.45976	10.426
64 Fluoranthene	1.46938	1.43951	1.47419	1.40730	1.31885	1.19659	1.11705	1.34612	10.490

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
65 Pyrene	1.49138	1.14703	1.19893	1.29849	1.13413	1.10935	1.05243	1.20453	12.295
67 Butylbenzylphthalate	0.59487	0.51715	0.56810	0.65458	0.58263	0.58548	0.57376	0.58237	6.979
68 Benzo(a)anthracene	1.39098	1.06661	1.10750	1.25843	1.10391	1.09815	1.06749	1.15615	10.590
70 3,3'-Dichlorobenzidine	0.44402	0.35360	0.36752	0.40197	0.35390	0.35362	0.35158	0.37517	9.396
71 Chrysene	1.33967	1.00093	1.04247	1.16040	1.03078	1.01541	0.98576	1.08220	11.749
72 bis(2-Ethylhexyl)phthalate	0.62188	0.63105	0.67615	0.66016	0.63926	0.61152	0.59845	0.63407	4.277
73 Di-n-octylphthalate	1.27928	1.13221	1.13885	1.09382	1.03609	0.97292	0.93556	1.08410	10.667
74 Benzo(b)fluoranthene	1.49258	1.30818	1.42583	1.36294	1.34299	1.22771	1.21188	1.33887	7.544
75 Benzo(k)fluoranthene	1.69142	1.56076	1.49557	1.43389	1.27991	1.16420	1.04777	1.38193	16.524

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Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
76 Benzo(a)pyrene	1.39809	1.28696	1.36282	1.28220	1.24651	1.15033	1.10139	1.26119	8.455
78 Indeno(1,2,3-cd)pyrene	1.85894	1.70038	1.76063	1.70804	1.67153	1.58151	1.52926	1.68718	6.486
79 Dibenzo(a,h)anthracene	1.37073	1.33009	1.38098	1.33329	1.29862	1.21997	1.14185	1.29650	6.673
80 Benzo(g,h,i)perylene	1.72129	1.54055	1.57913	1.53478	1.50241	1.41521	1.36024	1.52194	7.655
90 N-Nitrosodimethylamine	0.88469	0.84172	0.89111	0.87943	0.86425	0.83117	0.84254	0.86213	2.766
91 Aniline	2.06700	2.01319	2.07738	1.99420	1.93682	1.81178	1.76492	1.95218	6.251
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Benzidine	0.45260	0.44131	0.41100	0.39901	0.33246	0.33127	0.32392	0.38451	14.241
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Integrator : HP RTE
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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 Retene	0.44717	0.37047	0.39056	0.44711	0.41452	0.43343	0.41808	0.41733	6.887
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 Pyridine	1.33649	1.51578	1.62048	1.61940	1.61272	1.55018	1.53311	1.54116	6.500
187 Total Benzofluoranthenes	1.54483	1.34994	1.36948	1.31896	1.23716	1.13146	1.06285	1.28781	12.488
$ 1 2-Fluorophenol	1.32504	1.31481	1.36463	1.36344	1.32946	1.27501	+++++	1.32873	2.516

Analytical Resources, Inc.

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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
$ 137 d8-1,4-Dioxane	0.56856	0.53848	0.55643	0.58008	0.57549	0.56934	0.56922	0.56537	2.462
$ 2 Phenol-d5	1.69382	1.55249	1.59277	1.52515	1.45467	1.38972	+++++	1.53477	6.928
$ 5 2-Chlorophenol-d4	1.47973	1.30309	1.34183	1.27103	1.21380	1.16836	+++++	1.29631	8.421
$ 10 1,2-Dichlorobenzene-d4	0.96853	0.89668	0.93034	0.89435	0.87040	0.83604	+++++	0.89939	5.125
$ 18 Nitrobenzene-d5	0.42483	0.37416	0.39663	0.39082	0.38152	0.36335	+++++	0.38855	5.494
$ 36 2-Fluorobiphenyl	1.65520	1.41789	1.44387	1.37047	1.29517	1.21808	+++++	1.40011	10.705
$ 55 2,4,6-Tribromophenol	0.16694	0.16130	0.18415	0.19150	0.19308	0.19643	+++++	0.18223	8.067
$ 66 Terphenyl-d14	0.84857	0.61959	0.66571	0.76006	0.67516	0.68193	+++++	0.70850	11.610
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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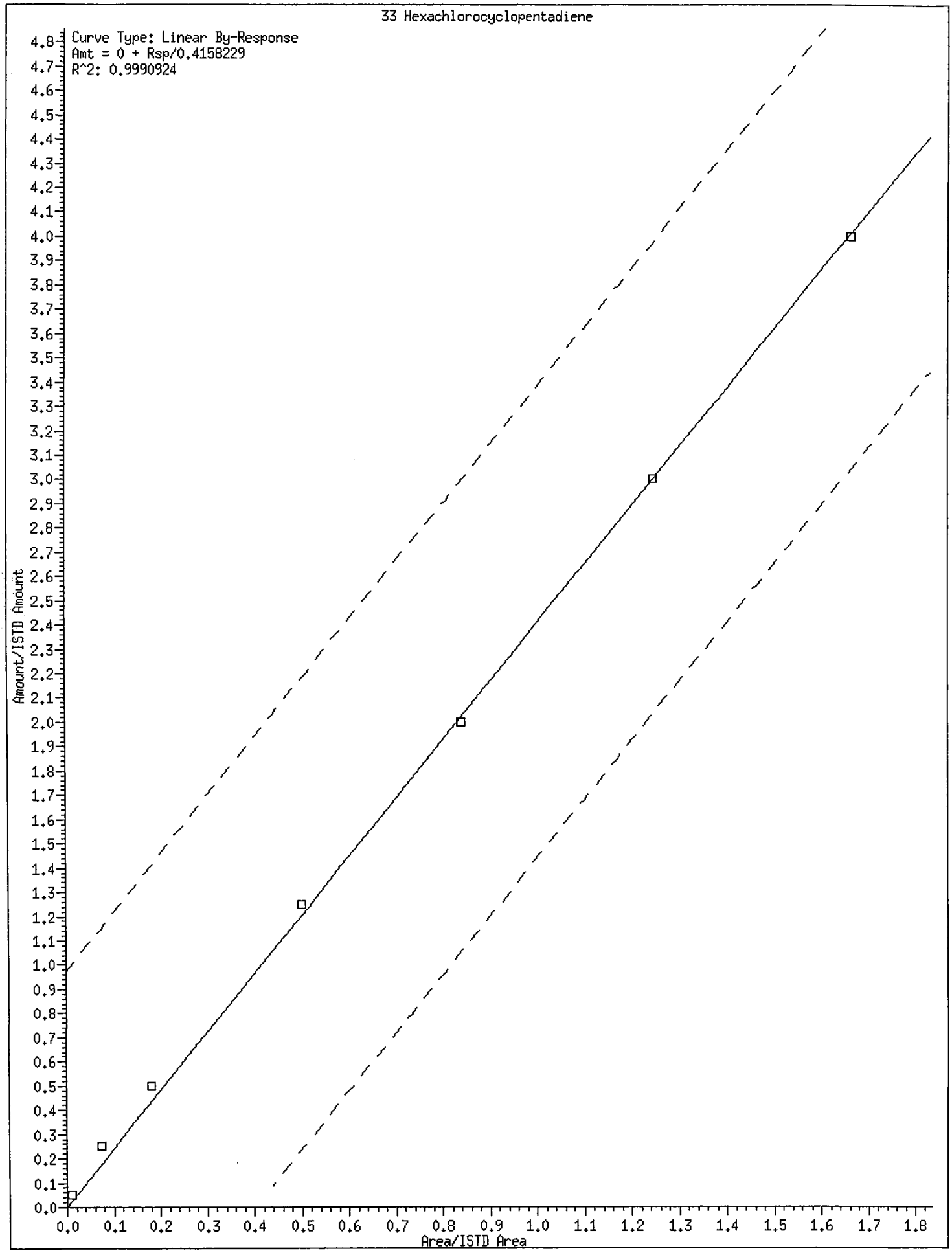
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing

07/26/10

Compound	1 Level 1 / 80 Level 7	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 4-Chloro-3-methylphenol	0.36042 0.32412	0.36903	0.36214	0.35815	0.34753	0.33596	AVRG		0.35105		4.57798
32 2-Methylnaphthalene	0.72760 0.53653	0.63815	0.66651	0.61721	0.59789	0.55861	AVRG		0.62036		10.46774
33 Hexachlorocyclopentadiene	3366 562487	24140	58996	160807	275445	425348	LINR	0.000e+00	0.41582		0.99909
34 2,4,6-Trichlorophenol	0.43015 0.45431	0.47052	0.46116	0.47882	0.45477	0.45554	AVRG		0.45790		3.34343
35 2,4,5-Trichlorophenol	0.47628 0.46652	0.47205	0.46476	0.48592	0.46888	0.47285	AVRG		0.47246		1.50508
37 2-Chloronaphthalene	1.54535 1.13390	1.40750	1.43034	1.34606	1.26852	1.17397	AVRG		1.32938		11.04215
38 2-Nitroaniline	0.31929 0.32675	0.32596	0.34177	0.33767	0.33711	0.32812	AVRG		0.33095		2.42548


33 Hexachlorocyclopentadiene
Curve Type: Linear By-Response
Amt = 0 + Rsp/0.4158229
R^2: 0.9990924
Amount/ISTD Amount
Area/ISTD Area

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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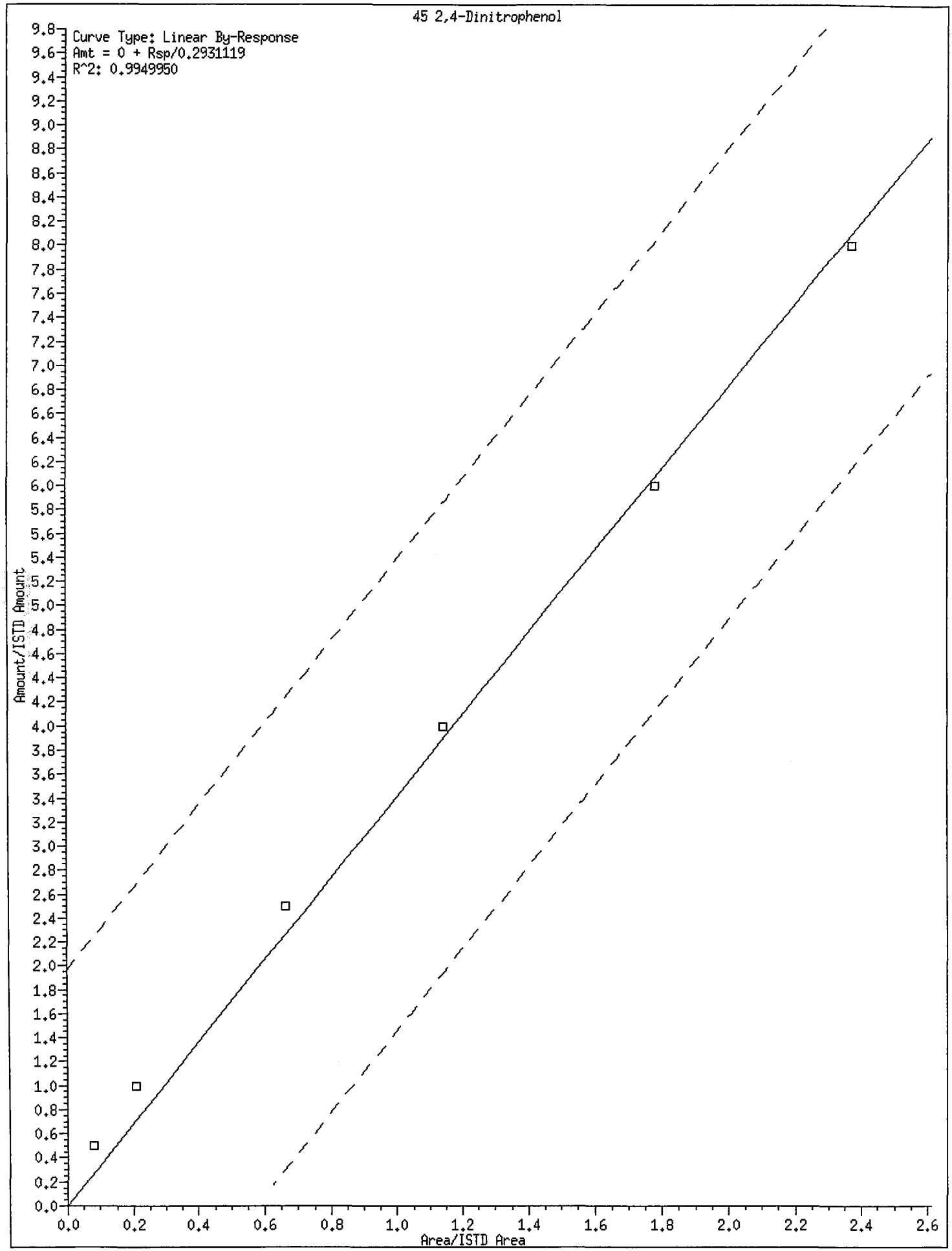
Cal Date : 26-Jul-2010 11:29 jianqing

JZ 07/26/10

Compound	1 Level 1 / 80 Level 7	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Dimethylphthalate	1.63732 1.37278	1.49856	1.57686	1.53153	1.48535	1.40593	AVRG		1.50119		6.14147
40 Acenaphthylene	2.38812 1.67677	2.20629	2.26228	2.11737	1.97889	1.77863	AVRG		2.05833		12.63575
41 2,6-Dinitrotoluene	0.32513 0.36762	0.34390	0.36822	0.36347	0.36531	0.36325	AVRG		0.35670		4.54287
43 3-Nitroaniline	0.32531 0.24663	0.33792	0.35741	0.33779	0.31058	0.26898	AVRG		0.31209		12.88590
44 Acenaphthene	1.44933 1.13988	1.31145	1.35758	1.30569	1.26041	1.17354	AVRG		1.28541		8.25094
45 2,4-Dinitrophenol	+++++ 800753	26211	67900	212676	374074	605790	LINR	0.000e+00	0.29311		0.99500
46 Dibenzofuran	1.97073 1.49208	1.74217	1.82392	1.71558	1.65479	1.55243	AVRG		1.70738		9.48459


45 2,4-Dinitrophenol
Curve Type: Linear By-Response
Amt = 0 + Rsp/0.2931119
R^2: 0.9949950
Amount/ISTD Amount
Area/ISTD Area
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
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Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	07231001	07231002	07231003	07231004	07231005	07231006	07231007
INJ.DATE:	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010
INJ.TIME:	15:01	15:38	16:16	16:52	17:29	18:01	18:38

AB 07/26/10

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	5.605	5.602	5.601	5.605	5.605	5.610	+++++	5.605	2.605-8.605	5.605	0.003
186 Carbaryl	15.689	15.686	15.680	15.684	15.689	15.694	15.702	15.689	12.689-18.689	15.689	0.007
179 n-Decane	7.448	7.440	7.444	7.443	7.448	7.453	7.450	7.448	4.448-10.448	7.447	0.005
180 n-Octadecane	14.829	14.826	14.825	14.824	14.829	14.829	14.832	14.829	11.829-17.829	14.828	0.003
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.531	15.531-21.531	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.634	13.634-19.634	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.863	13.863-19.863	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.605	17.605-23.605	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.015	14.015-20.015	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.562	14.562-20.562	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.781	3.781-9.781	+++++	+++++
168 Pentachlorobenzene	12.853	12.850	12.849	12.853	12.858	12.863	12.866	12.853	9.853-15.853	12.856	0.007
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: 7/26/10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.269	36.269-42.269	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
$ 137 d8-1,4-Dioxane	2.107	2.109	2.103	2.107	2.112	2.122	2.125	2.107	0.000-5.107	2.112	0.008
* 134 Di-n-octylphthalate-d4	20.346	20.344	20.343	20.347	20.347	20.346	20.354	20.346	17.346-23.346	20.347	0.004
133 Butylatedhydroxytoluen	12.698	12.695	12.694	12.698	12.698	12.703	12.706	12.698	9.698-15.698	12.699	0.004
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	9.718	9.715	9.714	9.718	9.723	9.728	9.731	9.718	6.718-12.718	9.721	0.007
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	8.302	8.300	8.299	8.303	8.308	8.313	8.316	8.302	5.302-11.302	8.306	0.007
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	2.149	2.152	2.146	2.150	2.155	2.165	2.168	2.149	0.000-5.149	2.155	0.008
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	13.104	13.107	13.100	13.104	13.110	13.109	13.112	13.104	10.104-16.104	13.107	0.004
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.128	13.128-19.128	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	18.723	18.720	18.714	18.718	18.723	18.722	18.731	18.723	15.723-21.723	18.721	0.005
117 Butyl Diphenyl Phospha	17.126	17.123	17.122	17.126	17.126	17.131	17.134	17.126	14.126-20.126	17.127	0.004
116 Dibutyl Phenyl Phospha	15.449	15.446	15.445	15.449	15.454	15.454	15.457	15.449	12.449-18.449	15.450	0.004
115 Tributyl Phosphate	13.734	13.726	13.731	13.729	13.745	13.755	13.763	13.734	10.734-16.734	13.741	0.014
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	11.779	11.777	11.776	11.774	11.780	11.779	11.782	11.779	8.779-14.779	11.778	0.003
112 Biphenyl	11.582	11.579	11.578	11.577	11.582	11.587	11.590	11.582	8.582-14.582	11.582	0.005
111 Azobenzene (1,2-DP-Hyd	13.654	13.646	13.650	13.649	13.654	13.659	13.667	13.654	10.654-16.654	13.654	0.007
110 Tetrachloroguaiacol	14.824	14.821	14.820	14.824	14.829	14.834	14.842	14.824	11.824-17.824	14.828	0.008
109 3,4,5-Trichloroguaiaco	13.205	13.203	13.202	13.206	13.211	13.210	13.219	13.205	10.205-16.205	13.208	0.006
181 3,4,6-Trichloroguaiaco	13.323	13.320	13.314	13.318	13.323	13.328	13.331	13.323	10.323-16.323	13.322	0.006
108 4,5,6-Trichloroguaiaco	14.242	14.239	14.238	14.237	14.242	14.247	14.250	14.242	11.242-17.242	14.242	0.005
184 3,4-Dichloroguaiacol	11.667	11.670	11.669	11.667	11.673	11.672	11.675	11.667	8.667-14.667	11.671	0.003
107 4,5-Dichloroguaiacol	12.463	12.460	12.459	12.458	12.469	12.468	12.476	12.463	9.463-15.463	12.465	0.007
182 4,6-Dichloroguaiacol	12.463	12.460	12.459	12.458	12.469	12.468	12.476	12.463	9.463-15.463	12.465	0.007
185 4-Chloroguaiacol	10.594	10.586	10.590	10.594	10.594	10.593	10.596	10.594	7.594-13.594	10.592	0.003

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	8.575	8.572	8.571	8.575	8.580	8.585	8.588	8.575	5.575-11.575	8.578	0.007
105 1-methylnaphthalene	10.968	10.965	10.964	10.968	10.968	10.973	10.975	10.968	7.968-13.968	10.969	0.004
151 1,2,4,5-Tetrachloroben	11.138	11.136	11.135	11.133	11.139	11.138	11.141	11.138	8.138-14.138	11.137	0.003
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.442	20.442-26.442	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.968	18.968-24.968	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.466	20.466-26.466	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.866	19.866-25.866	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.413	20.413-26.413	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.952	21.952-27.952	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.721	18.721-24.721	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.159	15.159-21.159	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
$ 2 Phenol-d5	7.207	7.205	7.204	7.202	7.213	7.218	0.000	7.207	4.207-10.207	6.178	2.724
3 Phenol	7.229	7.221	7.220	7.224	7.229	7.239	7.237	7.229	4.229-10.229	7.228	0.008
4 Bis(2-Chloroethyl)ethe	7.282	7.274	7.273	7.277	7.282	7.287	7.290	7.282	4.282-10.282	7.281	0.006
$ 5 2-Chlorophenol-d4	7.293	7.296	7.295	7.293	7.298	7.303	+++++	7.293	4.293-10.293	7.296	0.004

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	6 2-Chlorophenol	7.320	7.317	7.316	7.320	7.320	7.325	7.327	7.320	4.320-10.320	7.321	0.004
	7 1,3-Dichlorobenzene	7.523	7.525	7.524	7.523	7.528	7.533	7.530	7.523	4.523-10.523	7.527	0.004
*	8 1,4-Dichlorobenzene-d4	7.592	7.589	7.588	7.592	7.592	7.597	7.595	7.592	4.592-10.592	7.592	0.003
	9 1,4-Dichlorobenzene	7.619	7.616	7.615	7.614	7.619	7.624	7.621	7.619	4.619-10.619	7.618	0.004
$	10 1,2-Dichlorobenzene-d4	7.891	7.888	7.887	7.891	7.891	7.896	0.000	7.891	4.891-10.891	6.764	2.983
	11 Benzyl alcohol	7.896	7.894	7.893	7.897	7.902	7.907	7.910	7.896	4.896-10.896	7.900	0.007
	12 1,2-Dichlorobenzene	7.912	7.910	7.909	7.913	7.913	7.918	7.915	7.912	4.912-10.912	7.913	0.003
	13 2-Methylphenol	8.158	8.150	8.155	8.153	8.158	8.163	8.166	8.158	5.158-11.158	8.158	0.006
	14 2,2'-oxybis(1-Chloropr	8.158	8.155	8.160	8.158	8.158	8.163	8.161	8.158	5.158-11.158	8.159	0.002
	15 4-Methylphenol	8.393	8.385	8.389	8.388	8.399	8.404	8.406	8.393	5.393-11.393	8.395	0.008
	16 N-Nitroso-di-n-propyla	8.377	8.369	8.368	8.367	8.383	8.388	8.390	8.377	5.377-11.377	8.377	0.010
	17 Hexachloroethane	8.398	8.396	8.400	8.399	8.399	8.404	8.406	8.398	5.398-11.398	8.400	0.004
$	18 Nitrobenzene-d5	8.537	8.529	8.528	8.532	8.538	8.542	+++++	8.537	5.537-11.537	8.535	0.005
	19 Nitrobenzene	8.564	8.556	8.560	8.559	8.570	8.574	8.572	8.564	5.564-11.564	8.565	0.007
	20 Isophorone	8.949	8.941	8.945	8.944	8.954	8.959	8.967	8.949	5.949-11.949	8.951	0.010
	21 2-Nitrophenol	9.082	9.079	9.079	9.082	9.082	9.087	9.090	9.082	6.082-12.082	9.083	0.004
	22 2,4-Dimethylphenol	9.226	9.218	9.217	9.221	9.227	9.231	9.234	9.226	6.226-12.226	9.225	0.006
	23 Bis(2-Chloroethoxy)met	9.360	9.357	9.356	9.360	9.365	9.370	9.373	9.360	6.360-12.360	9.363	0.007
	24 Benzoic acid	9.477	9.347	9.383	9.419	9.520	9.568	9.603	9.477	6.477-12.477	9.474	0.096
	25 2,4-Dichlorophenol	9.477	9.475	9.474	9.472	9.478	9.482	9.485	9.477	6.477-12.477	9.478	0.005
	26 1,2,4-Trichlorobenzene	9.590	9.587	9.591	9.590	9.595	9.595	9.597	9.590	6.590-12.590	9.592	0.004
*	27 Naphthalene-d8	9.643	9.640	9.639	9.643	9.649	9.648	9.651	9.643	6.643-12.643	9.645	0.004
	28 Naphthalene	9.675	9.672	9.671	9.670	9.675	9.680	9.683	9.675	6.675-12.675	9.675	0.005
	29 4-Chloroaniline	9.835	9.838	9.837	9.835	9.841	9.840	9.843	9.835	6.835-12.835	9.839	0.003

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	30 Hexachlorobutadiene	10.006	10.003	10.003	10.001	10.006	10.006	10.009	10.006	7.006-13.006	10.005	0.003
	31 4-Chloro-3-methylpheno	10.674	10.671	10.670	10.669	10.674	10.679	10.682	10.674	7.674-13.674	10.674	0.005
	32 2-Methylnaphthalene	10.797	10.794	10.798	10.797	10.797	10.802	10.805	10.797	7.797-13.797	10.798	0.004
	33 Hexachlorocyclopentadi	11.181	11.179	11.183	11.181	11.181	11.181	11.184	11.181	8.181-14.181	11.181	0.002
	34 2,4,6-Trichlorophenol	11.325	11.323	11.322	11.320	11.326	11.330	11.333	11.325	8.325-14.325	11.326	0.005
	35 2,4,5-Trichlorophenol	11.384	11.387	11.380	11.379	11.384	11.389	11.392	11.384	8.384-14.384	11.385	0.005
$	36 2-Fluorobiphenyl	11.454	11.446	11.450	11.448	11.454	11.453	0.000	11.454	8.454-14.454	9.815	4.328
	37 2-Chloronaphthalene	11.571	11.568	11.567	11.571	11.577	11.576	11.579	11.571	8.571-14.571	11.573	0.004
	38 2-Nitroaniline	11.822	11.819	11.818	11.817	11.828	11.832	11.835	11.822	8.822-14.822	11.825	0.007
	39 Dimethylphthalate	12.207	12.199	12.198	12.202	12.207	12.217	12.220	12.207	9.207-15.207	12.207	0.009
	40 Acenaphthylene	12.244	12.241	12.246	12.244	12.250	12.249	12.252	12.244	9.244-15.244	12.247	0.004
	41 2,6-Dinitrotoluene	12.292	12.289	12.288	12.287	12.298	12.303	12.305	12.292	9.292-15.292	12.295	0.007
*	42 Acenaphthene-d10	12.500	12.498	12.497	12.495	12.501	12.500	12.503	12.500	9.500-15.500	12.499	0.003
	43 3-Nitroaniline	12.500	12.498	12.497	12.495	12.506	12.516	12.519	12.500	9.500-15.500	12.504	0.010
	44 Acenaphthene	12.548	12.546	12.545	12.549	12.554	12.559	12.562	12.548	9.548-15.548	12.552	0.007
	45 2,4-Dinitrophenol	12.666	12.663	12.662	12.661	12.672	12.682	12.690	12.666	9.666-15.666	12.671	0.011
	46 Dibenzofuran	12.810	12.808	12.807	12.810	12.816	12.821	12.823	12.810	9.810-15.810	12.814	0.007
	47 4-Nitrophenol	12.842	12.845	12.839	12.837	12.842	12.853	12.861	12.842	9.842-15.842	12.846	0.008
	48 2,4-Dinitrotoluene	12.917	12.909	12.908	12.912	12.917	12.927	12.930	12.917	9.917-15.917	12.917	0.009
	49 Fluorene	13.366	13.363	13.362	13.366	13.371	13.376	13.379	13.366	10.366-16.366	13.369	0.007
	50 Diethylphthalate	13.360	13.347	13.351	13.355	13.366	13.371	13.368	13.360	10.360-16.360	13.360	0.009
	51 4-Chlorophenyl-phenyle	13.403	13.400	13.399	13.403	13.409	13.408	13.411	13.403	10.403-16.403	13.405	0.004
	52 4-Nitroaniline	13.494	13.486	13.485	13.489	13.505	13.515	13.523	13.494	10.494-16.494	13.499	0.015
	53 4,6-Dinitro-2-methylph	13.563	13.555	13.554	13.558	13.574	13.584	13.593	13.563	10.563-16.563	13.569	0.015

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	54 N-Nitrosodiphenylamine	13.611	13.609	13.608	13.612	13.617	13.622	13.630	13.611	10.611-16.611	13.615	0.008
$	55 2,4,6-Tribromophenol	13.793	13.785	13.784	13.788	13.793	13.798	+++++	13.793	10.793-16.793	13.790	0.005
	56 4-Bromophenyl-phenylet	14.183	14.175	14.179	14.178	14.183	14.183	14.185	14.183	11.183-17.183	14.181	0.004
	57 Hexachlorobenzene	14.386	14.389	14.382	14.386	14.391	14.391	14.399	14.386	11.386-17.386	14.389	0.005
	58 Pentachlorophenol	14.696	14.693	14.692	14.691	14.696	14.701	14.704	14.696	11.696-17.696	14.696	0.005
*	59 Phenanthrene-d10	14.861	14.859	14.858	14.861	14.867	14.866	14.869	14.861	11.861-17.861	14.863	0.004
	60 Phenanthrene	14.899	14.896	14.895	14.893	14.904	14.909	14.912	14.899	11.899-17.899	14.901	0.007
	61 Anthracene	14.973	14.965	14.964	14.968	14.974	14.978	14.987	14.973	11.973-17.973	14.973	0.008
	62 Carbazole	15.267	15.264	15.263	15.267	15.273	15.272	15.280	15.267	12.267-18.267	15.270	0.006
	63 Di-n-butylphthalate	16.004	16.002	16.001	16.004	16.004	16.009	16.012	16.004	13.004-19.004	16.005	0.004
	64 Fluoranthene	16.827	16.824	16.823	16.822	16.827	16.832	16.835	16.827	13.827-19.827	16.827	0.005
	65 Pyrene	17.179	17.171	17.176	17.174	17.179	17.184	17.187	17.179	14.179-20.179	17.179	0.006
$	66 Terphenyl-d14	17.510	17.508	17.512	17.511	17.516	17.515	0.000	17.510	14.510-20.510	15.010	6.619
	67 Butylbenzylphthalate	18.413	18.410	18.404	18.408	18.413	18.413	18.421	18.413	15.413-21.413	18.412	0.005
	68 Benzo(a)anthracene	19.134	19.131	19.130	19.134	19.140	19.144	19.147	19.134	16.134-22.134	19.137	0.007
*	69 Chrysene-d12	19.161	19.153	19.157	19.156	19.166	19.166	19.169	19.161	16.161-22.161	19.161	0.006
	70 3,3'-Dichlorobenzidine	19.166	19.158	19.162	19.161	19.166	19.166	19.174	19.166	16.166-22.166	19.165	0.005
	71 Chrysene	19.198	19.190	19.194	19.198	19.204	19.209	19.217	19.198	16.198-22.198	19.201	0.009
	72 bis(2-Ethylhexyl)phtha	19.417	19.414	19.413	19.417	19.417	19.417	19.420	19.417	16.417-22.417	19.417	0.002
	73 Di-n-octylphthalate	20.357	20.354	20.354	20.357	20.357	20.362	20.360	20.357	17.357-23.357	20.357	0.003
	74 Benzo(b)fluoranthene	20.784	20.776	20.781	20.779	20.790	20.795	20.803	20.784	17.784-23.784	20.787	0.010
	75 Benzo(k)fluoranthene	20.816	20.808	20.813	20.811	20.822	20.832	20.840	20.816	17.816-23.816	20.821	0.012
	76 Benzo(a)pyrene	21.228	21.220	21.224	21.223	21.233	21.238	21.246	21.228	18.228-24.228	21.230	0.010
*	77 Perylene-d12	21.308	21.305	21.304	21.303	21.308	21.308	21.316	21.308	18.308-24.308	21.307	0.004

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
78 Indeno(1,2,3-cd)pyrene	22.697	22.689	22.688	22.686	22.707	22.712	22.720	22.697	19.697-25.697	22.700	0.014
79 Dibenzo(a,h)anthracene	22.723	22.710	22.714	22.718	22.729	22.739	22.747	22.723	19.723-25.723	22.726	0.013
80 Benzo(g,h,i)perylene	23.054	23.036	23.040	23.044	23.065	23.075	23.089	23.054	20.054-26.054	23.058	0.020
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
$ 88 Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
90 N-Nitrosodimethylamine	2.721	2.718	2.717	2.716	2.732	2.742	2.750	2.721	0.000-5.721	2.728	0.014
91 Aniline	7.154	7.151	7.150	7.149	7.154	7.159	7.157	7.154	4.154-10.154	7.154	0.004
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
93 Benzidine	17.099	17.102	17.095	17.099	17.099	17.104	17.107	17.099	14.099-20.099	17.101	0.004
$ 95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
98 Retene	17.751	17.753	17.747	17.751	17.751	17.756	17.759	17.751	14.751-20.751	17.752	0.004
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.125	28.125-34.125	+++++	+++++
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.717	15.717-21.717	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.964	19.964-25.964	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
103 Pyridine	2.689	2.713	2.696	2.694	2.694	2.705	2.702	2.689	0.000-5.689	2.699	0.008
187 Total Benzofluoranthen	20.816	20.808	20.813	20.811	20.822	20.832	20.840	20.816	17.816-23.816	20.821	0.012

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 7/23/10 Analysis: 8270 Analyst: KB

GC Program: ABN.pal Column No: 172127 Column Type: 2B-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1688

Calibration File: 0723100.1 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	1751-3, 1713-1
	1736-1, 1736-1,	1721-2, 1720-1
	25019 1753-1	25019 1717-1
	1744-1 (carbaryl)	1744-1

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.1/20100723.b

	Time	Filename	LabID	ClientId	DF													
1	1501	07231001.D	IC250723	IC250723	1	7.59	182786	9.64	584137	12.50	320442	14.86	503793	19.16	532343	21.31	517269	20.35	719428
2	1538	07231002.D	IC010723	IC010723	1	7.59	195617	9.64	619162	12.50	335561	14.86	502252	19.15	533625	21.31	501426	20.34	671548
3	1616	07231003.D	IC050723	IC050723	1	7.59	188843	9.64	605649	12.50	328204	14.86	492773	19.16	623042	21.30	509773	20.34	685489
4	1652	07231004.D	IC100723	IC100723	1	7.59	185943	9.64	593293	12.50	323613	14.86	496900	19.16	608888	21.30	502175	20.35	694500
5	1729	07231005.D	IC400723	IC400723	1	7.59	179813	9.65	584978	12.50	327933	14.87	525448	19.17	593530	21.31	534102	20.35	734023
6	1801	07231006.D	IC600723	IC600723	1	7.60	184946	9.65	607475	12.50	340603	14.87	548107	19.17	578965	21.31	572566	20.35	744081
7	1838	07231007.D	IC800723	IC800723	1	7.59	184081	9.65	604045	12.50	337280	14.87	549184	19.17	574045	21.32	593718	20.35	737424
8	2017	07231008.D	ICV0723	ICV0723	1	7.59	176582	9.65	582262	12.50	323945	14.86	516976	19.16	544051	21.30	522945	20.35	731609
9	2053	07231009.D	RE80MBW1	RE80MBW1	1	7.59	191409	9.64	626705	12.49	340804	14.86	511015	19.16	542517	20.35	680199	21.30	530348
10	2129	07231010.D	RE80LCSW1	RE80LCSW1	1	7.59	186065	9.64	600768	12.50	336459	14.86	542160	19.16	543756	20.34	743452	21.31	536707
11	2206	07231011.D	RE80LCSDW1	RE80LCSDW1	1	7.59	193224	9.64	618733	12.50	346038	14.86	562142	19.16	552203	20.35	754902	21.31	547020
12	2242	07231012.D	RE80A	EB-01-0710	1	7.59	202174	9.64	668869	12.50	358572	14.86	537356	19.16	568871	20.34	711184	21.30	552466

KB 07/26/10

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100723.b

ARI Job No.: IC25 Method: SW846072310.m Instrument: nt6.i Date: 23-JUL-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1501	07231001.D	IC250723	IC250723	1	4-Nitrophenol,
1538	07231002.D	IC010723	IC010723	1	Benzoic acid, 4-Chloro-3-methylphenol, 4-Nitrophenol, Pyridine, Total Benzofluoranthenes, 1,2-Dichlorobenzene-d4,
1616	07231003.D	IC050723	IC050723	1	4-Nitrophenol, Total Benzofluoranthenes,
1652	07231004.D	IC100723	IC100723	1	4-Nitrophenol, Total Benzofluoranthenes,
1729	07231005.D	IC400723	IC400723	1	NO MANUAL INTEGRATION
1801	07231006.D	IC600723	IC600723	1	Benzoic acid, 4-Nitrophenol,
1838	07231007.D	IC800723	IC800723	1	Benzoic acid, 4-Nitrophenol,

FB 07/26/10

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

Instrument: nt6.i

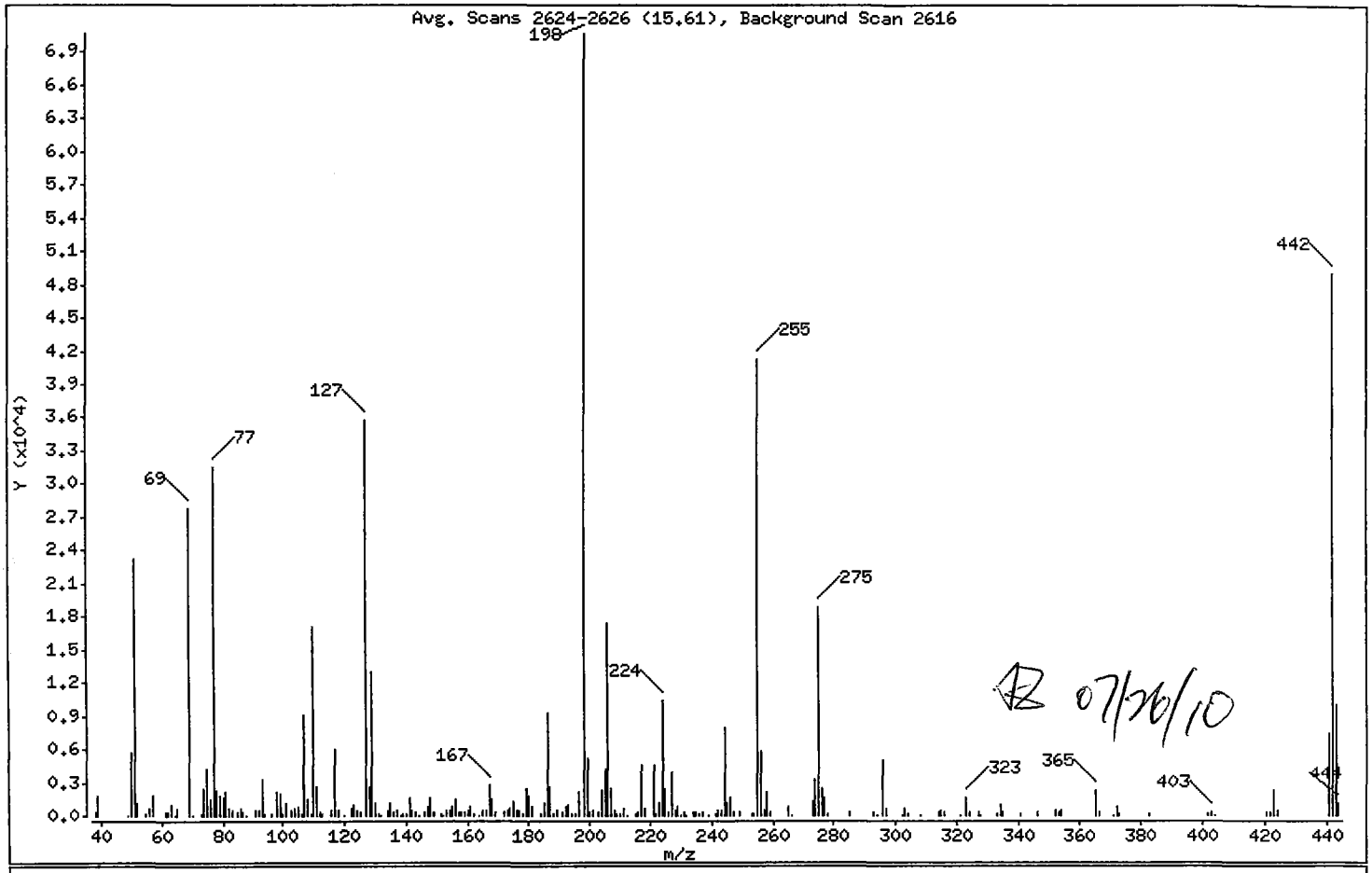
Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.43
70	Less than 2.00% of mass 69	0.11 (0.27)
127	10.00 - 80.00% of mass 198	50.48
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 60.00% of mass 198	26.75
365	Greater than 1.00% of mass 198	3.26
441	0.01 - 24.00% of mass 442	10.46 (15.05)
442	50.00 - 200.00% of mass 198	69.53
443	15.00 - 24.00% of mass 442	14.36 (20.66)

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723 Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07231001.D
Spectrum: Avg. Scans 2624-2626 (15.61), Background Scan 2616
Location of Maximum: 198.00
Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	387	123.00	922	188.00	228	258.00	2047
39.00	1825	124.00	480	189.00	470	259.00	339
49.00	65	125.00	365	191.00	272	265.00	871
50.00	5640	127.00	35688	192.00	768	266.00	70
51.00	23184	128.00	2664	193.00	910	273.00	1286
52.00	1188	129.00	13060	194.00	205	274.00	3278
55.00	117	130.00	1185	195.00	108	275.00	18912
56.00	724	131.00	199	196.00	2168	276.00	2417
57.00	1783	132.00	53	198.00	70696	277.00	1549
61.00	268	134.00	417	199.00	5207	278.00	225
62.00	303	135.00	1057	200.00	352	285.00	281
63.00	1001	136.00	403	201.00	473	293.00	310
64.00	57	137.00	530	203.00	399	294.00	55
65.00	603	138.00	53	204.00	2330	296.00	5042
69.00	27872	139.00	133	205.00	4267	297.00	617
70.00	76	140.00	157	206.00	17352	302.00	51
73.00	239	141.00	1557	207.00	2460	303.00	684
74.00	2447	142.00	527	208.00	547	304.00	121
75.00	4272	143.00	334	209.00	224	308.00	56
76.00	1504	144.00	51	210.00	220	314.00	246
77.00	31608	146.00	256	211.00	719	315.00	557
78.00	2353	147.00	794	212.00	72	316.00	334
79.00	1859	148.00	1619	215.00	138	321.00	61
80.00	1551	149.00	391	216.00	402	323.00	1624
81.00	2087	151.00	243	217.00	4593	324.00	284
82.00	569	152.00	55	218.00	656	327.00	303
83.00	501	153.00	556	221.00	4555	328.00	54
85.00	371	154.00	413	222.00	212	333.00	133
86.00	612	155.00	876	223.00	1131	334.00	1046
87.00	283	156.00	1402	224.00	10419	335.00	247
88.00	58	157.00	248	225.00	2454	341.00	195
91.00	565	158.00	315	226.00	302	346.00	381
92.00	460	159.00	248	227.00	3948	352.00	507
93.00	3213	160.00	524	228.00	566	353.00	296
94.00	196	161.00	761	229.00	863	354.00	512

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: 07231001.D

Spectrum: Avg. Scans 2624-2626 (15.61), Background Scan 2616

Location of Maximum: 198.00

Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	222	162.00	236	230.00	56	365.00	2305
98.00	2141	164.00	52	231.00	395	366.00	343
99.00	1893	165.00	557	232.00	58	371.00	53
100.00	125	166.00	524	234.00	262	372.00	781
101.00	1206	167.00	2749	235.00	263	373.00	223
103.00	429	168.00	1464	236.00	143	383.00	219
104.00	718	169.00	273	237.00	373	402.00	207
105.00	891	172.00	270	239.00	65	403.00	390
106.00	85	173.00	422	241.00	228	404.00	51
107.00	9053	174.00	680	242.00	541	421.00	350
108.00	1452	175.00	1231	243.00	516	422.00	291
109.00	101	176.00	512	244.00	7897	423.00	2348
110.00	17112	177.00	488	245.00	1132	424.00	560
111.00	2583	178.00	162	246.00	1556	441.00	7398
112.00	346	179.00	2424	247.00	296	442.00	49152
113.00	127	180.00	1708	249.00	252	443.00	10155
116.00	407	181.00	748	253.00	143	444.00	1103
117.00	6032	184.00	213	254.00	104		
118.00	485	185.00	1151	255.00	41248		
120.00	62	186.00	9244	256.00	5893		
122.00	623	187.00	2603	257.00	528		

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

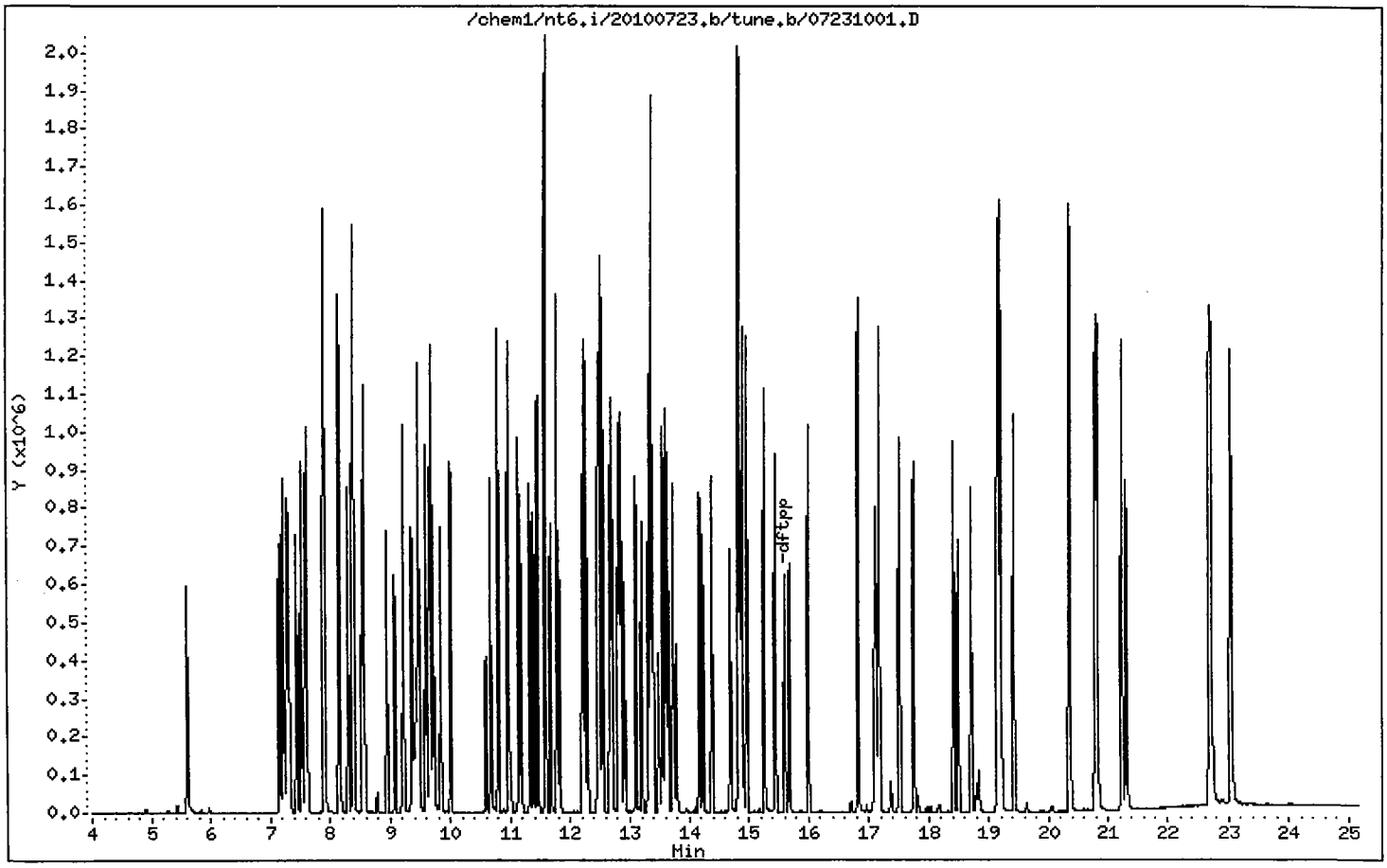
Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20100723.b/ddt.b/07231001.D ARI ID: IC250723
Method: /chem1/nt6.i/20100723.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 23-JUL-2010 15:01 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.696	127003
Benzidine	17.099	261375
4,4'-DDE	----	----
4,4'-DDD	18.023	5204
4,4'-DDT	18.493	237032

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 0 + 5204) * 100}{(\ 0 + 5204 + 237032)}$$

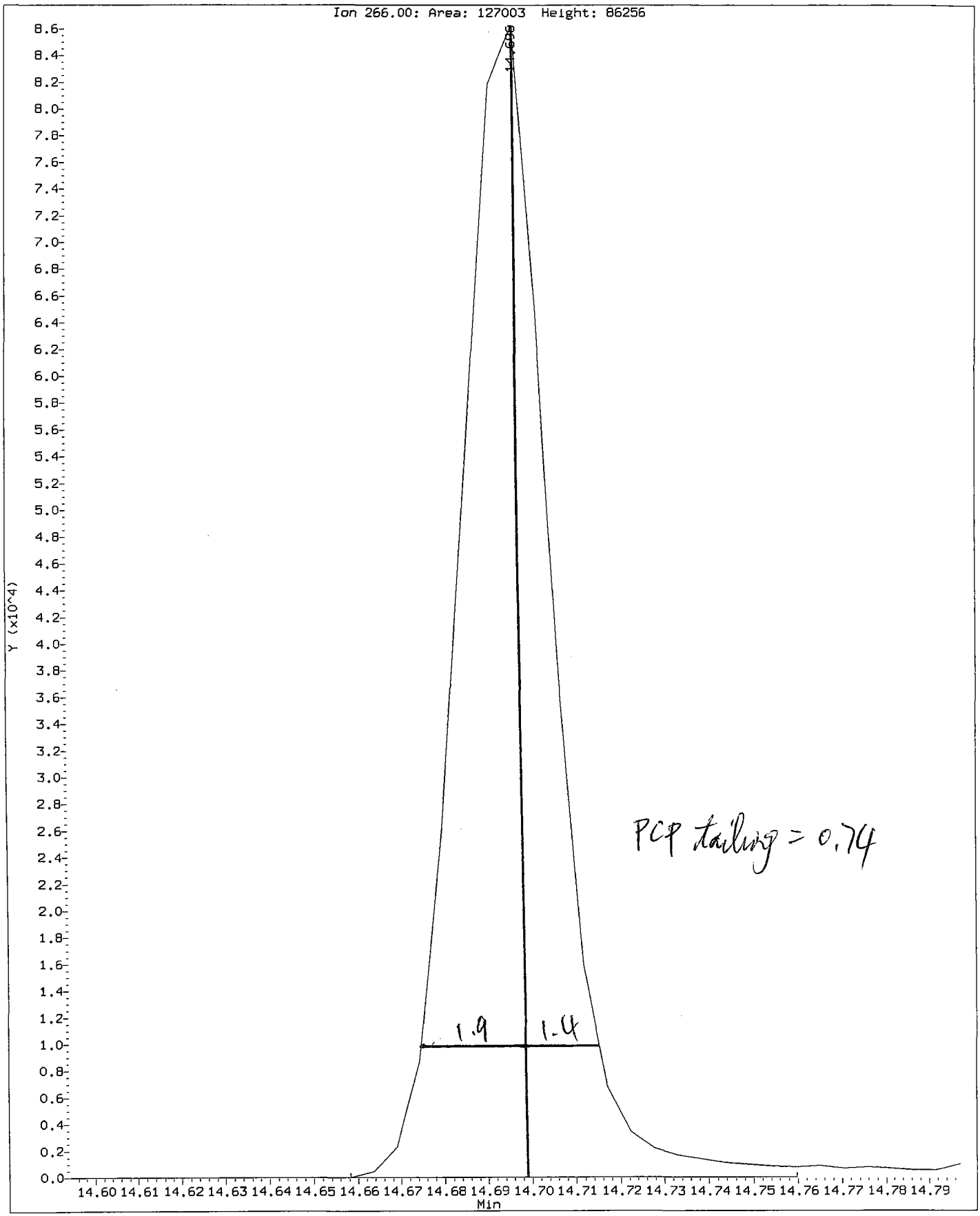
DDT Percent Breakdown = 2.1 %

0/2

AZ 07/26/10

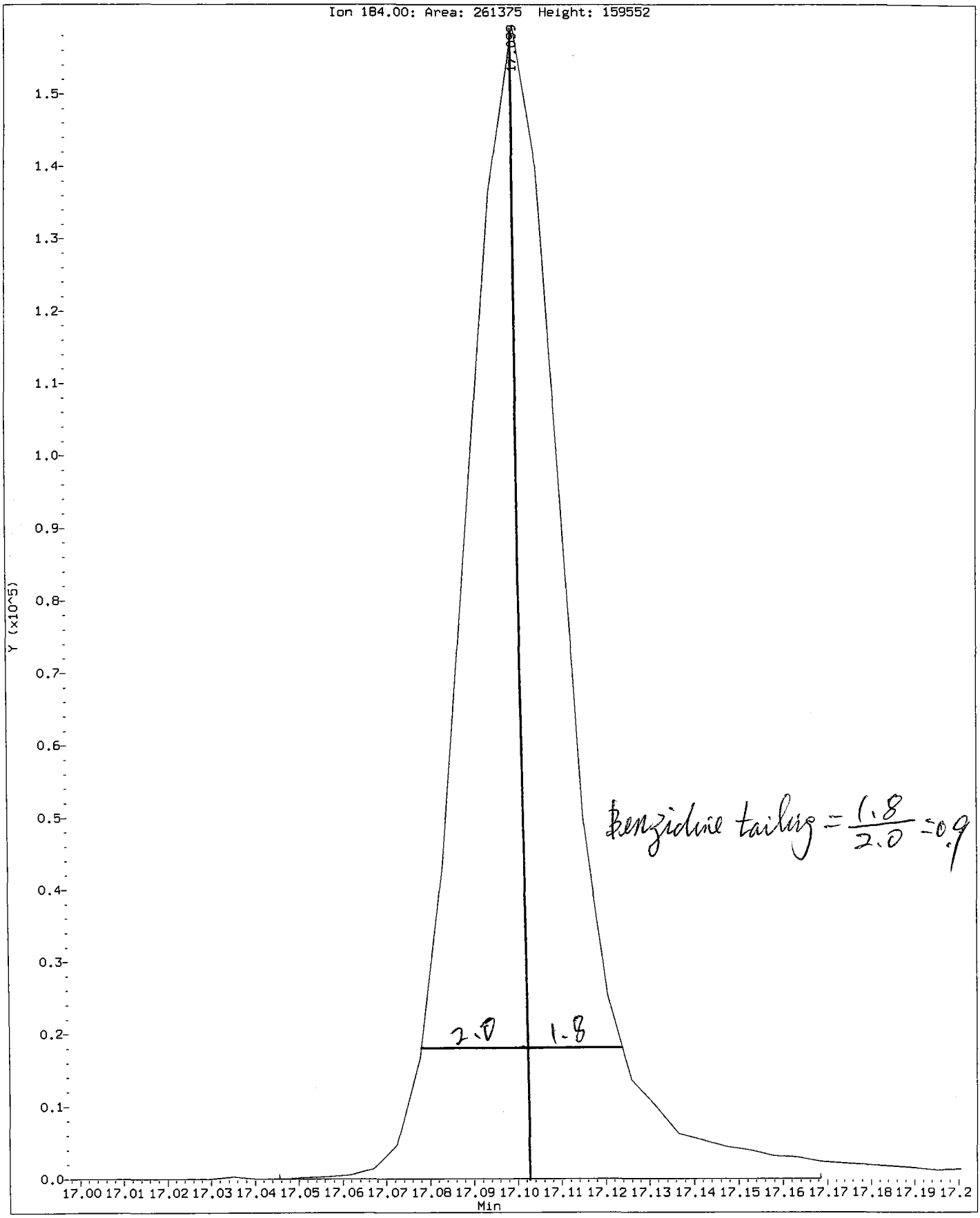
Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: Benzidine
CAS Number:



Benzidine tailing = $\frac{1.8}{2.0} = 0.9$

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231002.D
Lab Smp Id: IC010723 Client Smp ID: IC010723
Inj Date : 23-JUL-2010 15:38
Operator : JZ Inst ID: nt6.i
Smp Info : IC010723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:38 Cal File: 07231002.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.602	5.610	(0.738)	12960	1.00000	1.000
$	2 Phenol-d5	99	7.205	7.218	(0.949)	16567	1.00000	1.000
	3 Phenol	94	7.221	7.237	(0.951)	18572	1.00000	1.000
$	5 2-Chlorophenol-d4	132	7.296	7.303	(0.961)	14473	1.00000	1.000
	4 Bis(2-Chloroethyl)ether	93	7.274	7.290	(0.958)	14758	1.00000	1.000
	6 2-Chlorophenol	128	7.317	7.327	(0.964)	16158	1.00000	1.000
	7 1,3-Dichlorobenzene	146	7.525	7.530	(0.992)	19042	1.00000	1.000
*	8 1,4-Dichlorobenzene-d4	152	7.589	7.595	(1.000)	195617	20.0000	
	9 1,4-Dichlorobenzene	146	7.616	7.621	(1.004)	18283	1.00000	1.000
$	10 1,2-Dichlorobenzene-d4	152	7.888	7.896	(1.039)	9473	1.00000	1.000(M)
	12 1,2-Dichlorobenzene	146	7.910	7.915	(1.042)	17717	1.00000	1.000
	11 Benzyl alcohol	108	7.894	7.910	(1.040)	7581	1.00000	1.000
	14 2,2'-oxybis(1-Chloropropane)	45	8.155	8.161	(1.075)	15269	1.00000	1.000
	13 2-Methylphenol	108	8.150	8.166	(1.074)	13513	1.00000	1.000
	17 Hexachloroethane	117	8.396	8.406	(1.106)	6764	1.00000	1.000
	16 N-Nitroso-di-n-propylamine	70	8.369	8.390	(1.103)	9485	1.00000	1.000
	15 4-Methylphenol	108	8.385	8.406	(1.105)	13086	1.00000	1.000
$	18 Nitrobenzene-d5	82	8.529	8.542	(0.885)	13152	1.00000	1.000
	19 Nitrobenzene	77	8.556	8.572	(0.888)	15308	1.00000	1.000
	20 Isophorone	82	8.941	8.967	(0.927)	23101	1.00000	1.000
	21 2-Nitrophenol	139	9.079	9.090	(0.942)	7500	1.00000	1.000
	22 2,4-Dimethylphenol	107	9.218	9.234	(0.956)	13985	1.00000	1.000
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.373	(0.971)	16110	1.00000	1.000
	25 2,4-Dichlorophenol	162	9.475	9.485	(0.983)	11462	1.00000	1.000
	26 1,2,4-Trichlorobenzene	180	9.587	9.597	(0.994)	13993	1.00000	1.000
*	27 Naphthalene-d8	136	9.640	9.651	(1.000)	619162	20.0000	
	28 Naphthalene	128	9.672	9.683	(1.003)	41597	1.00000	1.000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	29 4-Chloroaniline	127	9.838	9.843	(1.020)	15650	1.00000	1.000
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	7937	1.00000	1.000
	31 4-Chloro-3-methylphenol	107	10.671	10.682	(1.107)	11158	1.00000	1.000(M)
	32 2-Methylnaphthalene	141	10.794	10.805	(1.120)	22525	1.00000	1.000
	33 Hexachlorocyclopentadiene	237	11.179	11.184	(0.894)	3366	1.00000	1.000
	34 2,4,6-Trichlorophenol	196	11.323	11.333	(0.906)	7217	1.00000	1.000
	35 2,4,5-Trichlorophenol	196	11.387	11.392	(0.911)	7991	1.00000	1.000
$	36 2-Fluorobiphenyl	172	11.446	11.453	(0.916)	27771	1.00000	1.000
	37 2-Chloronaphthalene	162	11.568	11.579	(0.926)	25928	1.00000	1.000
	38 2-Nitroaniline	65	11.819	11.835	(0.946)	5357	1.00000	1.000
	39 Dimethylphthalate	163	12.199	12.220	(0.976)	27471	1.00000	1.000
	40 Acenaphthylene	152	12.241	12.252	(0.979)	40068	1.00000	1.000
	41 2,6-Dinitrotoluene	165	12.289	12.305	(0.983)	5455	1.00000	1.000
*	42 Acenaphthene-d10	164	12.498	12.503	(1.000)	335561	20.0000	
	43 3-Nitroaniline	138	12.498	12.519	(1.000)	5458	1.00000	1.000
	44 Acenaphthene	153	12.546	12.562	(1.004)	24317	1.00000	1.000
	46 Dibenzofuran	168	12.808	12.823	(1.025)	33065	1.00000	1.000
	47 4-Nitrophenol	109	12.845	12.861	(1.028)	2427	1.00000	1.000(M)
	48 2,4-Dinitrotoluene	165	12.909	12.930	(1.033)	6962	1.00000	1.000
	50 Diethylphthalate	149	13.347	13.368	(1.068)	27786	1.00000	1.000
	49 Fluorene	166	13.363	13.379	(1.069)	28942	1.00000	1.000
	51 4-Chlorophenyl-phenylether	204	13.400	13.411	(1.072)	13051	1.00000	1.000
	52 4-Nitroaniline	138	13.486	13.523	(1.079)	5361	1.00000	1.000
	54 N-Nitrosodiphenylamine	169	13.609	13.630	(0.916)	19100	1.00000	1.000
$	55 2,4,6-Tribromophenol	330	13.785	13.798	(1.103)	2801	1.00000	1.000
	56 4-Bromophenyl-phenylether	248	14.175	14.185	(0.954)	7664	1.00000	1.000
	57 Hexachlorobenzene	284	14.389	14.399	(0.968)	8254	1.00000	1.000
	58 Pentachlorophenol	266	14.693	14.704	(0.989)	2935	1.00000	1.000
*	59 Phenanthrene-d10	188	14.859	14.869	(1.000)	502252	20.0000	
	60 Phenanthrene	178	14.896	14.912	(1.002)	36558	1.00000	1.000
	61 Anthracene	178	14.965	14.987	(1.007)	37076	1.00000	1.000
	62 Carbazole	167	15.264	15.280	(1.027)	34327	1.00000	1.000
	63 Di-n-butylphthalate	149	16.002	16.012	(1.077)	39082	1.00000	1.000
	64 Fluoranthene	202	16.824	16.835	(1.132)	36900	1.00000	1.000
	65 Pyrene	202	17.171	17.187	(0.897)	39792	1.00000	1.000
$	66 Terphenyl-d14	244	17.508	17.515	(0.914)	22641	1.00000	1.000
	67 Butylbenzylphthalate	149	18.410	18.421	(0.961)	15872	1.00000	1.000
	68 Benzo(a)anthracene	228	19.131	19.147	(0.999)	37113	1.00000	1.000
*	69 Chrysene-d12	240	19.153	19.169	(1.000)	533625	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.158	19.174	(1.000)	11847	1.00000	1.000
	71 Chrysene	228	19.190	19.217	(1.002)	35744	1.00000	1.000
	72 bis(2-Ethylhexyl)phthalate	149	19.414	19.420	(0.954)	20881	1.00000	1.000
*	134 Di-n-octylphthalate-d4	153	20.344	20.354	(1.000)	671548	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	42955	1.00000	1.000
	74 Benzo(b)fluoranthene	252	20.776	20.803	(0.975)	37421	1.00000	1.000
	75 Benzo(k)fluoranthene	252	20.808	20.840	(0.977)	42406	1.00000	1.000
	187 Total Benzofluoranthenes	252	20.808	20.840	(0.977)	77462	2.00000	2.000(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	76 Benzo(a)pyrene	252	21.220	21.246	(0.996)	35052	1.00000	1.000
*	77 Perylene-d12	264	21.305	21.316	(1.000)	501426	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.689	22.720	(1.065)	46606	1.00000	1.000
	79 Dibenzo(a,h)anthracene	278	22.710	22.747	(1.066)	34366	1.00000	1.000
	80 Benzo(g,h,i)perylene	276	23.036	23.089	(1.081)	43155	1.00000	1.000
	90 N-Nitrosodimethylamine	74	2.718	2.750	(0.358)	8653	1.00000	1.000
	103 Pyridine	79	2.713	2.702	(0.357)	13072	1.00000	1.000(M)
	91 Aniline	93	7.151	7.157	(0.942)	20217	1.00000	1.000
	105 1-methylnaphthalene	141	10.965	10.975	(1.137)	22955	1.00000	1.000
	93 Benzidine	184	17.102	17.107	(0.893)	12076	1.00000	1.000
	111 Azobenzene (1,2-DP-Hydrazine)	77	13.646	13.667	(1.092)	26415	1.00000	1.000
	143 1,4-Dioxane	88	2.152	2.168	(0.284)	5821	1.00000	1.000
$	137 d8-1,4-Dioxane	96	2.109	2.125	(0.278)	5561	1.00000	1.000
	144 alpha-Terpineol	59	9.715	9.731	(1.008)	7796	1.00000	1.000
	98 Retene	219	17.753	17.759	(0.927)	11931	1.00000	1.000
	133 Butylatedhydroxytoluene	205	12.695	12.706	(1.016)	21964	1.00000	1.000
	115 Tributyl Phosphate	99	13.726	13.763	(0.924)	28341	1.00000	1.000
	116 Dibutyl Phenyl Phosphate	175	15.446	15.457	(1.040)	17234	1.00000	1.000
	117 Butyl Diphenyl Phosphate	94	17.123	17.134	(0.894)	6172	1.00000	1.000
	118 Triphenyl Phosphate	326	18.720	18.731	(0.977)	5942	1.00000	1.000
	123 Acetophenone	105	8.300	8.316	(1.094)	18028	1.00000	1.000
	179 n-Decane	57	7.440	7.450	(0.980)	12744	1.00000	1.000
	180 n-Octadecane	57	14.826	14.832	(0.998)	11732	1.00000	1.000
	168 Pentachlorobenzene	250	12.850	12.866	(1.028)	10098	1.00000	1.000
	113 Diphenyl Oxide	170	11.777	11.782	(0.942)	25762	1.00000	1.000
	112 Biphenyl	154	11.579	11.590	(0.926)	31556	1.00000	
	120 2,3,4,6-Tetrachlorophenol	232	13.107	13.112	(1.049)	6165	1.00000	1.000
	151 1,2,4,5-Tetrachlorobenzene	216	11.136	11.141	(0.891)	13502	1.00000	1.000
	110 Tetrachloroguaiacol	247	14.821	14.842	(0.997)	3748	2.00000	
	109 3,4,5-Trichloroguaiacol	213	13.203	13.219	(0.889)	2088	1.00000	
	181 3,4,6-Trichloroguaiacol	211	13.320	13.331	(1.755)	2419	1.00000	
	108 4,5,6-Trichloroguaiacol	213	14.239	14.250	(1.139)	1998	1.00000	
	184 3,4-Dichloroguaiacol	192	11.670	11.675	(1.538)	2055	1.00000	
	107 4,5-Dichloroguaiacol	192	12.460	12.476	(0.997)	5561	2.00000	
	182 4,6-Dichloroguaiacol	192	12.460	12.476	(1.642)	5561	2.00000	
	185 4-Chloroguaiacol	115	10.586	10.596	(1.395)	1238	0.50000	
	186 Carbaryl	144	15.686	15.702	(1.056)	13304	1.00000	1.000
	106 Guaiacol	124	8.572	8.588	(1.129)	12877	1.00000	1.000

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231002.D
Lab Smp Id: IC010723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC010723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	195617	7.02
27 Naphthalene-d8	584137	292068	1168274	619162	6.00
42 Acenaphthene-d10	320442	160221	640884	335561	4.72
59 Phenanthrene-d10	503793	251896	1007586	502252	-0.31
69 Chrysene-d12	532343	266172	1064686	533625	0.24
134 Di-n-octylphthala	719428	359714	1438856	671548	-6.66
77 Perylene-d12	517269	258634	1034538	501426	-3.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.03
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.03
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.15	-0.04
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.01
77 Perylene-d12	21.31	20.81	21.81	21.31	-0.01

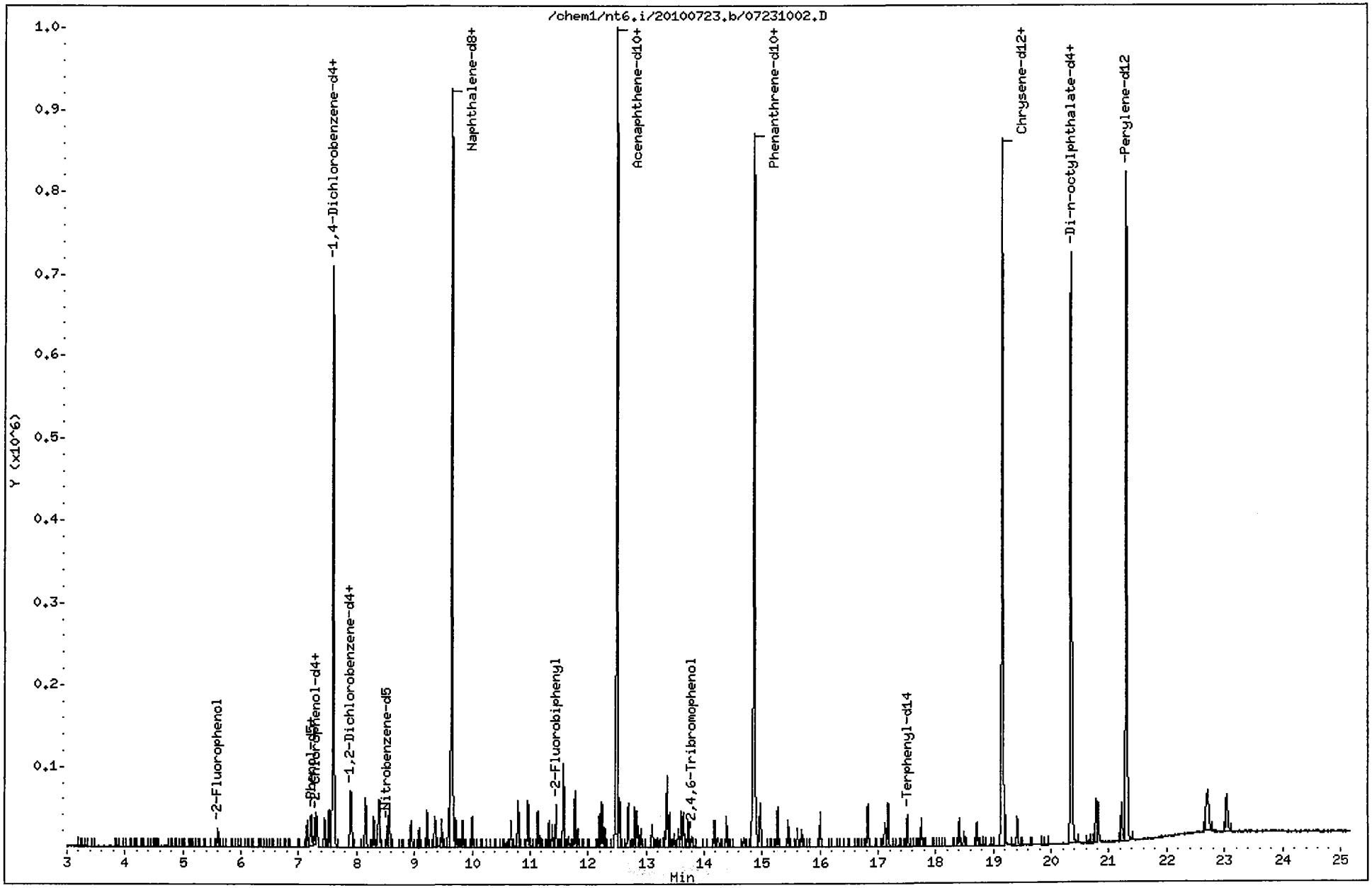
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231002.D
Date : 23-JUL-2010 15:38
Client ID: IC010723
Sample Info: IC010723,

Instrument: nt6.i

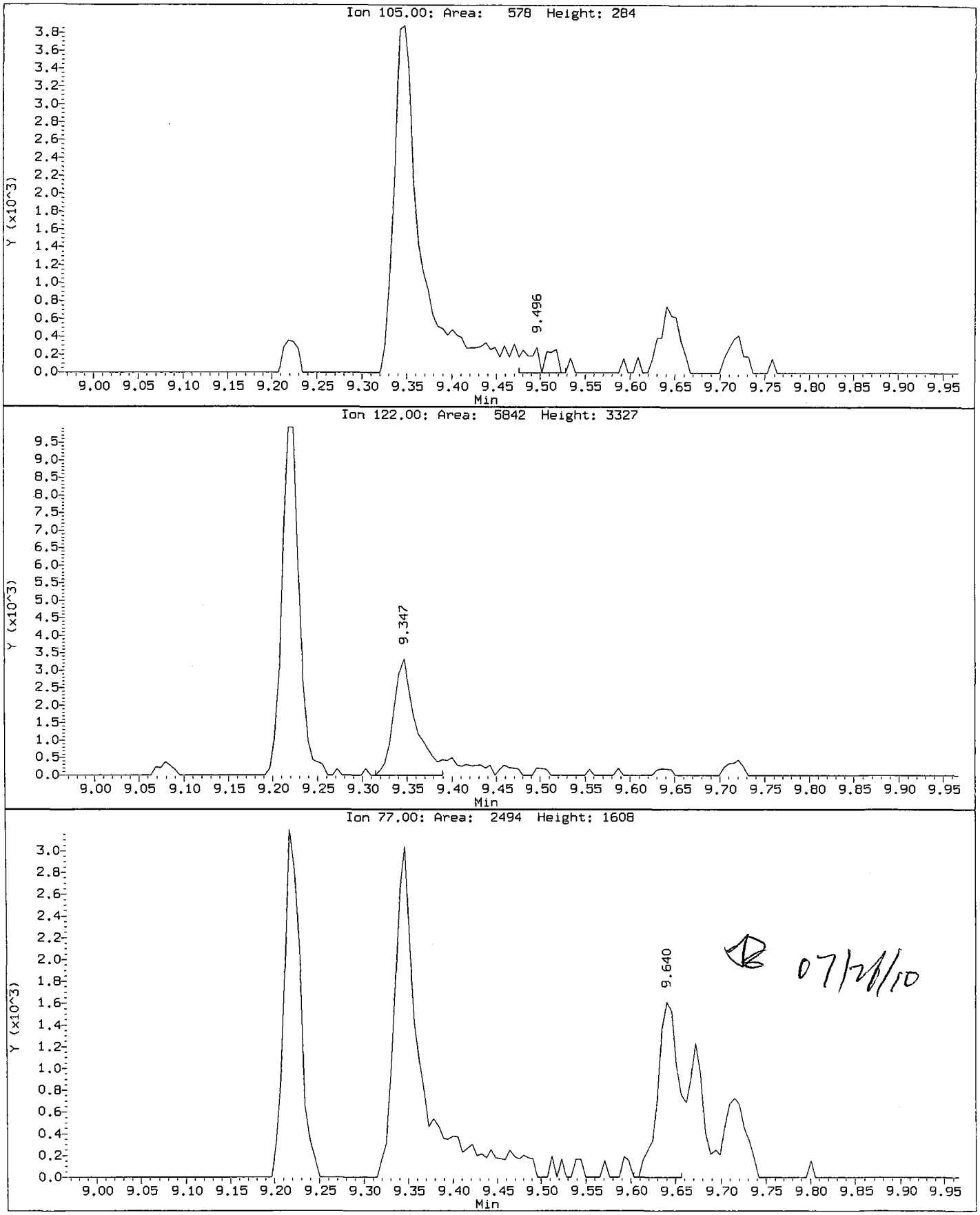
Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

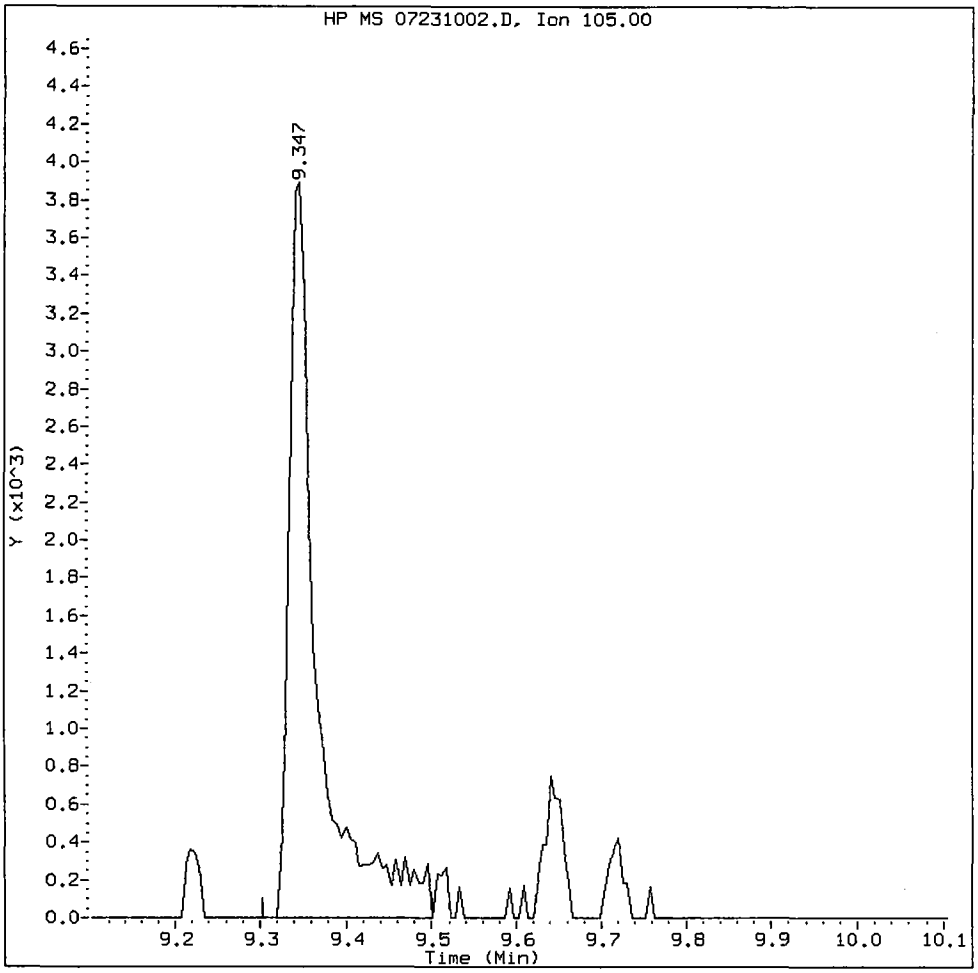
Compound: Benzoic acid
CAS Number: 65-85-0



07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Benzoic acid Amount: 0.00 Area: 8860



MANUAL INTEGRATION for Benzoic acid

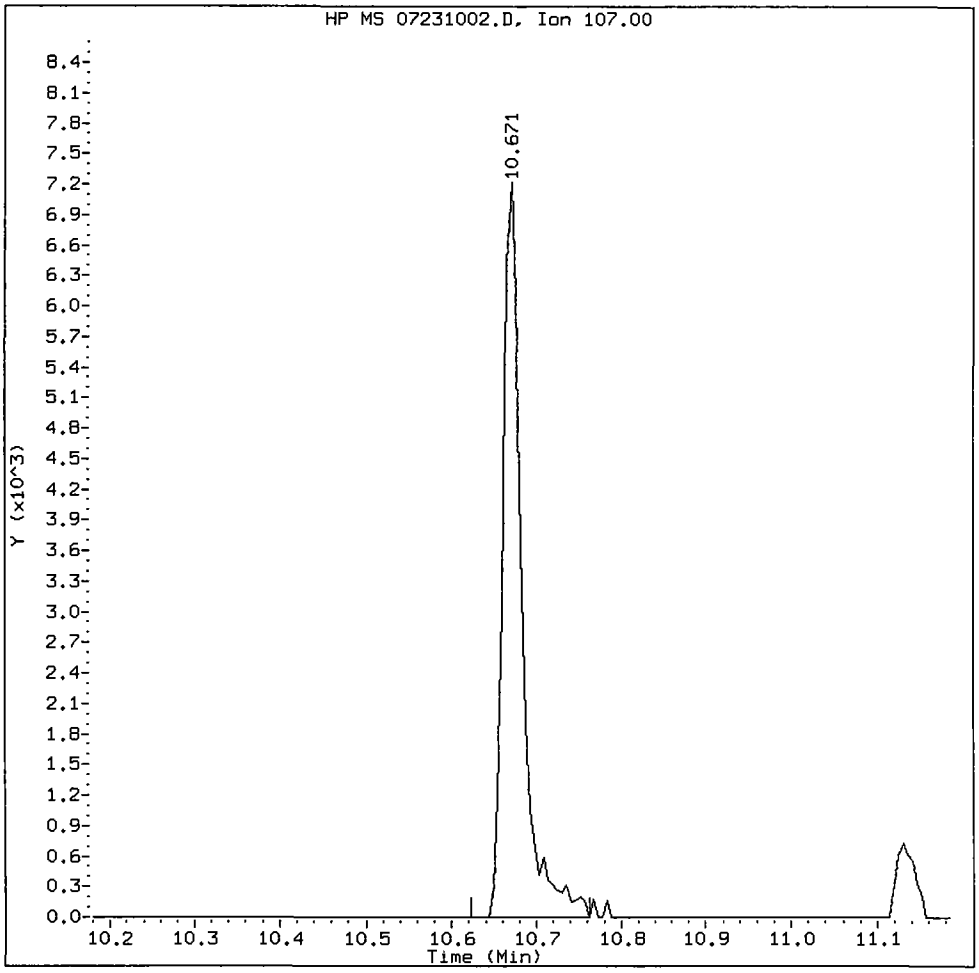
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Chloro-3-methylphenol Amount: 1.00 Area: 11158



MANUAL INTEGRATION for 4-Chloro-3-methylphenol

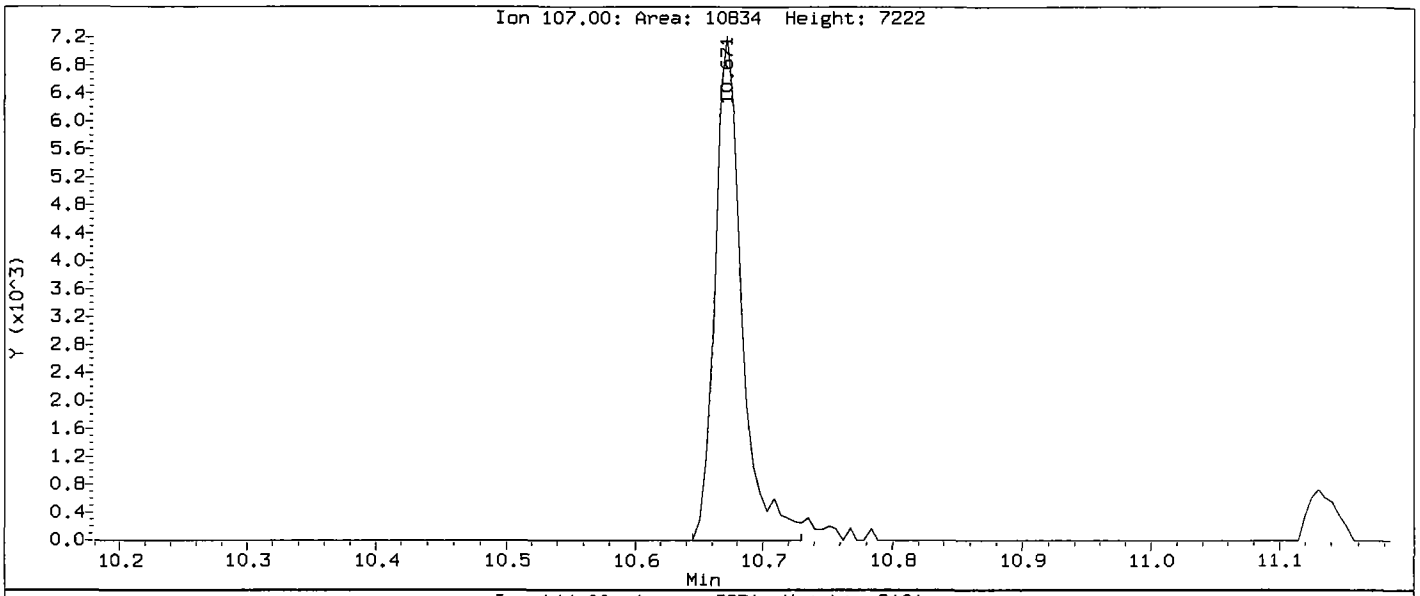
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

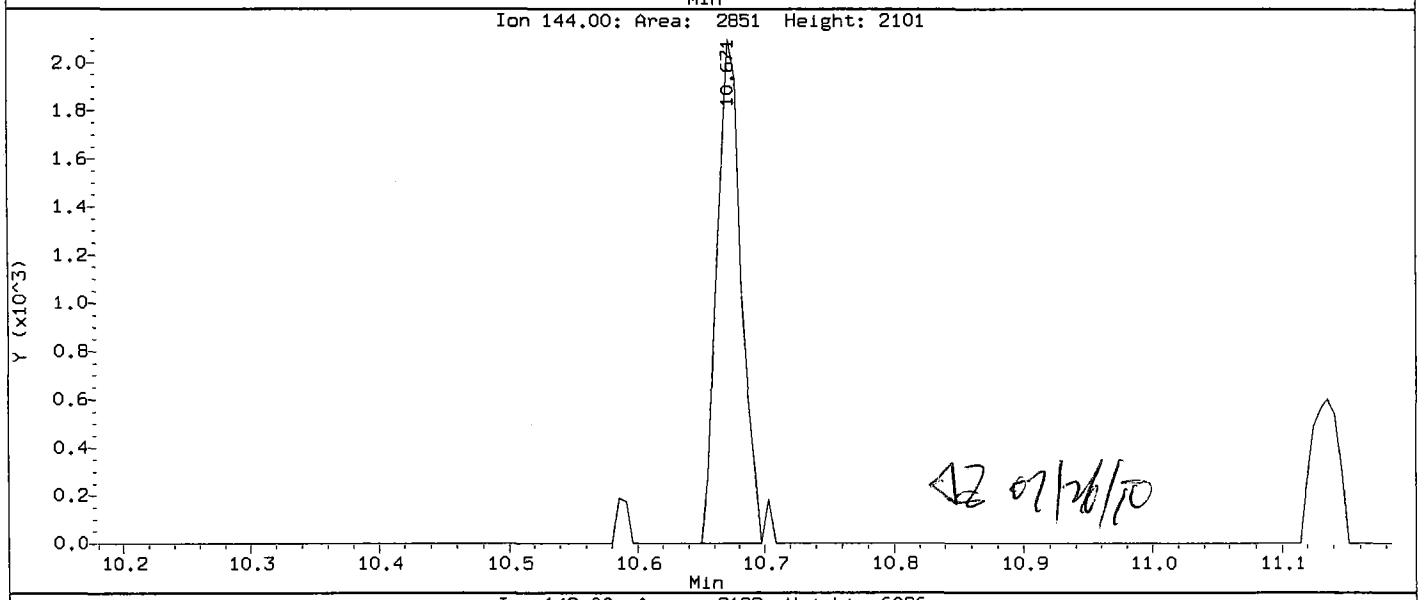
5. Other _____

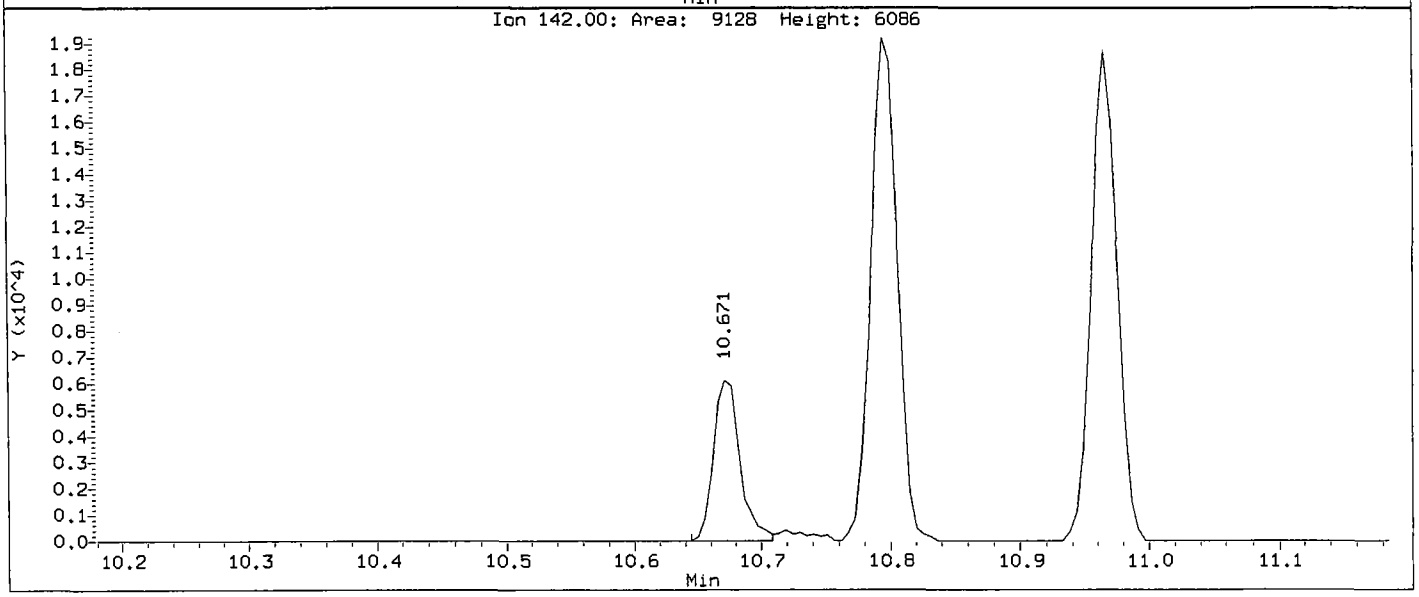
Analyst: _____ Date: 7/26/10

Data File: /chem1/nt6.i/20100723A.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Chloro-3-methylphenol
CAS Number: 59-50-7



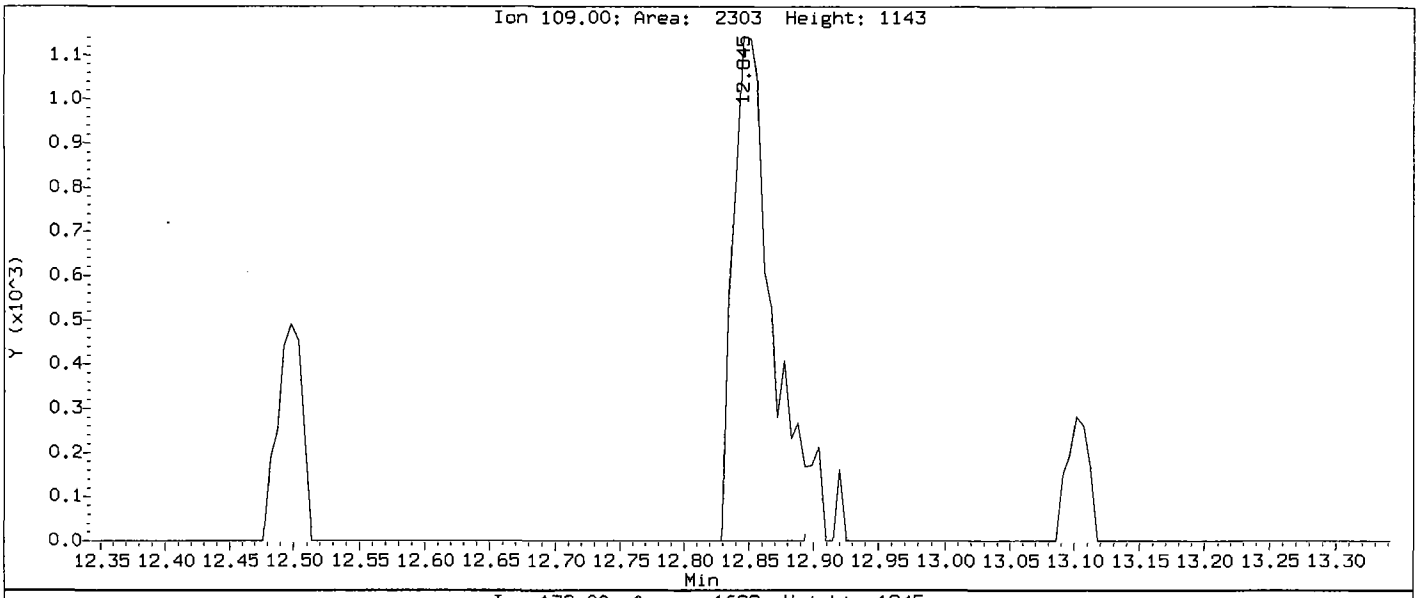


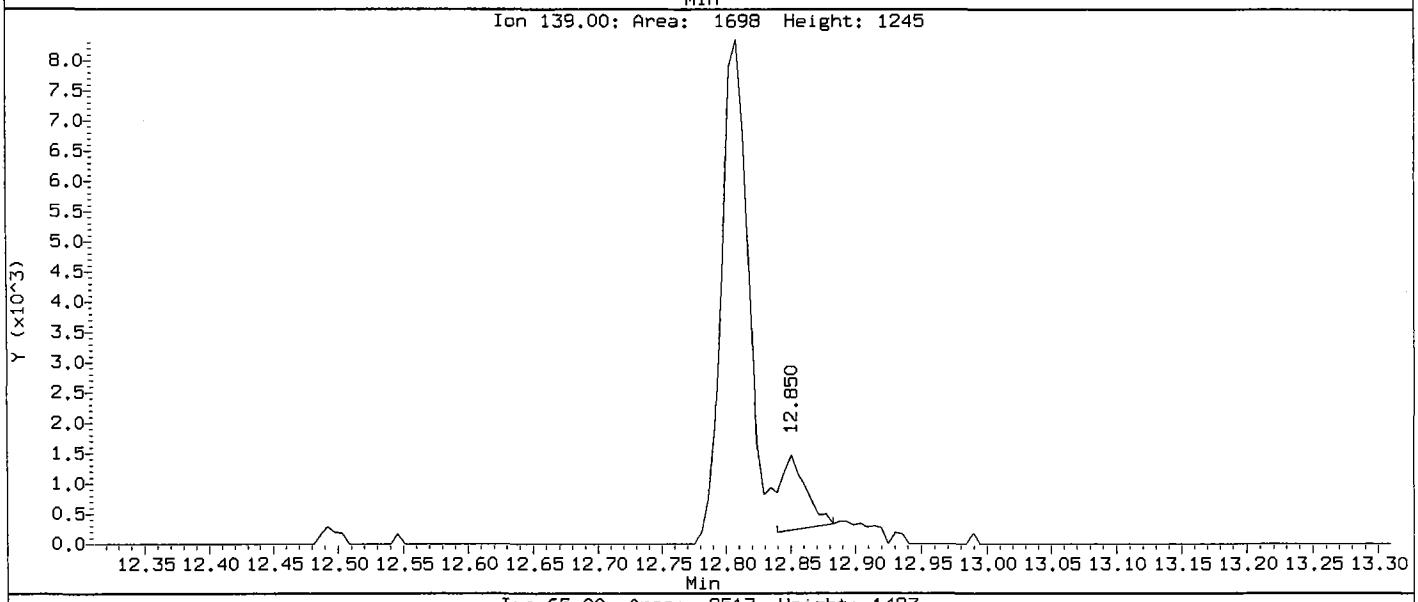


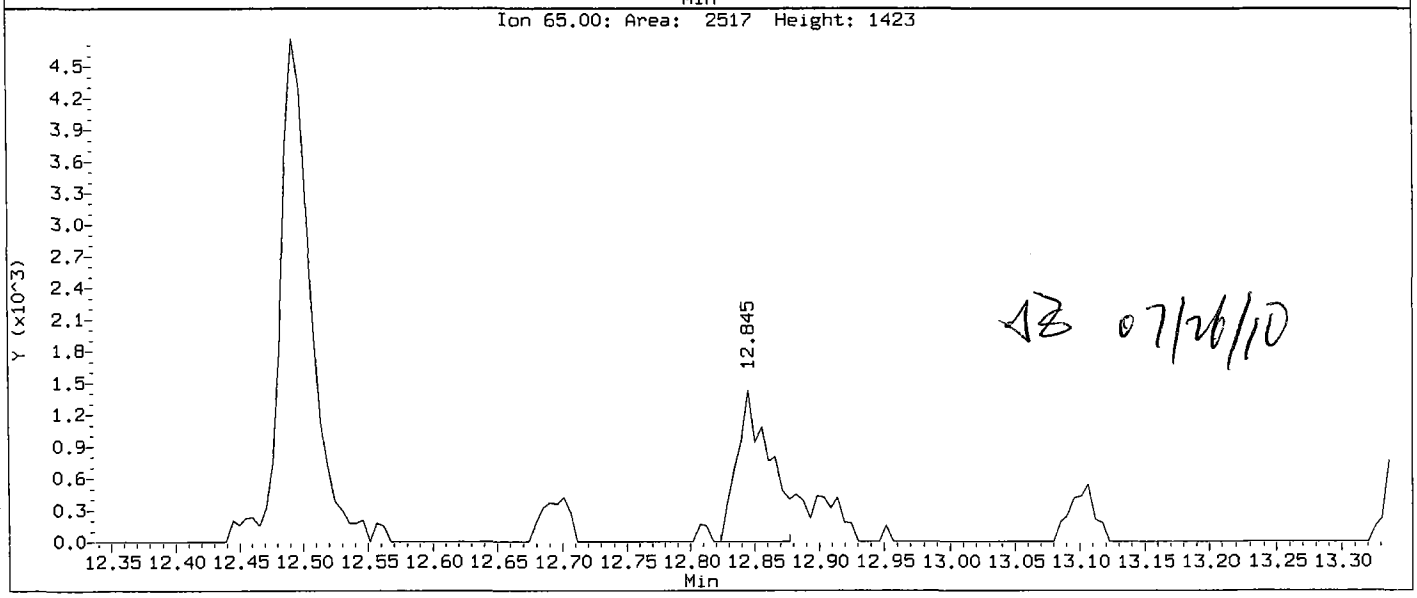
RG60:00471

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Nitrophenol
CAS Number: 100-02-7





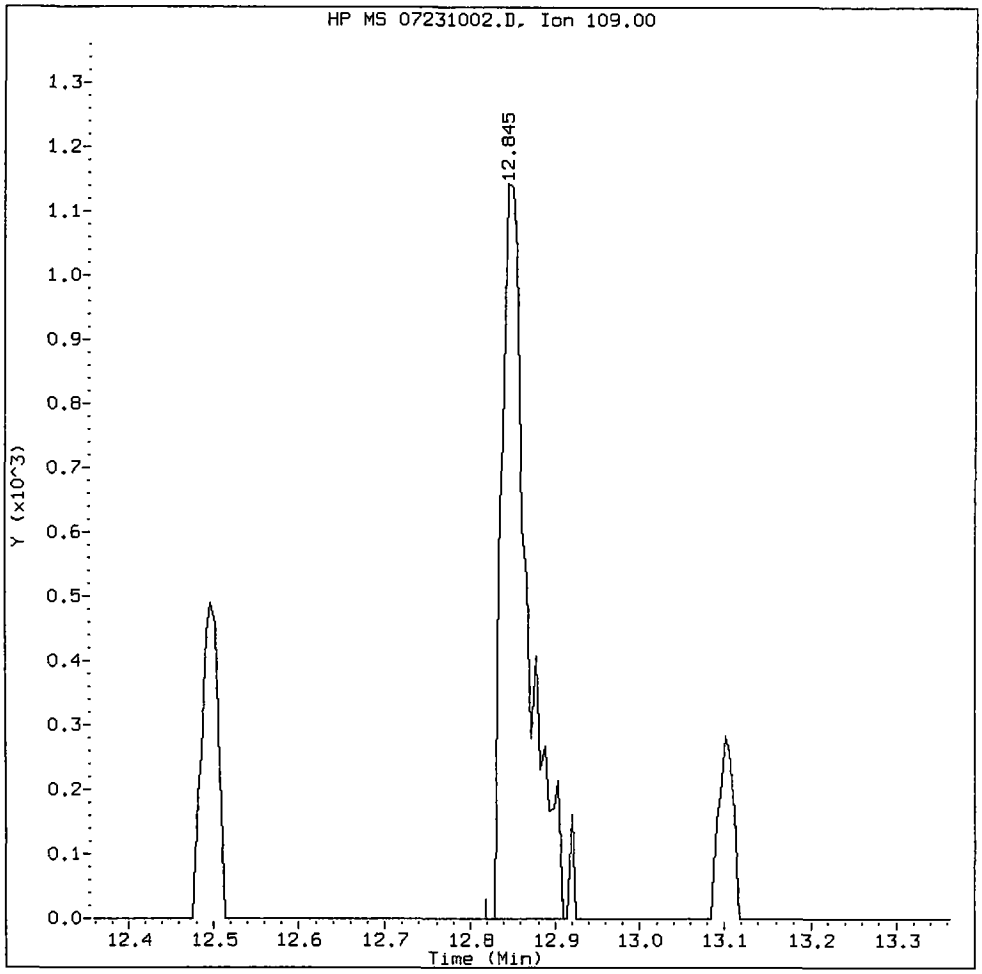


AB 07/26/10

RG60 : 00472

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Nitrophenol Amount: 1.00 Area: 2427



MANUAL INTEGRATION for 4-Nitrophenol

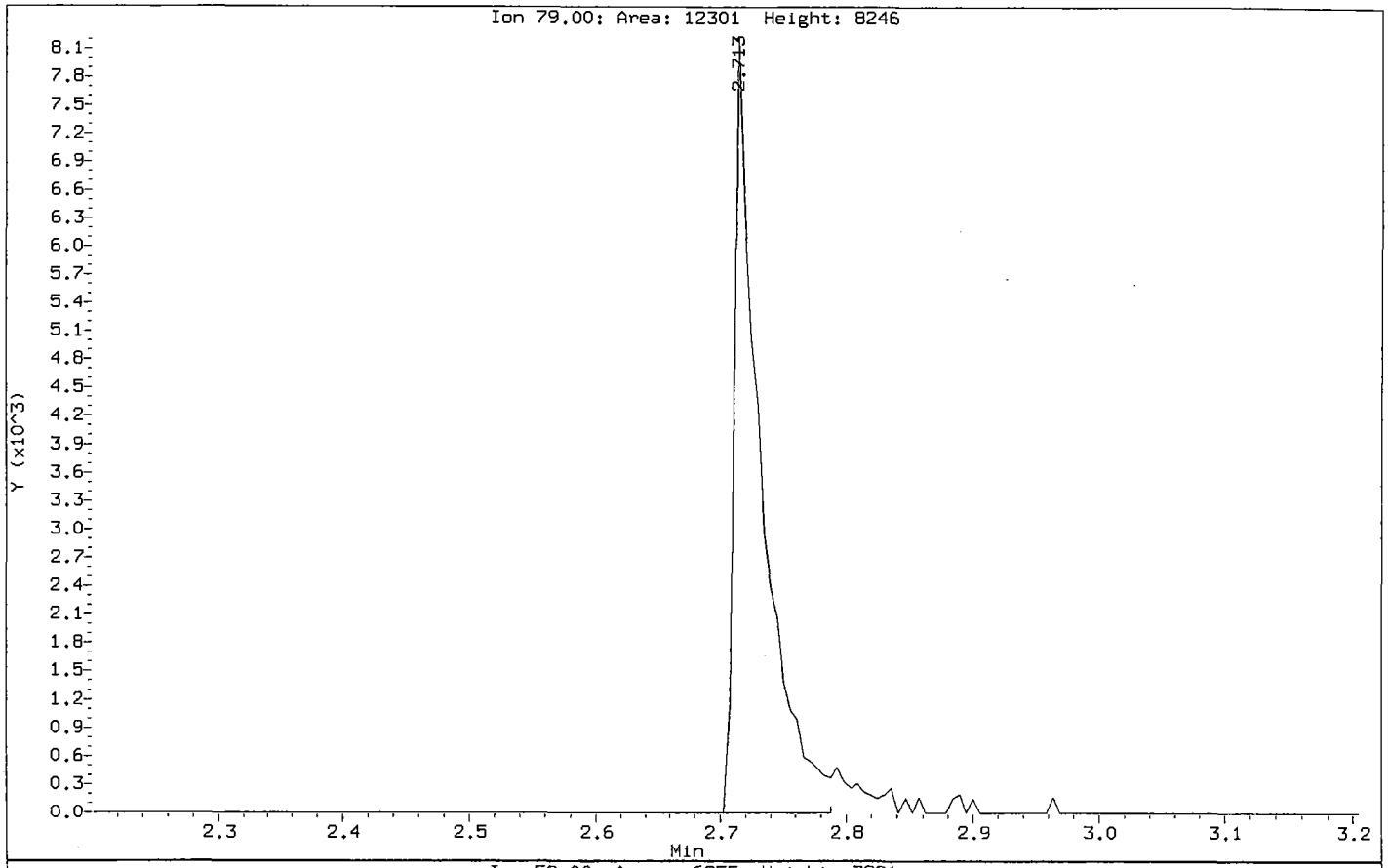
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

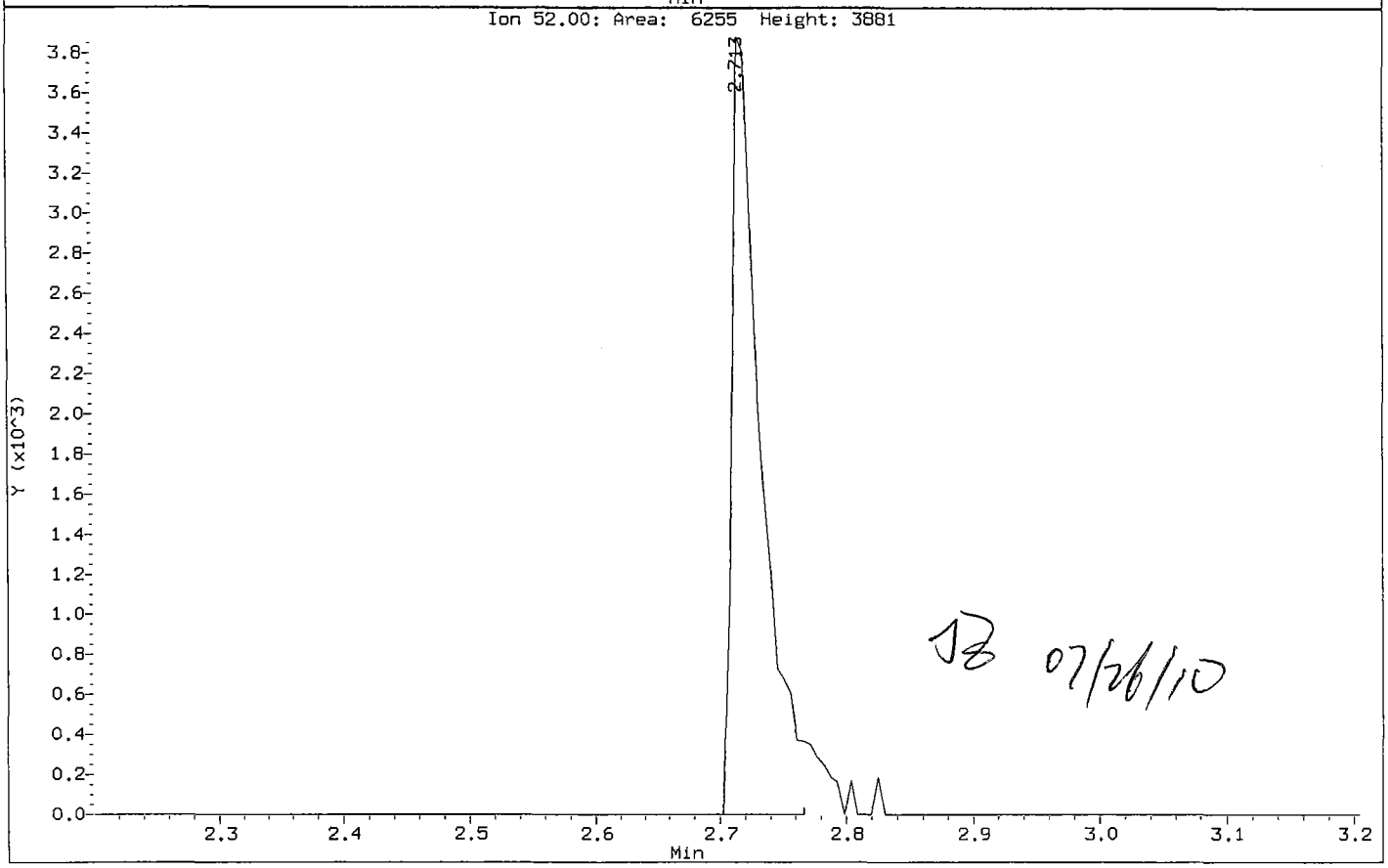
5. Other _____

Analyst: AZ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: Pyridine
CAS Number:

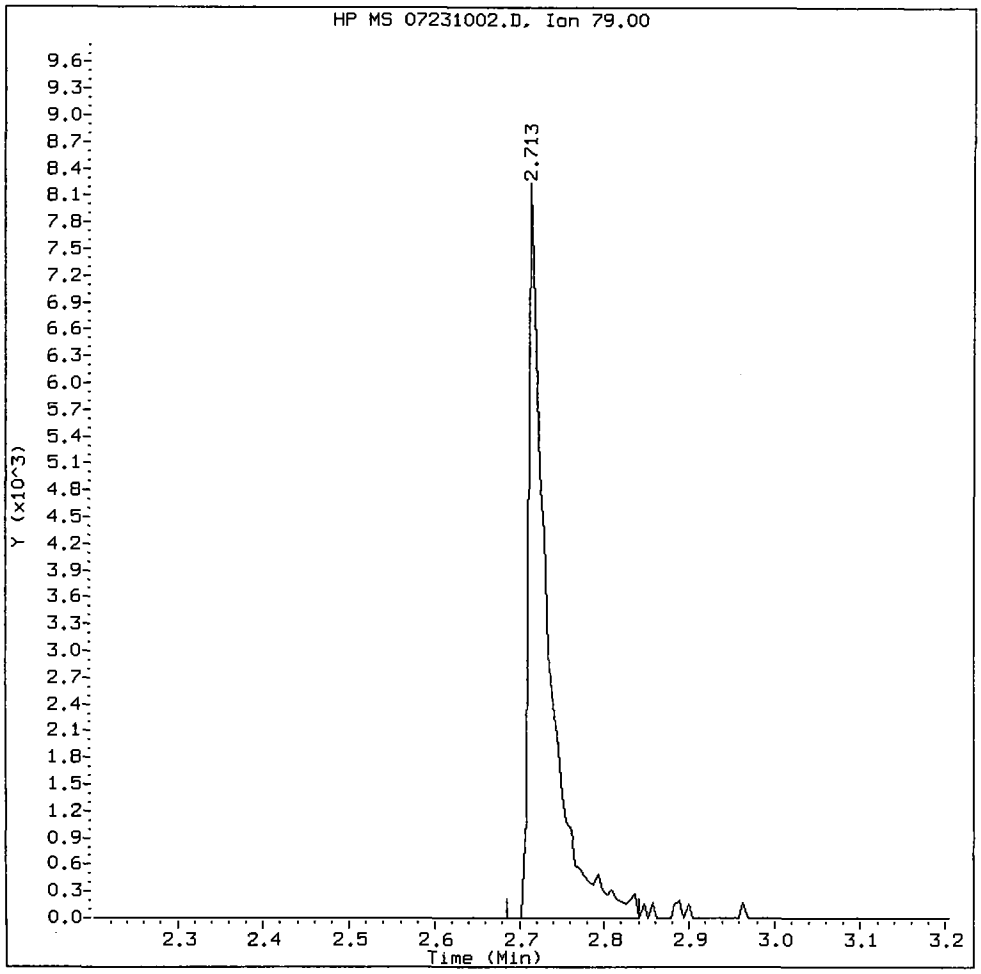




JB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Pyridine Amount: 1.00 Area: 13072



MANUAL INTEGRATION for Pyridine

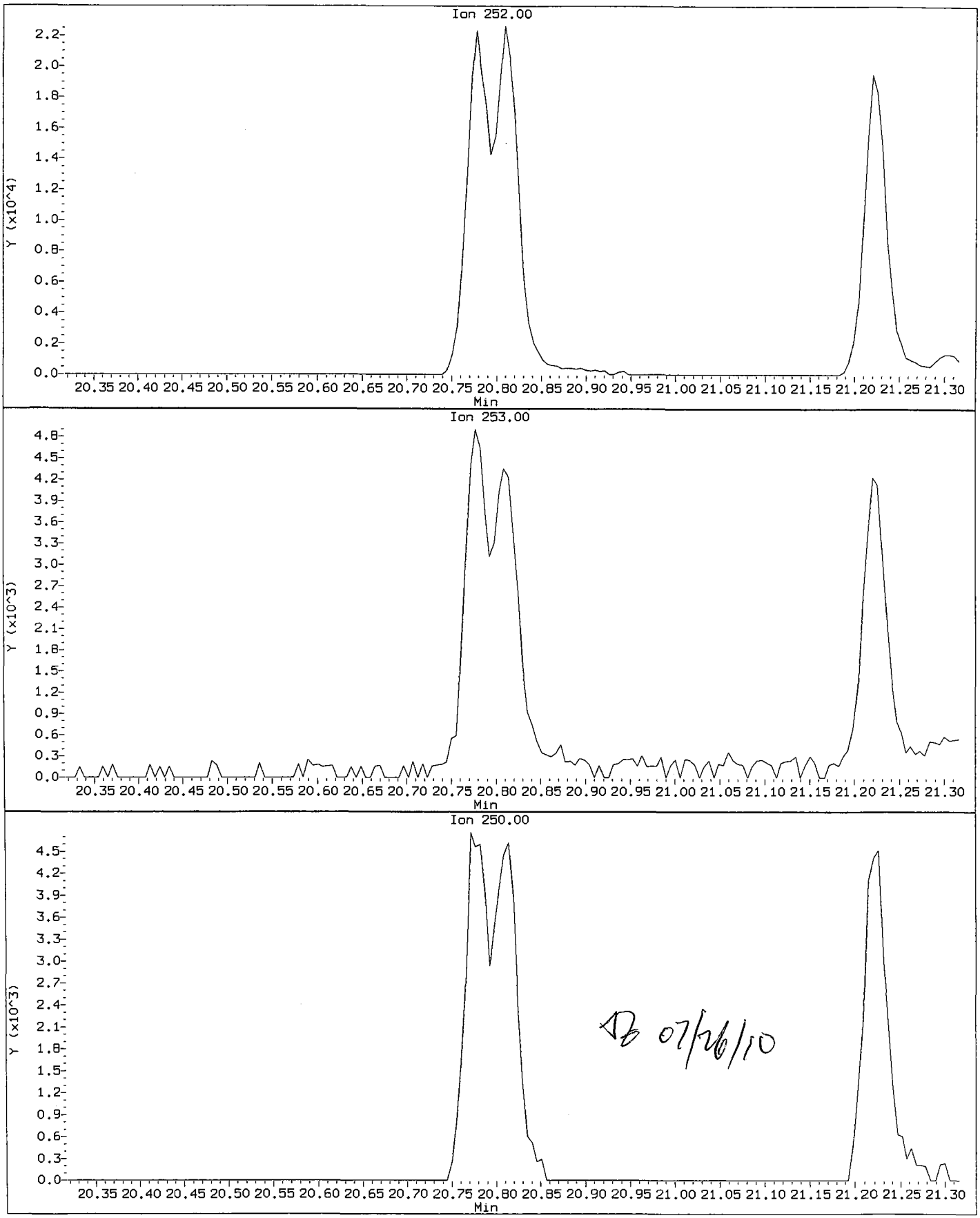
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

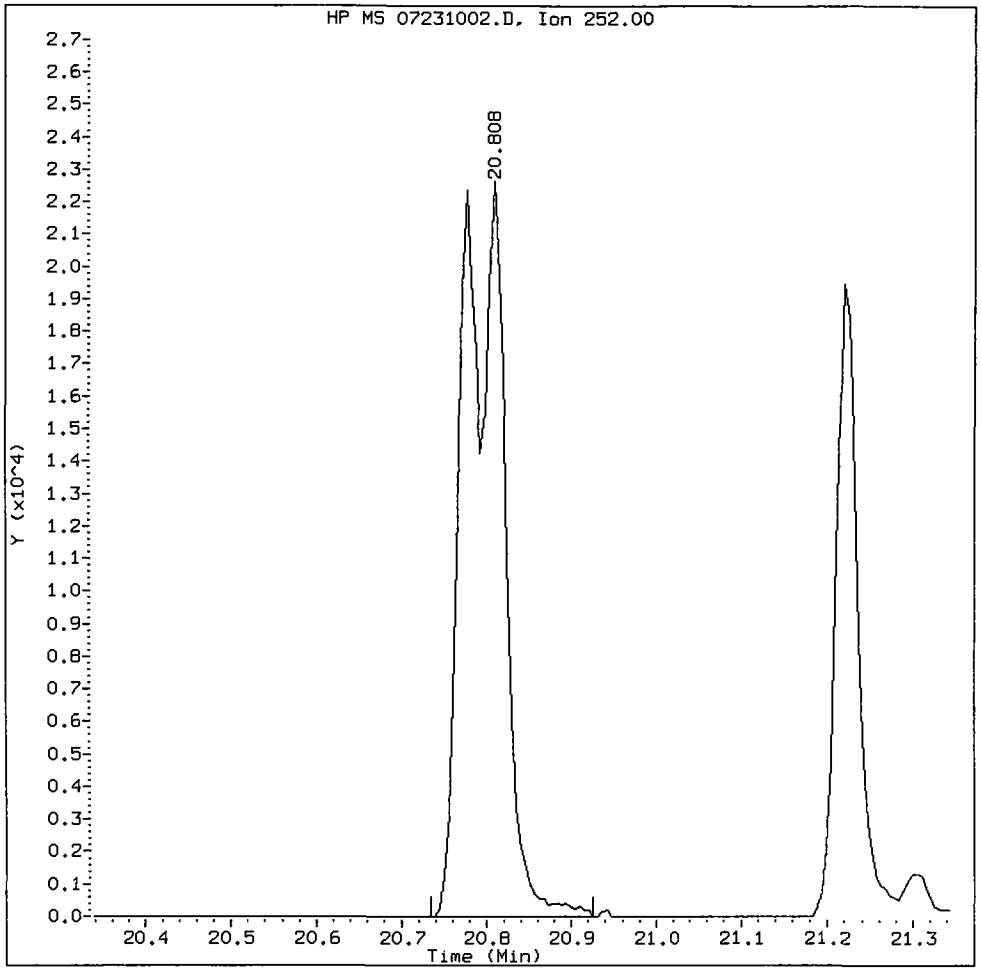
Compound: Total Benzofluoranthenes
CAS Number:



DB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Total Benzofluoranthenes Amount: 2.00 Area: 77462



MANUAL INTEGRATION for Total Benzofluoranthenes

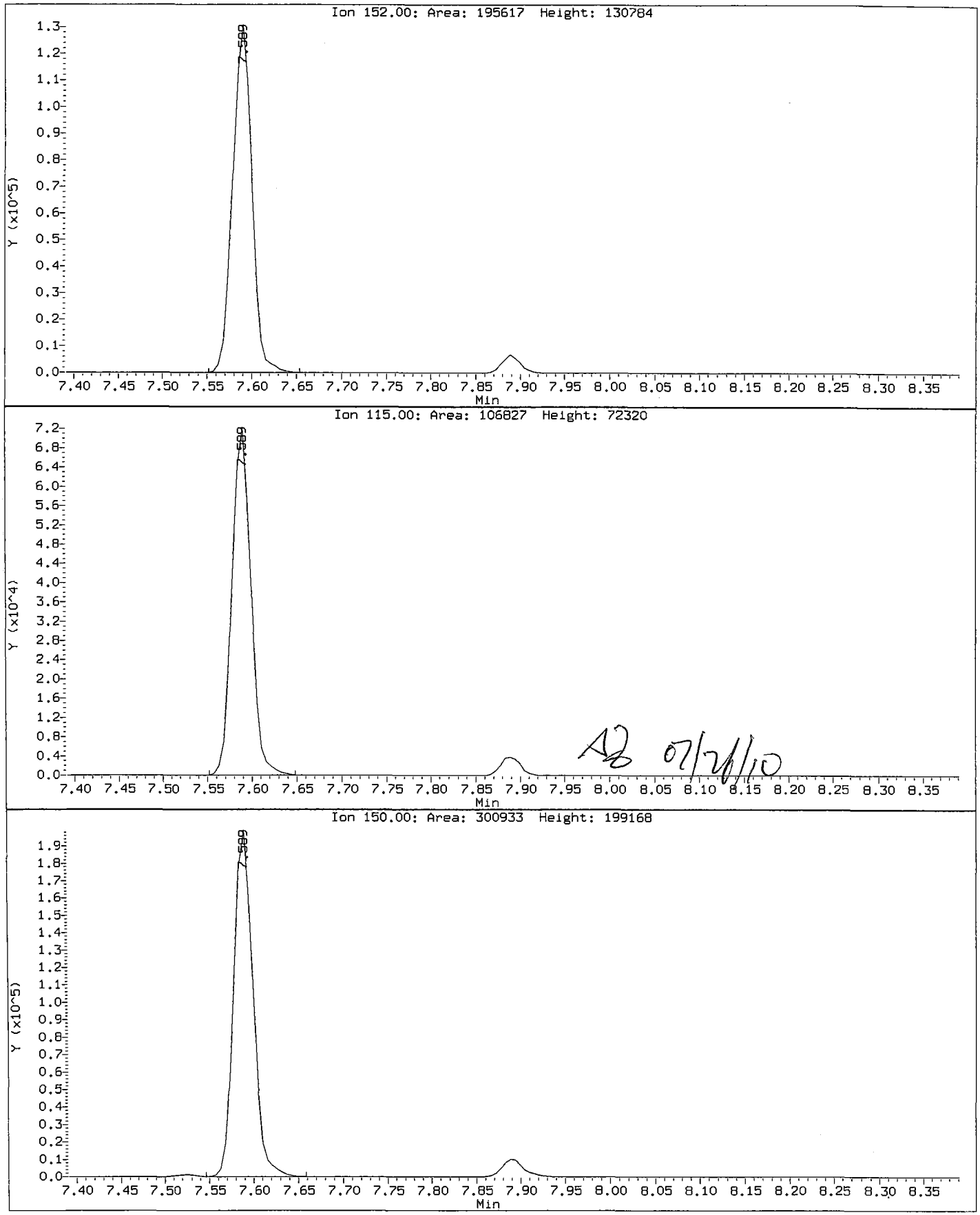
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

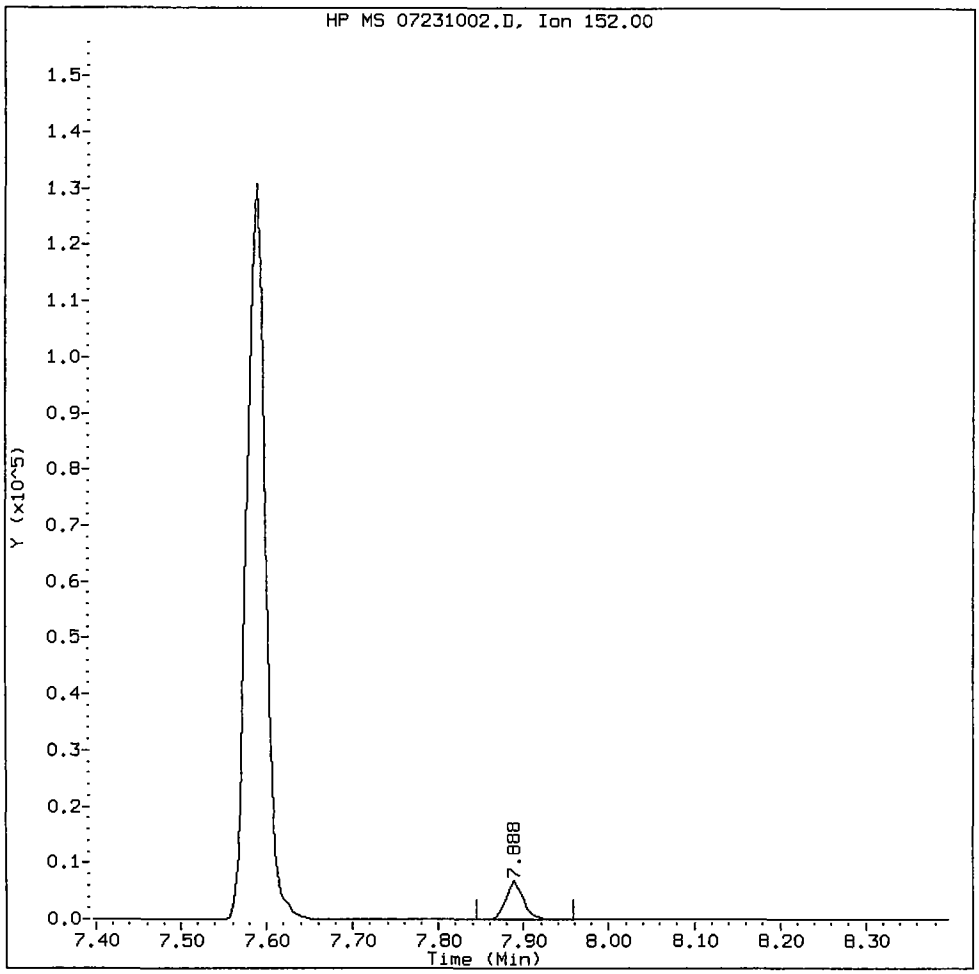
Compound: 1,2-Dichlorobenzene-d4
CAS Number: 2199-69-1



AB 07/27/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

1,2-Dichlorobenzene-d4 Amount: 1.00 Area: 9473



MANUAL INTEGRATION for 1,2-Dichlorobenzene-d4

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation
5. Other RT confirmation

Analyst: [signature] Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231003.D
Lab Smp Id: IC050723 Client Smp ID: IC050723
Inj Date : 23-JUL-2010 16:16
Operator : JZ Inst ID: nt6.i
Smp Info : IC050723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 16:16 Cal File: 07231003.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AR 07/26/10

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1	2-Fluorophenol	112	5.601	5.610	(0.738)	62073	5.00000	4.981
$	2	Phenol-d5	99	7.204	7.218	(0.949)	73294	5.00000	4.782
	3	Phenol	94	7.220	7.237	(0.951)	91025	5.00000	5.038
$	5	2-Chlorophenol-d4	132	7.295	7.303	(0.961)	61520	5.00000	4.683
	4	Bis(2-Chloroethyl)ether	93	7.273	7.290	(0.958)	64256	5.00000	4.742
	6	2-Chlorophenol	128	7.316	7.327	(0.964)	76417	5.00000	4.949
	7	1,3-Dichlorobenzene	146	7.524	7.530	(0.992)	84066	5.00000	4.777
*	8	1,4-Dichlorobenzene-d4	152	7.588	7.595	(1.000)	188843	20.0000	
	9	1,4-Dichlorobenzene	146	7.615	7.621	(1.004)	80512	5.00000	4.771
$	10	1,2-Dichlorobenzene-d4	152	7.887	7.896	(1.039)	42333	5.00000	4.807
	12	1,2-Dichlorobenzene	146	7.909	7.915	(1.042)	77428	5.00000	4.752
	11	Benzyl alcohol	108	7.893	7.910	(1.040)	37693	5.00000	5.074
	14	2,2'-oxybis(1-Chloropropane)	45	8.160	8.161	(1.075)	68852	5.00000	4.830
	13	2-Methylphenol	108	8.155	8.166	(1.075)	65950	5.00000	5.028
	17	Hexachloroethane	117	8.400	8.406	(1.107)	29693	5.00000	4.763
	16	N-Nitroso-di-n-propylamine	70	8.368	8.390	(1.103)	42945	5.00000	4.840
	15	4-Methylphenol	108	8.389	8.406	(1.106)	67797	5.00000	5.177
$	18	Nitrobenzene-d5	82	8.528	8.542	(0.885)	56653	5.00000	4.683
	19	Nitrobenzene	77	8.560	8.572	(0.888)	67842	5.00000	4.754
	20	Isophorone	82	8.945	8.967	(0.928)	104816	5.00000	4.812
	21	2-Nitrophenol	139	9.079	9.090	(0.942)	39084	5.00000	5.159
	22	2,4-Dimethylphenol	107	9.217	9.234	(0.956)	68790	5.00000	5.014
	23	Bis(2-Chloroethoxy)methane	93	9.356	9.373	(0.971)	72352	5.00000	4.787
	24	Benzoic acid	105	9.383	9.603	(0.973)	76776	10.0000	10.00
	25	2,4-Dichlorophenol	162	9.474	9.485	(0.983)	59625	5.00000	5.154
	26	1,2,4-Trichlorobenzene	180	9.591	9.597	(0.995)	61064	5.00000	4.715
*	27	Naphthalene-d8	136	9.639	9.651	(1.000)	605649	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.671	9.683	(1.003)	181764	5.00000	4.719
	29 4-Chloroaniline	127	9.837	9.843	(1.020)	72237	5.00000	4.855
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	34322	5.00000	4.693
	31 4-Chloro-3-methylphenol	107	10.670	10.682	(1.107)	55875	5.00000	5.059
	32 2-Methylnaphthalene	141	10.798	10.805	(1.120)	96623	5.00000	4.673
	33 Hexachlorocyclopentadiene	237	11.183	11.184	(0.895)	24140	5.00000	5.946
	34 2,4,6-Trichlorophenol	196	11.322	11.333	(0.906)	38607	5.00000	5.224
	35 2,4,5-Trichlorophenol	196	11.380	11.392	(0.911)	38732	5.00000	4.978
$	36 2-Fluorobiphenyl	172	11.450	11.453	(0.916)	116339	5.00000	4.614
	37 2-Chloronaphthalene	162	11.567	11.579	(0.926)	115487	5.00000	4.767
	38 2-Nitroaniline	65	11.818	11.835	(0.946)	26745	5.00000	5.052
	39 Dimethylphthalate	163	12.198	12.220	(0.976)	122958	5.00000	4.779
	40 Acenaphthylene	152	12.246	12.252	(0.980)	181028	5.00000	4.802
	41 2,6-Dinitrotoluene	165	12.288	12.305	(0.983)	28217	5.00000	5.140
*	42 Acenaphthene-d10	164	12.497	12.503	(1.000)	328204	20.0000	
	43 3-Nitroaniline	138	12.497	12.519	(1.000)	27727	5.00000	5.095
	44 Acenaphthene	153	12.545	12.562	(1.004)	107606	5.00000	4.750
	45 2,4-Dinitrophenol	184	12.662	12.690	(1.013)	26211	10.0000	10.00
	46 Dibenzofuran	168	12.807	12.823	(1.025)	142947	5.00000	4.692
	47 4-Nitrophenol	109	12.839	12.861	(1.027)	15729	5.00000	5.699(M)
	48 2,4-Dinitrotoluene	165	12.908	12.930	(1.033)	35468	5.00000	5.102
	50 Diethylphthalate	149	13.351	13.368	(1.068)	118248	5.00000	4.653
	49 Fluorene	166	13.362	13.379	(1.069)	123844	5.00000	4.667
	51 4-Chlorophenyl-phenylether	204	13.399	13.411	(1.072)	58261	5.00000	4.772
	52 4-Nitroaniline	138	13.485	13.523	(1.079)	28297	5.00000	5.191
	53 4,6-Dinitro-2-methylphenol	198	13.554	13.593	(0.912)	43858	10.0000	10.00
	54 N-Nitrosodiphenylamine	169	13.608	13.630	(0.916)	87899	5.00000	4.840
$	55 2,4,6-Tribromophenol	330	13.784	13.798	(1.103)	13235	5.00000	4.914
	56 4-Bromophenyl-phenylether	248	14.179	14.185	(0.954)	35138	5.00000	4.831
	57 Hexachlorobenzene	284	14.382	14.399	(0.968)	37907	5.00000	4.835
	58 Pentachlorophenol	266	14.692	14.704	(0.989)	19791	5.00000	5.789
*	59 Phenanthrene-d10	188	14.858	14.869	(1.000)	492773	20.0000	
	60 Phenanthrene	178	14.895	14.912	(1.003)	159461	5.00000	4.707
	61 Anthracene	178	14.964	14.987	(1.007)	166219	5.00000	4.775
	62 Carbazole	167	15.263	15.280	(1.027)	158046	5.00000	4.841
	63 Di-n-butylphthalate	149	16.001	16.012	(1.077)	192052	5.00000	5.004
	64 Fluoranthene	202	16.823	16.835	(1.132)	177338	5.00000	4.949
	65 Pyrene	202	17.176	17.187	(0.897)	178662	5.00000	4.347
$	66 Terphenyl-d14	244	17.512	17.515	(0.914)	96507	5.00000	4.220
	67 Butylbenzylphthalate	149	18.404	18.421	(0.961)	80552	5.00000	4.651
	68 Benzo(a)anthracene	228	19.130	19.147	(0.999)	166136	5.00000	4.340
*	69 Chrysene-d12	240	19.157	19.169	(1.000)	623042	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.162	19.174	(1.000)	55077	5.00000	4.433
	71 Chrysene	228	19.194	19.217	(1.002)	155906	5.00000	4.276
	72 bis(2-Ethylhexyl)phthalate	149	19.413	19.420	(0.954)	108145	5.00000	5.037
*	134 Di-n-octylphthalate-d4	153	20.343	20.354	(1.000)	685489	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	194029	5.00000	4.695

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.781	20.803	(0.975)	166719	5.00000	4.671
75	Benzo(k)fluoranthene	252	20.813	20.840	(0.977)	198908	5.00000	4.799
187	Total Benzofluoranthenes	252	20.813	20.840	(0.977)	344081	10.0000	9.327(M)
76	Benzo(a)pyrene	252	21.224	21.246	(0.996)	164015	5.00000	4.793
* 77	Perylene-d12	264	21.304	21.316	(1.000)	509773	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.688	22.720	(1.065)	216702	5.00000	4.777
79	Dibenzo(a,h)anthracene	278	22.714	22.747	(1.066)	169511	5.00000	4.925
80	Benzo(g,h,i)perylene	276	23.040	23.089	(1.081)	196333	5.00000	4.723
90	N-Nitrosodimethylamine	74	2.717	2.750	(0.358)	39738	5.00000	4.876
103	Pyridine	79	2.696	2.702	(0.355)	71561	5.00000	5.314
91	Aniline	93	7.150	7.157	(0.942)	95044	5.00000	4.934
105	1-methylnaphthalene	141	10.964	10.975	(1.137)	100691	5.00000	4.728
93	Benzidine	184	17.095	17.107	(0.892)	68739	5.00000	4.937
111	Azobenzene (1,2-DP-Hydrazine)	77	13.650	13.667	(1.092)	117681	5.00000	4.767
143	1,4-Dioxane	88	2.146	2.168	(0.283)	26093	5.00000	4.815
$ 137	d8-1,4-Dioxane	96	2.103	2.125	(0.277)	25422	5.00000	4.864
144	alpha-Terpineol	59	9.714	9.731	(1.008)	36496	5.00000	4.891
98	Retene	219	17.747	17.759	(0.926)	57705	5.00000	4.531
133	Butylatedhydroxytoluene	205	12.694	12.706	(1.016)	99782	5.00000	4.816
115	Tributyl Phosphate	99	13.731	13.763	(0.924)	140283	5.00000	5.022
116	Dibutyl Phenyl Phosphate	175	15.445	15.457	(1.040)	93863	5.00000	5.261
117	Butyl Diphenyl Phosphate	94	17.122	17.134	(0.894)	31549	5.00000	4.668
118	Triphenyl Phosphate	326	18.714	18.731	(0.977)	28800	5.00000	4.536
123	Acetophenone	105	8.299	8.316	(1.094)	81853	5.00000	4.847
179	n-Decane	57	7.444	7.450	(0.981)	53416	5.00000	4.648
180	n-Octadecane	57	14.825	14.832	(0.998)	52425	5.00000	4.767
168	Pentachlorobenzene	250	12.849	12.866	(1.028)	43692	5.00000	4.694
113	Diphenyl Oxide	170	11.776	11.782	(0.942)	108267	5.00000	4.622
112	Biphenyl	154	11.578	11.590	(0.926)	131006	5.00000	5.000
120	2,3,4,6-Tetrachlorophenol	232	13.100	13.112	(1.048)	32722	5.00000	5.205
151	1,2,4,5-Tetrachlorobenzene	216	11.135	11.141	(0.891)	60230	5.00000	4.770
110	Tetrachloroguaiacol	247	14.820	14.842	(0.997)	36086	10.0000	10.00
109	3,4,5-Trichloroguaiacol	213	13.202	13.219	(0.889)	18448	5.00000	5.000
181	3,4,6-Trichloroguaiacol	211	13.314	13.331	(1.755)	21749	5.00000	5.000
108	4,5,6-Trichloroguaiacol	213	14.238	14.250	(1.139)	18514	5.00000	5.000
184	3,4-Dichloroguaiacol	192	11.669	11.675	(1.538)	19386	5.00000	5.000
107	4,5-Dichloroguaiacol	192	12.459	12.476	(0.997)	48672	10.0000	10.00
182	4,6-Dichloroguaiacol	192	12.459	12.476	(1.642)	48672	10.0000	10.00
185	4-Chloroguaiacol	115	10.590	10.596	(1.396)	12618	2.50000	2.500
186	Carbaryl	144	15.680	15.702	(1.055)	58301	5.00000	4.718
106	Guaiacol	124	8.571	8.588	(1.129)	58543	5.00000	4.850

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231003.D
Lab Smp Id: IC050723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC050723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	188843	3.31
27 Naphthalene-d8	584137	292068	1168274	605649	3.68
42 Acenaphthene-d10	320442	160221	640884	328204	2.42
59 Phenanthrene-d10	503793	251896	1007586	492773	-2.19
69 Chrysene-d12	532343	266172	1064686	623042	17.04
134 Di-n-octylphthala	719428	359714	1438856	685489	-4.72
77 Perylene-d12	517269	258634	1034538	509773	-1.45

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.05
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.04
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.03
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.02
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.02
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.02

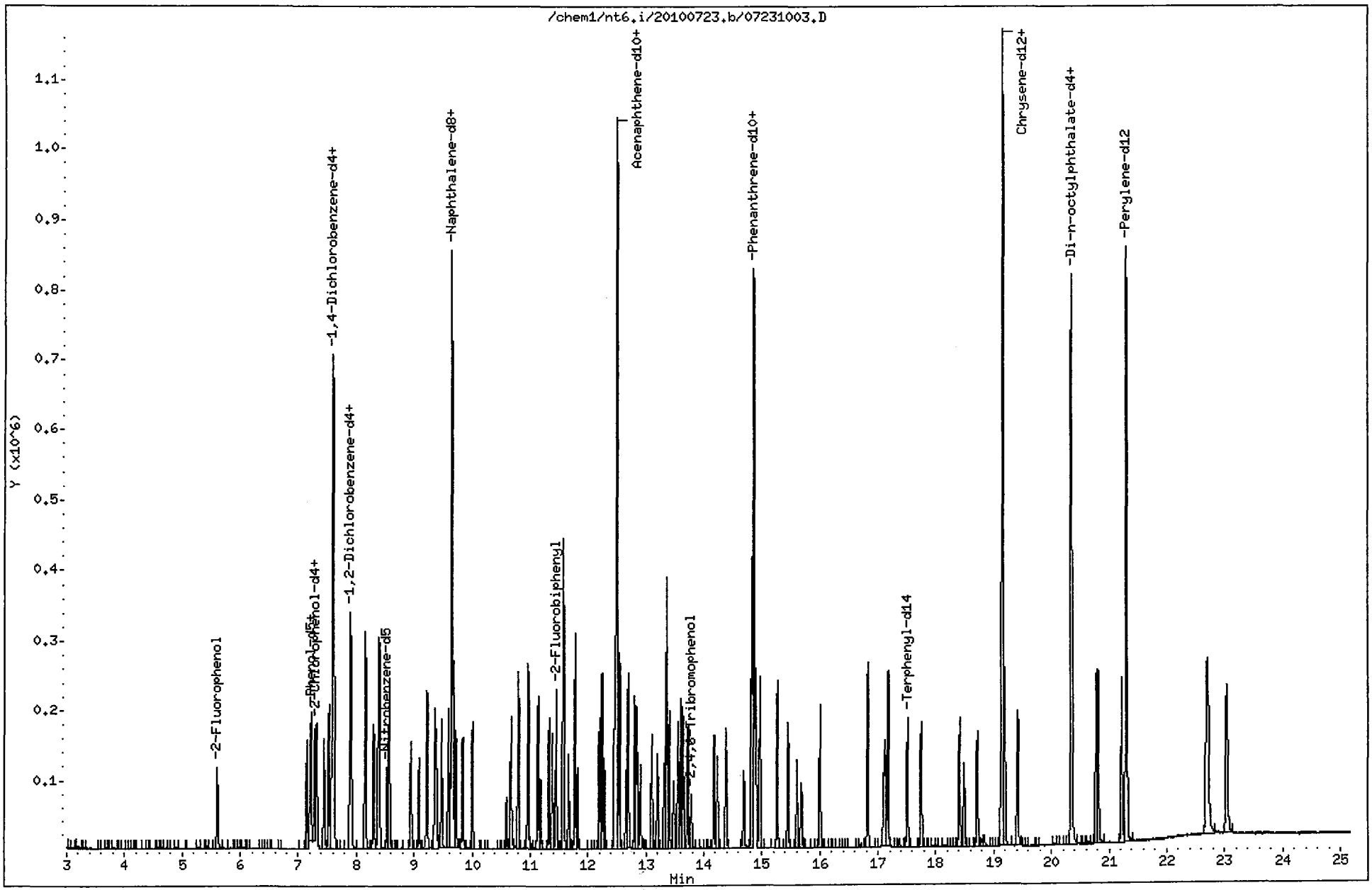
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231003.D
Date : 23-JUL-2010 16:16
Client ID: IC050723
Sample Info: IC050723,

Instrument: nt6.i

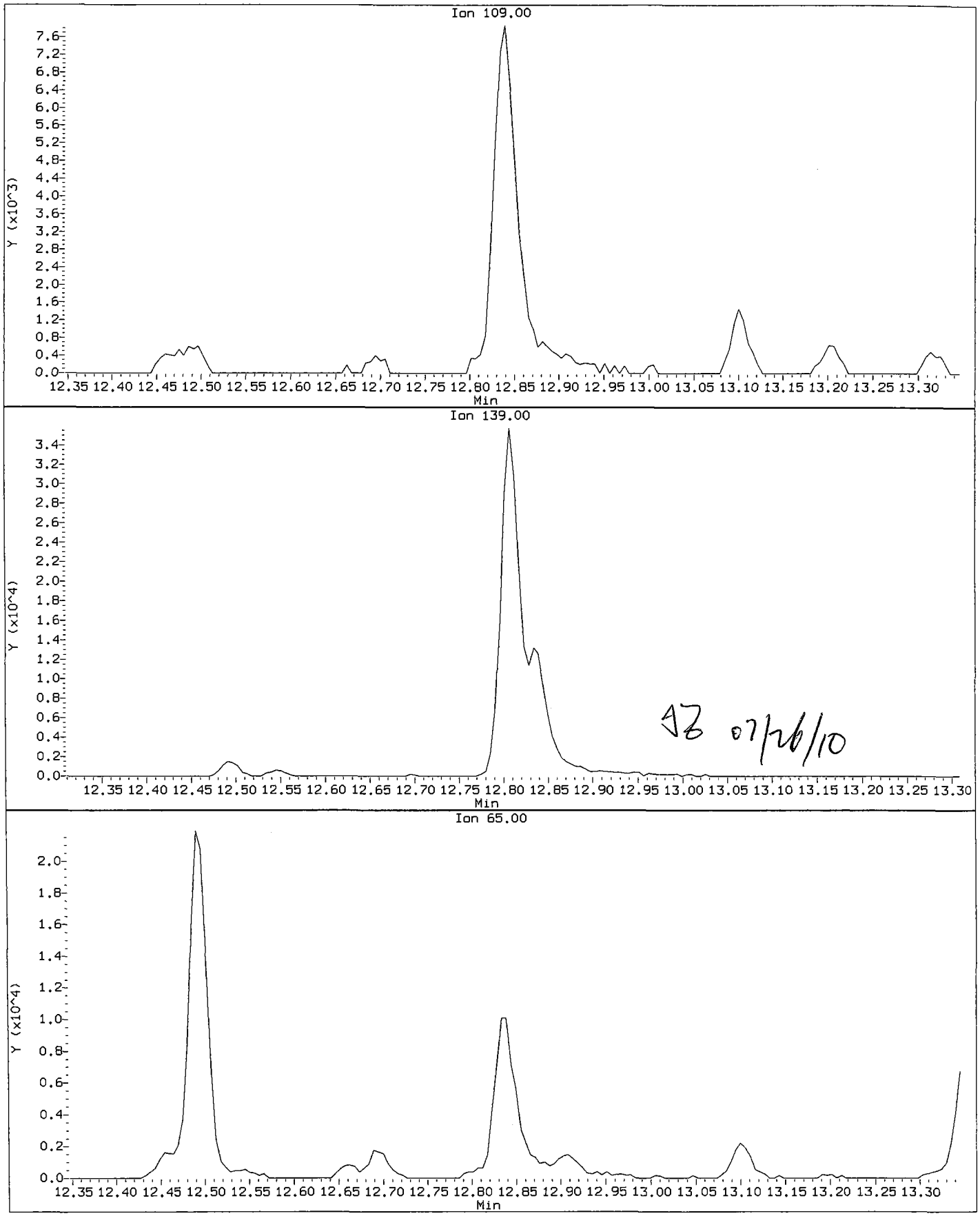
Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

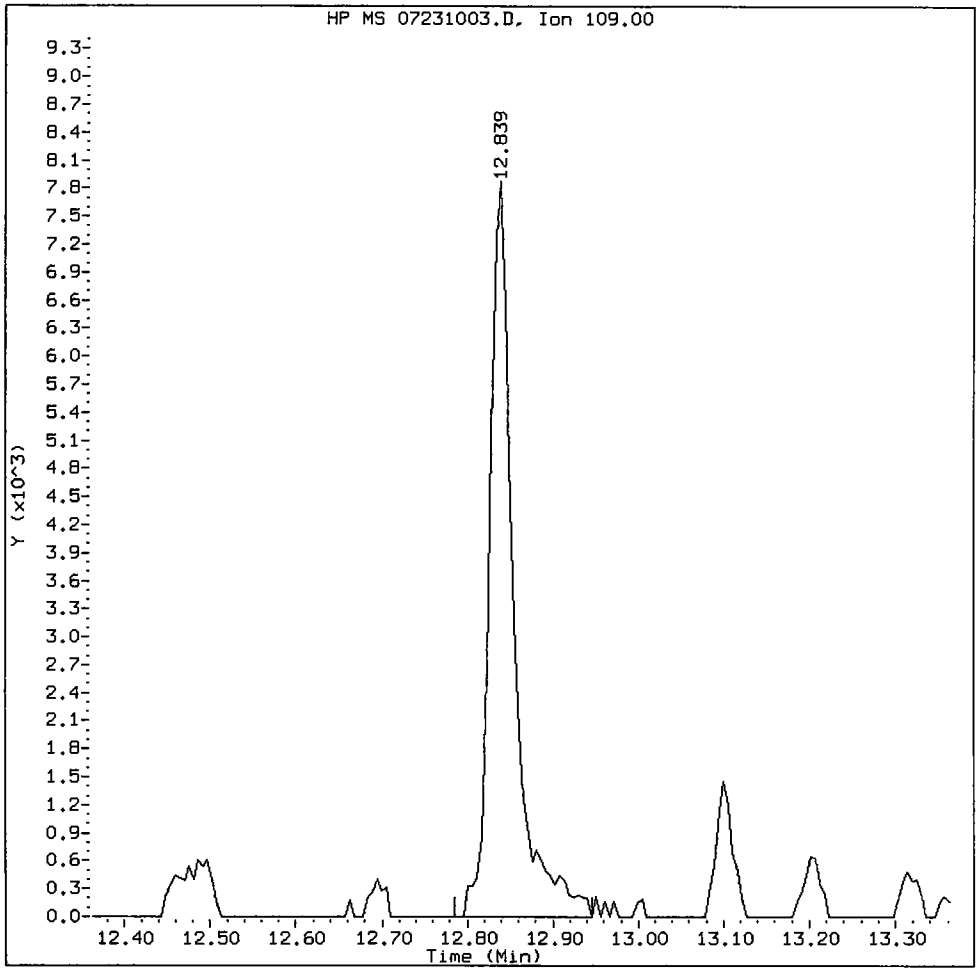
Compound: 4-Nitrophenol
CAS Number: 100-02-7



AZ 07/26/10

IC050723, /chem1/nt6.i/20100723.b/07231003.D

4-Nitrophenol Amount: 5.70 Area: 15729



MANUAL INTEGRATION for 4-Nitrophenol

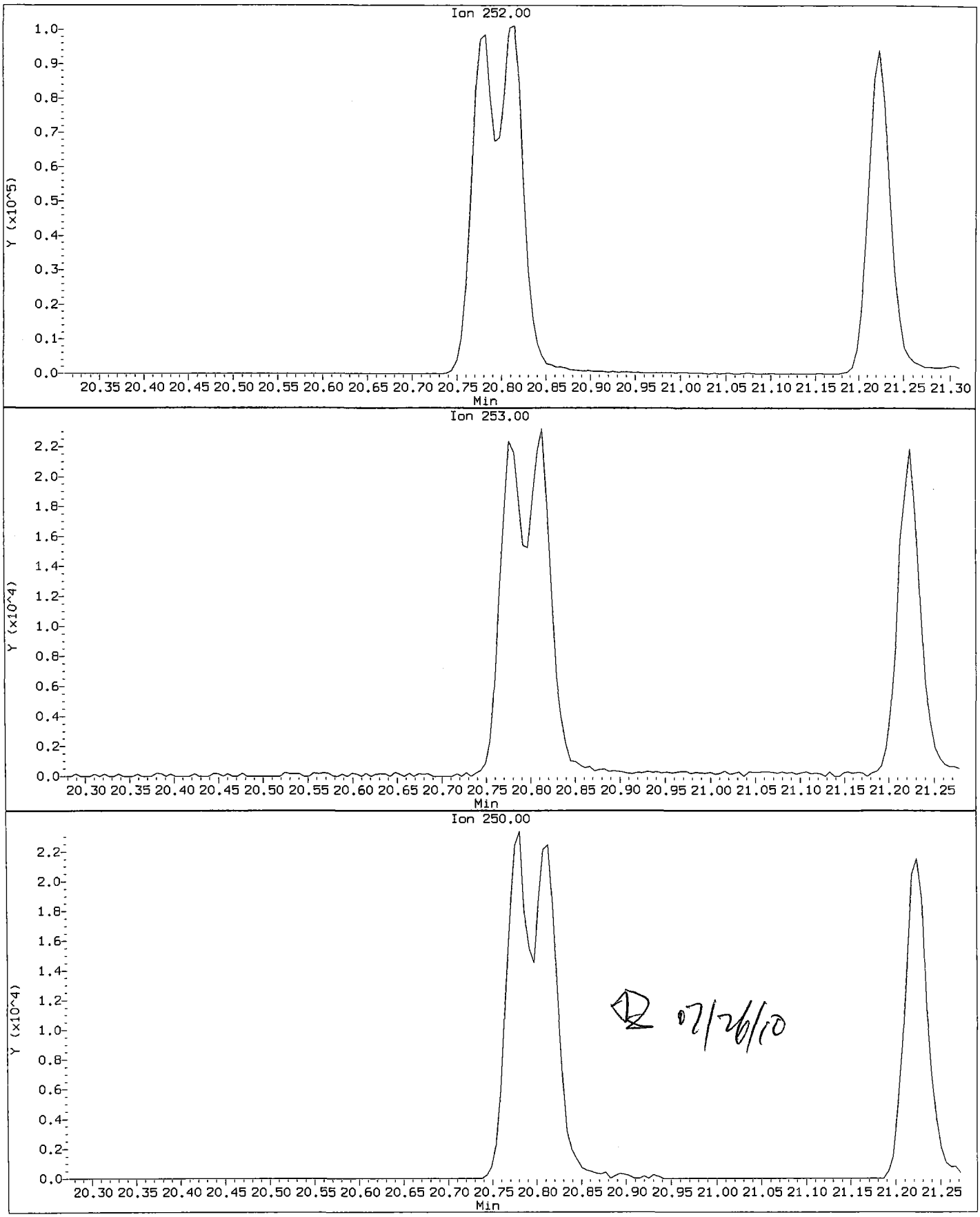
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/28/10

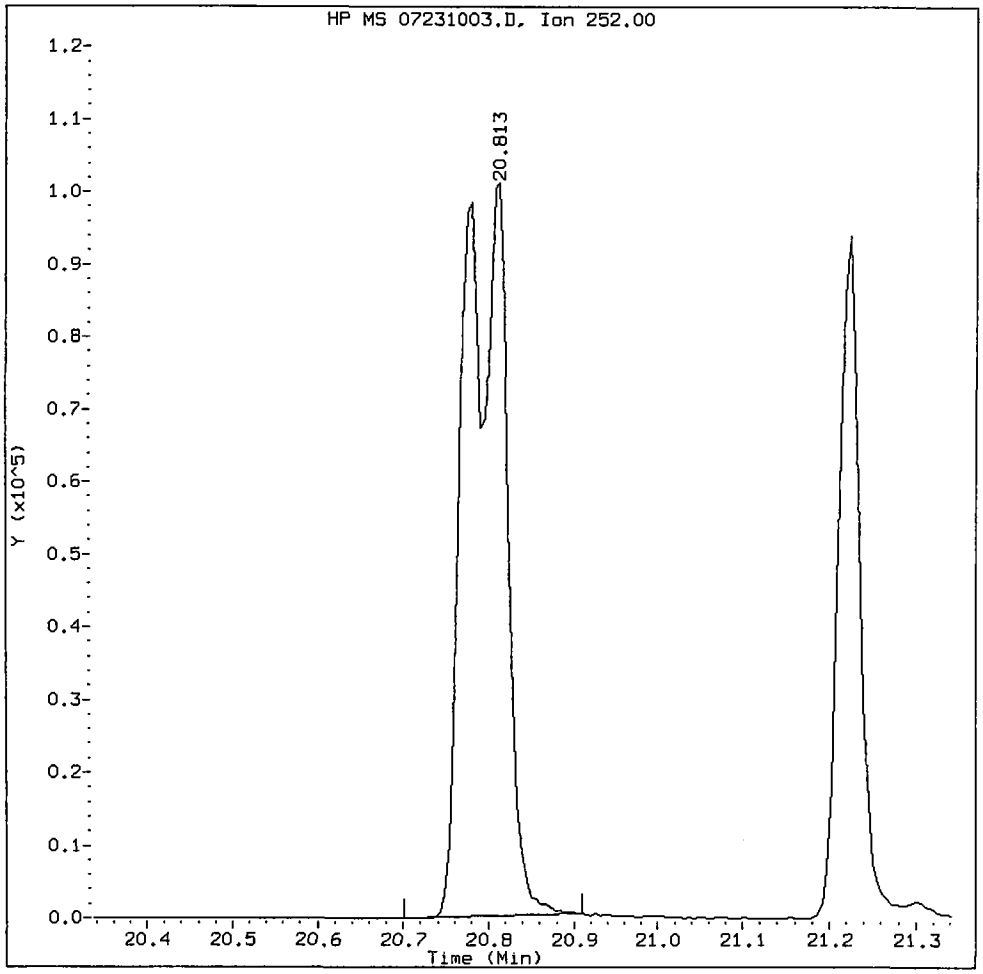
Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

Compound: Total Benzofluoranthenes
CAS Number:



IC050723, /chem1/nt6.i/20100723.b/07231003.D

Total Benzofluoranthenes Amount: 9.33 Area: 344081



MANUAL INTEGRATION for Total Benzofluoranthenes

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

5. Other _____

Analyst: AZ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231004.D
Lab Smp Id: IC100723 Client Smp ID: IC100723
Inj Date : 23-JUL-2010 16:52
Operator : JZ Inst ID: nt6.i
Smp Info : IC100723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 16:52 Cal File: 07231004.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/28/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.605	5.610	(0.738)	126872	10.0000	10.22
$	2 Phenol-d5	99	7.202	7.218	(0.949)	148082	10.0000	9.874
	3 Phenol	94	7.224	7.237	(0.951)	163142	10.0000	9.431
$	5 2-Chlorophenol-d4	132	7.293	7.303	(0.961)	124752	10.0000	9.760
	4 Bis(2-Chloroethyl)ether	93	7.277	7.290	(0.958)	121813	10.0000	9.403
	6 2-Chlorophenol	128	7.320	7.327	(0.964)	140635	10.0000	9.487
	7 1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	165746	10.0000	9.706
*	8 1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	185943	20.0000	
	9 1,4-Dichlorobenzene	146	7.614	7.621	(1.003)	162647	10.0000	9.858
$	10 1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	86495	10.0000	9.984
	12 1,2-Dichlorobenzene	146	7.913	7.915	(1.042)	152136	10.0000	9.649
	11 Benzyl alcohol	108	7.897	7.910	(1.040)	79223	10.0000	10.54
	14 2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	135515	10.0000	9.767
	13 2-Methylphenol	108	8.153	8.166	(1.074)	120955	10.0000	9.567
	17 Hexachloroethane	117	8.399	8.406	(1.106)	58544	10.0000	9.687
	16 N-Nitroso-di-n-propylamine	70	8.367	8.390	(1.102)	86011	10.0000	9.896
	15 4-Methylphenol	108	8.388	8.406	(1.105)	122953	10.0000	9.685
$	18 Nitrobenzene-d5	82	8.532	8.542	(0.885)	117660	10.0000	9.952
	19 Nitrobenzene	77	8.559	8.572	(0.888)	134857	10.0000	9.761
	20 Isophorone	82	8.944	8.967	(0.927)	212825	10.0000	9.983
	21 2-Nitrophenol	139	9.082	9.090	(0.942)	76116	10.0000	10.17
	22 2,4-Dimethylphenol	107	9.221	9.234	(0.956)	128445	10.0000	9.701
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	149711	10.0000	10.07
	24 Benzoic acid	105	9.419	9.603	(0.977)	163463	20.0000	20.83
	25 2,4-Dichlorophenol	162	9.472	9.485	(0.982)	111444	10.0000	9.889
	26 1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	123035	10.0000	9.797
*	27 Naphthalene-d8	136	9.643	9.651	(1.000)	593293	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.670	9.683	(1.003)	365998	10.0000	9.797
	29 4-Chloroaniline	127	9.835	9.843	(1.020)	147238	10.0000	10.07
	30 Hexachlorobutadiene	225	10.001	10.009	(1.037)	69541	10.0000	9.802
	31 4-Chloro-3-methylphenol	107	10.669	10.682	(1.106)	107429	10.0000	9.953
	32 2-Methylnaphthalene	141	10.797	10.805	(1.120)	197718	10.0000	9.839
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.895)	58996	10.0000	12.73
	34 2,4,6-Trichlorophenol	196	11.320	11.333	(0.906)	74618	10.0000	10.16
	35 2,4,5-Trichlorophenol	196	11.379	11.392	(0.911)	75201	10.0000	9.867
$	36 2-Fluorobiphenyl	172	11.448	11.453	(0.916)	233627	10.0000	9.590
	37 2-Chloronaphthalene	162	11.571	11.579	(0.926)	231438	10.0000	9.790
	38 2-Nitroaniline	65	11.817	11.835	(0.946)	55300	10.0000	10.39
	39 Dimethylphthalate	163	12.202	12.220	(0.976)	255146	10.0000	10.04
	40 Acenaphthylene	152	12.244	12.252	(0.980)	366052	10.0000	9.898
	41 2,6-Dinitrotoluene	165	12.287	12.305	(0.983)	59580	10.0000	10.65
*	42 Acenaphthene-d10	164	12.495	12.503	(1.000)	323613	20.0000	
	43 3-Nitroaniline	138	12.495	12.519	(1.000)	57832	10.0000	10.51
	44 Acenaphthene	153	12.549	12.562	(1.004)	219666	10.0000	9.889
	45 2,4-Dinitrophenol	184	12.661	12.690	(1.013)	67900	20.0000	22.71
	46 Dibenzofuran	168	12.810	12.823	(1.025)	295122	10.0000	9.882
	47 4-Nitrophenol	109	12.837	12.861	(1.027)	31555	10.0000	11.01 (M)
	48 2,4-Dinitrotoluene	165	12.912	12.930	(1.033)	75601	10.0000	10.66
	50 Diethylphthalate	149	13.355	13.368	(1.069)	237651	10.0000	9.650
	49 Fluorene	166	13.366	13.379	(1.070)	251059	10.0000	9.726
	51 4-Chlorophenyl-phenylether	204	13.403	13.411	(1.073)	118001	10.0000	9.868
	52 4-Nitroaniline	138	13.489	13.523	(1.079)	58433	10.0000	10.56
	53 4,6-Dinitro-2-methylphenol	198	13.558	13.593	(0.912)	93942	20.0000	20.60
	54 N-Nitrosodiphenylamine	169	13.612	13.630	(0.916)	179875	10.0000	9.881
$	55 2,4,6-Tribromophenol	330	13.788	13.798	(1.103)	29796	10.0000	10.78
	56 4-Bromophenyl-phenylether	248	14.178	14.185	(0.954)	74043	10.0000	10.06
	57 Hexachlorobenzene	284	14.386	14.399	(0.968)	78922	10.0000	9.989
	58 Pentachlorophenol	266	14.691	14.704	(0.988)	44473	10.0000	11.76
*	59 Phenanthrene-d10	188	14.861	14.869	(1.000)	496900	20.0000	
	60 Phenanthrene	178	14.893	14.912	(1.002)	333776	10.0000	9.845
	61 Anthracene	178	14.968	14.987	(1.007)	346010	10.0000	9.904
	62 Carbazole	167	15.267	15.280	(1.027)	323370	10.0000	9.882
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	402360	10.0000	10.26
	64 Fluoranthene	202	16.822	16.835	(1.132)	366262	10.0000	10.09
	65 Pyrene	202	17.174	17.187	(0.897)	365007	10.0000	9.373
$	66 Terphenyl-d14	244	17.511	17.515	(0.914)	202672	10.0000	9.359
	67 Butylbenzylphthalate	149	18.408	18.421	(0.961)	172956	10.0000	10.14
	68 Benzo(a)anthracene	228	19.134	19.147	(0.999)	337172	10.0000	9.320
*	69 Chrysene-d12	240	19.156	19.169	(1.000)	608888	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.161	19.174	(1.000)	111890	10.0000	9.463
	71 Chrysene	228	19.198	19.217	(1.002)	317375	10.0000	9.244
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	234792	10.0000	10.52
*	134 Di-n-octylphthalate-d4	153	20.347	20.354	(1.000)	694500	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	395465	10.0000	9.623

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.779	20.803	(0.975)	358007	10.0000	10.12
75	Benzo(k)fluoranthene	252	20.811	20.840	(0.977)	375520	10.0000	9.450
187	Total Benzofluoranthenes	252	20.811	20.840	(0.977)	687719	20.0000	19.27(M)
76	Benzo(a)pyrene	252	21.223	21.246	(0.996)	342186	10.0000	10.10
* 77	Perylene-d12	264	21.303	21.316	(1.000)	502175	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.686	22.720	(1.065)	442073	10.0000	9.928
79	Dibenzo(a,h)anthracene	278	22.718	22.747	(1.066)	346747	10.0000	10.15
80	Benzo(g,h,i)perylene	276	23.044	23.089	(1.082)	396501	10.0000	9.786
90	N-Nitrosodimethylamine	74	2.716	2.750	(0.358)	82848	10.0000	10.21
103	Pyridine	79	2.694	2.702	(0.355)	150658	10.0000	10.87
91	Aniline	93	7.149	7.157	(0.942)	193137	10.0000	10.12
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	201404	10.0000	9.767
93	Benzidine	184	17.099	17.107	(0.893)	125128	10.0000	9.449
111	Azobenzene (1,2-DP-Hydrazine)	77	13.649	13.667	(1.092)	242420	10.0000	9.973
143	1,4-Dioxane	88	2.150	2.168	(0.283)	53699	10.0000	10.04
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.278)	51732	10.0000	10.03
144	alpha-Terpineol	59	9.718	9.731	(1.008)	72894	10.0000	9.981
98	Retene	219	17.751	17.759	(0.927)	118903	10.0000	9.698
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	192083	10.0000	9.593
115	Tributyl Phosphate	99	13.729	13.763	(0.924)	281983	10.0000	10.01
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	191183	10.0000	10.41
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	63332	10.0000	9.722
118	Triphenyl Phosphate	326	18.718	18.731	(0.977)	60209	10.0000	9.801
123	Acetophenone	105	8.303	8.316	(1.094)	165015	10.0000	9.949
179	n-Decane	57	7.443	7.450	(0.980)	109312	10.0000	9.770
180	n-Octadecane	57	14.824	14.832	(0.997)	108426	10.0000	9.850
168	Pentachlorobenzene	250	12.853	12.866	(1.029)	90440	10.0000	9.903
113	Diphenyl Oxide	170	11.774	11.782	(0.942)	221103	10.0000	9.711
112	Biphenyl	154	11.577	11.590	(0.926)	263995	10.0000	10.11
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.049)	67353	10.0000	10.56
151	1,2,4,5-Tetrachlorobenzene	216	11.133	11.141	(0.891)	116394	10.0000	9.557
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	80353	20.0000	20.99
109	3,4,5-Trichloroguaiacol	213	13.206	13.219	(0.889)	40031	10.0000	10.37
181	3,4,6-Trichloroguaiacol	211	13.318	13.331	(1.754)	47470	10.0000	10.51
108	4,5,6-Trichloroguaiacol	213	14.237	14.250	(1.139)	41107	10.0000	10.59
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	42471	10.0000	10.53
107	4,5-Dichloroguaiacol	192	12.458	12.476	(0.997)	106396	20.0000	21.03
182	4,6-Dichloroguaiacol	192	12.458	12.476	(1.641)	106071	20.0000	21.01
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	26123	5.00000	5.125
186	Carbaryl	144	15.684	15.702	(1.055)	153576	10.0000	11.44
106	Guaiacol	124	8.575	8.588	(1.129)	114633	10.0000	9.761

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231004.D
Lab Smp Id: IC100723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC100723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	185943	1.73
27 Naphthalene-d8	584137	292068	1168274	593293	1.57
42 Acenaphthene-d10	320442	160221	640884	323613	0.99
59 Phenanthrene-d10	503793	251896	1007586	496900	-1.37
69 Chrysene-d12	532343	266172	1064686	608888	14.38
134 Di-n-octylphthala	719428	359714	1438856	694500	-3.46
77 Perylene-d12	517269	258634	1034538	502175	-2.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.04
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.02

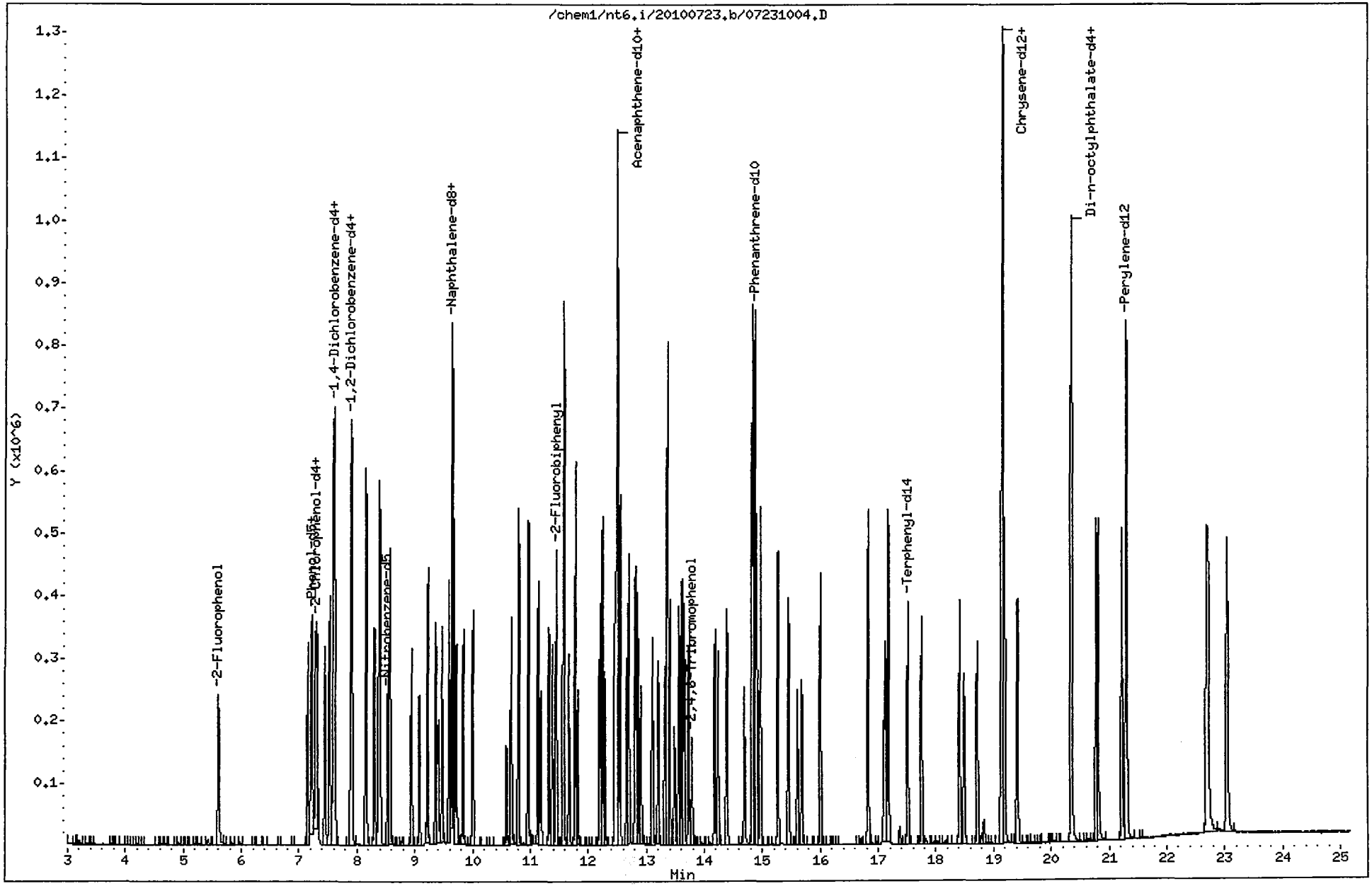
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231004.D
Date : 23-JUL-2010 16:52
Client ID: IC100723
Sample Info: IC100723,

Instrument: nt6.i

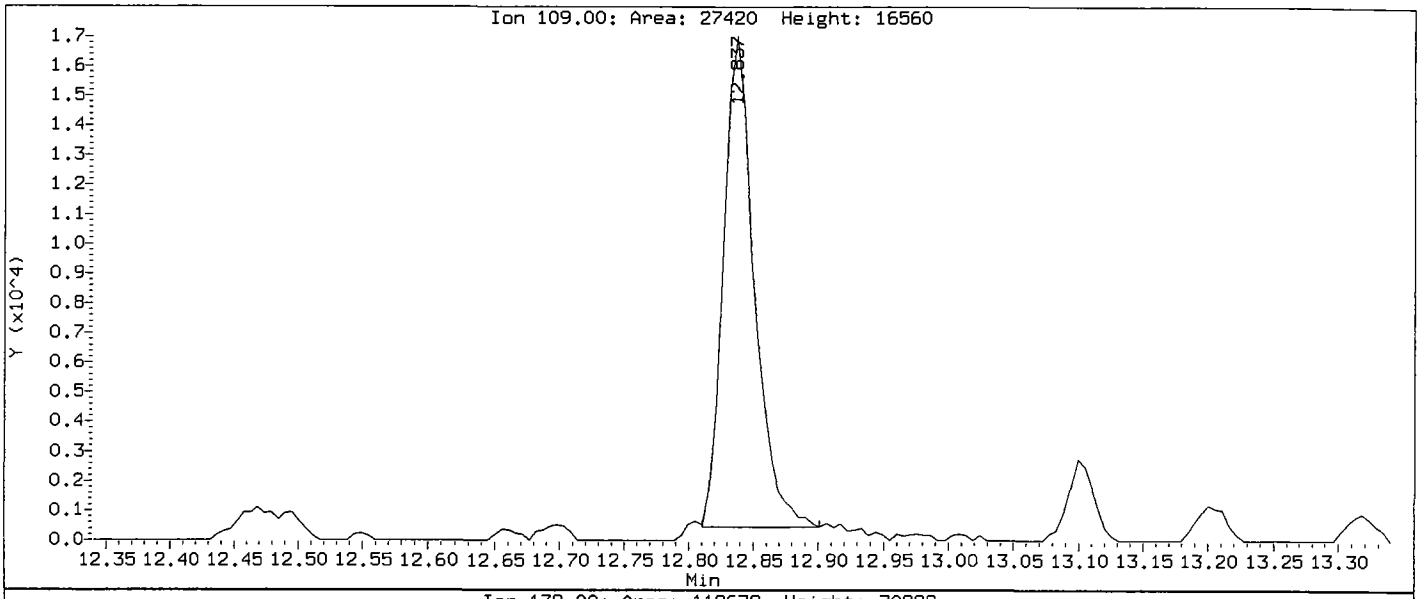
Operator: JZ
Column diameter: 0.32

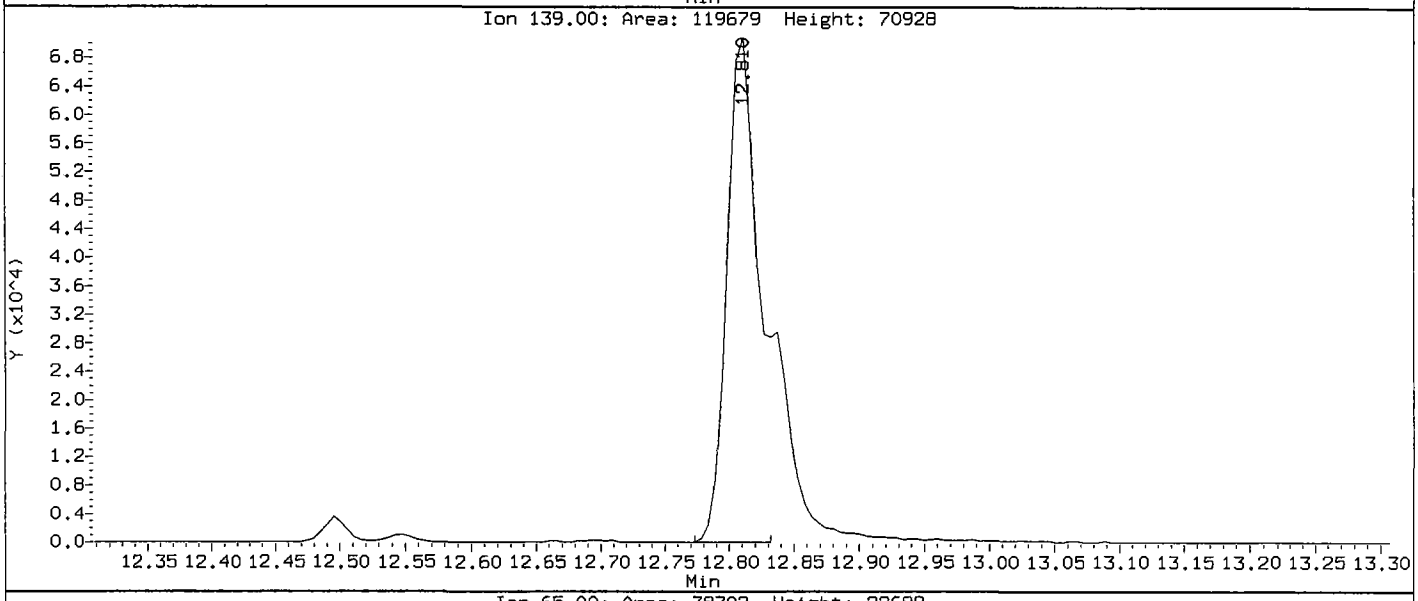
Column phase: ZB-5msi

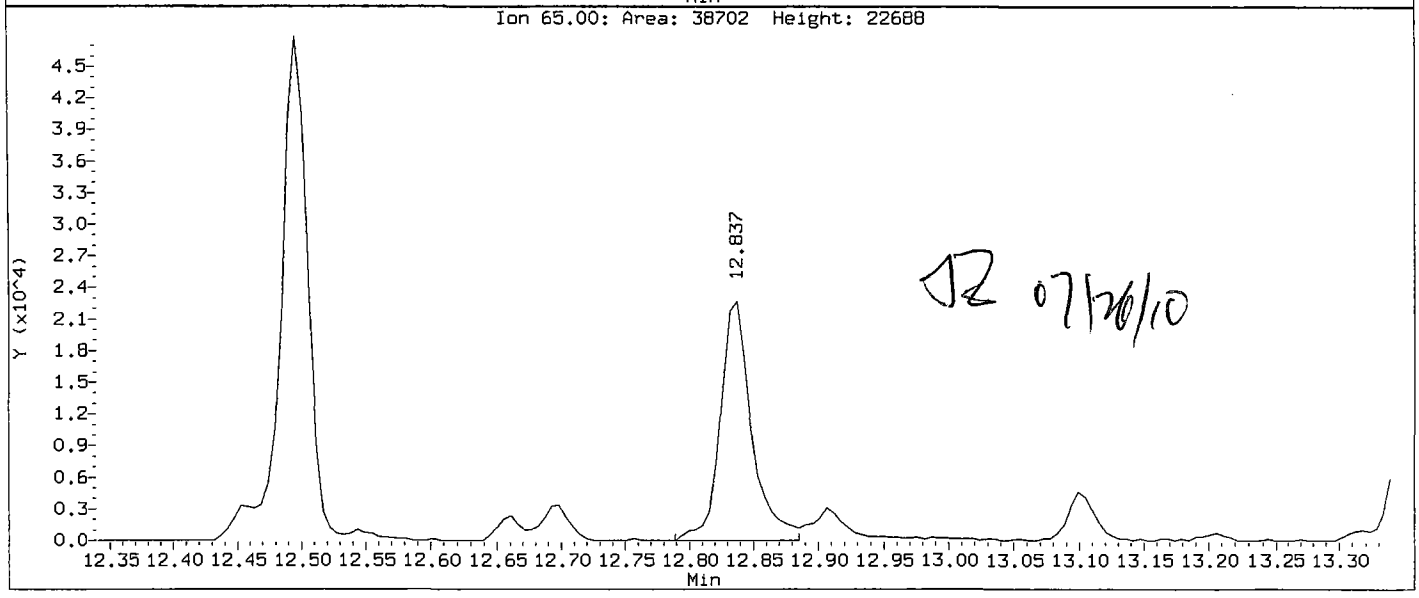


Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

Compound: 4-Nitrophenol
CAS Number: 100-02-7





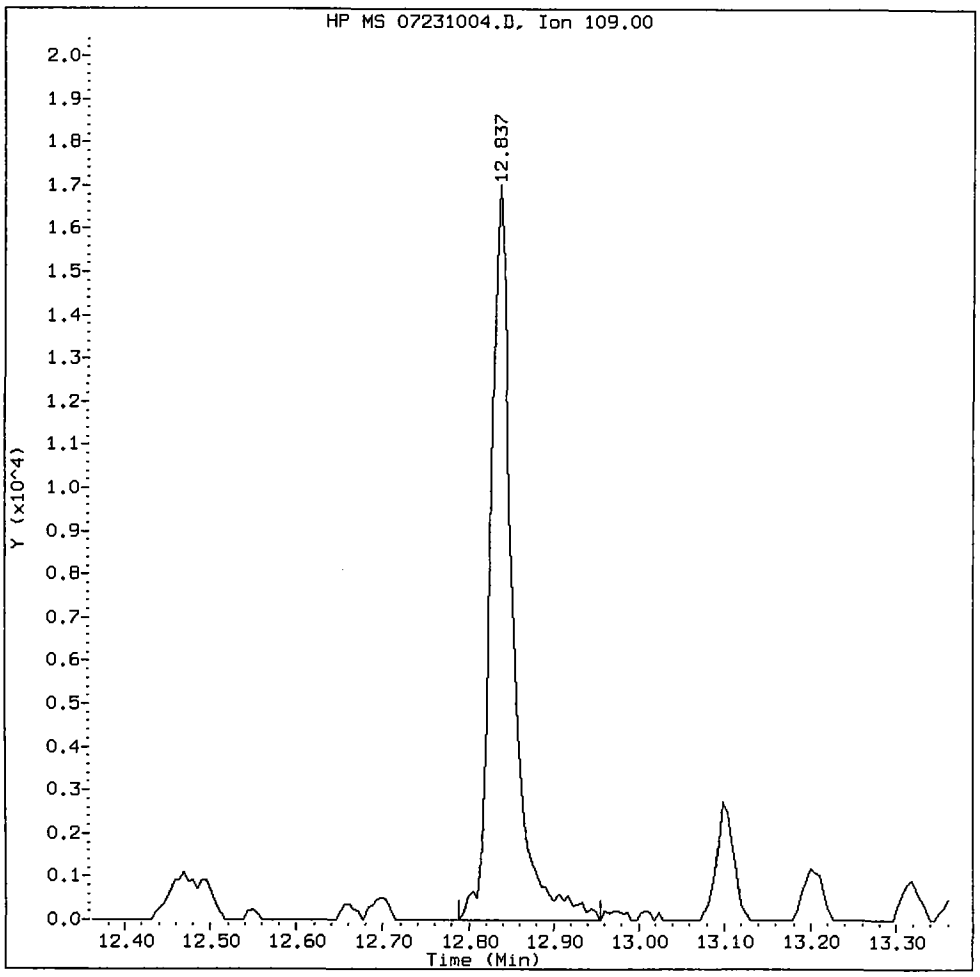


JR 07/26/10

RG60 : 00494

IC100723, /chem1/nt6.i/20100723.b/07231004.D

4-Nitrophenol Amount: 11.01 Area: 31555



MANUAL INTEGRATION for 4-Nitrophenol

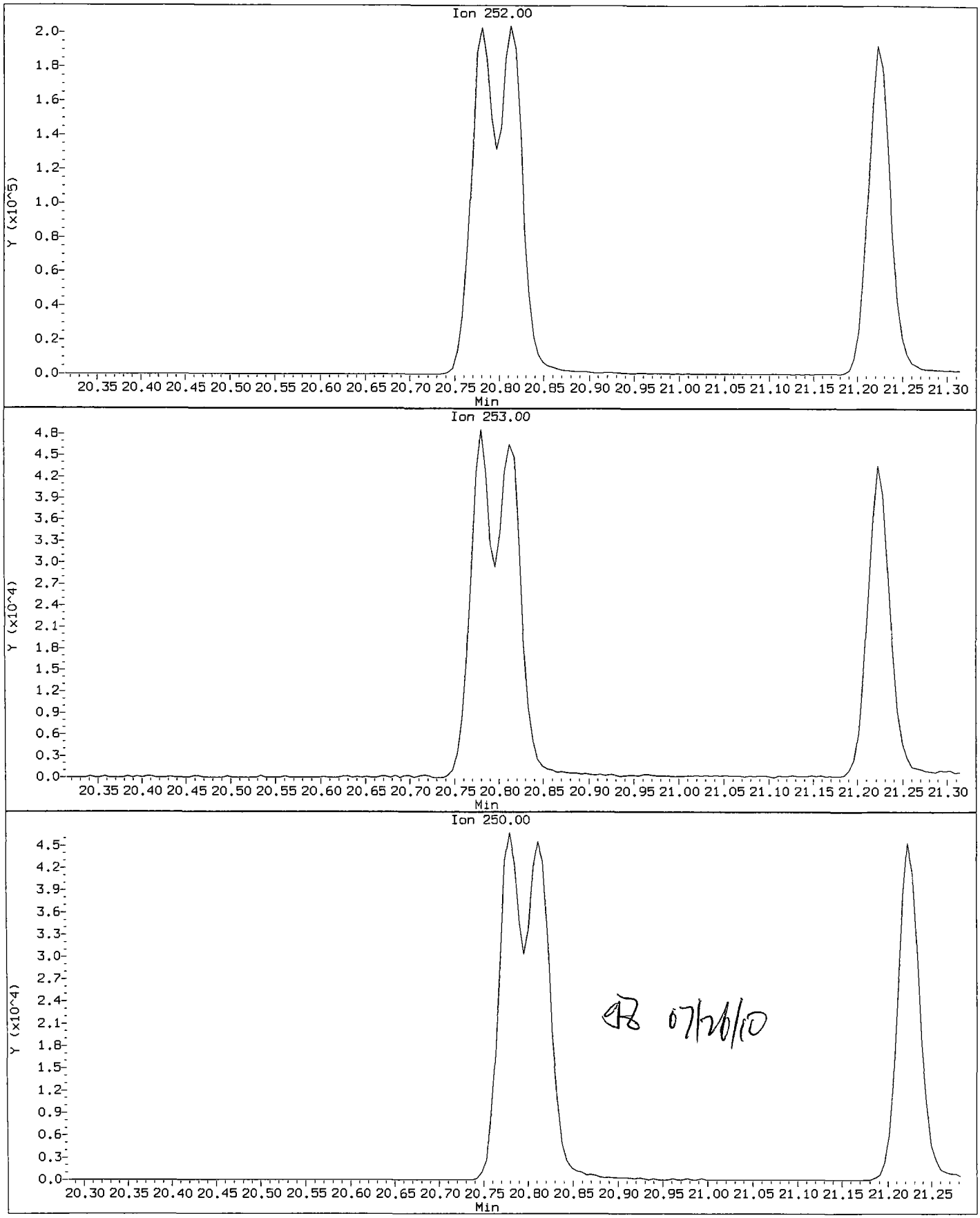
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

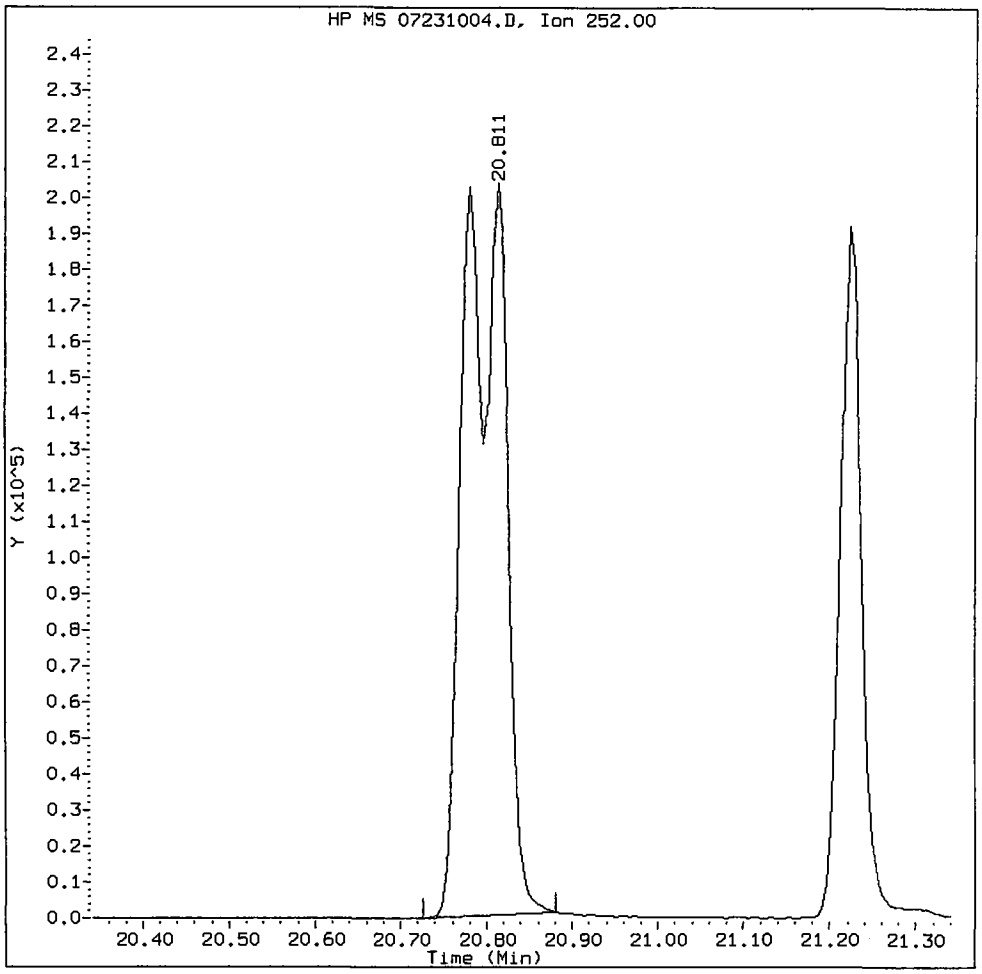
Compound: Total Benzofluoranthenes
CAS Number:



07/26/10

IC100723, /chem1/nt6.i/20100723.b/07231004.D

Total Benzofluoranthenes Amount: 19.27 Area: 687719



MANUAL INTEGRATION for Total Benzofluoranthenes

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

5. Other _____

Analyst: AB Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231001.D
Lab Smp Id: IC250723 Client Smp ID: IC250723
Inj Date : 23-JUL-2010 15:01
Operator : JZ Inst ID: nt6.i
Smp Info : IC250723
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:01 Cal File: 07231001.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.605	5.610	(0.738)	311522	25.0000	25.40
$	2 Phenol-d5	99	7.207	7.218	(0.949)	348471	25.0000	23.96
	3 Phenol	94	7.229	7.237	(0.952)	387771	25.0000	23.32
$	5 2-Chlorophenol-d4	132	7.293	7.303	(0.961)	290409	25.0000	23.56
	4 Bis(2-Chloroethyl)ether	93	7.282	7.290	(0.959)	299463	25.0000	23.87
	6 2-Chlorophenol	128	7.320	7.327	(0.964)	336281	25.0000	23.53
	7 1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	393980	25.0000	23.83
*	8 1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	182786	20.0000	
	9 1,4-Dichlorobenzene	146	7.619	7.621	(1.004)	390510	25.0000	24.30
$	10 1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	204344	25.0000	24.24
	12 1,2-Dichlorobenzene	146	7.912	7.915	(1.042)	353813	25.0000	23.33
	11 Benzyl alcohol	108	7.896	7.910	(1.040)	189620	25.0000	25.49
	14 2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	319647	25.0000	23.81
	13 2-Methylphenol	108	8.158	8.166	(1.075)	293058	25.0000	23.92
	17 Hexachloroethane	117	8.398	8.406	(1.106)	141205	25.0000	24.06
	16 N-Nitroso-di-n-propylamine	70	8.377	8.390	(1.103)	203786	25.0000	24.13
	15 4-Methylphenol	108	8.393	8.406	(1.106)	289738	25.0000	23.64
$	18 Nitrobenzene-d5	82	8.537	8.542	(0.885)	285365	25.0000	24.63
	19 Nitrobenzene	77	8.564	8.572	(0.888)	315680	25.0000	23.63
	20 Isophorone	82	8.949	8.967	(0.928)	506209	25.0000	24.33
	21 2-Nitrophenol	139	9.082	9.090	(0.942)	191103	25.0000	25.69
	22 2,4-Dimethylphenol	107	9.226	9.234	(0.957)	306864	25.0000	23.89
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	350199	25.0000	24.19
	24 Benzoic acid	105	9.477	9.603	(0.983)	467782	50.0000	56.57
	25 2,4-Dichlorophenol	162	9.477	9.485	(0.983)	267155	25.0000	24.30
	26 1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	295139	25.0000	24.14
*	27 Naphthalene-d8	136	9.643	9.651	(1.000)	584137	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.675	9.683	(1.003)	839339	25.0000	23.33
	29 4-Chloroaniline	127	9.835	9.843	(1.020)	335598	25.0000	23.71
	30 Hexachlorobutadiene	225	10.006	10.009	(1.038)	170886	25.0000	24.60
	31 4-Chloro-3-methylphenol	107	10.674	10.682	(1.107)	261511	25.0000	24.70
	32 2-Methylnaphthalene	141	10.797	10.805	(1.120)	450667	25.0000	23.30
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	160807	25.0000	31.84
	34 2,4,6-Trichlorophenol	196	11.325	11.333	(0.906)	191794	25.0000	26.01
	35 2,4,5-Trichlorophenol	196	11.384	11.392	(0.911)	194635	25.0000	25.59
$	36 2-Fluorobiphenyl	172	11.454	11.453	(0.916)	548947	25.0000	23.28
	37 2-Chloronaphthalene	162	11.571	11.579	(0.926)	539169	25.0000	23.49
	38 2-Nitroaniline	65	11.822	11.835	(0.946)	135253	25.0000	25.49
	39 Dimethylphthalate	163	12.207	12.220	(0.976)	613460	25.0000	24.53
	40 Acenaphthylene	152	12.244	12.252	(0.979)	848116	25.0000	23.59
	41 2,6-Dinitrotoluene	165	12.292	12.305	(0.983)	145587	25.0000	25.95
*	42 Acenaphthene-d10	164	12.500	12.503	(1.000)	320442	20.0000	
	43 3-Nitroaniline	138	12.500	12.519	(1.000)	135304	25.0000	24.87
	44 Acenaphthene	153	12.548	12.562	(1.004)	522996	25.0000	24.07
	45 2,4-Dinitrophenol	184	12.666	12.690	(1.013)	212676	50.0000	62.71
	46 Dibenzofuran	168	12.810	12.823	(1.025)	687180	25.0000	23.66
	47 4-Nitrophenol	109	12.842	12.861	(1.027)	78303	25.0000	26.89 (M)
	48 2,4-Dinitrotoluene	165	12.917	12.930	(1.033)	189836	25.0000	26.50
	50 Diethylphthalate	149	13.360	13.368	(1.069)	543562	25.0000	22.91
	49 Fluorene	166	13.366	13.379	(1.069)	586873	25.0000	23.44
	51 4-Chlorophenyl-phenylether	204	13.403	13.411	(1.072)	290075	25.0000	24.62
	52 4-Nitroaniline	138	13.494	13.523	(1.079)	138704	25.0000	25.24
	53 4,6-Dinitro-2-methylphenol	198	13.563	13.593	(0.913)	260085	50.0000	54.00
	54 N-Nitrosodiphenylamine	169	13.611	13.630	(0.916)	432780	25.0000	23.82
$	55 2,4,6-Tribromophenol	330	13.793	13.798	(1.103)	76705	25.0000	27.21
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	188502	25.0000	25.20
	57 Hexachlorobenzene	284	14.386	14.399	(0.968)	196721	25.0000	24.67
	58 Pentachlorophenol	266	14.696	14.704	(0.989)	127003	25.0000	30.64
*	59 Phenanthrene-d10	188	14.861	14.869	(1.000)	503793	20.0000	
	60 Phenanthrene	178	14.899	14.912	(1.002)	790845	25.0000	23.48
	61 Anthracene	178	14.973	14.987	(1.008)	833467	25.0000	23.88
	62 Carbazole	167	15.267	15.280	(1.027)	756153	25.0000	23.31
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	971559	25.0000	24.58
	64 Fluoranthene	202	16.827	16.835	(1.132)	886233	25.0000	24.30
	65 Pyrene	202	17.179	17.187	(0.897)	864054	25.0000	25.28
$	66 Terphenyl-d14	244	17.510	17.515	(0.914)	505765	25.0000	26.26
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	435577	25.0000	28.04
	68 Benzo(a)anthracene	228	19.134	19.147	(0.999)	837394	25.0000	26.09
*	69 Chrysene-d12	240	19.161	19.169	(1.000)	532343	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	267484	25.0000	25.65
	71 Chrysene	228	19.198	19.217	(1.002)	772165	25.0000	25.54
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	593672	25.0000	25.50
*	134 Di-n-octylphthalate-d4	153	20.346	20.354	(1.000)	719428	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	983658	25.0000	23.55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.784	20.803	(0.975)	881261	25.0000	24.38
75	Benzo(k)fluoranthene	252	20.816	20.840	(0.977)	927133	25.0000	23.20
187	Total Benzofluoranthenes	252	20.816	20.840	(0.977)	1705649	50.0000	47.25
76	Benzo(a)pyrene	252	21.228	21.246	(0.996)	829054	25.0000	24.06
* 77	Perylene-d12	264	21.308	21.316	(1.000)	517269	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.697	22.720	(1.065)	1104393	25.0000	24.30
79	Dibenzo(a,h)anthracene	278	22.723	22.747	(1.066)	862084	25.0000	24.62
80	Benzo(g,h,i)perylene	276	23.054	23.089	(1.082)	992366	25.0000	24.07
90	N-Nitrosodimethylamine	74	2.721	2.750	(0.358)	200935	25.0000	25.15
103	Pyridine	79	2.689	2.702	(0.354)	370004	25.0000	26.58
91	Aniline	93	7.154	7.157	(0.942)	455640	25.0000	24.46
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	469146	25.0000	23.55
93	Benzidine	184	17.099	17.107	(0.892)	265510	25.0000	23.42
111	Azobenzene (1,2-DP-Hydrazine)	77	13.654	13.667	(1.092)	570301	25.0000	24.01
143	1,4-Dioxane	88	2.149	2.168	(0.283)	130956	25.0000	24.94
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.277)	132537	25.0000	25.86
144	alpha-Terpineol	59	9.718	9.731	(1.008)	173991	25.0000	24.39
98	Retene	219	17.751	17.759	(0.926)	297518	25.0000	27.01
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	448163	25.0000	23.16
115	Tributyl Phosphate	99	13.734	13.763	(0.924)	674856	25.0000	23.95
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	473853	25.0000	25.33
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	155996	25.0000	26.75
118	Triphenyl Phosphate	326	18.723	18.731	(0.977)	156116	25.0000	27.93
123	Acetophenone	105	8.302	8.316	(1.094)	397677	25.0000	24.54
179	n-Decane	57	7.448	7.450	(0.981)	257349	25.0000	23.78
180	n-Octadecane	57	14.829	14.832	(0.998)	250246	25.0000	23.02
168	Pentachlorobenzene	250	12.853	12.866	(1.028)	219604	25.0000	24.46
113	Diphenyl Oxide	170	11.779	11.782	(0.942)	516503	25.0000	23.40
112	Biphenyl	154	11.582	11.590	(0.926)	598381	25.0000	23.73
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.048)	172859	25.0000	26.74
151	1,2,4,5-Tetrachlorobenzene	216	11.138	11.141	(0.891)	281398	25.0000	23.73
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	202210	50.0000	51.38
109	3,4,5-Trichloroguaiacol	213	13.205	13.219	(0.889)	100748	25.0000	25.48
181	3,4,6-Trichloroguaiacol	211	13.323	13.331	(1.755)	121741	25.0000	26.57
108	4,5,6-Trichloroguaiacol	213	14.242	14.250	(1.139)	102033	25.0000	26.01
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	106034	25.0000	26.14
107	4,5-Dichloroguaiacol	192	12.463	12.476	(0.997)	258682	50.0000	51.08
182	4,6-Dichloroguaiacol	192	12.463	12.476	(1.642)	258682	50.0000	51.40
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	67852	12.5000	13.18
186	Carbaryl	144	15.689	15.702	(1.056)	378522	25.0000	27.05
106	Guaiacol	124	8.575	8.588	(1.129)	270369	25.0000	23.80

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231001.D
Lab Smp Id: IC250723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC250723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	182786	0.00
27 Naphthalene-d8	584137	292068	1168274	584137	0.00
42 Acenaphthene-d10	320442	160221	640884	320442	0.00
59 Phenanthrene-d10	503793	251896	1007586	503793	0.00
69 Chrysene-d12	532343	266172	1064686	532343	0.00
134 Di-n-octylphthala	719428	359714	1438856	719428	0.00
77 Perylene-d12	517269	258634	1034538	517269	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	0.00
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

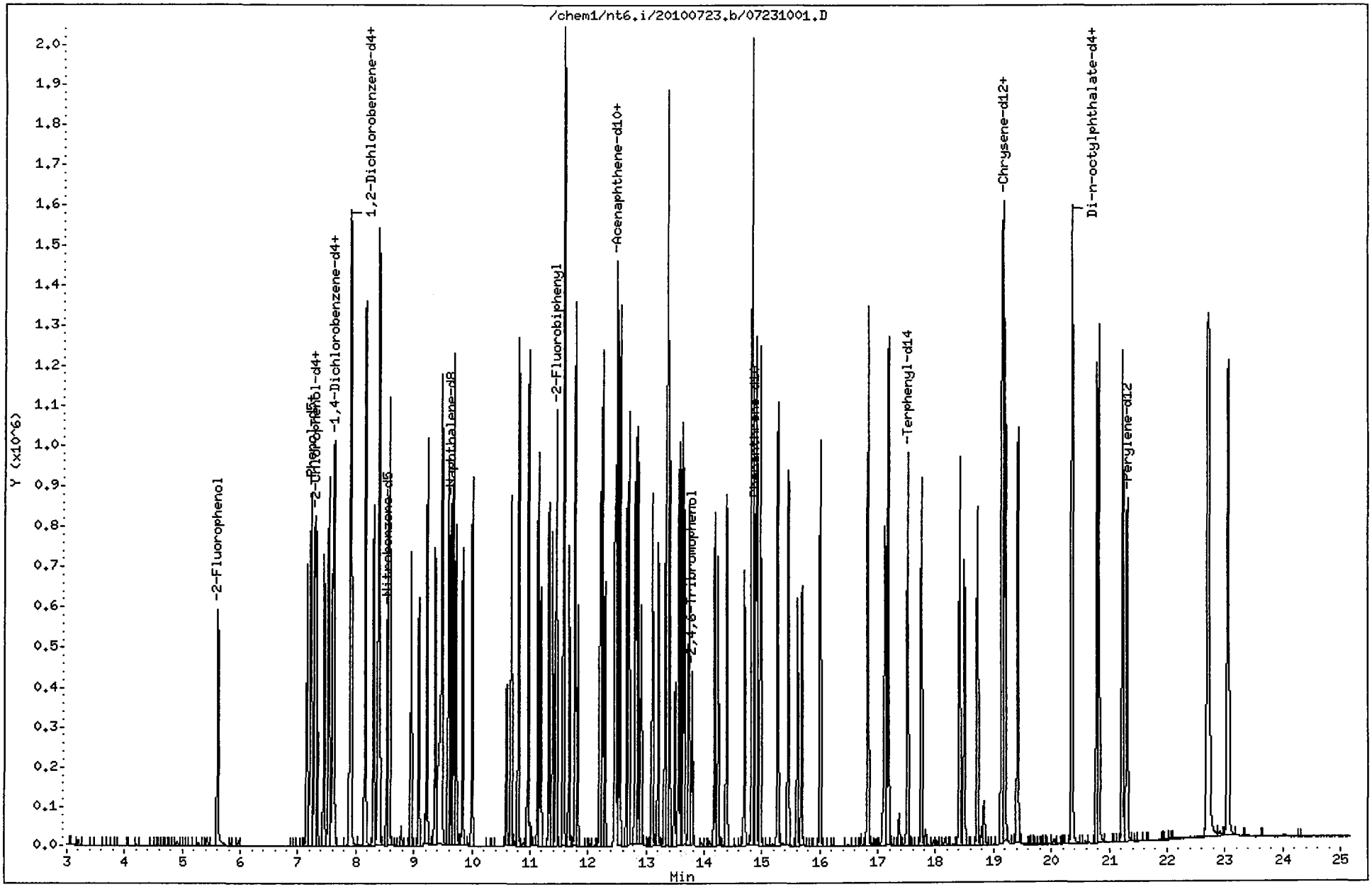
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231001.D
Date : 23-JUL-2010 15:01
Client ID: IC250723
Sample Info: IC250723

Instrument: nt6.i

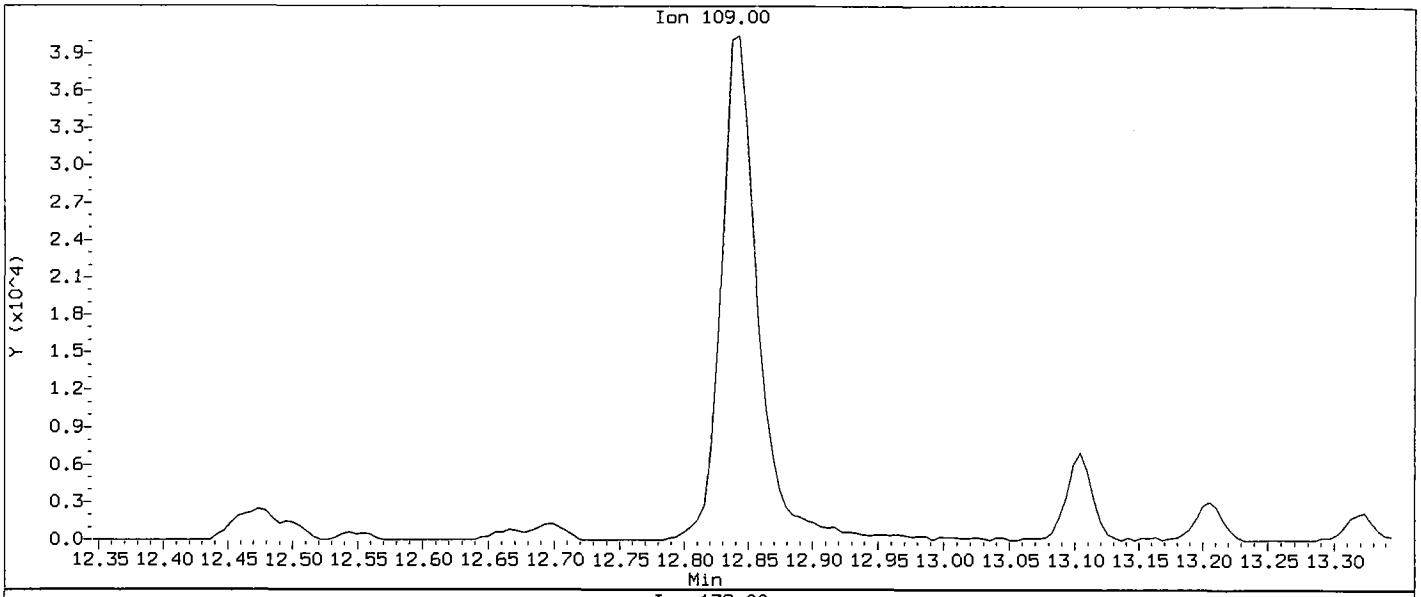
Operator: JZ
Column diameter: 0.32

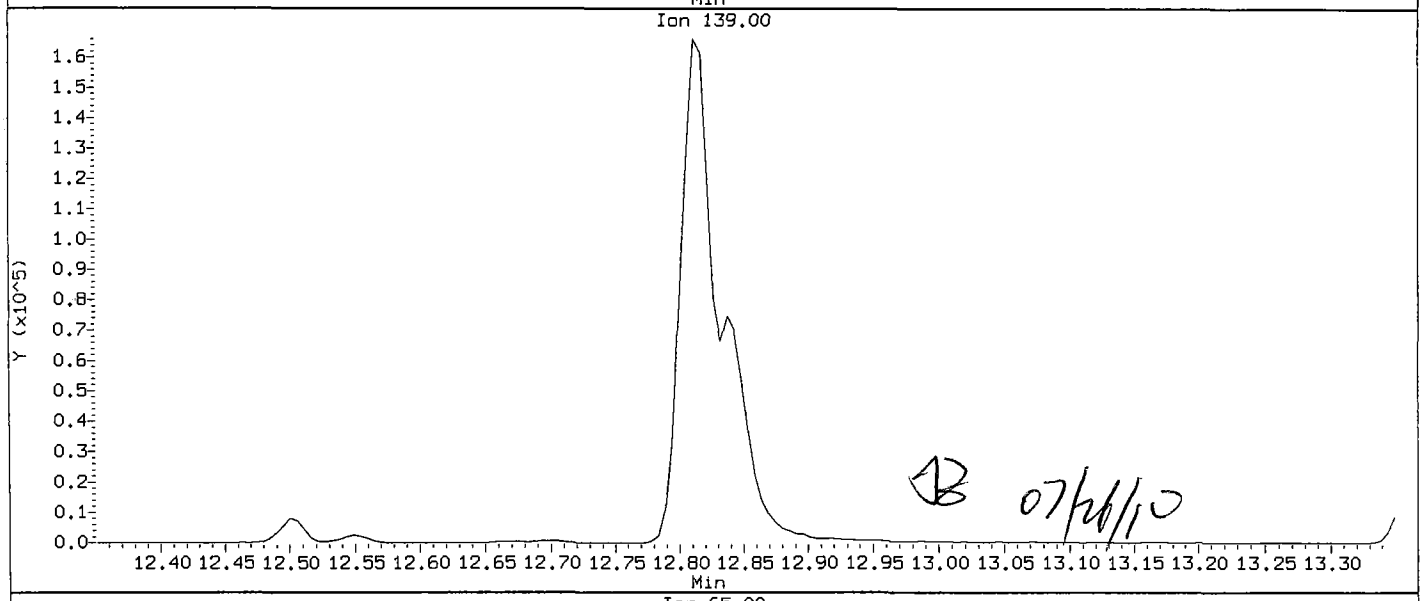
Column phase: ZB-5msi



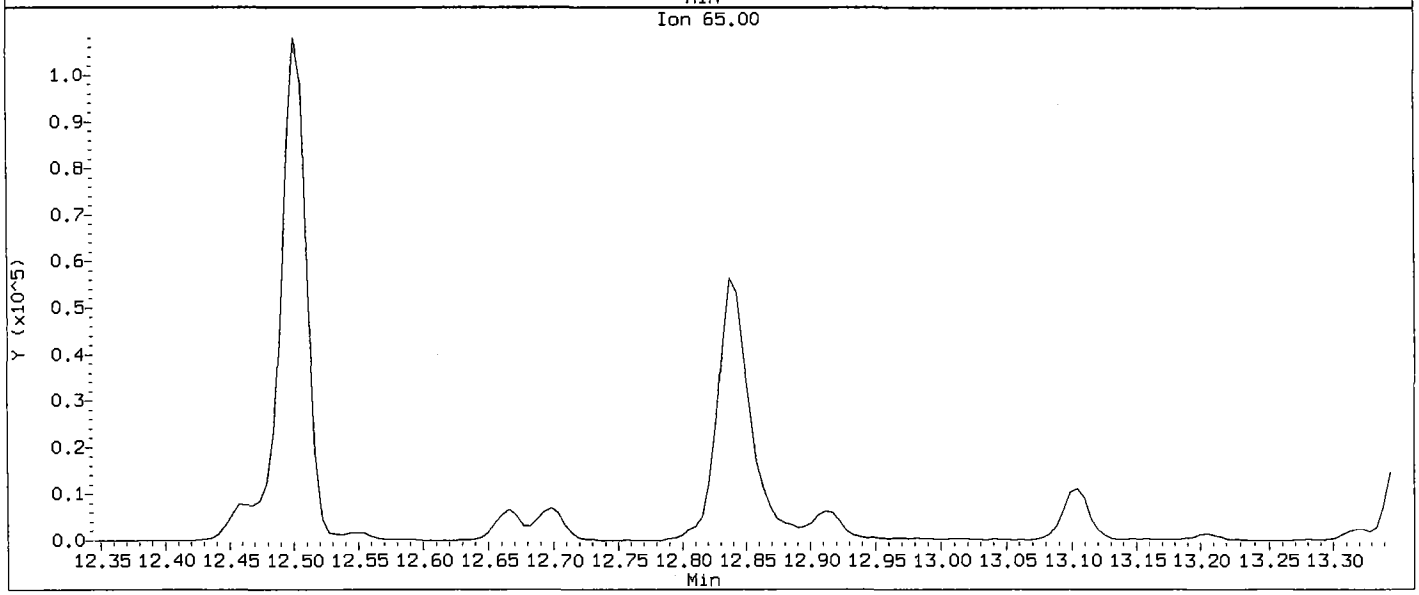
Data File: /chem1/nt6.i/20100723.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



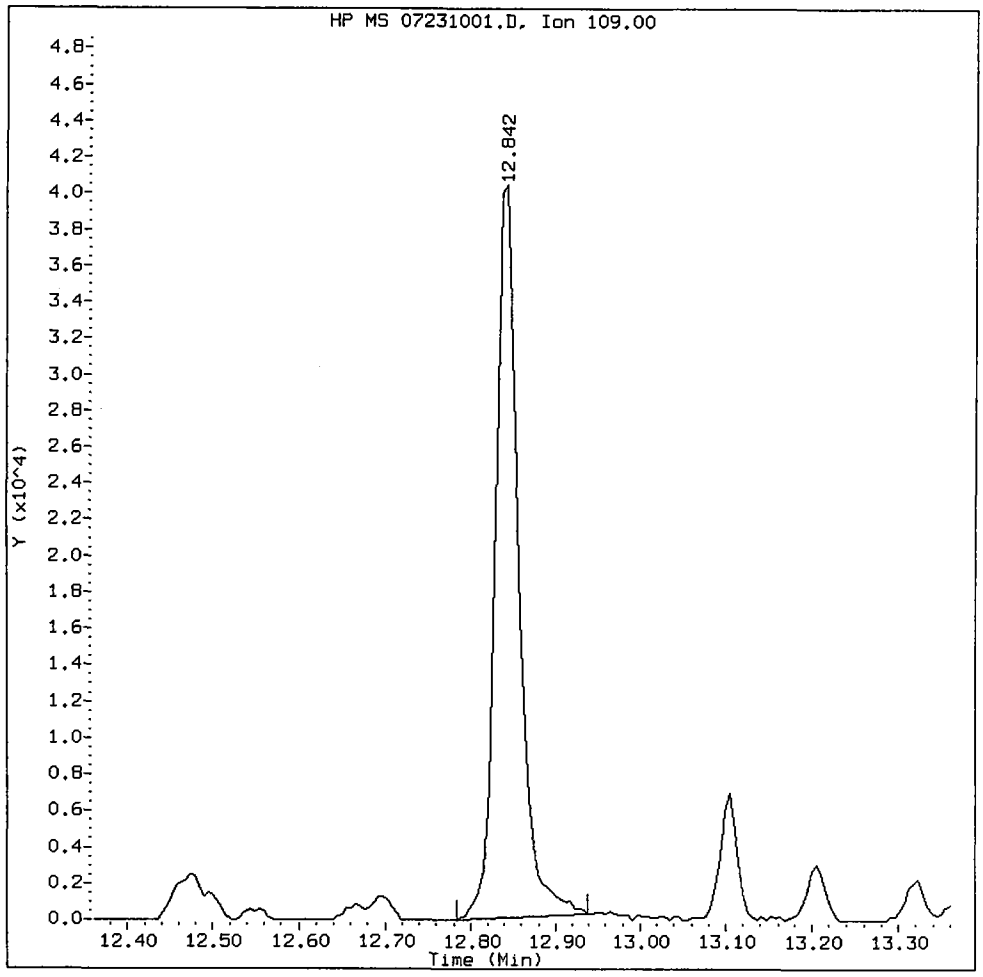


B 07/27/10



IC250723, /chem1/nt6.i/20100723.b/07231001.D

4-Nitrophenol Amount: 26.89 Area: 78303



MANUAL INTEGRATION for 4-Nitrophenol

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

5. Other _____

Analyst: AB Date: 07/16/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231005.D
Lab Smp Id: IC400723 Client Smp ID: IC400723
Inj Date : 23-JUL-2010 17:29
Operator : JZ Inst ID: nt6.i
Smp Info : IC400723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 17:29 Cal File: 07231005.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.605	5.610	(0.738)	478107	40.0000	39.70
$	2 Phenol-d5	99	7.213	7.218	(0.950)	523138	40.0000	37.21
	3 Phenol	94	7.229	7.237	(0.952)	573376	40.0000	35.94
$	5 2-Chlorophenol-d4	132	7.298	7.303	(0.961)	436515	40.0000	36.73
	4 Bis(2-Chloroethyl)ether	93	7.282	7.290	(0.959)	455918	40.0000	37.52
	6 2-Chlorophenol	128	7.320	7.327	(0.964)	498989	40.0000	36.31
	7 1,3-Dichlorobenzene	146	7.528	7.530	(0.992)	602247	40.0000	37.59
*	8 1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	179813	20.0000	
	9 1,4-Dichlorobenzene	146	7.619	7.621	(1.004)	597463	40.0000	38.22
$	10 1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	313019	40.0000	38.17
	12 1,2-Dichlorobenzene	146	7.913	7.915	(1.042)	541681	40.0000	37.00
	11 Benzyl alcohol	108	7.902	7.910	(1.041)	293342	40.0000	40.07
	14 2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	488359	40.0000	37.54
	13 2-Methylphenol	108	8.158	8.166	(1.075)	439877	40.0000	37.15
	17 Hexachloroethane	117	8.399	8.406	(1.106)	214765	40.0000	37.73
	16 N-Nitroso-di-n-propylamine	70	8.383	8.390	(1.104)	316516	40.0000	38.46
	15 4-Methylphenol	108	8.399	8.406	(1.106)	435625	40.0000	36.84
$	18 Nitrobenzene-d5	82	8.538	8.542	(0.885)	446362	40.0000	38.77
	19 Nitrobenzene	77	8.570	8.572	(0.888)	485333	40.0000	36.97
	20 Isophorone	82	8.954	8.967	(0.928)	791586	40.0000	38.38
	21 2-Nitrophenol	139	9.082	9.090	(0.941)	297585	40.0000	39.96
	22 2,4-Dimethylphenol	107	9.227	9.234	(0.956)	466959	40.0000	36.98
	23 Bis(2-Chloroethoxy)methane	93	9.365	9.373	(0.971)	547954	40.0000	38.22
	24 Benzoic acid	105	9.520	9.603	(0.987)	761553	80.0000	88.65
	25 2,4-Dichlorophenol	162	9.478	9.485	(0.982)	415729	40.0000	38.19
	26 1,2,4-Trichlorobenzene	180	9.595	9.597	(0.994)	456415	40.0000	37.79
*	27 Naphthalene-d8	136	9.649	9.651	(1.000)	584978	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.675	9.683	(1.003)	1270631	40.0000	36.12
	29 4-Chloroaniline	127	9.841	9.843	(1.020)	516764	40.0000	37.11
	30 Hexachlorobutadiene	225	10.006	10.009	(1.037)	268712	40.0000	38.89
	31 4-Chloro-3-methylphenol	107	10.674	10.682	(1.106)	406596	40.0000	38.67
	32 2-Methylnaphthalene	141	10.797	10.805	(1.119)	699508	40.0000	36.82
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	275445	40.0000	49.97
	34 2,4,6-Trichlorophenol	196	11.326	11.333	(0.906)	298271	40.0000	39.62
	35 2,4,5-Trichlorophenol	196	11.384	11.392	(0.911)	307523	40.0000	39.60
$	36 2-Fluorobiphenyl	172	11.454	11.453	(0.916)	849457	40.0000	36.06
	37 2-Chloronaphthalene	162	11.577	11.579	(0.926)	831977	40.0000	36.25
	38 2-Nitroaniline	65	11.828	11.835	(0.946)	221096	40.0000	40.57
	39 Dimethylphthalate	163	12.207	12.220	(0.976)	974193	40.0000	38.43
	40 Acenaphthylene	152	12.250	12.252	(0.980)	1297887	40.0000	36.13
	41 2,6-Dinitrotoluene	165	12.298	12.305	(0.984)	239593	40.0000	41.37
*	42 Acenaphthene-d10	164	12.501	12.503	(1.000)	327933	20.0000	
	43 3-Nitroaniline	138	12.506	12.519	(1.000)	203699	40.0000	37.22
	44 Acenaphthene	153	12.554	12.562	(1.004)	826657	40.0000	37.71
	45 2,4-Dinitrophenol	184	12.672	12.690	(1.014)	374074	80.0000	99.17
	46 Dibenzofuran	168	12.816	12.823	(1.025)	1085318	40.0000	37.16
	47 4-Nitrophenol	109	12.842	12.861	(1.027)	129026	40.0000	42.60
	48 2,4-Dinitrotoluene	165	12.917	12.930	(1.033)	315304	40.0000	42.37
	50 Diethylphthalate	149	13.366	13.368	(1.069)	853959	40.0000	36.04
	49 Fluorene	166	13.371	13.379	(1.070)	916824	40.0000	36.55
	51 4-Chlorophenyl-phenylether	204	13.409	13.411	(1.073)	470235	40.0000	39.20
	52 4-Nitroaniline	138	13.505	13.523	(1.080)	232223	40.0000	41.03
	53 4,6-Dinitro-2-methylphenol	198	13.574	13.593	(0.913)	427429	80.0000	83.76
	54 N-Nitrosodiphenylamine	169	13.617	13.630	(0.916)	701173	40.0000	37.56
$	55 2,4,6-Tribromophenol	330	13.793	13.798	(1.103)	126637	40.0000	43.05
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	311111	40.0000	39.90
	57 Hexachlorobenzene	284	14.391	14.399	(0.968)	320970	40.0000	38.86
	58 Pentachlorophenol	266	14.696	14.704	(0.988)	212167	40.0000	46.95
*	59 Phenanthrene-d10	188	14.867	14.869	(1.000)	525448	20.0000	
	60 Phenanthrene	178	14.904	14.912	(1.002)	1256713	40.0000	36.54
	61 Anthracene	178	14.974	14.987	(1.007)	1305609	40.0000	36.63
	62 Carbazole	167	15.273	15.280	(1.027)	1186045	40.0000	35.94
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	1500393	40.0000	37.06
	64 Fluoranthene	202	16.827	16.835	(1.132)	1385977	40.0000	37.10
	65 Pyrene	202	17.179	17.187	(0.896)	1346276	40.0000	36.18
$	66 Terphenyl-d14	244	17.516	17.515	(0.914)	801457	40.0000	37.83
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	691617	40.0000	39.94
	68 Benzo(a)anthracene	228	19.140	19.147	(0.999)	1310404	40.0000	37.25
*	69 Chrysene-d12	240	19.166	19.169	(1.000)	593530	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	420101	40.0000	36.85
	71 Chrysene	228	19.204	19.217	(1.002)	1223597	40.0000	36.98
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	938469	40.0000	39.60
*	134 Di-n-octylphthalate-d4	153	20.347	20.354	(1.000)	734023	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	1521034	40.0000	36.48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.790	20.803	(0.976)	1434589	40.0000	38.74
75	Benzo(k)fluoranthene	252	20.822	20.840	(0.977)	1367201	40.0000	34.31
187	Total Benzofluoranthenes	252	20.822	20.840	(0.977)	2643068	80.0000	72.56
76	Benzo(a)pyrene	252	21.233	21.246	(0.996)	1331524	40.0000	37.91
* 77	Perylene-d12	264	21.308	21.316	(1.000)	534102	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.707	22.720	(1.066)	1785536	40.0000	38.43
79	Dibenzo(a,h)anthracene	278	22.729	22.747	(1.067)	1387194	40.0000	38.69
80	Benzo(g,h,i)perylene	276	23.065	23.089	(1.082)	1604879	40.0000	38.14
90	N-Nitrosodimethylamine	74	2.732	2.750	(0.360)	310807	40.0000	39.63
103	Pyridine	79	2.694	2.702	(0.355)	579976	40.0000	41.86
91	Aniline	93	7.154	7.157	(0.942)	696532	40.0000	38.40
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	725171	40.0000	37.03
93	Benzidine	184	17.099	17.107	(0.892)	394646	40.0000	32.65
111	Azobenzene (1,2-DP-Hydrazine)	77	13.654	13.667	(1.092)	904684	40.0000	37.74
143	1,4-Dioxane	88	2.155	2.168	(0.284)	207666	40.0000	40.16
$ 137	d8-1,4-Dioxane	96	2.112	2.125	(0.278)	206960	40.0000	40.83
144	alpha-Terpineol	59	9.723	9.731	(1.008)	282130	40.0000	39.60
98	Retene	219	17.751	17.759	(0.926)	492059	40.0000	40.05
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	701480	40.0000	36.25
115	Tributyl Phosphate	99	13.745	13.763	(0.925)	1084412	40.0000	37.48
116	Dibutyl Phenyl Phosphate	175	15.454	15.457	(1.040)	777710	40.0000	39.89
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	253920	40.0000	39.24
118	Triphenyl Phosphate	326	18.723	18.731	(0.977)	259068	40.0000	41.25
123	Acetophenone	105	8.308	8.316	(1.094)	621273	40.0000	39.17
179	n-Decane	57	7.448	7.450	(0.981)	396980	40.0000	37.80
180	n-Octadecane	57	14.829	14.832	(0.997)	386562	40.0000	35.13
168	Pentachlorobenzene	250	12.858	12.866	(1.029)	361056	40.0000	39.43
113	Diphenyl Oxide	170	11.780	11.782	(0.942)	805094	40.0000	36.43
112	Biphenyl	154	11.582	11.590	(0.926)	911660	40.0000	36.39
120	2,3,4,6-Tetrachlorophenol	232	13.110	13.112	(1.049)	292380	40.0000	43.28
151	1,2,4,5-Tetrachlorobenzene	216	11.139	11.141	(0.891)	455577	40.0000	38.01
110	Tetrachloroguaiacol	247	14.829	14.842	(0.997)	326377	80.0000	79.63
109	3,4,5-Trichloroguaiacol	213	13.211	13.219	(0.889)	165311	40.0000	40.07
181	3,4,6-Trichloroguaiacol	211	13.323	13.331	(1.755)	199643	40.0000	43.13
108	4,5,6-Trichloroguaiacol	213	14.242	14.250	(1.139)	167783	40.0000	41.33
184	3,4-Dichloroguaiacol	192	11.673	11.675	(1.537)	174240	40.0000	42.69
107	4,5-Dichloroguaiacol	192	12.469	12.476	(0.997)	416165	80.0000	80.22
182	4,6-Dichloroguaiacol	192	12.469	12.476	(1.642)	416165	80.0000	83.01
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	107719	20.0000	20.93
186	Carbaryl	144	15.689	15.702	(1.055)	632465	40.0000	42.62
106	Guaiacol	124	8.580	8.588	(1.130)	427217	40.0000	38.56

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231005.D
Lab Smp Id: IC400723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC400723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	179813	-1.63
27 Naphthalene-d8	584137	292068	1168274	584978	0.14
42 Acenaphthene-d10	320442	160221	640884	327933	2.34
59 Phenanthrene-d10	503793	251896	1007586	525448	4.30
69 Chrysene-d12	532343	266172	1064686	593530	11.49
134 Di-n-octylphthala	719428	359714	1438856	734023	2.03
77 Perylene-d12	517269	258634	1034538	534102	3.25

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.06
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.04
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

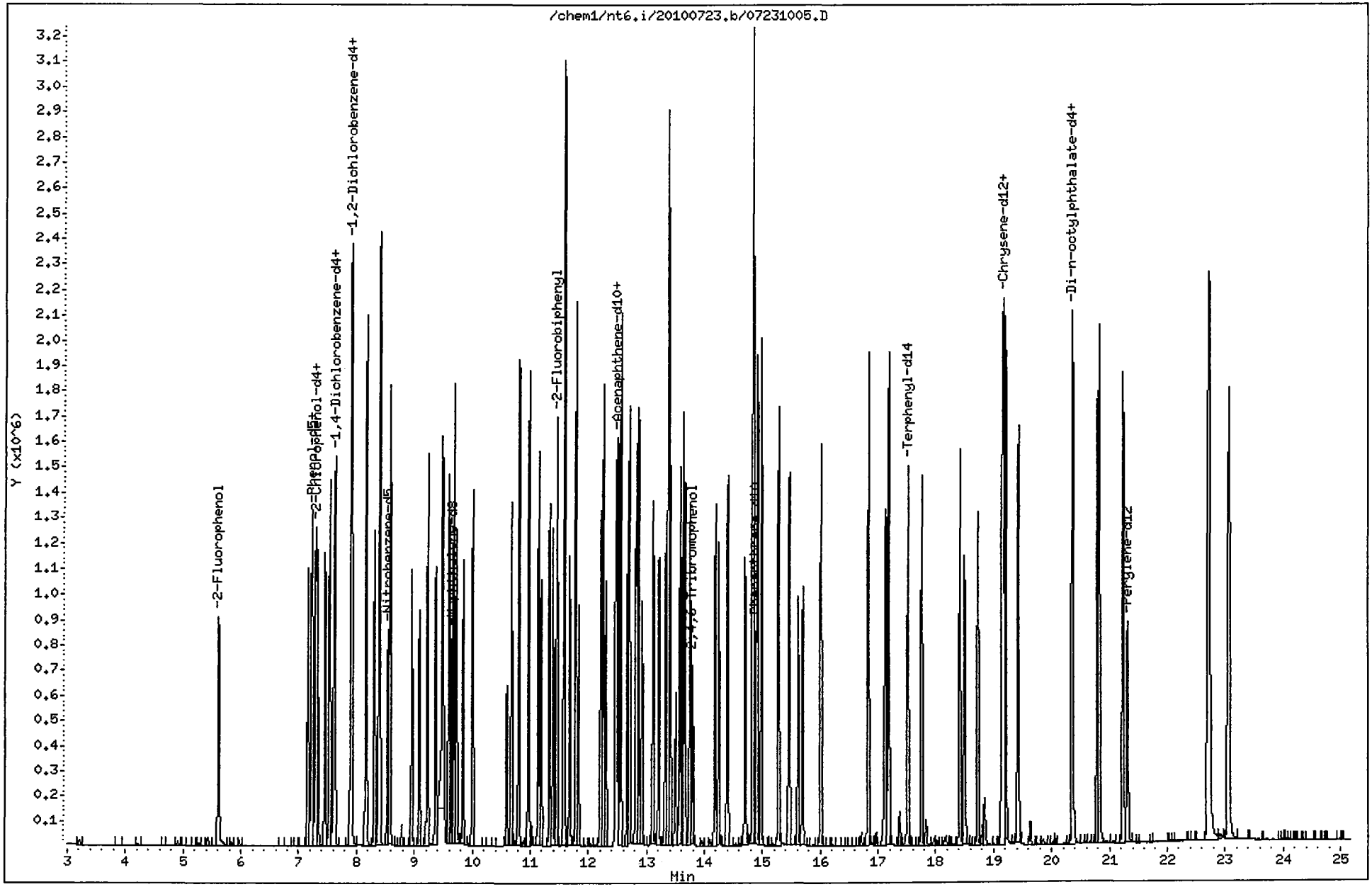
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231005.D
Date : 23-JUL-2010 17:29
Client ID: IC400723
Sample Info: IC400723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231006.D
Lab Smp Id: IC600723 Client Smp ID: IC600723
Inj Date : 23-JUL-2010 18:01
Operator : JZ Inst ID: nt6.i
Smp Info : IC600723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:01 Cal File: 07231006.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.610	5.610	(0.738)	707424	60.0000	57.57
$	2 Phenol-d5	99	7.218	7.218	(0.950)	771071	60.0000	54.33
	3 Phenol	94	7.239	7.237	(0.953)	847974	60.0000	52.90
$	5 2-Chlorophenol-d4	132	7.303	7.303	(0.961)	648248	60.0000	54.08
	4 Bis(2-Chloroethyl)ether	93	7.287	7.290	(0.959)	659456	60.0000	53.84
	6 2-Chlorophenol	128	7.325	7.327	(0.964)	749255	60.0000	54.06
	7 1,3-Dichlorobenzene	146	7.533	7.530	(0.992)	878759	60.0000	54.34
*	8 1,4-Dichlorobenzene-d4	152	7.597	7.595	(1.000)	184946	20.0000	
	9 1,4-Dichlorobenzene	146	7.624	7.621	(1.004)	868746	60.0000	54.94
$	10 1,2-Dichlorobenzene-d4	152	7.896	7.896	(1.039)	463869	60.0000	55.77
	12 1,2-Dichlorobenzene	146	7.918	7.915	(1.042)	777966	60.0000	52.89
	11 Benzyl alcohol	108	7.907	7.910	(1.041)	432282	60.0000	57.83
	14 2,2'-oxybis(1-Chloropropane)	45	8.163	8.161	(1.075)	708425	60.0000	54.01
	13 2-Methylphenol	108	8.163	8.166	(1.075)	658836	60.0000	55.00
	17 Hexachloroethane	117	8.404	8.406	(1.106)	308477	60.0000	53.78
	16 N-Nitroso-di-n-propylamine	70	8.388	8.390	(1.104)	454211	60.0000	54.62
	15 4-Methylphenol	108	8.404	8.406	(1.106)	631240	60.0000	53.10
$	18 Nitrobenzene-d5	82	8.542	8.542	(0.885)	662173	60.0000	56.11
	19 Nitrobenzene	77	8.574	8.572	(0.889)	697353	60.0000	52.44
	20 Isophorone	82	8.959	8.967	(0.929)	1168591	60.0000	55.40
	21 2-Nitrophenol	139	9.087	9.090	(0.942)	458514	60.0000	59.41
	22 2,4-Dimethylphenol	107	9.231	9.234	(0.957)	699441	60.0000	54.35
	23 Bis(2-Chloroethoxy)methane	93	9.370	9.373	(0.971)	803647	60.0000	54.90
	24 Benzoic acid	105	9.568	9.603	(0.992)	1222479	120.000	133.3(M)
	25 2,4-Dichlorophenol	162	9.482	9.485	(0.983)	639889	60.0000	57.14
	26 1,2,4-Trichlorobenzene	180	9.595	9.597	(0.994)	663284	60.0000	53.96
*	27 Naphthalene-d8	136	9.648	9.651	(1.000)	607475	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.680	9.683	(1.003)	1781924	60.0000	50.35
	29 4-Chloroaniline	127	9.840	9.843	(1.020)	734328	60.0000	52.12
	30 Hexachlorobutadiene	225	10.006	10.009	(1.037)	405523	60.0000	57.07
	31 4-Chloro-3-methylphenol	107	10.679	10.682	(1.107)	612255	60.0000	56.70
	32 2-Methylnaphthalene	141	10.802	10.805	(1.120)	1018025	60.0000	52.84
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	425348	60.0000	71.46
	34 2,4,6-Trichlorophenol	196	11.330	11.333	(0.906)	465479	60.0000	59.61
	35 2,4,5-Trichlorophenol	196	11.389	11.392	(0.911)	483158	60.0000	59.92
$	36 2-Fluorobiphenyl	172	11.453	11.453	(0.916)	1244640	60.0000	52.20
	37 2-Chloronaphthalene	162	11.576	11.579	(0.926)	1199578	60.0000	51.72
	38 2-Nitroaniline	65	11.832	11.835	(0.947)	335276	60.0000	59.36
	39 Dimethylphthalate	163	12.217	12.220	(0.977)	1436593	60.0000	55.40
	40 Acenaphthylene	152	12.249	12.252	(0.980)	1817418	60.0000	50.29
	41 2,6-Dinitrotoluene	165	12.303	12.305	(0.984)	371177	60.0000	61.42
*	42 Acenaphthene-d10	164	12.500	12.503	(1.000)	340603	20.0000	
	43 3-Nitroaniline	138	12.516	12.519	(1.001)	274842	60.0000	49.96
	44 Acenaphthene	153	12.559	12.562	(1.005)	1199130	60.0000	53.76
	45 2,4-Dinitrophenol	184	12.682	12.690	(1.015)	605790	120.000	146.2
	46 Dibenzofuran	168	12.821	12.823	(1.026)	1586285	60.0000	53.43
	47 4-Nitrophenol	109	12.853	12.861	(1.028)	193631	60.0000	61.29(M)
	48 2,4-Dinitrotoluene	165	12.927	12.930	(1.034)	481845	60.0000	61.94
	50 Diethylphthalate	149	13.371	13.368	(1.070)	1322312	60.0000	54.69
	49 Fluorene	166	13.376	13.379	(1.070)	1324287	60.0000	52.16
	51 4-Chlorophenyl-phenylether	204	13.408	13.411	(1.073)	706929	60.0000	57.25
	52 4-Nitroaniline	138	13.515	13.523	(1.081)	357914	60.0000	60.74
	53 4,6-Dinitro-2-methylphenol	198	13.584	13.593	(0.914)	680240	120.000	126.2
	54 N-Nitrosodiphenylamine	169	13.622	13.630	(0.916)	1042005	60.0000	54.50
$	55 2,4,6-Tribromophenol	330	13.798	13.798	(1.104)	200710	60.0000	64.67
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	469752	60.0000	58.12
	57 Hexachlorobenzene	284	14.391	14.399	(0.968)	487833	60.0000	57.16
	58 Pentachlorophenol	266	14.701	14.704	(0.989)	343904	60.0000	70.42
*	59 Phenanthrene-d10	188	14.866	14.869	(1.000)	548107	20.0000	
	60 Phenanthrene	178	14.909	14.912	(1.003)	1811434	60.0000	51.86
	61 Anthracene	178	14.978	14.987	(1.008)	1861671	60.0000	51.49
	62 Carbazole	167	15.272	15.280	(1.027)	1724877	60.0000	51.52
	63 Di-n-butylphthalate	149	16.009	16.012	(1.077)	2137856	60.0000	51.97
	64 Fluoranthene	202	16.832	16.835	(1.132)	1967573	60.0000	51.86
	65 Pyrene	202	17.184	17.187	(0.897)	1926828	60.0000	54.12
$	66 Terphenyl-d14	244	17.515	17.515	(0.914)	1184437	60.0000	57.75
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	1016920	60.0000	60.17
	68 Benzo(a)anthracene	228	19.144	19.147	(0.999)	1907368	60.0000	56.27
*	69 Chrysene-d12	240	19.166	19.169	(1.000)	578965	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	614208	60.0000	55.97
	71 Chrysene	228	19.209	19.217	(1.002)	1763657	60.0000	55.47
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	1365056	60.0000	57.33
*	134 Di-n-octylphthalate-d4	153	20.346	20.354	(1.000)	744081	20.0000	
	73 Di-n-octylphthalate	149	20.362	20.360	(1.001)	2171789	60.0000	52.64

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.795	20.803	(0.976)	2108839	60.0000	54.16
75	Benzo(k)fluoranthene	252	20.832	20.840	(0.978)	1999749	60.0000	48.59
187	Total Benzofluoranthenes	252	20.832	20.840	(0.978)	3887015	120.000	102.4
76	Benzo(a)pyrene	252	21.238	21.246	(0.997)	1975913	60.0000	53.59
* 77	Perylene-d12	264	21.308	21.316	(1.000)	572566	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.712	22.720	(1.066)	2716552	60.0000	55.38
79	Dibenzo(a,h)anthracene	278	22.739	22.747	(1.067)	2095539	60.0000	55.36
80	Benzo(g,h,i)perylene	276	23.075	23.089	(1.083)	2430911	60.0000	54.82
90	N-Nitrosodimethylamine	74	2.742	2.750	(0.361)	461166	60.0000	57.63
103	Pyridine	79	2.705	2.702	(0.356)	860099	60.0000	60.30
91	Aniline	93	7.159	7.157	(0.942)	1005247	60.0000	54.81
105	1-methylnaphthalene	141	10.973	10.975	(1.137)	1058350	60.0000	53.22
93	Benzidine	184	17.104	17.107	(0.892)	575385	60.0000	50.37
111	Azobenzene (1,2-DP-Hydrazine)	77	13.659	13.667	(1.093)	1300956	60.0000	53.40
143	1,4-Dioxane	88	2.165	2.168	(0.285)	310488	60.0000	58.64
$ 137	d8-1,4-Dioxane	96	2.122	2.125	(0.279)	315891	60.0000	60.49
144	alpha-Terpineol	59	9.728	9.731	(1.008)	427485	60.0000	58.13
98	Retene	219	17.756	17.759	(0.926)	752823	60.0000	62.33
133	Butylatedhydroxytoluene	205	12.703	12.706	(1.016)	1051020	60.0000	53.44
115	Tributyl Phosphate	99	13.755	13.763	(0.925)	1619252	60.0000	54.62
116	Dibutyl Phenyl Phosphate	175	15.454	15.457	(1.040)	1173813	60.0000	58.09
117	Butyl Diphenyl Phosphate	94	17.131	17.134	(0.894)	389020	60.0000	61.35
118	Triphenyl Phosphate	326	18.722	18.731	(0.977)	410539	60.0000	65.73
123	Acetophenone	105	8.313	8.316	(1.094)	917180	60.0000	56.82
179	n-Decane	57	7.453	7.450	(0.981)	581639	60.0000	54.78
180	n-Octadecane	57	14.829	14.832	(0.997)	552713	60.0000	49.79
168	Pentachlorobenzene	250	12.863	12.866	(1.029)	542976	60.0000	57.56
113	Diphenyl Oxide	170	11.779	11.782	(0.942)	1187278	60.0000	52.95
112	Biphenyl	154	11.587	11.590	(0.927)	1302449	60.0000	51.77
120	2,3,4,6-Tetrachlorophenol	232	13.109	13.112	(1.049)	464221	60.0000	65.05
151	1,2,4,5-Tetrachlorobenzene	216	11.138	11.141	(0.891)	701362	60.0000	56.91
110	Tetrachloroguaiacol	247	14.834	14.842	(0.998)	504715	120.000	118.4
109	3,4,5-Trichloroguaiacol	213	13.210	13.219	(0.889)	260835	60.0000	60.48
181	3,4,6-Trichloroguaiacol	211	13.328	13.331	(1.754)	313950	60.0000	64.67
108	4,5,6-Trichloroguaiacol	213	14.247	14.250	(1.140)	264245	60.0000	62.12
184	3,4-Dichloroguaiacol	192	11.672	11.675	(1.536)	272767	60.0000	63.91
107	4,5-Dichloroguaiacol	192	12.468	12.476	(0.997)	650083	120.000	120.5
182	4,6-Dichloroguaiacol	192	12.468	12.476	(1.641)	650734	120.000	124.9
185	4-Chloroguaiacol	115	10.593	10.596	(1.394)	167281	30.0000	31.27
186	Carbaryl	144	15.694	15.702	(1.056)	932958	60.0000	60.23
106	Guaiacol	124	8.585	8.588	(1.130)	647516	60.0000	57.33

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231006.D
Lab Smp Id: IC600723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC600723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	184946	1.18
27 Naphthalene-d8	584137	292068	1168274	607475	4.00
42 Acenaphthene-d10	320442	160221	640884	340603	6.29
59 Phenanthrene-d10	503793	251896	1007586	548107	8.80
69 Chrysene-d12	532343	266172	1064686	578965	8.76
134 Di-n-octylphthala	719428	359714	1438856	744081	3.43
77 Perylene-d12	517269	258634	1034538	572566	10.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.60	0.07
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.05
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.03
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

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

Data File: /chem1/nt6.i/20100723.b/07231006.D

Date : 23-JUL-2010 18:01

Client ID: IC600723

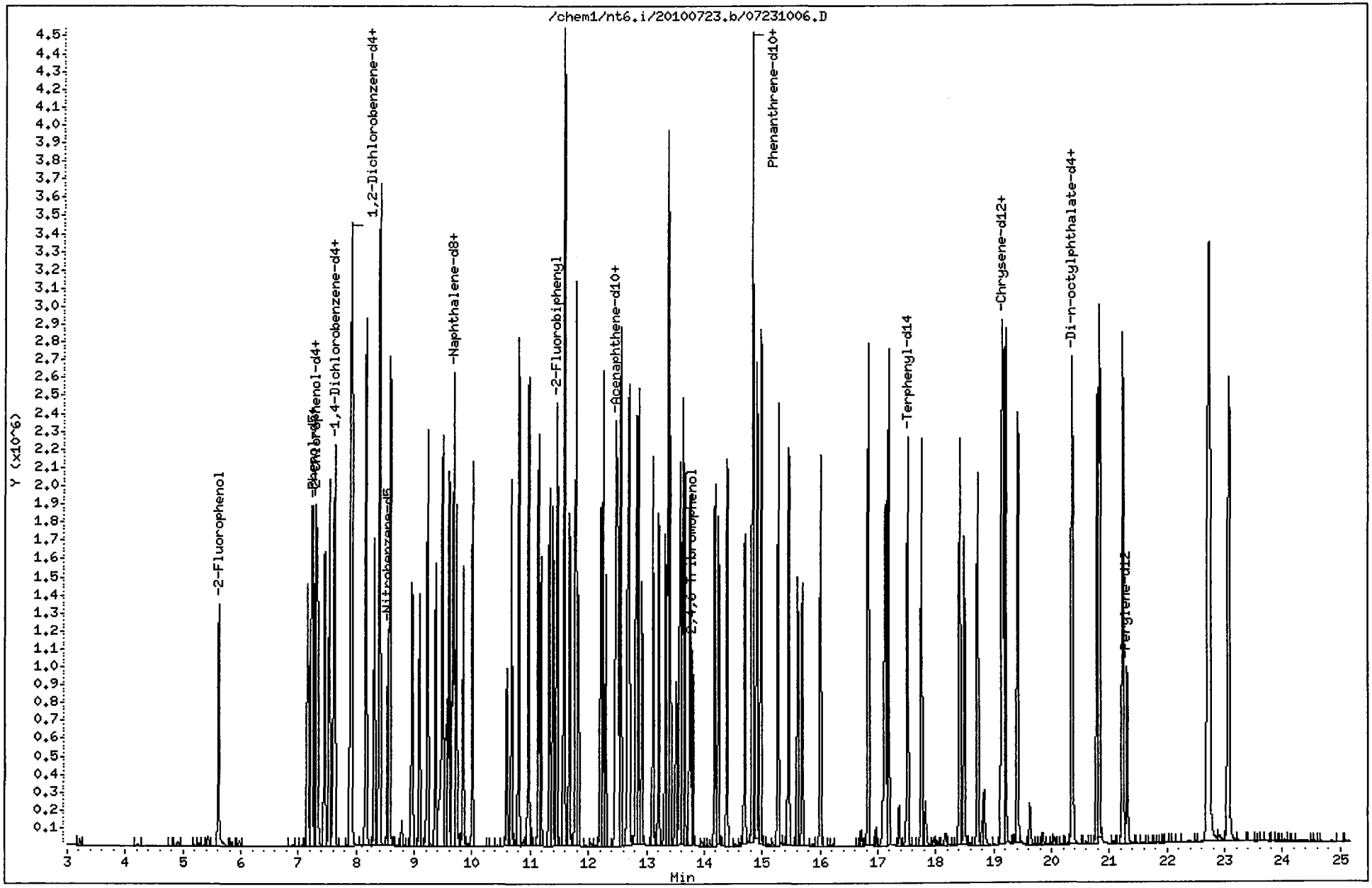
Sample Info: IC600723,

Column phase: ZB-5msi

Instrument: nt6.i

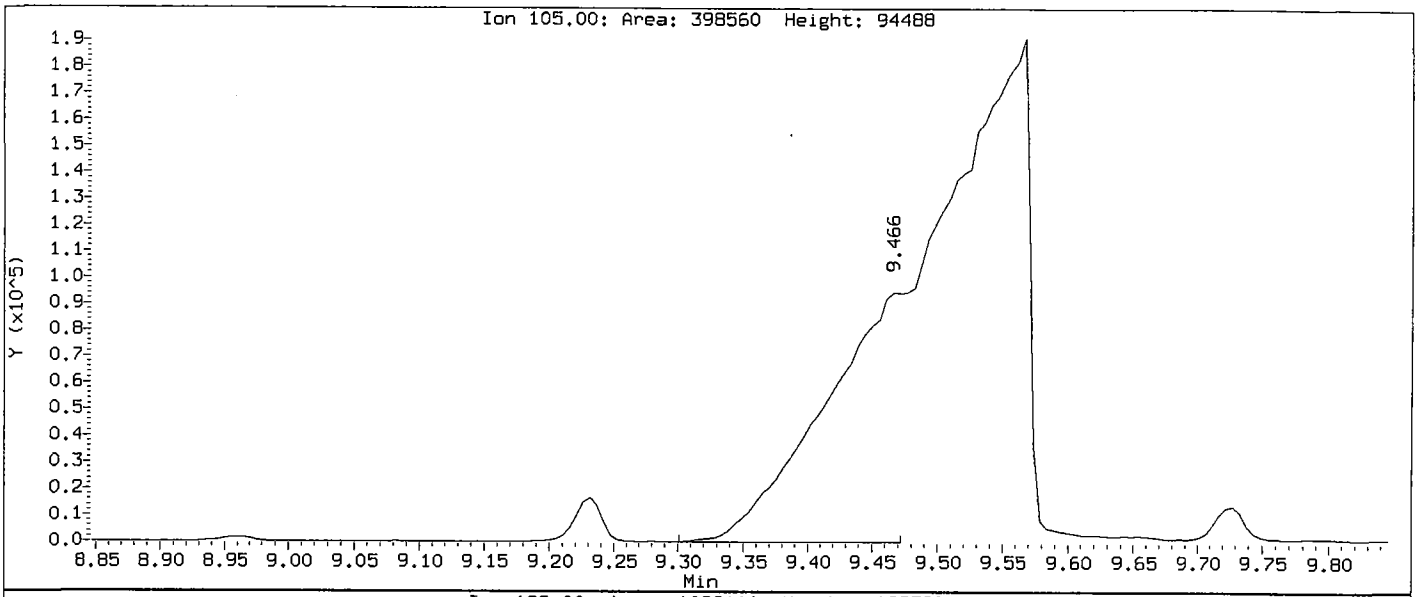
Operator: JZ

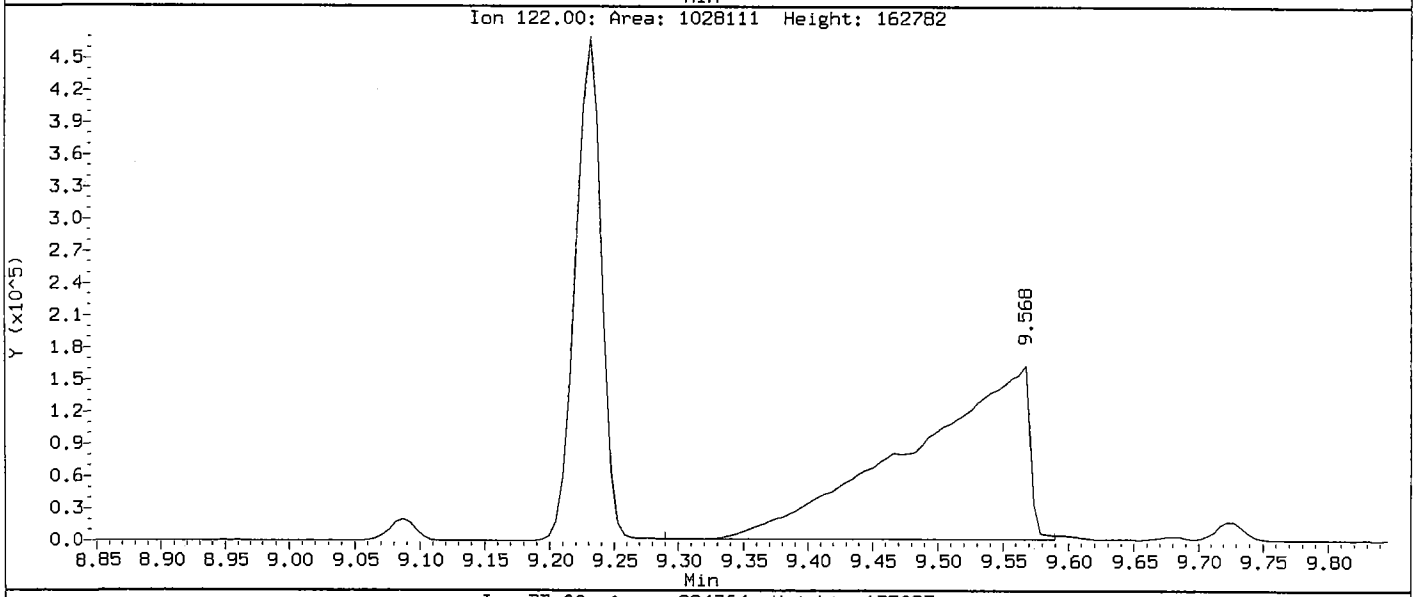
Column diameter: 0.32

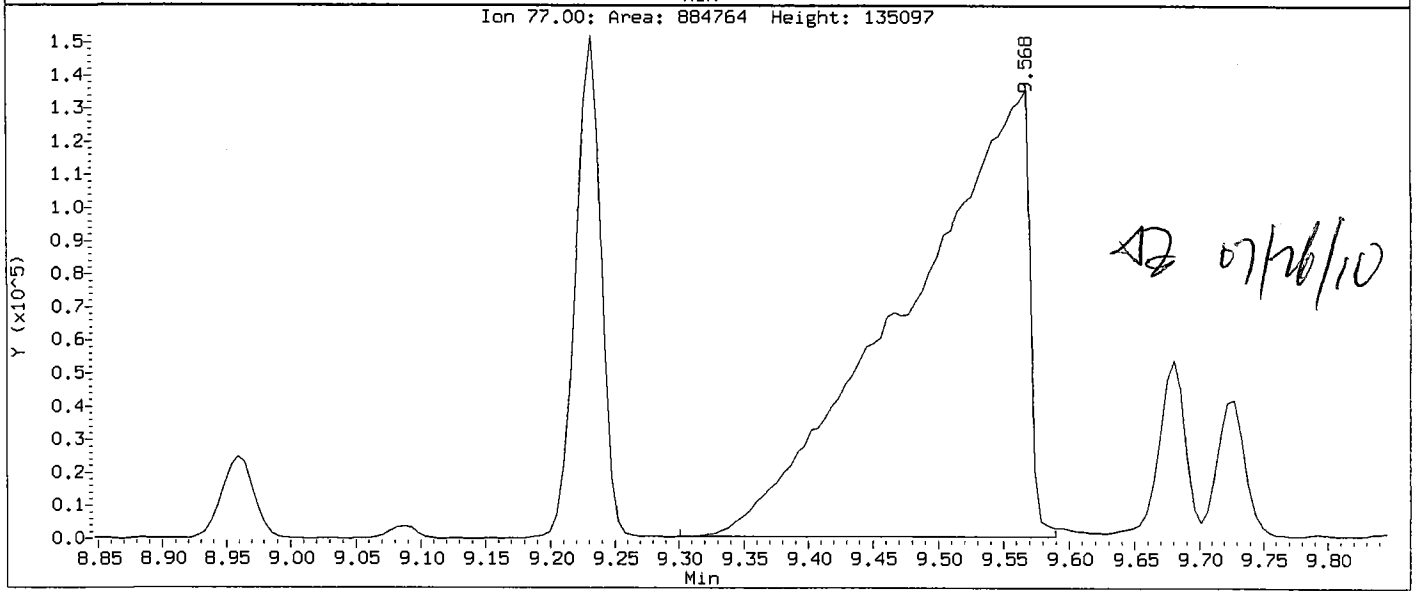


Data File: /chem1/nt6.i/20100723.b/07231006.D
Injection Date: 23-JUL-2010 18:01
Instrument: nt6.i
Client Sample ID: IC600723

Compound: Benzoic acid
CAS Number: 65-85-0



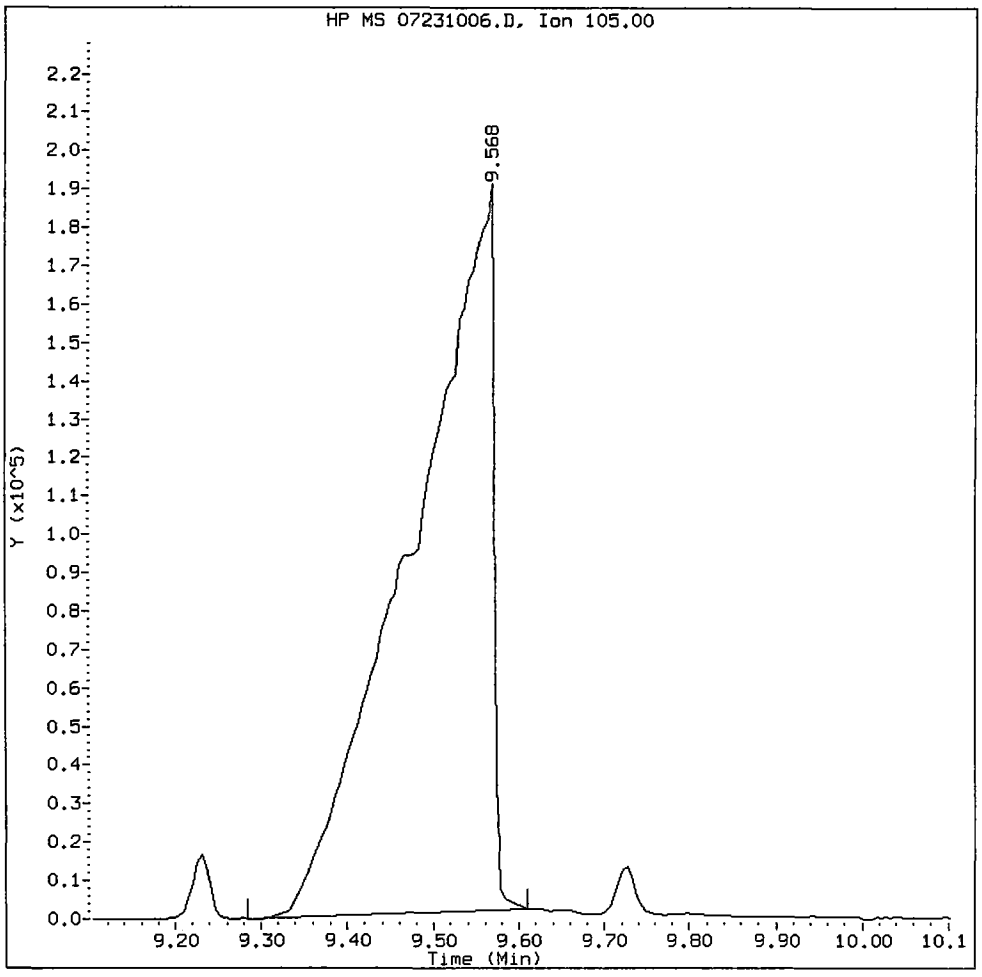




AD 07/26/10

IC600723, /chem1/nt6.i/20100723.b/07231006.D

Benzoic acid Amount: 133.25 Area: 1222479



MANUAL INTEGRATION for Benzoic acid

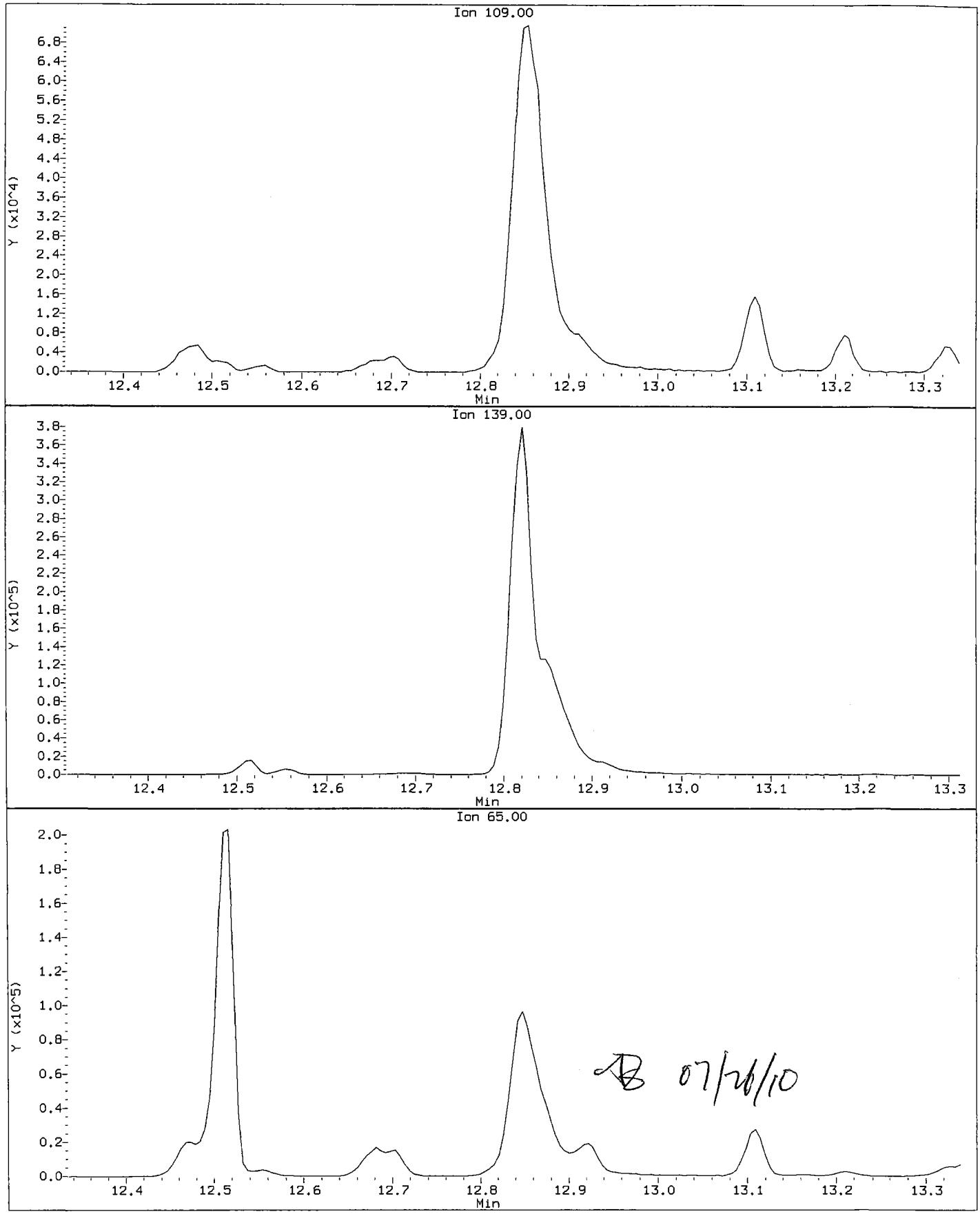
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231006.D
Injection Date: 23-JUL-2010 18:01
Instrument: nt6.i
Client Sample ID: IC600723

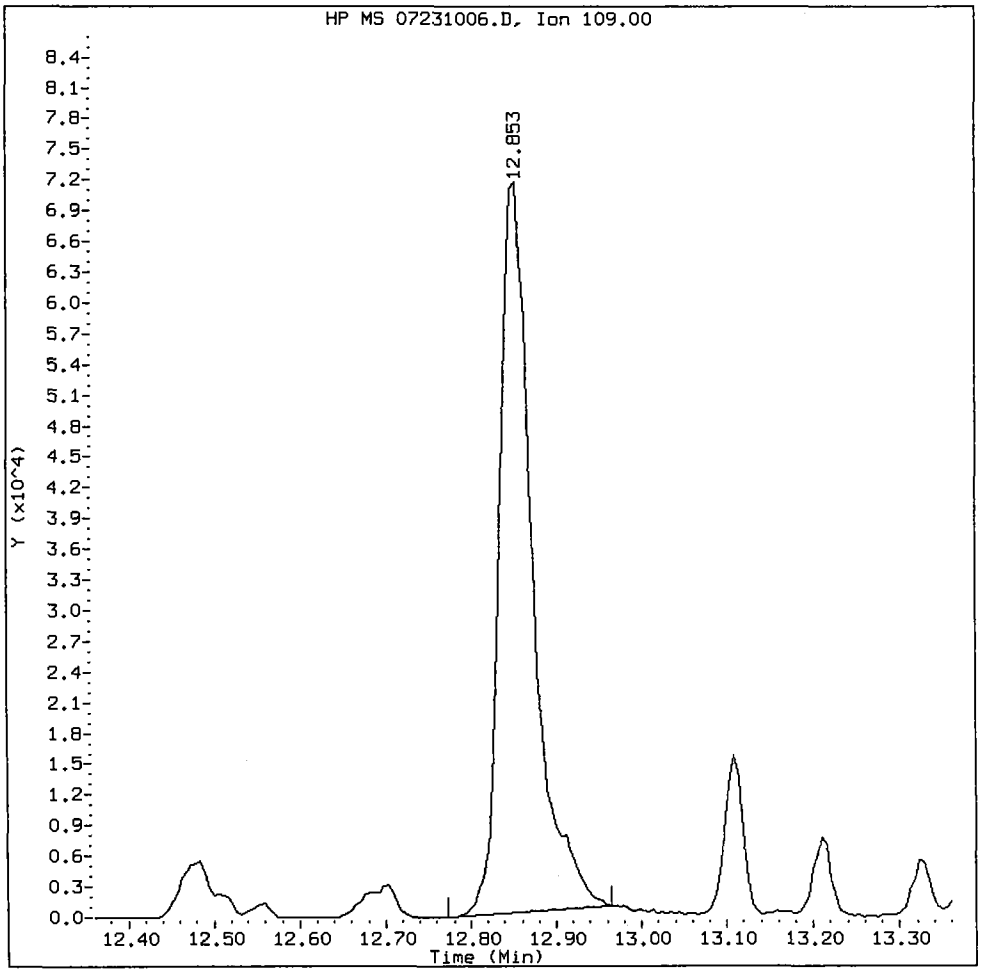
Compound: 4-Nitrophenol
CAS Number: 100-02-7



AB 07/26/10

IC600723, /chem1/nt6.i/20100723.b/07231006.D

4-Nitrophenol Amount: 61.29 Area: 193631



MANUAL INTEGRATION for 4-Nitrophenol

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

5. Other _____

Analyst: _____ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231007.D
Lab Smp Id: IC800723 Client Smp ID: IC800723
Inj Date : 23-JUL-2010 18:38
Operator : JZ Inst ID: nt6.i
Smp Info : IC800723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	7.237	7.237	(0.953)	1126724	80.0000	71.82
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	7.290	7.290	(0.960)	883307	80.0000	73.45
6	2-Chlorophenol	128	7.327	7.327	(0.965)	974470	80.0000	71.84
7	1,3-Dichlorobenzene	146	7.530	7.530	(0.992)	1122451	80.0000	71.04
* 8	1,4-Dichlorobenzene-d4	152	7.595	7.595	(1.000)	184081	20.0000	
9	1,4-Dichlorobenzene	146	7.621	7.621	(1.004)	1114001	80.0000	71.96
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	7.915	7.915	(1.042)	1033272	80.0000	71.78
11	Benzyl alcohol	108	7.910	7.910	(1.041)	587828	80.0000	79.15
14	2,2'-oxybis(1-Chloropropane)	45	8.161	8.161	(1.075)	914751	80.0000	71.33
13	2-Methylphenol	108	8.166	8.166	(1.075)	828388	80.0000	70.81
17	Hexachloroethane	117	8.406	8.406	(1.107)	391434	80.0000	70.00
16	N-Nitroso-di-n-propylamine	70	8.390	8.390	(1.105)	582100	80.0000	71.57
15	4-Methylphenol	108	8.406	8.406	(1.107)	788189	80.0000	68.24
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	8.572	8.572	(0.888)	938257	80.0000	72.12
20	Isophorone	82	8.967	8.967	(0.929)	1534357	80.0000	74.06
21	2-Nitrophenol	139	9.090	9.090	(0.942)	590820	80.0000	77.40
22	2,4-Dimethylphenol	107	9.234	9.234	(0.957)	891173	80.0000	70.95
23	Bis(2-Chloroethoxy)methane	93	9.373	9.373	(0.971)	1052582	80.0000	73.32
24	Benzoic acid	105	9.603	9.603	(0.995)	1615248	160.000	174.0(M)
25	2,4-Dichlorophenol	162	9.485	9.485	(0.983)	813900	80.0000	74.01
26	1,2,4-Trichlorobenzene	180	9.597	9.597	(0.994)	860458	80.0000	71.62
* 27	Naphthalene-d8	136	9.651	9.651	(1.000)	604045	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	9.683	9.683	(1.003)	2226345	80.0000	65.21
	29 4-Chloroaniline	127	9.843	9.843	(1.020)	933966	80.0000	68.29
	30 Hexachlorobutadiene	225	10.009	10.009	(1.037)	531907	80.0000	75.92
	31 4-Chloro-3-methylphenol	107	10.682	10.682	(1.107)	783143	80.0000	73.86
	32 2-Methylnaphthalene	141	10.805	10.805	(1.120)	1296353	80.0000	69.19
	33 Hexachlorocyclopentadiene	237	11.184	11.184	(0.894)	562487	80.0000	92.87
	34 2,4,6-Trichlorophenol	196	11.333	11.333	(0.906)	612923	80.0000	79.37
	35 2,4,5-Trichlorophenol	196	11.392	11.392	(0.911)	629388	80.0000	78.99
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	11.579	11.579	(0.926)	1529762	80.0000	68.24
	38 2-Nitroaniline	65	11.835	11.835	(0.947)	440827	80.0000	78.99
	39 Dimethylphthalate	163	12.220	12.220	(0.977)	1852039	80.0000	73.16
	40 Acenaphthylene	152	12.252	12.252	(0.980)	2262161	80.0000	65.17
	41 2,6-Dinitrotoluene	165	12.305	12.305	(0.984)	495961	80.0000	82.45
*	42 Acenaphthene-d10	164	12.503	12.503	(1.000)	337280	20.0000	
	43 3-Nitroaniline	138	12.519	12.519	(1.001)	332728	80.0000	63.22
	44 Acenaphthene	153	12.562	12.562	(1.005)	1537831	80.0000	70.94
	45 2,4-Dinitrophenol	184	12.690	12.690	(1.015)	800753	160.000	188.3
	46 Dibenzofuran	168	12.823	12.823	(1.026)	2012989	80.0000	69.91
	47 4-Nitrophenol	109	12.861	12.861	(1.029)	250336	80.0000	80.02 (M)
	48 2,4-Dinitrotoluene	165	12.930	12.930	(1.034)	641395	80.0000	82.78
	50 Diethylphthalate	149	13.368	13.368	(1.069)	1683972	80.0000	71.56
	49 Fluorene	166	13.379	13.379	(1.070)	1669783	80.0000	68.07
	51 4-Chlorophenyl-phenylether	204	13.411	13.411	(1.073)	924625	80.0000	76.22
	52 4-Nitroaniline	138	13.523	13.523	(1.082)	480261	80.0000	81.96
	53 4,6-Dinitro-2-methylphenol	198	13.593	13.593	(0.914)	898863	160.000	165.3
	54 N-Nitrosodiphenylamine	169	13.630	13.630	(0.917)	1336197	80.0000	71.05
$	55 2,4,6-Tribromophenol	330	Compound Not Detected.					
	56 4-Bromophenyl-phenylether	248	14.185	14.185	(0.954)	623118	80.0000	77.37
	57 Hexachlorobenzene	284	14.399	14.399	(0.968)	646668	80.0000	76.22
	58 Pentachlorophenol	266	14.704	14.704	(0.989)	459345	80.0000	91.60
*	59 Phenanthrene-d10	188	14.869	14.869	(1.000)	549184	20.0000	
	60 Phenanthrene	178	14.912	14.912	(1.003)	2305020	80.0000	67.57
	61 Anthracene	178	14.987	14.987	(1.008)	2344156	80.0000	66.52
	62 Carbazole	167	15.280	15.280	(1.028)	2213821	80.0000	67.69
	63 Di-n-butylphthalate	149	16.012	16.012	(1.077)	2664538	80.0000	66.47
	64 Fluoranthene	202	16.835	16.835	(1.132)	2453870	80.0000	66.39
	65 Pyrene	202	17.187	17.187	(0.897)	2416567	80.0000	69.90
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	18.421	18.421	(0.961)	1317448	80.0000	78.82
	68 Benzo(a)anthracene	228	19.147	19.147	(0.999)	2451149	80.0000	73.87
*	69 Chrysene-d12	240	19.169	19.169	(1.000)	574045	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.174	19.174	(1.000)	807285	80.0000	74.97
	71 Chrysene	228	19.217	19.217	(1.002)	2263478	80.0000	72.87
	72 bis(2-Ethylhexyl)phthalate	149	19.420	19.420	(0.954)	1765240	80.0000	75.51
*	134 Di-n-octylphthalate-d4	153	20.354	20.354	(1.000)	737424	20.0000	
	73 Di-n-octylphthalate	149	20.360	20.360	(1.000)	2759606	80.0000	69.04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.803	20.803	(0.976)	2878066	80.0000	72.41
75	Benzo(k)fluoranthene	252	20.840	20.840	(0.978)	2488308	80.0000	60.66
187	Total Benzofluoranthenes	252	20.840	20.840	(0.978)	5048243	160.000	132.0
76	Benzo(a)pyrene	252	21.246	21.246	(0.997)	2615653	80.0000	69.86
* 77	Perylene-d12	264	21.316	21.316	(1.000)	593718	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.720	22.720	(1.066)	3631800	80.0000	72.51
79	Dibenzo(a,h)anthracene	278	22.747	22.747	(1.067)	2711737	80.0000	70.46
80	Benzo(g,h,i)perylene	276	23.089	23.089	(1.083)	3230387	80.0000	71.50
90	N-Nitrosodimethylamine	74	2.750	2.750	(0.362)	620385	80.0000	78.18
103	Pyridine	79	2.702	2.702	(0.356)	1128868	80.0000	79.58
91	Aniline	93	7.157	7.157	(0.942)	1299555	80.0000	72.33
105	1-methylnaphthalene	141	10.975	10.975	(1.137)	1345774	80.0000	69.54
93	Benzidine	184	17.107	17.107	(0.892)	743780	80.0000	67.39
111	Azobenzene (1,2-DP-Hydrazine)	77	13.667	13.667	(1.093)	1784288	80.0000	74.77
143	1,4-Dioxane	88	2.168	2.168	(0.285)	412510	80.0000	78.51
$ 137	d8-1,4-Dioxane	96	2.125	2.125	(0.280)	419134	80.0000	80.55
144	alpha-Terpineol	59	9.731	9.731	(1.008)	549670	80.0000	75.83
98	Retene	219	17.759	17.759	(0.926)	959990	80.0000	80.14
133	Butylatedhydroxytoluene	205	12.706	12.706	(1.016)	1283146	80.0000	67.59
115	Tributyl Phosphate	99	13.763	13.763	(0.926)	2014000	80.0000	69.31
116	Dibutyl Phenyl Phosphate	175	15.457	15.457	(1.040)	1481750	80.0000	74.09
117	Butyl Diphenyl Phosphate	94	17.134	17.134	(0.894)	494257	80.0000	78.81
118	Triphenyl Phosphate	326	18.731	18.731	(0.977)	539388	80.0000	86.01
123	Acetophenone	105	8.316	8.316	(1.095)	1188668	80.0000	74.79
179	n-Decane	57	7.450	7.450	(0.981)	749840	80.0000	72.12
180	n-Octadecane	57	14.832	14.832	(0.997)	703022	80.0000	65.16
168	Pentachlorobenzene	250	12.866	12.866	(1.029)	718448	80.0000	77.34
113	Diphenyl Oxide	170	11.782	11.782	(0.942)	1519811	80.0000	69.89
112	Biphenyl	154	11.590	11.590	(0.927)	1616091	80.0000	66.98
120	2,3,4,6-Tetrachlorophenol	232	13.112	13.112	(1.049)	600513	80.0000	84.23
151	1,2,4,5-Tetrachlorobenzene	216	11.141	11.141	(0.891)	882626	80.0000	73.33
110	Tetrachloroguaiacol	247	14.842	14.842	(0.998)	648752	160.000	153.2
109	3,4,5-Trichloroguaiacol	213	13.219	13.219	(0.889)	337376	80.0000	78.39
181	3,4,6-Trichloroguaiacol	211	13.331	13.331	(1.755)	409150	80.0000	83.85
108	4,5,6-Trichloroguaiacol	213	14.250	14.250	(1.140)	347921	80.0000	82.16
184	3,4-Dichloroguaiacol	192	11.675	11.675	(1.537)	356500	80.0000	83.24
107	4,5-Dichloroguaiacol	192	12.476	12.476	(0.998)	832681	160.000	156.6
182	4,6-Dichloroguaiacol	192	12.476	12.476	(1.643)	834886	160.000	160.8
185	4-Chloroguaiacol	115	10.596	10.596	(1.395)	216477	40.0000	40.55
186	Carbaryl	144	15.702	15.702	(1.056)	1238106	80.0000	79.80
106	Guaiacol	124	8.588	8.588	(1.131)	826280	80.0000	74.37

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231007.D
Lab Smp Id: IC800723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC800723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	184081	0.71
27 Naphthalene-d8	584137	292068	1168274	604045	3.41
42 Acenaphthene-d10	320442	160221	640884	337280	5.25
59 Phenanthrene-d10	503793	251896	1007586	549184	9.01
69 Chrysene-d12	532343	266172	1064686	574045	7.83
134 Di-n-octylphthala	719428	359714	1438856	737424	2.50
77 Perylene-d12	517269	258634	1034538	593718	14.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.03
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.08
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.05
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.04
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.04
77 Perylene-d12	21.31	20.81	21.81	21.32	0.04

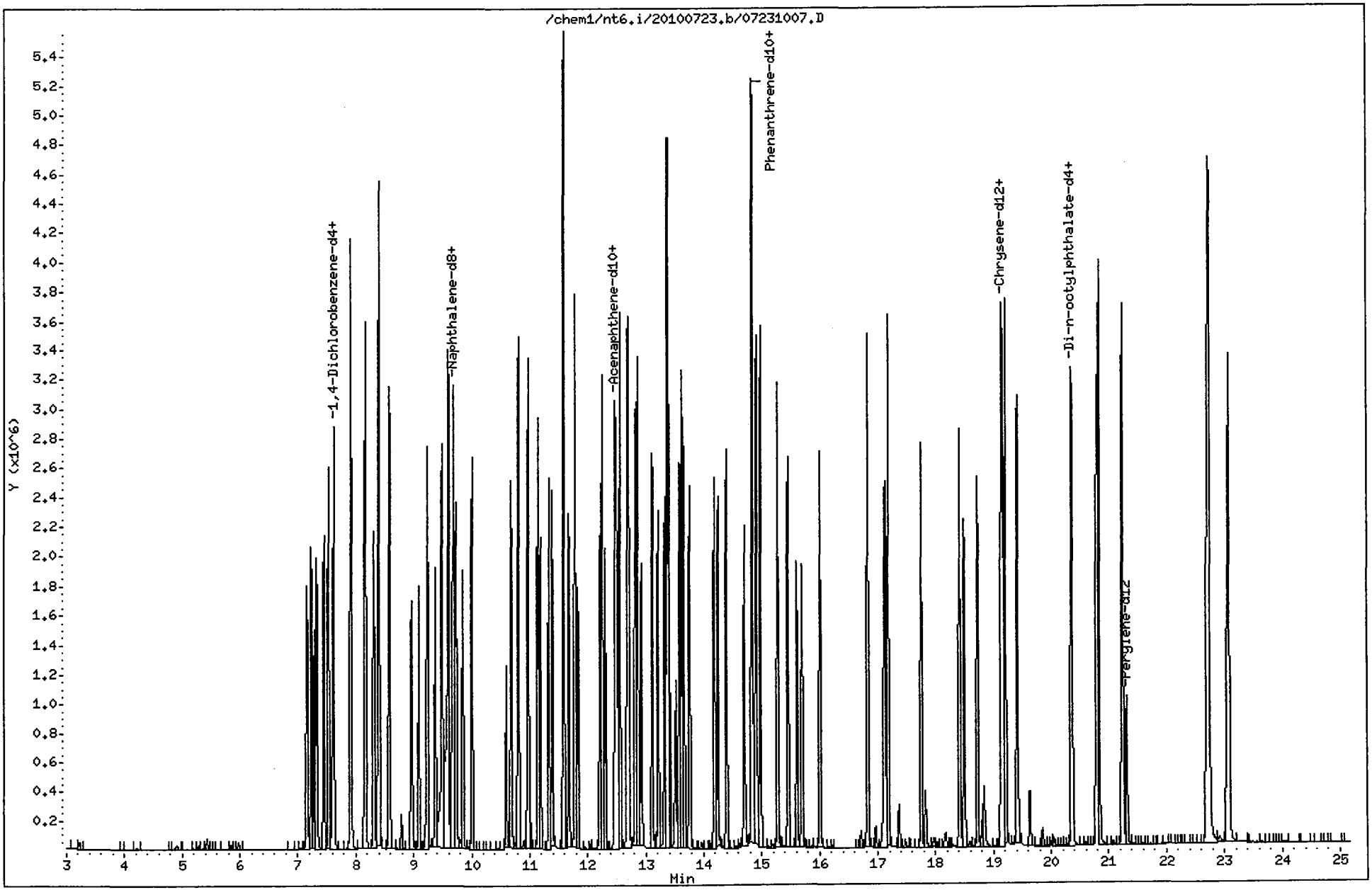
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231007.D
Date : 23-JUL-2010 18:38
Client ID: IC800723
Sample Info: IC800723,

Instrument: nt6.i

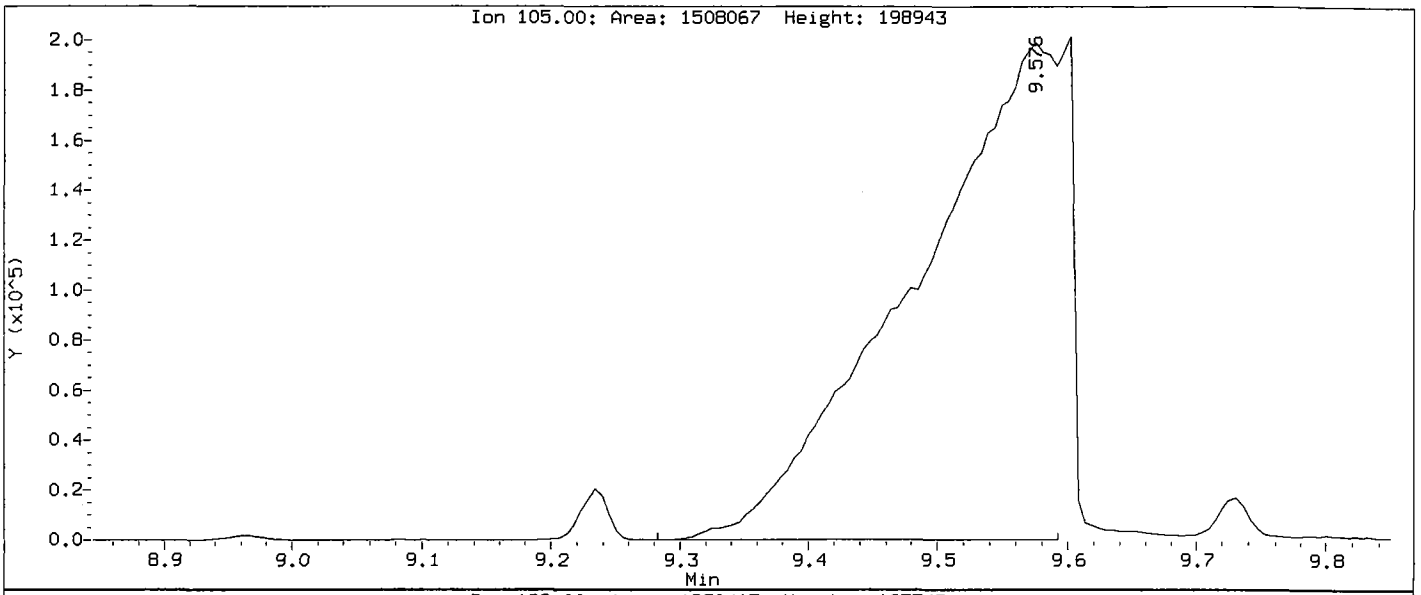
Operator: JZ
Column diameter: 0.32

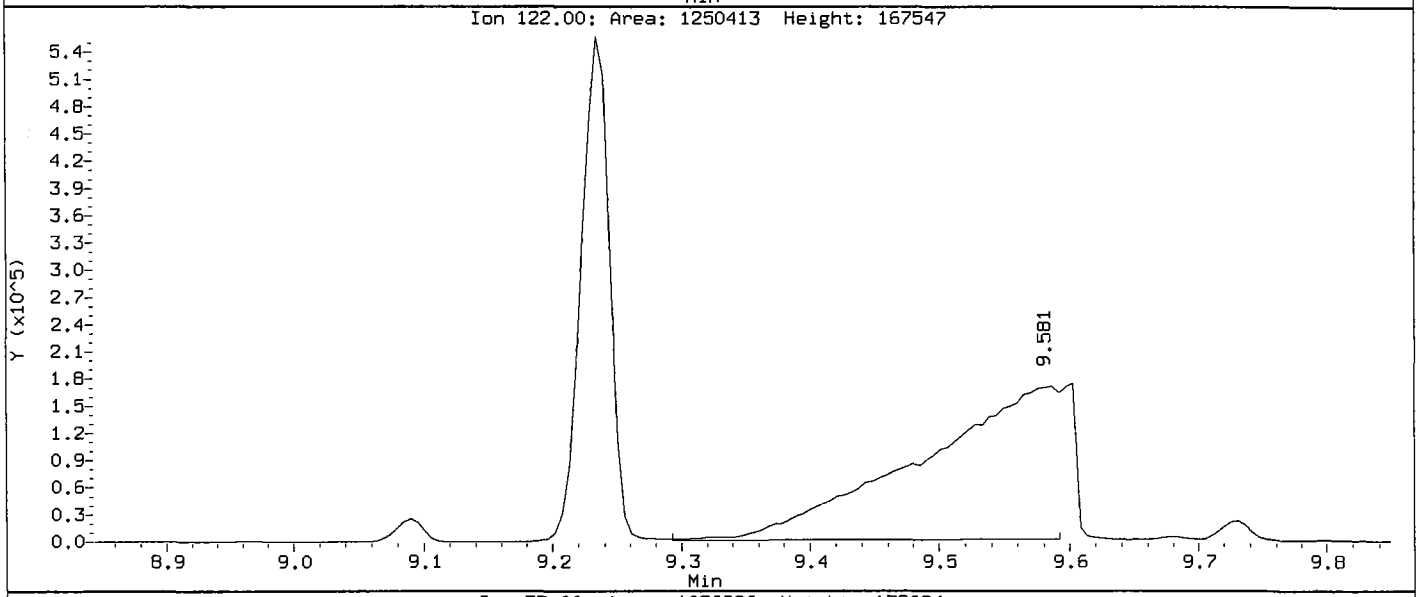
Column phase: ZB-5msi

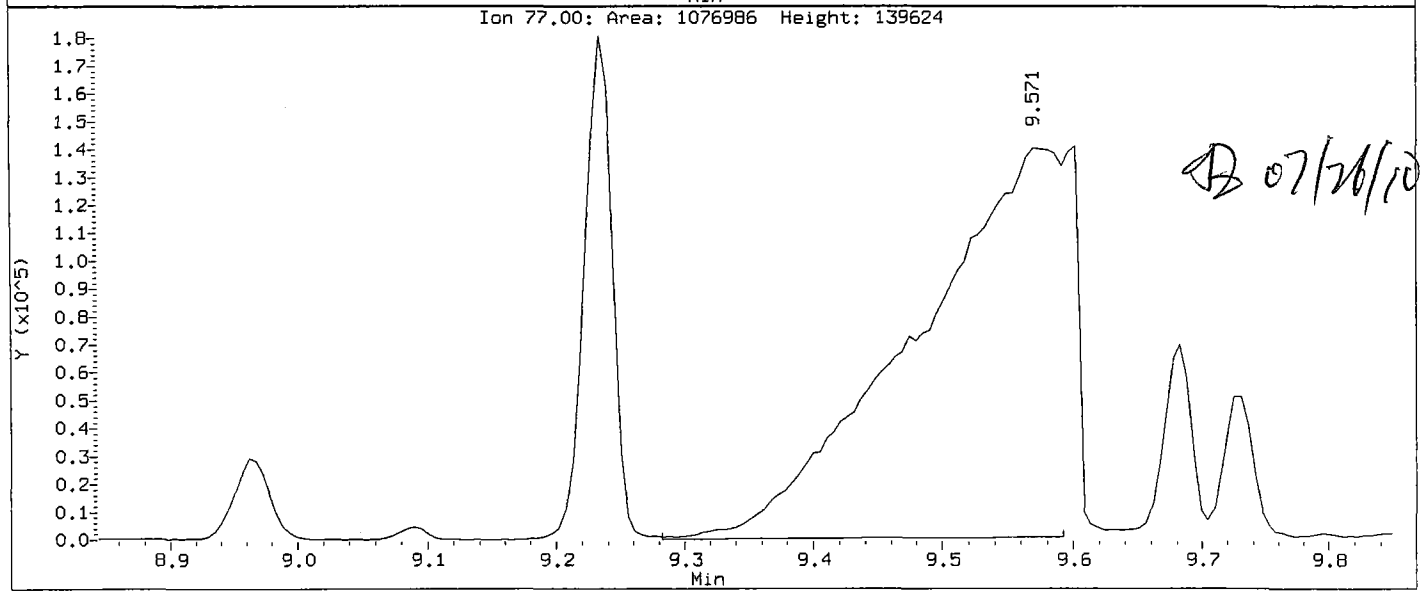


Data File: /chem1/nt6.i/20100723.b/07231007.D
Injection Date: 23-JUL-2010 18:38
Instrument: nt6.i
Client Sample ID: IC800723

Compound: Benzoic acid
CAS Number: 65-85-0





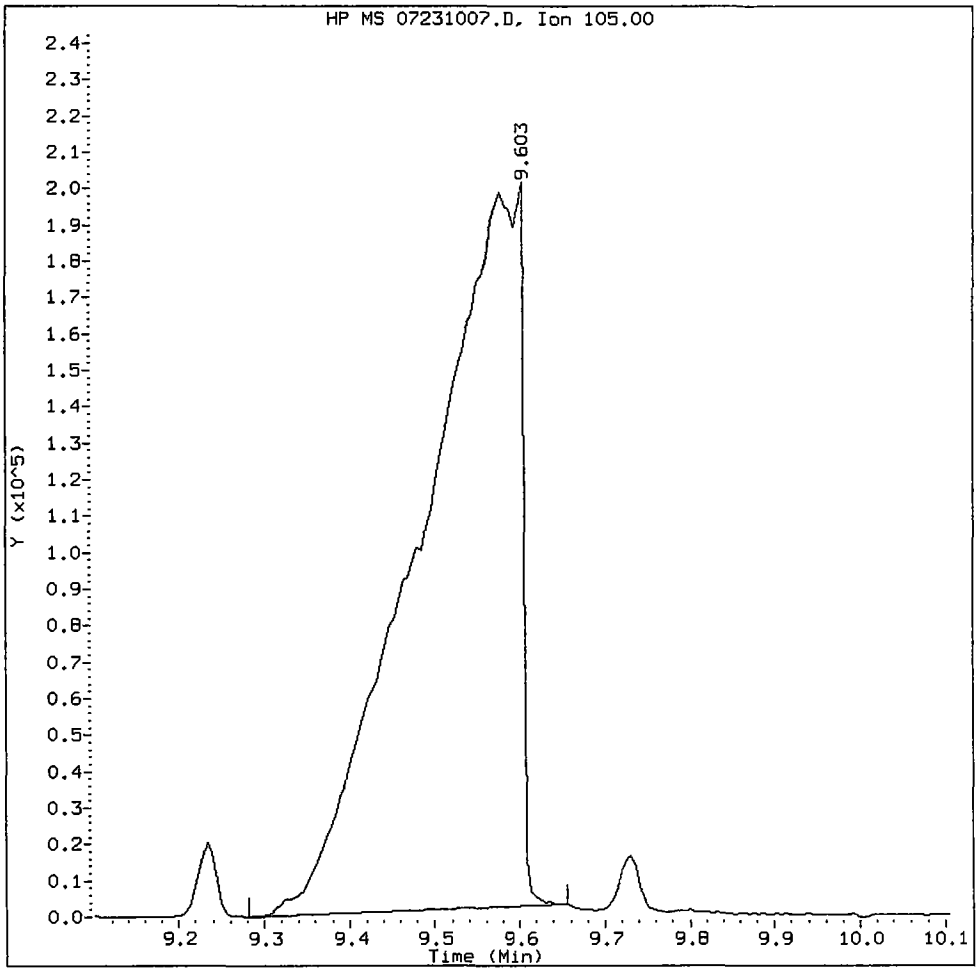


B 07/26/10

RG60 : 00524

IC800723, /chem1/nt6.i/20100723.b/07231007.D

Benzoic acid Amount: 173.97 Area: 1615248



MANUAL INTEGRATION for Benzoic acid

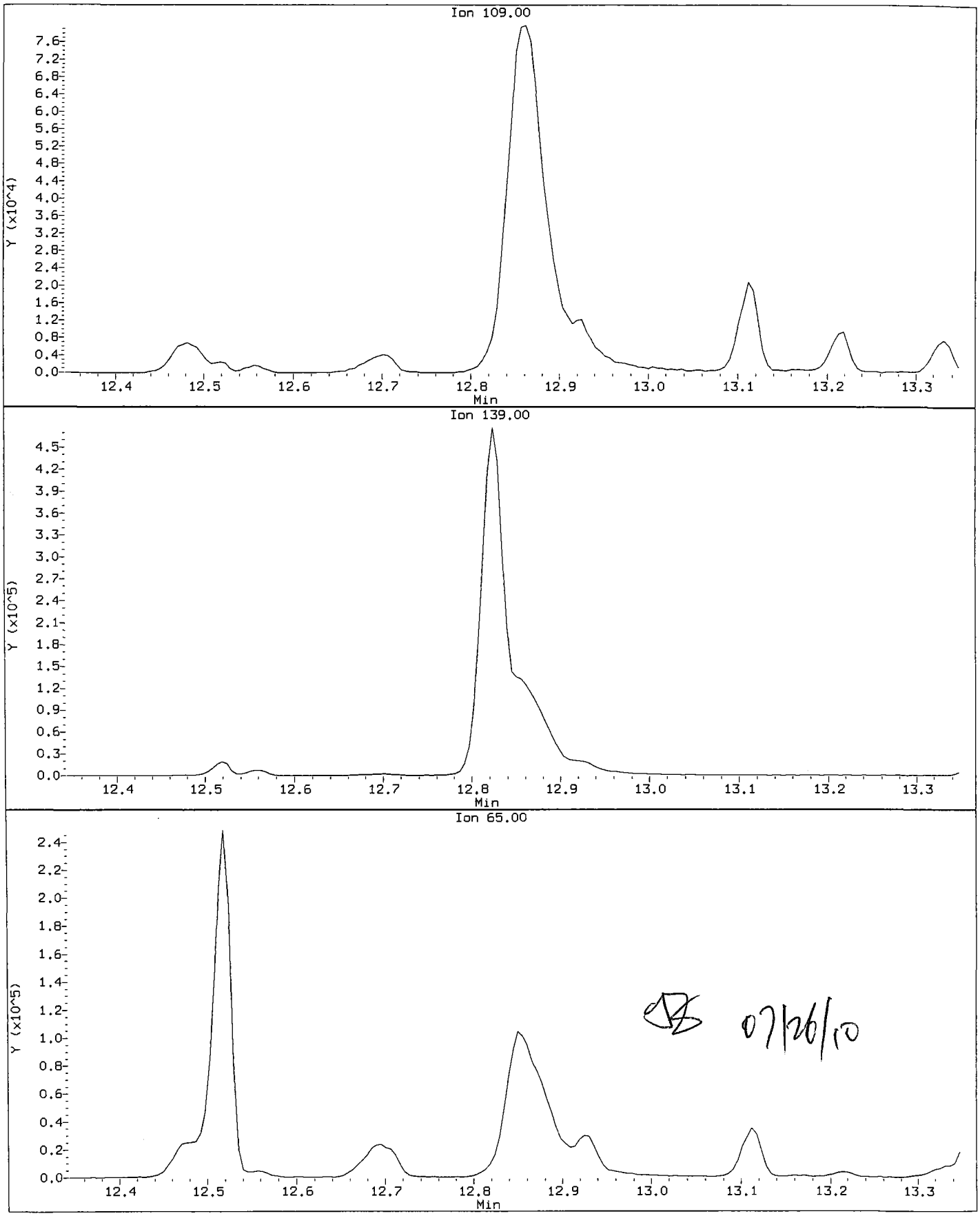
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

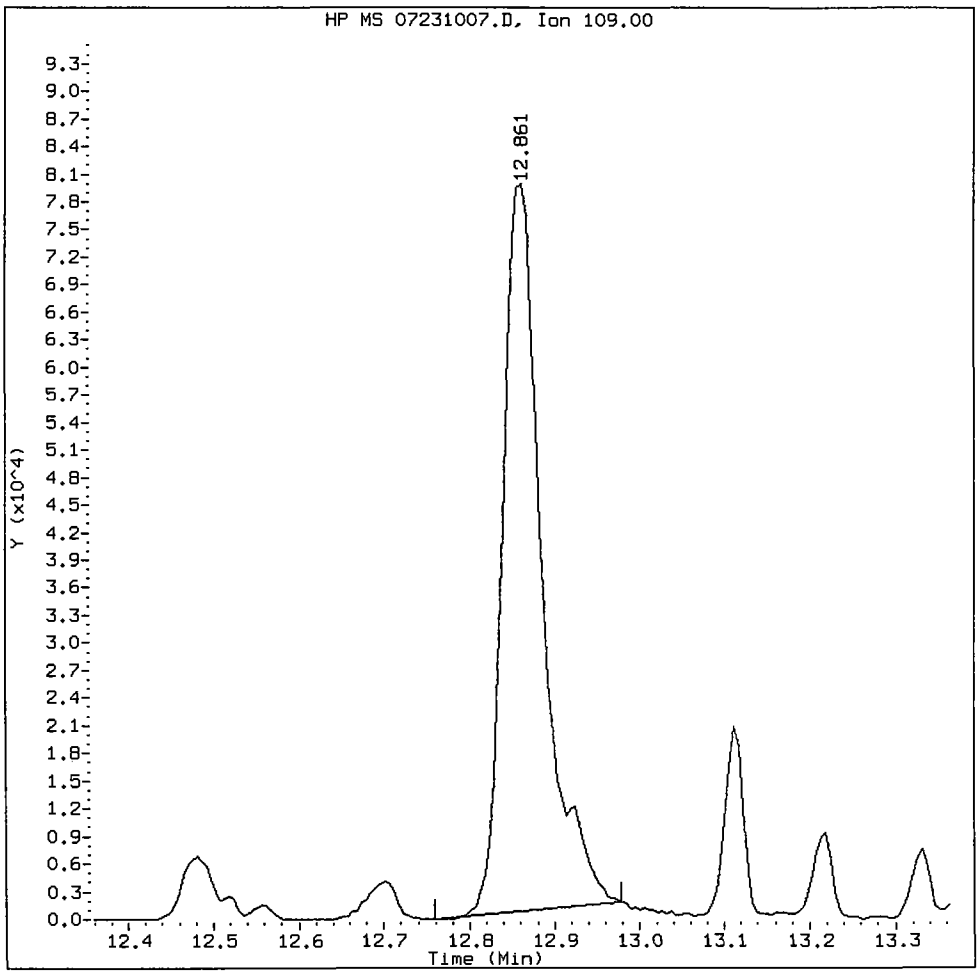
Data File: /chem1/nt6.i/20100723.b/07231007.D
Injection Date: 23-JUL-2010 18:38
Instrument: nt6.i
Client Sample ID: IC800723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



IC800723, /chem1/nt6.i/20100723.b/07231007.D

4-Nitrophenol Amount: 80.02 Area: 250336



MANUAL INTEGRATION for 4-Nitrophenol

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

5. Other _____

Analyst: _____ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231008.D
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Inj Date : 23-JUL-2010 20:17
Operator : JZ Inst ID: nt6.i
Smp Info : ICV0723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:35 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	5.602	5.610	(0.738)	302142	25.7548	25.75 (R)
$ 2	Phenol-d5	99	7.204	7.218	(0.949)	335463	24.7563	24.76 (R)
3	Phenol	94	7.226	7.237	(0.952)	339785	22.5779	22.58
$ 5	2-Chlorophenol-d4	132	7.295	7.303	(0.961)	281753	24.6175	24.62 (R)
4	Bis(2-Chloroethyl)ether	93	7.279	7.290	(0.959)	304187	26.3668	26.37
6	2-Chlorophenol	128	7.316	7.327	(0.964)	291054	22.3679	22.37
7	1,3-Dichlorobenzene	146	7.525	7.530	(0.992)	378563	24.9751	24.98
* 8	1,4-Dichlorobenzene-d4	152	7.589	7.595	(1.000)	176582	20.0000	
9	1,4-Dichlorobenzene	146	7.616	7.621	(1.004)	373980	25.1845	25.18
$ 10	1,2-Dichlorobenzene-d4	152	7.888	7.896	(1.039)	197842	24.9146	24.91 (R)
12	1,2-Dichlorobenzene	146	7.909	7.915	(1.042)	346390	25.0849	25.08
11	Benzyl alcohol	108	7.899	7.910	(1.041)	205971	28.9097	28.91
14	2,2'-oxybis(1-Chloropropane)	45	8.155	8.161	(1.075)	320212	26.0298	26.03
13	2-Methylphenol	108	8.155	8.166	(1.075)	260466	23.2089	23.21
17	Hexachloroethane	117	8.401	8.406	(1.107)	138110	25.7462	25.75
16	N-Nitroso-di-n-propylamine	70	8.374	8.390	(1.103)	210206	26.9423	26.94
15	4-Methylphenol	108	8.390	8.406	(1.106)	259863	23.4548	23.45
$ 18	Nitrobenzene-d5	82	8.534	8.542	(0.885)	274740	24.2876	24.29 (R)
19	Nitrobenzene	77	8.561	8.572	(0.888)	317981	25.3562	25.36
20	Isophorone	82	8.945	8.967	(0.927)	556067	27.8428	27.84
21	2-Nitrophenol	139	9.079	9.090	(0.941)	165718	22.5221	22.52
22	2,4-Dimethylphenol	107	9.223	9.234	(0.956)	266385	22.0023	22.00
23	Bis(2-Chloroethoxy)methane	93	9.362	9.373	(0.971)	346047	25.0051	25.01
24	Benzoic acid	105	9.458	9.603	(0.981)	411600	45.9898	45.99
25	2,4-Dichlorophenol	162	9.474	9.485	(0.982)	229314	21.6315	21.63
26	1,2,4-Trichlorobenzene	180	9.592	9.597	(0.994)	290055	25.0468	25.05
* 27	Naphthalene-d8	136	9.645	9.651	(1.000)	582262	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	28 Naphthalene	128	9.672	9.683	(1.003)	855843	26.0064	26.01
	29 4-Chloroaniline	127	9.837	9.843	(1.020)	369626	28.0380	28.04
	30 Hexachlorobutadiene	225	10.003	10.009	(1.037)	170071	25.1822	25.18
	31 4-Chloro-3-methylphenol	107	10.671	10.682	(1.106)	226211	22.1338	22.13
	32 2-Methylnaphthalene	141	10.799	10.805	(1.120)	485070	26.8581	26.86
	33 Hexachlorocyclopentadiene	237	11.178	11.184	(0.894)	155013	23.0155	23.02
	34 2,4,6-Trichlorophenol	196	11.322	11.333	(0.906)	163848	22.0919	22.09
	35 2,4,5-Trichlorophenol	196	11.381	11.392	(0.911)	172363	22.5234	22.52
$	36 2-Fluorobiphenyl	172	11.450	11.453	(0.916)	546411	24.0943	24.09(R)
	37 2-Chloronaphthalene	162	11.573	11.579	(0.926)	532254	24.7189	24.72
	38 2-Nitroaniline	65	11.824	11.835	(0.946)	149026	27.8009	27.80
	39 Dimethylphthalate	163	12.204	12.220	(0.976)	629083	25.8720	25.87
	40 Acenaphthylene	152	12.246	12.252	(0.980)	848021	25.4360	25.44
	41 2,6-Dinitrotoluene	165	12.294	12.305	(0.984)	145173	25.1272	25.13
*	42 Acenaphthene-d10	164	12.497	12.503	(1.000)	323945	20.0000	
	43 3-Nitroaniline	138	12.503	12.519	(1.000)	149842	29.6424	29.64
	44 Acenaphthene	153	12.551	12.562	(1.004)	536105	25.7493	25.75
	45 2,4-Dinitrophenol	184	12.668	12.690	(1.014)	201042	42.3460	42.35
	46 Dibenzofuran	168	12.812	12.823	(1.025)	752607	27.2141	27.21
	47 4-Nitrophenol	109	12.839	12.861	(1.027)	71518	23.8006	23.80
	48 2,4-Dinitrotoluene	165	12.914	12.930	(1.033)	194901	26.1903	26.19
	50 Diethylphthalate	149	13.357	13.368	(1.069)	572287	25.3218	25.32
	49 Fluorene	166	13.368	13.379	(1.070)	602733	25.5811	25.58
	51 4-Chlorophenyl-phenylether	204	13.405	13.411	(1.073)	292139	25.0726	25.07
	52 4-Nitroaniline	138	13.496	13.523	(1.080)	152959	27.1798	27.18
	53 4,6-Dinitro-2-methylphenol	198	13.566	13.593	(0.913)	223359	43.6280	43.63
	54 N-Nitrosodiphenylamine	169	13.614	13.630	(0.916)	427806	24.1637	24.16
$	55 2,4,6-Tribromophenol	330	13.790	13.798	(1.103)	75610	25.6162	25.62(R)
	56 4-Bromophenyl-phenylether	248	14.180	14.185	(0.954)	191744	25.2907	25.29
	57 Hexachlorobenzene	284	14.388	14.399	(0.968)	200104	25.0540	25.05
	58 Pentachlorophenol	266	14.692	14.704	(0.988)	106284	22.5154	22.52
*	59 Phenanthrene-d10	188	14.863	14.869	(1.000)	516976	20.0000	
	60 Phenanthrene	178	14.901	14.912	(1.002)	817896	25.4699	25.47
	61 Anthracene	178	14.970	14.987	(1.007)	843835	25.4372	25.44
	62 Carbazole	167	15.269	15.280	(1.027)	757904	24.6171	24.62
	63 Di-n-butylphthalate	149	16.006	16.012	(1.077)	984901	26.1018	26.10
	64 Fluoranthene	202	16.829	16.835	(1.132)	924404	26.5666	26.57
	65 Pyrene	202	17.176	17.187	(0.896)	895541	27.3311	27.33
$	66 Terphenyl-d14	244	17.513	17.515	(0.914)	502221	26.0581	26.06(R)
	67 Butylbenzylphthalate	149	18.410	18.421	(0.961)	445853	28.1439	28.14
	68 Benzo(a)anthracene	228	19.136	19.147	(0.999)	853493	27.1378	27.14
*	69 Chrysene-d12	240	19.163	19.169	(1.000)	544051	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.163	19.174	(1.000)	296160	29.0191	29.02
	71 Chrysene	228	19.200	19.217	(1.002)	787876	26.7633	26.76
	72 bis(2-Ethylhexyl)phthalate	149	19.414	19.420	(0.954)	606626	26.1539	26.15
*	134 Di-n-octylphthalate-d4	153	20.349	20.354	(1.000)	731609	20.0000	
	73 Di-n-octylphthalate	149	20.359	20.360	(1.001)	983437	24.7985	24.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
74	Benzo(b)fluoranthene	252	20.787	20.803	(0.976)	939291	26.8309	26.83
75	Benzo(k)fluoranthene	252	20.819	20.840	(0.977)	899448	24.8923	24.89
187	Total Benzofluoranthenes	252	20.819	20.840	(0.977)	1738917	51.6417	51.64
76	Benzo(a)pyrene	252	21.225	21.246	(0.996)	801751	24.3128	24.31
* 77	Perylene-d12	264	21.305	21.316	(1.000)	522945	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.699	22.720	(1.065)	1164841	26.4045	26.40
79	Dibenzo(a,h)anthracene	278	22.725	22.747	(1.067)	891426	26.2958	26.30
80	Benzo(g,h,i)perylene	276	23.057	23.089	(1.082)	1016920	25.5542	25.55
90	N-Nitrosodimethylamine	74	2.718	2.750	(0.358)	203152	26.6890	26.69
103	Pyridine	79	2.686	2.702	(0.354)	386661	28.4162	28.42
91	Aniline	93	7.151	7.157	(0.942)	509239	29.5450	29.55
105	1-methylnaphthalene	141	10.964	10.975	(1.137)	465323	24.9433	24.94
93	Benzidine	184	17.101	17.107	(0.892)	330482	31.5959	31.60
111	Azobenzene (1,2-DP-Hydrazine)	77	13.651	13.667	(1.092)	566528	24.7167	24.72
143	1,4-Dioxane	88	2.146	2.168	(0.283)	134807	26.7477	26.75
$ 137	d8-1,4-Dioxane	96	2.104	2.125	(0.277)	124707	24.9828	24.98(R)
144	alpha-Terpineol	59	9.720	9.731	(1.008)	173894	24.8865	24.89
98	Retene	219	17.753	17.759	(0.926)	302825	26.6747	26.67
133	Butylatedhydroxytoluene	205	12.700	12.706	(1.016)	453731	24.8832	24.88
115	Tributyl Phosphate	99	13.736	13.763	(0.924)	694262	25.3816	25.38
116	Dibutyl Phenyl Phosphate	175	15.451	15.457	(1.040)	487084	25.8710	25.87
117	Butyl Diphenyl Phosphate	94	17.128	17.134	(0.894)	158542	26.6745	26.67
118	Triphenyl Phosphate	326	18.720	18.731	(0.977)	159074	26.7635	26.76
123	Acetophenone	105	8.299	8.316	(1.094)	420299	27.5683	27.57
179	n-Decane	57	7.445	7.450	(0.981)	271295	27.2026	27.20
180	n-Octadecane	57	14.826	14.832	(0.997)	288829	28.4370	28.44
168	Pentachlorobenzene	250	12.855	12.866	(1.029)	231893	25.9903	25.99
113	Diphenyl Oxide	170	11.776	11.782	(0.942)	374237	17.9170	17.92
112	Biphenyl	154	11.579	11.590	(0.926)	642598	27.7286	27.73
120	2,3,4,6-Tetrachlorophenol	232	13.106	13.112	(1.049)	176844	25.8264	25.83
151	1,2,4,5-Tetrachlorobenzene	216	11.135	11.141	(0.891)	282106	24.4037	24.40
110	Tetrachloroguaiacol	247	14.826	14.842	(0.997)	201384	50.5278	50.53
109	3,4,5-Trichloroguaiacol	213	13.208	13.219	(0.889)	99787	24.6313	24.63
181	3,4,6-Trichloroguaiacol	211	13.320	13.331	(1.755)	118646	25.3490	25.35
108	4,5,6-Trichloroguaiacol	213	14.238	14.250	(1.139)	102183	25.1219	25.12
184	3,4-Dichloroguaiacol	192	11.669	11.675	(1.538)	104314	25.3919	25.39
107	4,5-Dichloroguaiacol	192	12.465	12.476	(0.997)	254884	49.8970	49.90
182	4,6-Dichloroguaiacol	192	12.465	12.476	(1.643)	254884	51.1860	51.19
185	4-Chloroguaiacol	115	10.591	10.596	(1.396)	65963	12.8795	12.88
186	Carbaryl	144	15.686	15.702	(1.055)	383589	26.2646	26.26
106	Guaiacol	124	8.577	8.588	(1.130)	271343	25.4590	25.46

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231008.D
Lab Smp Id: ICV0723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: ICV0723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	176582	-3.39
27 Naphthalene-d8	584137	292068	1168274	582262	-0.32
42 Acenaphthene-d10	320442	160221	640884	323945	1.09
59 Phenanthrene-d10	503793	251896	1007586	516976	2.62
69 Chrysene-d12	532343	266172	1064686	544051	2.20
134 Di-n-octylphthala	719428	359714	1438856	731609	1.69
77 Perylene-d12	517269	258634	1034538	522945	1.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.04
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.02
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.01
69 Chrysene-d12	19.16	18.66	19.66	19.16	0.01
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.01
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.01

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ICV0723
Level:
Data Type: MS DATA
SpikeList File: ICVS.spk
Sublist File: ICAL.sub
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Client SDG: 20100723
Fraction: SV
Client Smp ID: ICV0723
Operator: JZ
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	25.00	22.58	90.31	
4 Bis(2-Chloroethyl)	25.00	26.37	105.47	
6 2-Chlorophenol	25.00	22.37	89.47	
7 1,3-Dichlorobenzen	25.00	24.98	99.90	
9 1,4-Dichlorobenzen	25.00	25.18	100.74	
11 Benzyl alcohol	25.00	28.91	115.64	
12 1,2-Dichlorobenzen	25.00	25.08	100.34	
13 2-Methylphenol	25.00	23.21	92.84	
14 2,2'-oxybis(1-Chlo	25.00	26.03	104.12	
15 4-Methylphenol	25.00	23.45	93.82	
16 N-Nitroso-di-n-pro	25.00	26.94	107.77	
17 Hexachloroethane	25.00	25.75	102.98	
19 Nitrobenzene	25.00	25.36	101.42	
20 Isophorone	25.00	27.84	111.37	
21 2-Nitrophenol	25.00	22.52	90.09	
22 2,4-Dimethylphenol	25.00	22.00	88.01	
23 Bis(2-Chloroethoxy	25.00	25.01	100.02	
24 Benzoic acid	50.00	45.99	91.98	
25 2,4-Dichlorophenol	25.00	21.63	86.53	
26 1,2,4-Trichloroben	25.00	25.05	100.19	
28 Naphthalene	25.00	26.01	104.03	
29 4-Chloroaniline	25.00	28.04	112.15	
30 Hexachlorobutadien	25.00	25.18	100.73	
31 4-Chloro-3-methylp	25.00	22.13	88.54	
32 2-Methylnaphthalen	25.00	26.86	107.43	
33 Hexachlorocyclopen	25.00	23.02	92.06	
34 2,4,6-Trichlorophe	25.00	22.09	88.37	
35 2,4,5-Trichlorophe	25.00	22.52	90.09	
37 2-Chloronaphthalen	25.00	24.72	98.88	
38 2-Nitroaniline	25.00	27.80	111.20	
39 Dimethylphthalate	25.00	25.87	103.49	
40 Acenaphthylene	25.00	25.44	101.74	
41 2,6-Dinitrotoluene	25.00	25.13	100.51	

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
43	3-Nitroaniline	25.00	29.64	118.57	
44	Acenaphthene	25.00	25.75	103.00	
45	2,4-Dinitrophenol	50.00	42.35	84.69	
46	Dibenzofuran	25.00	27.21	108.86	
47	4-Nitrophenol	25.00	23.80	95.20	
48	2,4-Dinitrotoluene	25.00	26.19	104.76	
49	Fluorene	25.00	25.58	102.32	
50	Diethylphthalate	25.00	25.32	101.29	
51	4-Chlorophenyl-phe	25.00	25.07	100.29	
52	4-Nitroaniline	25.00	27.18	108.72	
53	4,6-Dinitro-2-meth	50.00	43.63	87.26	
54	N-Nitrosodiphenyla	25.00	24.16	96.65	
56	4-Bromophenyl-phen	25.00	25.29	101.16	
57	Hexachlorobenzene	25.00	25.05	100.22	
58	Pentachlorophenol	25.00	22.52	90.06	
60	Phenanthrene	25.00	25.47	101.88	
61	Anthracene	25.00	25.44	101.75	
62	Carbazole	25.00	24.62	98.47	
63	Di-n-butylphthalat	25.00	26.10	104.41	
64	Fluoranthene	25.00	26.57	106.27	
65	Pyrene	25.00	27.33	109.32	
67	Butylbenzylphthala	25.00	28.14	112.58	
68	Benzo(a)anthracene	25.00	27.14	108.55	
70	3,3'-Dichlorobenzi	25.00	29.02	116.08	
71	Chrysene	25.00	26.76	107.05	
72	bis(2-Ethylhexyl)p	25.00	26.15	104.62	
73	Di-n-octylphthalat	25.00	24.80	99.19	
74	Benzo(b)fluoranthe	25.00	26.83	107.32	
75	Benzo(k)fluoranthe	25.00	24.89	99.57	
76	Benzo(a)pyrene	25.00	24.31	97.25	
78	Indeno(1,2,3-cd)py	25.00	26.40	105.62	
79	Dibenzo(a,h)anthra	25.00	26.30	105.18	
80	Benzo(g,h,i)peryle	25.00	25.55	102.22	
90	N-Nitrosodimethyla	25.00	26.69	106.76	
91	Aniline	25.00	29.55	118.18	
93	Benzidine	25.00	31.60	126.38	
103	Pyridine	25.00	28.42	113.66	
105	1-methylnaphthalen	25.00	24.94	99.77	
120	2,3,4,6-Tetrachlor	25.00	25.83	103.31	
151	1,2,4,5-Tetrachlor	25.00	24.40	97.61	
143	1,4-Dioxane	25.00	26.75	106.99	
110	Tetrachloroguaiaco	50.00	50.53	101.06	
109	3,4,5-Trichlorogua	25.00	24.63	98.53	
181	3,4,6-Trichlorogua	25.00	25.35	101.40	
108	4,5,6-Trichlorogua	25.00	25.12	100.49	
184	3,4-Dichloroguaiac	25.00	25.39	101.57	
107	4,5-Dichloroguaiac	50.00	49.90	99.79	

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
182 4,6-Dichloroguaiac	50.00	51.19	102.37	
185 4-Chloroguaiacol	12.50	12.88	103.04	
106 Guaiacol	25.00	25.46	101.84	

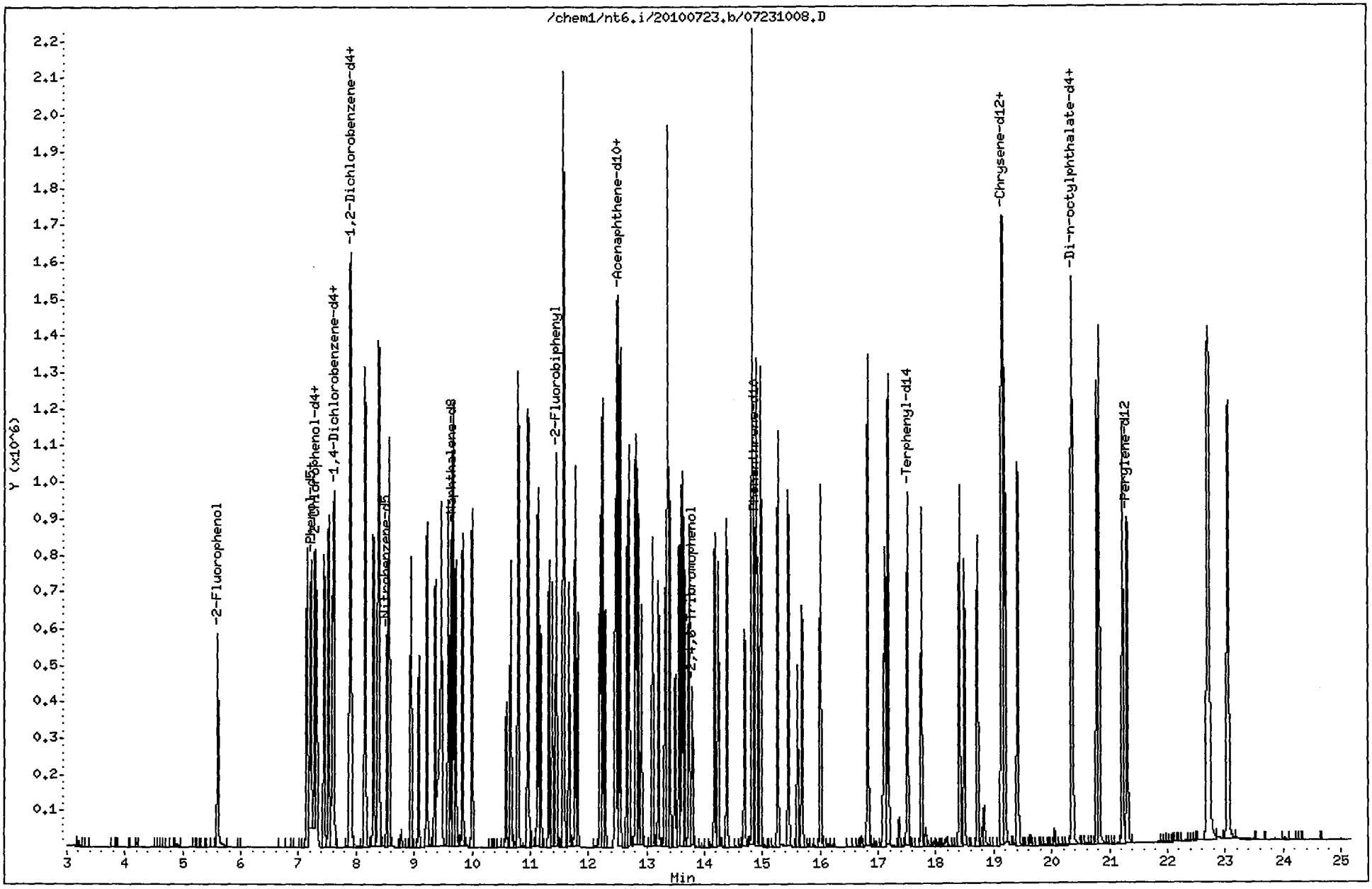
SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	25.00	25.75	103.02	
$ 2 Phenol-d5	25.00	24.76	99.03	
$ 5 2-Chlorophenol-d4	25.00	24.62	98.47	
$ 10 1,2-Dichlorobenzen	25.00	24.91	99.66	
$ 18 Nitrobenzene-d5	25.00	24.29	97.15	
$ 36 2-Fluorobiphenyl	25.00	24.09	96.38	
$ 55 2,4,6-Tribromophen	25.00	25.62	102.46	
$ 66 Terphenyl-d14	25.00	26.06	104.23	
$ 137 d8-1,4-Dioxane	25.00	24.98	99.93	

Data File: /chem1/nt6.i/20100723.b/07231008.D
Date : 23-JUL-2010 20:17
Client ID: ICV0723
Sample Info: ICV0723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: Arvil Client ID: /

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 NT-6 NT-8 NT11

Curve Date: 7/19/10 Analysis Start Date: 7/19/10

DFTPP Tune Meets Criteria?	YES / NO	Internal Standard Meets Criteria?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	Method Blank In Control?	YES / NO / NA
Peak Tailing Factor ≤2?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO
Q flag applied?	YES / NO	Q flag applied?	YES / NO
Surrogate Recovery in Control?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes /NO / NA

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 07/21/10

Reviewer: _____ **Date:** 7/22/10

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Calibration File Names:
Level 1: /chem3/nt4.i/20100719.b/07191002.d
Level 2: /chem3/nt4.i/20100719.b/07191003.d
Level 3: /chem3/nt4.i/20100719.b/07191004.d
Level 4: /chem3/nt4.i/20100719.b/07191001.d
Level 5: /chem3/nt4.i/20100719.b/07191005.d
Level 6: /chem3/nt4.i/20100719.b/07191006.d
Level 7: /chem3/nt4.i/20100719.b/07191007.d

JB 07/20/10

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
179 n-Decane	0.92180	0.82264	0.83087	0.80562	0.77461	0.72218	0.72634	0.80058	8.602
180 n-Octadecane	0.30254	0.30439	0.30088	0.27733	0.26049	0.23560	0.24283	0.27487	10.602
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Pentachlorobenzene	0.48861	0.40393	0.42050	0.40899	0.40317	0.38693	0.40461	0.41668	7.974
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Butylatedhydroxytoluene	1.19720	1.04095	0.99330	0.97685	0.89378	0.77988	0.78639	0.95262	15.499
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
144 alpha-Terpineol	0.20333	0.18267	0.17306	0.16830	0.15310	0.14414	0.14638	0.16728	12.784
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 Acetophenone	0.47112	0.43077	0.44900	0.41885	0.42391	0.38242	0.39668	0.42468	7.057
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 1,4-Dioxane	0.42414	0.38659	0.38470	0.38545	0.38216	0.36299	0.37185	0.38541	4.967
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 2,3,4,6-Tetrachlorophenol	0.25519	0.28418	0.30668	0.32679	0.31590	0.31226	0.32321	0.30346	8.378

Analytical Resources, Inc.

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Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
178 2-Benzyl-4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
118 Triphenyl Phosphate	0.21448	0.19694	0.20258	0.20992	0.19726	0.19550	0.20200	0.20267	3.524
117 Butyl Diphenyl Phosphate	0.20655	0.19943	0.20154	0.21935	0.20468	0.19710	0.20303	0.20453	3.550
116 Dibutyl Phenyl Phosphate	0.63142	0.63922	0.64164	0.65657	0.62011	0.59024	0.58599	0.62360	4.271
115 Tributyl Phosphate	0.82256	0.81058	0.82385	0.77329	0.73758	0.67365	0.67146	0.75899	8.759
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Diphenyl Oxide	1.27946	1.14210	1.08994	1.06974	1.02840	0.95213	0.97094	1.07610	10.365
112 Biphenyl	1.45512	1.34252	1.29488	1.25164	1.18585	1.05874	1.07159	1.23719	11.621

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
111 Azobenzene (1,2-DP-Hydrazine)	1.14006	1.05422	1.06029	0.98330	0.93779	0.85870	0.88505	0.98849	10.333
110 Tetrachloroguaiacol	0.11596	0.11133	0.11890	0.12191	0.11926	0.11335	0.11589	0.11666	3.126
109 3,4,5-Trichloroguaiacol	0.11049	0.11016	0.12312	0.12448	0.12647	0.12285	0.12207	0.11995	5.607
181 3,4,6-Trichloroguaiacol	0.12878	0.13256	0.14742	0.14807	0.14839	0.14105	0.14100	0.14104	5.542
108 4,5,6-Trichloroguaiacol	0.11309	0.11565	0.12736	0.12953	0.13025	0.12878	0.13208	0.12525	6.072
184 3,4-Dichloroguaiacol	0.18718	0.19558	0.20120	0.21429	0.21460	0.21416	0.22213	0.20702	6.072
107 4,5-Dichloroguaiacol	0.24994	0.26319	0.28360	0.28782	0.31885	0.31206	0.32256	0.29115	9.653
182 4,6-Dichloroguaiacol	0.26639	0.25087	0.25423	0.27031	0.24545	0.25236	0.25904	0.25695	3.442
185 4-Chloroguaiacol	0.52855	0.55087	0.58184	0.65330	0.62945	0.63641	0.65684	0.60532	8.508

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
106 Guaiacol	1.15403	1.10226	1.04007	1.07495	1.03019	1.00527		
	1.05597						1.06610	4.672
105 1-methylnaphthalene	0.73856	0.63642	0.64470	0.63475	0.63080	0.56290		
	0.57420						0.63176	9.061
151 1,2,4,5-Tetrachlorobenzene	0.60742	0.54668	0.51019	0.52365	0.49918	0.49132		
	0.50330						0.52596	7.664
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Phenol	1.52327	1.49036	1.44408	1.42057	1.27348	1.24736	1.25719	1.37947	8.499
4 Bis(2-Chloroethyl)ether	1.15389	1.05315	1.02928	1.02414	1.00496	0.95372	0.98212	1.02875	6.230
6 2-Chlorophenol	1.37703	1.36240	1.36527	1.36485	1.23335	1.24332	1.24328	1.31278	5.206
7 1,3-Dichlorobenzene	1.70982	1.50199	1.50118	1.48198	1.44634	1.37413	1.42568	1.49159	7.143
9 1,4-Dichlorobenzene	1.69819	1.51370	1.53118	1.50592	1.47489	1.38965	1.43221	1.50653	6.502
11 Benzyl alcohol	+++++	0.91223	0.79662	0.78505	0.73616	0.72469	0.73582	0.78176	8.991
12 1,2-Dichlorobenzene	1.58084	1.43971	1.41297	1.38858	1.37137	1.28892	1.33936	1.40311	6.593
13 2-Methylphenol	1.00242	1.11049	1.11324	1.09858	1.00909	1.01582	1.02716	1.05383	4.830

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
14 2,2'-oxybis(1-Chloropropane)	1.13408	1.01956	0.99179	0.96247	0.92361	0.85484	0.88281	0.96702	9.707
15 4-Methylphenol	1.07650	1.16260	1.11867	1.13237	1.04810	1.05052	1.06807	1.09383	4.048
16 N-Nitroso-di-n-propylamine	0.78726	0.74703	0.72321	0.71449	0.70269	0.67015	0.70434	0.72131	5.160
17 Hexachloroethane	0.59135	0.55760	0.55641	0.56043	0.55416	0.53089	0.55511	0.55799	3.172
19 Nitrobenzene	0.34489	0.32224	0.32158	0.30263	0.30059	0.27111	0.28230	0.30648	8.251
20 Isophorone	0.57278	0.51716	0.52559	0.50326	0.49812	0.45867	0.48724	0.50898	6.978
21 2-Nitrophenol	0.16195	0.18553	0.20346	0.20681	0.19423	0.19296	0.19540	0.19148	7.720
22 2,4-Dimethylphenol	0.34079	0.36339	0.36901	0.35409	0.32771	0.31174	0.31961	0.34090	6.502
23 Bis(2-Chloroethoxy)methane	0.40457	0.35984	0.36446	0.35658	0.34648	0.31829	0.33302	0.35475	7.699

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	RRF	% RSD	
	80.000 Level 7								
24 Benzoic acid	+++++	0.15013	0.22239	0.26771	0.26141	0.27115			
	0.28027						0.24218	20.377	<-
25 2,4-Dichlorophenol	0.25352	0.30103	0.32365	0.32634	0.30124	0.29644			
	0.29424						0.29949	8.019	
26 1,2,4-Trichlorobenzene	0.36782	0.33592	0.33834	0.33196	0.32979	0.31123			
	0.31968						0.33353	5.349	
28 Naphthalene	1.18074	1.01940	1.01451	0.96244	0.89659	0.77689			
	0.79230						0.94898	14.906	
29 4-Chloroaniline	0.39252	0.40069	0.40268	0.39409	0.37339	0.34529			
	0.34011						0.37840	6.924	
30 Hexachlorobutadiene	0.21745	0.18519	0.19378	0.18639	0.18753	0.17448			
	0.17979						0.18923	7.318	
31 4-Chloro-3-methylphenol	0.20393	0.27117	0.29842	0.30937	0.28574	0.27836			
	0.27550						0.27464	12.366	
32 2-Methylnaphthalene	0.74630	0.66270	0.66341	0.64960	0.63860	0.57380			
	0.58003						0.64492	9.012	
33 Hexachlorocyclopentadiene	0.19670	0.24178	0.28639	0.31893	0.32950	0.33112			
	0.34400						0.29263	18.716	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
34 2,4,6-Trichlorophenol	0.30819	0.35802	0.37214	0.38430	0.36043	0.36626	0.37085	0.36003	6.787
35 2,4,5-Trichlorophenol	0.24826	0.35083	0.38002	0.41048	0.38587	0.39121	0.39911	0.36654	15.105
37 2-Chloronaphthalene	1.24508	1.12343	1.11327	1.10426	1.06169	0.96578	1.00077	1.08775	8.398
38 2-Nitroaniline	0.14117	0.18570	0.22375	0.23754	0.22985	0.22602	0.22604	0.21001	16.476
39 Dimethylphthalate	1.45154	1.30059	1.32041	1.28013	1.23687	1.16414	1.19011	1.27768	7.480
40 Acenaphthylene	1.94865	1.75474	1.75306	1.67242	1.55992	1.38771	1.40886	1.64077	12.334
41 2,6-Dinitrotoluene	0.24350	0.27750	0.29856	0.30488	0.30145	0.28576	0.30088	0.28751	7.563
43 3-Nitroaniline	0.26688	0.27225	0.29172	0.27509	0.24490	0.21809	0.20565	0.25351	12.551
44 Acenaphthene	1.24498	1.09893	1.11201	1.06610	1.03099	0.94431	0.98045	1.06825	9.248

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD	
45 2,4-Dinitrophenol	+++++	0.03672	0.10442	0.16137	0.17851	0.19947	0.20969	0.14836	44.553	<-
46 Dibenzofuran	1.64581	1.49192	1.49840	1.42404	1.35991	1.25954	1.28807	1.42396	9.465	
47 4-Nitrophenol	0.14176	0.14832	0.18103	0.19488	0.19349	0.19799	0.19695	0.17920	13.431	
48 2,4-Dinitrotoluene	0.28796	0.35208	0.40205	0.40448	0.40680	0.39051	0.40980	0.37910	11.820	
49 Fluorene	1.44497	1.29959	1.31553	1.25982	1.17937	1.05063	1.07434	1.23204	11.392	
50 Diethylphthalate	1.57307	1.36806	1.41182	1.31777	1.26768	1.13760	1.17582	1.32169	11.204	
51 4-Chlorophenyl-phenylether	0.69474	0.61629	0.61711	0.60255	0.58436	0.52633	0.54152	0.59756	9.315	
52 4-Nitroaniline	0.28107	0.27988	0.27202	0.26389	0.27732	0.26889	0.27942	0.27464	2.371	
53 4,6-Dinitro-2-methylphenol	+++++	0.08845	0.12548	0.14855	0.14840	0.15739	0.15973	0.13800	19.657	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
54 N-Nitrosodiphenylamine	0.59897	0.56644	0.58454	0.56521	0.56824	0.52773		
	0.53790						0.56415	4.382
56 4-Bromophenyl-phenylether	0.21096	0.20155	0.21106	0.20521	0.20601	0.19314		
	0.20319						0.20445	3.008
57 Hexachlorobenzene	0.24169	0.20966	0.21365	0.20517	0.20414	0.19121		
	0.20035						0.20941	7.598
58 Pentachlorophenol	+++++	0.12236	0.13905	0.15024	0.14329	0.14966		
	0.15151						0.14268	7.744
60 Phenanthrene	1.26953	1.07829	1.08369	1.03854	0.98609	0.89265		
	0.90371						1.03607	12.407
61 Anthracene	1.26876	1.10675	1.12399	1.07407	1.02212	0.90794		
	0.91554						1.05988	11.902
62 Carbazole	1.14479	1.01093	0.98838	0.94710	0.92667	0.85605		
	0.86786						0.96311	10.213
63 Di-n-butylphthalate	1.39044	1.32866	1.35805	1.29164	1.18853	1.02048		
	1.01833						1.22802	12.705
64 Fluoranthene	1.23295	1.10063	1.14509	1.10131	1.07018	0.93571		
	0.92842						1.07347	10.212

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
65 Pyrene	1.54895	1.32386	1.30232	1.29301	1.19639	1.08660	1.12621	1.26819	12.130
67 Butylbenzylphthalate	0.63232	0.62704	0.69192	0.67226	0.65120	0.60529	0.62513	0.64359	4.672
68 Benzo(a)anthracene	1.39978	1.20719	1.24065	1.17611	1.11630	1.01634	1.05028	1.17238	11.012
70 3,3'-Dichlorobenzidine	0.36883	0.40238	0.42289	0.39897	0.37590	0.34353	0.34172	0.37917	8.081
71 Chrysene	1.38365	1.19972	1.21395	1.15816	1.07914	0.97665	1.02095	1.14746	11.954
72 bis(2-Ethylhexyl)phthalate	0.53161	0.56815	0.61721	0.58487	0.58969	0.54278	0.54044	0.56782	5.521
73 Di-n-octylphthalate	1.26596	1.05129	1.06355	0.99565	0.93391	0.82830	0.82184	0.99436	15.514
74 Benzo(b)fluoranthene	1.40393	1.29239	1.31290	1.21076	1.20926	1.06436	1.22076	1.24491	8.538
75 Benzo(k)fluoranthene	1.53572	1.29180	1.33244	1.33678	1.21455	1.11293	1.00320	1.26106	13.651

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
187 Total Benzofluoranthenes	1.38210	1.22664	1.24385	1.19904	1.14180	1.02417	1.04387	1.18021	10.477
76 Benzo(a)pyrene	1.23441	1.10443	1.13165	1.12539	1.08511	1.00857	1.04071	1.10432	6.582
78 Indeno(1,2,3-cd)pyrene	1.10926	1.07903	1.19493	1.24464	1.26134	1.17723	1.23424	1.18581	5.856
79 Dibenzo(a,h)anthracene	0.81878	0.86277	0.96765	1.02741	1.03845	0.95450	1.00345	0.95329	8.751
80 Benzo(g,h,i)perylene	0.94422	0.90041	1.05378	1.04646	1.07844	1.01381	1.05822	1.01362	6.558
90 N-Nitrosodimethylamine	0.64783	0.59968	0.56719	0.58049	0.56446	0.53912	0.57962	0.58263	5.869
91 Aniline	1.66497	1.54617	1.49097	1.44064	1.35252	1.27767	1.30611	1.43987	9.674
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Benzidine	0.42376	0.43565	0.41475	0.34689	0.33093	0.31136	0.30159	0.36642	15.475

Analytical Resources, Inc.

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Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 Retene	0.45889	0.42060	0.41951	0.43772	0.41600	0.40302	0.41927	0.42500	4.249
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 Pyridine	0.90268	0.95399	1.04225	1.06515	1.04732	0.97877	1.04329	1.00478	6.029
$ 1 2-Fluorophenol	1.16448	1.12400	1.01131	1.14250	1.05748	1.03186	1.05437	1.08371	5.470

Analytical Resources, Inc.

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
$ 137 d8-1,4-Dioxane	0.43005	0.40873	0.39728	0.39731	0.39810	0.37989	0.39506	0.40092	3.838
$ 2 Phenol-d5	1.09019	1.11643	1.02349	1.12745	1.05098	1.00985	1.04391	1.06604	4.295
$ 5 2-Chlorophenol-d4	1.21573	1.17992	1.08812	1.18777	1.11736	1.08778	1.13033	1.14386	4.448
$ 10 1,2-Dichlorobenzene-d4	0.97264	0.91430	0.80244	0.85219	0.81452	0.79829	0.81850	0.85327	7.758
$ 18 Nitrobenzene-d5	0.32597	0.33013	0.31174	0.31824	0.30824	0.28032	0.29218	0.30955	5.796
$ 36 2-Fluorobiphenyl	1.46388	1.33164	1.17402	1.25846	1.16251	1.07975	1.10556	1.22512	11.123
$ 55 2,4,6-Tribromophenol	0.11310	0.14211	0.14091	0.15595	0.14884	0.14537	0.15489	0.14302	10.084
$ 66 Terphenyl-d14	0.93602	0.81779	0.74164	0.80245	0.72726	0.68592	0.70996	0.77444	11.066
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
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Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing

AZ 07/20/10

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	80 Level 7										
23 Bis(2-Chloroethoxy)methane	0.40457	0.35984	0.36446	0.35658	0.34648	0.31829					
	0.33302						AVRG		0.35475		7.69914
24 Benzoic acid	+++++	76277	295968	865635	1401298	2377813					
	2519498						LINR	0.000e+00	0.27416		0.99624
25 2,4-Dichlorophenol	0.25352	0.30103	0.32365	0.32634	0.30124	0.29644					
	0.29424						AVRG		0.29949		8.01880
26 1,2,4-Trichlorobenzene	0.36782	0.33592	0.33834	0.33196	0.32979	0.31123					
	0.31968						AVRG		0.33353		5.34949
28 Naphthalene	1.18074	1.01940	1.01451	0.96244	0.89659	0.77689					
	0.79230						AVRG		0.94898		14.90588
29 4-Chloroaniline	0.39252	0.40069	0.40268	0.39409	0.37339	0.34529					
	0.34011						AVRG		0.37840		6.92405
30 Hexachlorobutadiene	0.21745	0.18519	0.19378	0.18639	0.18753	0.17448					
	0.17979						AVRG		0.18923		7.31839

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
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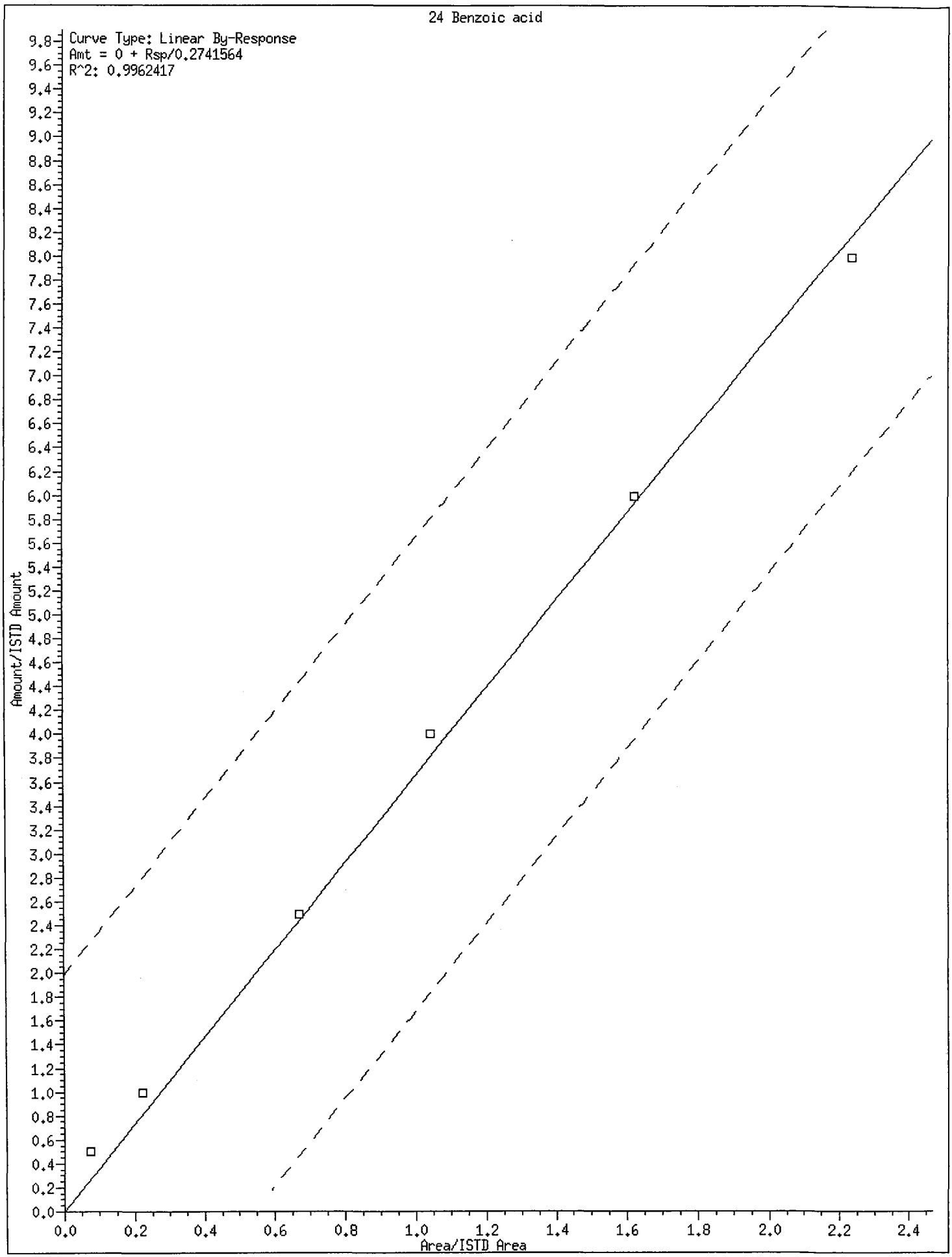
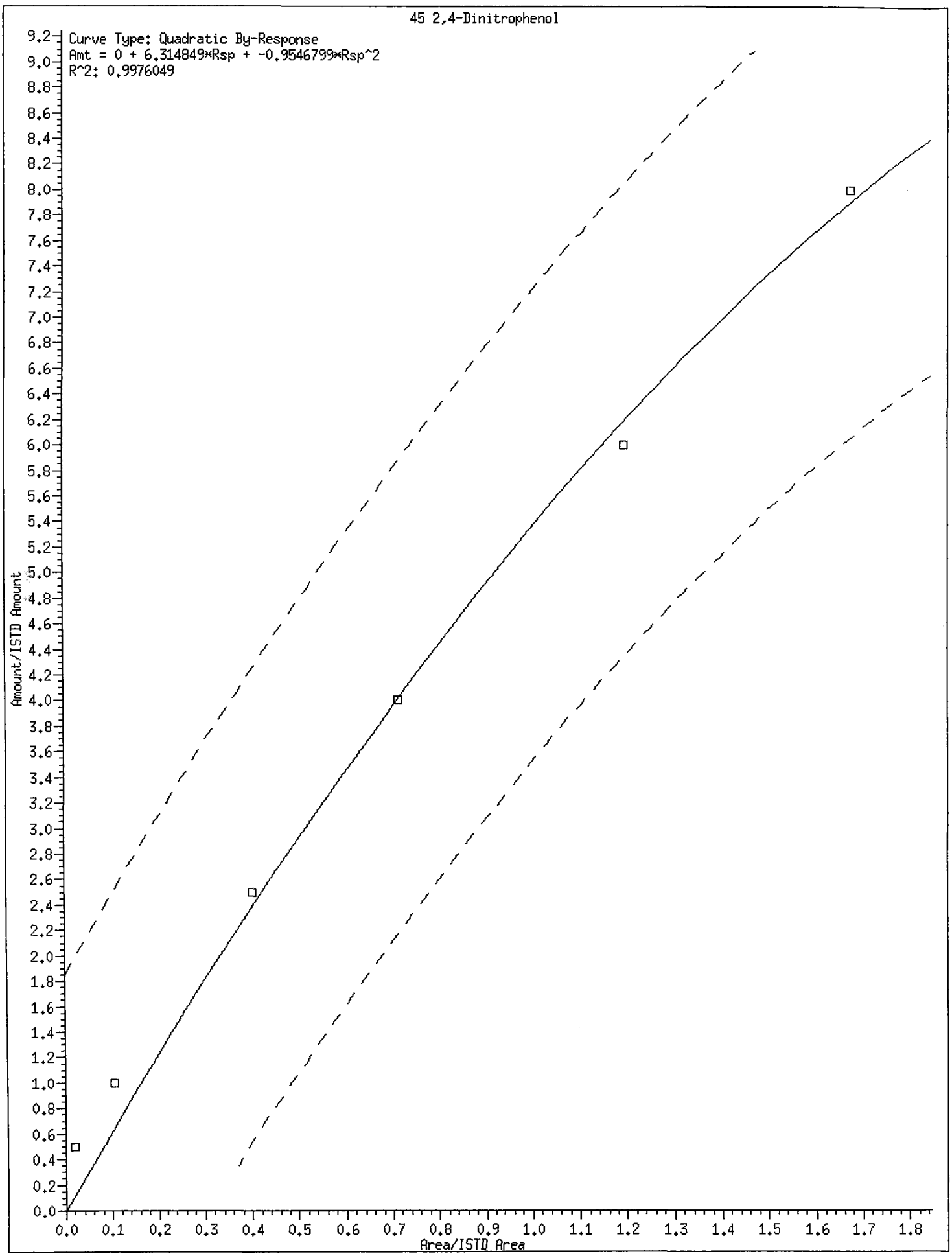
Cal Date : 20-Jul-2010 18:52 jianqing

07/20/10

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	80 Level 7										
39 Dimethylphthalate	1.45154	1.30059	1.32041	1.28013	1.23687	1.16414					
	1.19011						AVRG		1.27768		7.48035
40 Acenaphthylene	1.94865	1.75474	1.75306	1.67242	1.55992	1.38771					
	1.40886						AVRG		1.64077		12.33449
41 2,6-Dinitrotoluene	0.24350	0.27750	0.29856	0.30488	0.30145	0.28576					
	0.30088						AVRG		0.28751		7.56349
43 3-Nitroaniline	0.26688	0.27225	0.29172	0.27509	0.24490	0.21809					
	0.20565						AVRG		0.25351		12.55145
44 Acenaphthene	1.24498	1.09893	1.11201	1.06610	1.03099	0.94431					
	0.98045						AVRG		1.06825		9.24750
45 2,4-Dinitrophenol ✓	+++++	10990	84130	317048	599293	1050607	✓				
	1116227						QUAD	0.000e+00	6.31485	-0.95468	0.99760
46 Dibenzofuran	1.64581	1.49192	1.49840	1.42404	1.35991	1.25954					
	1.28807						AVRG		1.42396		9.46465


24 Benzoic acid
Curve Type: Linear By-Response
Amt = 0 + Rsp/0.2741564
R^2: 0.9962417
Amount/ISTD Amount
Area/ISTD Area
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4


45 2,4-Dinitrophenol
Curve Type: Quadratic By-Response
Amt = 0 + 6.314849*Rsp + -0.9546799*Rsp^2
R^2: 0.9976049
Amount/ISTD Amount
Area/ISTD Area
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4 6.6 6.8 7.0 7.2 7.4 7.6 7.8 8.0 8.2 8.4 8.6 8.8 9.0 9.2

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-JUL-2010 16:18
End Cal Date : 19-JUL-2010 19:48
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt4.i/20100719.b/SW846100719.m
Cal Date : 20-Jul-2010 18:52 jianqing

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Batch File: /chem3/nt4.i/20100719.b
Inst ID: nt4.i

07/20/10

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	07191001	07191002	07191003	07191004	07191005	07191006	07191007
INJ.DATE:	19-JUL-2010	19-JUL-2010	19-JUL-2010	19-JUL-2010	19-JUL-2010	19-JUL-2010	19-JUL-2010
INJ.TIME:	16:18	16:56	17:33	18:07	18:41	19:14	19:48

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	6.736	6.727	6.724	6.731	6.738	6.742	6.737	6.736	3.736-9.736	6.734	0.006
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.584	13.584-19.584	+++++	+++++
179 n-Decane	8.498	8.495	8.498	8.500	8.500	8.504	8.505	8.498	5.498-11.498	8.500	0.003
180 n-Octadecane	15.876	15.874	15.876	15.878	15.879	15.882	15.883	15.876	12.876-18.876	15.878	0.003
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.531	15.531-21.531	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.634	13.634-19.634	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.863	13.863-19.863	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.605	17.605-23.605	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.015	14.015-20.015	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.562	14.562-20.562	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.654	6.654-12.654	+++++	+++++
168 Pentachlorobenzene	13.985	13.976	13.979	13.981	13.987	13.991	13.992	13.985	10.985-16.985	13.984	0.006
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: 7/22/10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Batch File: /chem3/nt4.i/20100719.b
Inst ID: nt4.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.269	36.269-42.269	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
$ 137 d8-1,4-Dioxane	3.440	3.420	3.417	3.448	3.448	3.452	3.424	3.440	0.440-6.440	3.436	0.015
* 134 Di-n-octylphthalate-d4	21.451	21.449	21.451	21.447	21.453	21.457	21.458	21.451	18.451-24.451	21.452	0.004
133 Butylatedhydroxytoluen	13.768	13.765	13.767	13.763	13.770	13.773	13.774	13.768	10.768-16.768	13.769	0.004
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	10.783	10.775	10.777	10.773	10.786	10.789	10.790	10.783	7.783-13.783	10.782	0.007
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

Analytical Resources, Inc.
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Method File: /chem3/nt4.i/20100719.b/SW846100719.m
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Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	9.379	9.371	9.373	9.375	9.382	9.391	9.392	9.379	6.379-12.379	9.380	0.008
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	3.511	3.485	3.487	3.512	3.513	3.522	3.494	3.511	0.511-6.511	3.504	0.015
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	14.214	14.211	14.214	14.210	14.216	14.220	14.221	14.214	11.214-17.214	14.215	0.004
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	12.282	9.282-15.282	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	19.859	19.857	19.853	19.855	19.861	19.865	19.866	19.859	16.859-22.859	19.860	0.005
117 Butyl Diphenyl Phospha	18.238	18.235	18.232	18.234	18.240	18.244	18.245	18.238	15.238-21.238	18.238	0.005
116 Dibutyl Phenyl Phospha	16.529	16.526	16.528	16.524	16.531	16.534	16.535	16.529	13.529-19.529	16.530	0.004
115 Tributyl Phosphate	14.778	14.769	14.766	14.768	14.792	14.801	14.802	14.778	11.778-17.778	14.782	0.016
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	12.863	12.860	12.863	12.864	12.865	12.869	12.870	12.863	9.863-15.863	12.865	0.003
112 Biphenyl	12.675	12.672	12.675	12.671	12.677	12.681	12.682	12.675	9.675-15.675	12.676	0.004
111 Azobenzene (1,2-DP-Hyd	14.766	14.758	14.760	14.762	14.774	14.778	14.779	14.766	11.766-17.766	14.768	0.009
110 Tetrachloroguaiacol	15.959	15.950	15.947	15.948	15.961	15.970	15.971	15.959	12.959-18.959	15.958	0.010
109 3,4,5-Trichloroguaiaco	14.308	14.305	14.302	14.304	14.310	14.314	14.315	14.308	11.308-17.308	14.308	0.005
181 3,4,6-Trichloroguaiaco	14.431	14.429	14.425	14.427	14.434	14.437	14.444	14.431	11.431-17.431	14.432	0.006
108 4,5,6-Trichloroguaiaco	15.342	15.339	15.342	15.338	15.344	15.353	15.349	15.342	12.342-18.342	15.344	0.006
184 3,4-Dichloroguaiacol	12.757	12.754	12.751	12.753	12.759	12.763	12.764	12.757	9.757-15.757	12.757	0.005
107 4,5-Dichloroguaiacol	13.539	13.530	13.527	13.528	13.541	13.544	13.545	13.539	10.539-16.538	13.536	0.008
182 4,6-Dichloroguaiacol	13.568	13.559	13.562	13.563	13.570	13.579	13.580	13.568	10.568-16.568	13.569	0.008
185 4-Chloroguaiacol	11.653	11.650	11.653	11.648	11.655	11.658	11.660	11.653	8.653-14.653	11.654	0.004

Analytical Resources, Inc.
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Inst ID: nt4.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	9.638	9.629	9.632	9.633	9.640	9.644	9.645	9.638	6.638-12.638	9.637	0.006
105 1-methylnaphthalene	12.076	12.073	12.070	12.071	12.078	12.081	12.082	12.076	9.076-15.076	12.076	0.005
151 1,2,4,5-Tetrachloroben	12.240	12.237	12.234	12.236	12.242	12.246	12.247	12.240	9.240-15.240	12.240	0.005
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.442	20.442-26.442	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.968	18.968-24.968	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.466	20.466-26.466	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.866	19.866-25.866	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.413	20.413-26.413	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.952	21.952-27.952	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.721	18.721-24.721	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.159	15.159-21.159	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
$ 2 Phenol-d5	8.216	8.208	8.210	8.212	8.224	8.228	8.229	8.216	5.216-11.216	8.218	0.009
3 Phenol	8.234	8.225	8.228	8.229	8.242	8.251	8.252	8.234	5.234-11.234	8.237	0.011
4 Bis(2-Chloroethyl)ethe	8.346	8.337	8.339	8.341	8.348	8.351	8.352	8.346	5.346-11.346	8.345	0.006
$ 5 2-Chlorophenol-d4	8.387	8.384	8.386	8.388	8.395	8.398	8.393	8.387	5.387-11.387	8.390	0.005

Analytical Resources, Inc.
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Method File: /chem3/nt4.i/20100719.b/SW846100719.m
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Inst ID: nt4.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	6 2-Chlorophenol	8.416	8.407	8.410	8.412	8.418	8.422	8.423	8.416	5.416-11.416	8.415	0.006
	7 1,3-Dichlorobenzene	8.633	8.631	8.633	8.635	8.636	8.639	8.640	8.633	5.633-11.633	8.635	0.003
*	8 1,4-Dichlorobenzene-d4	8.698	8.689	8.692	8.694	8.694	8.698	8.699	8.698	5.698-11.698	8.695	0.004
	9 1,4-Dichlorobenzene	8.721	8.713	8.715	8.717	8.724	8.721	8.722	8.721	5.721-11.721	8.719	0.004
$	10 1,2-Dichlorobenzene-d4	8.998	8.995	8.991	8.993	9.000	8.997	8.998	8.998	5.998-11.998	8.996	0.003
	11 Benzyl alcohol	8.956	8.948	8.944	8.952	8.959	8.968	8.969	8.956	5.956-11.956	8.957	0.009
	12 1,2-Dichlorobenzene	9.015	9.012	9.015	9.017	9.017	9.021	9.022	9.015	6.015-12.015	9.017	0.003
	13 2-Methylphenol	9.174	9.159	9.162	9.164	9.176	9.179	9.181	9.174	6.174-12.174	9.171	0.009
	14 2,2'-oxybis(1-Chloropr	9.209	9.206	9.203	9.205	9.211	9.215	9.216	9.209	6.209-12.209	9.209	0.005
	15 4-Methylphenol	9.397	9.388	9.391	9.393	9.405	9.414	9.415	9.397	6.397-12.397	9.401	0.011
	16 N-Nitroso-di-n-propyla	9.426	9.418	9.414	9.422	9.434	9.444	9.445	9.426	6.426-12.426	9.429	0.012
	17 Hexachloroethane	9.509	9.506	9.508	9.504	9.511	9.508	9.509	9.509	6.509-12.509	9.508	0.002
$	18 Nitrobenzene-d5	9.620	9.612	9.614	9.616	9.622	9.626	9.627	9.620	6.620-12.620	9.620	0.006
	19 Nitrobenzene	9.650	9.641	9.644	9.645	9.652	9.661	9.662	9.650	6.650-12.650	9.651	0.008
	20 Isophorone	10.026	10.017	10.014	10.015	10.028	10.037	10.038	10.026	7.026-13.026	10.025	0.010
	21 2-Nitrophenol	10.167	10.164	10.160	10.162	10.169	10.172	10.173	10.167	7.167-13.167	10.167	0.005
	22 2,4-Dimethylphenol	10.243	10.234	10.237	10.239	10.245	10.254	10.256	10.243	7.243-13.243	10.244	0.008
	23 Bis(2-Chloroethoxy)met	10.396	10.393	10.390	10.391	10.398	10.407	10.408	10.396	7.396-13.396	10.398	0.007
	24 Benzoic acid	10.466	10.317	10.354	10.397	10.509	10.560	10.567	10.466	7.466-13.466	10.453	0.099
	25 2,4-Dichlorophenol	10.543	10.534	10.531	10.538	10.545	10.548	10.549	10.543	7.543-13.543	10.541	0.007
	26 1,2,4-Trichlorobenzene	10.684	10.675	10.677	10.679	10.680	10.683	10.684	10.684	7.684-13.684	10.680	0.004
*	27 Naphthalene-d8	10.742	10.739	10.742	10.744	10.744	10.748	10.749	10.742	7.742-13.742	10.744	0.003
	28 Naphthalene	10.778	10.769	10.771	10.773	10.780	10.783	10.784	10.778	7.778-13.778	10.777	0.006
	29 4-Chloroaniline	10.901	10.898	10.895	10.896	10.903	10.907	10.908	10.901	7.901-13.901	10.901	0.005

Analytical Resources, Inc.
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Method File: /chem3/nt4.i/20100719.b/SW846100719.m
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	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	30 Hexachlorobutadiene	11.083	11.080	11.083	11.084	11.085	11.083	11.084	11.083	8.083-14.083	11.083	0.002
	31 4-Chloro-3-methylpheno	11.694	11.691	11.688	11.690	11.696	11.700	11.701	11.694	8.694-14.694	11.694	0.005
	32 2-Methylnaphthalene	11.900	11.897	11.893	11.895	11.902	11.905	11.906	11.900	8.900-14.900	11.900	0.005
	33 Hexachlorocyclopentadi	12.281	12.273	12.275	12.277	12.278	12.281	12.282	12.281	9.281-15.281	12.278	0.004
	34 2,4,6-Trichlorophenol	12.405	12.402	12.404	12.400	12.407	12.410	12.411	12.405	9.405-15.405	12.406	0.004
	35 2,4,5-Trichlorophenol	12.463	12.461	12.457	12.459	12.466	12.469	12.470	12.463	9.463-15.463	12.464	0.005
$	36 2-Fluorobiphenyl	12.540	12.531	12.534	12.535	12.536	12.540	12.541	12.540	9.540-15.540	12.537	0.004
	37 2-Chloronaphthalene	12.687	12.684	12.686	12.682	12.689	12.698	12.699	12.687	9.687-15.687	12.689	0.007
	38 2-Nitroaniline	12.910	12.901	12.904	12.906	12.912	12.921	12.923	12.910	9.910-15.910	12.911	0.008
	39 Dimethylphthalate	13.268	13.260	13.262	13.264	13.276	13.286	13.287	13.268	10.268-16.268	13.272	0.011
	40 Acenaphthylene	13.374	13.371	13.374	13.370	13.376	13.380	13.381	13.374	10.374-16.374	13.375	0.004
	41 2,6-Dinitrotoluene	13.374	13.365	13.362	13.364	13.376	13.380	13.387	13.374	10.374-16.374	13.372	0.009
*	42 Acenaphthene-d10	13.627	13.624	13.626	13.628	13.629	13.632	13.633	13.627	10.627-16.627	13.628	0.003
	43 3-Nitroaniline	13.591	13.583	13.579	13.587	13.599	13.609	13.610	13.591	10.591-16.591	13.594	0.012
	44 Acenaphthene	13.679	13.677	13.673	13.675	13.682	13.691	13.686	13.679	10.679-16.679	13.680	0.006
	45 2,4-Dinitrophenol	13.756	13.741	13.744	13.751	13.764	13.779	13.780	13.756	10.756-16.756	13.759	0.016
	46 Dibenzofuran	13.944	13.935	13.938	13.939	13.946	13.949	13.951	13.944	10.944-16.944	13.943	0.006
	47 4-Nitrophenol	13.867	13.859	13.855	13.857	13.870	13.879	13.880	13.867	10.867-16.867	13.867	0.010
	48 2,4-Dinitrotoluene	14.008	14.000	13.996	13.998	14.011	14.020	14.021	14.008	11.008-17.008	14.008	0.010
	49 Fluorene	14.508	14.499	14.502	14.497	14.510	14.513	14.514	14.508	11.508-17.508	14.506	0.007
	50 Diethylphthalate	14.431	14.417	14.419	14.421	14.434	14.437	14.438	14.431	11.431-17.431	14.428	0.009
	51 4-Chlorophenyl-phenyle	14.514	14.505	14.508	14.509	14.516	14.519	14.514	14.514	11.514-17.514	14.512	0.005
	52 4-Nitroaniline	14.596	14.581	14.584	14.586	14.610	14.625	14.626	14.596	11.596-17.596	14.601	0.019
	53 4,6-Dinitro-2-methylph	14.672	14.664	14.660	14.662	14.680	14.695	14.697	14.672	11.672-17.672	14.676	0.015

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Inst ID: nt4.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	54 N-Nitrosodiphenylamine	14.713	14.711	14.707	14.709	14.721	14.731	14.732	14.713	11.713-17.713	14.718	0.010
$	55 2,4,6-Tribromophenol	14.931	14.922	14.925	14.920	14.933	14.936	14.937	14.931	11.931-17.931	14.929	0.007
	56 4-Bromophenyl-phenylet	15.301	15.298	15.301	15.296	15.303	15.306	15.308	15.301	12.301-18.301	15.302	0.004
	57 Hexachlorobenzene	15.542	15.533	15.536	15.537	15.544	15.547	15.548	15.542	12.542-18.542	15.541	0.006
	58 Pentachlorophenol	15.830	15.827	15.823	15.825	15.832	15.841	15.842	15.830	12.830-18.830	15.831	0.007
*	59 Phenanthrene-d10	16.029	16.021	16.023	16.025	16.031	16.035	16.036	16.029	13.029-19.029	16.029	0.006
	60 Phenanthrene	16.064	16.056	16.058	16.060	16.073	16.076	16.077	16.064	13.064-19.064	16.066	0.009
	61 Anthracene	16.141	16.132	16.135	16.136	16.143	16.152	16.153	16.141	13.141-19.141	16.142	0.008
	62 Carbazole	16.411	16.408	16.405	16.407	16.413	16.423	16.424	16.411	13.411-19.411	16.413	0.007
	63 Di-n-butylphthalate	17.093	17.084	17.086	17.088	17.095	17.092	17.093	17.093	14.092-20.093	17.090	0.004
	64 Fluoranthene	18.021	18.012	18.015	18.016	18.023	18.026	18.027	18.021	15.021-21.021	18.020	0.006
	65 Pyrene	18.385	18.376	18.379	18.380	18.387	18.396	18.397	18.385	15.385-21.385	18.386	0.008
$	66 Terphenyl-d14	18.667	18.664	18.667	18.662	18.669	18.672	18.674	18.667	15.667-21.667	18.668	0.004
	67 Butylbenzylphthalate	19.536	19.528	19.530	19.532	19.538	19.542	19.543	19.536	16.536-22.536	19.536	0.006
	68 Benzo(a)anthracene	20.353	20.344	20.347	20.348	20.361	20.364	20.365	20.353	17.353-23.353	20.355	0.009
*	69 Chrysene-d12	20.382	20.374	20.376	20.378	20.384	20.388	20.389	20.382	17.382-23.382	20.381	0.006
	70 3,3'-Dichlorobenzidine	20.341	20.338	20.335	20.337	20.343	20.347	20.348	20.341	17.341-23.341	20.341	0.005
	71 Chrysene	20.423	20.415	20.411	20.413	20.425	20.435	20.436	20.423	17.423-23.423	20.423	0.010
	72 bis(2-Ethylhexyl)phtha	20.517	20.515	20.511	20.513	20.514	20.517	20.518	20.517	17.517-23.517	20.515	0.003
	73 Di-n-octylphthalate	21.463	21.454	21.457	21.459	21.465	21.469	21.470	21.463	18.463-24.463	21.462	0.006
	74 Benzo(b)fluoranthene	22.021	22.012	22.015	22.017	22.029	22.038	22.040	22.021	19.021-25.021	22.025	0.011
	75 Benzo(k)fluoranthene	22.056	22.048	22.044	22.046	22.064	22.074	22.075	22.056	19.056-25.056	22.058	0.013
	187 Total Benzofluoranthen	22.056	22.012	22.044	22.046	22.064	22.074	22.075	22.056	19.056-25.056	22.053	0.022
	76 Benzo(a)pyrene	22.491	22.482	22.485	22.481	22.499	22.508	22.510	22.491	19.491-25.491	22.494	0.012

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Batch File: /chem3/nt4.i/20100719.b
Inst ID: nt4.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
*	77 Perylene-d12	22.579	22.571	22.573	22.575	22.575	22.579	22.580	22.579	19.579-25.579	22.576	0.004
	78 Indeno(1,2,3-cd)pyrene	24.424	24.403	24.406	24.413	24.438	24.453	24.454	24.424	21.424-27.424	24.427	0.021
	79 Dibenzo(a,h)anthracene	24.447	24.421	24.429	24.431	24.455	24.471	24.477	24.447	21.447-27.447	24.447	0.022
	80 Benzo(g,h,i)perylene	24.958	24.926	24.929	24.936	24.972	24.987	24.989	24.958	21.958-27.958	24.957	0.027
$	85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
$	86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
$	87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
$	88 Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
$	89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
	90 N-Nitrosodimethylamine	4.280	4.260	4.257	4.276	4.288	4.298	4.281	4.280	1.280-7.280	4.277	0.015
	91 Aniline	8.246	8.237	8.240	8.241	8.248	8.251	8.252	8.246	5.246-11.246	8.245	0.006
	92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
	93 Benzidine	18.250	18.247	18.244	18.245	18.252	18.255	18.251	18.250	15.250-21.250	18.249	0.004
$	95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
	96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
	97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
	98 Retene	18.925	18.923	18.925	18.921	18.927	18.931	18.932	18.925	15.925-21.925	18.926	0.004
	99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.125	28.125-34.125	+++++	+++++
	100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.475	21.475-27.475	+++++	+++++
	101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.481	21.481-27.481	+++++	+++++
	102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
	103 Pyridine	4.251	4.272	4.245	4.258	4.253	4.257	4.240	4.251	1.251-7.251	4.254	0.010

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem3/nt4.i/20100719.b

ARI Job No.: IC25 Method: SW846100719.m Instrument: nt4.i Date: 19-JUL-2010

07/21/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1618	07191001.d	IC250719	IC250719	1	NO MANUAL INTEGRATION
1656	07191002.d	IC010719	IC010719	1	Benzoic acid, 3-Nitroaniline, 4-Nitrophenol, 4-Nitroaniline, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, Benzidine, Pyridine, Total Benzofluoranthenes, 1,2-Dichlorobenzene-d4,
1733	07191003.d	IC050719	IC050719	1	NO MANUAL INTEGRATION
1807	07191004.d	IC100719	IC100719	1	NO MANUAL INTEGRATION
1841	07191005.d	IC400719	IC400719	1	NO MANUAL INTEGRATION
1914	07191006.d	IC600719	IC600719	1	Benzoic acid,
1948	07191007.d	IC800719	IC800719	1	Benzoic acid, 4-Nitrophenol,
2021	07191008.d	ICV0719	ICV0719	1	NO MANUAL INTEGRATION

R5C96952

Analytical Resources Inc.: Organics Instrument Log

19 NT-4 Serial No.: GC = US00010849; MS = US72821113

Date: 7/16/10 Analysis: 8270 Analyst: JB

GC Program: ABN Column No: 172294 Column Type: ZB-5MS

Instrument Tune (.U or .CT.): 100716 EM Voltage: 1353

Calibration File: 07191001 Curve Date: ~~7/16/10~~ 7/19/10 JB

IS/SS	Ical/Ccal	LCS/ICV
1627-1	17473, 1733-1	1751-3, 1713-1
	~~1735-1~~, ~~1736-1~~	~~1721-2~~, ~~1720-1~~
	~~15019~~, ~~1740-2~~	~~15019~~, 1740-2

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt4.i/20100719.b

	Time	Filename	LabID	ClientId	DF													
1	1618	07191001.d	IC250719	IC250719	1	8.70	356478	10.74	1293412	13.63	785897	16.03	1313990	20.38	1155293	22.58	1146289	21.45	1825297
2	1656	07191002.d	IC010719	IC010719	1	8.69	290756	10.74	1025728	13.62	609037	16.02	1031072	20.37	888098	22.57	896867	21.45	1405493
3	1733	07191003.d	IC050719	IC050719	1	8.69	280196	10.74	1016171	13.63	598563	16.02	1007780	20.38	879562	22.57	872109	21.45	1375669
4	1807	07191004.d	IC100719	IC100719	1	8.69	386803	10.74	1330824	13.63	805701	16.02	1335679	20.38	1209826	22.57	1193862	21.45	1905755
5	1841	07191005.d	IC400719	IC400719	1	8.69	381018	10.74	1340154	13.63	839318	16.03	1371590	20.38	1264495	22.58	1213809	21.45	1902533
6	1914	07191006.d	IC600719	IC600719	1	8.70	397320	10.75	1461536	13.63	877821	16.03	1448224	20.39	1294779	22.58	1277873	21.46	1930038
7	1948	07191007.d	IC800719	IC800719	1	8.70	300879	10.75	1123708	13.63	665405	16.04	1124245	20.39	968321	22.58	976271	21.46	1492891
8	2021	07191008.d	ICV0719	ICV0719	1	8.69	289791	10.74	1041288	13.62	632100	16.03	1057026	20.38	945392	22.57	894258	21.45	1458222

JB 07/21/10

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Data File: /chem3/nt4.i/20100719.b/tune.b/07191001.d

Date : 19-JUL-2010 16:18

Client ID: DFTPP0719

Instrument: nt4.i

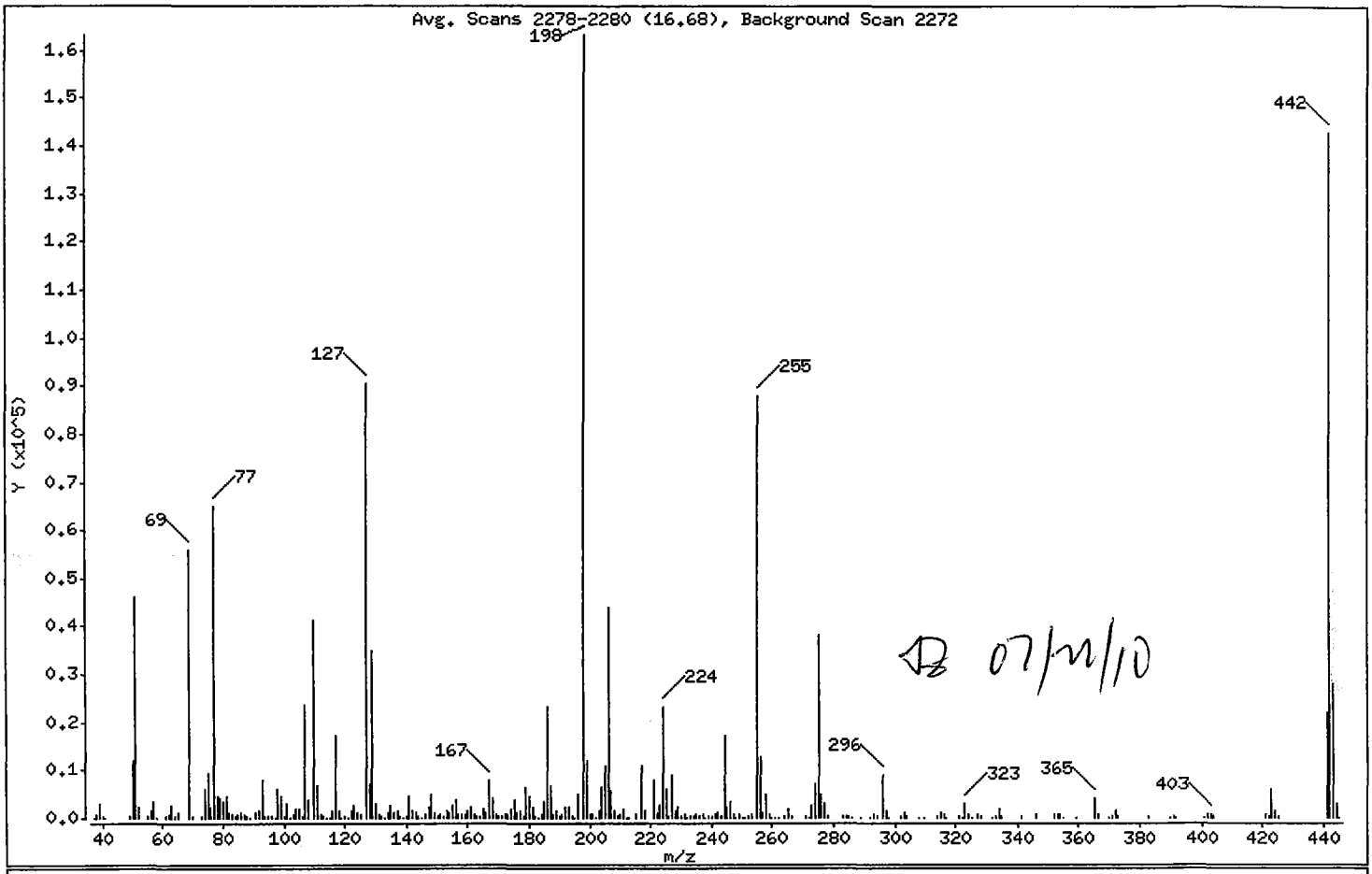
Sample Info: DFTPP0719

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



DB 07/21/10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	28.30
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	34.18
70	Less than 2.00% of mass 69	0.18 (0.54)
127	10.00 - 80.00% of mass 198	55.45
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.26
275	10.00 - 60.00% of mass 198	23.41
365	Greater than 1.00% of mass 198	2.50
441	0.01 - 24.00% of mass 442	13.47 (15.37)
442	50.00 - 200.00% of mass 198	87.66
443	15.00 - 24.00% of mass 442	17.32 (19.76)

Data File: /chem3/nt4.i/20100719.b/tune.b/07191001.d

Date : 19-JUL-2010 16:18

Client ID: DFTPP0719 Instrument: nt4.i

Sample Info: DFTPP0719

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07191001.d
Spectrum: Avg. Scans 2278-2280 (16.68), Background Scan 2272
Location of Maximum: 198.00
Number of points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	119	124.00	1068	194.00	516	274.00	6952
38.00	626	125.00	928	195.00	74	275.00	38240
39.00	3155	127.00	90568	196.00	4842	276.00	4902
40.00	240	128.00	7240	198.00	163328	277.00	3117
41.00	133	129.00	34976	199.00	11863	278.00	490
49.00	341	130.00	3136	200.00	903	283.00	378
50.00	12091	131.00	637	201.00	766	284.00	198
51.00	46216	132.00	342	202.00	187	285.00	490
52.00	2279	133.00	153	203.00	1329	286.00	65
55.00	297	134.00	1129	204.00	6388	289.00	110
56.00	1438	135.00	2602	205.00	10845	292.00	155
57.00	3212	136.00	1014	206.00	44056	293.00	700
58.00	135	137.00	1442	207.00	5697	294.00	220
61.00	549	138.00	343	208.00	1620	296.00	9048
62.00	790	139.00	162	209.00	354	297.00	1458
63.00	2458	140.00	293	210.00	768	298.00	53
64.00	336	141.00	4488	211.00	2062	302.00	218
65.00	1093	142.00	1318	212.00	166	303.00	1189
69.00	55832	143.00	949	213.00	136	304.00	343
70.00	301	144.00	361	215.00	571	308.00	99
73.00	194	145.00	149	217.00	11029	310.00	86
74.00	5838	146.00	933	218.00	1504	314.00	446
75.00	9200	147.00	2243	221.00	7732	315.00	1132
76.00	2411	148.00	4838	222.00	1169	316.00	637
77.00	64832	149.00	1154	223.00	2692	317.00	83
78.00	4584	150.00	297	224.00	23456	321.00	312
79.00	4287	151.00	712	225.00	6043	322.00	133
80.00	3333	152.00	458	226.00	467	323.00	3131
81.00	4634	153.00	1366	227.00	9060	324.00	671
82.00	1207	154.00	1075	228.00	1570	325.00	51
83.00	927	155.00	2457	229.00	2131	327.00	645
84.00	269	156.00	3710	230.00	278	328.00	320
85.00	789	157.00	774	231.00	800	332.00	166
86.00	948	158.00	741	232.00	137	333.00	387
87.00	602	159.00	635	233.00	218	334.00	2050

Data File: /chem3/nt4.i/20100719.b/tune.b/07191001.d

Date : 19-JUL-2010 16:18

Client ID: DFTPP0719 Instrument: nt4.i

Sample Info: DFTPP0719

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07191001.d
Spectrum: Avg. Scans 2278-2280 (16.68), Background Scan 2272
Location of Maximum: 198.00
Number of points: 274

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	274	160.00	1414	234.00	561	335.00	456
89.00	140	161.00	2227	235.00	806	341.00	328
91.00	1126	162.00	641	236.00	506	346.00	618
92.00	1437	163.00	254	237.00	841	352.00	919
93.00	7814	164.00	284	238.00	65	353.00	651
94.00	392	165.00	1814	239.00	363	354.00	938
95.00	194	166.00	1157	240.00	376	355.00	90
96.00	431	167.00	7700	241.00	578	359.00	57
97.00	63	168.00	4026	242.00	1185	365.00	4085
98.00	5863	169.00	685	243.00	462	366.00	751
99.00	4521	170.00	323	244.00	17144	370.00	62
100.00	429	171.00	443	245.00	2104	371.00	244
101.00	2891	172.00	734	246.00	3475	372.00	1497
102.00	148	173.00	921	247.00	804	373.00	472
103.00	837	174.00	1805	248.00	141	383.00	429
104.00	1882	175.00	3722	249.00	685	390.00	161
105.00	1824	176.00	1027	250.00	67	391.00	235
106.00	256	177.00	1400	251.00	147	392.00	78
107.00	23808	178.00	437	252.00	188	401.00	53
108.00	3656	179.00	6417	253.00	579	402.00	748
110.00	41184	180.00	4403	255.00	87864	403.00	833
111.00	6615	181.00	2289	256.00	12866	404.00	311
112.00	697	182.00	438	257.00	1093	421.00	791
113.00	280	183.00	173	258.00	4775	422.00	405
114.00	62	184.00	574	259.00	669	423.00	5987
115.00	172	185.00	3393	260.00	130	424.00	1326
116.00	1343	186.00	23320	261.00	146	425.00	201
117.00	17168	187.00	6795	262.00	58	441.00	22008
118.00	1429	188.00	689	264.00	215	442.00	143168
119.00	139	189.00	1412	265.00	1846	443.00	28288
120.00	356	190.00	292	266.00	390	444.00	2849
121.00	75	191.00	714	271.00	396	445.00	152
122.00	1440	192.00	2176	272.00	150		
123.00	2633	193.00	2306	273.00	2780		

Data File: /chem3/nt4.i/20100719.b/tune.b/07191001.d

Date : 19-JUL-2010 16:18

Client ID: DFTPP0719

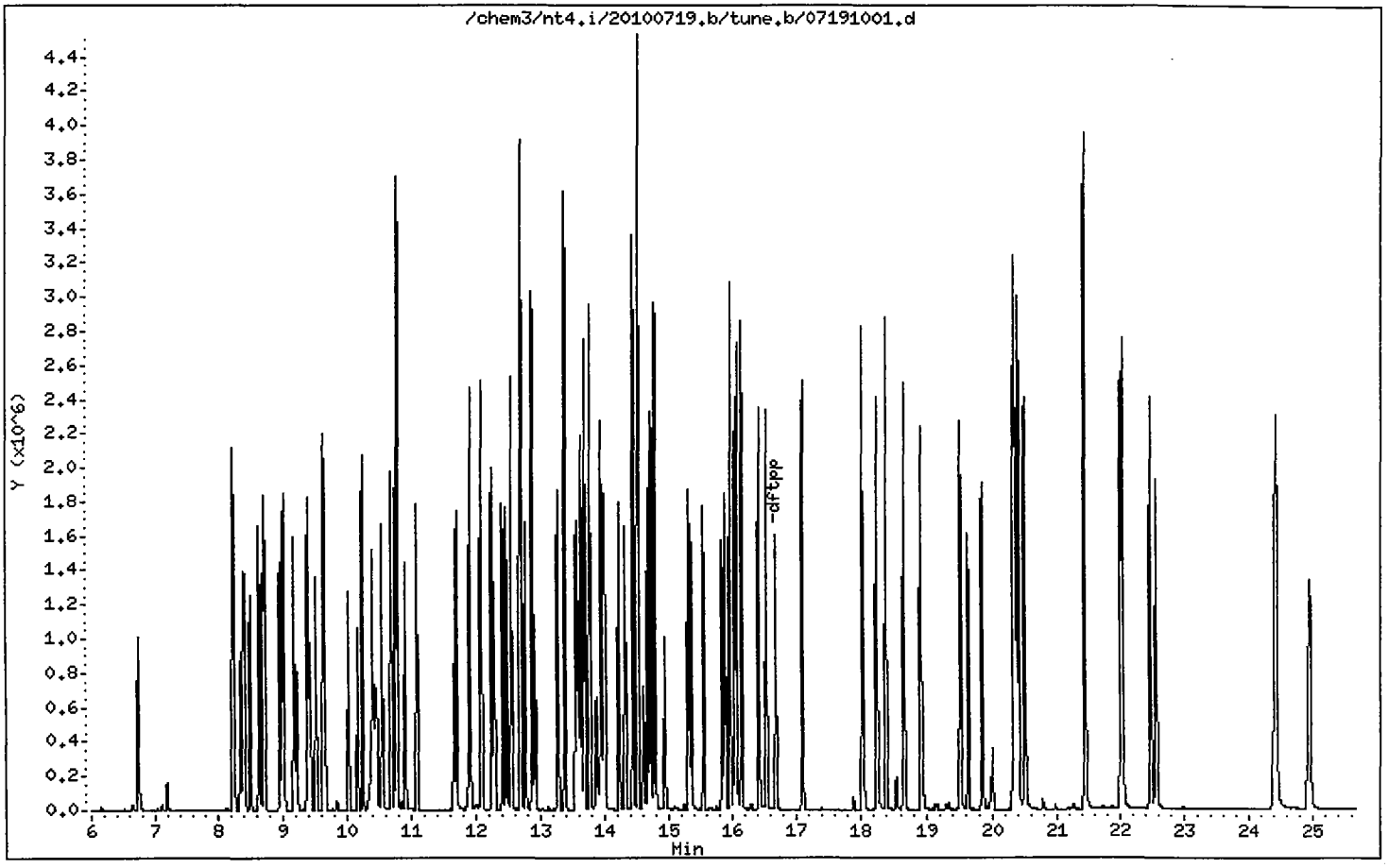
Instrument: nt4.i

Sample Info: DFTPP0719

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt4.i/20100719.b/ddt.b/07191001.d ARI ID: IC250719
Method: /chem3/nt4.i/20100719.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 19-JUL-2010 16:18 Instrument: nt4.i

COMPOUND	RT	AREA
Pentachlorophenol	15.830	246760
Benzidine	13.756	317048
4,4'-DDE	----	----
4,4'-DDD	19.172	9246
4,4'-DDT	19.654	449440

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

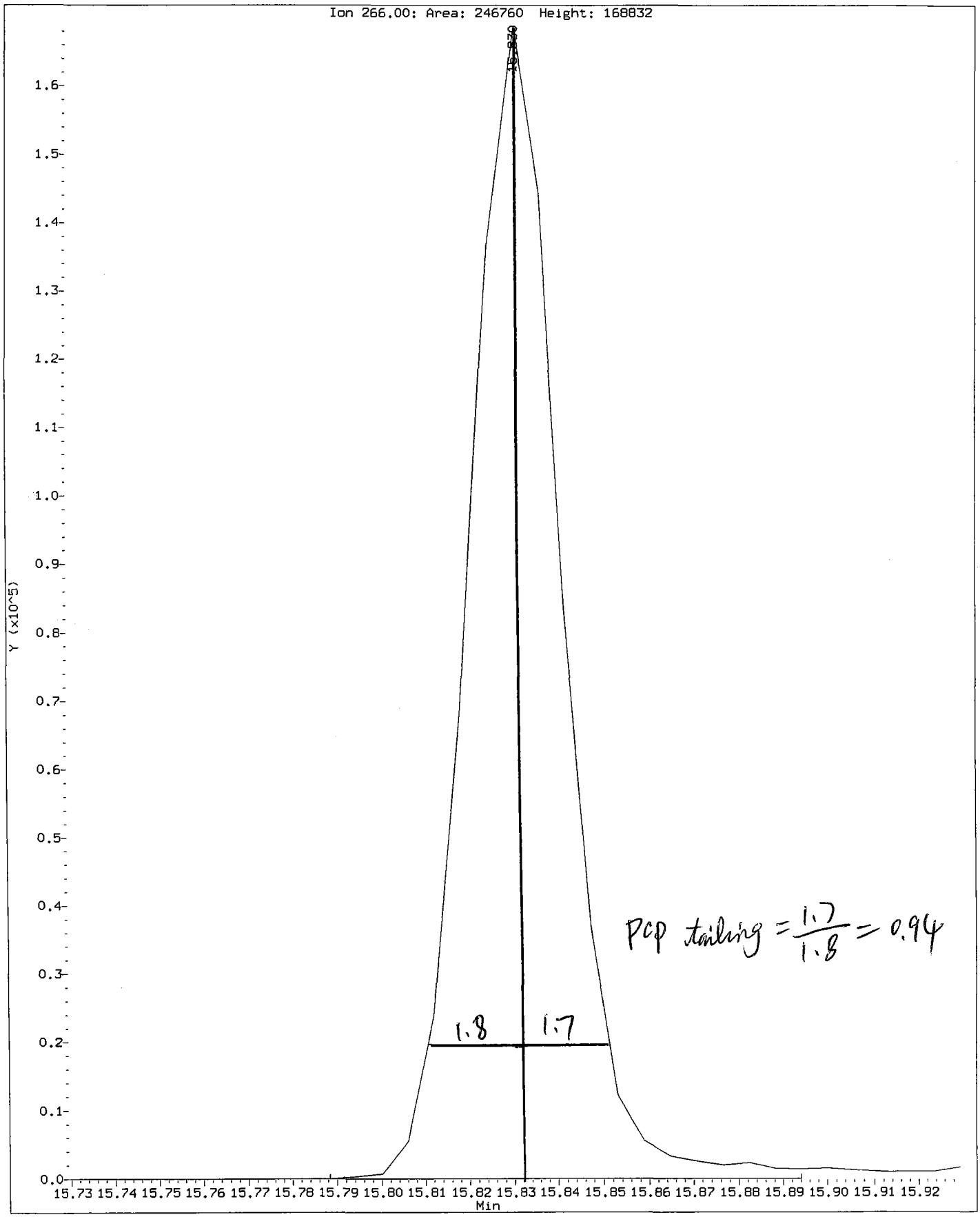
$$\text{DDT Percent Breakdown} = \frac{(0 + 9246) * 100}{(0 + 9246 + 449440)}$$

DDT Percent Breakdown = 2.0 %

07/11/10

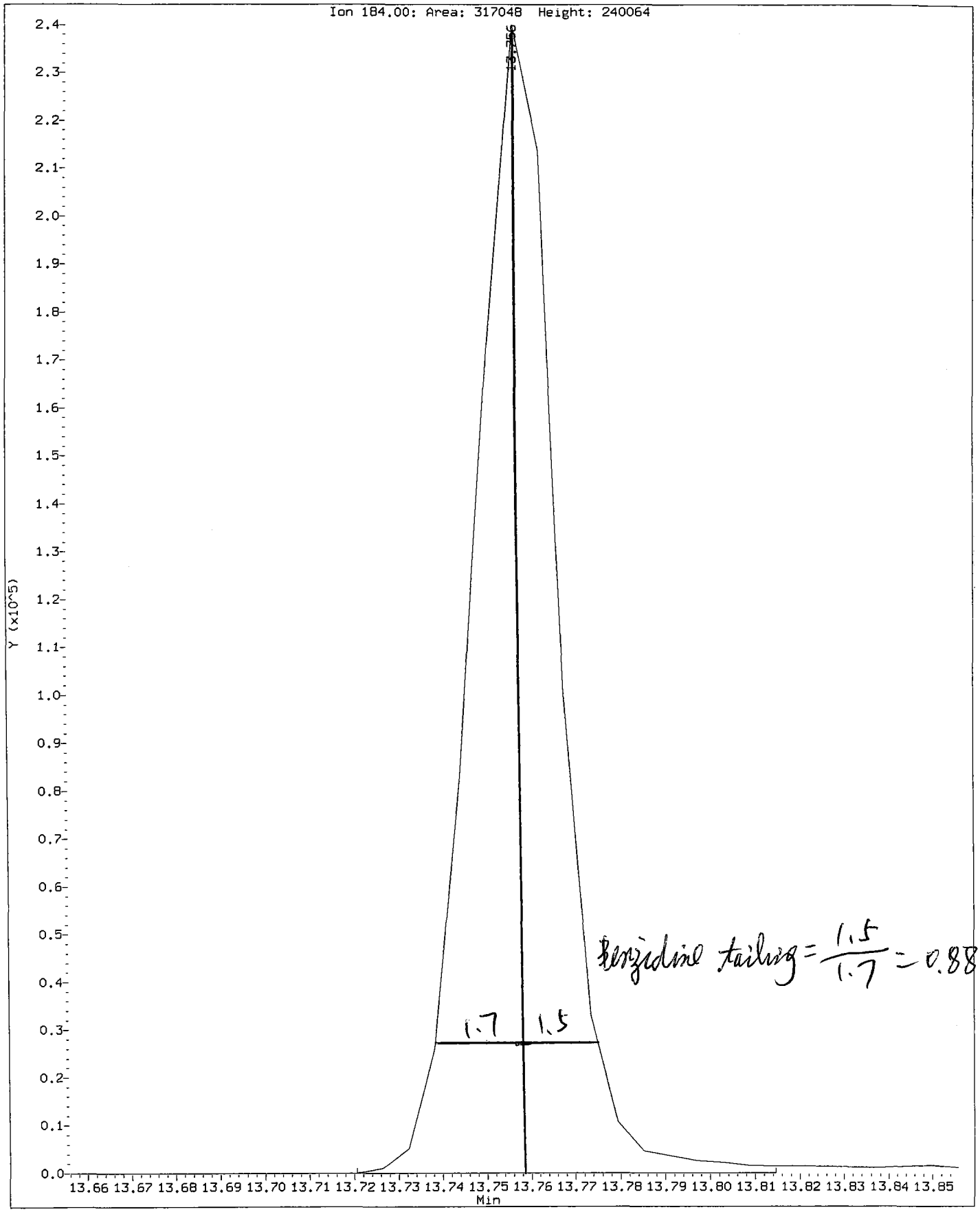
Data File: /chem3/nt4.i/20100719.b/ddt.b/07191001.d
Injection Date: 19-JUL-2010 16:18
Instrument: nt4.i
Client Sample ID: IC250719

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt4.i/20100719.b/ddt.b/07191001.d
Injection Date: 19-JUL-2010 16:18
Instrument: nt4.i
Client Sample ID: IC250719

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191002.d
Lab Smp Id: IC010719 Client Smp ID: IC010719
Inj Date : 19-JUL-2010 16:56
Operator : JZ Inst ID: nt4.i
Smp Info : IC010719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 16:56 Cal File: 07191002.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/21/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.727	6.737	(0.774)	16929	1.00000	1.000
$	2 Phenol-d5	99	8.208	8.229	(0.945)	15849	1.00000	1.000
	3 Phenol	94	8.225	8.252	(0.947)	22145	1.00000	1.000
$	5 2-Chlorophenol-d4	132	8.384	8.393	(0.965)	17674	1.00000	1.000
	4 Bis(2-Chloroethyl)ether	93	8.337	8.352	(0.959)	16775	1.00000	1.000
	6 2-Chlorophenol	128	8.407	8.423	(0.968)	20019	1.00000	1.000
	7 1,3-Dichlorobenzene	146	8.631	8.640	(0.993)	24857	1.00000	1.000
*	8 1,4-Dichlorobenzene-d4	152	8.689	8.699	(1.000)	290756	20.0000	
	9 1,4-Dichlorobenzene	146	8.713	8.722	(1.003)	24688	1.00000	1.000
$	10 1,2-Dichlorobenzene-d4	152	8.995	8.998	(1.035)	14140	1.00000	1.000(M)
	12 1,2-Dichlorobenzene	146	9.012	9.022	(1.037)	22982	1.00000	1.000
	14 2,2'-oxybis(1-Chloropropane)	45	9.206	9.216	(1.059)	16487	1.00000	1.000
	13 2-Methylphenol	108	9.159	9.181	(1.054)	14573	1.00000	1.000
	17 Hexachloroethane	117	9.506	9.509	(1.094)	8597	1.00000	1.000
	16 N-Nitroso-di-n-propylamine	70	9.418	9.445	(1.084)	11445	1.00000	1.000
	15 4-Methylphenol	108	9.388	9.415	(1.080)	15650	1.00000	1.000
$	18 Nitrobenzene-d5	82	9.612	9.627	(0.895)	16718	1.00000	1.000
	19 Nitrobenzene	77	9.641	9.662	(0.898)	17688	1.00000	1.000
	20 Isophorone	82	10.017	10.038	(0.933)	29376	1.00000	1.000
	21 2-Nitrophenol	139	10.164	10.173	(0.946)	8306	1.00000	1.000
	22 2,4-Dimethylphenol	107	10.234	10.256	(0.953)	17478	1.00000	1.000
	23 Bis(2-Chloroethoxy)methane	93	10.393	10.408	(0.968)	20749	1.00000	1.000
	25 2,4-Dichlorophenol	162	10.534	10.549	(0.981)	13002	1.00000	1.000
	26 1,2,4-Trichlorobenzene	180	10.675	10.684	(0.994)	18864	1.00000	1.000
*	27 Naphthalene-d8	136	10.739	10.749	(1.000)	1025728	20.0000	
	28 Naphthalene	128	10.769	10.784	(1.003)	60556	1.00000	1.000
	29 4-Chloroaniline	127	10.898	10.908	(1.015)	20131	1.00000	1.000

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	30	Hexachlorobutadiene	225	11.080	11.084	(1.032)	11152	1.00000	1.000
	31	4-Chloro-3-methylphenol	107	11.691	11.701	(1.089)	10459	1.00000	1.000
	32	2-Methylnaphthalene	142	11.897	11.906	(1.108)	38275	1.00000	1.000
	34	2,4,6-Trichlorophenol	196	12.402	12.411	(0.910)	9385	1.00000	1.000
	35	2,4,5-Trichlorophenol	196	12.461	12.470	(0.915)	7560	1.00000	1.000
$	36	2-Fluorobiphenyl	172	12.531	12.541	(0.920)	44578	1.00000	1.000
	37	2-Chloronaphthalene	162	12.684	12.699	(0.931)	37915	1.00000	1.000
	38	2-Nitroaniline	65	12.901	12.923	(0.947)	4299	1.00000	1.000
	39	Dimethylphthalate	163	13.260	13.287	(0.973)	44202	1.00000	1.000
	40	Acenaphthylene	152	13.371	13.381	(0.981)	59340	1.00000	1.000
	41	2,6-Dinitrotoluene	165	13.365	13.387	(0.981)	7415	1.00000	1.000
*	42	Acenaphthene-d10	164	13.624	13.633	(1.000)	609037	20.0000	
	43	3-Nitroaniline	138	13.583	13.610	(0.997)	8127	1.00000	1.000(M)
	44	Acenaphthene	153	13.677	13.686	(1.004)	37912	1.00000	1.000
	46	Dibenzofuran	168	13.935	13.951	(1.023)	50118	1.00000	1.000
	48	2,4-Dinitrotoluene	165	14.000	14.021	(1.028)	8769	1.00000	1.000
	50	Diethylphthalate	149	14.417	14.438	(1.058)	47903	1.00000	1.000
	49	Fluorene	166	14.499	14.514	(1.064)	44002	1.00000	1.000
	51	4-Chlorophenyl-phenylether	204	14.505	14.514	(1.065)	21156	1.00000	1.000
	52	4-Nitroaniline	138	14.581	14.626	(1.070)	8559	1.00000	1.000(M)
	54	N-Nitrosodiphenylamine	169	14.711	14.732	(0.918)	30879	1.00000	1.000
$	55	2,4,6-Tribromophenol	330	14.922	14.937	(1.095)	3444	1.00000	1.000
	56	4-Bromophenyl-phenylether	248	15.298	15.308	(0.955)	10876	1.00000	1.000
	57	Hexachlorobenzene	284	15.533	15.548	(0.970)	12460	1.00000	1.000
*	59	Phenanthrene-d10	188	16.021	16.036	(1.000)	1031072	20.0000	
	60	Phenanthrene	178	16.056	16.077	(1.002)	65449	1.00000	1.000
	61	Anthracene	178	16.132	16.153	(1.007)	65409	1.00000	1.000
	62	Carbazole	167	16.408	16.424	(1.024)	59018	1.00000	1.000
	63	Di-n-butylphthalate	149	17.084	17.093	(1.066)	71682	1.00000	1.000
	64	Fluoranthene	202	18.012	18.027	(1.124)	63563	1.00000	1.000
	65	Pyrene	202	18.376	18.397	(0.902)	68781	1.00000	1.000
$	66	Terphenyl-d14	244	18.664	18.674	(0.916)	41564	1.00000	1.000
	67	Butylbenzylphthalate	149	19.528	19.543	(0.958)	28078	1.00000	1.000
	68	Benzo(a)anthracene	228	20.344	20.365	(0.999)	62157	1.00000	1.000
*	69	Chrysene-d12	240	20.374	20.389	(1.000)	888098	20.0000	
	70	3,3'-Dichlorobenzidine	252	20.338	20.348	(0.998)	16378	1.00000	1.000
	71	Chrysene	228	20.415	20.436	(1.002)	61441	1.00000	1.000
	72	bis(2-Ethylhexyl)phthalate	149	20.515	20.518	(0.956)	37359	1.00000	1.000
*	134	Di-n-octylphthalate-d4	153	21.449	21.458	(1.000)	1405493	20.0000	
	73	Di-n-octylphthalate	149	21.454	21.470	(1.000)	88965	1.00000	1.000
	74	Benzo(b)fluoranthene	252	22.012	22.040	(0.975)	62957	1.00000	1.000
	75	Benzo(k)fluoranthene	252	22.048	22.075	(0.977)	68867	1.00000	1.000
	187	Total Benzofluoranthenes	252	22.012	22.075	(0.975)	123956	2.00000	2.000(M)
	76	Benzo(a)pyrene	252	22.482	22.510	(0.996)	55355	1.00000	1.000
*	77	Perylene-d12	264	22.571	22.580	(1.000)	896867	20.0000	
	78	Indeno(1,2,3-cd)pyrene	276	24.403	24.454	(1.081)	49743	1.00000	1.000
	79	Dibenzo(a,h)anthracene	278	24.421	24.477	(1.082)	36717	1.00000	1.000(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
80	Benzo(g,h,i)perylene	276	24.926	24.989	(1.104)	42342	1.00000	1.000(M)
90	N-Nitrosodimethylamine	74	4.260	4.281	(0.490)	9418	1.00000	1.000
103	Pyridine	79	4.272	4.240	(0.492)	13123	1.00000	1.000(M)
91	Aniline	93	8.237	8.252	(0.948)	24205	1.00000	1.000
105	1-methylnaphthalene	142	12.073	12.082	(1.124)	37878	1.00000	1.000
93	Benzidine	184	18.247	18.251	(0.896)	18817	1.00000	1.000(M)
111	Azobenzene (1,2-DP-Hydrazine)	77	14.758	14.779	(1.083)	34717	1.00000	1.000
143	1,4-Dioxane	88	3.485	3.494	(0.401)	6166	1.00000	
$ 137	d8-1,4-Dioxane	96	3.420	3.424	(0.394)	6252	1.00000	
151	1,2,4,5-Tetrachlorobenzene	216	12.237	12.247	(0.898)	18497	1.00000	1.000
120	2,3,4,6-Tetrachlorophenol	232	14.211	14.221	(1.043)	7771	1.00000	1.000
144	alpha-Terpineol	59	10.775	10.790	(1.003)	10428	1.00000	1.000
98	Retene	219	18.923	18.932	(0.929)	20377	1.00000	1.000
133	Butylatedhydroxytoluene	205	13.765	13.774	(1.010)	36457	1.00000	1.000
115	Tributyl Phosphate	99	14.769	14.802	(0.922)	42406	1.00000	1.000
116	Dibutyl Phenyl Phosphate	175	16.526	16.535	(1.032)	32552	1.00000	1.000
117	Butyl Diphenyl Phosphate	94	18.235	18.245	(0.895)	9172	1.00000	1.000
118	Triphenyl Phosphate	326	19.857	19.866	(0.975)	9524	1.00000	1.000
123	Acetophenone	105	9.371	9.392	(0.873)	24162	1.00000	1.000
179	n-Decane	57	8.495	8.505	(0.978)	13401	1.00000	1.000
180	n-Octadecane	57	15.874	15.883	(0.991)	15597	1.00000	1.000
168	Pentachlorobenzene	250	13.976	13.992	(1.026)	14879	1.00000	1.000
113	Diphenyl Oxide	170	12.860	12.870	(0.944)	38962	1.00000	1.000
112	Biphenyl	154	12.672	12.682	(0.930)	44311	1.00000	1.000
110	Tetrachloroguaiacol	247	15.950	15.971	(0.996)	11956	2.00000	2.000
109	3,4,5-Trichloroguaiacol	213	14.305	14.315	(0.893)	5696	1.00000	1.000
181	3,4,6-Trichloroguaiacol	211	14.429	14.444	(0.901)	6639	1.00000	1.000
108	4,5,6-Trichloroguaiacol	213	15.339	15.349	(0.957)	5830	1.00000	1.000
184	3,4-Dichloroguaiacol	192	12.754	12.764	(0.936)	5700	1.00000	1.000
107	4,5-Dichloroguaiacol	192	13.530	13.545	(0.993)	7611	1.00000	1.000
182	4,6-Dichloroguaiacol	192	13.559	13.580	(0.995)	8112	1.00000	1.000
185	4-Chloroguaiacol	115	11.650	11.660	(1.341)	3842	0.50000	0.5000
106	Guaiacol	124	9.629	9.645	(1.108)	16777	1.00000	1.000

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191002.d
Lab Smp Id: IC010719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC010719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	290756	-18.44
27 Naphthalene-d8	1293412	646706	2586824	1025728	-20.70
42 Acenaphthene-d10	785897	392948	1571794	609037	-22.50
59 Phenanthrene-d10	1313990	656995	2627980	1031072	-21.53
69 Chrysene-d12	1155293	577646	2310586	888098	-23.13
134 Di-n-octylphthala	1825297	912648	3650594	1405493	-23.00
77 Perylene-d12	1146289	573144	2292578	896867	-21.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.69	-0.10
27 Naphthalene-d8	10.74	10.24	11.24	10.74	-0.03
42 Acenaphthene-d10	13.63	13.13	14.13	13.62	-0.02
59 Phenanthrene-d10	16.03	15.53	16.53	16.02	-0.05
69 Chrysene-d12	20.38	19.88	20.88	20.37	-0.04
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	-0.01
77 Perylene-d12	22.58	22.08	23.08	22.57	-0.04

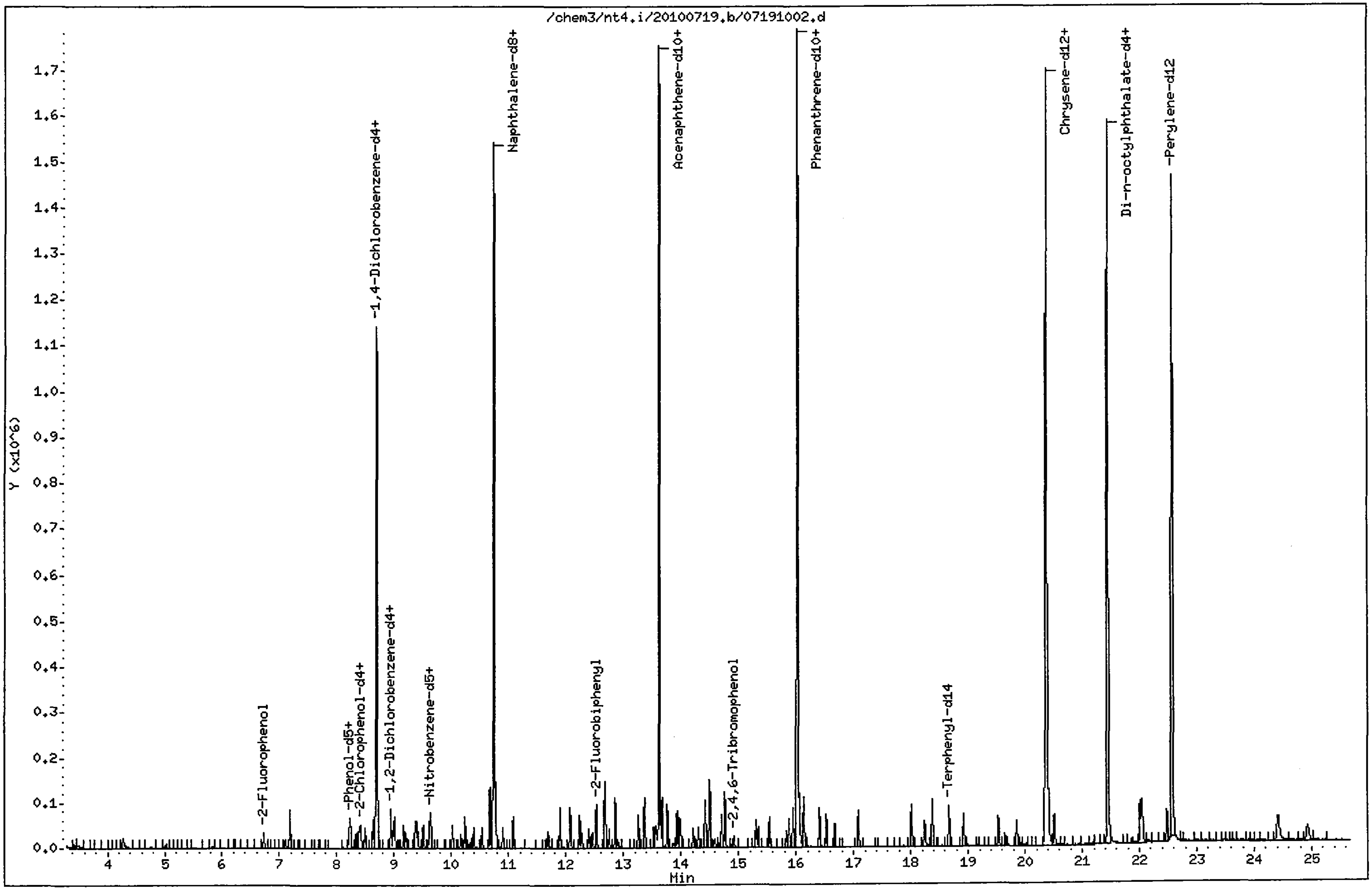
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191002.d
Date : 19-JUL-2010 16:56
Client ID: IC010719
Sample Info: IC010719

Column phase: ZB-5msi

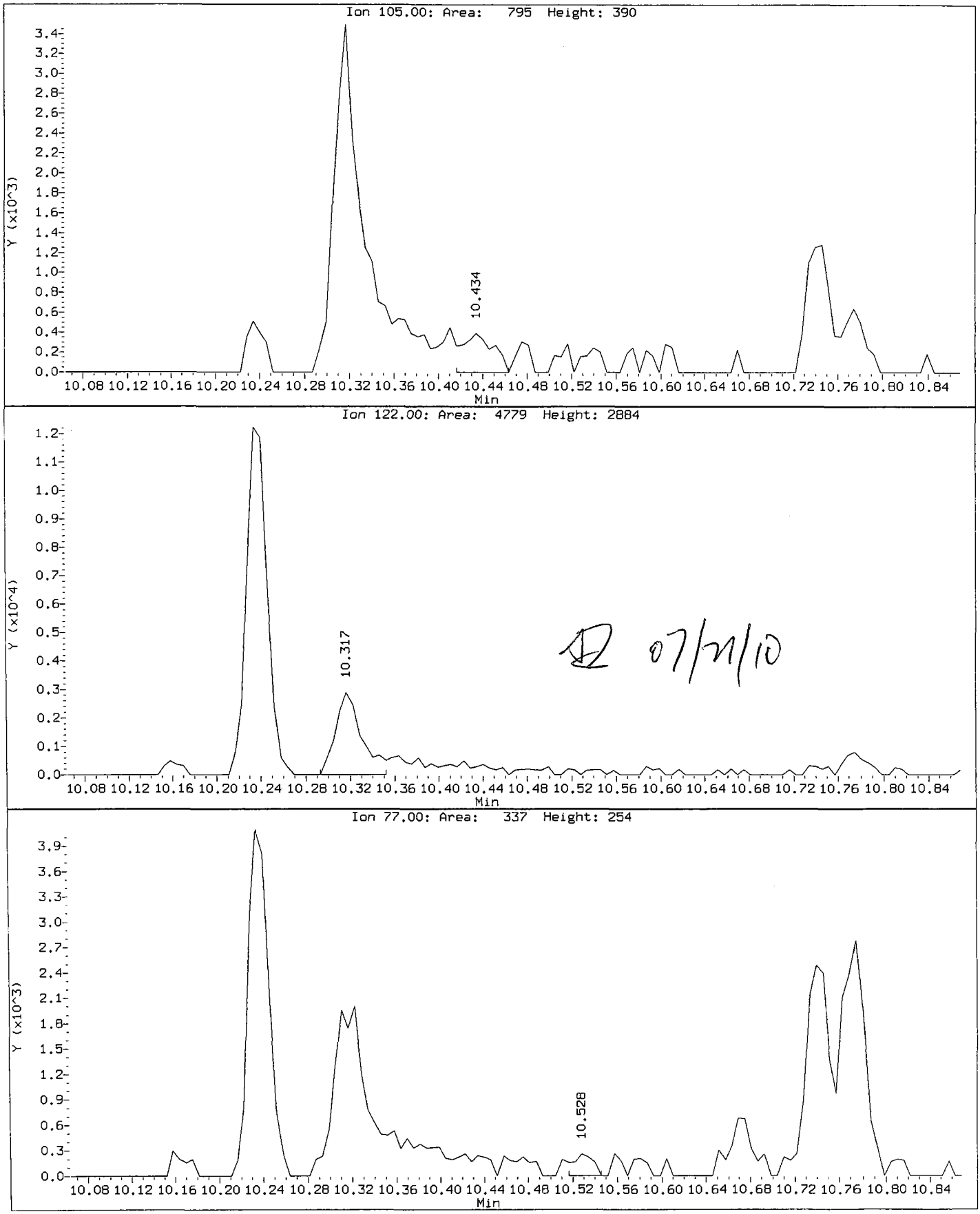
Instrument: nt4.i

Operator: JZ
Column diameter: 0.32



Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

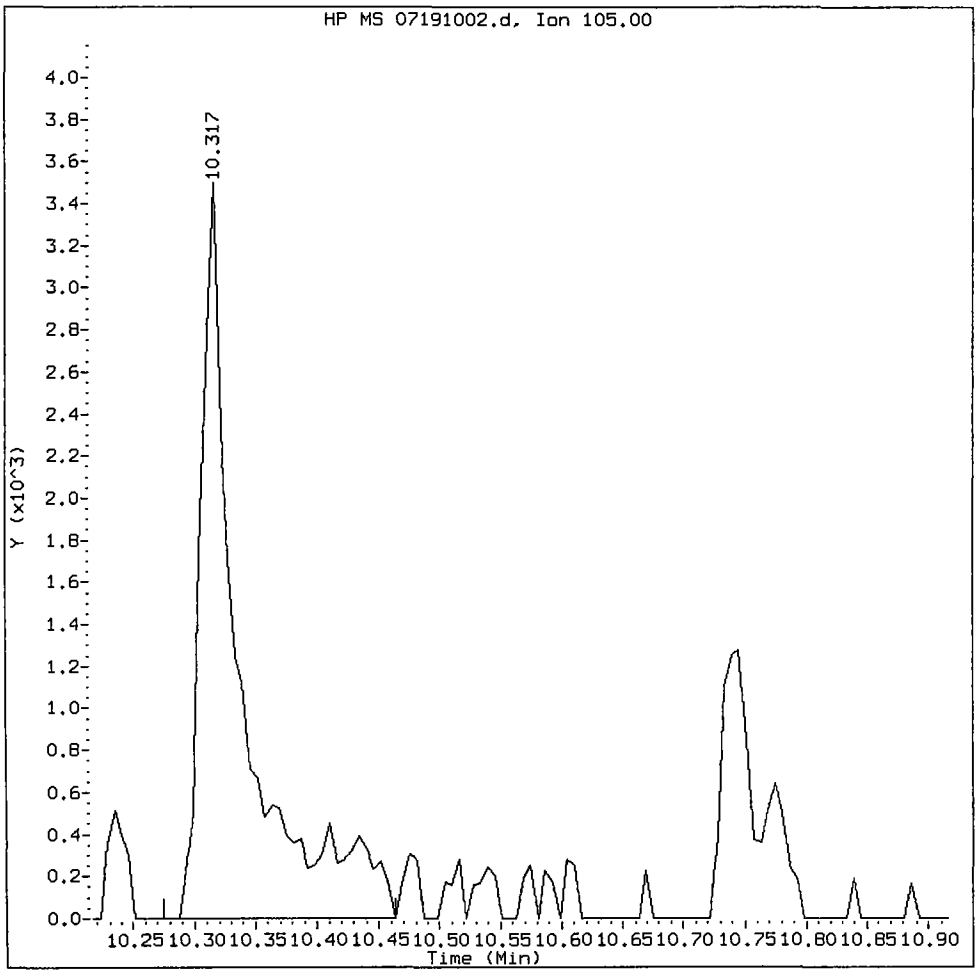
Compound: Benzoic acid
CAS Number: 65-85-0



07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Benzoic acid Amount: 0.00 Area: 8004



MANUAL INTEGRATION for Benzoic acid

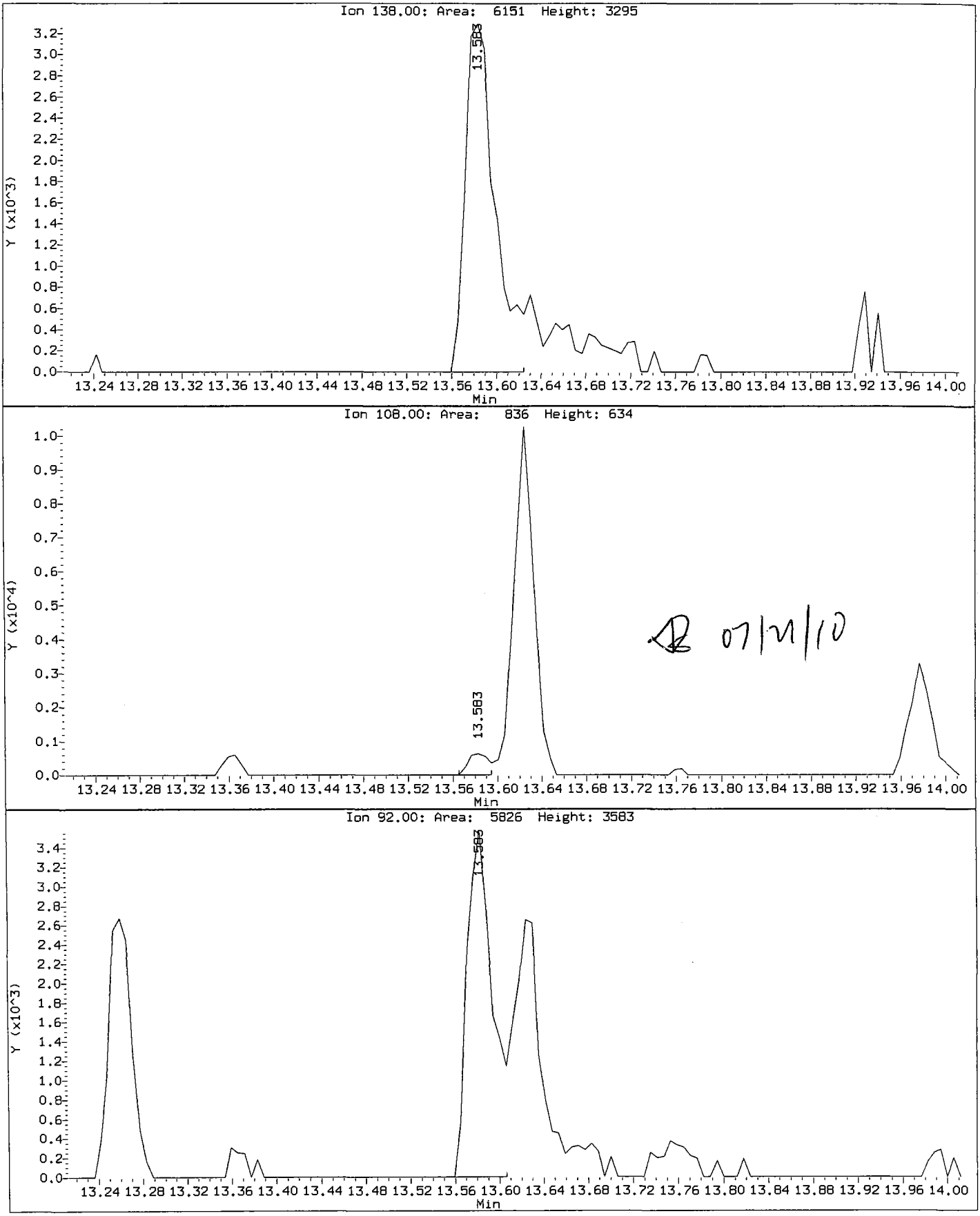
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/21/10

Data File: /chem3/nt4.i/20100719B.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

Compound: 3-Nitroaniline
CAS Number: 99-09-2



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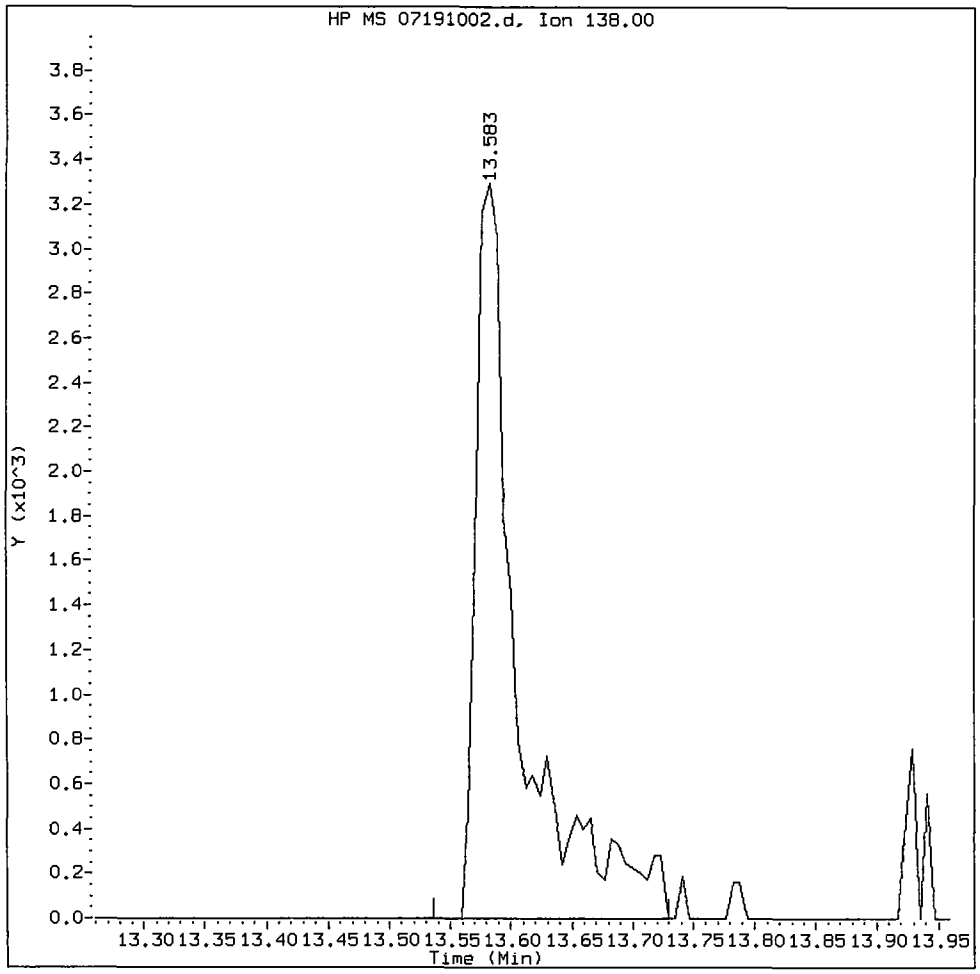
3-Nitroaniline Amount: 1.00 Area: 8127



MANUAL INTEGRATION for 3-Nitroaniline

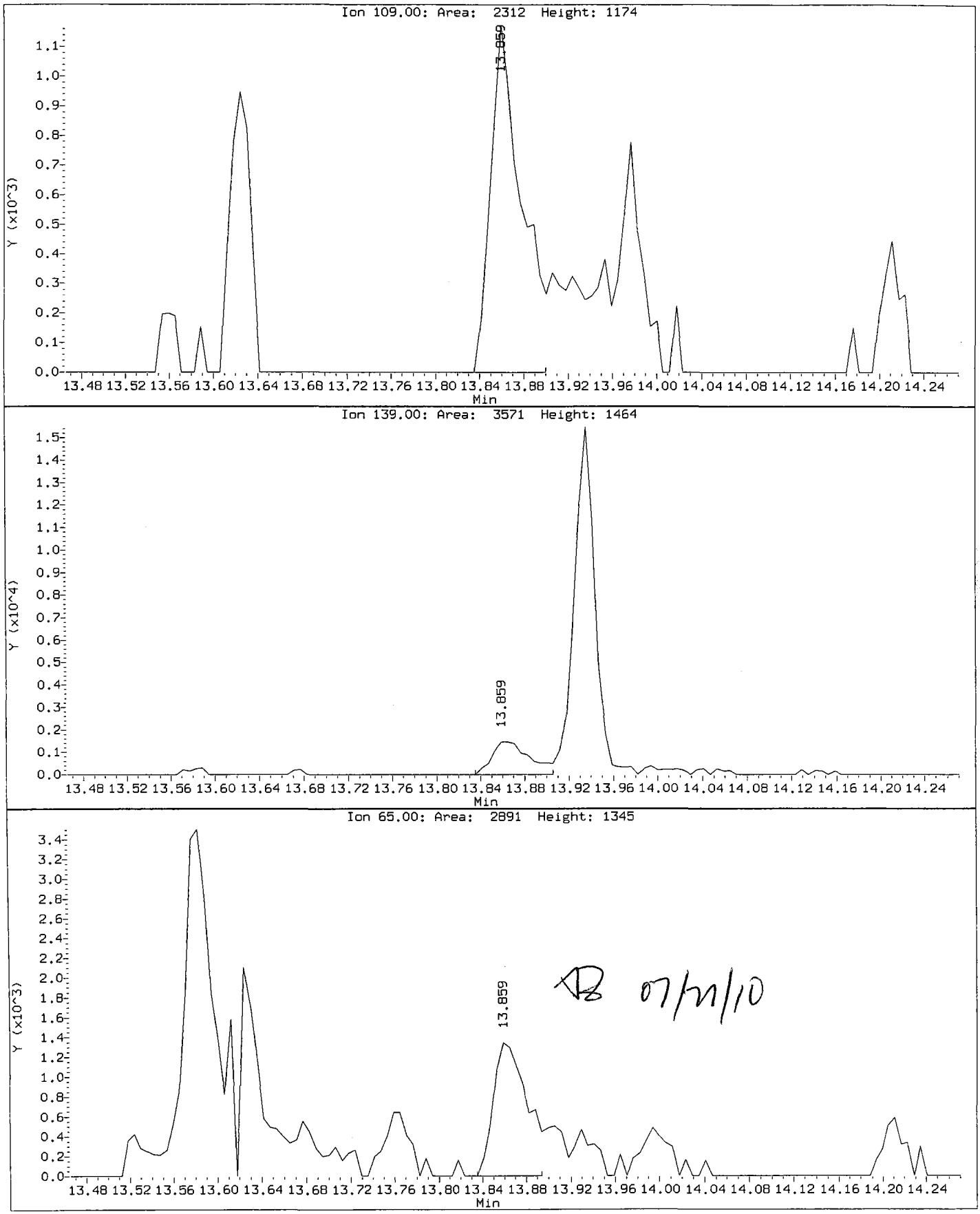
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

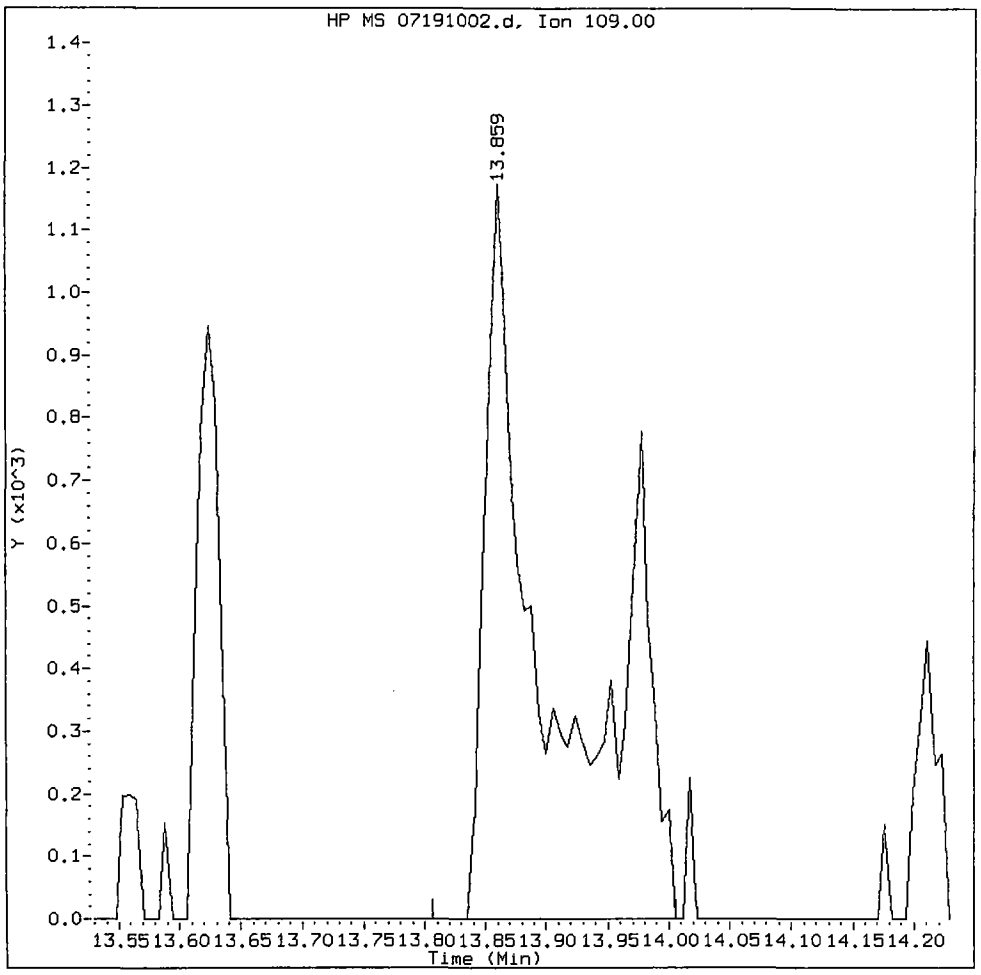
Compound: 4-Nitrophenol
CAS Number: 100-02-7



RB 07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

4-Nitrophenol Amount: 0.00 Area: 4317



MANUAL INTEGRATION for 4-Nitrophenol

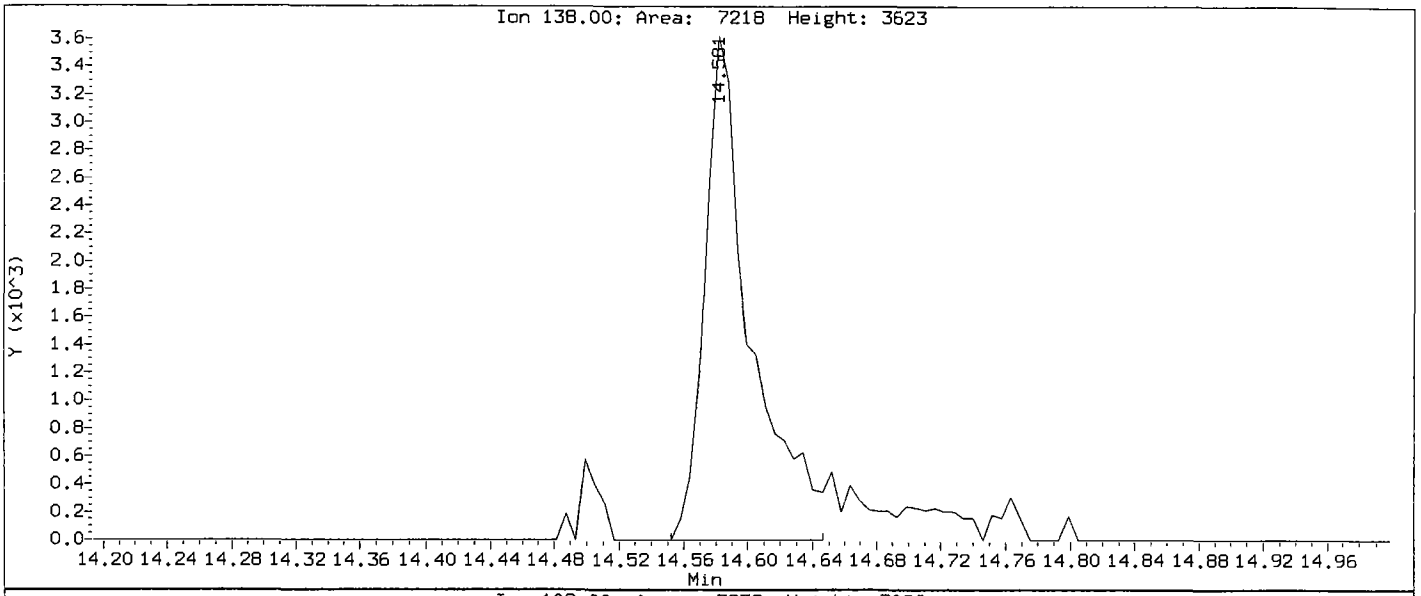
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

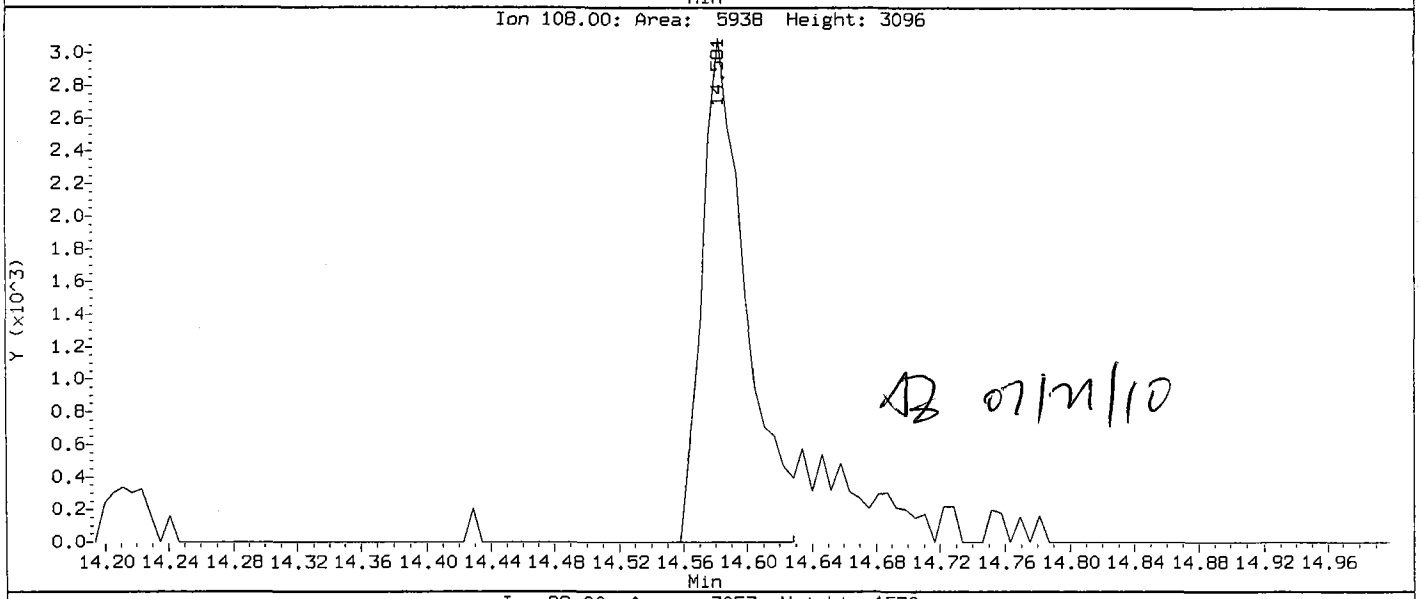
5. Other _____

Analyst: AR Date: 07/21/10

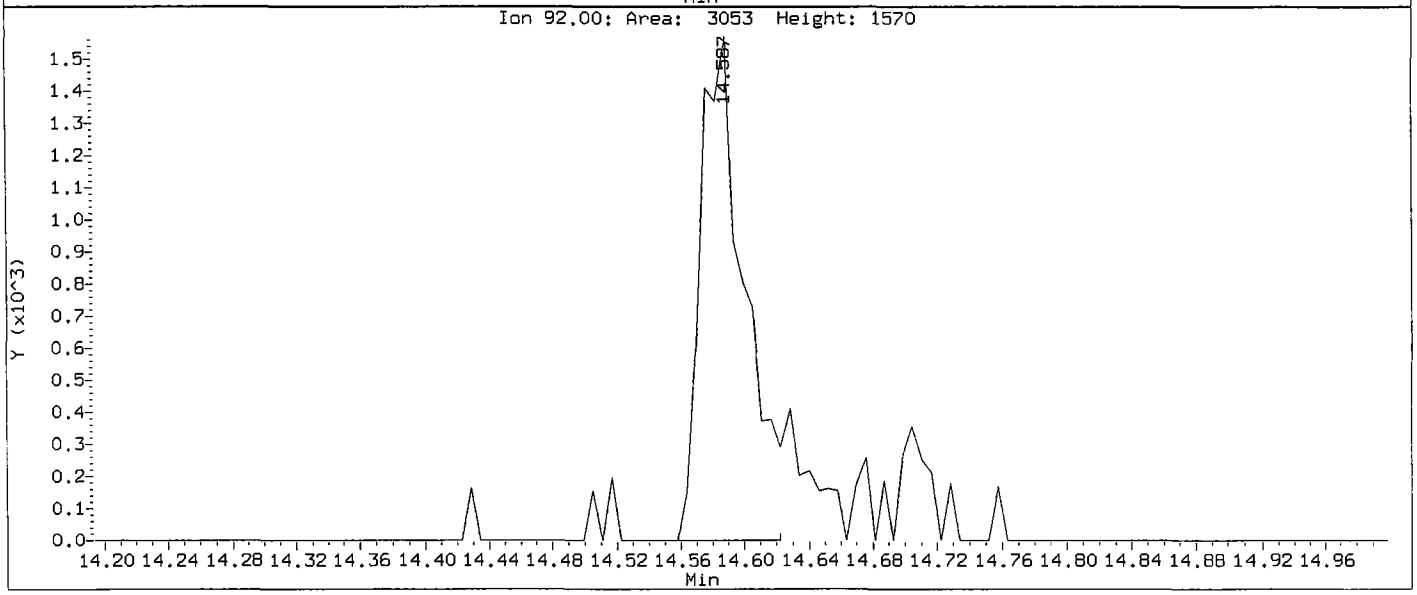
Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

Compound: 4-Nitroaniline
CAS Number: 100-01-6





AB 07/21/10



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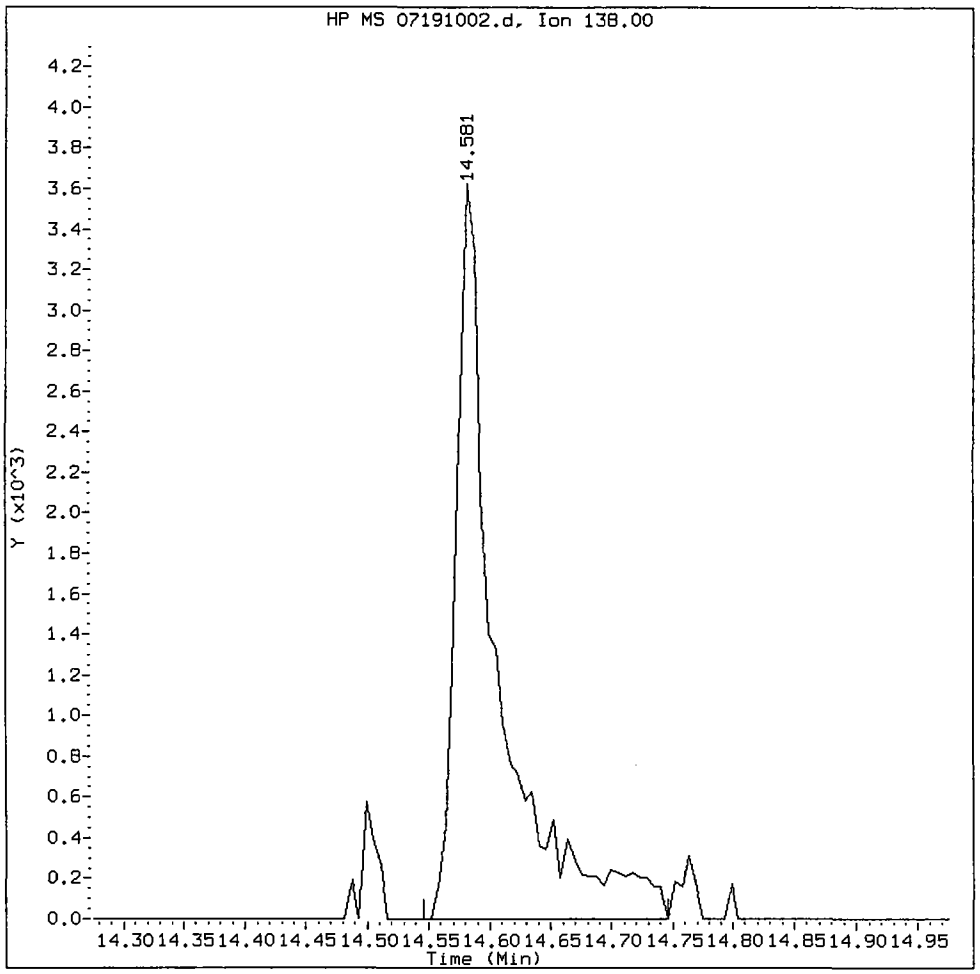
4-Nitroaniline Amount: 1.00 Area: 8559



MANUAL INTEGRATION for 4-Nitroaniline

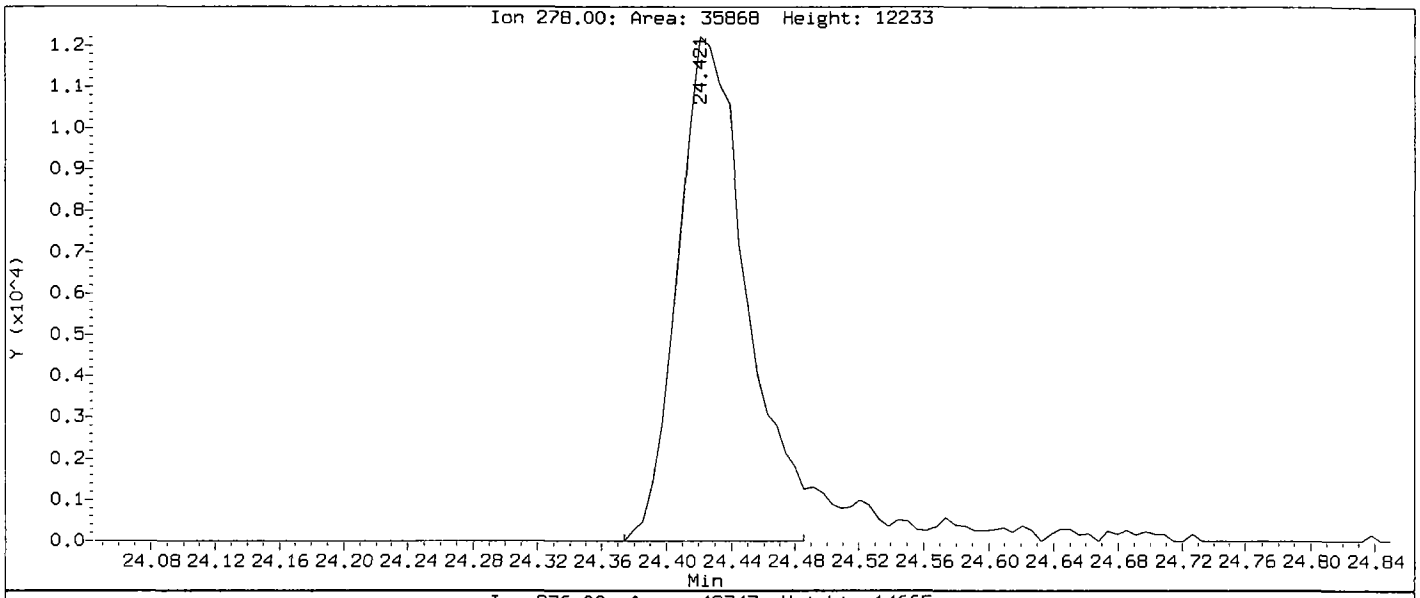
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

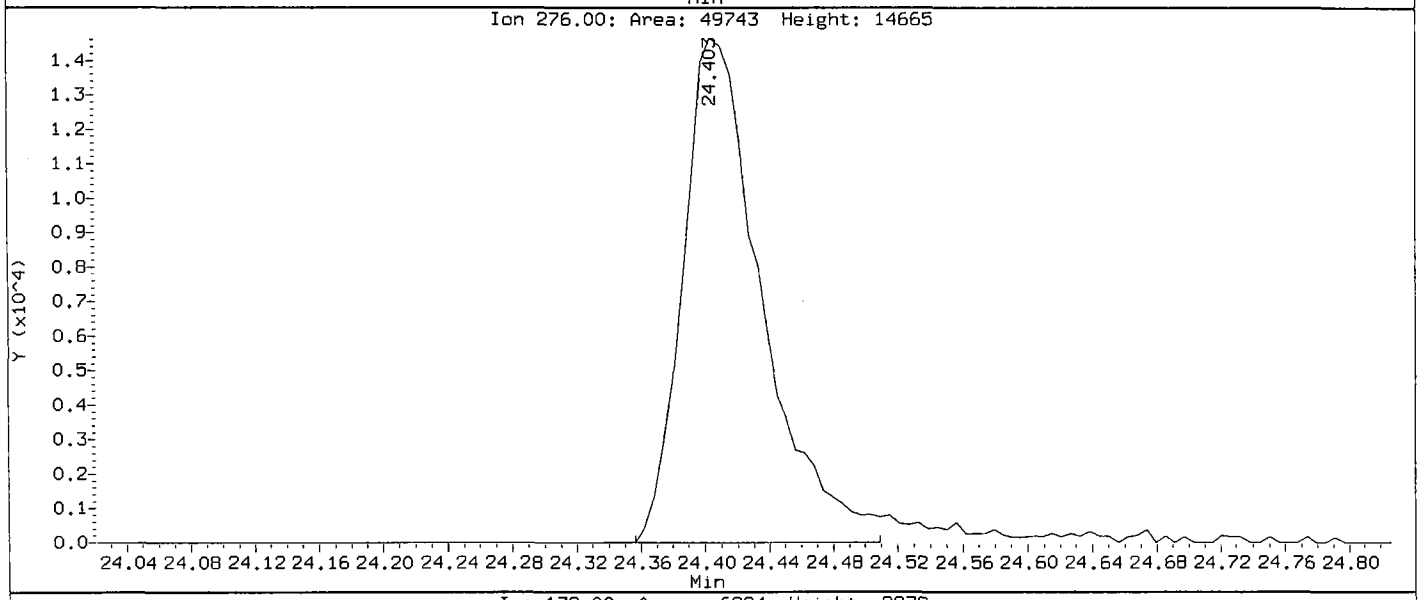
5. Other _____

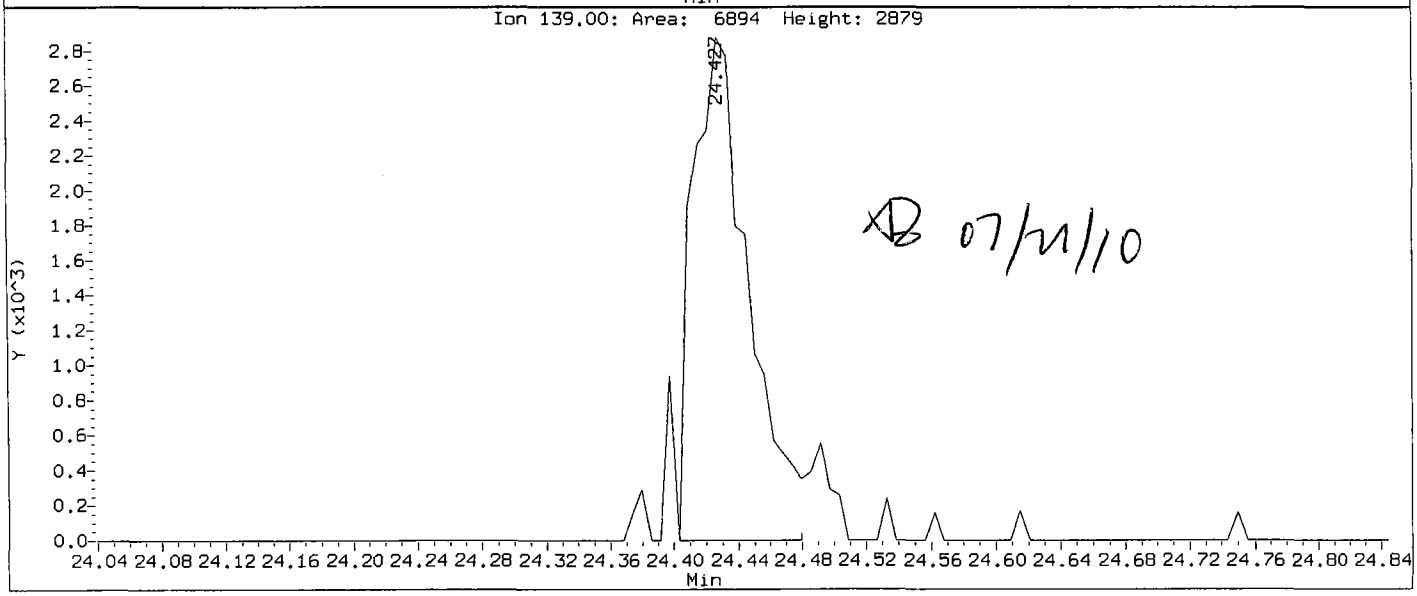
Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

Compound: Dibenzo(a,h)anthracene
CAS Number: 53-70-3



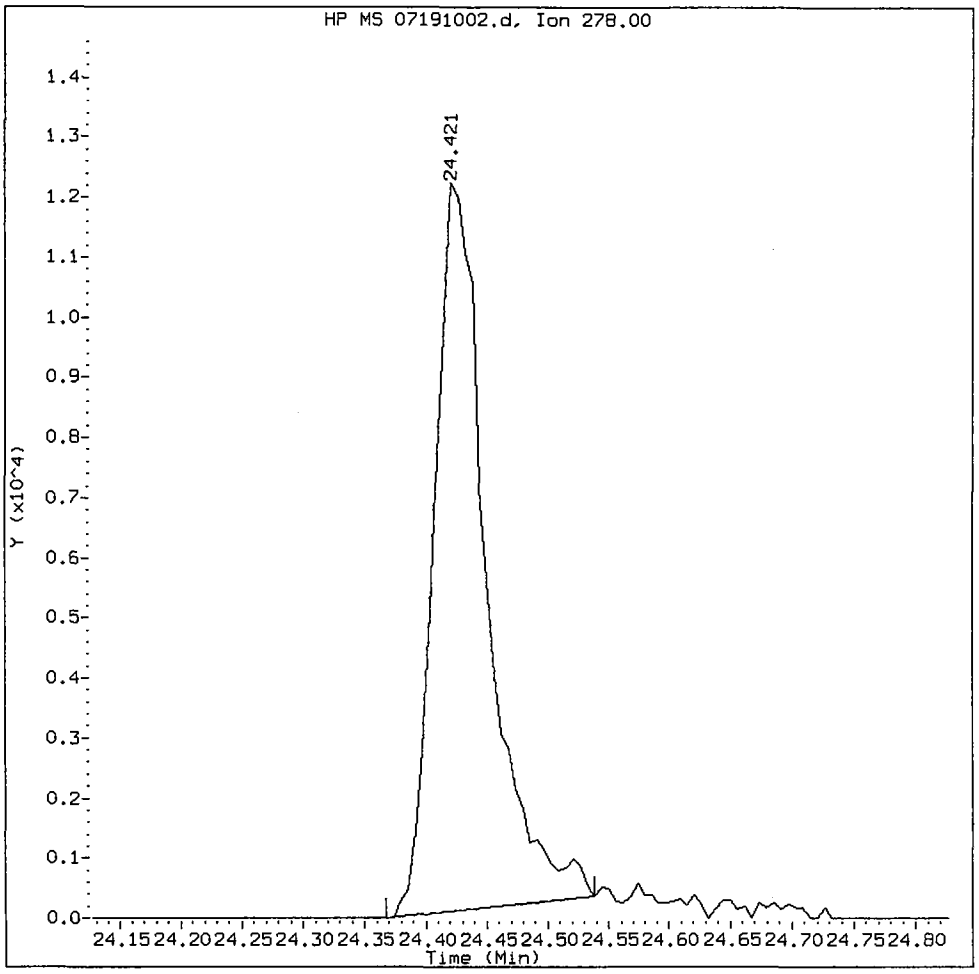




XB 07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Dibenzo(a,h)anthracene Amount: 1.00 Area: 36717



MANUAL INTEGRATION for Dibenzo(a,h)anthracene

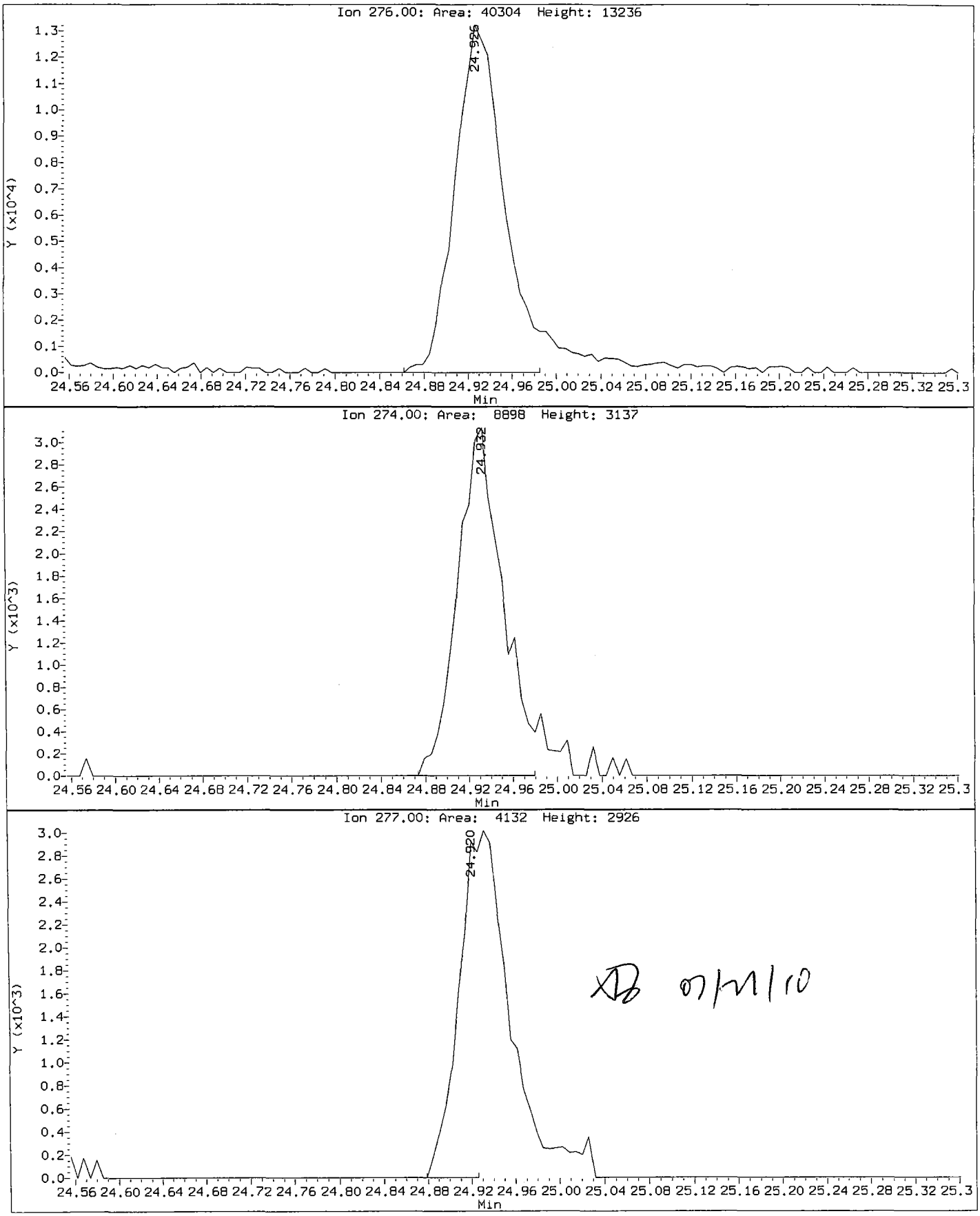
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

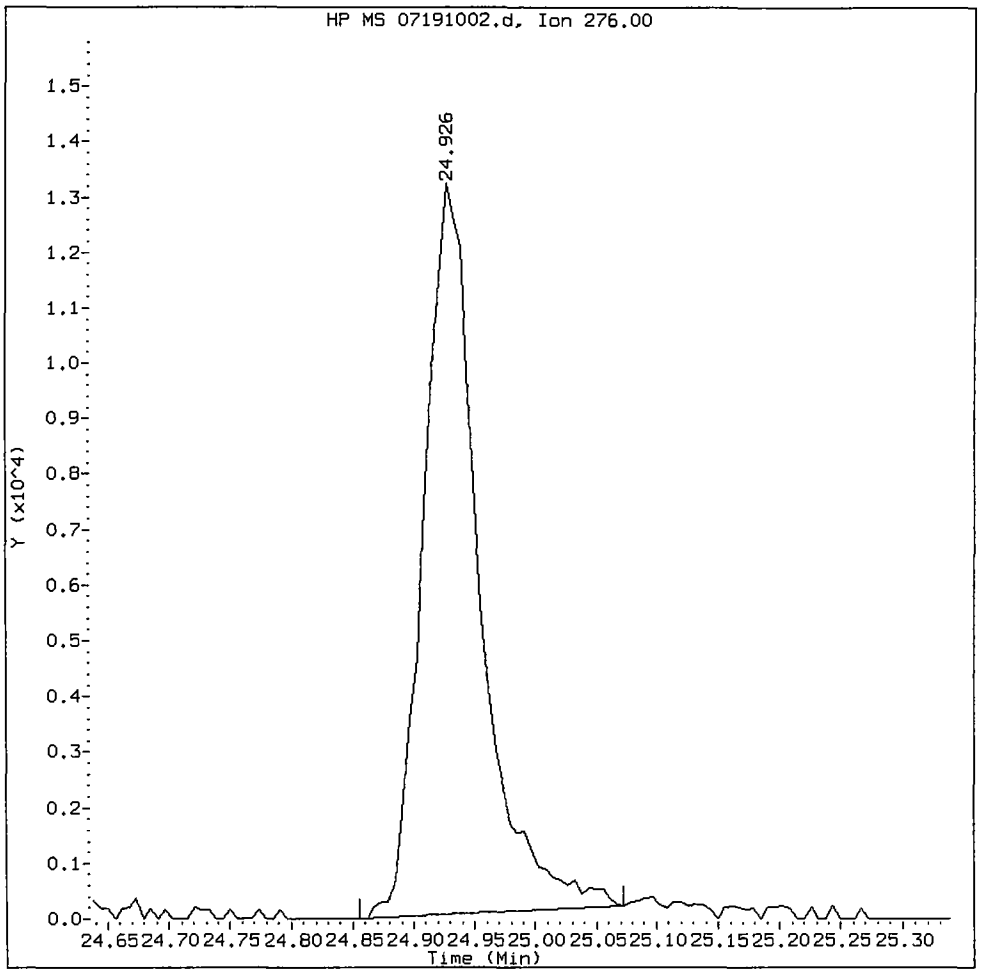
Compound: Benzo(g,h,i)perylene
CAS Number: 191-24-2



XB 07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Benzo(g,h,i)perylene Amount: 1.00 Area: 42342



MANUAL INTEGRATION for Benzo(g,h,i)perylene

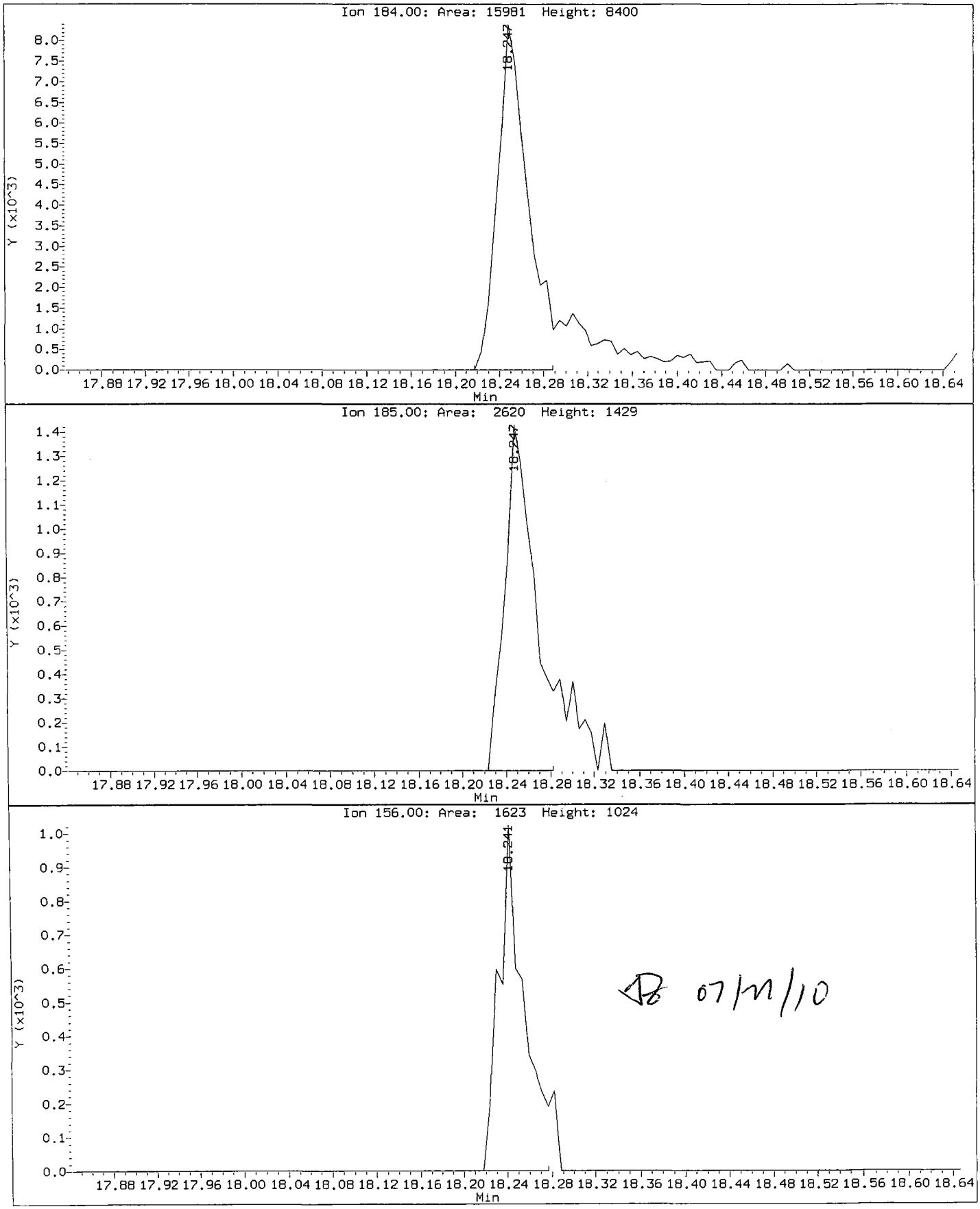
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

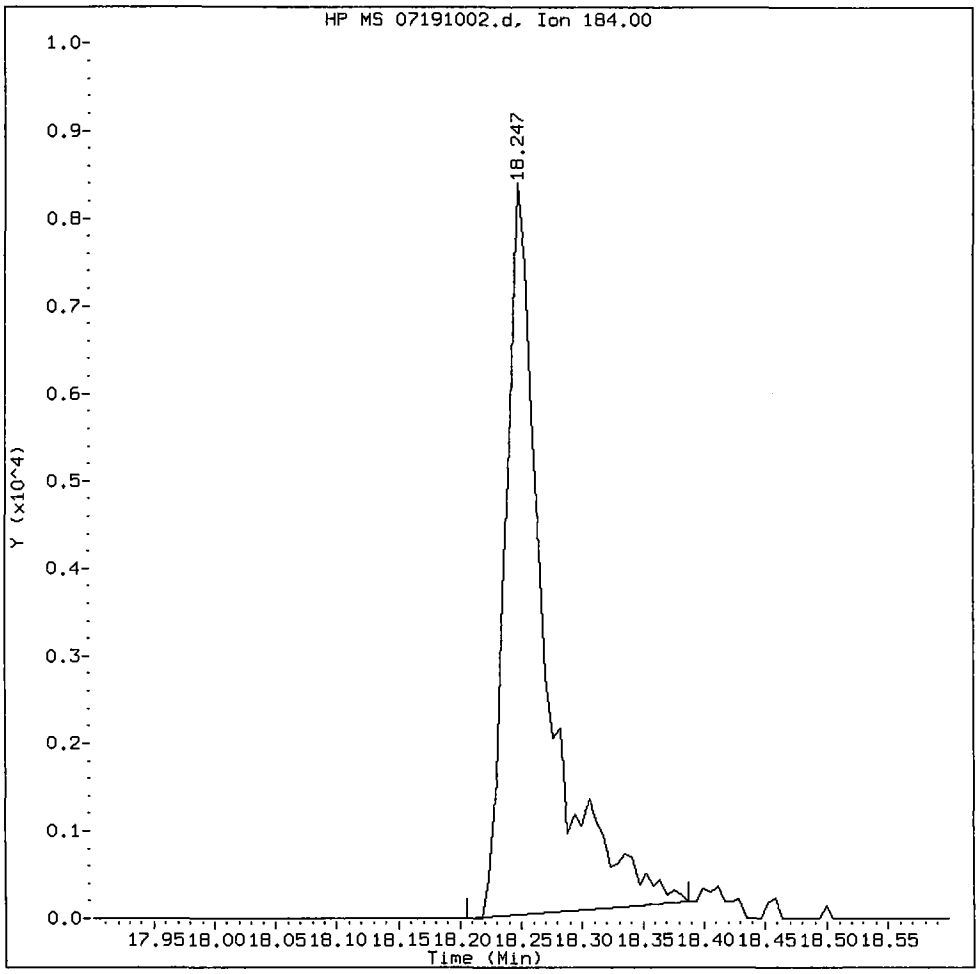
Compound: Benzidine
CAS Number:



DB 07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Benzidine Amount: 1.00 Area: 18817



MANUAL INTEGRATION for Benzidine

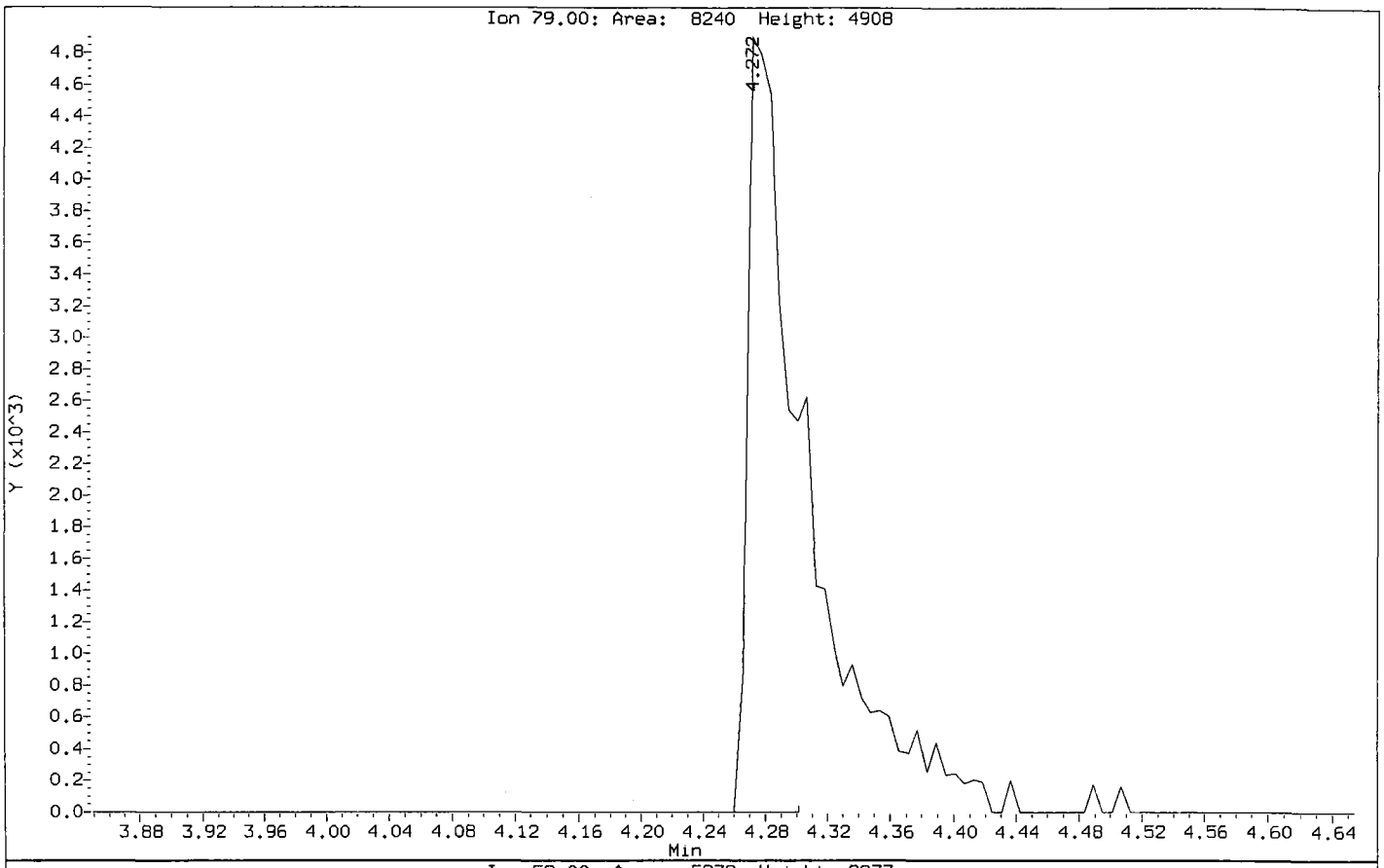
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

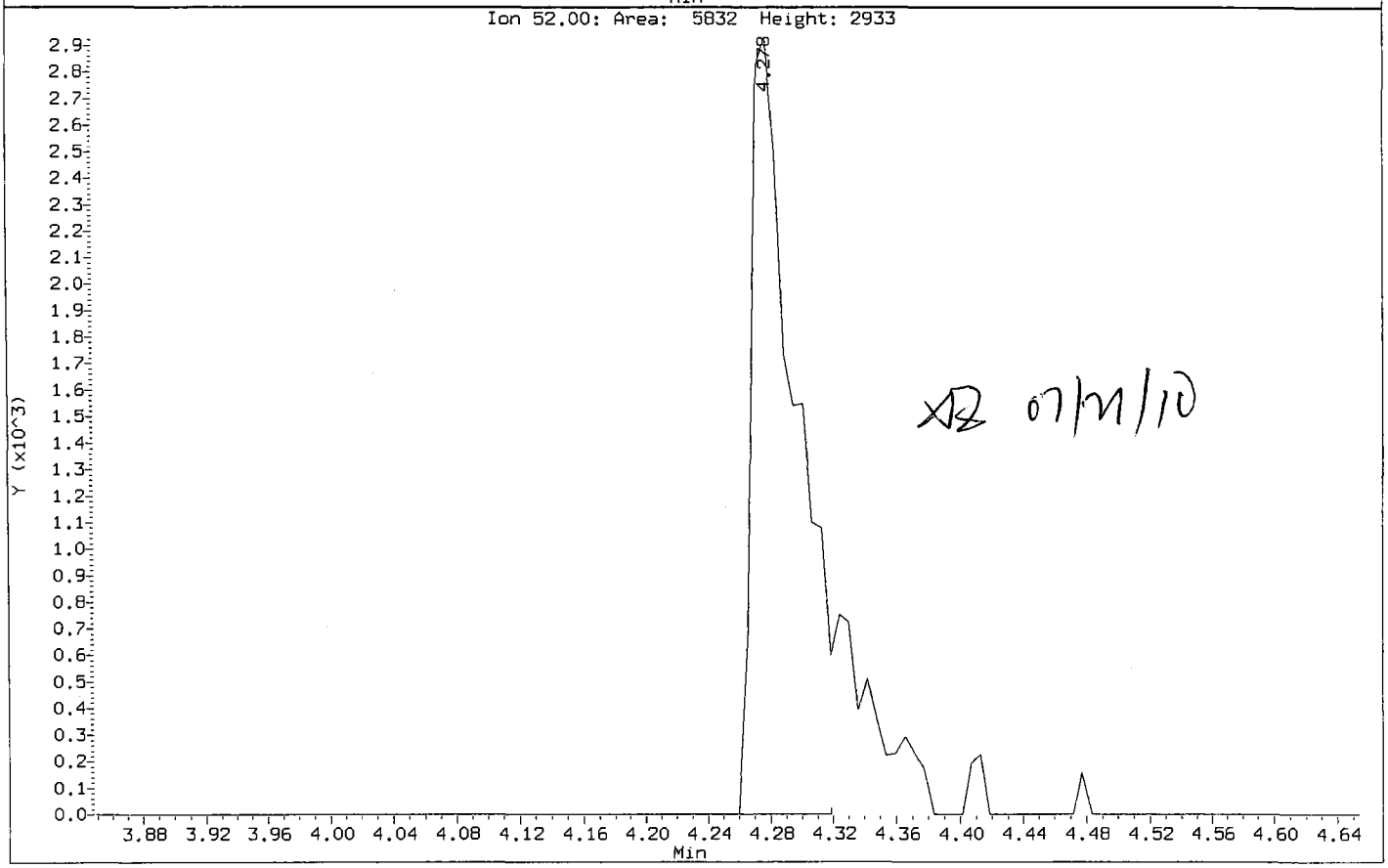
5. Other _____

Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

Compound: Pyridine
CAS Number:

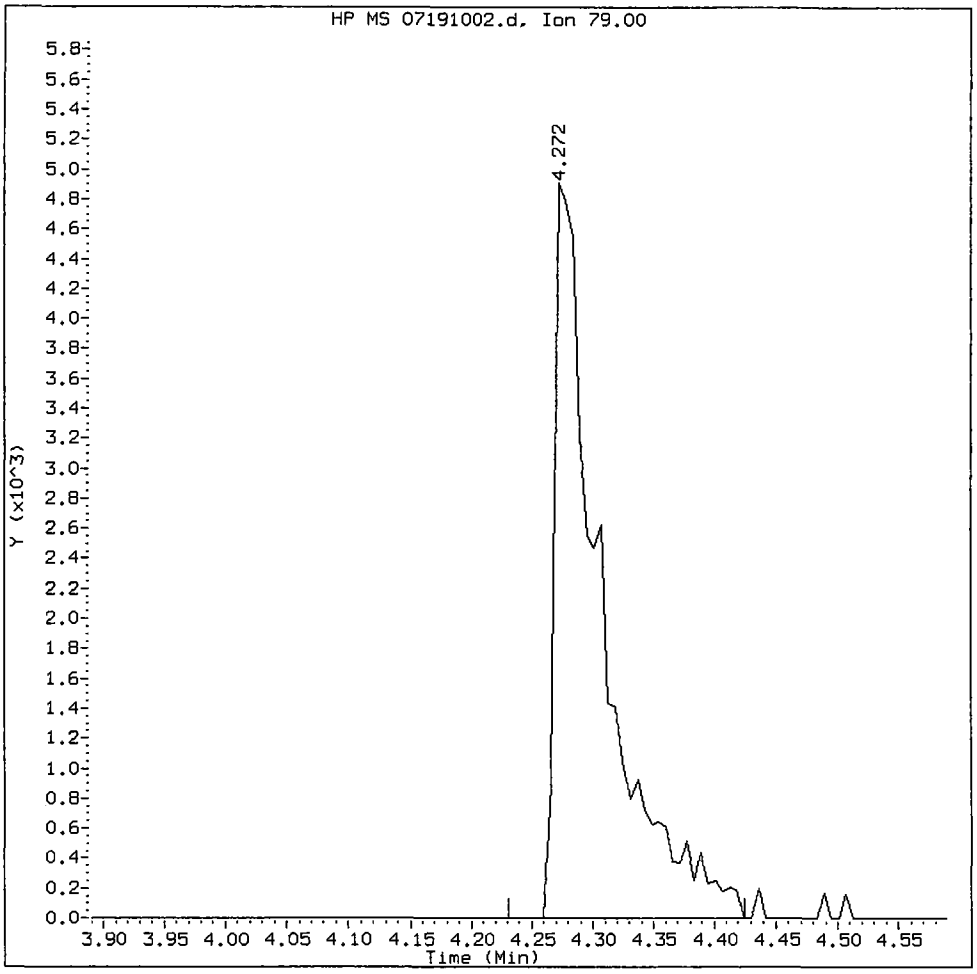




07/19/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Pyridine Amount: 1.00 Area: 13123



MANUAL INTEGRATION for Pyridine

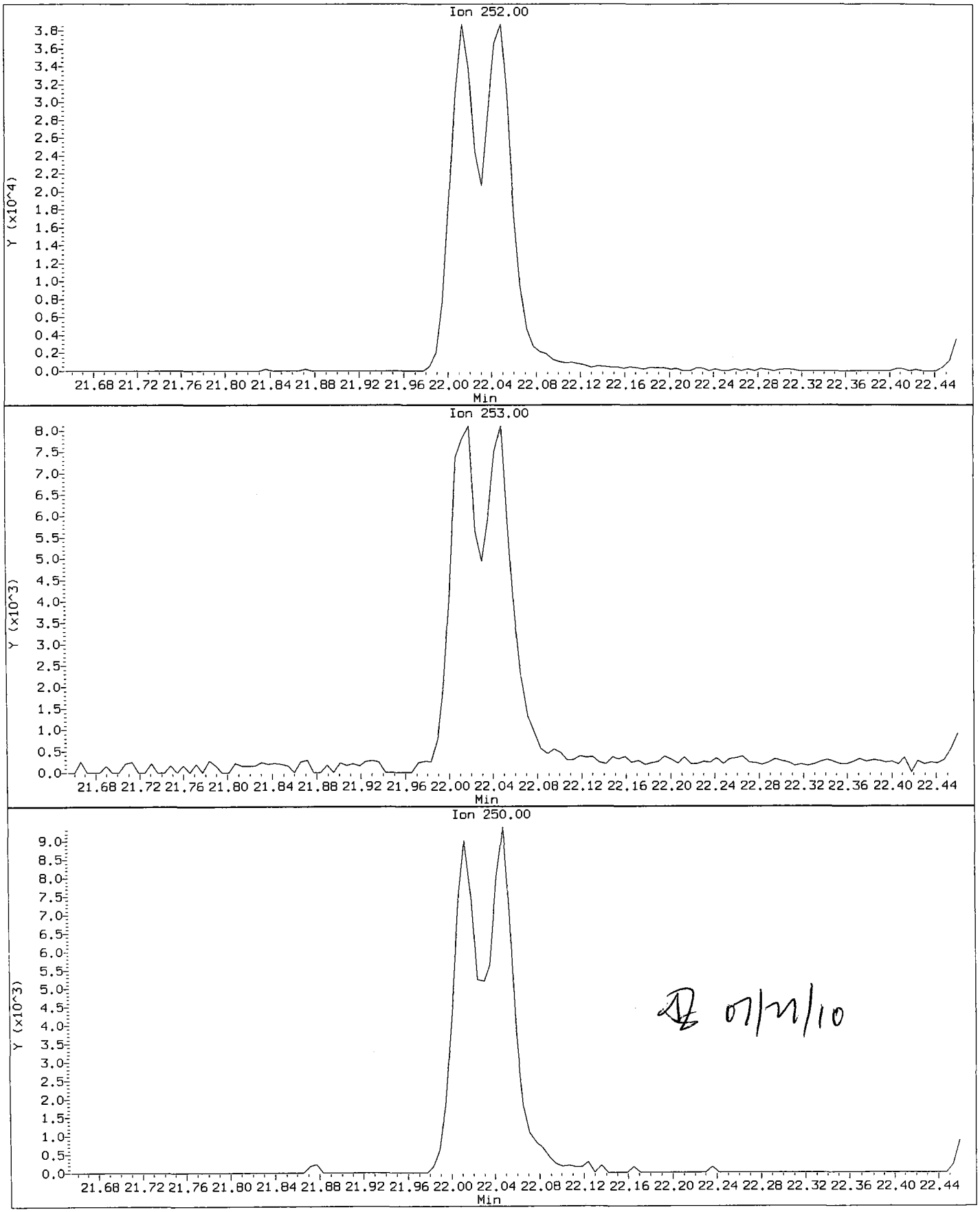
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

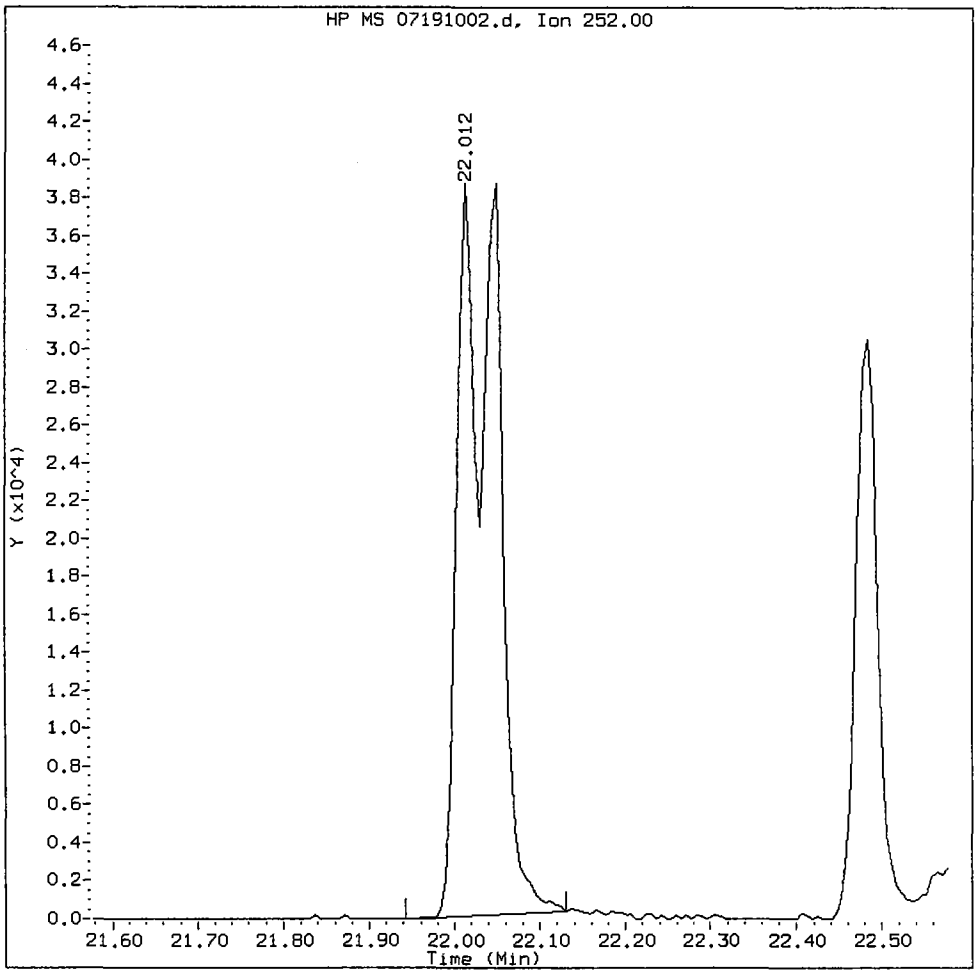
Compound: Total Benzofluoranthenes
CAS Number:



07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

Total Benzofluoranthenes Amount: 2.00 Area: 123956



MANUAL INTEGRATION for Total Benzofluoranthenes

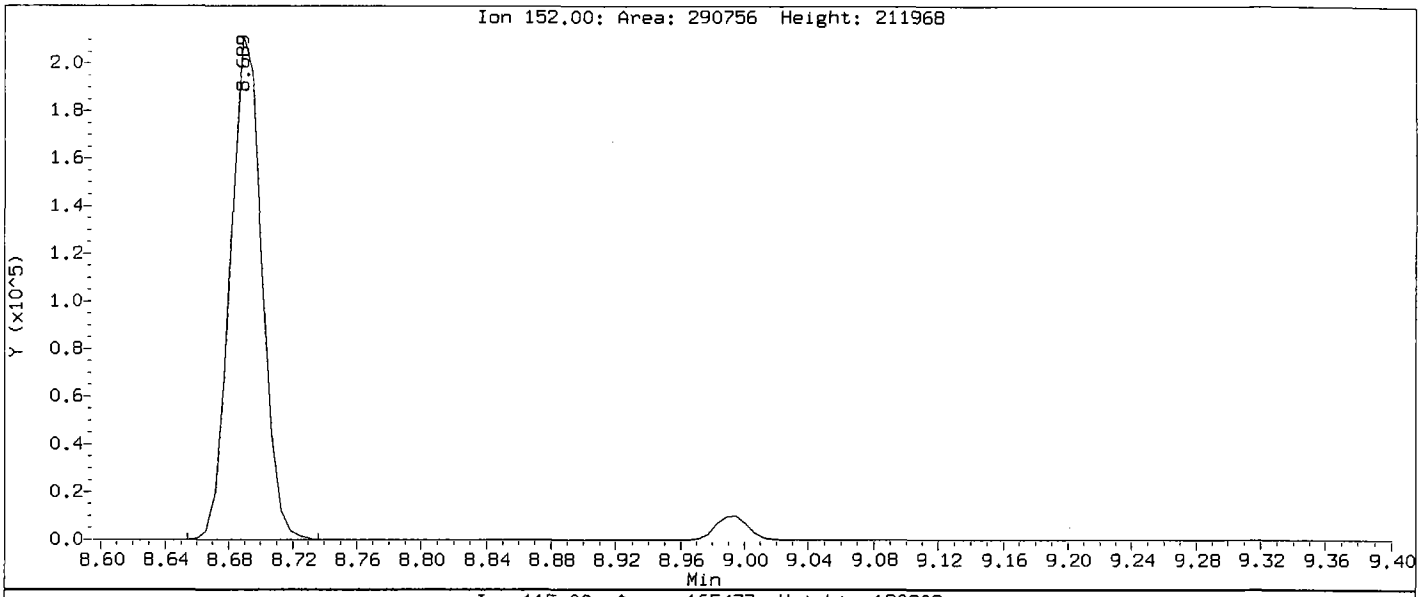
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

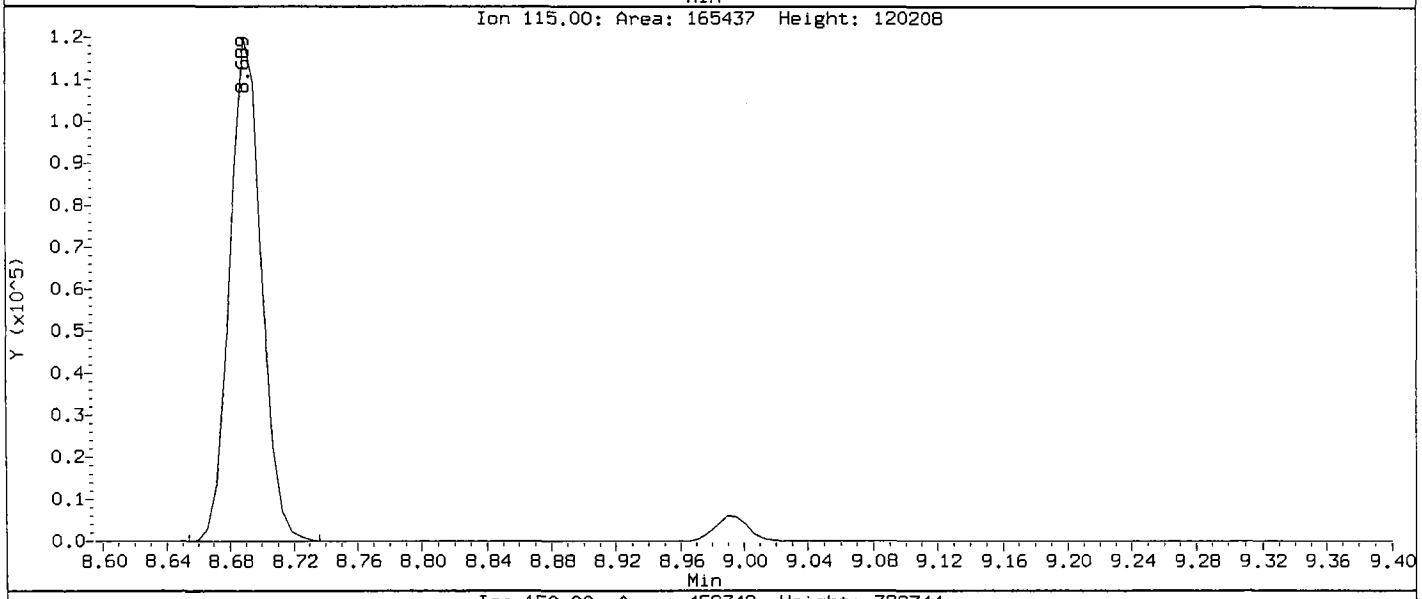
5. Other _____

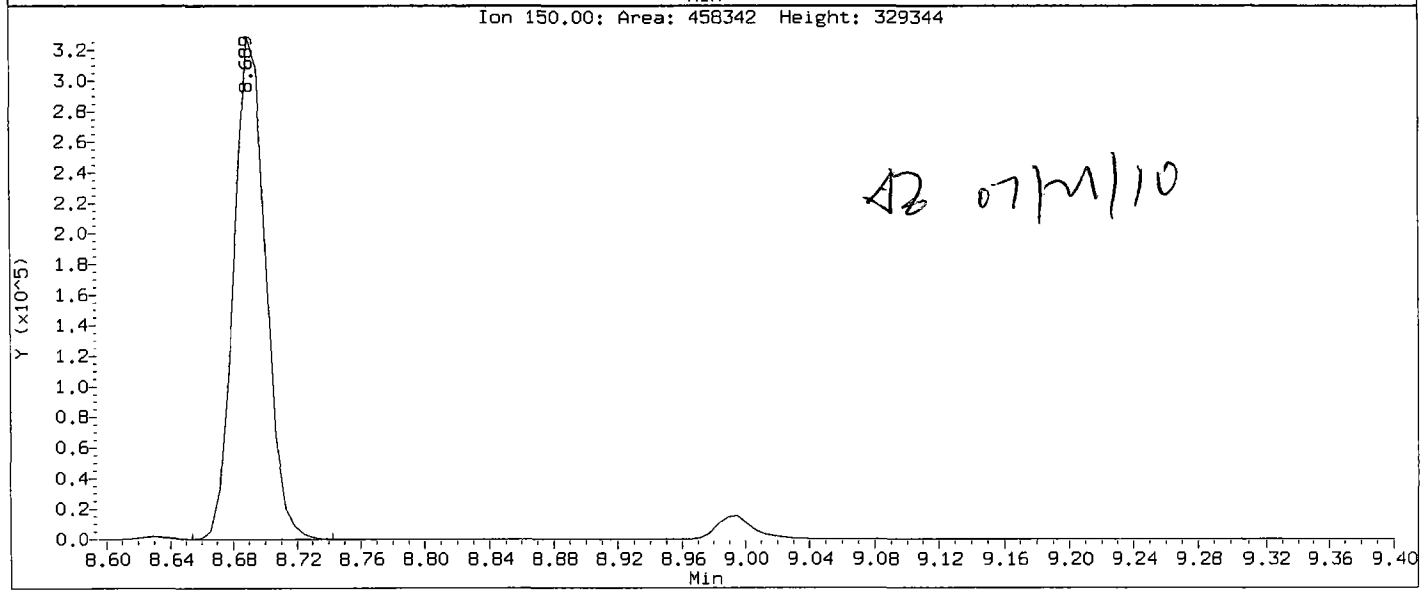
Analyst: AD Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191002.d
Injection Date: 19-JUL-2010 16:56
Instrument: nt4.i
Client Sample ID: IC010719

Compound: 1,2-Dichlorobenzene-d4
CAS Number: 2199-69-1



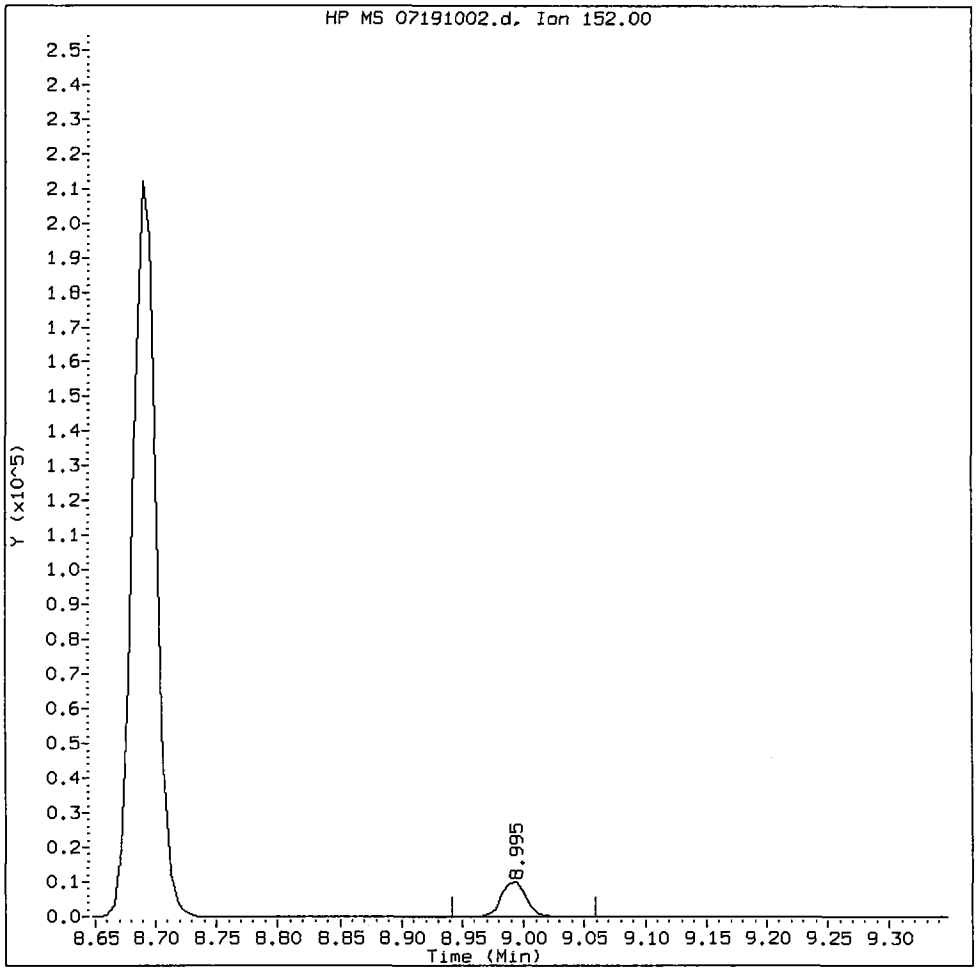




AB 07/21/10

IC010719, /chem3/nt4.i/20100719.b/07191002.d

1,2-Dichlorobenzene-d4 Amount: 1.00 Area: 14140



MANUAL INTEGRATION for 1,2-Dichlorobenzene-d4

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation
5. Other RT corrected

Analyst: [signature] Date: 07/21/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191003.d
Lab Smp Id: IC050719 Client Smp ID: IC050719
Inj Date : 19-JUL-2010 17:33
Operator : JZ Inst ID: nt4.i
Smp Info : IC050719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 17:33 Cal File: 07191003.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/21/10

AMOUNTS

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.724	6.737	(0.774)	78735	5.00000	4.912
$	2	Phenol-d5	99	8.210	8.229	(0.945)	78205	5.00000	5.059
	3	Phenol	94	8.228	8.252	(0.947)	104398	5.00000	4.945
$	5	2-Chlorophenol-d4	132	8.386	8.393	(0.965)	82652	5.00000	4.925
	4	Bis(2-Chloroethyl)ether	93	8.339	8.352	(0.959)	73772	5.00000	4.772
	6	2-Chlorophenol	128	8.410	8.423	(0.968)	95435	5.00000	4.973
	7	1,3-Dichlorobenzene	146	8.633	8.640	(0.993)	105213	5.00000	4.676
*	8	1,4-Dichlorobenzene-d4	152	8.692	8.699	(1.000)	280196	20.0000	
	9	1,4-Dichlorobenzene	146	8.715	8.722	(1.003)	106033	5.00000	4.713
$	10	1,2-Dichlorobenzene-d4	152	8.991	8.998	(1.034)	64046	5.00000	4.845
	12	1,2-Dichlorobenzene	146	9.015	9.022	(1.037)	100850	5.00000	4.766
	11	Benzyl alcohol	108	8.944	8.969	(1.029)	63901	5.00000	5.000
	14	2,2'-oxybis(1-Chloropropane)	45	9.203	9.216	(1.059)	71419	5.00000	4.734
	13	2-Methylphenol	108	9.162	9.181	(1.054)	77789	5.00000	5.256
	17	Hexachloroethane	117	9.508	9.509	(1.094)	39059	5.00000	4.853
	16	N-Nitroso-di-n-propylamine	70	9.414	9.445	(1.083)	52329	5.00000	4.869
	15	4-Methylphenol	108	9.391	9.415	(1.080)	81439	5.00000	5.192
$	18	Nitrobenzene-d5	82	9.614	9.627	(0.895)	83867	5.00000	5.032
	19	Nitrobenzene	77	9.644	9.662	(0.898)	81864	5.00000	4.830
	20	Isophorone	82	10.014	10.038	(0.932)	131381	5.00000	4.745
	21	2-Nitrophenol	139	10.160	10.173	(0.946)	47132	5.00000	5.339
	22	2,4-Dimethylphenol	107	10.237	10.256	(0.953)	92317	5.00000	5.160
	23	Bis(2-Chloroethoxy)methane	93	10.390	10.408	(0.967)	91416	5.00000	4.707
	24	Benzoic acid	105	10.354	10.567	(0.964)	76277	10.0000	10.00
	25	2,4-Dichlorophenol	162	10.531	10.549	(0.980)	76474	5.00000	5.428
	26	1,2,4-Trichlorobenzene	180	10.677	10.684	(0.994)	85339	5.00000	4.773
*	27	Naphthalene-d8	136	10.742	10.749	(1.000)	1016171	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	10.771	10.784	(1.003)	258970	5.00000	4.633
	29 4-Chloroaniline	127	10.895	10.908	(1.014)	101792	5.00000	5.051
	30 Hexachlorobutadiene	225	11.083	11.084	(1.032)	47045	5.00000	4.599
	31 4-Chloro-3-methylphenol	107	11.688	11.701	(1.088)	68890	5.00000	5.708
	32 2-Methylnaphthalene	142	11.893	11.906	(1.107)	168353	5.00000	4.703
	33 Hexachlorocyclopentadiene	237	12.275	12.282	(0.901)	36180	5.00000	5.000
	34 2,4,6-Trichlorophenol	196	12.404	12.411	(0.910)	53574	5.00000	5.374
	35 2,4,5-Trichlorophenol	196	12.457	12.470	(0.914)	52498	5.00000	5.856
$	36 2-Fluorobiphenyl	172	12.534	12.541	(0.920)	199267	5.00000	4.763
	37 2-Chloronaphthalene	162	12.686	12.699	(0.931)	168111	5.00000	4.743
	38 2-Nitroaniline	65	12.904	12.923	(0.947)	27788	5.00000	5.681
	39 Dimethylphthalate	163	13.262	13.287	(0.973)	194622	5.00000	4.726
	40 Acenaphthylene	152	13.374	13.381	(0.981)	262580	5.00000	4.738
	41 2,6-Dinitrotoluene	165	13.362	13.387	(0.981)	41526	5.00000	5.326
*	42 Acenaphthene-d10	164	13.626	13.633	(1.000)	598563	20.0000	
	43 3-Nitroaniline	138	13.579	13.610	(0.997)	40739	5.00000	5.050
	44 Acenaphthene	153	13.673	13.686	(1.003)	164445	5.00000	4.688
	45 2,4-Dinitrophenol	184	13.744	13.780	(1.009)	10990	10.0000	10.00
	46 Dibenzofuran	168	13.938	13.951	(1.023)	223252	5.00000	4.755
	47 4-Nitrophenol	109	13.855	13.880	(1.017)	22195	5.00000	5.000
	48 2,4-Dinitrotoluene	165	13.996	14.021	(1.027)	52686	5.00000	5.501
	50 Diethylphthalate	149	14.419	14.438	(1.058)	204717	5.00000	4.651
	49 Fluorene	166	14.502	14.514	(1.064)	194472	5.00000	4.735
	51 4-Chlorophenyl-phenylether	204	14.508	14.514	(1.065)	92222	5.00000	4.701
	52 4-Nitroaniline	138	14.584	14.626	(1.070)	41882	5.00000	4.989
	53 4,6-Dinitro-2-methylphenol	198	14.660	14.697	(0.915)	44569	10.0000	10.00
	54 N-Nitrosodiphenylamine	169	14.707	14.732	(0.918)	142712	5.00000	4.860
$	55 2,4,6-Tribromophenol	330	14.925	14.937	(1.095)	21266	5.00000	5.568
	56 4-Bromophenyl-phenylether	248	15.301	15.308	(0.955)	50780	5.00000	4.886
	57 Hexachlorobenzene	284	15.536	15.548	(0.970)	52822	5.00000	4.645
	58 Pentachlorophenol	266	15.823	15.842	(0.988)	30827	5.00000	5.000
*	59 Phenanthrene-d10	188	16.023	16.036	(1.000)	1007780	20.0000	
	60 Phenanthrene	178	16.058	16.077	(1.002)	271669	5.00000	4.593
	61 Anthracene	178	16.135	16.153	(1.007)	278839	5.00000	4.659
	62 Carbazole	167	16.405	16.424	(1.024)	254700	5.00000	4.690
	63 Di-n-butylphthalate	149	17.086	17.093	(1.066)	334748	5.00000	4.886
	64 Fluoranthene	202	18.015	18.027	(1.124)	277298	5.00000	4.716
	65 Pyrene	202	18.379	18.397	(0.902)	291105	5.00000	4.608
$	66 Terphenyl-d14	244	18.667	18.674	(0.916)	179825	5.00000	4.663
	67 Butylbenzylphthalate	149	19.530	19.543	(0.958)	137881	5.00000	4.979
	68 Benzo(a)anthracene	228	20.347	20.365	(0.999)	265449	5.00000	4.631
*	69 Chrysene-d12	240	20.376	20.389	(1.000)	879562	20.0000	
	70 3,3'-Dichlorobenzidine	252	20.335	20.348	(0.998)	88480	5.00000	5.218
	71 Chrysene	228	20.411	20.436	(1.002)	263806	5.00000	4.644
	72 bis(2-Ethylhexyl)phthalate	149	20.511	20.518	(0.956)	195395	5.00000	5.166
*	134 Di-n-octylphthalate-d4	153	21.451	21.458	(1.000)	1375669	20.0000	
	73 Di-n-octylphthalate	149	21.457	21.470	(1.000)	361557	5.00000	4.537

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	22.015	22.040	(0.975)	281777	5.00000	4.793
	75 Benzo(k)fluoranthene	252	22.044	22.075	(0.977)	281647	5.00000	4.569
	187 Total Benzofluoranthenes	252	22.044	22.075	(0.977)	534883	10.0000	9.404
	76 Benzo(a)pyrene	252	22.485	22.510	(0.996)	240795	5.00000	4.722
*	77 Perylene-d12	264	22.573	22.580	(1.000)	872109	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	24.406	24.454	(1.081)	235258	5.00000	4.931
	79 Dibenzo(a,h)anthracene	278	24.429	24.477	(1.082)	188107	5.00000	5.131
	80 Benzo(g,h,i)perylene	276	24.929	24.989	(1.104)	196313	5.00000	4.881
	90 N-Nitrosodimethylamine	74	4.257	4.281	(0.490)	42007	5.00000	4.807
	103 Pyridine	79	4.245	4.240	(0.488)	66826	5.00000	5.138
	91 Aniline	93	8.240	8.252	(0.948)	108308	5.00000	4.815
	105 1-methylnaphthalene	142	12.070	12.082	(1.124)	161677	5.00000	4.629
	93 Benzidine	184	18.244	18.251	(0.895)	95796	5.00000	5.069
	111 Azobenzene (1,2-DP-Hydrazine)	77	14.760	14.779	(1.083)	157755	5.00000	4.804
	143 1,4-Dioxane	88	3.487	3.494	(0.401)	27080	5.00000	
$	137 d8-1,4-Dioxane	96	3.417	3.424	(0.393)	28631	5.00000	
	151 1,2,4,5-Tetrachlorobenzene	216	12.234	12.247	(0.898)	81805	5.00000	4.737
	120 2,3,4,6-Tetrachlorophenol	232	14.214	14.221	(1.043)	42525	5.00000	5.269
	144 alpha-Terpineol	59	10.777	10.790	(1.003)	46405	5.00000	4.732
	98 Retene	219	18.925	18.932	(0.929)	92486	5.00000	4.782
	133 Butylatedhydroxytoluene	205	13.767	13.774	(1.010)	155768	5.00000	4.651
	115 Tributyl Phosphate	99	14.766	14.802	(0.922)	204221	5.00000	4.963
	116 Dibutyl Phenyl Phosphate	175	16.528	16.535	(1.032)	161048	5.00000	5.031
	117 Butyl Diphenyl Phosphate	94	18.232	18.245	(0.895)	43853	5.00000	4.912
	118 Triphenyl Phosphate	326	19.853	19.866	(0.974)	43306	5.00000	4.787
	123 Acetophenone	105	9.373	9.392	(0.873)	109435	5.00000	4.776
	179 n-Decane	57	8.498	8.505	(0.978)	57625	5.00000	4.716
	180 n-Octadecane	57	15.876	15.883	(0.991)	76689	5.00000	5.015
	168 Pentachlorobenzene	250	13.979	13.992	(1.026)	60444	5.00000	4.526
	113 Diphenyl Oxide	170	12.863	12.870	(0.944)	170904	5.00000	4.716
	112 Biphenyl	154	12.675	12.682	(0.930)	200895	5.00000	4.799
	110 Tetrachloroguaiacol	247	15.947	15.971	(0.995)	56098	10.0000	9.796
	109 3,4,5-Trichloroguaiacol	213	14.302	14.315	(0.893)	27754	5.00000	4.993
	181 3,4,6-Trichloroguaiacol	211	14.425	14.444	(0.900)	33397	5.00000	5.072
	108 4,5,6-Trichloroguaiacol	213	15.342	15.349	(0.957)	29137	5.00000	5.056
	184 3,4-Dichloroguaiacol	192	12.751	12.764	(0.936)	29266	5.00000	5.110
	107 4,5-Dichloroguaiacol	192	13.527	13.545	(0.993)	39384	5.00000	5.129
	182 4,6-Dichloroguaiacol	192	13.562	13.580	(0.995)	37541	5.00000	4.850
	185 4-Chloroguaiacol	115	11.653	11.660	(1.341)	19294	2.50000	2.552
	106 Guaiacol	124	9.632	9.645	(1.108)	77212	5.00000	4.885

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191003.d
Lab Smp Id: IC050719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC050719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	280196	-21.40
27 Naphthalene-d8	1293412	646706	2586824	1016171	-21.43
42 Acenaphthene-d10	785897	392948	1571794	598563	-23.84
59 Phenanthrene-d10	1313990	656995	2627980	1007780	-23.30
69 Chrysene-d12	1155293	577646	2310586	879562	-23.87
134 Di-n-octylphthala	1825297	912648	3650594	1375669	-24.63
77 Perylene-d12	1146289	573144	2292578	872109	-23.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.69	-0.07
27 Naphthalene-d8	10.74	10.24	11.24	10.74	0.00
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.00
59 Phenanthrene-d10	16.03	15.53	16.53	16.02	-0.04
69 Chrysene-d12	20.38	19.88	20.88	20.38	-0.03
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	0.00
77 Perylene-d12	22.58	22.08	23.08	22.57	-0.03

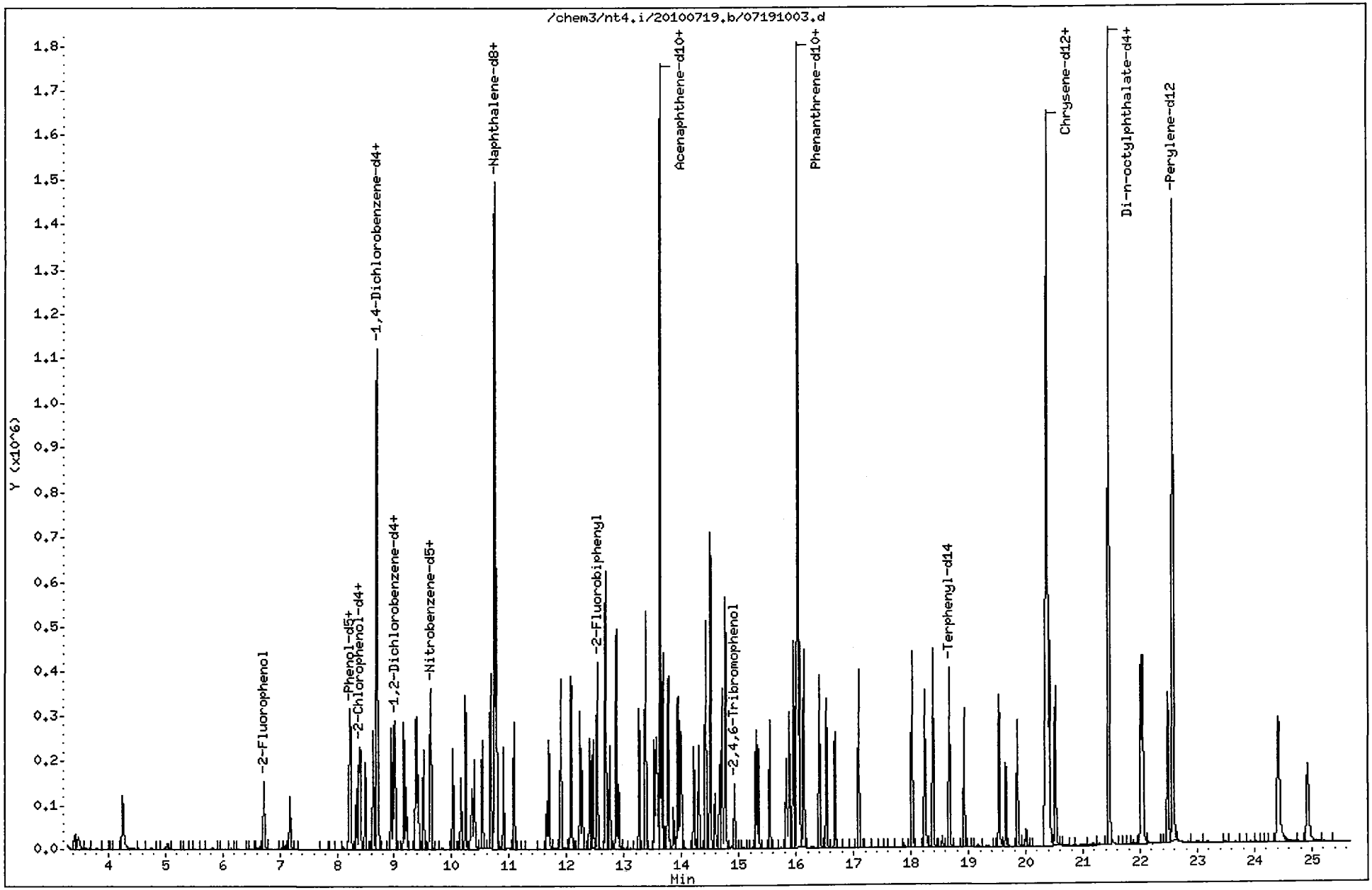
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191003.d
Date : 19-JUL-2010 17:33
Client ID: IC050719
Sample Info: IC050719

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191004.d
Lab Smp Id: IC100719 Client Smp ID: IC100719
Inj Date : 19-JUL-2010 18:07
Operator : JZ Inst ID: nt4.i
Smp Info : IC100719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 18:07 Cal File: 07191004.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/21/10

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.731	6.737	(0.774)	195589	10.0000	9.194
$	2	Phenol-d5	99	8.212	8.229	(0.945)	197945	10.0000	9.506
	3	Phenol	94	8.229	8.252	(0.947)	279288	10.0000	9.719
$	5	2-Chlorophenol-d4	132	8.388	8.393	(0.965)	210444	10.0000	9.370
	4	Bis(2-Chloroethyl)ether	93	8.341	8.352	(0.959)	199065	10.0000	9.541
	6	2-Chlorophenol	128	8.412	8.423	(0.968)	264045	10.0000	9.978
	7	1,3-Dichlorobenzene	146	8.635	8.640	(0.993)	290331	10.0000	9.556
*	8	1,4-Dichlorobenzene-d4	152	8.694	8.699	(1.000)	386803	20.0000	
	9	1,4-Dichlorobenzene	146	8.717	8.722	(1.003)	296132	10.0000	9.685
$	10	1,2-Dichlorobenzene-d4	152	8.993	8.998	(1.034)	155193	10.0000	8.951
	12	1,2-Dichlorobenzene	146	9.017	9.022	(1.037)	273270	10.0000	9.561
	11	Benzyl alcohol	108	8.952	8.969	(1.030)	154068	10.0000	9.323
	14	2,2'-oxybis(1-Chloropropane)	45	9.205	9.216	(1.059)	191814	10.0000	9.459
	13	2-Methylphenol	108	9.164	9.181	(1.054)	215302	10.0000	10.35
	17	Hexachloroethane	117	9.504	9.509	(1.093)	107610	10.0000	9.788
	16	N-Nitroso-di-n-propylamine	70	9.422	9.445	(1.084)	139869	10.0000	9.611
	15	4-Methylphenol	108	9.393	9.415	(1.080)	216352	10.0000	9.995
$	18	Nitrobenzene-d5	82	9.616	9.627	(0.895)	207435	10.0000	9.663
	19	Nitrobenzene	77	9.645	9.662	(0.898)	213986	10.0000	9.758
	20	Isophorone	82	10.015	10.038	(0.932)	349735	10.0000	9.760
	21	2-Nitrophenol	139	10.162	10.173	(0.946)	135384	10.0000	11.08
	22	2,4-Dimethylphenol	107	10.239	10.256	(0.953)	245541	10.0000	10.32
	23	Bis(2-Chloroethoxy)methane	93	10.391	10.408	(0.967)	242519	10.0000	9.686
	24	Benzoic acid	105	10.397	10.567	(0.968)	295968	20.0000	23.88
	25	2,4-Dichlorophenol	162	10.538	10.549	(0.981)	215361	10.0000	11.06
	26	1,2,4-Trichlorobenzene	180	10.679	10.684	(0.994)	225136	10.0000	9.740
*	27	Naphthalene-d8	136	10.744	10.749	(1.000)	1330824	20.0000	

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28	Naphthalene	128	10.773	10.784	(1.003)	675065	10.0000	9.468
	29	4-Chloroaniline	127	10.896	10.908	(1.014)	267945	10.0000	10.10
	30	Hexachlorobutadiene	225	11.084	11.084	(1.032)	128941	10.0000	9.747
	31	4-Chloro-3-methylphenol	107	11.690	11.701	(1.088)	198573	10.0000	11.57
	32	2-Methylnaphthalene	142	11.895	11.906	(1.107)	441444	10.0000	9.604
	33	Hexachlorocyclopentadiene	237	12.277	12.282	(0.901)	115371	10.0000	10.84
	34	2,4,6-Trichlorophenol	196	12.400	12.411	(0.910)	149916	10.0000	10.75
	35	2,4,5-Trichlorophenol	196	12.459	12.470	(0.914)	153093	10.0000	11.64
$	36	2-Fluorobiphenyl	172	12.535	12.541	(0.920)	472954	10.0000	8.873
	37	2-Chloronaphthalene	162	12.682	12.699	(0.931)	448480	10.0000	9.592
	38	2-Nitroaniline	65	12.906	12.923	(0.947)	90139	10.0000	12.19
	39	Dimethylphthalate	163	13.264	13.287	(0.973)	531928	10.0000	9.727
	40	Acenaphthylene	152	13.370	13.381	(0.981)	706222	10.0000	9.638
	41	2,6-Dinitrotoluene	165	13.364	13.387	(0.981)	120276	10.0000	10.93
*	42	Acenaphthene-d10	164	13.628	13.633	(1.000)	805701	20.0000	
	43	3-Nitroaniline	138	13.587	13.610	(0.997)	117521	10.0000	10.53
	44	Acenaphthene	153	13.675	13.686	(1.003)	447973	10.0000	9.653
	45	2,4-Dinitrophenol	184	13.751	13.780	(1.009)	84130	20.0000	29.59
	46	Dibenzofuran	168	13.939	13.951	(1.023)	603633	10.0000	9.696
	47	4-Nitrophenol	109	13.857	13.880	(1.017)	72927	10.0000	10.99
	48	2,4-Dinitrotoluene	165	13.998	14.021	(1.027)	161965	10.0000	11.57
	50	Diethylphthalate	149	14.421	14.438	(1.058)	568753	10.0000	9.730
	49	Fluorene	166	14.497	14.514	(1.064)	529962	10.0000	9.720
	51	4-Chlorophenyl-phenylether	204	14.509	14.514	(1.065)	248604	10.0000	9.602
	52	4-Nitroaniline	138	14.586	14.626	(1.070)	109583	10.0000	9.797
	53	4,6-Dinitro-2-methylphenol	198	14.662	14.697	(0.915)	167601	20.0000	23.46
	54	N-Nitrosodiphenylamine	169	14.709	14.732	(0.918)	390380	10.0000	10.02
$	55	2,4,6-Tribromophenol	330	14.920	14.937	(1.095)	56765	10.0000	10.67
	56	4-Bromophenyl-phenylether	248	15.296	15.308	(0.955)	140953	10.0000	10.15
	57	Hexachlorobenzene	284	15.537	15.548	(0.970)	142687	10.0000	9.639
	58	Pentachlorophenol	266	15.825	15.842	(0.988)	92866	10.0000	10.64
*	59	Phenanthrene-d10	188	16.025	16.036	(1.000)	1335679	20.0000	
	60	Phenanthrene	178	16.060	16.077	(1.002)	723729	10.0000	9.474
	61	Anthracene	178	16.136	16.153	(1.007)	750646	10.0000	9.636
	62	Carbazole	167	16.407	16.424	(1.024)	660077	10.0000	9.431
	63	Di-n-butylphthalate	149	17.088	17.093	(1.066)	906961	10.0000	9.993
	64	Fluoranthene	202	18.016	18.027	(1.124)	764738	10.0000	9.875
	65	Pyrene	202	18.380	18.397	(0.902)	787792	10.0000	9.358
$	66	Terphenyl-d14	244	18.662	18.674	(0.916)	448627	10.0000	8.916
	67	Butylbenzylphthalate	149	19.532	19.543	(0.958)	418550	10.0000	10.64
	68	Benzo(a)anthracene	228	20.348	20.365	(0.999)	750485	10.0000	9.673
*	69	Chrysene-d12	240	20.378	20.389	(1.000)	1209826	20.0000	
	70	3,3'-Dichlorobenzidine	252	20.337	20.348	(0.998)	255812	10.0000	10.62
	71	Chrysene	228	20.413	20.436	(1.002)	734332	10.0000	9.591
	72	bis(2-Ethylhexyl)phthalate	149	20.513	20.518	(0.956)	588126	10.0000	10.78
*	134	Di-n-octylphthalate-d4	153	21.447	21.458	(1.000)	1905755	20.0000	
	73	Di-n-octylphthalate	149	21.459	21.470	(1.001)	1013433	10.0000	9.438

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	22.017	22.040	(0.975)	783710	10.0000	9.824
75	Benzo(k)fluoranthene	252	22.046	22.075	(0.977)	795376	10.0000	9.609
187	Total Benzofluoranthenes	252	22.046	22.075	(0.977)	1484981	20.0000	19.37
76	Benzo(a)pyrene	252	22.481	22.510	(0.996)	675517	10.0000	9.782
* 77	Perylene-d12	264	22.575	22.580	(1.000)	1193862	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	24.413	24.454	(1.081)	713289	10.0000	10.60
79	Dibenzo(a,h)anthracene	278	24.431	24.477	(1.082)	577618	10.0000	10.96
80	Benzo(g,h,i)perylene	276	24.936	24.989	(1.105)	629032	10.0000	10.91
90	N-Nitrosodimethylamine	74	4.276	4.281	(0.492)	109696	10.0000	9.377
103	Pyridine	79	4.258	4.240	(0.490)	201572	10.0000	10.79
91	Aniline	93	8.241	8.252	(0.948)	288356	10.0000	9.513
105	1-methylnaphthalene	142	12.071	12.082	(1.124)	428993	10.0000	9.576
93	Benzidine	184	18.245	18.251	(0.895)	250888	10.0000	9.765
111	Azobenzene (1,2-DP-Hydrazine)	77	14.762	14.779	(1.083)	427139	10.0000	9.774
143	1,4-Dioxane	88	3.512	3.494	(0.404)	74401	10.0000	
$ 137	d8-1,4-Dioxane	96	3.448	3.424	(0.397)	76835	10.0000	
151	1,2,4,5-Tetrachlorobenzene	216	12.236	12.247	(0.898)	205530	10.0000	9.197
120	2,3,4,6-Tetrachlorophenol	232	14.210	14.221	(1.043)	123547	10.0000	10.87
144	alpha-Terpineol	59	10.773	10.790	(1.003)	115158	10.0000	9.287
98	Retene	219	18.921	18.932	(0.928)	253770	10.0000	9.689
133	Butylatedhydroxytoluene	205	13.763	13.774	(1.010)	400152	10.0000	9.222
115	Tributyl Phosphate	99	14.768	14.802	(0.922)	550197	10.0000	10.06
116	Dibutyl Phenyl Phosphate	175	16.524	16.535	(1.031)	428511	10.0000	10.07
117	Butyl Diphenyl Phosphate	94	18.234	18.245	(0.895)	121912	10.0000	9.952
118	Triphenyl Phosphate	326	19.855	19.866	(0.974)	122543	10.0000	9.898
123	Acetophenone	105	9.375	9.392	(0.873)	298771	10.0000	9.971
179	n-Decane	57	8.500	8.505	(0.978)	160692	10.0000	9.679
180	n-Octadecane	57	15.878	15.883	(0.991)	200941	10.0000	9.943
168	Pentachlorobenzene	250	13.981	13.992	(1.026)	169400	10.0000	9.608
113	Diphenyl Oxide	170	12.864	12.870	(0.944)	439084	10.0000	9.312
112	Biphenyl	154	12.671	12.682	(0.930)	521643	10.0000	9.492
110	Tetrachloroguaiacol	247	15.948	15.971	(0.995)	158817	20.0000	20.61
109	3,4,5-Trichloroguaiacol	213	14.304	14.315	(0.893)	82226	10.0000	10.74
181	3,4,6-Trichloroguaiacol	211	14.427	14.444	(0.900)	98454	10.0000	10.82
108	4,5,6-Trichloroguaiacol	213	15.338	15.349	(0.957)	85057	10.0000	10.73
184	3,4-Dichloroguaiacol	192	12.753	12.764	(0.936)	81053	10.0000	10.34
107	4,5-Dichloroguaiacol	192	13.528	13.545	(0.993)	114248	10.0000	10.68
182	4,6-Dichloroguaiacol	192	13.563	13.580	(0.995)	102418	10.0000	9.886
185	4-Chloroguaiacol	115	11.648	11.660	(1.340)	56264	5.00000	5.254
106	Guaiacol	124	9.633	9.645	(1.108)	201151	10.0000	9.466

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191004.d
Lab Smp Id: IC100719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC100719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	386803	8.51
27 Naphthalene-d8	1293412	646706	2586824	1330824	2.89
42 Acenaphthene-d10	785897	392948	1571794	805701	2.52
59 Phenanthrene-d10	1313990	656995	2627980	1335679	1.65
69 Chrysene-d12	1155293	577646	2310586	1209826	4.72
134 Di-n-octylphthala	1825297	912648	3650594	1905755	4.41
77 Perylene-d12	1146289	573144	2292578	1193862	4.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.69	-0.05
27 Naphthalene-d8	10.74	10.24	11.24	10.74	0.01
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.01
59 Phenanthrene-d10	16.03	15.53	16.53	16.02	-0.03
69 Chrysene-d12	20.38	19.88	20.88	20.38	-0.02
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	-0.02
77 Perylene-d12	22.58	22.08	23.08	22.57	-0.02

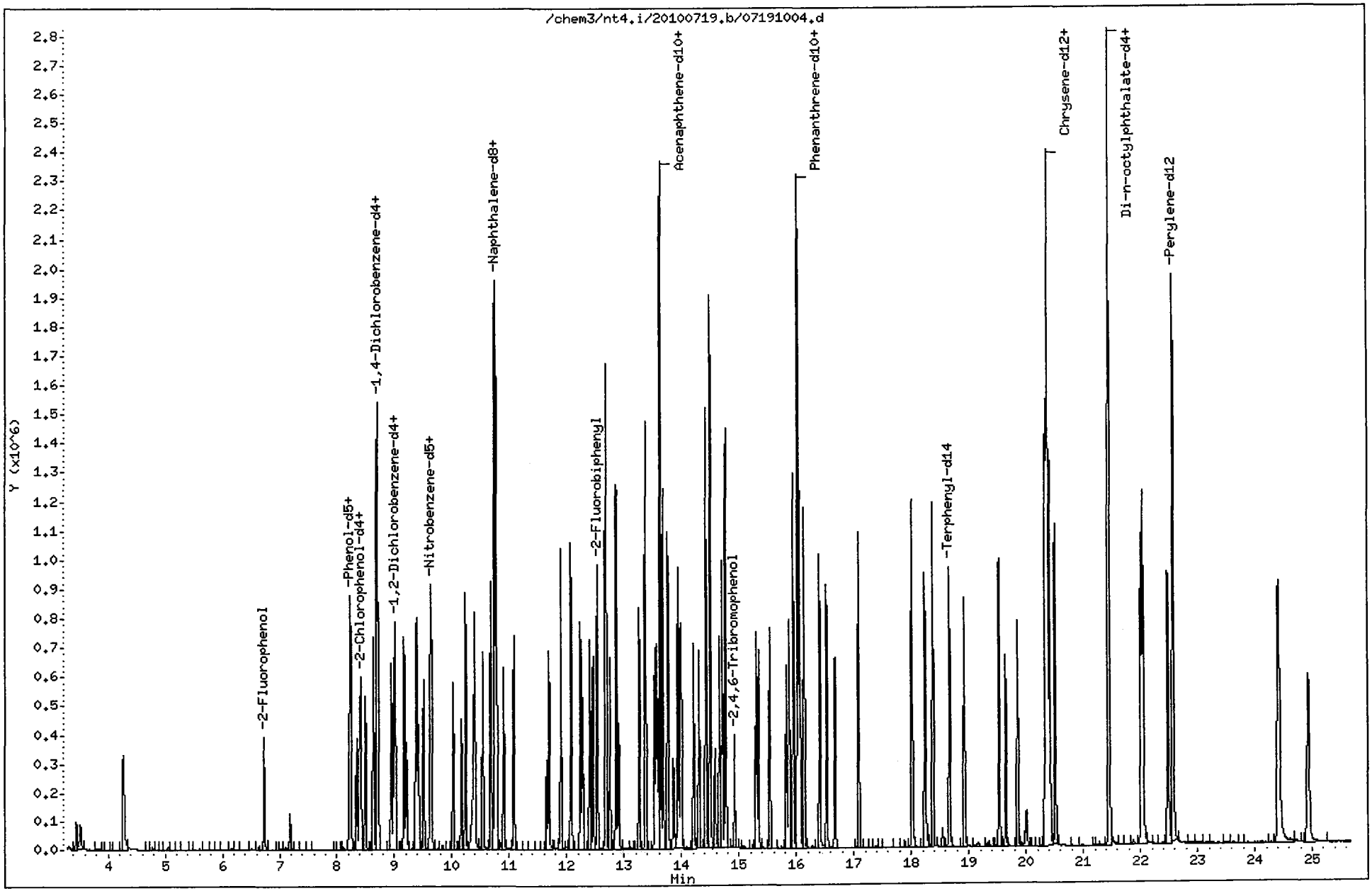
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191004.d
Date : 19-JUL-2010 18:07
Client ID: IC100719
Sample Info: IC100719

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191001.d
Lab Smp Id: IC250719 Client Smp ID: IC250719
Inj Date : 19-JUL-2010 16:18
Operator : JZ Inst ID: nt4.i
Smp Info : IC250719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 16:18 Cal File: 07191001.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/21/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.736	6.737	(0.774)	509094	25.0000	25.72
$	2 Phenol-d5	99	8.216	8.229	(0.945)	502390	25.0000	25.87
	3 Phenol	94	8.234	8.252	(0.947)	633003	25.0000	24.17
$	5 2-Chlorophenol-d4	132	8.387	8.393	(0.964)	529269	25.0000	25.43
	4 Bis(2-Chloroethyl)ether	93	8.346	8.352	(0.959)	456355	25.0000	24.04
	6 2-Chlorophenol	128	8.416	8.423	(0.968)	608173	25.0000	24.95
	7 1,3-Dichlorobenzene	146	8.633	8.640	(0.993)	660365	25.0000	23.92
*	8 1,4-Dichlorobenzene-d4	152	8.698	8.699	(1.000)	356478	20.0000	
	9 1,4-Dichlorobenzene	146	8.721	8.722	(1.003)	671032	25.0000	24.10
$	10 1,2-Dichlorobenzene-d4	152	8.998	8.998	(1.034)	379735	25.0000	24.06
	12 1,2-Dichlorobenzene	146	9.015	9.022	(1.036)	618747	25.0000	23.85
	11 Benzyl alcohol	108	8.956	8.969	(1.030)	349815	25.0000	23.61
	14 2,2'-oxybis(1-Chloropropane)	45	9.209	9.216	(1.059)	428872	25.0000	23.43
	13 2-Methylphenol	108	9.174	9.181	(1.055)	489525	25.0000	25.40
	17 Hexachloroethane	117	9.509	9.509	(1.093)	249727	25.0000	24.73
	16 N-Nitroso-di-n-propylamine	70	9.426	9.445	(1.084)	318375	25.0000	24.04
	15 4-Methylphenol	108	9.397	9.415	(1.080)	504582	25.0000	25.22
$	18 Nitrobenzene-d5	82	9.620	9.627	(0.896)	514519	25.0000	24.74
	19 Nitrobenzene	77	9.650	9.662	(0.898)	489280	25.0000	23.44
	20 Isophorone	82	10.026	10.038	(0.933)	813652	25.0000	23.75
	21 2-Nitrophenol	139	10.167	10.173	(0.946)	334369	25.0000	27.29
	22 2,4-Dimethylphenol	107	10.243	10.256	(0.954)	572473	25.0000	24.81
	23 Bis(2-Chloroethoxy)methane	93	10.396	10.408	(0.968)	576503	25.0000	24.00
	24 Benzoic acid	105	10.466	10.567	(0.974)	865635	50.0000	62.72
	25 2,4-Dichlorophenol	162	10.543	10.549	(0.981)	527621	25.0000	27.09
	26 1,2,4-Trichlorobenzene	180	10.684	10.684	(0.995)	536705	25.0000	24.16
*	27 Naphthalene-d8	136	10.742	10.749	(1.000)	1293412	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	10.778	10.784	(1.003)	1556045	25.0000	23.04
	29 4-Chloroaniline	127	10.901	10.908	(1.015)	637156	25.0000	24.79
	30 Hexachlorobutadiene	225	11.083	11.084	(1.032)	301348	25.0000	23.81
	31 4-Chloro-3-methylphenol	107	11.694	11.701	(1.089)	500175	25.0000	28.57
	32 2-Methylnaphthalene	142	11.900	11.906	(1.108)	1050247	25.0000	23.86
	33 Hexachlorocyclopentadiene	237	12.281	12.282	(0.901)	313309	25.0000	28.24
	34 2,4,6-Trichlorophenol	196	12.405	12.411	(0.910)	377521	25.0000	27.01
	35 2,4,5-Trichlorophenol	196	12.463	12.470	(0.915)	403239	25.0000	29.54
$	36 2-Fluorobiphenyl	172	12.540	12.541	(0.920)	1236271	25.0000	24.07
	37 2-Chloronaphthalene	162	12.687	12.699	(0.931)	1084794	25.0000	24.08
	38 2-Nitroaniline	65	12.910	12.923	(0.947)	233355	25.0000	30.14
	39 Dimethylphthalate	163	13.268	13.287	(0.974)	1257560	25.0000	23.92
	40 Acenaphthylene	152	13.374	13.381	(0.981)	1642937	25.0000	23.46
	41 2,6-Dinitrotoluene	165	13.374	13.387	(0.981)	299507	25.0000	27.11
*	42 Acenaphthene-d10	164	13.627	13.633	(1.000)	785897	20.0000	
	43 3-Nitroaniline	138	13.591	13.610	(0.997)	270236	25.0000	24.87
	44 Acenaphthene	153	13.679	13.686	(1.004)	1047303	25.0000	23.58
	45 2,4-Dinitrophenol	184	13.756	13.780	(1.009)	317048	50.0000	80.02
	46 Dibenzofuran	168	13.944	13.951	(1.023)	1398933	25.0000	23.50
	47 4-Nitrophenol	109	13.867	13.880	(1.018)	191448	25.0000	27.88
	48 2,4-Dinitrotoluene	165	14.008	14.021	(1.028)	397346	25.0000	27.96
	50 Diethylphthalate	149	14.431	14.438	(1.059)	1294538	25.0000	23.24
	49 Fluorene	166	14.508	14.514	(1.065)	1237613	25.0000	23.68
	51 4-Chlorophenyl-phenylether	204	14.514	14.514	(1.065)	591928	25.0000	23.81
	52 4-Nitroaniline	138	14.596	14.626	(1.071)	259237	25.0000	24.06
	53 4,6-Dinitro-2-methylphenol	198	14.672	14.697	(0.915)	487973	50.0000	61.47
	54 N-Nitrosodiphenylamine	169	14.713	14.732	(0.918)	928356	25.0000	24.41
$	55 2,4,6-Tribromophenol	330	14.931	14.937	(1.096)	153201	25.0000	28.25
	56 4-Bromophenyl-phenylether	248	15.301	15.308	(0.955)	337061	25.0000	24.76
	57 Hexachlorobenzene	284	15.542	15.548	(0.970)	336992	25.0000	23.58
	58 Pentachlorophenol	266	15.830	15.842	(0.988)	246760	25.0000	27.37
*	59 Phenanthrene-d10	188	16.029	16.036	(1.000)	1313990	20.0000	
	60 Phenanthrene	178	16.064	16.077	(1.002)	1705790	25.0000	23.23
	61 Anthracene	178	16.141	16.153	(1.007)	1764147	25.0000	23.48
	62 Carbazole	167	16.411	16.424	(1.024)	1555593	25.0000	23.15
	63 Di-n-butylphthalate	149	17.093	17.093	(1.066)	2121495	25.0000	24.06
	64 Fluoranthene	202	18.021	18.027	(1.124)	1808894	25.0000	24.05
	65 Pyrene	202	18.385	18.397	(0.902)	1867259	25.0000	23.65
$	66 Terphenyl-d14	244	18.667	18.674	(0.916)	1158832	25.0000	24.33
	67 Butylbenzylphthalate	149	19.536	19.543	(0.958)	970822	25.0000	25.62
	68 Benzo(a)anthracene	228	20.353	20.365	(0.999)	1698446	25.0000	23.41
*	69 Chrysene-d12	240	20.382	20.389	(1.000)	1155293	20.0000	
	70 3,3'-Dichlorobenzidine	252	20.341	20.348	(0.998)	576157	25.0000	25.04
	71 Chrysene	228	20.423	20.436	(1.002)	1672513	25.0000	23.37
	72 bis(2-Ethylhexyl)phthalate	149	20.517	20.518	(0.956)	1334441	25.0000	25.41
*	134 Di-n-octylphthalate-d4	153	21.451	21.458	(1.000)	1825297	20.0000	
	73 Di-n-octylphthalate	149	21.463	21.470	(1.001)	2271687	25.0000	22.75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	22.021	22.040	(0.975)	1734852	25.0000	23.19
	75 Benzo(k)fluoranthene	252	22.056	22.075	(0.977)	1915421	25.0000	24.32
	187 Total Benzofluoranthenes	252	22.056	22.075	(0.977)	3436118	50.0000	47.47
	76 Benzo(a)pyrene	252	22.491	22.510	(0.996)	1612522	25.0000	24.49
*	77 Perylene-d12	264	22.579	22.580	(1.000)	1146289	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	24.424	24.454	(1.082)	1783402	25.0000	26.89
	79 Dibenzo(a,h)anthracene	278	24.447	24.477	(1.083)	1472138	25.0000	27.94
	80 Benzo(g,h,i)perylene	276	24.958	24.989	(1.105)	1499429	25.0000	26.53
	90 N-Nitrosodimethylamine	74	4.280	4.281	(0.492)	258666	25.0000	24.24
	103 Pyridine	79	4.251	4.240	(0.489)	474630	25.0000	26.87
	91 Aniline	93	8.246	8.252	(0.948)	641945	25.0000	23.45
	105 1-methylnaphthalene	142	12.076	12.082	(1.124)	1026237	25.0000	23.91
	93 Benzidine	184	18.250	18.251	(0.895)	500943	25.0000	21.40
	111 Azobenzene (1,2-DP-Hydrazine)	77	14.766	14.779	(1.084)	965964	25.0000	23.20
	143 1,4-Dioxane	88	3.511	3.494	(0.404)	171754	25.0000	
$	137 d8-1,4-Dioxane	96	3.440	3.424	(0.396)	177040	25.0000	
	151 1,2,4,5-Tetrachlorobenzene	216	12.240	12.247	(0.898)	514416	25.0000	23.93
	120 2,3,4,6-Tetrachlorophenol	232	14.214	14.221	(1.043)	321030	25.0000	27.86
	144 alpha-Terpineol	59	10.783	10.790	(1.004)	272097	25.0000	23.14
	98 Retene	219	18.925	18.932	(0.929)	632122	25.0000	25.20
	133 Butylatedhydroxytoluene	205	13.768	13.774	(1.010)	959628	25.0000	23.21
	115 Tributyl Phosphate	99	14.778	14.802	(0.922)	1270123	25.0000	23.94
	116 Dibutyl Phenyl Phosphate	175	16.529	16.535	(1.031)	1078412	25.0000	25.56
	117 Butyl Diphenyl Phosphate	94	18.238	18.245	(0.895)	316769	25.0000	26.53
	118 Triphenyl Phosphate	326	19.859	19.866	(0.974)	303151	25.0000	25.48
	123 Acetophenone	105	9.379	9.392	(0.873)	677189	25.0000	23.67
	179 n-Decane	57	8.498	8.505	(0.977)	358983	25.0000	23.83
	180 n-Octadecane	57	15.876	15.883	(0.990)	455513	25.0000	23.40
	168 Pentachlorobenzene	250	13.985	13.992	(1.026)	401776	25.0000	23.75
	113 Diphenyl Oxide	170	12.863	12.870	(0.944)	1050883	25.0000	23.35
	112 Biphenyl	154	12.675	12.682	(0.930)	1229577	25.0000	23.42
	110 Tetrachloroguaiacol	247	15.959	15.971	(0.996)	400470	50.0000	52.09
	109 3,4,5-Trichloroguaiacol	213	14.308	14.315	(0.893)	204465	25.0000	26.58
	181 3,4,6-Trichloroguaiacol	211	14.431	14.444	(0.900)	243206	25.0000	26.59
	108 4,5,6-Trichloroguaiacol	213	15.342	15.349	(0.957)	212755	25.0000	26.67
	184 3,4-Dichloroguaiacol	192	12.757	12.764	(0.936)	210509	25.0000	26.84
	107 4,5-Dichloroguaiacol	192	13.539	13.545	(0.994)	282749	25.0000	26.54
	182 4,6-Dichloroguaiacol	192	13.568	13.580	(0.996)	265540	25.0000	25.95
	185 4-Chloroguaiacol	115	11.653	11.660	(1.340)	145555	12.5000	14.11
	106 Guaiacol	124	9.638	9.645	(1.108)	478994	25.0000	24.59

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191001.d
Lab Smp Id: IC250719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC250719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	356478	0.00
27 Naphthalene-d8	1293412	646706	2586824	1293412	0.00
42 Acenaphthene-d10	785897	392948	1571794	785897	0.00
59 Phenanthrene-d10	1313990	656995	2627980	1313990	0.00
69 Chrysene-d12	1155293	577646	2310586	1155293	0.00
134 Di-n-octylphthala	1825297	912648	3650594	1825297	0.00
77 Perylene-d12	1146289	573144	2292578	1146289	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.70	0.00
27 Naphthalene-d8	10.74	10.24	11.24	10.74	0.00
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.00
59 Phenanthrene-d10	16.03	15.53	16.53	16.03	0.00
69 Chrysene-d12	20.38	19.88	20.88	20.38	0.00
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	0.00
77 Perylene-d12	22.58	22.08	23.08	22.58	0.00

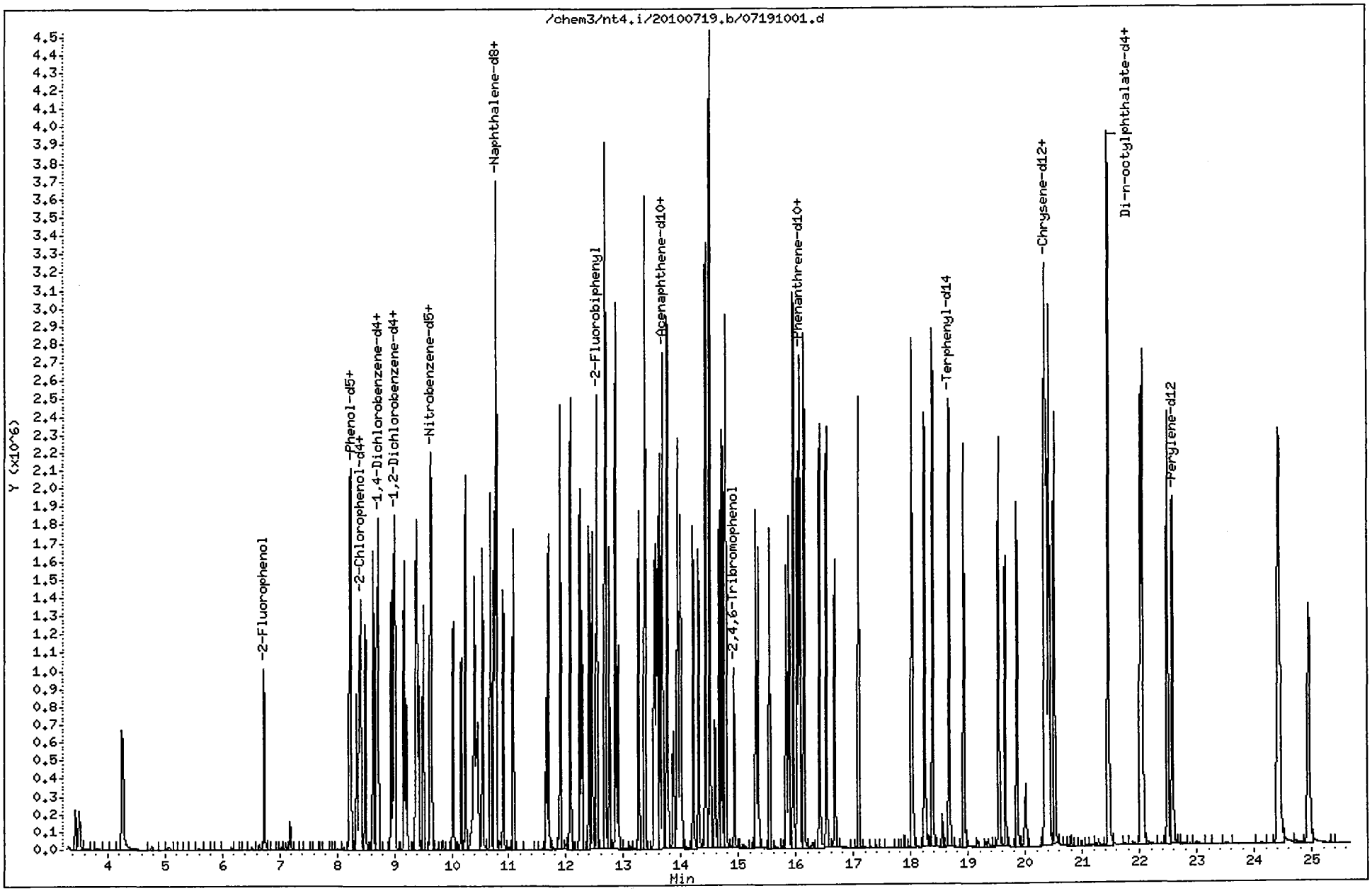
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191001.d
Date : 19-JUL-2010 16:18
Client ID: IC250719
Sample Info: IC250719

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191005.d
Lab Smp Id: IC400719 Client Smp ID: IC400719
Inj Date : 19-JUL-2010 18:41
Operator : JZ Inst ID: nt4.i
Smp Info : IC400719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 18:41 Cal File: 07191005.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/21/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.738	6.737	(0.775)	805836	40.0000	38.46
$	2 Phenol-d5	99	8.224	8.229	(0.946)	800887	40.0000	38.86
	3 Phenol	94	8.242	8.252	(0.948)	970435	40.0000	35.61
$	5 2-Chlorophenol-d4	132	8.395	8.393	(0.966)	851467	40.0000	38.60
	4 Bis(2-Chloroethyl)ether	93	8.348	8.352	(0.960)	765819	40.0000	38.17
	6 2-Chlorophenol	128	8.418	8.423	(0.968)	939854	40.0000	36.80
	7 1,3-Dichlorobenzene	146	8.636	8.640	(0.993)	1102160	40.0000	37.86
*	8 1,4-Dichlorobenzene-d4	152	8.694	8.699	(1.000)	381018	20.0000	
	9 1,4-Dichlorobenzene	146	8.724	8.722	(1.003)	1123923	40.0000	38.19
$	10 1,2-Dichlorobenzene-d4	152	9.000	8.998	(1.035)	620692	40.0000	37.40
	12 1,2-Dichlorobenzene	146	9.017	9.022	(1.037)	1045036	40.0000	38.13
	11 Benzyl alcohol	108	8.959	8.969	(1.030)	560984	40.0000	36.47
	14 2,2'-oxybis(1-Chloropropane)	45	9.211	9.216	(1.059)	703825	40.0000	36.71
	13 2-Methylphenol	108	9.176	9.181	(1.055)	768962	40.0000	37.84
	17 Hexachloroethane	117	9.511	9.509	(1.094)	422293	40.0000	39.30
	16 N-Nitroso-di-n-propylamine	70	9.434	9.445	(1.085)	535476	40.0000	38.25
	15 4-Methylphenol	108	9.405	9.415	(1.082)	798691	40.0000	37.85
$	18 Nitrobenzene-d5	82	9.622	9.627	(0.896)	826176	40.0000	38.67
	19 Nitrobenzene	77	9.652	9.662	(0.898)	805687	40.0000	37.76
	20 Isophorone	82	10.028	10.038	(0.933)	1335102	40.0000	38.07
	21 2-Nitrophenol	139	10.169	10.173	(0.946)	520600	40.0000	40.81
	22 2,4-Dimethylphenol	107	10.245	10.256	(0.954)	878355	40.0000	37.35
	23 Bis(2-Chloroethoxy)methane	93	10.398	10.408	(0.968)	928673	40.0000	37.83
	24 Benzoic acid	105	10.509	10.567	(0.978)	1401298	80.0000	92.78
	25 2,4-Dichlorophenol	162	10.545	10.549	(0.981)	807406	40.0000	40.01
	26 1,2,4-Trichlorobenzene	180	10.680	10.684	(0.994)	883928	40.0000	38.71
*	27 Naphthalene-d8	136	10.744	10.749	(1.000)	1340154	20.0000	

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
	28 Naphthalene	128	10.780	10.784	(1.003)	2403128	40.0000	35.34
	29 4-Chloroaniline	127	10.903	10.908	(1.015)	1000805	40.0000	38.04
	30 Hexachlorobutadiene	225	11.085	11.084	(1.032)	502639	40.0000	38.65
	31 4-Chloro-3-methylphenol	107	11.696	11.701	(1.089)	765878	40.0000	41.76
	32 2-Methylnaphthalene	142	11.902	11.906	(1.108)	1711633	40.0000	38.00
	33 Hexachlorocyclopentadiene	237	12.278	12.282	(0.901)	553109	40.0000	44.81
	34 2,4,6-Trichlorophenol	196	12.407	12.411	(0.910)	605024	40.0000	40.43
	35 2,4,5-Trichlorophenol	196	12.466	12.470	(0.915)	647741	40.0000	43.47
$	36 2-Fluorobiphenyl	172	12.536	12.541	(0.920)	1951425	40.0000	36.38
	37 2-Chloronaphthalene	162	12.689	12.699	(0.931)	1782192	40.0000	37.60
	38 2-Nitroaniline	65	12.912	12.923	(0.947)	385828	40.0000	45.16
	39 Dimethylphthalate	163	13.276	13.287	(0.974)	2076257	40.0000	37.54
	40 Acenaphthylene	152	13.376	13.381	(0.981)	2618537	40.0000	35.91
	41 2,6-Dinitrotoluene	165	13.376	13.387	(0.981)	506024	40.0000	42.28
*	42 Acenaphthene-d10	164	13.629	13.633	(1.000)	839318	20.0000	
	43 3-Nitroaniline	138	13.599	13.610	(0.998)	411097	40.0000	36.26
	44 Acenaphthene	153	13.682	13.686	(1.004)	1730659	40.0000	37.13
	45 2,4-Dinitrophenol	184	13.764	13.780	(1.010)	599293	80.0000	118.8
	46 Dibenzofuran	168	13.946	13.951	(1.023)	2282796	40.0000	36.65
	47 4-Nitrophenol	109	13.870	13.880	(1.018)	324791	40.0000	43.13
	48 2,4-Dinitrotoluene	165	14.011	14.021	(1.028)	682861	40.0000	43.90
	50 Diethylphthalate	149	14.434	14.438	(1.059)	2127981	40.0000	36.54
	49 Fluorene	166	14.510	14.514	(1.065)	1979735	40.0000	36.29
	51 4-Chlorophenyl-phenylether	204	14.516	14.514	(1.065)	980934	40.0000	37.52
	52 4-Nitroaniline	138	14.610	14.626	(1.072)	465525	40.0000	40.36
	53 4,6-Dinitro-2-methylphenol	198	14.680	14.697	(0.916)	814156	80.0000	92.95
	54 N-Nitrosodiphenylamine	169	14.721	14.732	(0.918)	1558783	40.0000	39.41
$	55 2,4,6-Tribromophenol	330	14.933	14.937	(1.096)	249842	40.0000	42.47
	56 4-Bromophenyl-phenylether	248	15.303	15.308	(0.955)	565124	40.0000	39.82
	57 Hexachlorobenzene	284	15.544	15.548	(0.970)	559987	40.0000	38.00
	58 Pentachlorophenol	266	15.832	15.842	(0.988)	393069	40.0000	41.31
*	59 Phenanthrene-d10	188	16.031	16.036	(1.000)	1371590	20.0000	
	60 Phenanthrene	178	16.073	16.077	(1.003)	2705033	40.0000	36.15
	61 Anthracene	178	16.143	16.153	(1.007)	2803865	40.0000	36.53
	62 Carbazole	167	16.413	16.424	(1.024)	2542023	40.0000	36.93
	63 Di-n-butylphthalate	149	17.095	17.093	(1.066)	3260353	40.0000	36.25
	64 Fluoranthene	202	18.023	18.027	(1.124)	2935696	40.0000	37.88
	65 Pyrene	202	18.387	18.397	(0.902)	3025660	40.0000	35.90
$	66 Terphenyl-d14	244	18.669	18.674	(0.916)	1839228	40.0000	36.14
	67 Butylbenzylphthalate	149	19.538	19.543	(0.958)	1646877	40.0000	39.77
	68 Benzo(a)anthracene	228	20.361	20.365	(0.999)	2823099	40.0000	36.36
*	69 Chrysene-d12	240	20.384	20.389	(1.000)	1264495	20.0000	
	70 3,3'-Dichlorobenzidine	252	20.343	20.348	(0.998)	950636	40.0000	38.18
	71 Chrysene	228	20.425	20.436	(1.002)	2729145	40.0000	35.77
	72 bis(2-Ethylhexyl)phthalate	149	20.514	20.518	(0.956)	2243796	40.0000	40.79
*	134 Di-n-octylphthalate-d4	153	21.453	21.458	(1.000)	1902533	20.0000	
	73 Di-n-octylphthalate	149	21.465	21.470	(1.001)	3553588	40.0000	35.17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	22.029	22.040	(0.976)	2935610	40.0000	37.62
75	Benzo(k)fluoranthene	252	22.064	22.075	(0.977)	2948453	40.0000	36.19
187	Total Benzofluoranthenes	252	22.064	22.075	(0.977)	5543714	80.0000	73.74
76	Benzo(a)pyrene	252	22.499	22.510	(0.997)	2634243	40.0000	38.20
* 77	Perylene-d12	264	22.575	22.580	(1.000)	1213809	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	24.438	24.454	(1.082)	3062042	40.0000	42.84
79	Dibenzo(a,h)anthracene	278	24.455	24.477	(1.083)	2520948	40.0000	44.05
80	Benzo(g,h,i)perylene	276	24.972	24.989	(1.106)	2618046	40.0000	42.94
90	N-Nitrosodimethylamine	74	4.288	4.281	(0.493)	430140	40.0000	38.14
103	Pyridine	79	4.253	4.240	(0.489)	798092	40.0000	41.80
91	Aniline	93	8.248	8.252	(0.949)	1030671	40.0000	36.09
105	1-methylnaphthalene	142	12.078	12.082	(1.124)	1690741	40.0000	38.40
93	Benzidine	184	18.252	18.251	(0.895)	836928	40.0000	33.91
111	Azobenzene (1,2-DP-Hydrazine)	77	14.774	14.779	(1.084)	1574216	40.0000	36.24
143	1,4-Dioxane	88	3.513	3.494	(0.404)	291223	40.0000	
$ 137	d8-1,4-Dioxane	96	3.448	3.424	(0.397)	303363	40.0000	
151	1,2,4,5-Tetrachlorobenzene	216	12.242	12.247	(0.898)	837944	40.0000	37.15
120	2,3,4,6-Tetrachlorophenol	232	14.216	14.221	(1.043)	530279	40.0000	42.44
144	alpha-Terpineol	59	10.786	10.790	(1.004)	410363	40.0000	34.78
98	Retene	219	18.927	18.932	(0.929)	1052055	40.0000	38.65
133	Butylatedhydroxytoluene	205	13.770	13.774	(1.010)	1500329	40.0000	35.04
115	Tributyl Phosphate	99	14.792	14.802	(0.923)	2023303	40.0000	37.18
116	Dibutyl Phenyl Phosphate	175	16.531	16.535	(1.031)	1701062	40.0000	38.89
117	Butyl Diphenyl Phosphate	94	18.240	18.245	(0.895)	517626	40.0000	39.68
118	Triphenyl Phosphate	326	19.861	19.866	(0.974)	498877	40.0000	38.63
123	Acetophenone	105	9.382	9.392	(0.873)	1136208	40.0000	38.65
179	n-Decane	57	8.500	8.505	(0.978)	590284	40.0000	37.28
180	n-Octadecane	57	15.879	15.883	(0.990)	714571	40.0000	36.04
168	Pentachlorobenzene	250	13.987	13.992	(1.026)	676775	40.0000	37.94
113	Diphenyl Oxide	170	12.865	12.870	(0.944)	1726304	40.0000	36.67
112	Biphenyl	154	12.677	12.682	(0.930)	1990603	40.0000	36.32
110	Tetrachloroguaiacol	247	15.961	15.971	(0.996)	654310	80.0000	81.22
109	3,4,5-Trichloroguaiacol	213	14.310	14.315	(0.893)	346917	40.0000	42.53
181	3,4,6-Trichloroguaiacol	211	14.434	14.444	(0.900)	407062	40.0000	42.08
108	4,5,6-Trichloroguaiacol	213	15.344	15.349	(0.957)	357303	40.0000	42.30
184	3,4-Dichloroguaiacol	192	12.759	12.764	(0.936)	360234	40.0000	42.38
107	4,5-Dichloroguaiacol	192	13.541	13.545	(0.994)	535237	40.0000	45.44
182	4,6-Dichloroguaiacol	192	13.570	13.580	(0.996)	412019	40.0000	38.14
185	4-Chloroguaiacol	115	11.655	11.660	(1.341)	239833	20.0000	21.38
106	Guaiacol	124	9.640	9.645	(1.109)	785043	40.0000	38.14

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191005.d
Lab Smp Id: IC400719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC400719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	381018	6.88
27 Naphthalene-d8	1293412	646706	2586824	1340154	3.61
42 Acenaphthene-d10	785897	392948	1571794	839318	6.80
59 Phenanthrene-d10	1313990	656995	2627980	1371590	4.38
69 Chrysene-d12	1155293	577646	2310586	1264495	9.45
134 Di-n-octylphthala	1825297	912648	3650594	1902533	4.23
77 Perylene-d12	1146289	573144	2292578	1213809	5.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.69	-0.04
27 Naphthalene-d8	10.74	10.24	11.24	10.74	0.02
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.02
59 Phenanthrene-d10	16.03	15.53	16.53	16.03	0.01
69 Chrysene-d12	20.38	19.88	20.88	20.38	0.01
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	0.01
77 Perylene-d12	22.58	22.08	23.08	22.58	-0.02

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

Data File: /chem3/nt4.i/20100719.b/07191005.d

Date : 19-JUL-2010 18:41

Client ID: IC400719

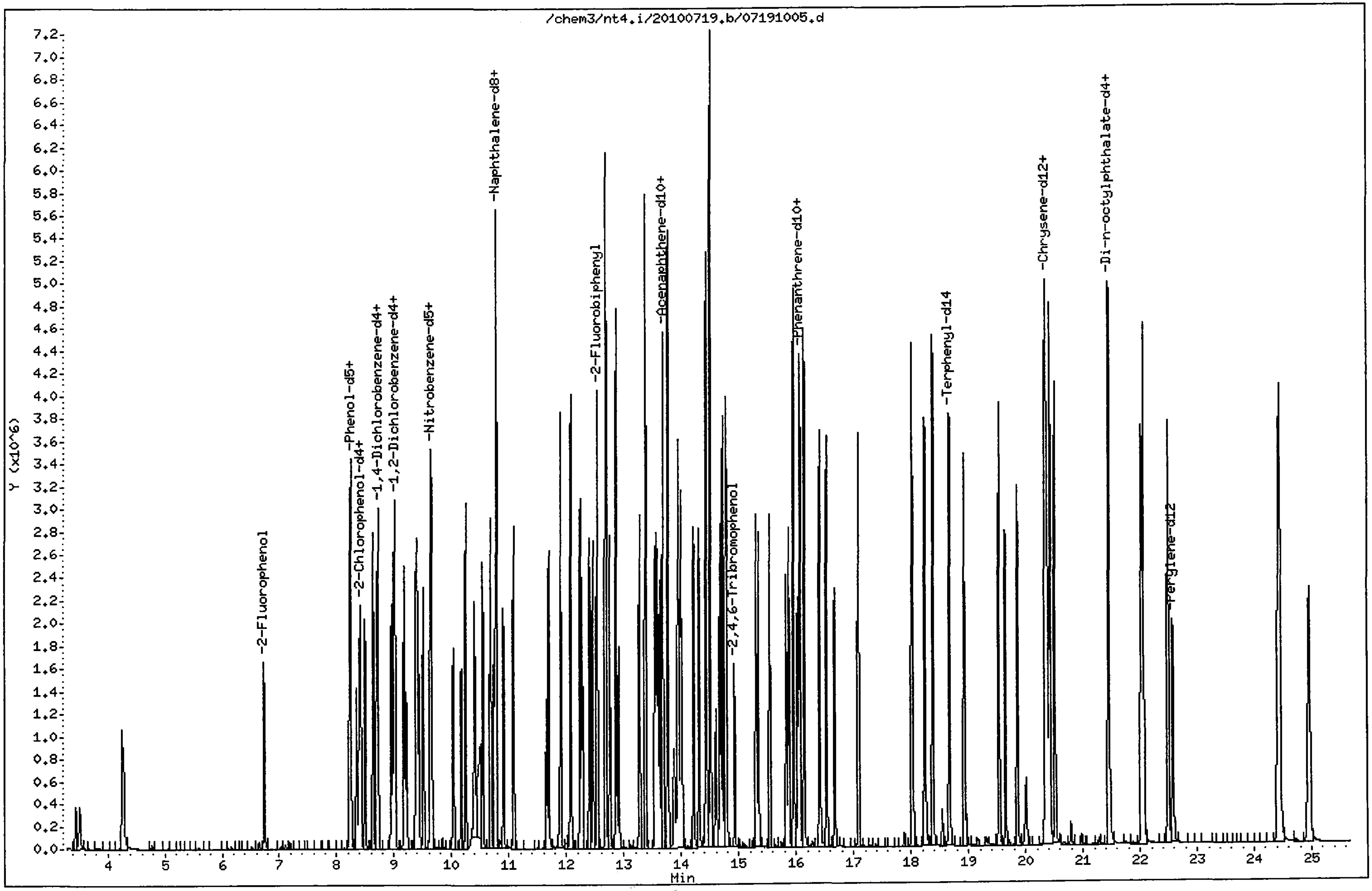
Sample Info: IC400719

Column phase: ZB-5msi

Instrument: nt4.i

Operator: JZ

Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191006.d
Lab Smp Id: IC600719 Client Smp ID: IC600719
Inj Date : 19-JUL-2010 19:14
Operator : JZ Inst ID: nt4.i
Smp Info : IC600719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:14 Cal File: 07191006.d
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/21/10

AMOUNTS

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	6.742	6.737	(0.775)	1229938	60.0000	56.87
$	2	Phenol-d5	99	8.228	8.229	(0.946)	1203698	60.0000	56.64
	3	Phenol	94	8.251	8.252	(0.949)	1486801	60.0000	53.46
$	5	2-Chlorophenol-d4	132	8.398	8.393	(0.966)	1296594	60.0000	56.95
	4	Bis(2-Chloroethyl)ether	93	8.351	8.352	(0.960)	1136800	60.0000	55.21
	6	2-Chlorophenol	128	8.422	8.423	(0.968)	1481989	60.0000	56.33
	7	1,3-Dichlorobenzene	146	8.639	8.640	(0.993)	1637912	60.0000	54.87
*	8	1,4-Dichlorobenzene-d4	152	8.698	8.699	(1.000)	397320	20.0000	
	9	1,4-Dichlorobenzene	146	8.721	8.722	(1.003)	1656413	60.0000	54.89
$	10	1,2-Dichlorobenzene-d4	152	8.997	8.998	(1.034)	951535	60.0000	55.76
	12	1,2-Dichlorobenzene	146	9.021	9.022	(1.037)	1536342	60.0000	54.70
	11	Benzyl alcohol	108	8.968	8.969	(1.031)	863804	60.0000	54.97
	14	2,2'-oxybis(1-Chloropropane)	45	9.215	9.216	(1.059)	1018933	60.0000	52.28
	13	2-Methylphenol	108	9.179	9.181	(1.055)	1210815	60.0000	57.59
	17	Hexachloroethane	117	9.508	9.509	(1.093)	632803	60.0000	57.04
	16	N-Nitroso-di-n-propylamine	70	9.444	9.445	(1.086)	798791	60.0000	55.53
	15	4-Methylphenol	108	9.414	9.415	(1.082)	1252181	60.0000	57.40
$	18	Nitrobenzene-d5	82	9.626	9.627	(0.896)	1229087	60.0000	53.83
	19	Nitrobenzene	77	9.661	9.662	(0.899)	1188709	60.0000	52.39
	20	Isophorone	82	10.037	10.038	(0.934)	2011089	60.0000	53.69
	21	2-Nitrophenol	139	10.172	10.173	(0.946)	846073	60.0000	60.67
	22	2,4-Dimethylphenol	107	10.254	10.256	(0.954)	1366838	60.0000	54.30
	23	Bis(2-Chloroethoxy)methane	93	10.407	10.408	(0.968)	1395558	60.0000	53.29
	24	Benzoic acid	105	10.560	10.567	(0.982)	2377813	120.000	138.7(M)
	25	2,4-Dichlorophenol	162	10.548	10.549	(0.981)	1299788	60.0000	59.22
	26	1,2,4-Trichlorobenzene	180	10.683	10.684	(0.994)	1364625	60.0000	55.60
*	27	Naphthalene-d8	136	10.748	10.749	(1.000)	1461536	20.0000	

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
	28 Naphthalene	128	10.783	10.784	(1.003)	3406376	60.0000	47.80
	29 4-Chloroaniline	127	10.907	10.908	(1.015)	1513974	60.0000	53.84
	30 Hexachlorobutadiene	225	11.083	11.084	(1.031)	765030	60.0000	54.87
	31 4-Chloro-3-methylphenol	107	11.700	11.701	(1.089)	1220499	60.0000	60.84
	32 2-Methylnaphthalene	142	11.905	11.906	(1.108)	2515888	60.0000	52.50
	33 Hexachlorocyclopentadiene	237	12.281	12.282	(0.901)	871995	60.0000	65.89
	34 2,4,6-Trichlorophenol	196	12.410	12.411	(0.910)	964534	60.0000	61.35
	35 2,4,5-Trichlorophenol	196	12.469	12.470	(0.915)	1030226	60.0000	65.00
$	36 2-Fluorobiphenyl	172	12.540	12.541	(0.920)	2843491	60.0000	52.03
	37 2-Chloronaphthalene	162	12.698	12.699	(0.931)	2543337	60.0000	52.57
	38 2-Nitroaniline	65	12.921	12.923	(0.948)	595218	60.0000	65.41
	39 Dimethylphthalate	163	13.286	13.287	(0.975)	3065731	60.0000	54.05
	40 Acenaphthylene	152	13.380	13.381	(0.981)	3654484	60.0000	49.58
	41 2,6-Dinitrotoluene	165	13.380	13.387	(0.981)	752544	60.0000	60.10
*	42 Acenaphthene-d10	164	13.632	13.633	(1.000)	877821	20.0000	
	43 3-Nitroaniline	138	13.609	13.610	(0.998)	574337	60.0000	50.04
	44 Acenaphthene	153	13.691	13.686	(1.004)	2486799	60.0000	52.32
	45 2,4-Dinitrophenol	184	13.779	13.780	(1.011)	1050607	120.000	175.9
	46 Dibenzofuran	168	13.949	13.951	(1.023)	3316951	60.0000	52.24
	47 4-Nitrophenol	109	13.879	13.880	(1.018)	521388	60.0000	64.86
	48 2,4-Dinitrotoluene	165	14.020	14.021	(1.028)	1028405	60.0000	62.65
	50 Diethylphthalate	149	14.437	14.438	(1.059)	2995821	60.0000	50.71
	49 Fluorene	166	14.513	14.514	(1.065)	2766792	60.0000	50.10
	51 4-Chlorophenyl-phenylether	204	14.519	14.514	(1.065)	1386076	60.0000	52.04
	52 4-Nitroaniline	138	14.625	14.626	(1.073)	708100	60.0000	58.91
	53 4,6-Dinitro-2-methylphenol	198	14.695	14.697	(0.916)	1367613	120.000	141.3
	54 N-Nitrosodiphenylamine	169	14.731	14.732	(0.919)	2292809	60.0000	55.69
$	55 2,4,6-Tribromophenol	330	14.936	14.937	(1.096)	382818	60.0000	61.84
	56 4-Bromophenyl-phenylether	248	15.306	15.308	(0.955)	839139	60.0000	56.62
	57 Hexachlorobenzene	284	15.547	15.548	(0.970)	830754	60.0000	54.39
	58 Pentachlorophenol	266	15.841	15.842	(0.988)	650217	60.0000	63.72
*	59 Phenanthrene-d10	188	16.035	16.036	(1.000)	1448224	20.0000	
	60 Phenanthrene	178	16.076	16.077	(1.003)	3878293	60.0000	50.62
	61 Anthracene	178	16.152	16.153	(1.007)	3944693	60.0000	50.26
	62 Carbazole	167	16.423	16.424	(1.024)	3719250	60.0000	52.47
	63 Di-n-butylphthalate	149	17.092	17.093	(1.066)	4433661	60.0000	48.48
	64 Fluoranthene	202	18.026	18.027	(1.124)	4065333	60.0000	51.15
	65 Pyrene	202	18.396	18.397	(0.902)	4220721	60.0000	50.47
$	66 Terphenyl-d14	244	18.672	18.674	(0.916)	2664333	60.0000	52.41
	67 Butylbenzylphthalate	149	19.542	19.543	(0.958)	2351154	60.0000	56.16
	68 Benzo(a)anthracene	228	20.364	20.365	(0.999)	3947800	60.0000	51.13
*	69 Chrysene-d12	240	20.388	20.389	(1.000)	1294779	20.0000	
	70 3,3'-Dichlorobenzidine	252	20.347	20.348	(0.998)	1334380	60.0000	53.48
	71 Chrysene	228	20.435	20.436	(1.002)	3793653	60.0000	50.15
	72 bis(2-Ethylhexyl)phthalate	149	20.517	20.518	(0.956)	3142762	60.0000	56.90
*	134 Di-n-octylphthalate-d4	153	21.457	21.458	(1.000)	1930038	20.0000	
	73 Di-n-octylphthalate	149	21.469	21.470	(1.001)	4795925	60.0000	48.58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	22.038	22.040	(0.976)	4080347	60.0000	51.13
75	Benzo(k)fluoranthene	252	22.074	22.075	(0.978)	4266538	60.0000	51.21
187	Total Benzofluoranthenes	252	22.074	22.075	(0.978)	7852544	120.000	102.2
76	Benzo(a)pyrene	252	22.508	22.510	(0.997)	3866473	60.0000	54.28
* 77	Perylene-d12	264	22.579	22.580	(1.000)	1277873	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	24.453	24.454	(1.083)	4513038	60.0000	59.97
79	Dibenzo(a,h)anthracene	278	24.471	24.477	(1.084)	3659183	60.0000	60.61
80	Benzo(g,h,i)perylene	276	24.987	24.989	(1.107)	3886563	60.0000	60.45
90	N-Nitrosodimethylamine	74	4.298	4.281	(0.494)	642614	60.0000	55.47
103	Pyridine	79	4.257	4.240	(0.489)	1166653	60.0000	58.82
91	Aniline	93	8.251	8.252	(0.949)	1522936	60.0000	52.43
105	1-methylnaphthalene	142	12.081	12.082	(1.124)	2468087	60.0000	52.66
93	Benzidine	184	18.255	18.251	(0.895)	1209446	60.0000	49.52
111	Azobenzene (1,2-DP-Hydrazine)	77	14.778	14.779	(1.084)	2261358	60.0000	51.23
143	1,4-Dioxane	88	3.522	3.494	(0.405)	432668	60.0000	
$ 137	d8-1,4-Dioxane	96	3.452	3.424	(0.397)	452808	60.0000	
151	1,2,4,5-Tetrachlorobenzene	216	12.246	12.247	(0.898)	1293861	60.0000	55.65
120	2,3,4,6-Tetrachlorophenol	232	14.220	14.221	(1.043)	822319	60.0000	62.42
144	alpha-Terpineol	59	10.789	10.790	(1.004)	632002	60.0000	50.64
98	Retene	219	18.931	18.932	(0.929)	1565454	60.0000	56.77
133	Butylatedhydroxytoluene	205	13.773	13.774	(1.010)	2053796	60.0000	47.73
115	Tributyl Phosphate	99	14.801	14.802	(0.923)	2926776	60.0000	52.25
116	Dibutyl Phenyl Phosphate	175	16.534	16.535	(1.031)	2564420	60.0000	56.23
117	Butyl Diphenyl Phosphate	94	18.244	18.245	(0.895)	765596	60.0000	57.75
118	Triphenyl Phosphate	326	19.865	19.866	(0.974)	759375	60.0000	57.84
123	Acetophenone	105	9.391	9.392	(0.874)	1676761	60.0000	53.44
179	n-Decane	57	8.504	8.505	(0.978)	860809	60.0000	53.30
180	n-Octadecane	57	15.882	15.883	(0.990)	1023596	60.0000	50.45
168	Pentachlorobenzene	250	13.991	13.992	(1.026)	1018953	60.0000	55.45
113	Diphenyl Oxide	170	12.869	12.870	(0.944)	2507406	60.0000	52.24
112	Biphenyl	154	12.681	12.682	(0.930)	2788162	60.0000	50.23
110	Tetrachloroguaiacol	247	15.970	15.971	(0.996)	984961	120.000	116.5
109	3,4,5-Trichloroguaiacol	213	14.314	14.315	(0.893)	533736	60.0000	61.63
181	3,4,6-Trichloroguaiacol	211	14.437	14.444	(0.900)	612812	60.0000	60.00
108	4,5,6-Trichloroguaiacol	213	15.353	15.349	(0.958)	559497	60.0000	62.26
184	3,4-Dichloroguaiacol	192	12.763	12.764	(0.936)	563971	60.0000	62.83
107	4,5-Dichloroguaiacol	192	13.544	13.545	(0.994)	821802	60.0000	65.49
182	4,6-Dichloroguaiacol	192	13.579	13.580	(0.996)	664585	60.0000	59.01
185	4-Chloroguaiacol	115	11.658	11.660	(1.340)	379286	30.0000	31.99
106	Guaiacol	124	9.644	9.645	(1.109)	1198240	60.0000	56.49

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191006.d
Lab Smp Id: IC600719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC600719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	397320	11.46
27 Naphthalene-d8	1293412	646706	2586824	1461536	13.00
42 Acenaphthene-d10	785897	392948	1571794	877821	11.70
59 Phenanthrene-d10	1313990	656995	2627980	1448224	10.22
69 Chrysene-d12	1155293	577646	2310586	1294779	12.07
134 Di-n-octylphthala	1825297	912648	3650594	1930038	5.74
77 Perylene-d12	1146289	573144	2292578	1277873	11.48

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.70	0.00
27 Naphthalene-d8	10.74	10.24	11.24	10.75	0.05
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.04
59 Phenanthrene-d10	16.03	15.53	16.53	16.03	0.04
69 Chrysene-d12	20.38	19.88	20.88	20.39	0.03
134 Di-n-octylphthala	21.45	20.95	21.95	21.46	0.03
77 Perylene-d12	22.58	22.08	23.08	22.58	0.00

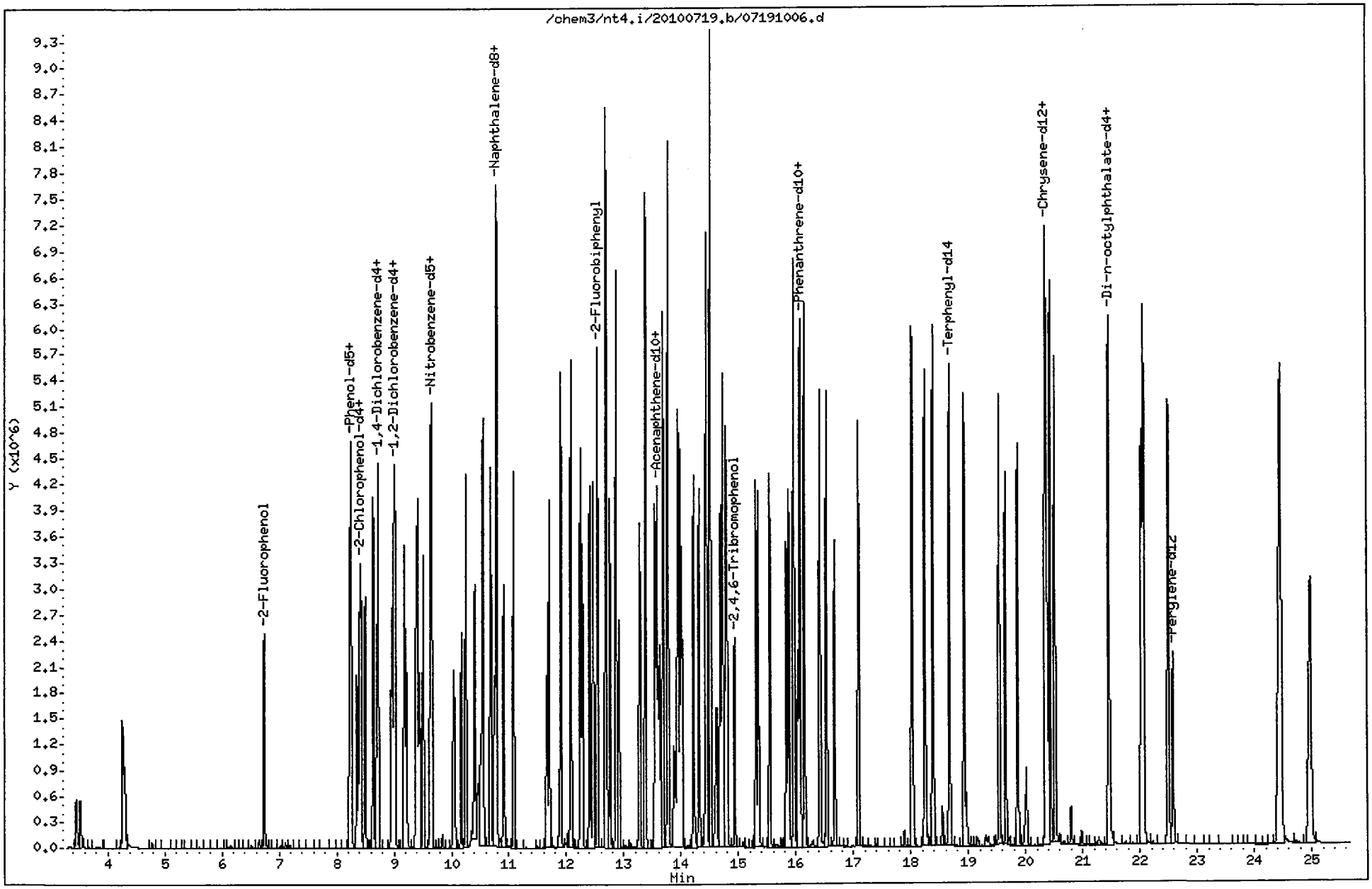
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191006.d
Date : 19-JUL-2010 19:14
Client ID: IC600719
Sample Info: IC600719

Instrument: nt4.i

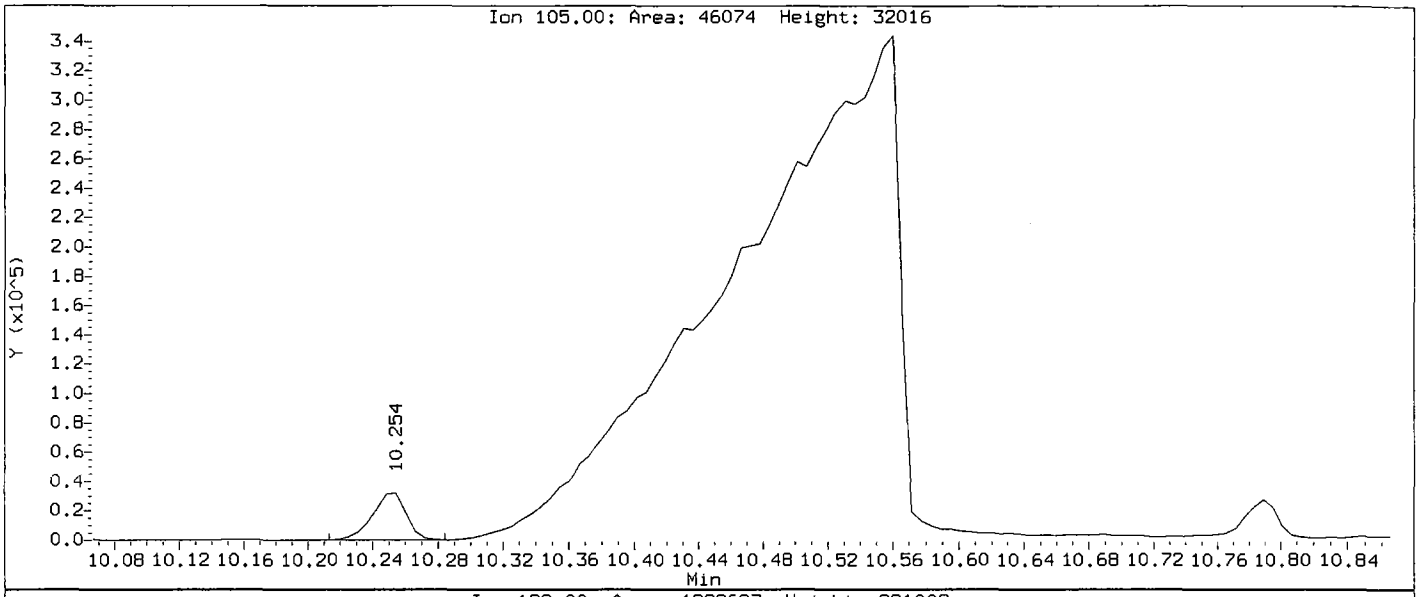
Operator: JZ
Column diameter: 0.32

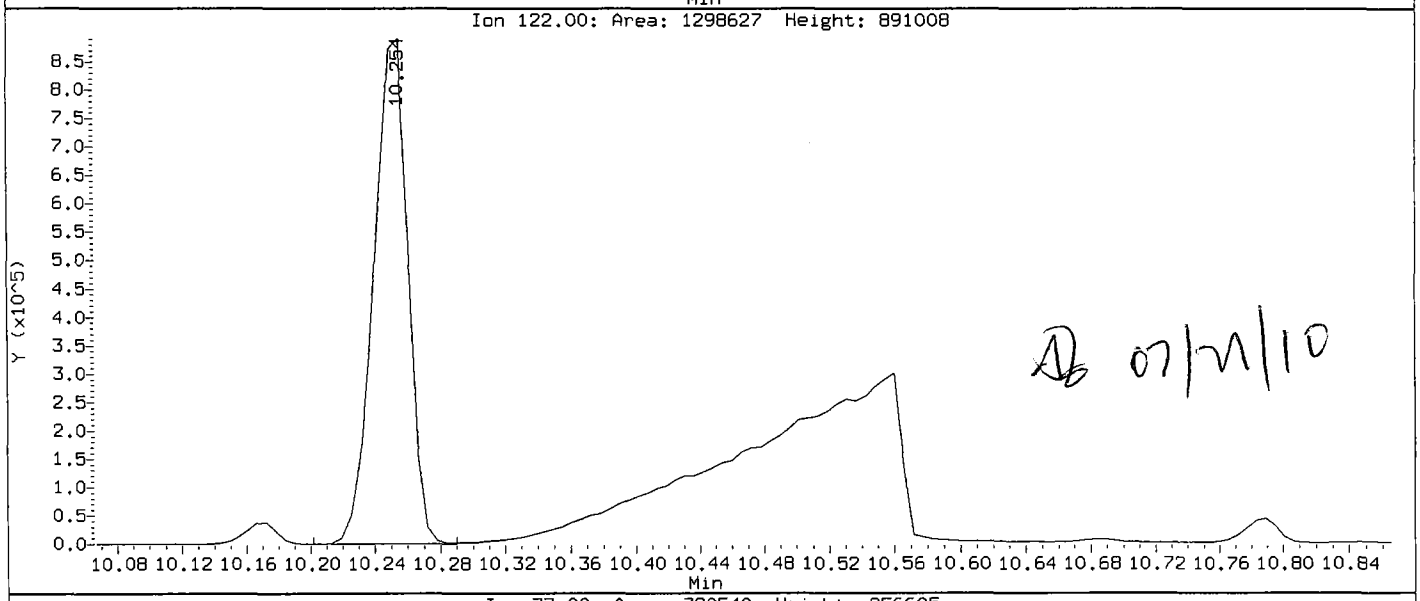
Column phase: ZB-5msi



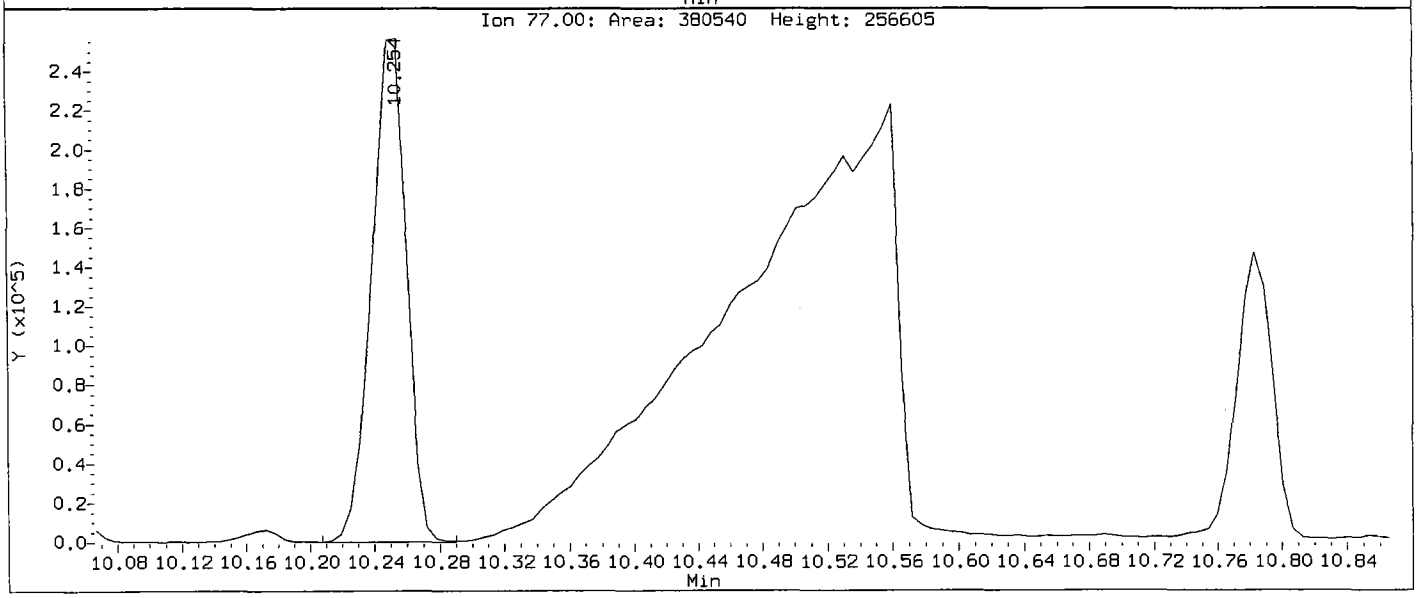
Data File: /chem3/nt4.i/20100719.b/07191006.d
Injection Date: 19-JUL-2010 19:14
Instrument: nt4.i
Client Sample ID: IC600719

Compound: Benzoic acid
CAS Number: 65-85-0



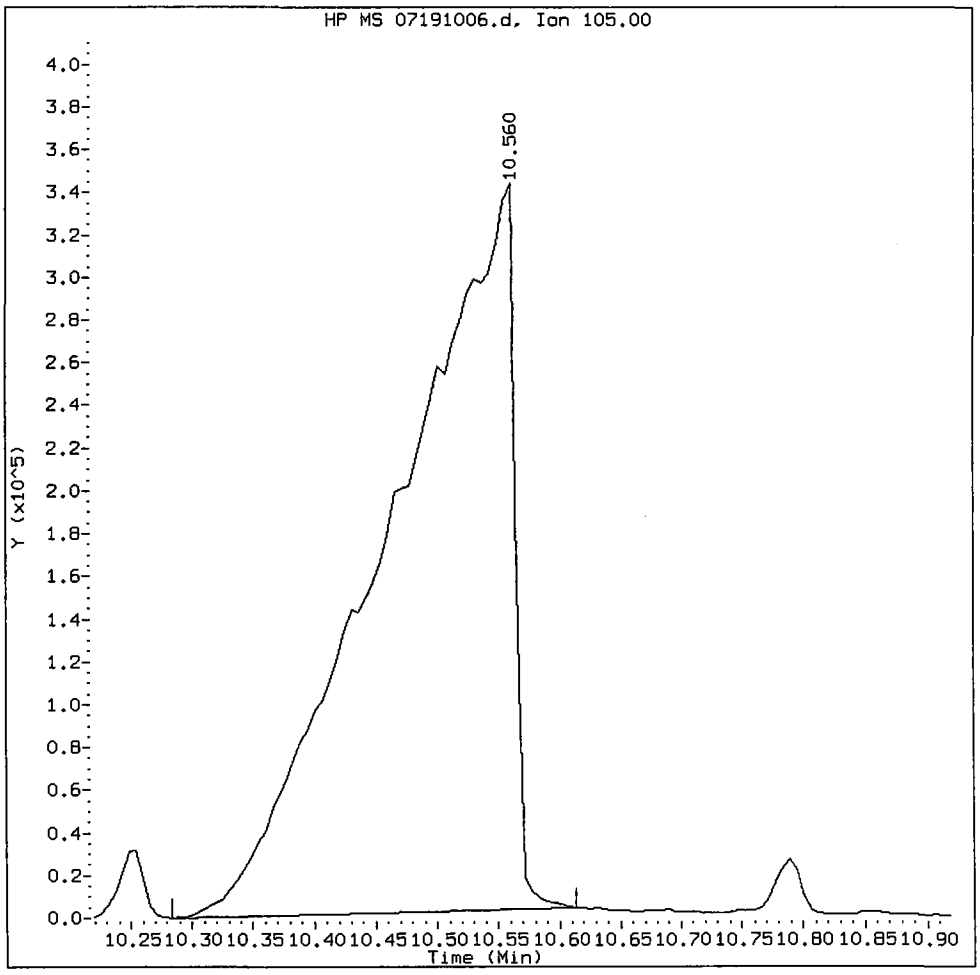


AB 07/21/10



IC600719, /chem3/nt4.i/20100719.b/07191006.d

Benzoic acid Amount: 138.72 Area: 2377813



MANUAL INTEGRATION for Benzoic acid

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

Analyst: [signature] Date: 07/21/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191007.d
Lab Smp Id: IC800719 Client Smp ID: IC800719
Inj Date : 19-JUL-2010 19:48
Operator : JZ Inst ID: nt4.i
Smp Info : IC800719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:37 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/21/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	6.737	6.737	(0.774)	1268957	80.0000	77.83
$	2 Phenol-d5	99	8.229	8.229	(0.946)	1256362	80.0000	78.34
	3 Phenol	94	8.252	8.252	(0.949)	1513050	80.0000	72.91
$	5 2-Chlorophenol-d4	132	8.393	8.393	(0.965)	1360372	80.0000	79.05
	4 Bis(2-Chloroethyl)ether	93	8.352	8.352	(0.960)	1181994	80.0000	76.37
	6 2-Chlorophenol	128	8.423	8.423	(0.968)	1496302	80.0000	75.76
	7 1,3-Dichlorobenzene	146	8.640	8.640	(0.993)	1715827	80.0000	76.46
*	8 1,4-Dichlorobenzene-d4	152	8.699	8.699	(1.000)	300879	20.0000	
	9 1,4-Dichlorobenzene	146	8.722	8.722	(1.003)	1723689	80.0000	76.05
$	10 1,2-Dichlorobenzene-d4	152	8.998	8.998	(1.034)	985077	80.0000	76.74
	12 1,2-Dichlorobenzene	146	9.022	9.022	(1.037)	1611941	80.0000	76.37
	11 Benzyl alcohol	108	8.969	8.969	(1.031)	885576	80.0000	75.30
	14 2,2'-oxybis(1-Chloropropane)	45	9.216	9.216	(1.059)	1062470	80.0000	73.03
	13 2-Methylphenol	108	9.181	9.181	(1.055)	1236207	80.0000	77.98
	17 Hexachloroethane	117	9.509	9.509	(1.093)	668079	80.0000	79.59
	16 N-Nitroso-di-n-propylamine	70	9.445	9.445	(1.086)	847679	80.0000	78.12
	15 4-Methylphenol	108	9.415	9.415	(1.082)	1285439	80.0000	78.12
$	18 Nitrobenzene-d5	82	9.627	9.627	(0.896)	1313315	80.0000	75.51
	19 Nitrobenzene	77	9.662	9.662	(0.899)	1268880	80.0000	73.69
	20 Isophorone	82	10.038	10.038	(0.934)	2190082	80.0000	76.58
	21 2-Nitrophenol	139	10.173	10.173	(0.946)	878305	80.0000	81.64
	22 2,4-Dimethylphenol	107	10.256	10.256	(0.954)	1436576	80.0000	75.00
	23 Bis(2-Chloroethoxy)methane	93	10.408	10.408	(0.968)	1496886	80.0000	75.10
	24 Benzoic acid	105	10.567	10.567	(0.983)	2519498	160.000	185.2(M)
	25 2,4-Dichlorophenol	162	10.549	10.549	(0.981)	1322567	80.0000	78.60
	26 1,2,4-Trichlorobenzene	180	10.684	10.684	(0.994)	1436894	80.0000	76.68
*	27 Naphthalene-d8	136	10.749	10.749	(1.000)	1123708	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	10.784	10.784	(1.003)	3561240	80.0000	66.79
	29 4-Chloroaniline	127	10.908	10.908	(1.015)	1528754	80.0000	71.91
	30 Hexachlorobutadiene	225	11.084	11.084	(1.031)	808142	80.0000	76.01
	31 4-Chloro-3-methylphenol	107	11.701	11.701	(1.089)	1238322	80.0000	80.25
	32 2-Methylnaphthalene	142	11.906	11.906	(1.108)	2607146	80.0000	71.95
	33 Hexachlorocyclopentadiene	237	12.282	12.282	(0.901)	915584	80.0000	89.17
	34 2,4,6-Trichlorophenol	196	12.411	12.411	(0.910)	987062	80.0000	82.41
	35 2,4,5-Trichlorophenol	196	12.470	12.470	(0.915)	1062277	80.0000	87.11
$	36 2-Fluorobiphenyl	172	12.541	12.541	(0.920)	2942574	80.0000	72.19
	37 2-Chloronaphthalene	162	12.699	12.699	(0.931)	2663679	80.0000	73.60
	38 2-Nitroaniline	65	12.923	12.923	(0.948)	601628	80.0000	86.11
	39 Dimethylphthalate	163	13.287	13.287	(0.975)	3167616	80.0000	74.52
	40 Acenaphthylene	152	13.381	13.381	(0.981)	3749859	80.0000	68.69
	41 2,6-Dinitrotoluene	165	13.387	13.387	(0.982)	800837	80.0000	83.72
*	42 Acenaphthene-d10	164	13.633	13.633	(1.000)	665405	20.0000	
	43 3-Nitroaniline	138	13.610	13.610	(0.998)	547360	80.0000	64.90
	44 Acenaphthene	153	13.686	13.686	(1.004)	2609597	80.0000	73.42
	45 2,4-Dinitrophenol	184	13.780	13.780	(1.011)	1116227	160.000	226.1
	46 Dibenzofuran	168	13.951	13.951	(1.023)	3428345	80.0000	72.37
	47 4-Nitrophenol	109	13.880	13.880	(1.018)	524194	80.0000	84.96 (M)
	48 2,4-Dinitrotoluene	165	14.021	14.021	(1.028)	1090733	80.0000	86.48
	50 Diethylphthalate	149	14.438	14.438	(1.059)	3129575	80.0000	71.17
	49 Fluorene	166	14.514	14.514	(1.065)	2859491	80.0000	69.76
	51 4-Chlorophenyl-phenylether	204	14.514	14.514	(1.065)	1441324	80.0000	72.50
	52 4-Nitroaniline	138	14.626	14.626	(1.073)	743720	80.0000	81.39
	53 4,6-Dinitro-2-methylphenol	198	14.697	14.697	(0.916)	1436565	160.000	185.2
	54 N-Nitrosodiphenylamine	169	14.732	14.732	(0.919)	2418926	80.0000	76.28
$	55 2,4,6-Tribromophenol	330	14.937	14.937	(1.096)	412250	80.0000	86.64
	56 4-Bromophenyl-phenylether	248	15.308	15.308	(0.955)	913731	80.0000	79.51
	57 Hexachlorobenzene	284	15.548	15.548	(0.970)	900972	80.0000	76.54
	58 Pentachlorophenol	266	15.842	15.842	(0.988)	681354	80.0000	84.95
*	59 Phenanthrene-d10	188	16.036	16.036	(1.000)	1124245	20.0000	
	60 Phenanthrene	178	16.077	16.077	(1.003)	4063948	80.0000	69.78
	61 Anthracene	178	16.153	16.153	(1.007)	4117176	80.0000	69.11
	62 Carbazole	167	16.424	16.424	(1.024)	3902737	80.0000	72.09
	63 Di-n-butylphthalate	149	17.093	17.093	(1.066)	4579430	80.0000	66.34
	64 Fluoranthene	202	18.027	18.027	(1.124)	4175102	80.0000	69.19
	65 Pyrene	202	18.397	18.397	(0.902)	4362118	80.0000	71.04
$	66 Terphenyl-d14	244	18.674	18.674	(0.916)	2749894	80.0000	73.34
	67 Butylbenzylphthalate	149	19.543	19.543	(0.958)	2421300	80.0000	77.70
	68 Benzo(a)anthracene	228	20.365	20.365	(0.999)	4068026	80.0000	71.67
*	69 Chrysene-d12	240	20.389	20.389	(1.000)	968321	20.0000	
	70 3,3'-Dichlorobenzidine	252	20.348	20.348	(0.998)	1323573	80.0000	72.10
	71 Chrysene	228	20.436	20.436	(1.002)	3954441	80.0000	71.18
	72 bis(2-Ethylhexyl)phthalate	149	20.518	20.518	(0.956)	3227271	80.0000	76.14
*	134 Di-n-octylphthalate-d4	153	21.458	21.458	(1.000)	1492891	20.0000	
	73 Di-n-octylphthalate	149	21.470	21.470	(1.001)	4907690	80.0000	66.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	22.040	22.040	(0.976)	4767186	80.0000	78.45
75	Benzo(k)fluoranthene	252	22.075	22.075	(0.978)	3917576	80.0000	63.64(H)
187	Total Benzofluoranthenes	252	22.075	22.075	(0.978)	8152817	160.000	141.5
76	Benzo(a)pyrene	252	22.510	22.510	(0.997)	4064073	80.0000	75.39
* 77	Perylene-d12	264	22.580	22.580	(1.000)	976271	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	24.454	24.454	(1.083)	4819802	80.0000	83.27
79	Dibenzo(a,h)anthracene	278	24.477	24.477	(1.084)	3918538	80.0000	84.21
80	Benzo(g,h,i)perylene	276	24.989	24.989	(1.107)	4132422	80.0000	83.52
90	N-Nitrosodimethylamine	74	4.281	4.281	(0.492)	697583	80.0000	79.59
103	Pyridine	79	4.240	4.240	(0.487)	1255622	80.0000	83.07
91	Aniline	93	8.252	8.252	(0.949)	1571926	80.0000	72.57
105	1-methylnaphthalene	142	12.082	12.082	(1.124)	2580932	80.0000	72.71
93	Benzidine	184	18.251	18.251	(0.895)	1168136	80.0000	63.96
111	Azobenzene (1,2-DP-Hydrazine)	77	14.779	14.779	(1.084)	2355672	80.0000	71.63
143	1,4-Dioxane	88	3.494	3.494	(0.402)	447525	80.0000	
$ 137	d8-1,4-Dioxane	96	3.424	3.424	(0.394)	475461	80.0000	
151	1,2,4,5-Tetrachlorobenzene	216	12.247	12.247	(0.898)	1339605	80.0000	76.55
120	2,3,4,6-Tetrachlorophenol	232	14.221	14.221	(1.043)	860255	80.0000	85.21
144	alpha-Terpineol	59	10.790	10.790	(1.004)	657935	80.0000	70.00
98	Retene	219	18.932	18.932	(0.929)	1623969	80.0000	78.92
133	Butylatedhydroxytoluene	205	13.774	13.774	(1.010)	2093075	80.0000	66.04
115	Tributyl Phosphate	99	14.802	14.802	(0.923)	3019559	80.0000	70.77
116	Dibutyl Phenyl Phosphate	175	16.535	16.535	(1.031)	2635204	80.0000	75.18
117	Butyl Diphenyl Phosphate	94	18.245	18.245	(0.895)	786388	80.0000	79.41
118	Triphenyl Phosphate	326	19.866	19.866	(0.974)	782394	80.0000	79.73
123	Acetophenone	105	9.392	9.392	(0.874)	1783025	80.0000	74.73
179	n-Decane	57	8.505	8.505	(0.978)	874156	80.0000	72.58
180	n-Octadecane	57	15.883	15.883	(0.990)	1091994	80.0000	70.68
168	Pentachlorobenzene	250	13.992	13.992	(1.026)	1076925	80.0000	77.68
113	Diphenyl Oxide	170	12.870	12.870	(0.944)	2584282	80.0000	72.18
112	Biphenyl	154	12.682	12.682	(0.930)	2852174	80.0000	69.29
110	Tetrachloroguaiacol	247	15.971	15.971	(0.996)	1042306	160.000	158.9
109	3,4,5-Trichloroguaiacol	213	14.315	14.315	(0.893)	548942	80.0000	81.41
181	3,4,6-Trichloroguaiacol	211	14.444	14.444	(0.901)	634089	80.0000	79.98
108	4,5,6-Trichloroguaiacol	213	15.349	15.349	(0.957)	593948	80.0000	84.36
184	3,4-Dichloroguaiacol	192	12.764	12.764	(0.936)	591226	80.0000	85.84
107	4,5-Dichloroguaiacol	192	13.545	13.545	(0.994)	858522	80.0000	88.63
182	4,6-Dichloroguaiacol	192	13.580	13.580	(0.996)	689458	80.0000	80.65
185	4-Chloroguaiacol	115	11.660	11.660	(1.340)	395259	40.0000	43.40
106	Guaiacol	124	9.645	9.645	(1.109)	1270875	80.0000	79.24

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191007.d
Lab Smp Id: IC800719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: IC800719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	300879	-15.60
27 Naphthalene-d8	1293412	646706	2586824	1123708	-13.12
42 Acenaphthene-d10	785897	392948	1571794	665405	-15.33
59 Phenanthrene-d10	1313990	656995	2627980	1124245	-14.44
69 Chrysene-d12	1155293	577646	2310586	968321	-16.18
134 Di-n-octylphthala	1825297	912648	3650594	1492891	-18.21
77 Perylene-d12	1146289	573144	2292578	976271	-14.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.70	0.01
27 Naphthalene-d8	10.74	10.24	11.24	10.75	0.06
42 Acenaphthene-d10	13.63	13.13	14.13	13.63	0.05
59 Phenanthrene-d10	16.03	15.53	16.53	16.04	0.04
69 Chrysene-d12	20.38	19.88	20.88	20.39	0.03
134 Di-n-octylphthala	21.45	20.95	21.95	21.46	0.03
77 Perylene-d12	22.58	22.08	23.08	22.58	0.00

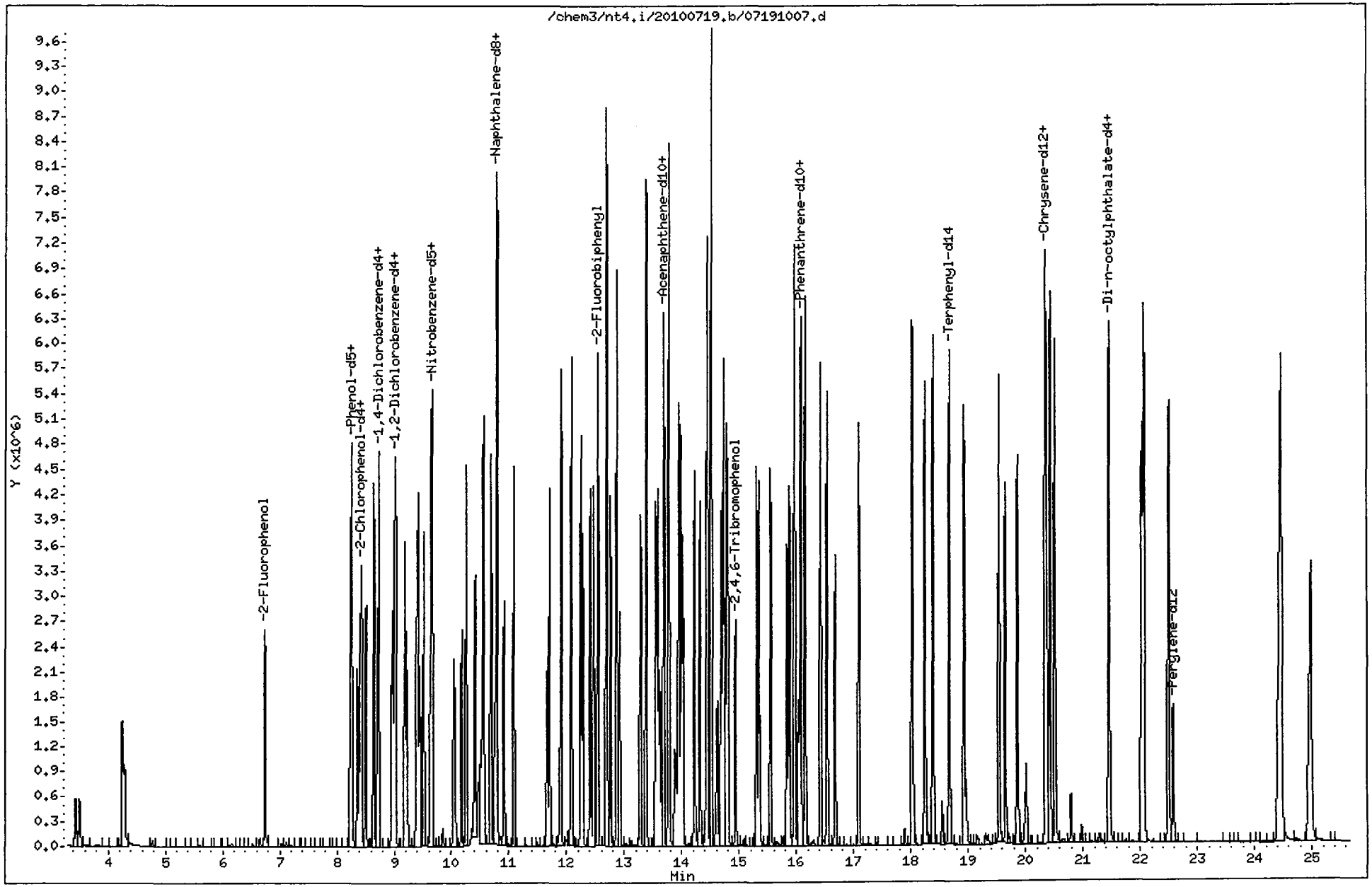
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100719.b/07191007.d
Date : 19-JUL-2010 19:48
Client ID: IC800719
Sample Info: IC800719

Instrument: nt4.i

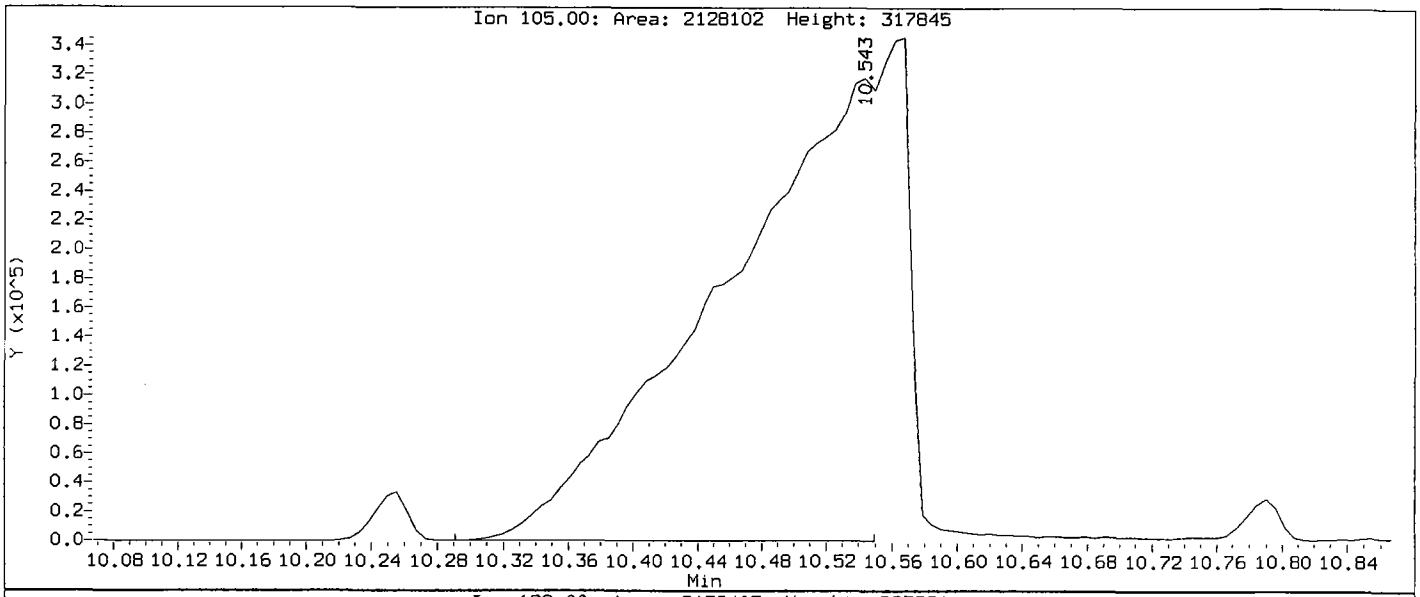
Operator: JZ
Column diameter: 0.32

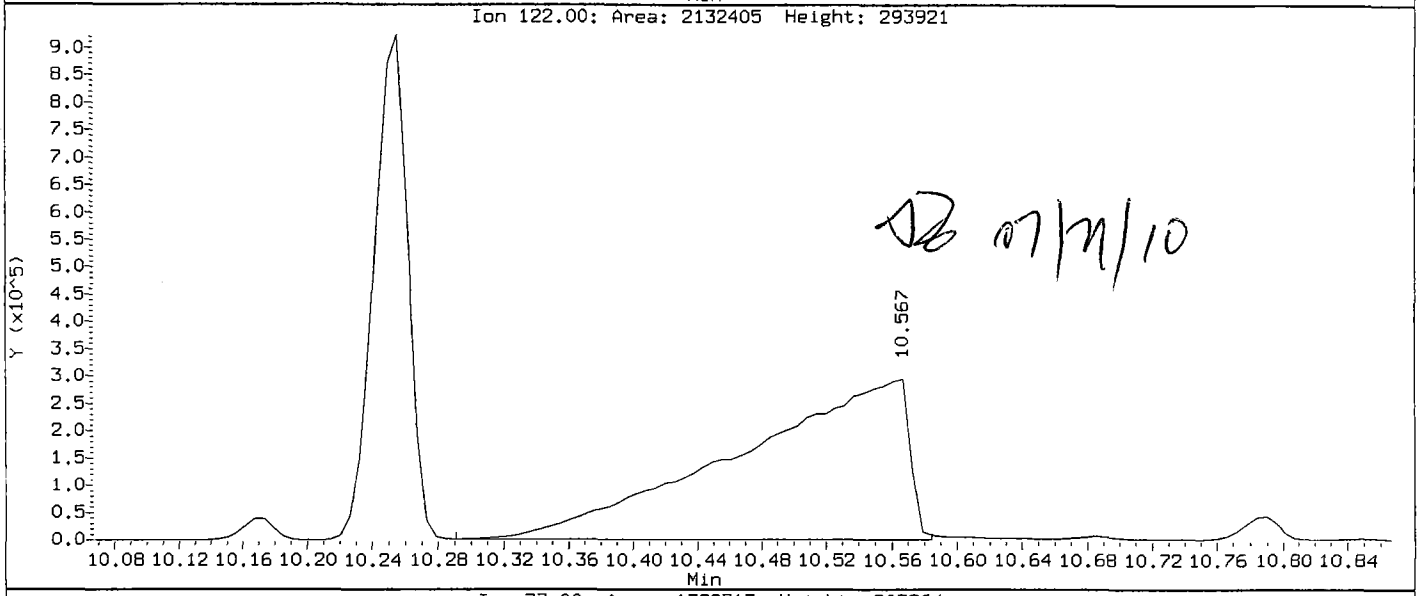
Column phase: ZB-5msi



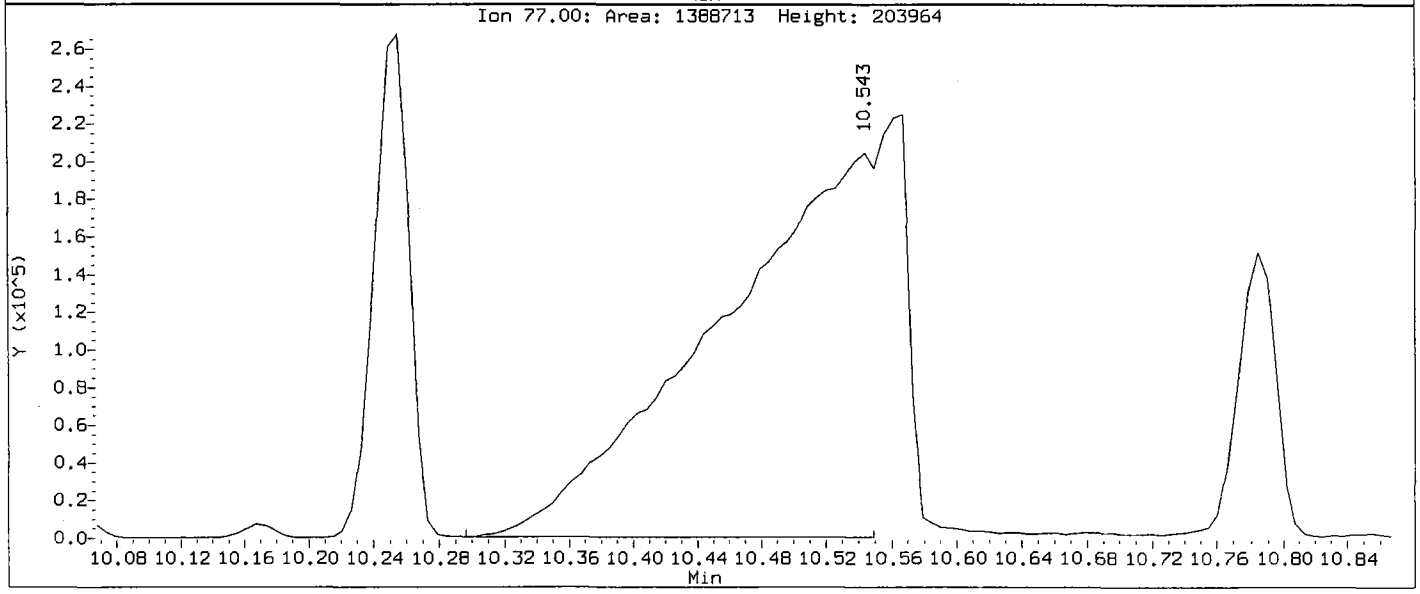
Data File: /chem3/nt4.i/20100719.b/07191007.d
Injection Date: 19-JUL-2010 19:48
Instrument: nt4.i
Client Sample ID: IC800719

Compound: Benzoic acid
CAS Number: 65-85-0



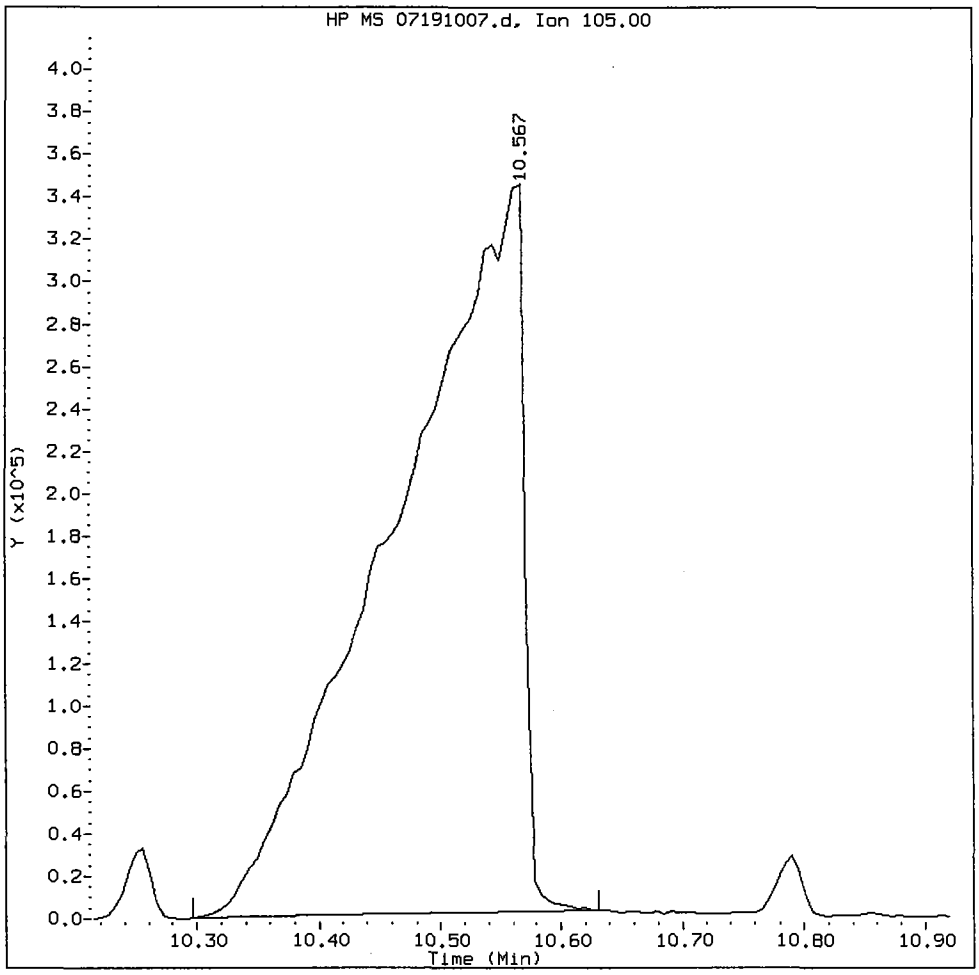


DB 07/21/10



IC800719, /chem3/nt4.i/20100719.b/07191007.d

Benzoic acid Amount: 185.17 Area: 2519498



MANUAL INTEGRATION for Benzoic acid

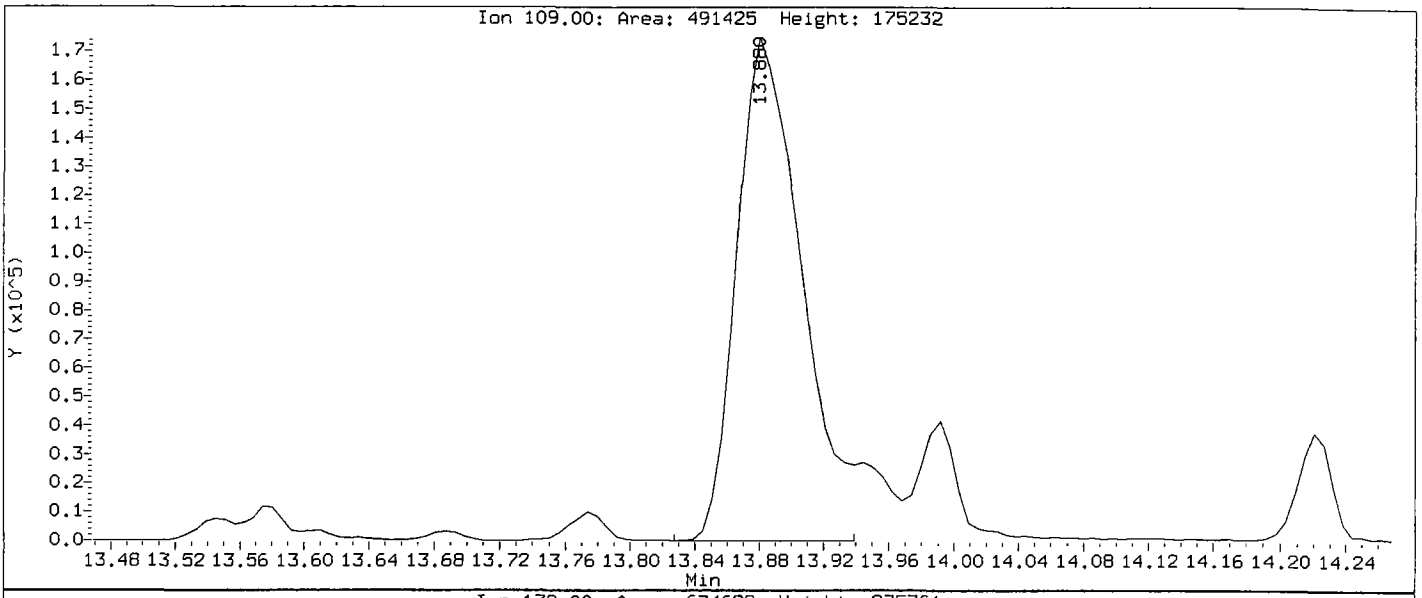
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

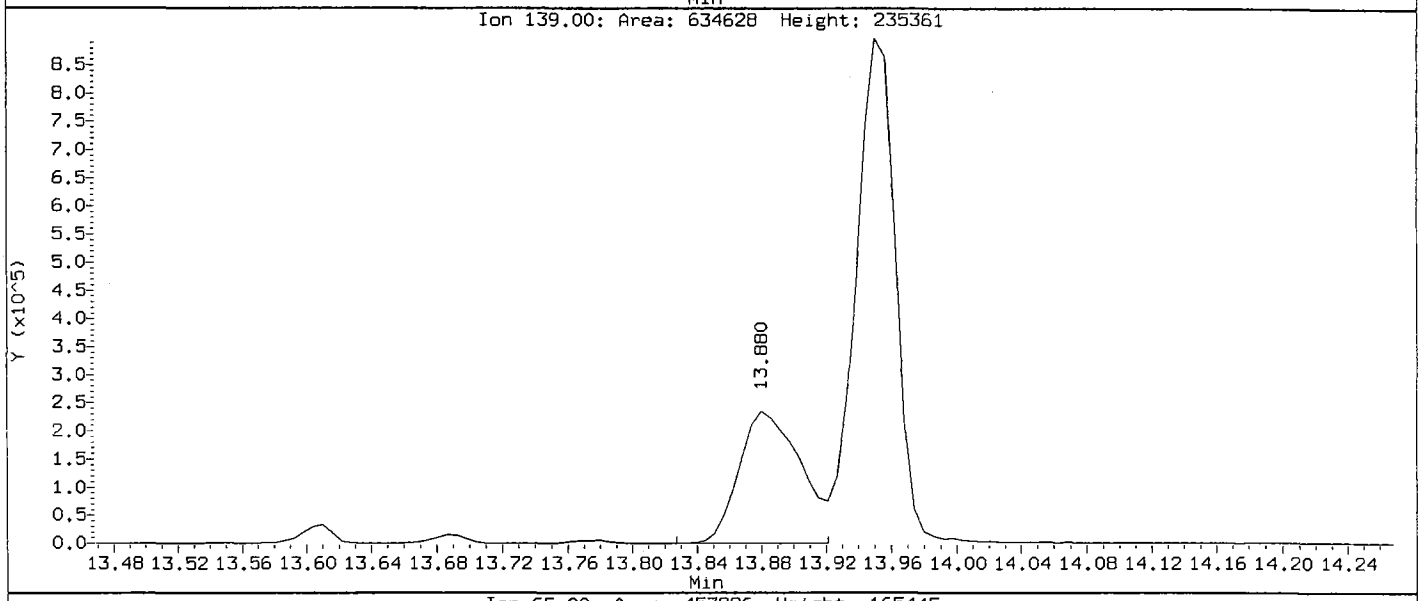
5. Other _____

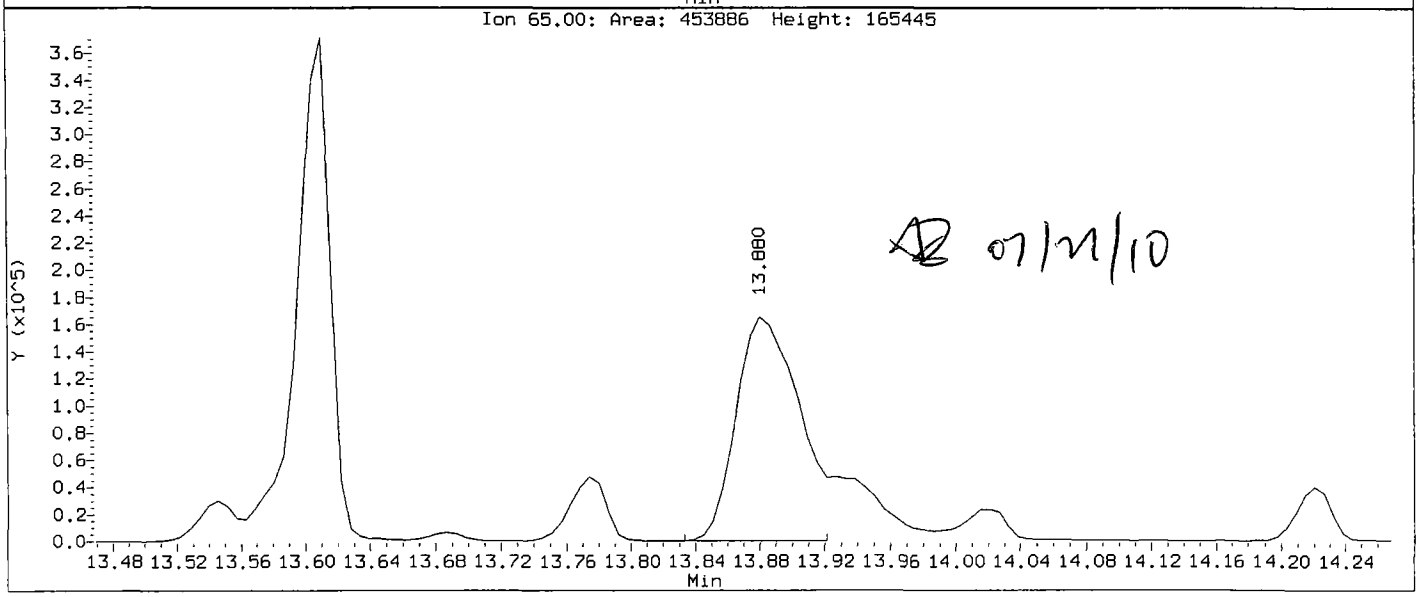
Analyst: AD Date: 07/21/10

Data File: /chem3/nt4.i/20100719.b/07191007.d
Injection Date: 19-JUL-2010 19:48
Instrument: nt4.i
Client Sample ID: IC800719

Compound: 4-Nitrophenol
CAS Number: 100-02-7



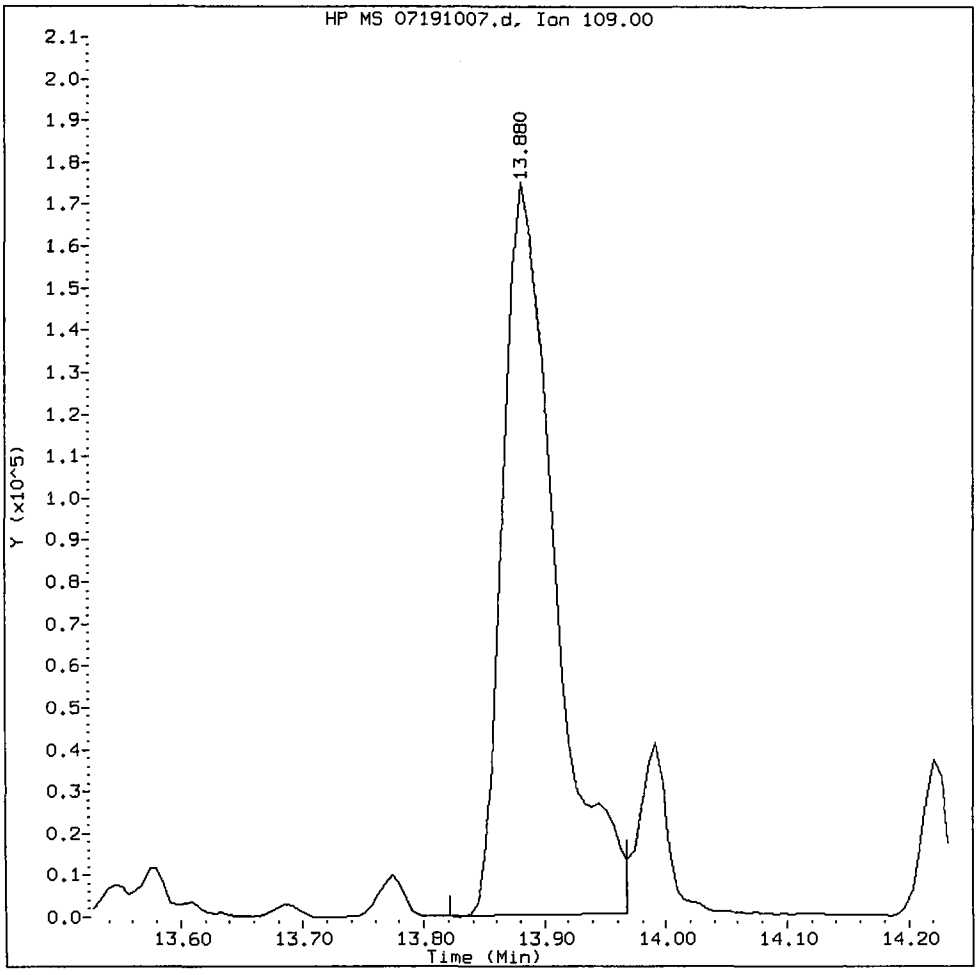




AR 07/21/10

IC800719, /chem3/nt4.i/20100719.b/07191007.d

4-Nitrophenol Amount: 84.96 Area: 524194



MANUAL INTEGRATION for 4-Nitrophenol

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

5. Other _____

Analyst: _____ Date: 07/21/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100719.b/07191008.d
Lab Smp Id: ICV0719 Client Smp ID: ICV0719
Inj Date : 19-JUL-2010 20:21
Operator : JZ Inst ID: nt4.i
Smp Info : ICV0719
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100719.b/SW846100719.m
Meth Date : 21-Jul-2010 18:42 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/21/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$ 1	2-Fluorophenol	112	6.728	6.737	(0.774)	396455	25.2478	25.25(R)
$ 2	Phenol-d5	99	8.214	8.229	(0.945)	401900	26.0189	26.02(R)
3	Phenol	94	8.232	8.252	(0.947)	507383	25.3845	25.38
$ 5	2-Chlorophenol-d4	132	8.384	8.393	(0.965)	425250	25.6577	25.66(R)
4	Bis(2-Chloroethyl)ether	93	8.343	8.352	(0.960)	367789	24.6737	24.67
6	2-Chlorophenol	128	8.414	8.423	(0.968)	485433	25.5200	25.52
7	1,3-Dichlorobenzene	146	8.631	8.640	(0.993)	535892	24.7955	24.80
* 8	1,4-Dichlorobenzene-d4	152	8.690	8.699	(1.000)	289791	20.0000	
9	1,4-Dichlorobenzene	146	8.719	8.722	(1.003)	544224	24.9313	24.93
$ 10	1,2-Dichlorobenzene-d4	152	8.995	8.998	(1.035)	312016	25.2369	25.24(R)
12	1,2-Dichlorobenzene	146	9.013	9.022	(1.037)	511143	25.1418	25.14
11	Benzyl alcohol	108	8.948	8.969	(1.030)	285456	25.2005	25.20
14	2,2'-oxybis(1-Chloropropane)	45	9.207	9.216	(1.059)	354325	25.2878	25.29
13	2-Methylphenol	108	9.166	9.181	(1.055)	402997	26.3923	26.39
17	Hexachloroethane	117	9.506	9.509	(1.094)	201712	24.9488	24.95
16	N-Nitroso-di-n-propylamine	70	9.424	9.445	(1.084)	265210	25.3755	25.38
15	4-Methylphenol	108	9.395	9.415	(1.081)	414665	26.1633	26.16
$ 18	Nitrobenzene-d5	82	9.618	9.627	(0.896)	428922	26.6141	26.61(R)
19	Nitrobenzene	77	9.647	9.662	(0.898)	407643	25.5470	25.55
20	Isophorone	82	10.017	10.038	(0.933)	666101	25.1364	25.14
21	2-Nitrophenol	139	10.164	10.173	(0.946)	269470	27.0302	27.03
22	2,4-Dimethylphenol	107	10.241	10.256	(0.954)	462633	26.0654	26.07
23	Bis(2-Chloroethoxy)methane	93	10.393	10.408	(0.968)	459521	24.8796	24.88
24	Benzoic acid	105	10.446	10.567	(0.973)	697191	48.8442	48.84
25	2,4-Dichlorophenol	162	10.534	10.549	(0.981)	415496	26.6463	26.65
26	1,2,4-Trichlorobenzene	180	10.681	10.684	(0.995)	426723	24.5734	24.57
* 27	Naphthalene-d8	136	10.740	10.749	(1.000)	1041288	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
28	Naphthalene	128	10.775	10.784	(1.003)	1251278	25.3254	25.33
29	4-Chloroaniline	127	10.899	10.908	(1.015)	503039	25.5337	25.53
30	Hexachlorobutadiene	225	11.081	11.084	(1.032)	242046	24.5681	24.57
31	4-Chloro-3-methylphenol	107	11.692	11.701	(1.089)	388357	27.1596	27.16
32	2-Methylnaphthalene	142	11.897	11.906	(1.108)	831770	24.7718	24.77
33	Hexachlorocyclopentadiene	237	12.279	12.282	(0.901)	247661	26.7783	26.78
34	2,4,6-Trichlorophenol	196	12.402	12.411	(0.910)	296058	26.0188	26.02
35	2,4,5-Trichlorophenol	196	12.461	12.470	(0.915)	310779	26.8272	26.83
$ 36	2-Fluorobiphenyl	172	12.532	12.541	(0.920)	972175	25.1079	25.11(R)
37	2-Chloronaphthalene	162	12.684	12.699	(0.931)	857433	24.9410	24.94
38	2-Nitroaniline	65	12.908	12.923	(0.947)	185457	27.9414	27.94
39	Dimethylphthalate	163	13.266	13.287	(0.974)	1000711	24.7816	24.78
40	Acenaphthylene	152	13.372	13.381	(0.981)	1312841	25.3168	25.32
41	2,6-Dinitrotoluene	165	13.366	13.387	(0.981)	241057	26.5288	26.53
* 42	Acenaphthene-d10	164	13.624	13.633	(1.000)	632100	20.0000	
43	3-Nitroaniline	138	13.589	13.610	(0.997)	219280	27.3683	27.37
44	Acenaphthene	153	13.677	13.686	(1.004)	833956	24.7009	24.70
45	2,4-Dinitrophenol	184	13.754	13.780	(1.009)	289825	53.8946	53.89
46	Dibenzofuran	168	13.942	13.951	(1.023)	1139736	25.3251	25.33
47	4-Nitrophenol	109	13.865	13.880	(1.018)	152266	26.8847	26.88
48	2,4-Dinitrotoluene	165	14.006	14.021	(1.028)	322811	26.9428	26.94
50	Diethylphthalate	149	14.429	14.438	(1.059)	1070437	25.6257	25.63
49	Fluorene	166	14.500	14.514	(1.064)	1006902	25.8587	25.86
51	4-Chlorophenyl-phenylether	204	14.511	14.514	(1.065)	481921	25.5176	25.52
52	4-Nitroaniline	138	14.594	14.626	(1.071)	222189	25.5977	25.60
53	4,6-Dinitro-2-methylphenol	198	14.670	14.697	(0.915)	406459	55.7299	55.73
54	N-Nitrosodiphenylamine	169	14.711	14.732	(0.918)	754750	25.3136	25.31
$ 55	2,4,6-Tribromophenol	330	14.928	14.937	(1.096)	122806	27.1681	27.17(R)
56	4-Bromophenyl-phenylether	248	15.299	15.308	(0.955)	272268	25.1977	25.20
57	Hexachlorobenzene	284	15.539	15.548	(0.970)	272787	24.6474	24.65
58	Pentachlorophenol	266	15.827	15.842	(0.988)	198545	26.3285	26.33
* 59	Phenanthrene-d10	188	16.027	16.036	(1.000)	1057026	20.0000	
60	Phenanthrene	178	16.062	16.077	(1.002)	1373128	25.0764	25.08
61	Anthracene	178	16.139	16.153	(1.007)	1428848	25.5078	25.51
62	Carbazole	167	16.409	16.424	(1.024)	1270670	24.9632	24.96
63	Di-n-butylphthalate	149	17.084	17.093	(1.066)	1704804	26.2672	26.27
64	Fluoranthene	202	18.018	18.027	(1.124)	1449527	25.5494	25.55
65	Pyrene	202	18.383	18.397	(0.902)	1489120	24.8406	24.84
$ 66	Terphenyl-d14	244	18.665	18.674	(0.916)	920765	25.1526	25.15(R)
67	Butylbenzylphthalate	149	19.528	19.543	(0.958)	787143	25.8738	25.87
68	Benzo(a)anthracene	228	20.350	20.365	(0.999)	1389923	25.0808	25.08
* 69	Chrysene-d12	240	20.380	20.389	(1.000)	945392	20.0000	
70	3,3'-Dichlorobenzidine	252	20.339	20.348	(0.998)	460373	25.6856	25.69
71	Chrysene	228	20.421	20.436	(1.002)	1348854	24.8683	24.87
72	bis(2-Ethylhexyl)phthalate	149	20.515	20.518	(0.956)	1091697	26.3692	26.37
* 134	Di-n-octylphthalate-d4	153	21.449	21.458	(1.000)	1458222	20.0000	
73	Di-n-octylphthalate	149	21.461	21.470	(1.001)	1841837	25.4048	25.40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
74	Benzo(b)fluoranthene	252	22.019	22.040	(0.976)	1372217	24.6520	24.65
75	Benzo(k)fluoranthene	252	22.054	22.075	(0.977)	1482389	26.2902	26.29
187	Total Benzofluoranthenes	252	22.054	22.075	(0.977)	2706497	51.2879	51.29
76	Benzo(a)pyrene	252	22.489	22.510	(0.996)	1275956	25.8408	25.84
* 77	Perylene-d12	264	22.571	22.580	(1.000)	894258	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	24.416	24.454	(1.082)	1345166	25.3704	25.37
79	Dibenzo(a,h)anthracene	278	24.439	24.477	(1.083)	1114931	26.1572	26.16
80	Benzo(g,h,i)perylene	276	24.944	24.989	(1.105)	1147098	25.3100	25.31
90	N-Nitrosodimethylamine	74	4.261	4.281	(0.490)	209520	24.8187	24.82
103	Pyridine	79	4.237	4.240	(0.488)	377090	25.9012	25.90
91	Aniline	93	8.237	8.252	(0.948)	518241	24.8402	24.84
105	1-methylnaphthalene	142	12.073	12.082	(1.124)	809992	24.6257	24.63
93	Benzidine	184	18.242	18.251	(0.895)	409767	23.6579	23.66
111	Azobenzene (1,2-DP-Hydrazine)	77	14.764	14.779	(1.084)	804253	25.7433	25.74
143	1,4-Dioxane	88	3.485	3.494	(0.401)	136073	24.3666	24.37
$ 137	d8-1,4-Dioxane	96	3.415	3.424	(0.393)	142232	24.4844	24.48(R)
151	1,2,4,5-Tetrachlorobenzene	216	12.238	12.247	(0.898)	410665	24.7046	24.70
120	2,3,4,6-Tetrachlorophenol	232	14.212	14.221	(1.043)	258011	26.9020	26.90
144	alpha-Terpineol	59	10.775	10.790	(1.003)	218542	25.0926	25.09
98	Retene	219	18.923	18.932	(0.928)	496626	24.7205	24.72
133	Butylatedhydroxytoluene	205	13.765	13.774	(1.010)	784653	26.0616	26.06
115	Tributyl Phosphate	99	14.776	14.802	(0.922)	1064967	26.5486	26.55
116	Dibutyl Phenyl Phosphate	175	16.526	16.535	(1.031)	868517	26.3522	26.35
117	Butyl Diphenyl Phosphate	94	18.236	18.245	(0.895)	245396	25.3828	25.38
118	Triphenyl Phosphate	326	19.857	19.866	(0.974)	242593	25.3227	25.32
123	Acetophenone	105	9.377	9.392	(0.873)	562165	25.4250	25.43
179	n-Decane	57	8.496	8.505	(0.978)	293017	25.2600	25.26
180	n-Octadecane	57	15.880	15.883	(0.991)	374396	25.7724	25.77
168	Pentachlorobenzene	250	13.983	13.992	(1.026)	321693	24.4279	24.43
113	Diphenyl Oxide	170	12.867	12.870	(0.944)	832301	24.4721	24.47
112	Biphenyl	154	12.673	12.682	(0.930)	983481	25.1520	25.15
110	Tetrachloroguaiacol	247	15.951	15.971	(0.995)	324626	52.6521	52.65
109	3,4,5-Trichloroguaiacol	213	14.306	14.315	(0.893)	168964	26.6531	26.65
181	3,4,6-Trichloroguaiacol	211	14.429	14.444	(0.900)	200402	26.8849	26.88
108	4,5,6-Trichloroguaiacol	213	15.340	15.349	(0.957)	171608	25.9247	25.92
184	3,4-Dichloroguaiacol	192	12.755	12.764	(0.936)	166207	25.4030	25.40
107	4,5-Dichloroguaiacol	192	13.530	13.545	(0.993)	227452	24.7186	24.72
182	4,6-Dichloroguaiacol	192	13.566	13.580	(0.996)	212467	26.1631	26.16
185	4-Chloroguaiacol	115	11.650	11.660	(1.341)	114163	13.0162	13.02
106	Guaiacol	124	9.636	9.645	(1.109)	392832	25.4304	25.43

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 07191008.d
Lab Smp Id: ICV0719
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-JUL-2010
Calibration Time: 16:18
Client Smp ID: ICV0719
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	289791	-18.71
27 Naphthalene-d8	1293412	646706	2586824	1041288	-19.49
42 Acenaphthene-d10	785897	392948	1571794	632100	-19.57
59 Phenanthrene-d10	1313990	656995	2627980	1057026	-19.56
69 Chrysene-d12	1155293	577646	2310586	945392	-18.17
134 Di-n-octylphthala	1825297	912648	3650594	1458222	-20.11
77 Perylene-d12	1146289	573144	2292578	894258	-21.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	8.70	8.20	9.20	8.69	-0.09
27 Naphthalene-d8	10.74	10.24	11.24	10.74	-0.02
42 Acenaphthene-d10	13.63	13.13	14.13	13.62	-0.02
59 Phenanthrene-d10	16.03	15.53	16.53	16.03	-0.01
69 Chrysene-d12	20.38	19.88	20.88	20.38	-0.01
134 Di-n-octylphthala	21.45	20.95	21.95	21.45	-0.01
77 Perylene-d12	22.58	22.08	23.08	22.57	-0.04

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: NONE
Lab Smp Id: ICV0719
Level:
Data Type: MS DATA
SpikeList File: ICVS.spk
Sublist File: ICAL.sub
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

Client SDG: 20100719
Fraction: SV
Client Smp ID: ICV0719
Operator: JZ
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3	Phenol	25.00	25.38	101.54	
4	Bis(2-Chloroethyl)	25.00	24.67	98.69	
6	2-Chlorophenol	25.00	25.52	102.08	
7	1,3-Dichlorobenzen	25.00	24.80	99.18	
9	1,4-Dichlorobenzen	25.00	24.93	99.73	
11	Benzyl alcohol	25.00	25.20	100.80	
12	1,2-Dichlorobenzen	25.00	25.14	100.57	
13	2-Methylphenol	25.00	26.39	105.57	
14	2,2'-oxybis(1-Chlo	25.00	25.29	101.15	
15	4-Methylphenol	25.00	26.16	104.65	
16	N-Nitroso-di-n-pro	25.00	25.38	101.50	
17	Hexachloroethane	25.00	24.95	99.80	
19	Nitrobenzene	25.00	25.55	102.19	
20	Isophorone	25.00	25.14	100.55	
21	2-Nitrophenol	25.00	27.03	108.12	
22	2,4-Dimethylphenol	25.00	26.07	104.26	
23	Bis(2-Chloroethoxy	25.00	24.88	99.52	
24	Benzoic acid	50.00	48.84	97.69	
25	2,4-Dichlorophenol	25.00	26.65	106.59	
26	1,2,4-Trichloroben	25.00	24.57	98.29	
28	Naphthalene	25.00	25.33	101.30	
29	4-Chloroaniline	25.00	25.53	102.13	
30	Hexachlorobutadien	25.00	24.57	98.27	
31	4-Chloro-3-methylp	25.00	27.16	108.64	
32	2-Methylnaphthalen	25.00	24.77	99.09	
33	Hexachlorocyclopen	25.00	26.78	107.11	
34	2,4,6-Trichlorophe	25.00	26.02	104.08	
35	2,4,5-Trichlorophe	25.00	26.83	107.31	
37	2-Chloronaphthalen	25.00	24.94	99.76	
38	2-Nitroaniline	25.00	27.94	111.77	
39	Dimethylphthalate	25.00	24.78	99.13	
40	Acenaphthylene	25.00	25.32	101.27	
41	2,6-Dinitrotoluene	25.00	26.53	106.12	

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
43	3-Nitroaniline	25.00	27.37	109.47	
44	Acenaphthene	25.00	24.70	98.80	
45	2,4-Dinitrophenol	50.00	53.89	107.79	
46	Dibenzofuran	25.00	25.33	101.30	
47	4-Nitrophenol	25.00	26.88	107.54	
48	2,4-Dinitrotoluene	25.00	26.94	107.77	
49	Fluorene	25.00	25.86	103.43	
50	Diethylphthalate	25.00	25.63	102.50	
51	4-Chlorophenyl-phe	25.00	25.52	102.07	
52	4-Nitroaniline	25.00	25.60	102.39	
53	4,6-Dinitro-2-meth	50.00	55.73	111.46	
54	N-Nitrosodiphenyla	25.00	25.31	101.25	
56	4-Bromophenyl-phen	25.00	25.20	100.79	
57	Hexachlorobenzene	25.00	24.65	98.59	
58	Pentachlorophenol	25.00	26.33	105.31	
60	Phenanthrene	25.00	25.08	100.31	
61	Anthracene	25.00	25.51	102.03	
63	Di-n-butylphthalat	25.00	26.27	105.07	
64	Fluoranthene	25.00	25.55	102.20	
65	Pyrene	25.00	24.84	99.36	
67	Butylbenzylphthala	25.00	25.87	103.50	
68	Benzo(a)anthracene	25.00	25.08	100.32	
70	3,3'-Dichlorobenzi	25.00	25.69	102.74	
71	Chrysene	25.00	24.87	99.47	
72	bis(2-Ethylhexyl)p	25.00	26.37	105.48	
73	Di-n-octylphthalat	25.00	25.40	101.62	
74	Benzo(b)fluoranthe	25.00	24.65	98.61	
75	Benzo(k)fluoranthe	25.00	26.29	105.16	
76	Benzo(a)pyrene	25.00	25.84	103.36	
78	Indeno(1,2,3-cd)py	25.00	25.37	101.48	
79	Dibenzo(a,h)anthra	25.00	26.16	104.63	
80	Benzo(g,h,i)peryle	25.00	25.31	101.24	
90	N-Nitrosodimethyla	25.00	24.82	99.27	
91	Aniline	25.00	24.84	99.36	
93	Benzidine	25.00	23.66	94.63	
105	1-methylnaphthalen	25.00	24.63	98.50	
120	2,3,4,6-Tetrachlor	25.00	26.90	107.61	
151	1,2,4,5-Tetrachlor	25.00	24.70	98.82	
110	Tetrachloroguaiaco	50.00	52.65	105.30	
109	3,4,5-Trichlorogua	25.00	26.65	106.61	
181	3,4,6-Trichlorogua	25.00	26.88	107.54	
108	4,5,6-Trichlorogua	25.00	25.92	103.70	
184	3,4-Dichloroguaiac	25.00	25.40	101.61	
107	4,5-Dichloroguaiac	25.00	24.72	98.87	
182	4,6-Dichloroguaiac	25.00	26.16	104.65	
185	4-Chloroguaiacol	12.50	13.02	104.13	
106	Guaiacol	25.00	25.43	101.72	

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 20100719
Sample Matrix: NONE Fraction: SV
Lab Smp Id: ICV0719 Client Smp ID: ICV0719
Level: Operator: JZ
Data Type: MS DATA SampleType: LCS
SpikeList File: ICVS.spk Quant Type: ISTD
Sublist File: ICAL.sub
Method File: /chem3/nt4.i/20100719.b/SW846100719.m
Misc Info: 10-

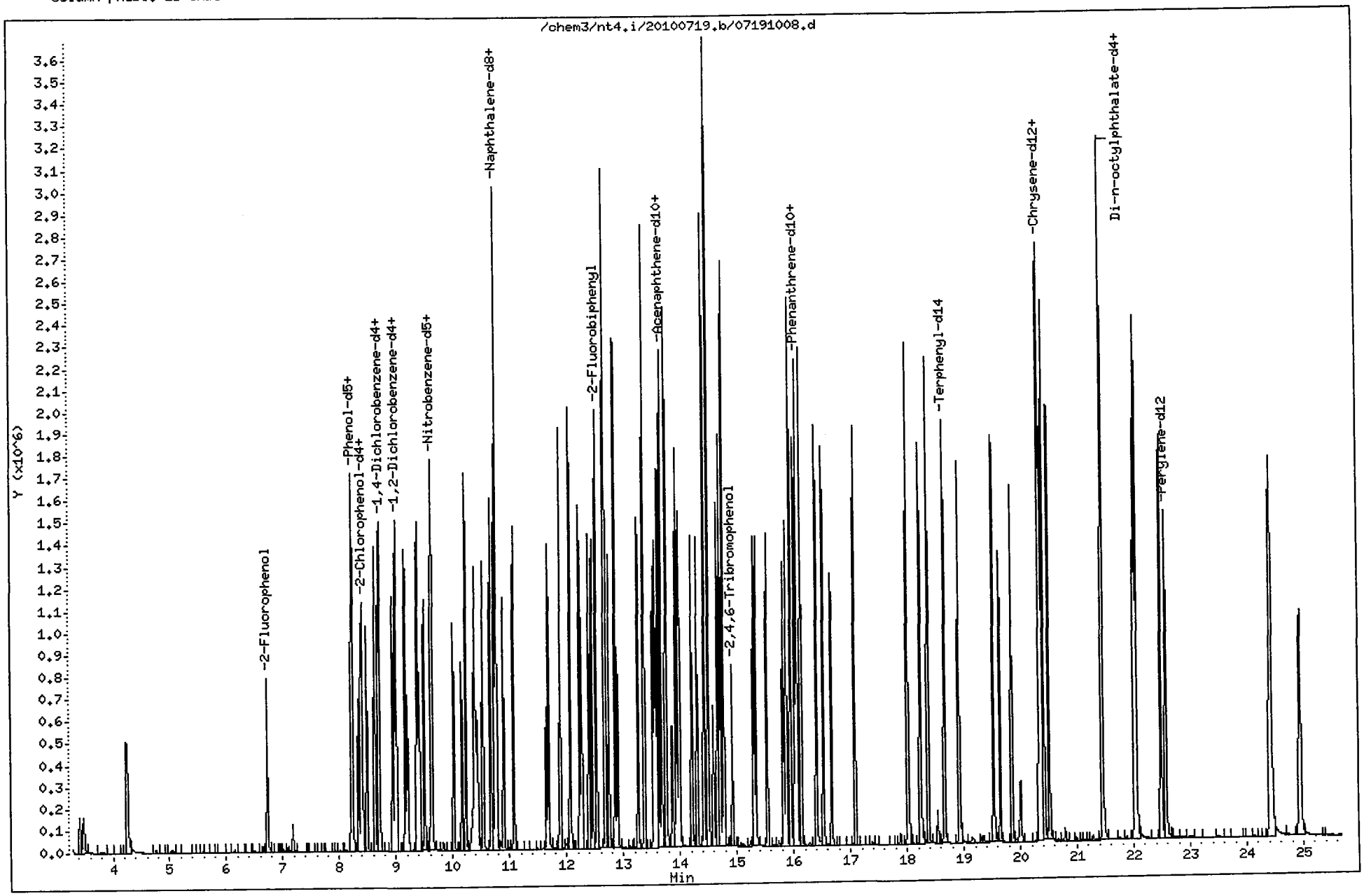
SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	25.00	25.25	100.99	
$ 2 Phenol-d5	25.00	26.02	104.08	
$ 5 2-Chlorophenol-d4	25.00	25.66	102.63	
$ 10 1,2-Dichlorobenzen	25.00	25.24	100.95	
$ 18 Nitrobenzene-d5	25.00	26.61	106.46	
$ 36 2-Fluorobiphenyl	25.00	25.11	100.43	
$ 55 2,4,6-Tribromophen	25.00	27.17	108.67	
$ 66 Terphenyl-d14	25.00	25.15	100.61	
$ 137 d8-1,4-Dioxane	25.00	24.48	97.94	

Data File: /chem3/nt4.i/20100719.b/07191008.d
Date : 19-JUL-2010 20:21
Client ID: ICV0719
Sample Info: ICV0719

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Semivolatile PAH Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG60

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/12/10 Analysis: 8270 Analyst: AR

GC Program: ~~8270~~ Column No: 17227 Column Type: ZB-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1543

Calibration File: 08120001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1762-1	~~1747-3, 1733-1~~	
	~~1734-1, 1736-1~~	
	~~1809, 1776-1~~ 08/13/10	
	~~1753-1, 1756-1~~	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.i/20100812.b

	Time	Filename	LabID	ClientId	DF											
1	1142	08121001.D	CC0812	CC0812	1	7.25	170078	9.33	563656	12.20	331873	14.57	526027	18.89	597231	21.04	556523	20.13	727831
2	1214	08121002.D	RG51MBS1	RG51MBS1	1	9.32	654011	12.19	386336	14.56	624497	18.88	689136	21.04	618317				
3	1247	08121003.D	RG51LCSS1	RG51LCSS1	1	9.32	659808	12.19	376047	14.56	616996	18.89	660878	21.04	624348				
4	1319	08121004.D	RG51A	PSB12-0-0.5-	3	9.32	659613	12.20	380554	14.56	608779	18.88	710702	21.05	765720				
5	1352	08121005.D	RG51A	PSB12-0-0.5-	1	9.32	624298	12.19	363695	14.57	582400	18.89	758225	21.06	752564				
6	1425	08121006.D	RG51B	PSB12-1.5-2.	1	9.32	644085	12.20	378101	14.57	606153	18.89	727151	21.05	726625				
7	1457	08121007.D	RG51C	PSB12-2-4-07	1	9.32	675619	12.20	402393	14.57	645964	18.89	772569	21.06	779609				
8	1530	08121008.D	RG51E	PSB12-8-10-0	1	9.33	690383	12.20	400767	14.57	655503	18.89	758101	21.05	745929				
9	1603	08121009.D	RG51F	PSB12-14-17-	1	9.32	672234	12.20	389561	14.57	623192	18.89	771041	21.05	770890				
10	1636	08121010.D	RG51FMS	PSB12-14-17-	1	9.32	647337	12.20	368766	14.57	609818	18.89	724259	21.05	744130				
11	1708	08121011.D	RG51FMSD	PSB12-14-17-	1	9.32	684526	12.20	391450	14.57	646825	18.89	805012	21.05	809972				
12	1741	08121012.D	RG54A	PSB14-0-.5-0	1	9.32	646802	12.19	372263	14.57	604870	18.89	792141	21.07	779443				
13	1814	08121013.D	RG54B	PSB14-1.5-2.	1	9.32	684688	12.20	394732	14.57	650726	18.89	791148	21.05	754770				
14	1846	08121014.D	RG54C	PSB14-2-4-07	1	9.32	697008	12.19	405526	14.57	659514	18.89	805472	21.05	768749				
15	1919	08121015.D	RG54E	PSB14-7-9-07	1	9.33	688034	12.20	406917	14.57	657807	18.89	815444	21.06	808589				
16	1951	08121016.D	RG54F	PSB14-12-14-	1	9.32	680198	12.20	399910	14.57	646609	18.89	802236	21.05	765842				
17	2024	08121017.D	RG54H	PSB17-0-0.5-	3	9.33	613119	12.20	357559	14.57	574005	18.89	789037	21.07	727276				
18	2056	08121018.D	RG54I	PSB17-1.5-2-	1	9.33	666015	12.20	391326	14.57	638836	18.89	777046	21.05	722521				
19	2129	08121019.D	RG54J	PSB17-2-4-07	1	9.33	675475	12.20	399146	14.57	666150	18.89	834140	21.05	744511				
20	2201	08121020.D	RG54L	PSB17-10-13-	1	9.32	673627	12.20	398471	14.57	658509	18.89	817846	21.05	755989				
21	2233	08121021.D	RG60A	PSB13-0-0.5-	1	9.32	635836	12.20	370489	14.57	618800	18.89	763836	21.05	732220				
22	2306	08121022.D	RG60B	PSB13-1.5-2-	1	9.33	672506	12.20	396543	14.57	662430	18.89	834468	21.06	779307				

Maintenance / Comments

AR 08/13/10

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.

RG60 : 00646

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: ~~RG41; RG54; RG60~~ Client ID: Floyd/Snider

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 (NT-6) NT-8 NT11

Curve Date: 7/23/10 Analysis Start Date: 8/12; 8/13/10

DFTPP Tune Meets Criteria?	(YES) / NO	Internal Standard Meets Criteria?	(YES) / NO
DDT Breakdown <20%?	(YES) / NO / NA	Method Blank In Control?	(YES) / NO
Peak Tailing Factor ≤2?	(YES) / NO / NA	LCS / LCSD Recovery In Control?	(YES) / NO
ICal acceptable?	~~YES~~ / NO	CCal acceptable?	(YES) / NO
Q flag applied?	YES / NO	Q flag applied?	YES / NO
Surrogate Recovery in Control?	YES / (NO)	Special Analysis Criteria Met?	YES / NO / (NA)
Manual Integrations for ICal?	(YES) / NO	Manual Integrations for Samples?	Yes / (NO)

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

8/12: Samples RG41A-F, RG54A-F, I, J & S, RG60A-C + MB/LCS+MS/MSD.

8/13: Samples RG60D-F & C + RG54H + Diluted for RG54E.

Sample RG54A & RG60A-C will be re-extracted for SS recovery out of QC limit.

Batch QC: RG41, RG54 & RG60

Forms included.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 8/16/10

Reviewer: _____ **Date:** 8/16/10

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100812.b

ARI Job No.: CC08 Method: SW846072310.m Instrument: nt6.i Date: 12-AUG-2010

D 08/13/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1142	08121001.D	CC0812	CC0812	1	NO MANUAL INTEGRATION
1214	08121002.D	RG51MBS1	RG51MBS1	1	NO MANUAL INTEGRATION
1247	08121003.D	RG51LCSS1	RG51LCSS1	1	NO MANUAL INTEGRATION
1319	08121004.D	RG51A	PSB12-0-0.	3	NO MANUAL INTEGRATION
1352	08121005.D	RG51A	PSB12-0-0.	1	NO MANUAL INTEGRATION
1425	08121006.D	RG51B	PSB12-1.5-	1	NO MANUAL INTEGRATION
1457	08121007.D	RG51C	PSB12-2-4-	1	NO MANUAL INTEGRATION
1530	08121008.D	RG51E	PSB12-8-10	1	NO MANUAL INTEGRATION
1603	08121009.D	RG51F	PSB12-14-1	1	NO MANUAL INTEGRATION
1636	08121010.D	RG51FMS	PSB12-14-1	1	NO MANUAL INTEGRATION
1708	08121011.D	RG51FMSD	PSB12-14-1	1	NO MANUAL INTEGRATION
1741	08121012.D	RG54A	PSB14-0-.5	1	NO MANUAL INTEGRATION
1814	08121013.D	RG54B	PSB14-1.5-	1	NO MANUAL INTEGRATION
1846	08121014.D	RG54C	PSB14-2-4-	1	NO MANUAL INTEGRATION
1919	08121015.D	RG54E	PSB14-7-9-	1	NO MANUAL INTEGRATION
1951	08121016.D	RG54F	PSB14-12-1	1	NO MANUAL INTEGRATION
2056	08121018.D	RG54I	PSB17-1.5-	1	NO MANUAL INTEGRATION
2129	08121019.D	RG54J	PSB17-2-4-	1	NO MANUAL INTEGRATION
2201	08121020.D	RG54L	PSB17-10-1	1	NO MANUAL INTEGRATION
2233	08121021.D	RG60A	PSB13-0-0.	1	NO MANUAL INTEGRATION
2306	08121022.D	RG60B	PSB13-1.5-	1	NO MANUAL INTEGRATION

SS out

SS out

SS out

SS out

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt6.i/20100812.b

Instrument: nt6.i Date: 12-AUG-2010 Method: SW846072310.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

DB 08/17/10

CONTINUING CAL: 12-AUG-2010

Compound	%D
4-Nitrophenol	-21.3

NTC

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08121001.D
Analysis Type:
Lab Sample ID: CC0812
Method: /chem1/nt6.i/20100812.b/SW846072310.m

Injection Date: 12-AUG-2010 11:42
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

AZ 08/17/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.32873	1.36015	1.36015	0.010	2.36473	20.00000	Averaged
$ 2 Phenol-d5	1.53477	1.58504	1.58504	0.010	3.27538	20.00000	Averaged
3 Phenol	1.70453	1.81407	1.81407	0.010	6.42662	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.29631	1.27373	1.27373	0.010	-1.74176	20.00000	Averaged
4 Bis(2-Chloroethyl)ether	1.30667	1.30646	1.30646	0.010	-0.01671	20.00000	Averaged
6 2-Chlorophenol	1.47378	1.47374	1.47374	0.010	-0.00240	20.00000	Averaged
7 1,3-Dichlorobenzene	1.71678	1.70605	1.70605	0.010	-0.62524	20.00000	Averaged
9 1,4-Dichlorobenzene	1.68189	1.68901	1.68901	0.010	0.42325	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89939	0.92374	0.92374	0.010	2.70681	20.00000	Averaged
12 1,2-Dichlorobenzene	1.56400	1.58891	1.58891	0.010	1.59249	20.00000	Averaged
11 Benzyl alcohol	0.80695	0.84277	0.84277	0.010	4.43854	20.00000	Averaged
14 2,2'-oxybis(1-Chloropropane	1.39331	1.53597	1.53597	0.010	10.23828	20.00000	Averaged
13 2-Methylphenol	1.27111	1.32428	1.32428	0.010	4.18307	20.00000	Averaged
17 Hexachloroethane	0.60757	0.61201	0.61201	0.010	0.73060	20.00000	Averaged
16 N-Nitroso-di-n-propylamine	0.88368	0.91516	0.91516	0.005	3.56199	20.00000	Averaged
15 4-Methylphenol	1.25486	1.37272	1.37272	0.010	9.39255	20.00000	Averaged
$ 18 Nitrobenzene-d5	0.38855	0.37846	0.37846	0.010	-2.59690	20.00000	Averaged
19 Nitrobenzene	0.43075	0.42915	0.42915	0.010	-0.37266	20.00000	Averaged
20 Isophorone	0.68600	0.70045	0.70045	0.010	2.10607	20.00000	Averaged
21 2-Nitrophenol	0.25274	0.26485	0.26485	0.010	4.79093	20.00000	Averaged
22 2,4-Dimethylphenol	0.41587	0.41933	0.41933	0.010	0.83287	20.00000	Averaged
23 Bis(2-Chloroethoxy)methane	0.47536	0.48770	0.48770	0.010	2.59644	20.00000	Averaged
24 Benzoic acid	0.30742	0.27413	0.27413	0.010	-10.82800	20.00000	Averaged
25 2,4-Dichlorophenol	0.36413	0.38860	0.38860	0.010	6.71955	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.39778	0.39873	0.39873	0.010	0.24031	20.00000	Averaged
28 Naphthalene	1.13038	1.14383	1.14383	0.010	1.19007	20.00000	Averaged
29 4-Chloroaniline	0.45282	0.46190	0.46190	0.010	2.00520	20.00000	Averaged
30 Hexachlorobutadiene	0.23198	0.23756	0.23756	0.010	2.40773	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.35105	0.37133	0.37133	0.010	5.77685	20.00000	Averaged
32 2-Methylnaphthalene	0.62036	0.63833	0.63833	0.010	2.89812	20.00000	Averaged
33 Hexachlorocyclopentadiene	21.80335	25.00000	0.36265	0.010	-12.78660	20.00000	Linear
34 2,4,6-Trichlorophenol	0.45790	0.47899	0.47899	0.010	4.60750	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47246	0.48815	0.48815	0.010	3.31919	20.00000	Averaged
$ 36 2-Fluorobiphenyl	1.40011	1.34441	1.34441	0.010	-3.97837	20.00000	Averaged
37 2-Chloronaphthalene	1.32938	1.31645	1.31645	0.010	-0.97226	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 12-AUG-2010 11:42
Lab File ID: 08121001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0812 Quant Type: ISTD
Method: /chem1/nt6.i/20100812.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.33095	0.32311	0.32311	0.010	-2.36967	20.00000	Averaged	
39 Dimethylphthalate	1.50119	1.47831	1.47831	0.010	-1.52393	20.00000	Averaged	
40 Acenaphthylene	2.05833	2.06862	2.06862	0.010	0.49975	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.35670	0.36971	0.36971	0.010	3.64800	20.00000	Averaged	
43 3-Nitroaniline	0.31209	0.31287	0.31287	0.010	0.25126	20.00000	Averaged	
44 Acenaphthene	1.28541	1.26570	1.26570	0.010	-1.53360	20.00000	Averaged	
45 2,4-Dinitrophenol	40.86929	50.00000	0.23959	0.010	-18.26143	20.00000	Linear	
46 Dibenzofuran	1.70738	1.71222	1.71222	0.010	0.28303	20.00000	Averaged	
47 4-Nitrophenol	0.18552	0.14592	0.14592	0.010	-21.34275	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.45944	0.47456	0.47456	0.010	3.29055	20.00000	Averaged	
50 Diethylphthalate	1.39533	1.28474	1.28474	0.010	-7.92563	20.00000	Averaged	
49 Fluorene	1.45467	1.50756	1.50756	0.010	3.63616	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.71936	0.72537	0.72537	0.010	0.83446	20.00000	Averaged	
52 4-Nitroaniline	0.34745	0.28499	0.28499	0.010	-17.97675	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.19806	0.19928	0.19928	0.010	0.61766	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.68493	0.69496	0.69496	0.010	1.46502	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.18223	0.20774	0.20774	0.010	13.99531	20.00000	Averaged	
56 4-Bromophenyl-phenylether	0.29331	0.31410	0.31410	0.010	7.09053	20.00000	Averaged	
57 Hexachlorobenzene	0.30899	0.34221	0.34221	0.010	10.75316	20.00000	Averaged	
58 Pentachlorophenol	0.18262	0.16418	0.16418	0.010	-10.09774	20.00000	Averaged	
60 Phenanthrene	1.24231	1.27488	1.27488	0.010	2.62167	20.00000	Averaged	
61 Anthracene	1.28336	1.32078	1.32078	0.010	2.91608	20.00000	Averaged	
62 Carbazole	1.19107	1.08977	1.08977	0.010	-8.50497	20.00000	Averaged	
63 Di-n-butylphthalate	1.45976	1.49507	1.49507	0.010	2.41878	20.00000	Averaged	
64 Fluoranthene	1.34612	1.46240	1.46240	0.010	8.63812	20.00000	Averaged	
65 Pyrene	1.20453	1.24410	1.24410	0.010	3.28457	20.00000	Averaged	
$ 66 Terphenyl-d14	0.70850	0.76518	0.76518	0.010	7.99973	20.00000	Averaged	
67 Butylbenzylphthalate	0.58237	0.60425	0.60425	0.010	3.75739	20.00000	Averaged	
68 Benzo(a)anthracene	1.15615	1.24339	1.24339	0.010	7.54530	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37517	0.39132	0.39132	0.010	4.30403	20.00000	Averaged	
71 Chrysene	1.08220	1.10600	1.10600	0.010	2.19902	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.63407	0.67038	0.67038	0.010	5.72735	20.00000	Averaged	
73 Di-n-octylphthalate	1.08410	1.08234	1.08234	0.010	-0.16280	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.33887	1.36666	1.36666	0.010	2.07496	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.38193	1.45418	1.45418	0.010	5.22836	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08121001.D
Analysis Type:
Lab Sample ID: CC0812
Method: /chem1/nt6.i/20100812.b/SW846072310.m

Injection Date: 12-AUG-2010 11:42
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.28781	1.32168	1.32168	0.010	2.62966	20.00000	Averaged
76 Benzo(a)pyrene	1.26119	1.30073	1.30073	0.010	3.13588	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.68718	1.63050	1.63050	0.010	-3.35982	20.00000	Averaged
79 Dibenzo(a,h)anthracene	1.29650	1.28305	1.28305	0.010	-1.03803	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.52194	1.45557	1.45557	0.010	-4.36116	20.00000	Averaged
90 N-Nitrosodimethylamine	0.86213	0.86684	0.86684	0.010	0.54588	20.00000	Averaged
103 Pyridine	1.54116	1.60538	1.60538	0.010	4.16675	20.00000	Averaged
91 Aniline	1.95218	1.95946	1.95946	0.010	0.37263	20.00000	Averaged
105 1-methylnaphthalene	0.64079	0.66198	0.66198	0.010	3.30809	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100812.b/08121001.D
Lab Smp Id: CC0812 Client Smp ID: CC0812
Inj Date : 12-AUG-2010 11:42
Operator : JZ Inst ID: nt6.i
Smp Info : CC0812
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100812.b/SW846072310.m
Meth Date : 12-Aug-2010 14:01 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

08/12/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.227	5.227	(0.721)	289165	25.0000	25.59
$	2 Phenol-d5	99	6.909	6.909	(0.953)	336976	25.0000	25.82
	3 Phenol	94	6.931	6.931	(0.956)	385667	25.0000	26.61
$	5 2-Chlorophenol-d4	132	6.957	6.957	(0.959)	270792	25.0000	24.56
	4 Bis(2-Chloroethyl)ether	93	6.947	6.947	(0.958)	277750	25.0000	25.00
	6 2-Chlorophenol	128	6.984	6.984	(0.963)	313315	25.0000	25.00
	7 1,3-Dichlorobenzene	146	7.182	7.182	(0.990)	362702	25.0000	24.84
*	8 1,4-Dichlorobenzene-d4	152	7.251	7.251	(1.000)	170078	20.0000	
	9 1,4-Dichlorobenzene	146	7.273	7.273	(1.003)	359080	25.0000	25.11
$	10 1,2-Dichlorobenzene-d4	152	7.550	7.550	(1.041)	196384	25.0000	25.68
	12 1,2-Dichlorobenzene	146	7.572	7.572	(1.044)	337799	25.0000	25.40
	11 Benzyl alcohol	108	7.582	7.582	(1.046)	179170	25.0000	26.11
	14 2,2'-oxybis(1-Chloropropane)	45	7.839	7.839	(1.081)	326543	25.0000	27.56
	13 2-Methylphenol	108	7.865	7.865	(1.085)	281538	25.0000	26.05
	17 Hexachloroethane	117	8.063	8.063	(1.112)	130111	25.0000	25.18
	16 N-Nitroso-di-n-propylamine	70	8.068	8.068	(1.113)	194560	25.0000	25.89
	15 4-Methylphenol	108	8.111	8.111	(1.119)	291838	25.0000	27.35
$	18 Nitrobenzene-d5	82	8.213	8.213	(0.880)	266653	25.0000	24.35
	19 Nitrobenzene	77	8.239	8.239	(0.883)	302365	25.0000	24.91
	20 Isophorone	82	8.635	8.635	(0.926)	493517	25.0000	25.53
	21 2-Nitrophenol	139	8.768	8.768	(0.940)	186604	25.0000	26.20
	22 2,4-Dimethylphenol	107	8.939	8.939	(0.958)	295448	25.0000	25.21
	23 Bis(2-Chloroethoxy)methane	93	9.062	9.062	(0.971)	343617	25.0000	25.65
	24 Benzoic acid	105	9.238	9.238	(0.990)	386285	50.0000	44.59
	25 2,4-Dichlorophenol	162	9.174	9.174	(0.983)	273793	25.0000	26.68
	26 1,2,4-Trichlorobenzene	180	9.275	9.275	(0.994)	280935	25.0000	25.06
*	27 Naphthalene-d8	136	9.329	9.329	(1.000)	563656	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.356	9.356	(1.003)	805910	25.0000	25.30
	29 4-Chloroaniline	127	9.537	9.537	(1.022)	325441	25.0000	25.50
	30 Hexachlorobutadiene	225	9.692	9.692	(1.039)	167381	25.0000	25.60
	31 4-Chloro-3-methylphenol	107	10.408	10.408	(1.116)	261628	25.0000	26.44
	32 2-Methylnaphthalene	141	10.493	10.493	(1.125)	449751	25.0000	25.72
	33 Hexachlorocyclopentadiene	237	10.878	10.878	(0.892)	150443	25.0000	21.80
	34 2,4,6-Trichlorophenol	196	11.038	11.038	(0.905)	198707	25.0000	26.15
	35 2,4,5-Trichlorophenol	196	11.102	11.102	(0.910)	202503	25.0000	25.83
$	36 2-Fluorobiphenyl	172	11.156	11.156	(0.915)	557717	25.0000	24.01
	37 2-Chloronaphthalene	162	11.268	11.268	(0.924)	546119	25.0000	24.76
	38 2-Nitroaniline	65	11.529	11.529	(0.945)	134038	25.0000	24.41
	39 Dimethylphthalate	163	11.925	11.925	(0.978)	613266	25.0000	24.62
	40 Acenaphthylene	152	11.941	11.941	(0.979)	858150	25.0000	25.12
	41 2,6-Dinitrotoluene	165	12.010	12.010	(0.985)	153371	25.0000	25.91
*	42 Acenaphthene-d10	164	12.197	12.197	(1.000)	331873	20.0000	
	43 3-Nitroaniline	138	12.218	12.218	(1.002)	129792	25.0000	25.06
	44 Acenaphthene	153	12.250	12.250	(1.004)	525064	25.0000	24.62
	45 2,4-Dinitrophenol	184	12.389	12.389	(1.016)	198780	50.0000	40.87
	46 Dibenzofuran	168	12.512	12.512	(1.026)	710299	25.0000	25.07
	47 4-Nitrophenol	109	12.598	12.598	(1.033)	60535	25.0000	19.66
	48 2,4-Dinitrotoluene	165	12.635	12.635	(1.036)	196868	25.0000	25.82
	50 Diethylphthalate	149	13.089	13.089	(1.073)	532965	25.0000	23.02
	49 Fluorene	166	13.068	13.068	(1.071)	625401	25.0000	25.91
	51 4-Chlorophenyl-phenylether	204	13.116	13.116	(1.075)	300912	25.0000	25.21
	52 4-Nitroaniline	138	13.217	13.217	(1.084)	118224	25.0000	20.51
	53 4,6-Dinitro-2-methylphenol	198	13.292	13.292	(0.912)	262071	50.0000	50.31
	54 N-Nitrosodiphenylamine	169	13.335	13.335	(0.915)	456960	25.0000	25.37
$	55 2,4,6-Tribromophenol	330	13.500	13.500	(1.107)	86178	25.0000	28.50
	56 4-Bromophenyl-phenylether	248	13.896	13.896	(0.954)	206533	25.0000	26.77
	57 Hexachlorobenzene	284	14.093	14.093	(0.967)	225016	25.0000	27.69
	58 Pentachlorophenol	266	14.414	14.414	(0.989)	107953	25.0000	22.48
*	59 Phenanthrene-d10	188	14.568	14.568	(1.000)	526027	20.0000	
	60 Phenanthrene	178	14.606	14.606	(1.003)	838279	25.0000	25.66
	61 Anthracene	178	14.681	14.681	(1.008)	868458	25.0000	25.73
	62 Carbazole	167	14.990	14.990	(1.029)	716561	25.0000	22.87
	63 Di-n-butylphthalate	149	15.749	15.749	(1.081)	983058	25.0000	25.60
	64 Fluoranthene	202	16.539	16.539	(1.135)	961581	25.0000	27.16
	65 Pyrene	202	16.892	16.892	(0.894)	928768	25.0000	25.82
$	66 Terphenyl-d14	244	17.244	17.244	(0.913)	571237	25.0000	27.00
	67 Butylbenzylphthalate	149	18.158	18.158	(0.961)	451096	25.0000	25.94
	68 Benzo(a)anthracene	228	18.863	18.863	(0.999)	928236	25.0000	26.89
*	69 Chrysene-d12	240	18.889	18.889	(1.000)	597231	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.905	18.905	(1.001)	292136	25.0000	26.08
	71 Chrysene	228	18.927	18.927	(1.002)	825673	25.0000	25.55
	72 bis(2-Ethylhexyl)phthalate	149	19.188	19.188	(0.953)	609906	25.0000	26.43
*	134 Di-n-octylphthalate-d4	153	20.129	20.129	(1.000)	727831	20.0000	
	73 Di-n-octylphthalate	149	20.134	20.134	(1.000)	984701	25.0000	24.96

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.518	20.518	(0.975)	950719	25.0000	25.52
75	Benzo(k)fluoranthene	252	20.556	20.556	(0.977)	1011608	25.0000	26.31
187	Total Benzofluoranthenes	252	20.556	20.556	(0.977)	1838859	50.0000	51.31
76	Benzo(a)pyrene	252	20.962	20.962	(0.996)	904861	25.0000	25.78
* 77	Perylene-d12	264	21.042	21.042	(1.000)	556523	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.414	22.414	(1.065)	1134262	25.0000	24.16
79	Dibenzo(a,h)anthracene	278	22.441	22.441	(1.066)	892556	25.0000	24.74
80	Benzo(g,h,i)perylene	276	22.740	22.740	(1.081)	1012573	25.0000	23.91
90	N-Nitrosodimethylamine	74	2.305	2.305	(0.318)	184287	25.0000	25.14
103	Pyridine	79	2.273	2.273	(0.314)	341300	25.0000	26.04
91	Aniline	93	6.808	6.808	(0.939)	416577	25.0000	25.09
105	1-methylnaphthalene	141	10.659	10.659	(1.143)	466413	25.0000	25.83

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08121001.D
Lab Smp Id: CC0812
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-

Calibration Date: 12-AUG-2010
Calibration Time: 11:42
Client Smp ID: CC0812
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	170078	-6.95
27 Naphthalene-d8	584137	292068	1168274	563656	-3.51
42 Acenaphthene-d10	320442	160221	640884	331873	3.57
59 Phenanthrene-d10	503793	251896	1007586	526027	4.41
69 Chrysene-d12	532343	266172	1064686	597231	12.19
134 Di-n-octylphthala	719428	359714	1438856	727831	1.17
77 Perylene-d12	517269	258634	1034538	556523	7.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.25	6.75	7.75	7.25	0.00
27 Naphthalene-d8	9.33	8.83	9.83	9.33	0.00
42 Acenaphthene-d10	12.20	11.70	12.70	12.20	0.00
59 Phenanthrene-d10	14.57	14.07	15.07	14.57	0.00
69 Chrysene-d12	18.89	18.39	19.39	18.89	0.00
134 Di-n-octylphthala	20.13	19.63	20.63	20.13	0.00
77 Perylene-d12	21.04	20.54	21.54	21.04	0.00

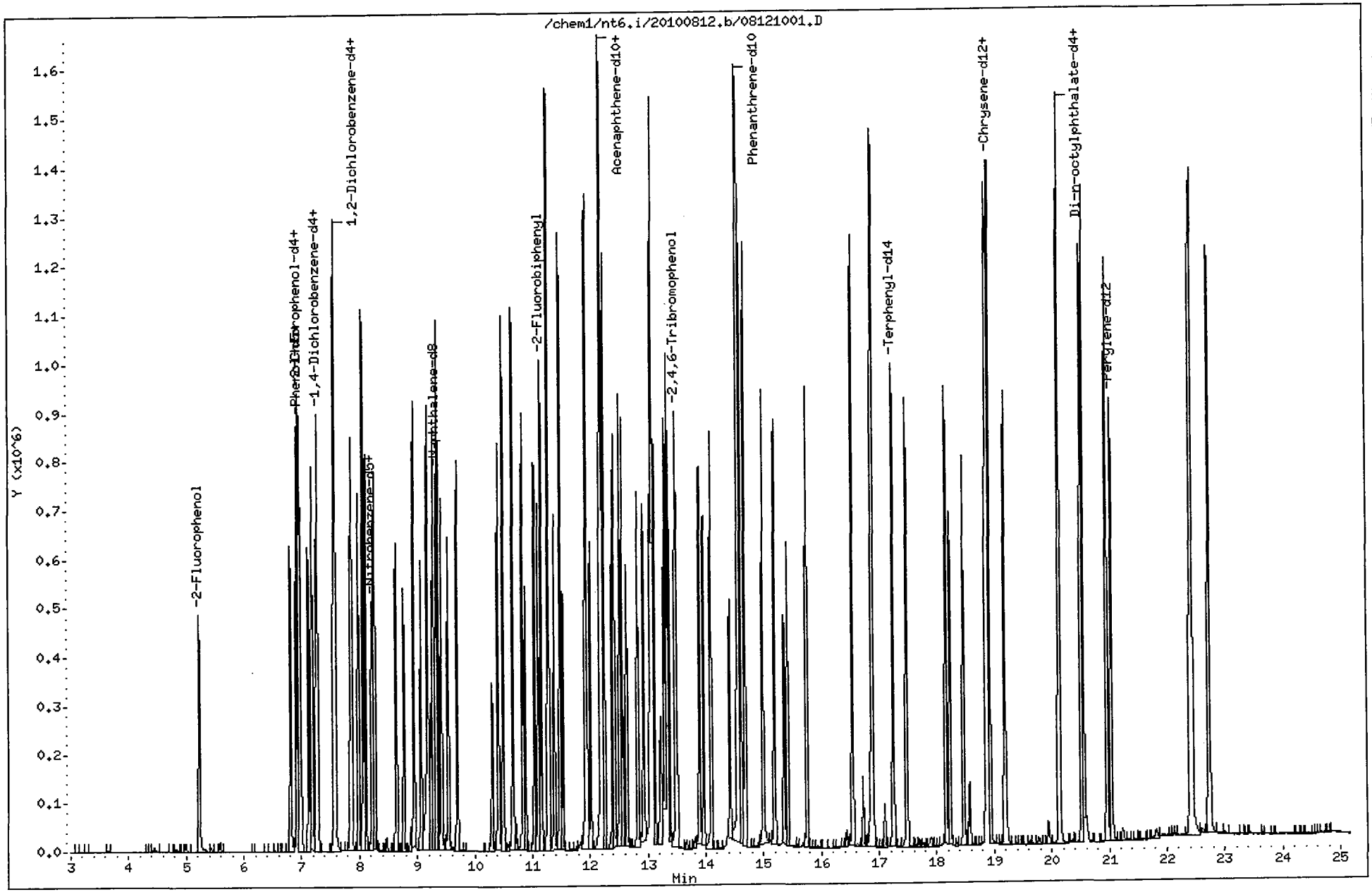
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100812.b/08121001.D
Date : 12-AUG-2010 11:42
Client ID: CC0812
Sample Info: CC0812

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100812.b/tune.b/08121001.D

Date : 12-AUG-2010 11:42

Client ID: DFTPP0812

Instrument: nt6.i

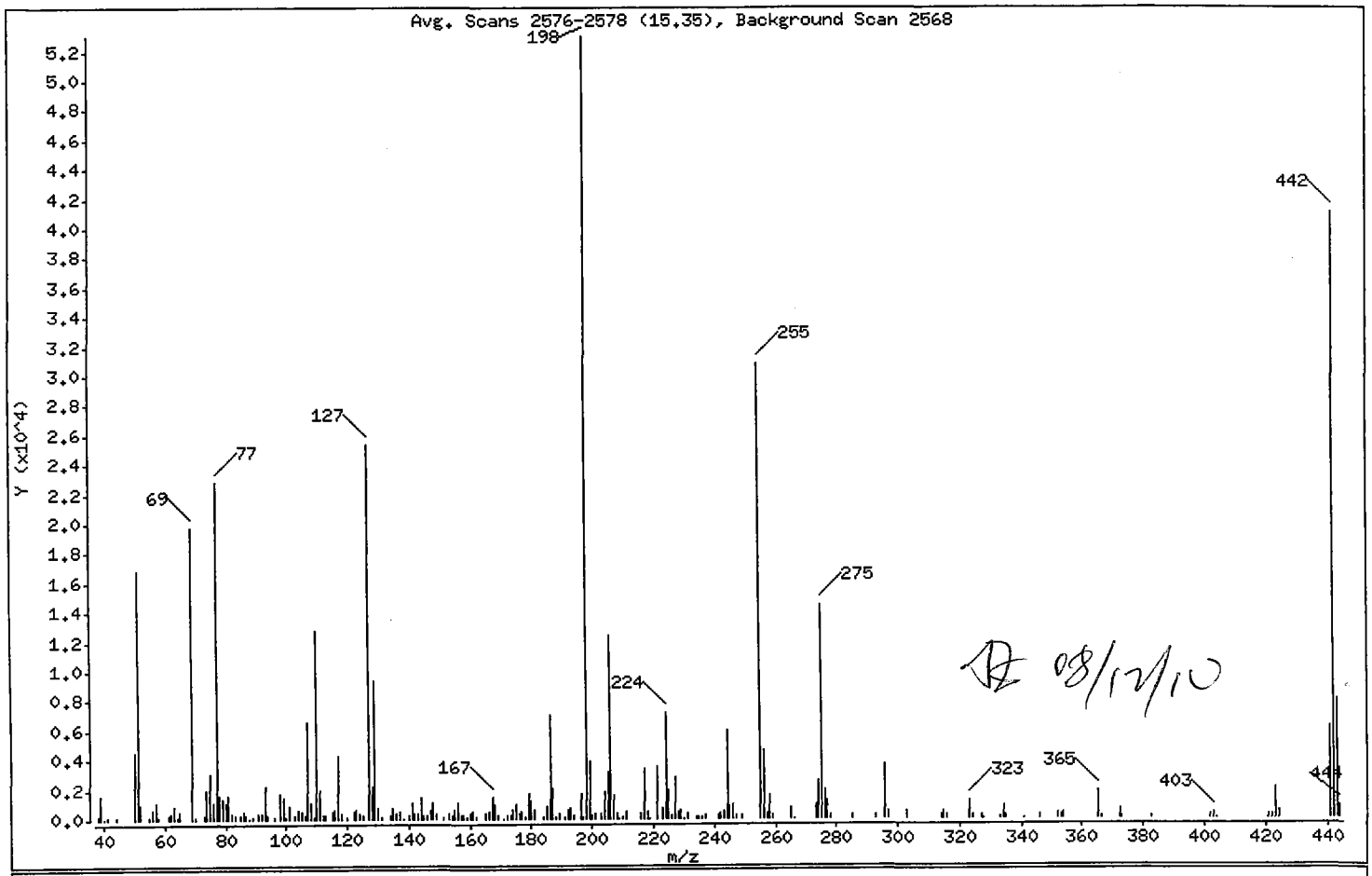
Sample Info: DFTPP0812

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	31.63
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.29
70	Less than 2.00% of mass 69	0.21 (0.57)
127	10.00 - 80.00% of mass 198	47.81
197	Less than 2.00% of mass 198	0.23
199	5.00 - 9.00% of mass 198	7.25
275	10.00 - 60.00% of mass 198	27.39
365	Greater than 1.00% of mass 198	3.34
441	0.01 - 24.00% of mass 442	11.80 (15.21)
442	50.00 - 200.00% of mass 198	77.57
443	15.00 - 24.00% of mass 442	15.28 (19.70)

Data File: /chem1/nt6.i/20100812.b/tune.b/08121001.D

Date : 12-AUG-2010 11:42

Client ID: DFTPP0812 Instrument: nt6.i

Sample Info: DFTPP0812

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08121001.D
Spectrum: Avg. Scans 2576-2578 (15.35), Background Scan 2568
Location of Maximum: 198.00
Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	283	112.00	218	177.00	495	246.00	1015
39.00	1561	113.00	208	178.00	61	247.00	204
40.00	55	115.00	439	179.00	1733	249.00	265
41.00	140	116.00	556	180.00	1261	255.00	30808
44.00	104	117.00	4328	181.00	555	256.00	4663
50.00	4465	118.00	361	184.00	107	257.00	329
51.00	16776	120.00	67	185.00	894	258.00	1572
52.00	946	122.00	527	186.00	7045	259.00	210
55.00	106	123.00	626	187.00	2023	265.00	686
56.00	551	124.00	360	188.00	174	266.00	50
57.00	1095	125.00	293	189.00	375	273.00	979
58.00	168	127.00	25360	191.00	113	274.00	2614
61.00	249	128.00	2137	192.00	598	275.00	14527
62.00	338	129.00	9398	193.00	687	276.00	1963
63.00	846	130.00	755	194.00	184	277.00	1163
64.00	104	131.00	179	196.00	1758	278.00	226
65.00	468	134.00	273	197.00	121	285.00	227
69.00	19776	135.00	675	198.00	53040	293.00	300
70.00	113	136.00	328	199.00	3847	296.00	3655
73.00	220	137.00	480	200.00	279	297.00	529
74.00	1960	138.00	53	201.00	362	303.00	454
75.00	3109	140.00	231	203.00	379	314.00	214
76.00	1105	141.00	1101	204.00	1793	315.00	444
77.00	22784	142.00	381	205.00	3192	316.00	229
78.00	1631	143.00	306	206.00	12390	323.00	1273
79.00	1358	144.00	1405	207.00	1572	324.00	244
80.00	1090	145.00	286	208.00	425	327.00	231
81.00	1574	146.00	246	209.00	50	328.00	60
82.00	416	147.00	619	210.00	150	333.00	123
83.00	304	148.00	1116	211.00	532	334.00	803
85.00	264	149.00	331	216.00	305	335.00	226
86.00	463	151.00	70	217.00	3414	341.00	58
87.00	259	153.00	341	218.00	477	346.00	238
88.00	53	154.00	278	219.00	52	352.00	367
89.00	126	155.00	667	221.00	3491	353.00	210

Data File: /chem1/nt6.i/20100812.b/tune.b/08121001.D

Date : 12-AUG-2010 11:42

Client ID: DFTPP0812 Instrument: nt6.i

Sample Info: DFTPP0812

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08121001.D
Spectrum: Avg. Scans 2576-2578 (15,35), Background Scan 2568
Location of Maximum: 198.00
Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	409	156.00	1121	223.00	695	354.00	342
92.00	371	157.00	225	224.00	7189	365.00	1774
93.00	2179	158.00	210	225.00	1936	366.00	152
94.00	223	159.00	71	226.00	215	372.00	633
96.00	169	160.00	333	227.00	2782	373.00	116
98.00	1736	161.00	450	228.00	454	383.00	130
99.00	1408	162.00	120	229.00	666	402.00	250
100.00	108	165.00	368	230.00	58	403.00	330
101.00	872	166.00	458	231.00	333	404.00	51
103.00	289	167.00	1505	234.00	128	421.00	252
104.00	563	168.00	1012	235.00	138	422.00	190
105.00	542	169.00	207	236.00	161	423.00	2025
106.00	211	171.00	53	237.00	223	424.00	496
107.00	6542	172.00	235	241.00	189	441.00	6258
108.00	1077	173.00	251	242.00	419	442.00	41144
109.00	67	174.00	557	243.00	449	443.00	8106
110.00	12827	175.00	982	244.00	6000	444.00	834
111.00	1932	176.00	324	245.00	861		

Data File: /chem1/nt6.i/20100812.b/tune.b/08121001.D

Date : 12-AUG-2010 11:42

Client ID: DFTPP0812

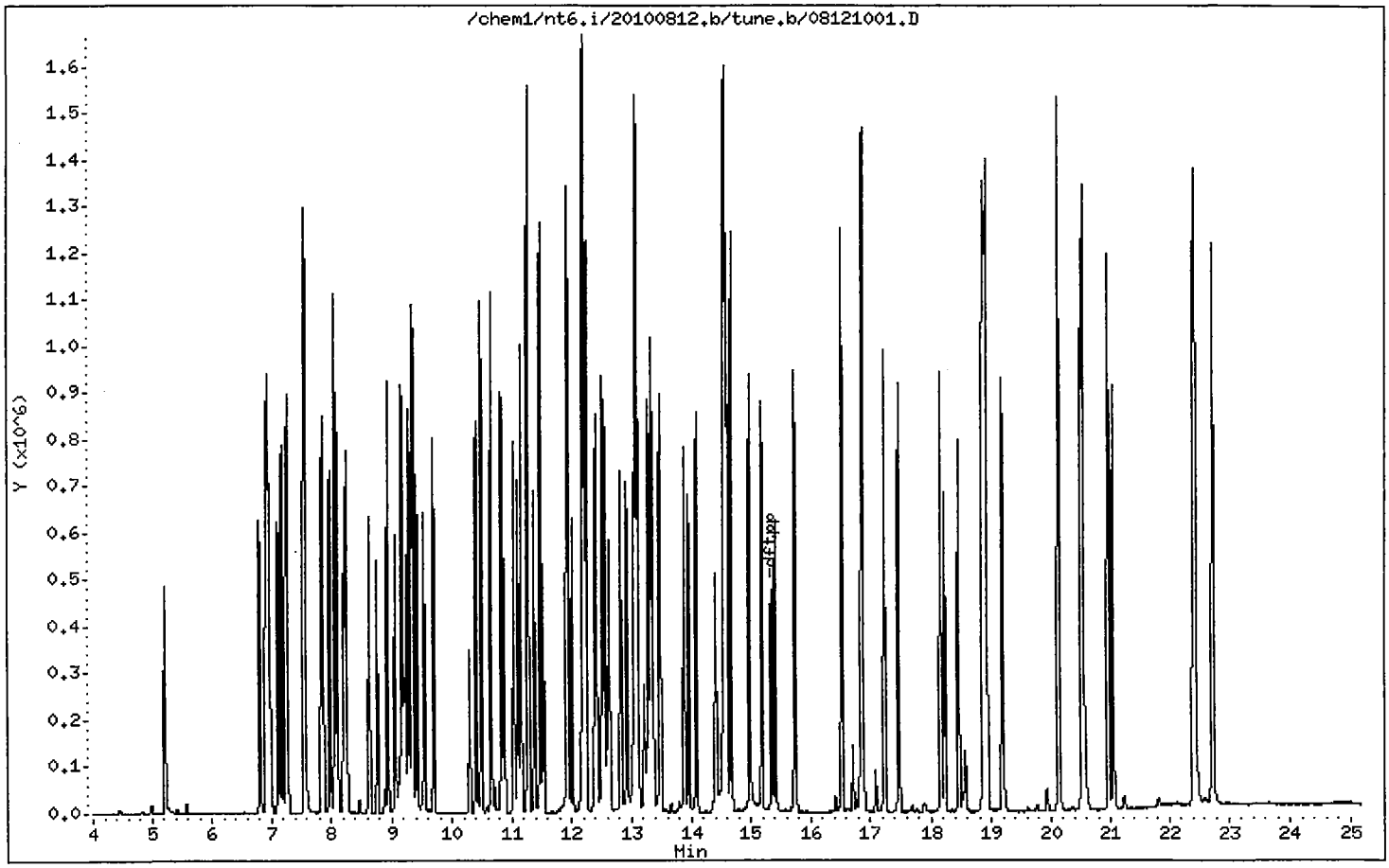
Instrument: nt6.i

Sample Info: DFTPP0812

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20100812.b/ddt.b/08121001.D ARI ID: CC0812
Method: /chem1/nt6.i/20100812.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 12-AUG-2010 11:42 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.414	107953
Benzidine	16.833	62486
4,4'-DDE	----	----
4,4'-DDD	17.762	4422
4,4'-DDT	18.232	263983

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

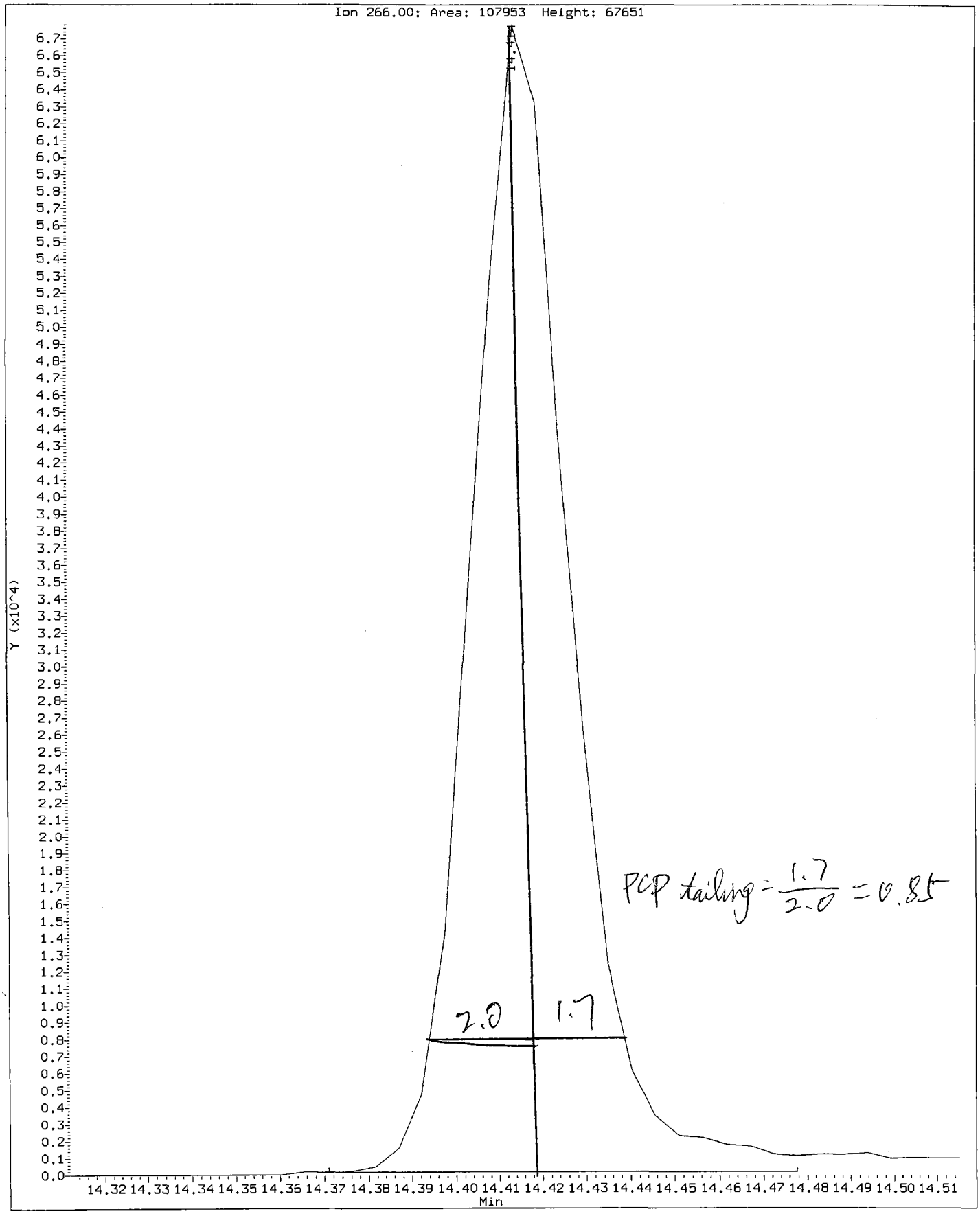
$$\text{DDT Percent Breakdown} = \frac{(0 + 4422) * 100}{(0 + 4422 + 263983)}$$

DDT Percent Breakdown = 1.6 %

08/17/10

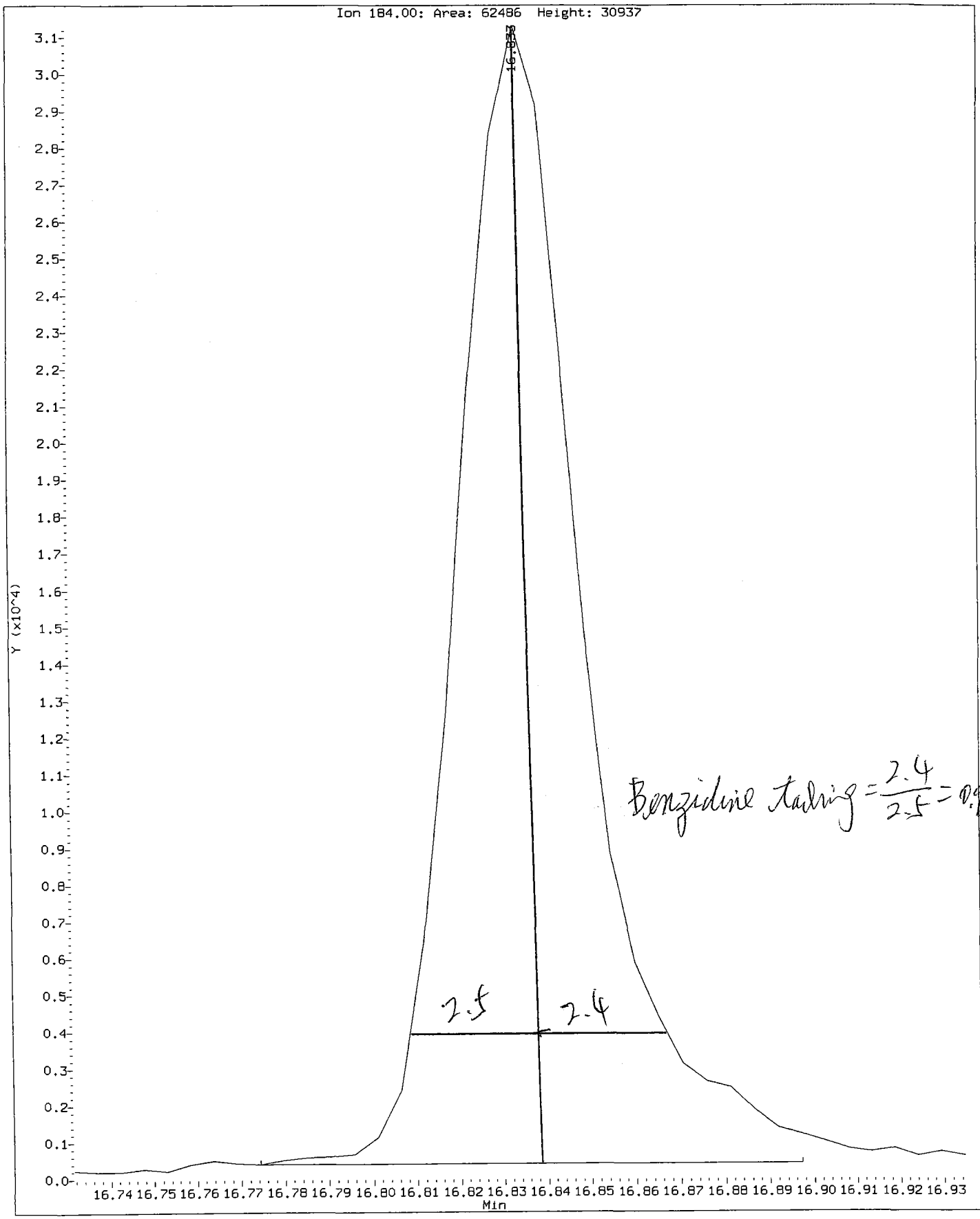
Data File: /chem1/nt6.i/20100812.b/ddt.b/08121001.D
Injection Date: 12-AUG-2010 11:42
Instrument: nt6.i
Client Sample ID: CC0812

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100812.b/ddt.b/08121001.D
Injection Date: 12-AUG-2010 11:42
Instrument: nt6.i
Client Sample ID: CC0812

Compound: Benzidine
CAS Number:



RG60 : 00664

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100812.b/08121002.D
Lab Smp Id: RG51MBS1 RG60M Bz1 Client Smp ID: RG51MBS1
Inj Date : 12-AUG-2010 12:14
Operator : JZ Inst ID: nt6.i
Smp Info : RG51MBS1,
Misc Info : 10-18188 10-18379
Comment : 1ul Injection
Method : /chem1/nt6.i/20100812.b/SW846072310.m
Meth Date : 12-Aug-2010 14:01 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.318	9.329	(1.000)	654011	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.150	11.156	(0.915)	368602	13.6289	272.6
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.191	12.197	(1.000)	386336	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.563	14.568	(1.000)	624497	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 66 Terphenyl-d14	244	17.238	17.244	(0.913)	453484	18.5757	371.5
68 Benzo(a)anthracene	228	Compound Not Detected.					
* 69 Chrysene-d12	240	18.884	18.889	(1.000)	689136	20.0000	
71 Chrysene	228	Compound Not Detected.					
187 Total Benzofluoranthenes	252	Compound Not Detected.					
76 Benzo(a)pyrene	252	Compound Not Detected.					
* 77 Perylene-d12	264	21.036	21.042	(1.000)	618317	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08121002.D
Lab Smp Id: RG51MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18188

Calibration Date: 12-AUG-2010
Calibration Time: 11:42
Client Smp ID: RG51MBS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	654011	11.96
42 Acenaphthene-d10	320442	160221	640884	386336	20.56
59 Phenanthrene-d10	503793	251896	1007586	624497	23.96
69 Chrysene-d12	532343	266172	1064686	689136	29.45
77 Perylene-d12	517269	258634	1034538	618317	19.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.33	8.83	9.83	9.32	-0.12
42 Acenaphthene-d10	12.20	11.70	12.70	12.19	-0.05
59 Phenanthrene-d10	14.57	14.07	15.07	14.56	-0.04
69 Chrysene-d12	18.89	18.39	19.39	18.88	-0.03
77 Perylene-d12	21.04	20.54	21.54	21.04	-0.03

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

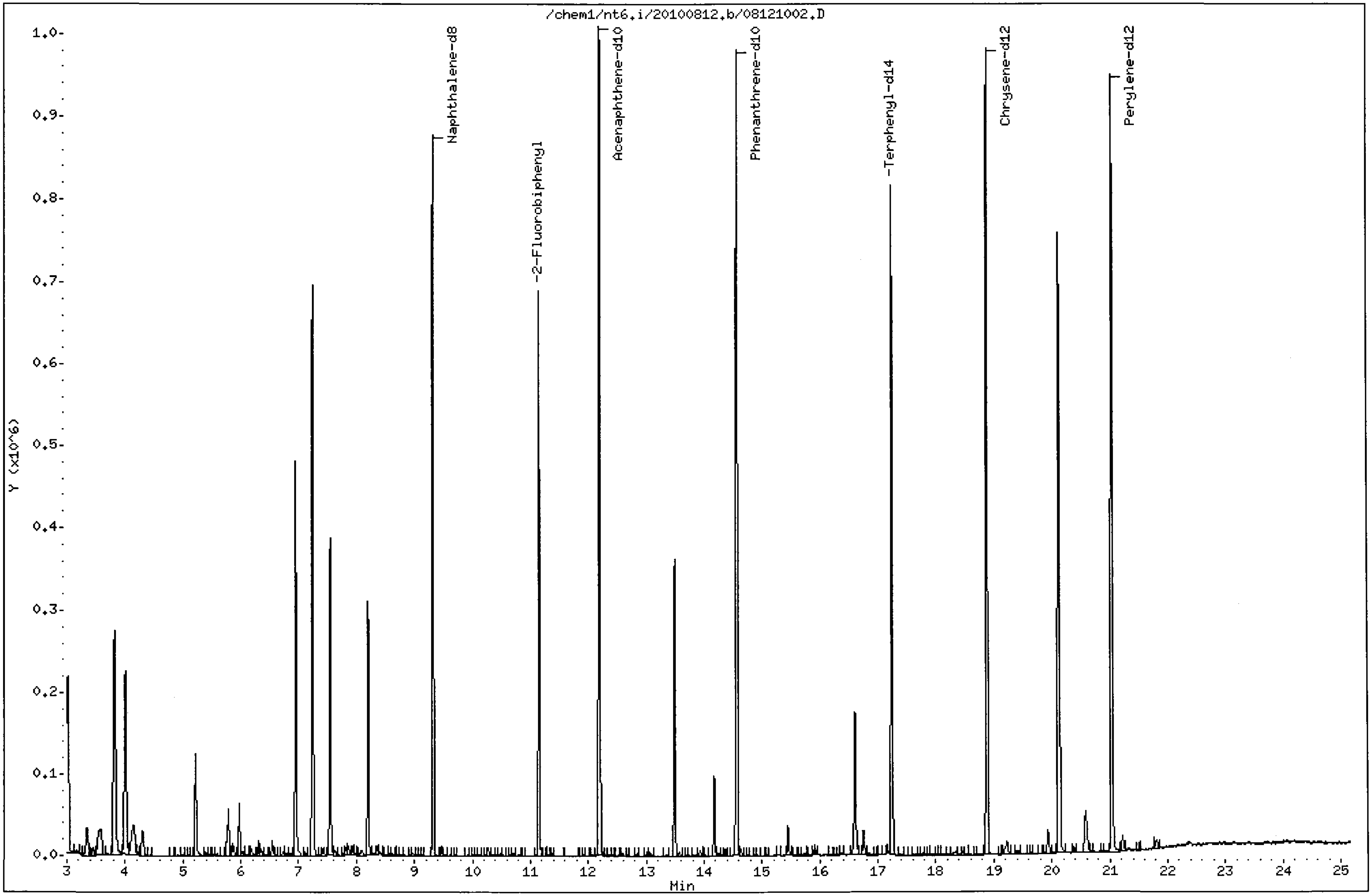
Client Name: Floyd/Snider
Client SDG: RG51
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG51MBS1
Client Smp ID: RG51MBS1
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: BLANK
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18188

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	500.0	272.6	54.52	34-100
$ 66 Terphenyl-d14	500.0	371.5	74.30	35-112

Data File: /chem1/nt6.i/20100812.b/08121002.D
Date : 12-AUG-2010 12:14
Client ID: RG51MBS1
Sample Info: RG51MBS1,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100812.b/08121003.D
Lab Smp Id: RG51LCSS1 RG60/LCSS1 Client Smp ID: RG51LCSS1
Inj Date : 12-AUG-2010 12:47
Operator : JZ Inst ID: nt6.i
Smp Info : RG51LCSS1,
Misc Info : 10-18188 10-18379
Comment : 1ul Injection
Method : /chem1/nt6.i/20100812.b/SW846072310.m
Meth Date : 12-Aug-2010 14:01 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

D 08/12/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.325	9.329	(1.000)	659808	20.0000	
28 Naphthalene	128	9.351	9.356	(1.003)	493262	13.2271	264.5
32 2-Methylnaphthalene	141	10.489	10.493	(1.125)	297211	14.5223	290.4
105 1-methylnaphthalene	141	10.655	10.659	(1.143)	297531	14.0745	281.5
$ 36 2-Fluorobiphenyl	172	11.151	11.156	(0.915)	426471	16.2000	324.0
40 Acenaphthylene	152	11.937	11.941	(0.979)	571973	14.7791	295.6
* 42 Acenaphthene-d10	164	12.193	12.197	(1.000)	376047	20.0000	
44 Acenaphthene	153	12.246	12.250	(1.004)	335803	13.8941	277.9
46 Dibenzofuran	168	12.508	12.512	(1.026)	514846	16.0374	320.7
49 Fluorene	166	13.064	13.068	(1.071)	435451	15.9207	318.4
* 59 Phenanthrene-d10	188	14.564	14.568	(1.000)	616996	20.0000	
60 Phenanthrene	178	14.602	14.606	(1.003)	625038	16.3088	326.2
61 Anthracene	178	14.677	14.681	(1.008)	634723	16.0319	320.6
64 Fluoranthene	202	16.541	16.539	(1.136)	775211	18.6674	373.3
65 Pyrene	202	16.888	16.892	(0.894)	759122	19.0722	381.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$ 66 Terphenyl-d14	244	17.246	17.244	(0.913)	544259	23.2473	464.9
68 Benzo(a)anthracene	228	18.864	18.863	(0.999)	745858	19.5231	390.5
* 69 Chrysene-d12	240	18.885	18.889	(1.000)	660878	20.0000	
71 Chrysene	228	18.923	18.927	(1.002)	685246	19.1622	383.2
187 Total Benzofluoranthenes	252	20.552	20.556	(0.977)	1512520	37.6229	752.5
76 Benzo(a)pyrene	252	20.963	20.962	(0.996)	662784	16.8344	336.7
* 77 Perylene-d12	264	21.043	21.042	(1.000)	624348	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.416	22.414	(1.065)	925807	17.5777	351.6
79 Dibenzo(a,h)anthracene	278	22.442	22.441	(1.066)	719851	17.7857	355.7
80 Benzo(g,h,i)perylene	276	22.742	22.740	(1.081)	808181	17.0103	340.2

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08121003.D
Lab Smp Id: RG51LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18188

Calibration Date: 12-AUG-2010
Calibration Time: 11:42
Client Smp ID: RG51LCSS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	659808	12.95
42 Acenaphthene-d10	320442	160221	640884	376047	17.35
59 Phenanthrene-d10	503793	251896	1007586	616996	22.47
69 Chrysene-d12	532343	266172	1064686	660878	24.15
77 Perylene-d12	517269	258634	1034538	624348	20.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.33	8.83	9.83	9.32	-0.04
42 Acenaphthene-d10	12.20	11.70	12.70	12.19	-0.03
59 Phenanthrene-d10	14.57	14.07	15.07	14.56	-0.03
69 Chrysene-d12	18.89	18.39	19.39	18.89	-0.02
77 Perylene-d12	21.04	20.54	21.54	21.04	0.01

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG51LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18188

Client SDG: RG51
Fraction: SV
Client Smp ID: RG51LCSS1
Operator: JZ
SampleType: LCS
Quant Type: ISTD

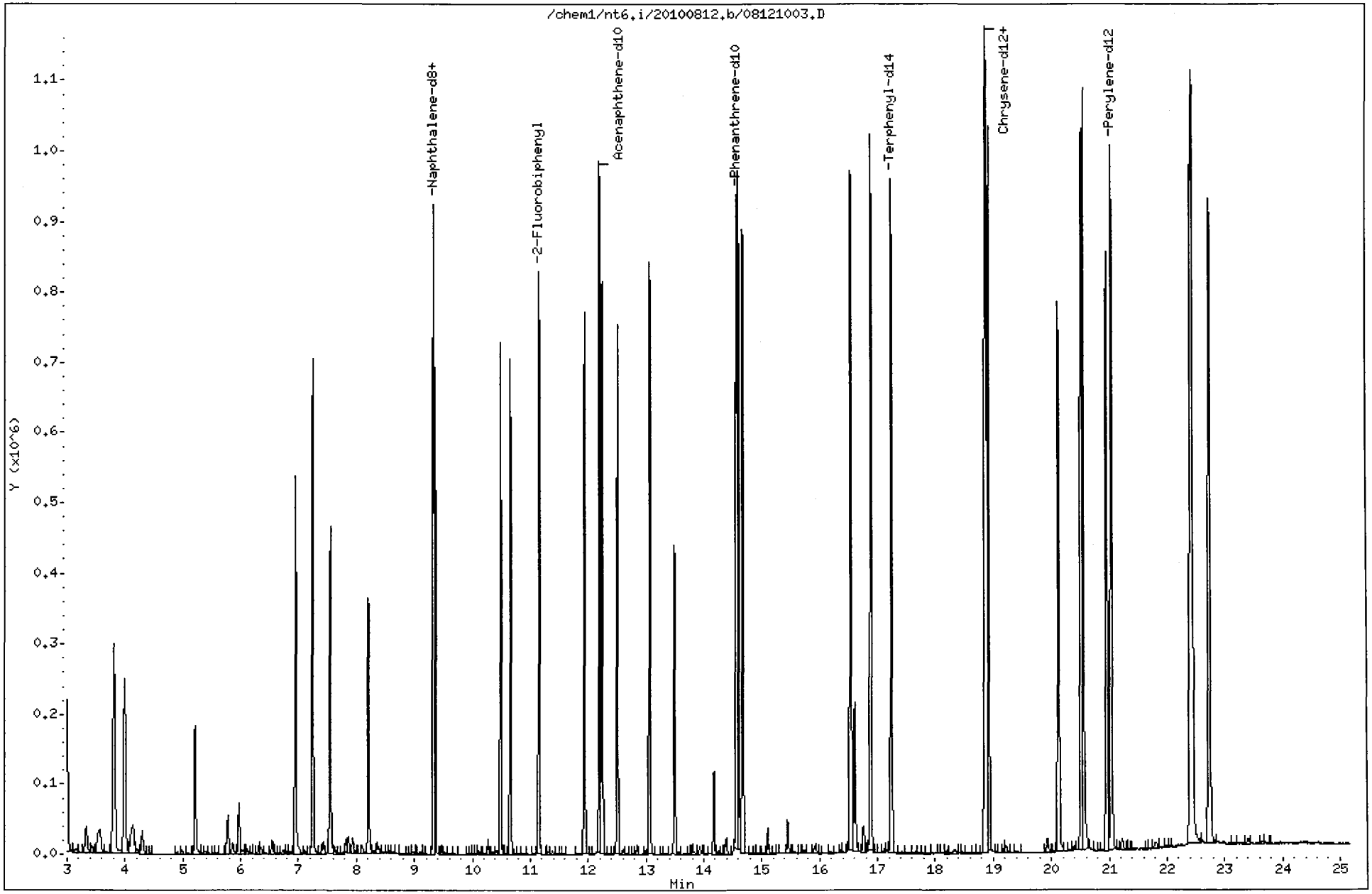
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
28 Naphthalene	500.0	264.5	52.91	37-100
32 2-Methylnaphthalen	500.0	290.4	58.09	43-101
105 1-methylnaphthalen	500.0	281.5	56.30	39-100
40 Acenaphthylene	500.0	295.6	59.12	44-100
44 Acenaphthene	500.0	277.9	55.58	41-100
46 Dibenzofuran	500.0	320.7	64.15	44-100
49 Fluorene	500.0	318.4	63.68	49-100
60 Phenanthrene	500.0	326.2	65.24	48-100
61 Anthracene	500.0	320.6	64.13	50-100
64 Fluoranthene	500.0	373.3	74.67	54-100
65 Pyrene	500.0	381.4	76.29	41-105
68 Benzo(a)anthracene	500.0	390.5	78.09	49-100
71 Chrysene	500.0	383.2	76.65	50-100
187 Total Benzofluoran	1000	752.5	75.25	30-160
76 Benzo(a)pyrene	500.0	336.7	67.34	50-100
78 Indeno(1,2,3-cd)py	500.0	351.6	70.31	33-101
79 Dibenzo(a,h)anthra	500.0	355.7	71.14	37-104
80 Benzo(g,h,i)peryle	500.0	340.2	68.04	33-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	500.0	324.0	64.80	34-100
$ 66 Terphenyl-d14	500.0	464.9	92.99	35-112

Data File: /chem1/nt6.i/20100812.b/08121003.D
Date : 12-AUG-2010 12:47
Client ID: RG51LCSS1
Sample Info: RG51LCSS1,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100812.b/08121021.D
Lab Smp Id: RG60A Client Smp ID: PSB13-0-0.5-072910
Inj Date : 12-AUG-2010 22:33
Operator : JZ Inst ID: nt6.i
Smp Info : RG60A
Misc Info : 10-18279
Comment : 1ul Injection
Method : /chem1/nt6.i/20100812.b/SW846072310.m
Meth Date : 13-Aug-2010 14:20 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	27.30000	Weight of sample extracted (g)
M	6.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.325	9.329	(1.000)	635836	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.151	11.156	(0.914)	281397	10.8495	211.8
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.198	12.197	(1.000)	370489	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.570	14.568	(1.000)	618800	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$ 66 Terphenyl-d14	244	17.245	17.244	(0.913)	31824	1.17610	22.96(R)
68 Benzo(a)anthracene	228	Compound Not Detected.					
* 69 Chrysene-d12	240	18.890	18.889	(1.000)	763836	20.0000	
71 Chrysene	228	Compound Not Detected.					
187 Total Benzofluoranthenes	252	Compound Not Detected.					
76 Benzo(a)pyrene	252	Compound Not Detected.					
* 77 Perylene-d12	264	21.054	21.042	(1.000)	732220	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08121021.D
Lab Smp Id: RG60A
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18279

Calibration Date: 12-AUG-2010
Calibration Time: 11:42
Client Smp ID: PSB13-0-0.5-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	635836	8.85
42 Acenaphthene-d10	320442	160221	640884	370489	15.62
59 Phenanthrene-d10	503793	251896	1007586	618800	22.83
69 Chrysene-d12	532343	266172	1064686	763836	43.49
77 Perylene-d12	517269	258634	1034538	732220	41.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.33	8.83	9.83	9.32	-0.05
42 Acenaphthene-d10	12.20	11.70	12.70	12.20	0.01
59 Phenanthrene-d10	14.57	14.07	15.07	14.57	0.01
69 Chrysene-d12	18.89	18.39	19.39	18.89	0.01
77 Perylene-d12	21.04	20.54	21.54	21.05	0.06

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

Analytical Resources, Inc.

RECOVERY REPORT

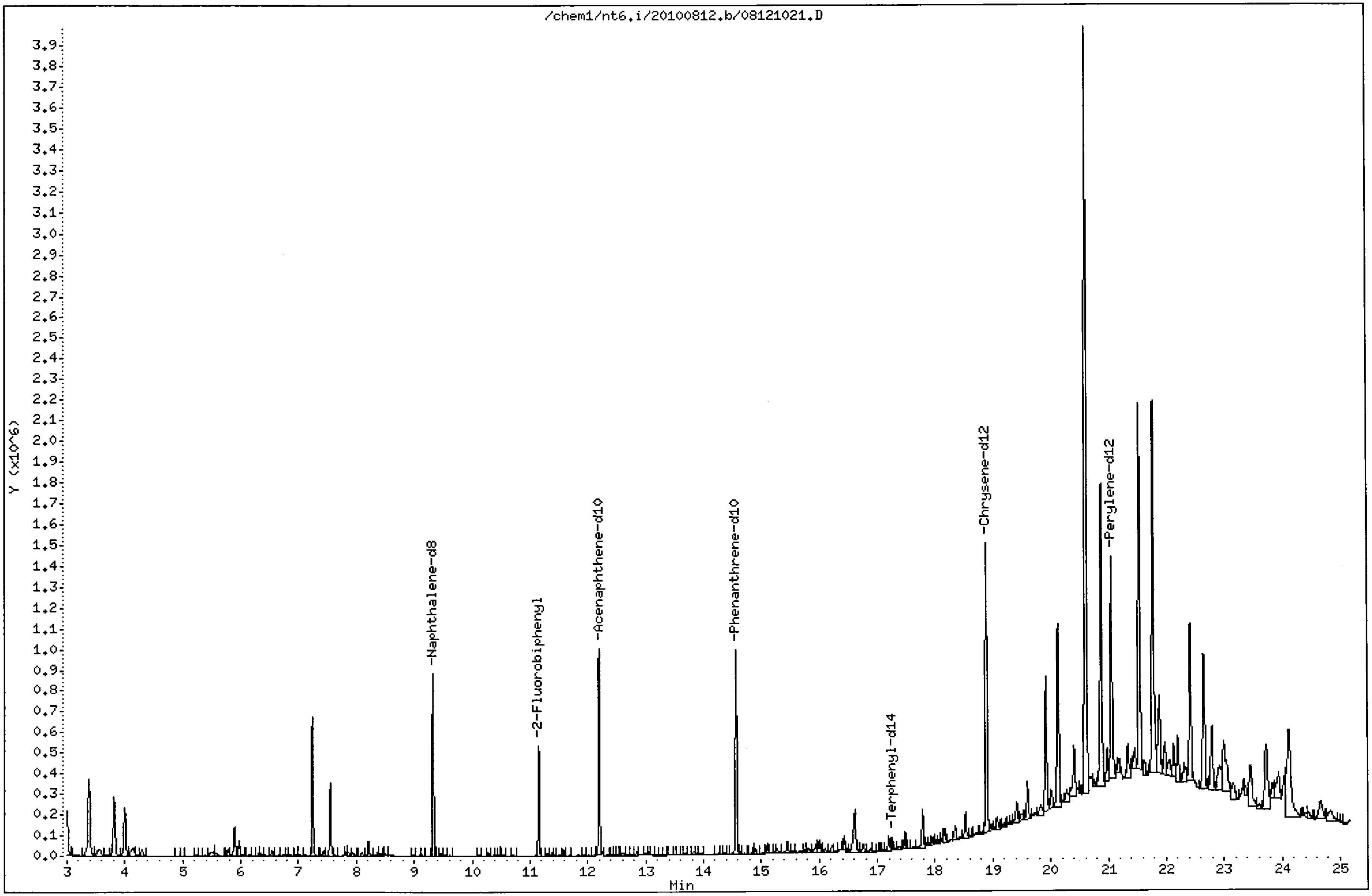
Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60A
Client Smp ID: PSB13-0-0.5-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18279

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	488.1	211.8	43.40	34-100
$ 66 Terphenyl-d14	488.1	22.96	4.70*	35-112

Data File: /chem1/nt6.i/20100812.b/08121021.D
Date : 12-AUG-2010 22:33
Client ID: PSB13-0-0.5-072910
Sample Info: RG60A
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100812.b/08121022.D
Lab Smp Id: RG60B Client Smp ID: PSB13-1.5-2-072910
Inj Date : 12-AUG-2010 23:06
Operator : JZ Inst ID: nt6.i
Smp Info : RG60B
Misc Info : 10-18280
Comment : 1ul Injection
Method : /chem1/nt6.i/20100812.b/SW846072310.m
Meth Date : 13-Aug-2010 14:20 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AB 08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	27.20000	Weight of sample extracted (g)
M	7.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.327	9.329	(1.000)	672506	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.154	11.156	(0.915)	438832	15.8079	313.1
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.195	12.197	(1.000)	396543	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.567	14.568	(1.000)	662430	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.248	17.244	(0.913)	157329	5.32216	105.4(R)
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.893	18.889	(1.000)	834468	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	21.056	21.042	(1.000)	779307	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08121022.D
Lab Smp Id: RG60B
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18280

Calibration Date: 12-AUG-2010
Calibration Time: 11:42
Client Smp ID: PSB13-1.5-2-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	672506	15.13
42 Acenaphthene-d10	320442	160221	640884	396543	23.75
59 Phenanthrene-d10	503793	251896	1007586	662430	31.49
69 Chrysene-d12	532343	266172	1064686	834468	56.75
77 Perylene-d12	517269	258634	1034538	779307	50.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.33	8.83	9.83	9.33	-0.02
42 Acenaphthene-d10	12.20	11.70	12.70	12.20	-0.01
59 Phenanthrene-d10	14.57	14.07	15.07	14.57	-0.01
69 Chrysene-d12	18.89	18.39	19.39	18.89	0.02
77 Perylene-d12	21.04	20.54	21.54	21.06	0.07

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

Analytical Resources, Inc.

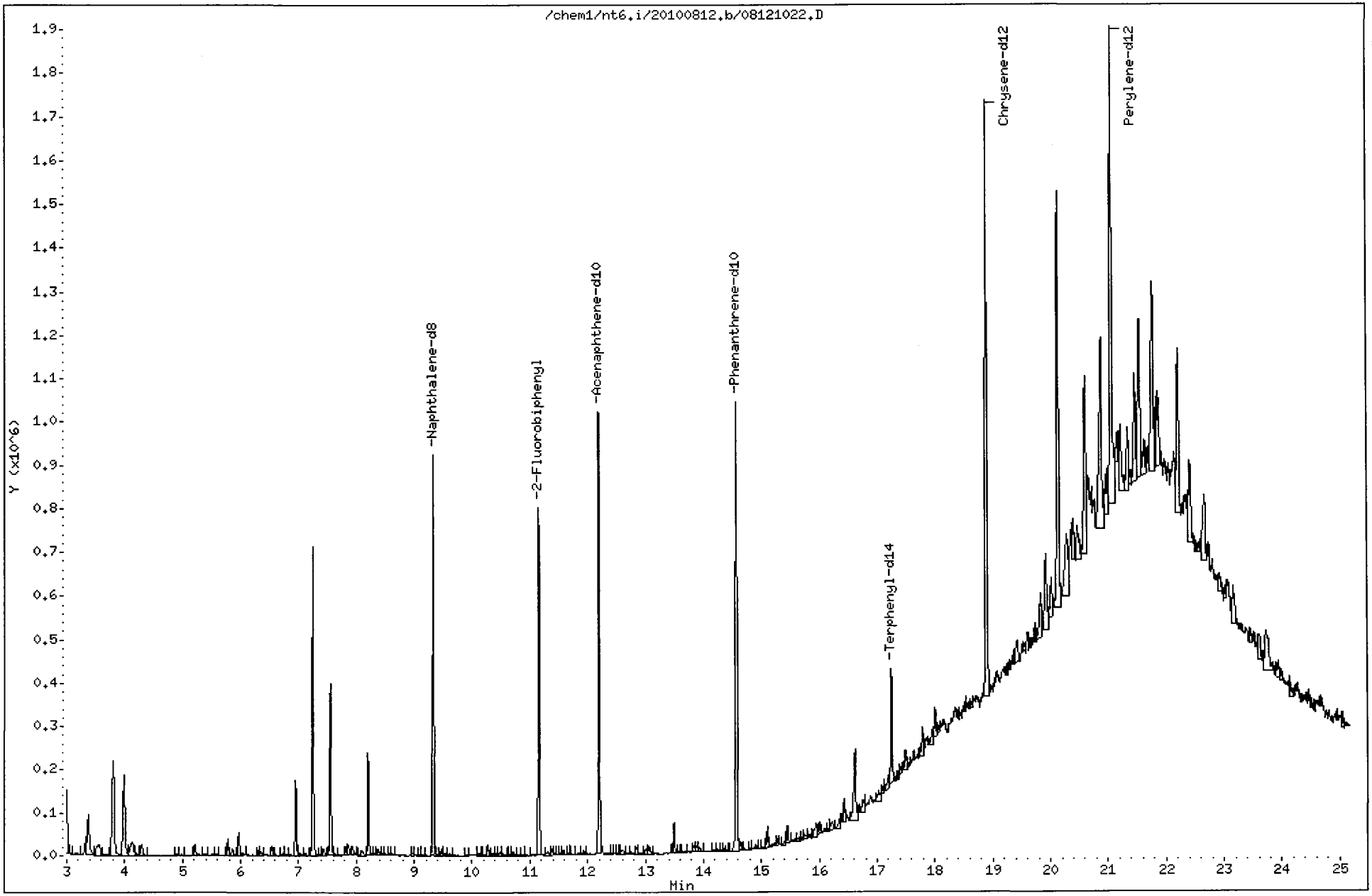
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60B
Client Smp ID: PSB13-1.5-2-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100812.b/SW846072310.m
Misc Info: 10-18280

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	495.2	313.1	63.23	34-100
$ 66 Terphenyl-d14	495.2	105.4	21.29*	35-112

Data File: /chem1/nt6.i/20100812.b/08121022.D
Date : 12-AUG-2010 23:06
Client ID: PSB13-1.5-2-072910
Sample Info: RG60B
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i
Operator: JZ
Column diameter: 0.32



RG60B 08121022

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/13/10 Analysis: 8270 Analyst: DB

GC Program: RG60.M Column No: 172127 Column Type: ZB-5MSi

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1629

Calibration File: 08131001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	
	1735-1, 1736-1	
	15019 1753-5	
	1754-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

	Time	Filename	LabID	ClientId	DF										
1	1124	08131001.D	CC0813	CC0813	1	7.19	166565	9.25	550174	12.09	321882	14.44	505369	18.72	591540	20.85	590209	19.94	731396
2	1157	08131002.D	RG60D	PSB13-4-6-07	1	9.24	646607	12.09	380788	14.44	616103	18.71	683741	20.85	676003				
3	1230	08131003.D	RG60E	PSB13-11-13-	1	9.24	655374	12.08	389020	14.43	630919	18.71	730490	20.85	755660				
4	1303	08131004.D	RG60F	PSB13-14.5-1	1	9.24	657063	12.09	382063	14.43	634253	18.71	767749	20.86	788938				
5	1336	08131005.D	RG58MBS1	RG58MBS1	1	9.24	643814	12.09	381227	14.43	617258	18.71	707196	20.85	696194				
6	1409	08131006.D	RG54H	PSB17-0-0.5-	1	9.24	626035	12.09	374024	14.44	619985	18.73	848355	20.89	705991				
7	1442	08131007.D	RG60C	PSB13-2-4-07	1	9.25	667186	12.09	410669	14.44	703145	18.76	724927	20.94	307927				
8	1515	08131008.D	RG54A 3X	PSB14-0-.5-0	3	9.25	634205	12.09	383288	14.44	653216	18.73	751746	20.87	415422				
9	1548	08131009.D	RG54E 3X	PSB14-7-9-07	3	9.25	618067	12.09	371040	14.44	617674	18.73	707331	20.86	404040				
10	1621	08131010.D	RG60A 3X	PSB13-0-0.5-	3	9.25	612885	12.09	372945	14.44	640690	18.72	722156	20.86	422464				
11	1654	08131011.D	RG60B 3X	PSB13-1.5-2-	3	9.25	619334	12.09	378009	14.44	661220	18.72	750762	20.86	423011				
12	1727	08131012.D	RG60C 3X	PSB13-2-4-07	3	9.25	625132	12.09	383283	14.44	658106	18.74	754752	20.90	343400				
13	1800	08131013.D	RG54A 10X	PSB14-0-.5-0	10	9.25	576090	12.09	346489	14.44	610403	18.73	719037	20.86	429847				
14	1832	08131014.D	RG60A 10X	PSB13-0-0.5-	10	9.25	603510	12.09	368541	14.44	648774	18.73	759155	20.86	432318				
15	1905	08131015.D	RG60B 10X	PSB13-1.5-2-	10	9.25	596271	12.09	356001	14.44	632152	18.72	746182	20.86	406950				
16	1938	08131016.D	RG58LCSS1	RG58LCSS1	1	9.25	644270	12.09	383454	14.44	683157	18.73	756612	20.86	350289				
17	2011	08131017.D	RG58A	PSB22-0-0.5-	1	9.25	638478	12.09	383943	14.44	661888	18.72	755662	20.86	342124				
18	2044	08131018.D	RG58B	PSB22-1.5-2-	1	9.25	656447	12.09	398652	14.44	689410	18.72	788440	20.86	345872				
19	2116	08131019.D	RG58C	PSB22-2-4-07	1	9.24	637885	12.09	387188	14.44	668956	18.72	779291	20.86	339241				
20	2149	08131020.D	RG58D	PSB22-4-6-07	1	9.24	597978	12.09	360487	14.44	627772	18.72	730678	20.86	323824				
21	2222	08131021.D	RG58E	PSB22-17-19-	1	9.25	642738	12.09	386938	14.44	671130	18.72	790351	20.86	351433				
22	2255	08131022.D	RG58F	PSB22-19-20-	1	9.25	648070	12.09	387488	14.44	662734	18.72	789619	20.85	391639				

SS out of RC Re-sm.

DB 08/16/10

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

ARI Job No.: CC08 Method: SW846072310.m Instrument: nt6.i Date: 13-AUG-2010

R 08/16/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1124	08131001.D	CC0813	CC0813	1	NO MANUAL INTEGRATION
1157	08131002.D	RG60D	PSB13-4-6-	1	NO MANUAL INTEGRATION
1230	08131003.D	RG60E	PSB13-11-1	1	NO MANUAL INTEGRATION
1303	08131004.D	RG60F	PSB13-14.5	1	NO MANUAL INTEGRATION
1409	08131006.D	RG54H	PSB17-0-0.	1	NO MANUAL INTEGRATION
1442	08131007.D	RG60C	PSB13-2-4-	1	Perylene-d12,

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

Instrument: nt6.i Date: 13-AUG-2010 Method: SW846072310.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

08/13/10

CONTINUING CAL: 13-AUG-2010

Compound	%D
2,4-Dinitrophenol	-26.8
4-Nitrophenol	-26.6

NTC

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08131001.D
Analysis Type:
Lab Sample ID: CC0813
Method: /chem1/nt6.i/20100813.b/SW846072310.m

Injection Date: 13-AUG-2010 11:24
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

AZ 08/13/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.32873	1.34458	1.34458	0.010	1.19310	20.00000	Averaged
$ 2 Phenol-d5	1.53477	1.55860	1.55860	0.010	1.55237	20.00000	Averaged
3 Phenol	1.70453	1.80401	1.80401	0.010	5.83646	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.29631	1.27010	1.27010	0.010	-2.02206	20.00000	Averaged
4 Bis(2-Chloroethyl)ether	1.30667	1.30339	1.30339	0.010	-0.25134	20.00000	Averaged
6 2-Chlorophenol	1.47378	1.48205	1.48205	0.010	0.56126	20.00000	Averaged
7 1,3-Dichlorobenzene	1.71678	1.70853	1.70853	0.010	-0.48080	20.00000	Averaged
9 1,4-Dichlorobenzene	1.68189	1.69904	1.69904	0.010	1.01956	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89939	0.92351	0.92351	0.010	2.68139	20.00000	Averaged
12 1,2-Dichlorobenzene	1.56400	1.59078	1.59078	0.010	1.71236	20.00000	Averaged
11 Benzyl alcohol	0.80695	0.83642	0.83642	0.010	3.65175	20.00000	Averaged
14 2,2'-oxybis(1-Chloropropane	1.39331	1.55113	1.55113	0.010	11.32631	20.00000	Averaged
13 2-Methylphenol	1.27111	1.31008	1.31008	0.010	3.06598	20.00000	Averaged
17 Hexachloroethane	0.60757	0.62309	0.62309	0.010	2.55437	20.00000	Averaged
16 N-Nitroso-di-n-propylamine	0.88368	0.91051	0.91051	0.005	3.03576	20.00000	Averaged
15 4-Methylphenol	1.25486	1.35860	1.35860	0.010	8.26718	20.00000	Averaged
$ 18 Nitrobenzene-d5	0.38855	0.37825	0.37825	0.010	-2.65064	20.00000	Averaged
19 Nitrobenzene	0.43075	0.42662	0.42662	0.010	-0.96081	20.00000	Averaged
20 Isophorone	0.68600	0.69689	0.69689	0.010	1.58749	20.00000	Averaged
21 2-Nitrophenol	0.25274	0.26907	0.26907	0.010	6.46006	20.00000	Averaged
22 2,4-Dimethylphenol	0.41587	0.42090	0.42090	0.010	1.21013	20.00000	Averaged
23 Bis(2-Chloroethoxy)methane	0.47536	0.48384	0.48384	0.010	1.78527	20.00000	Averaged
24 Benzoic acid	0.30742	0.27350	0.27350	0.010	-11.03243	20.00000	Averaged
25 2,4-Dichlorophenol	0.36413	0.38798	0.38798	0.010	6.55104	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.39778	0.40084	0.40084	0.010	0.77091	20.00000	Averaged
28 Naphthalene	1.13038	1.14856	1.14856	0.010	1.60811	20.00000	Averaged
29 4-Chloroaniline	0.45282	0.44052	0.44052	0.010	-2.71708	20.00000	Averaged
30 Hexachlorobutadiene	0.23198	0.23713	0.23713	0.010	2.22215	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.35105	0.36850	0.36850	0.010	4.97178	20.00000	Averaged
32 2-Methylnaphthalene	0.62036	0.63048	0.63048	0.010	1.63209	20.00000	Averaged
33 Hexachlorocyclopentadiene	21.46967	25.00000	0.35710	0.010	-14.12134	20.00000	Linear
34 2,4,6-Trichlorophenol	0.45790	0.49130	0.49130	0.010	7.29499	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47246	0.49247	0.49247	0.010	4.23512	20.00000	Averaged
$ 36 2-Fluorobiphenyl	1.40011	1.35100	1.35100	0.010	-3.50766	20.00000	Averaged
37 2-Chloronaphthalene	1.32938	1.32211	1.32211	0.010	-0.54704	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08131001.D
Analysis Type:
Lab Sample ID: CC0813
Method: /chem1/nt6.i/20100813.b/SW846072310.m

Injection Date: 13-AUG-2010 11:24
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.33095	0.32537	0.32537	0.010	-1.68534	20.00000	Averaged	
39 Dimethylphthalate	1.50119	1.45492	1.45492	0.010	-3.08228	20.00000	Averaged	
40 Acenaphthylene	2.05833	2.07518	2.07518	0.010	0.81838	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.35670	0.36362	0.36362	0.010	1.94193	20.00000	Averaged	
43 3-Nitroaniline	0.31209	0.29059	0.29059	0.010	-6.88889	20.00000	Averaged	
44 Acenaphthene	1.28541	1.26024	1.26024	0.010	-1.95849	20.00000	Averaged	
45 2,4-Dinitrophenol	36.61379	50.00000	0.21464	0.010	-26.77242	20.00000	Linear	<-
46 Dibenzofuran	1.70738	1.72699	1.72699	0.010	1.14812	20.00000	Averaged	
47 4-Nitrophenol	0.18552	0.13619	0.13619	0.010	-26.59188	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.45944	0.47660	0.47660	0.010	3.73407	20.00000	Averaged	
50 Diethylphthalate	1.39533	1.28496	1.28496	0.010	-7.91011	20.00000	Averaged	
49 Fluorene	1.45467	1.47127	1.47127	0.010	1.14142	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.71936	0.72650	0.72650	0.010	0.99224	20.00000	Averaged	
52 4-Nitroaniline	0.34745	0.29874	0.29874	0.010	-14.01948	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.19806	0.19762	0.19762	0.010	-0.22147	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.68493	0.67944	0.67944	0.010	-0.80135	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.18223	0.21148	0.21148	0.010	16.05086	20.00000	Averaged	
56 4-Bromophenyl-phenylether	0.29331	0.32118	0.32118	0.010	9.50451	20.00000	Averaged	
57 Hexachlorobenzene	0.30899	0.34361	0.34361	0.010	11.20643	20.00000	Averaged	
58 Pentachlorophenol	0.18262	0.17340	0.17340	0.010	-5.04645	20.00000	Averaged	
60 Phenanthrene	1.24231	1.26762	1.26762	0.010	2.03743	20.00000	Averaged	
61 Anthracene	1.28336	1.33594	1.33594	0.010	4.09746	20.00000	Averaged	
62 Carbazole	1.19107	1.08535	1.08535	0.010	-8.87587	20.00000	Averaged	
63 Di-n-butylphthalate	1.45976	1.51245	1.51245	0.010	3.60984	20.00000	Averaged	
64 Fluoranthene	1.34612	1.47390	1.47390	0.010	9.49243	20.00000	Averaged	
65 Pyrene	1.20453	1.23158	1.23158	0.010	2.24538	20.00000	Averaged	
$ 66 Terphenyl-d14	0.70850	0.75847	0.75847	0.010	7.05295	20.00000	Averaged	
67 Butylbenzylphthalate	0.58237	0.59950	0.59950	0.010	2.94146	20.00000	Averaged	
68 Benzo(a)anthracene	1.15615	1.24341	1.24341	0.010	7.54732	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37517	0.41254	0.41254	0.010	9.95866	20.00000	Averaged	
71 Chrysene	1.08220	1.13248	1.13248	0.010	4.64623	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.63407	0.66092	0.66092	0.010	4.23573	20.00000	Averaged	
73 Di-n-octylphthalate	1.08410	1.08983	1.08983	0.010	0.52851	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.33887	1.30450	1.30450	0.010	-2.56759	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.38193	1.42502	1.42502	0.010	3.11814	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 13-AUG-2010 11:24
Lab File ID: 08131001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0813 Quant Type: ISTD
Method: /chem1/nt6.i/20100813.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.28781	1.28100	1.28100	0.010	-0.52902	20.00000	Averaged
76 Benzo(a)pyrene	1.26119	1.26373	1.26373	0.010	0.20179	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.68718	1.65940	1.65940	0.010	-1.64688	20.00000	Averaged
79 Dibenzo(a,h)anthracene	1.29650	1.31145	1.31145	0.010	1.15252	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.52194	1.47935	1.47935	0.010	-2.79855	20.00000	Averaged
90 N-Nitrosodimethylamine	0.86213	0.87274	0.87274	0.010	1.23023	20.00000	Averaged
103 Pyridine	1.54116	1.58906	1.58906	0.010	3.10793	20.00000	Averaged
91 Aniline	1.95218	1.92174	1.92174	0.010	-1.55968	20.00000	Averaged
105 1-methylnaphthalene	0.64079	0.65635	0.65635	0.010	2.42851	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131001.D
Lab Smp Id: CC0813 Client Smp ID: CC0813
Inj Date : 13-AUG-2010 11:24
Operator : JZ Inst ID: nt6.i
Smp Info : CC0813
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:21 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

AD 08/13/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.183	5.183	(0.721)	279951	25.0000	25.30
$	2 Phenol-d5	99	6.855	6.855	(0.953)	324510	25.0000	25.39
	3 Phenol	94	6.871	6.871	(0.955)	375607	25.0000	26.46
$	5 2-Chlorophenol-d4	132	6.898	6.898	(0.959)	264442	25.0000	24.49
	4 Bis(2-Chloroethyl)ether	93	6.892	6.892	(0.958)	271374	25.0000	24.94
	6 2-Chlorophenol	128	6.924	6.924	(0.963)	308573	25.0000	25.14
	7 1,3-Dichlorobenzene	146	7.122	7.122	(0.990)	355727	25.0000	24.88
*	8 1,4-Dichlorobenzene-d4	152	7.191	7.191	(1.000)	166565	20.0000	
	9 1,4-Dichlorobenzene	146	7.213	7.213	(1.003)	353751	25.0000	25.25
$	10 1,2-Dichlorobenzene-d4	152	7.490	7.490	(1.042)	192280	25.0000	25.67
	12 1,2-Dichlorobenzene	146	7.507	7.507	(1.044)	331212	25.0000	25.43
	11 Benzyl alcohol	108	7.517	7.517	(1.045)	174147	25.0000	25.91
	14 2,2'-oxybis(1-Chloropropane)	45	7.774	7.774	(1.081)	322955	25.0000	27.83
	13 2-Methylphenol	108	7.800	7.800	(1.085)	272767	25.0000	25.77
	17 Hexachloroethane	117	7.998	7.998	(1.112)	129731	25.0000	25.64
	16 N-Nitroso-di-n-propylamine	70	7.998	7.998	(1.112)	189573	25.0000	25.76
	15 4-Methylphenol	108	8.041	8.041	(1.118)	282870	25.0000	27.07
$	18 Nitrobenzene-d5	82	8.142	8.142	(0.880)	260131	25.0000	24.34
	19 Nitrobenzene	77	8.169	8.169	(0.883)	293391	25.0000	24.76
	20 Isophorone	82	8.559	8.559	(0.925)	479266	25.0000	25.40
	21 2-Nitrophenol	139	8.692	8.692	(0.940)	185042	25.0000	26.62
	22 2,4-Dimethylphenol	107	8.863	8.863	(0.958)	289460	25.0000	25.30
	23 Bis(2-Chloroethoxy)methane	93	8.986	8.986	(0.972)	332746	25.0000	25.45
	24 Benzoic acid	105	9.157	9.157	(0.990)	376181	50.0000	44.48
	25 2,4-Dichlorophenol	162	9.098	9.098	(0.984)	266823	25.0000	26.64
	26 1,2,4-Trichlorobenzene	180	9.200	9.200	(0.995)	275667	25.0000	25.19
*	27 Naphthalene-d8	136	9.248	9.248	(1.000)	550174	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.274	9.274	(1.003)	789884	25.0000	25.40
	29 4-Chloroaniline	127	9.456	9.456	(1.023)	302952	25.0000	24.32
	30 Hexachlorobutadiene	225	9.611	9.611	(1.039)	163081	25.0000	25.56
	31 4-Chloro-3-methylphenol	107	10.316	10.316	(1.115)	253427	25.0000	26.24
	32 2-Methylnaphthalene	141	10.401	10.401	(1.125)	433593	25.0000	25.41
	33 Hexachlorocyclopentadiene	237	10.781	10.781	(0.892)	143681	25.0000	21.47
	34 2,4,6-Trichlorophenol	196	10.935	10.935	(0.905)	197676	25.0000	26.82
	35 2,4,5-Trichlorophenol	196	11.000	11.000	(0.910)	198147	25.0000	26.06
$	36 2-Fluorobiphenyl	172	11.058	11.058	(0.915)	543578	25.0000	24.12
	37 2-Chloronaphthalene	162	11.170	11.170	(0.924)	531952	25.0000	24.86
	38 2-Nitroaniline	65	11.432	11.432	(0.946)	130914	25.0000	24.58
	39 Dimethylphthalate	163	11.817	11.817	(0.977)	585390	25.0000	24.23
	40 Acenaphthylene	152	11.838	11.838	(0.979)	834954	25.0000	25.20
	41 2,6-Dinitrotoluene	165	11.902	11.902	(0.985)	146305	25.0000	25.49
*	42 Acenaphthene-d10	164	12.089	12.089	(1.000)	321882	20.0000	
	43 3-Nitroaniline	138	12.111	12.111	(1.002)	116919	25.0000	23.28
	44 Acenaphthene	153	12.137	12.137	(1.004)	507059	25.0000	24.51
	45 2,4-Dinitrophenol	184	12.281	12.281	(1.016)	172721	50.0000	36.61
	46 Dibenzofuran	168	12.404	12.404	(1.026)	694858	25.0000	25.29
	47 4-Nitrophenol	109	12.484	12.484	(1.033)	54794	25.0000	18.35
	48 2,4-Dinitrotoluene	165	12.522	12.522	(1.036)	191761	25.0000	25.93
	50 Diethylphthalate	149	12.970	12.970	(1.073)	517007	25.0000	23.02
	49 Fluorene	166	12.954	12.954	(1.072)	591971	25.0000	25.29
	51 4-Chlorophenyl-phenylether	204	12.997	12.997	(1.075)	292309	25.0000	25.25
	52 4-Nitroaniline	138	13.099	13.099	(1.083)	120197	25.0000	21.50
	53 4,6-Dinitro-2-methylphenol	198	13.173	13.173	(0.912)	249680	50.0000	49.89
	54 N-Nitrosodiphenylamine	169	13.216	13.216	(0.915)	429208	25.0000	24.80
$	55 2,4,6-Tribromophenol	330	13.382	13.382	(1.107)	85090	25.0000	29.01
	56 4-Bromophenyl-phenylether	248	13.766	13.766	(0.953)	202895	25.0000	27.38
	57 Hexachlorobenzene	284	13.969	13.969	(0.967)	217064	25.0000	27.80
	58 Pentachlorophenol	266	14.284	14.284	(0.989)	109541	25.0000	23.74
*	59 Phenanthrene-d10	188	14.439	14.439	(1.000)	505369	20.0000	
	60 Phenanthrene	178	14.477	14.477	(1.003)	800773	25.0000	25.51
	61 Anthracene	178	14.546	14.546	(1.007)	843930	25.0000	26.02
	62 Carbazole	167	14.856	14.856	(1.029)	685630	25.0000	22.78
	63 Di-n-butylphthalate	149	15.604	15.604	(1.081)	955435	25.0000	25.90
	64 Fluoranthene	202	16.394	16.394	(1.135)	931083	25.0000	27.37
	65 Pyrene	202	16.736	16.736	(0.894)	910663	25.0000	25.56
$	66 Terphenyl-d14	244	17.088	17.088	(0.913)	560835	25.0000	26.76
	67 Butylbenzylphthalate	149	17.996	17.996	(0.961)	443285	25.0000	25.74
	68 Benzo(a)anthracene	228	18.691	18.691	(0.999)	919410	25.0000	26.89
*	69 Chrysene-d12	240	18.717	18.717	(1.000)	591540	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.733	18.733	(1.001)	305040	25.0000	27.49
	71 Chrysene	228	18.755	18.755	(1.002)	837389	25.0000	26.16
	72 bis(2-Ethylhexyl)phthalate	149	19.006	19.006	(0.953)	604246	25.0000	26.06
*	134 Di-n-octylphthalate-d4	153	19.935	19.935	(1.000)	731396	20.0000	
	73 Di-n-octylphthalate	149	19.946	19.946	(1.001)	996375	25.0000	25.13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.336	20.336	(0.975)	962409	25.0000	24.36
75	Benzo(k)fluoranthene	252	20.368	20.368	(0.977)	1051326	25.0000	25.78
187	Total Benzofluoranthenes	252	20.368	20.368	(0.977)	1890144	50.0000	49.74
76	Benzo(a)pyrene	252	20.768	20.768	(0.996)	932332	25.0000	25.05
* 77	Perylene-d12	264	20.849	20.849	(1.000)	590209	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.205	22.205	(1.065)	1224241	25.0000	24.59
79	Dibenzo(a,h)anthracene	278	22.227	22.227	(1.066)	967535	25.0000	25.29
80	Benzo(g,h,i)perylene	276	22.510	22.510	(1.080)	1091410	25.0000	24.30
90	N-Nitrosodimethylamine	74	2.278	2.278	(0.317)	181709	25.0000	25.31
103	Pyridine	79	2.246	2.246	(0.312)	330853	25.0000	25.78
91	Aniline	93	6.753	6.753	(0.939)	400118	25.0000	24.61
105	1-methylnaphthalene	141	10.567	10.567	(1.143)	451381	25.0000	25.61

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131001.D
Lab Smp Id: CC0813
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: CC0813
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	166565	-8.87
27 Naphthalene-d8	584137	292068	1168274	550174	-5.81
42 Acenaphthene-d10	320442	160221	640884	321882	0.45
59 Phenanthrene-d10	503793	251896	1007586	505369	0.31
69 Chrysene-d12	532343	266172	1064686	591540	11.12
134 Di-n-octylphthala	719428	359714	1438856	731396	1.66
77 Perylene-d12	517269	258634	1034538	590209	14.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.19	6.69	7.69	7.19	0.00
27 Naphthalene-d8	9.25	8.75	9.75	9.25	0.00
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.00
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.00
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.00
134 Di-n-octylphthala	19.94	19.44	20.44	19.94	0.00
77 Perylene-d12	20.85	20.35	21.35	20.85	0.00

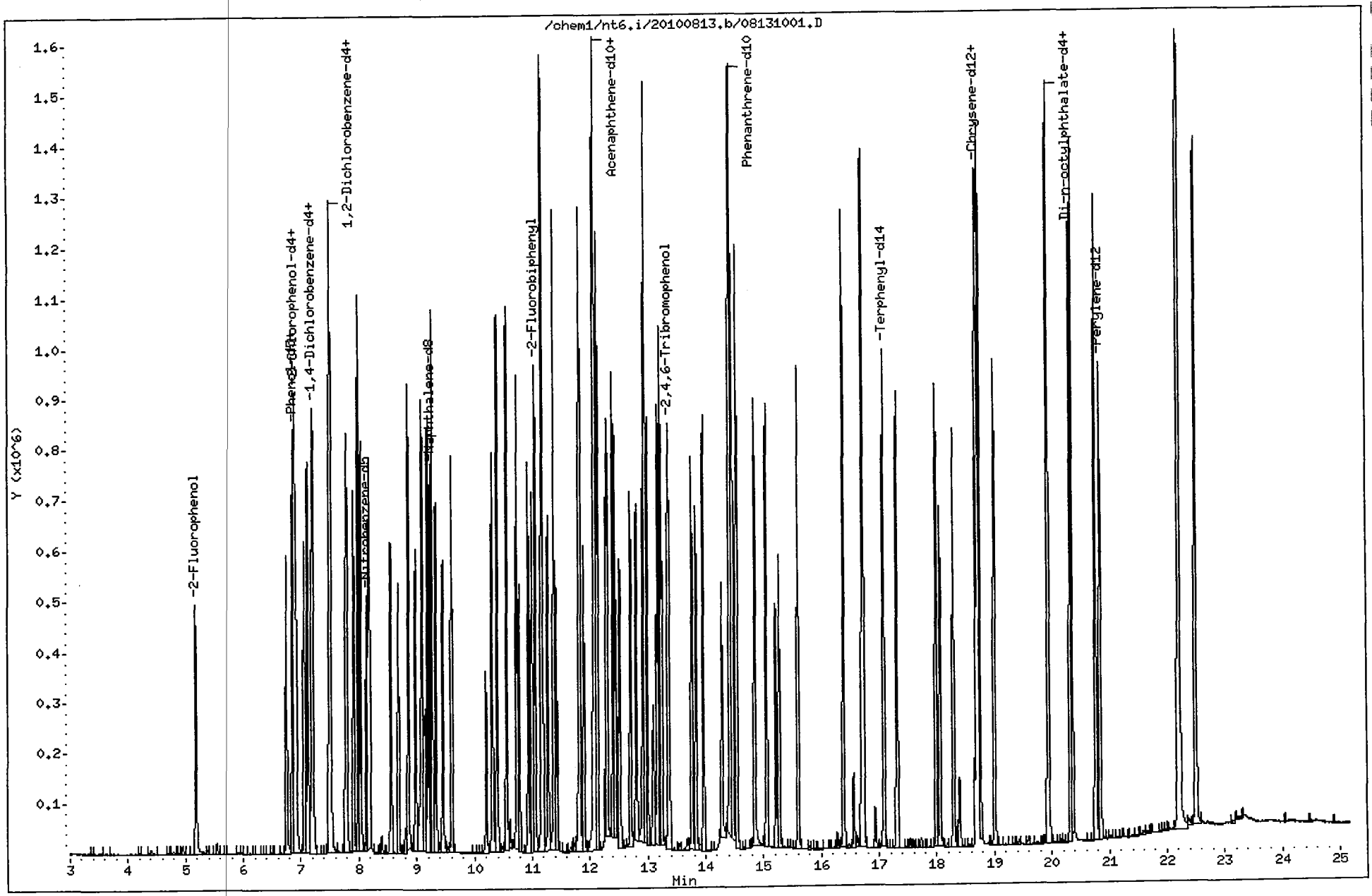
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100813.b/08131001.D
Date : 13-AUG-2010 11:24
Client ID: CC0813
Sample Info: CC0813

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100813.b/tune.b/08131001.D

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813

Instrument: nt6.i

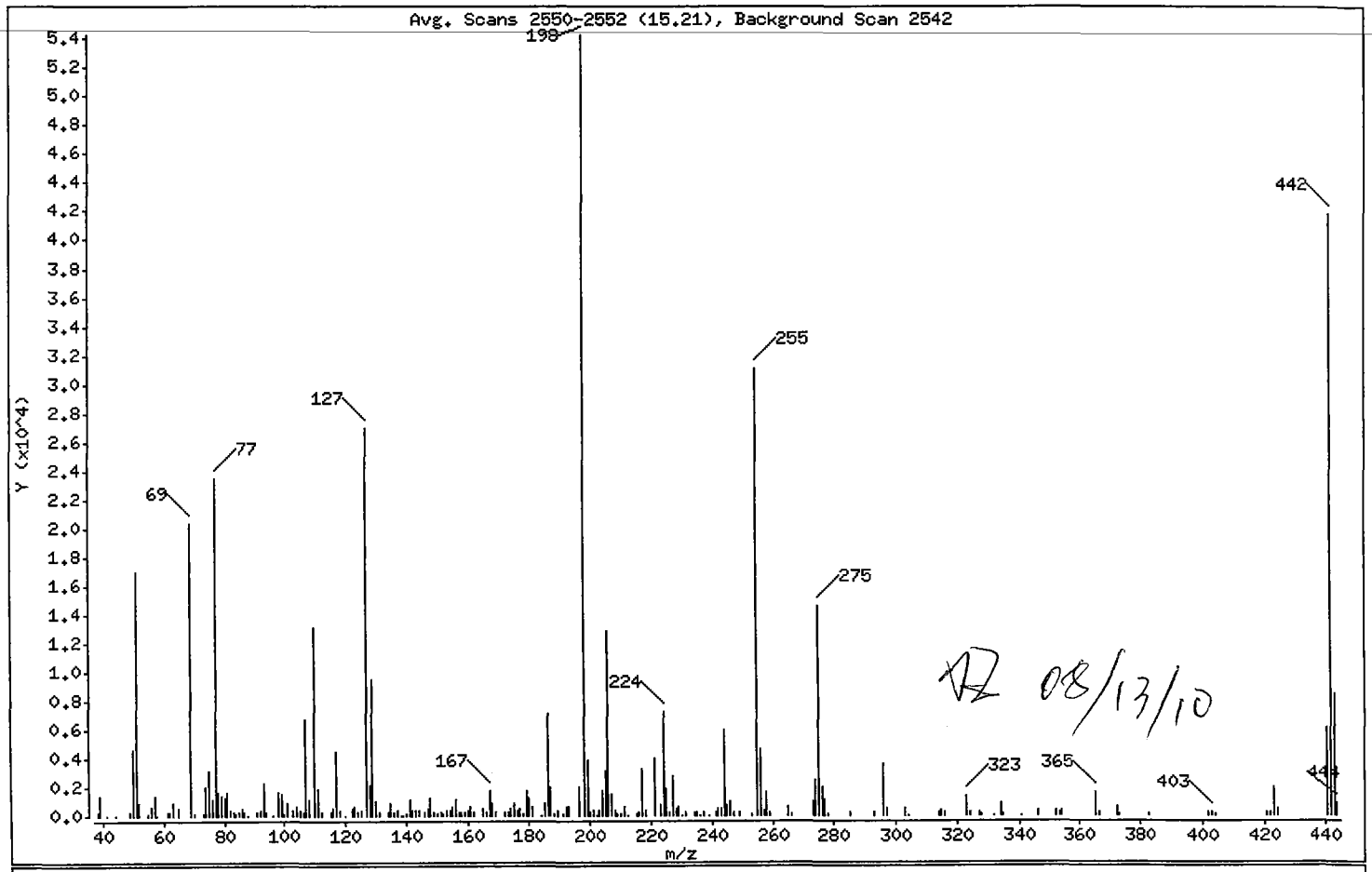
Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	31.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.58
70	Less than 2.00% of mass 69	0.34 (0.91)
127	10.00 - 80.00% of mass 198	49.59
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 60.00% of mass 198	26.85
365	Greater than 1.00% of mass 198	2.89
441	0.01 - 24.00% of mass 442	11.21 (14.54)
442	50.00 - 200.00% of mass 198	77.11
443	15.00 - 24.00% of mass 442	15.56 (20.18)

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813 Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08131001.D
Spectrum: Avg. Scans 2550-2552 (15.21), Background Scan 2542
Location of Maximum: 198.00
Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	237	117.00	4445	181.00	655	255.00	31088
39.00	1357	118.00	321	184.00	50	256.00	4615
41.00	9	120.00	52	185.00	815	257.00	386
44.00	6	122.00	493	186.00	7116	258.00	1636
49.00	199	123.00	585	187.00	2036	259.00	244
50.00	4578	124.00	290	188.00	160	265.00	659
51.00	16984	125.00	355	189.00	367	266.00	177
52.00	877	127.00	26920	191.00	120	273.00	1043
55.00	78	128.00	2106	192.00	670	274.00	2537
56.00	578	129.00	9511	193.00	636	275.00	14577
57.00	1344	130.00	943	196.00	1940	276.00	2010
58.00	50	131.00	205	198.00	54288	277.00	1084
61.00	252	134.00	295	199.00	3830	278.00	180
62.00	294	135.00	815	200.00	281	285.00	198
63.00	864	136.00	275	201.00	316	293.00	298
65.00	486	137.00	435	202.00	61	296.00	3659
69.00	20400	138.00	52	203.00	376	297.00	462
70.00	185	139.00	25	204.00	1744	303.00	496
73.00	168	140.00	90	205.00	3070	304.00	56
74.00	1986	141.00	1155	206.00	12875	314.00	202
75.00	3165	142.00	389	207.00	1536	315.00	373
76.00	1107	143.00	315	208.00	377	316.00	264
77.00	23448	144.00	353	209.00	108	323.00	1311
78.00	1668	146.00	189	210.00	139	324.00	233
79.00	1398	147.00	545	211.00	586	327.00	258
80.00	1202	148.00	1288	212.00	60	328.00	112
81.00	1668	149.00	273	215.00	111	332.00	50
82.00	435	150.00	71	216.00	258	334.00	899
83.00	259	151.00	197	217.00	3273	335.00	182
84.00	151	152.00	120	218.00	424	341.00	59
85.00	275	153.00	424	221.00	3966	346.00	316
86.00	540	154.00	360	223.00	794	352.00	332
87.00	267	155.00	621	224.00	7294	353.00	308
88.00	50	156.00	1094	225.00	1835	354.00	411
91.00	305	157.00	264	226.00	249	365.00	1571

Data File: /chem1/nt6.i/20100813.b/tune.b/08131001.D

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813 Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08131001.D
Spectrum: Avg. Scans 2550-2552 (15.21), Background Scan 2542
Location of Maximum: 198.00
Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	367	158.00	214	227.00	2800	366.00	235
93.00	2295	159.00	197	228.00	502	372.00	667
94.00	201	160.00	376	229.00	591	373.00	137
96.00	56	161.00	575	230.00	50	383.00	121
98.00	1599	162.00	221	231.00	306	402.00	241
99.00	1474	165.00	463	234.00	194	403.00	305
100.00	117	166.00	302	235.00	228	404.00	113
101.00	929	167.00	1750	236.00	53	421.00	287
103.00	315	168.00	860	237.00	287	422.00	253
104.00	608	169.00	248	239.00	56	423.00	1964
105.00	363	172.00	212	241.00	216	424.00	475
106.00	245	173.00	249	242.00	460	441.00	6086
107.00	6783	174.00	460	243.00	484	442.00	41864
108.00	1140	175.00	902	244.00	6015	443.00	8448
110.00	13050	176.00	339	245.00	791	444.00	843
111.00	1903	177.00	441	246.00	1052		
112.00	272	178.00	148	247.00	262		
115.00	197	179.00	1797	249.00	236		
116.00	492	180.00	1222	253.00	108		

Data File: /chem1/nt6.i/20100813.b/tune.b/08131001.D

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813

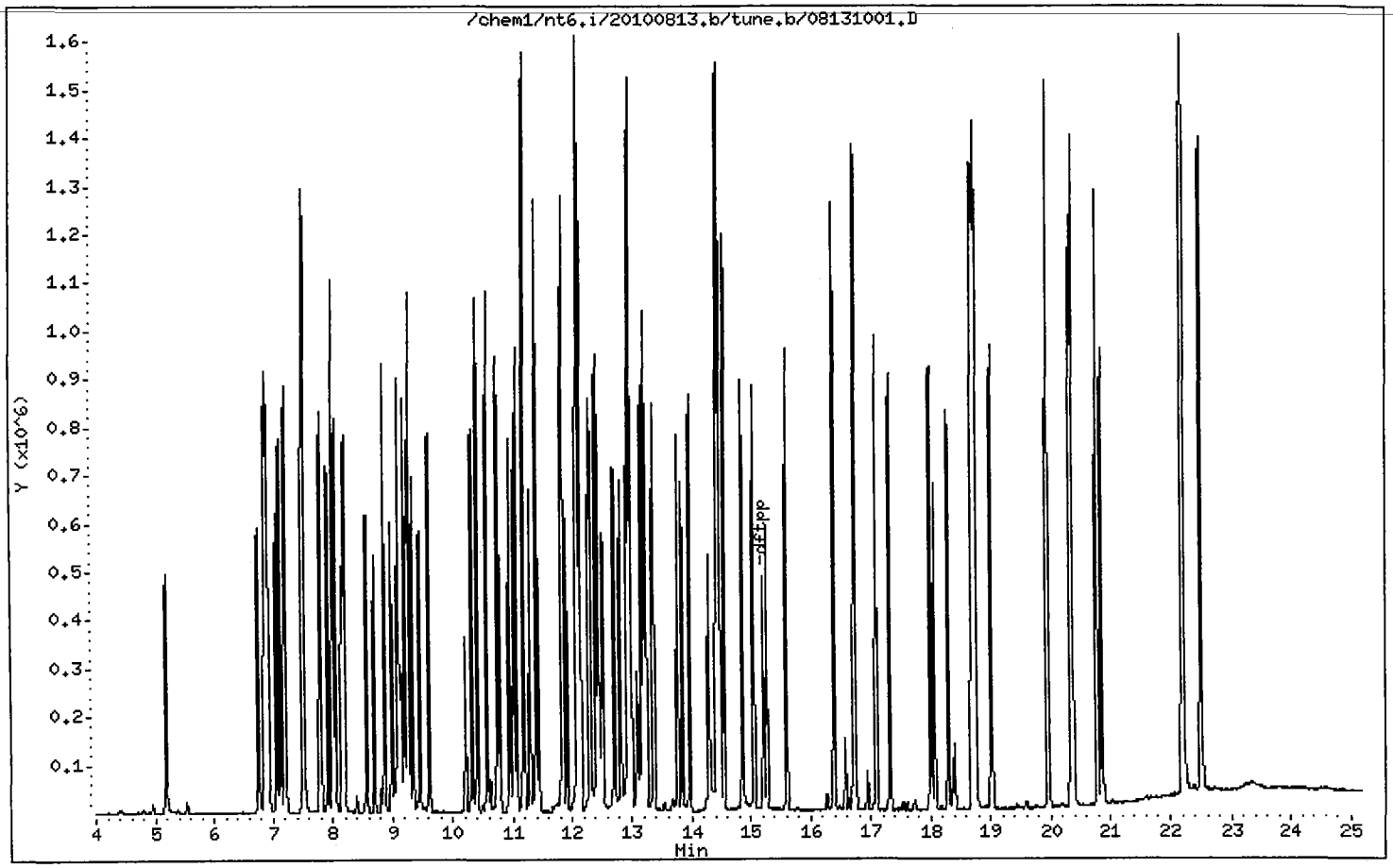
Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20100813.b/ddt.b/08131001.D ARI ID: CC0813
Method: /chem1/nt6.i/20100813.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 13-AUG-2010 11:24 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.284	109541
Benzidine	16.682	61901
4,4'-DDE	----	----
4,4'-DDD	17.596	6052
4,4'-DDT	18.060	253360

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

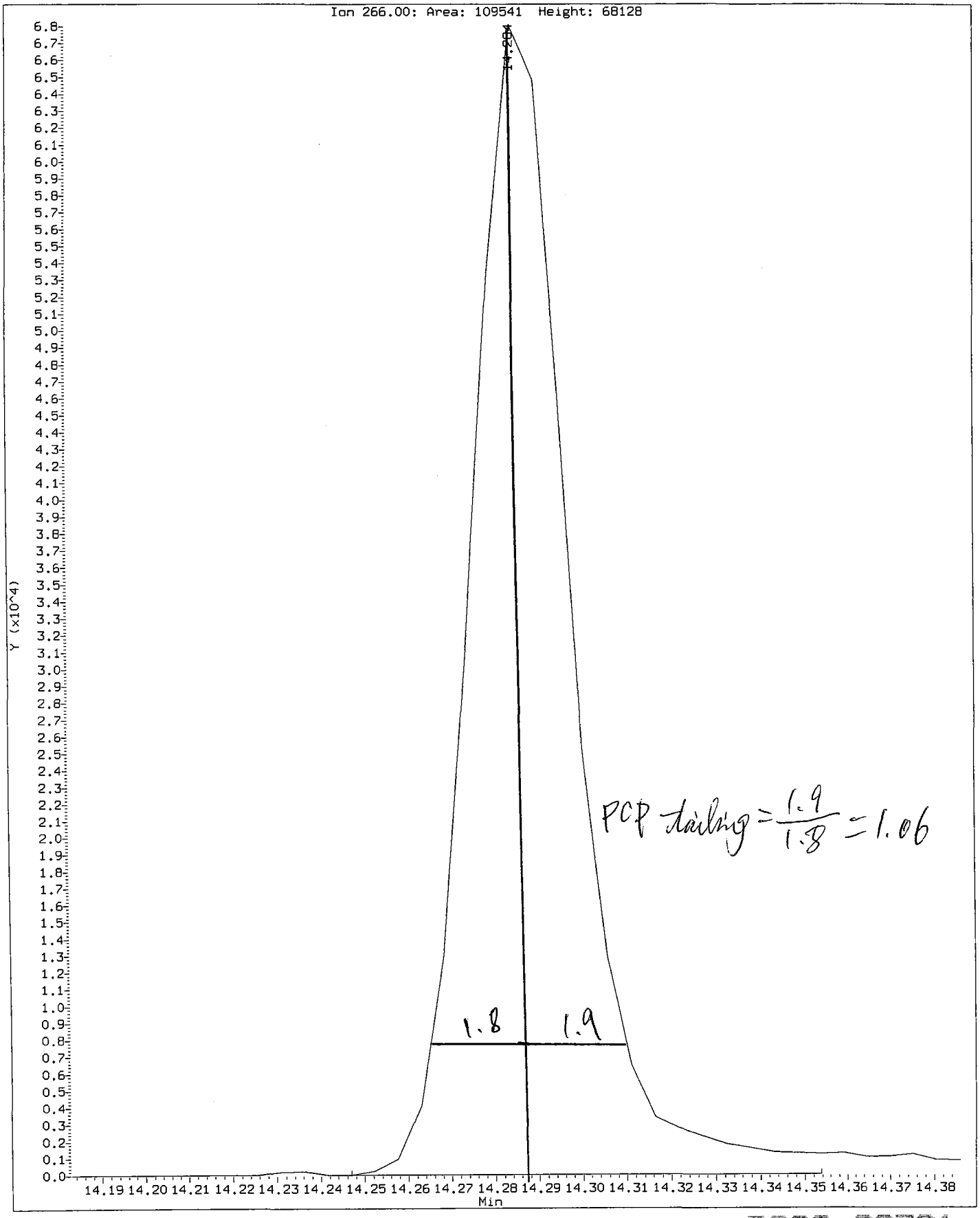
$$\text{DDT Percent Breakdown} = \frac{(0 + 6052) * 100}{(0 + 6052 + 253360)}$$

DDT Percent Breakdown = 2.3 %

OK 08/13/10

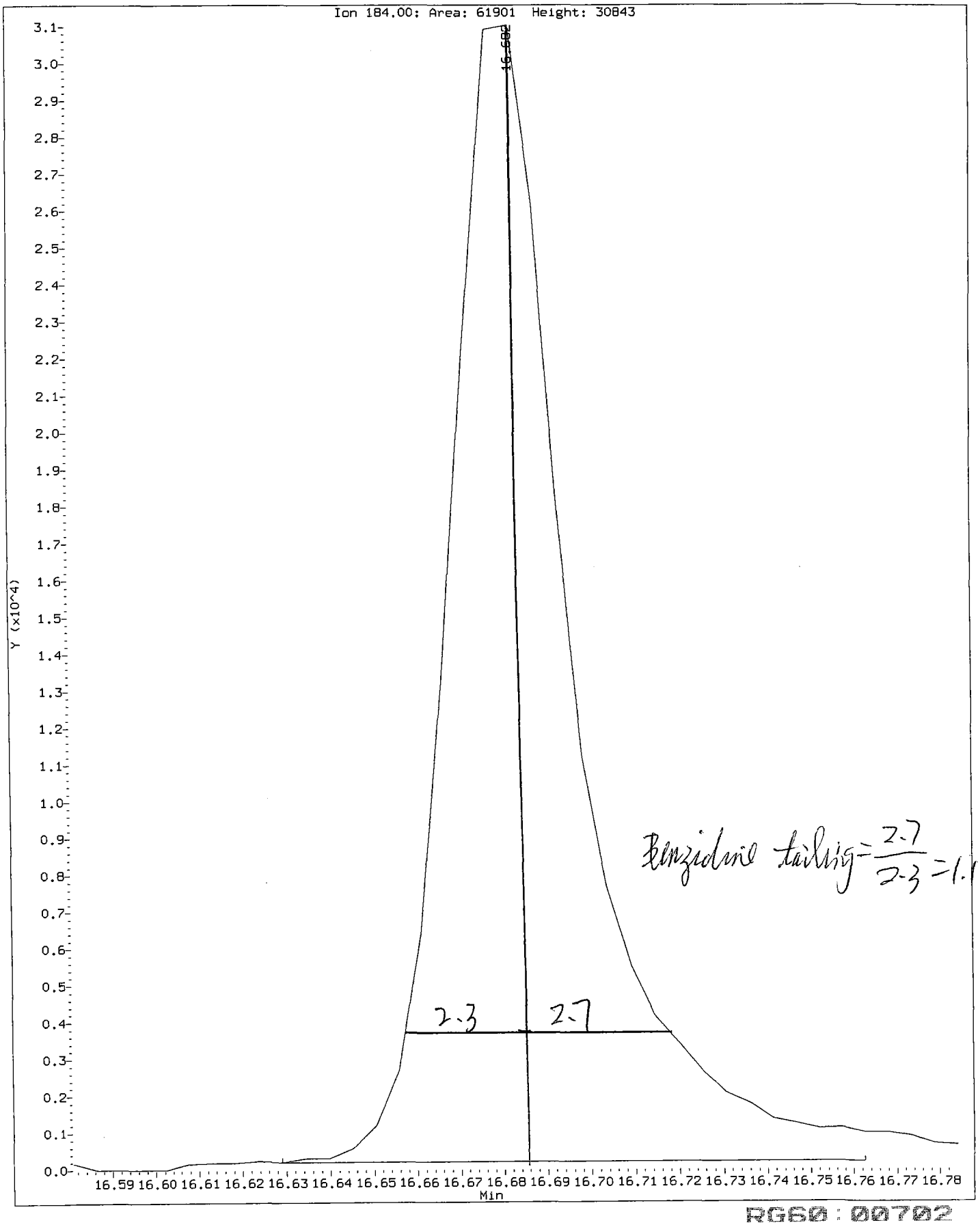
Data File: /chem1/nt6.i/20100813.b/ddt.b/08131001.D
Injection Date: 13-AUG-2010 11:24
Instrument: nt6.i
Client Sample ID: CC0813

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100813.b/ddt.b/08131001.D
Injection Date: 13-AUG-2010 11:24
Instrument: nt6.i
Client Sample ID: CC0813

Compound: Benzidine
CAS Number:



Benzidine tailing = $\frac{2.7}{2.3} = 1.17$

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131002.D
Lab Smp Id: RG60D Client Smp ID: PSB13-4-6-072910
Inj Date : 13-AUG-2010 11:57
Operator : JZ Inst ID: nt6.i
Smp Info : RG60D
Misc Info : 10-18282
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:44 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

E 08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	28.60000	Weight of sample extracted (g)
M	10.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.239	9.248	(1.000)	646607	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.050	11.058	(0.914)	428971	16.0921	313.3
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.086	12.089	(1.000)	380788	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.436	14.439	(1.000)	616103	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.086	17.088	(0.913)	355733	14.6866	285.9
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.709	18.717	(1.000)	683741	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.851	20.849	(1.000)	676003	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131002.D
Lab Smp Id: RG60D
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18282

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB13-4-6-07291C
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	646607	10.69
42 Acenaphthene-d10	320442	160221	640884	380788	18.83
59 Phenanthrene-d10	503793	251896	1007586	616103	22.29
69 Chrysene-d12	532343	266172	1064686	683741	28.44
77 Perylene-d12	517269	258634	1034538	676003	30.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.09
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	-0.02
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	-0.02
69 Chrysene-d12	18.72	18.22	19.22	18.71	-0.04
77 Perylene-d12	20.85	20.35	21.35	20.85	0.01

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

Analytical Resources, Inc.

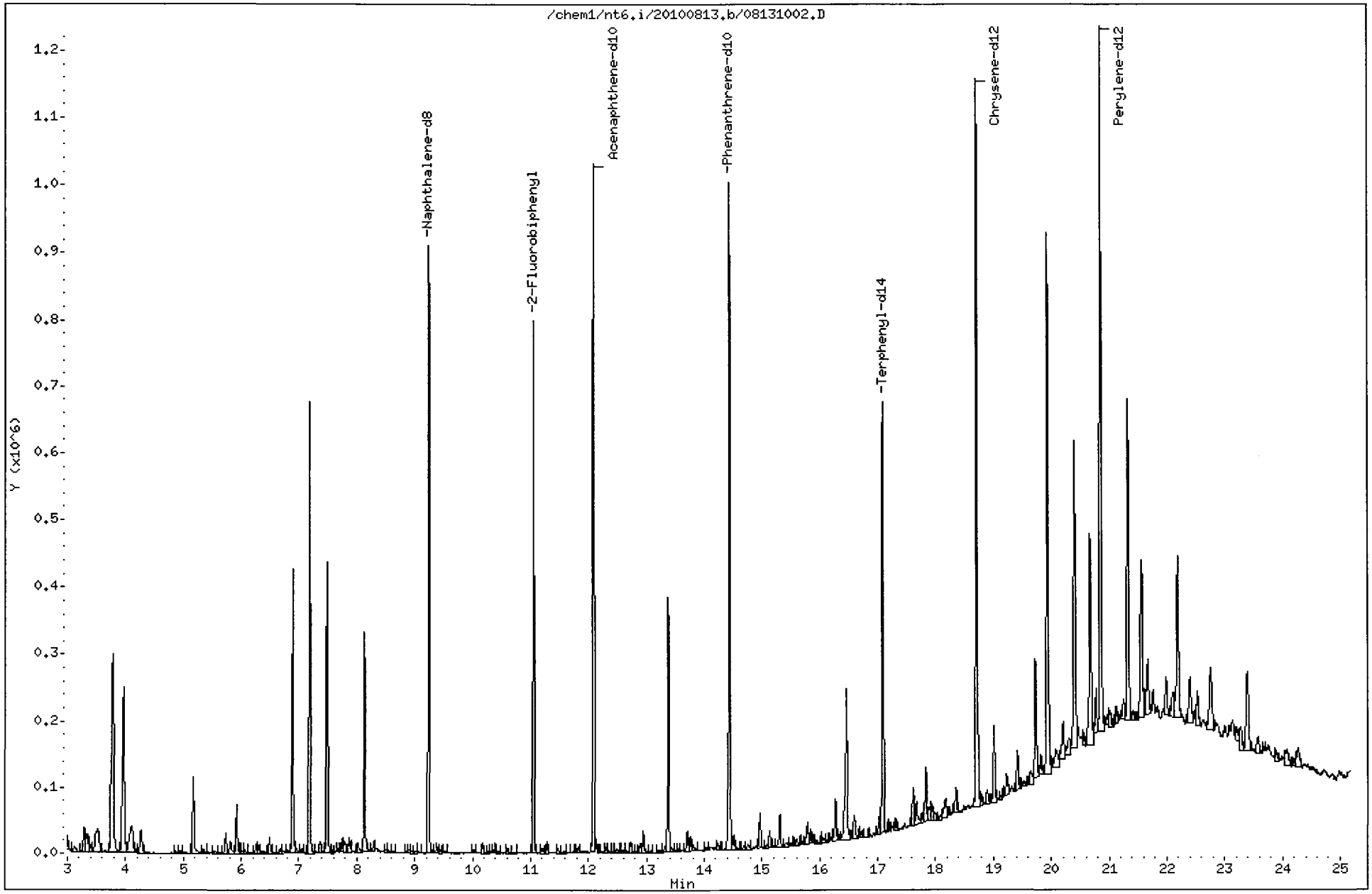
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG51
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60D
Client Smp ID: PSB13-4-6-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18282

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	486.7	313.3	64.37	34-100
$ 66 Terphenyl-d14	486.7	285.9	58.75	35-112

Data File: /chem1/nt6.i/20100813.b/08131002.D
Date : 13-AUG-2010 11:57
Client ID: PSB13-4-6-072910
Sample Info: RG60D
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i
Operator: JZ
Column diameter: 0.32



RG60 : 072910

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131003.D
Lab Smp Id: RG60E Client Smp ID: PSB13-11-13-072910
Inj Date : 13-AUG-2010 12:30
Operator : JZ Inst ID: nt6.i
Smp Info : RG60E
Misc Info : 10-18283
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:44 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	28.20000	Weight of sample extracted (g)
M	9.60000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.242	9.248	(1.000)	655374	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.053	11.058	(0.915)	472289	17.3422	340.1
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.083	12.089	(1.000)	389020	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.434	14.439	(1.000)	630919	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.088	17.088	(0.913)	526139	20.3317	398.8
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.712	18.717	(1.000)	730490	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.854	20.849	(1.000)	755660	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131003.D
Lab Smp Id: RG60E
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18283

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB13-11-13-072
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	655374	12.20
42 Acenaphthene-d10	320442	160221	640884	389020	21.40
59 Phenanthrene-d10	503793	251896	1007586	630919	25.23
69 Chrysene-d12	532343	266172	1064686	730490	37.22
77 Perylene-d12	517269	258634	1034538	755660	46.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.06
42 Acenaphthene-d10	12.09	11.59	12.59	12.08	-0.05
59 Phenanthrene-d10	14.44	13.94	14.94	14.43	-0.04
69 Chrysene-d12	18.72	18.22	19.22	18.71	-0.03
77 Perylene-d12	20.85	20.35	21.35	20.85	0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

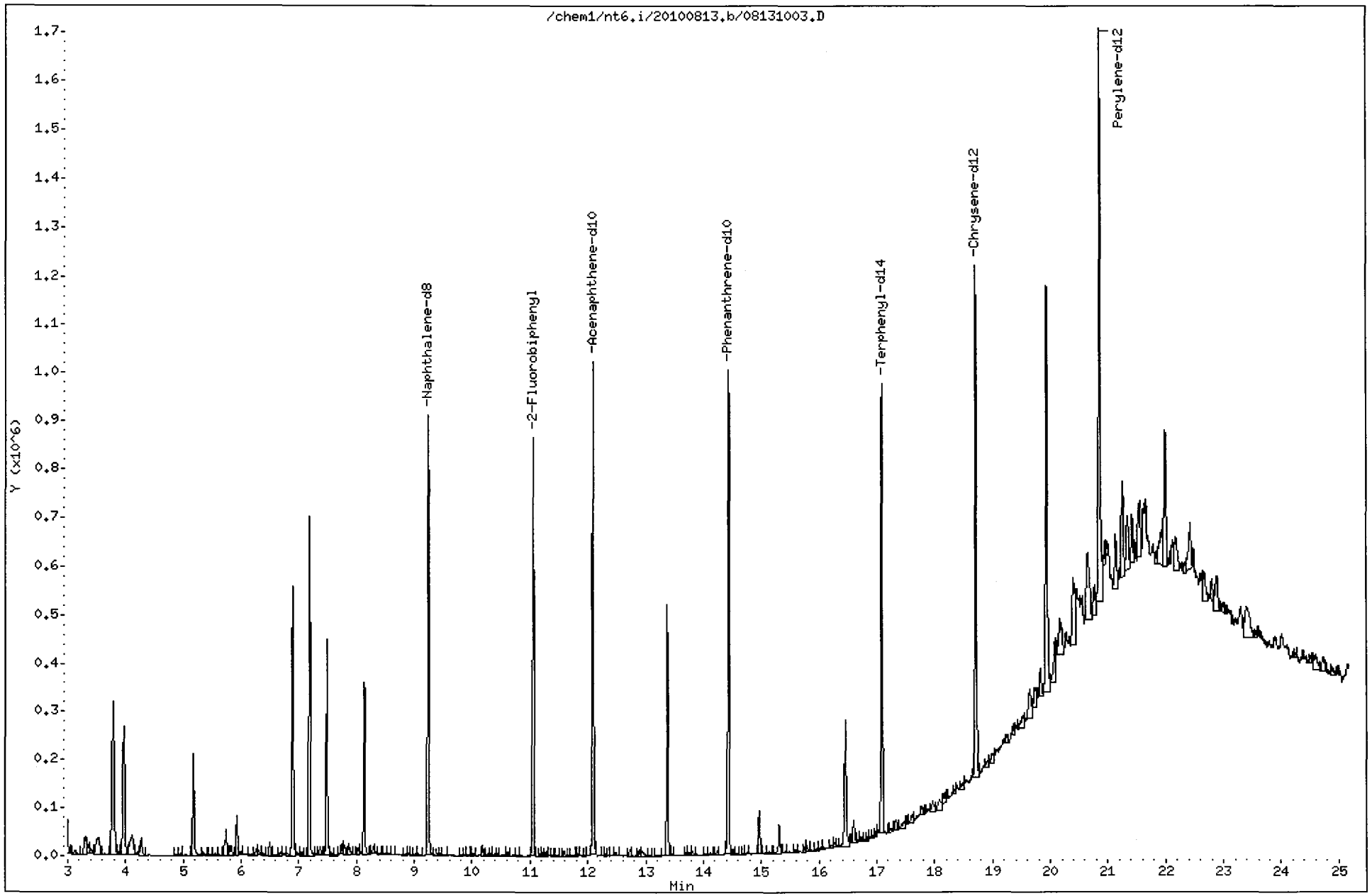
Client Name: Floyd/Snider
Client SDG: RG51
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60E
Client Smp ID: PSB13-11-13-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18283

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	490.3	340.1	69.37	34-100
$ 66 Terphenyl-d14	490.3	398.8	81.33	35-112

Data File: /chem1/nt6.i/20100813.b/08131003.D
Date : 13-AUG-2010 12:30
Client ID: PSB13-11-13-072910
Sample Info: RG60E
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i
Operator: JZ
Column diameter: 0.32

RG60:08713



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131004.D
Lab Smp Id: RG60F Client Smp ID: PSB13-14.5-16.5-072
Inj Date : 13-AUG-2010 13:03
Operator : JZ Inst ID: nt6.i
Smp Info : RG60F
Misc Info : 10-18284
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:44 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	28.00000	Weight of sample extracted (g)
M	10.30000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.243	9.248	(1.000)	657063	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.053	11.058	(0.914)	459050	17.1629	341.7
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.089	12.089	(1.000)	382063	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.434	14.439	(1.000)	634253	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.089	17.088	(0.913)	522914	19.2265	382.8
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.712	18.717	(1.000)	767749	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.859	20.849	(1.000)	788938	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131004.D
Lab Smp Id: RG60F
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18284

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB13-14.5-16.5-
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	657063	12.48
42 Acenaphthene-d10	320442	160221	640884	382063	19.23
59 Phenanthrene-d10	503793	251896	1007586	634253	25.90
69 Chrysene-d12	532343	266172	1064686	767749	44.22
77 Perylene-d12	517269	258634	1034538	788938	52.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.06
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.00
59 Phenanthrene-d10	14.44	13.94	14.94	14.43	-0.04
69 Chrysene-d12	18.72	18.22	19.22	18.71	-0.03
77 Perylene-d12	20.85	20.35	21.35	20.86	0.05

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

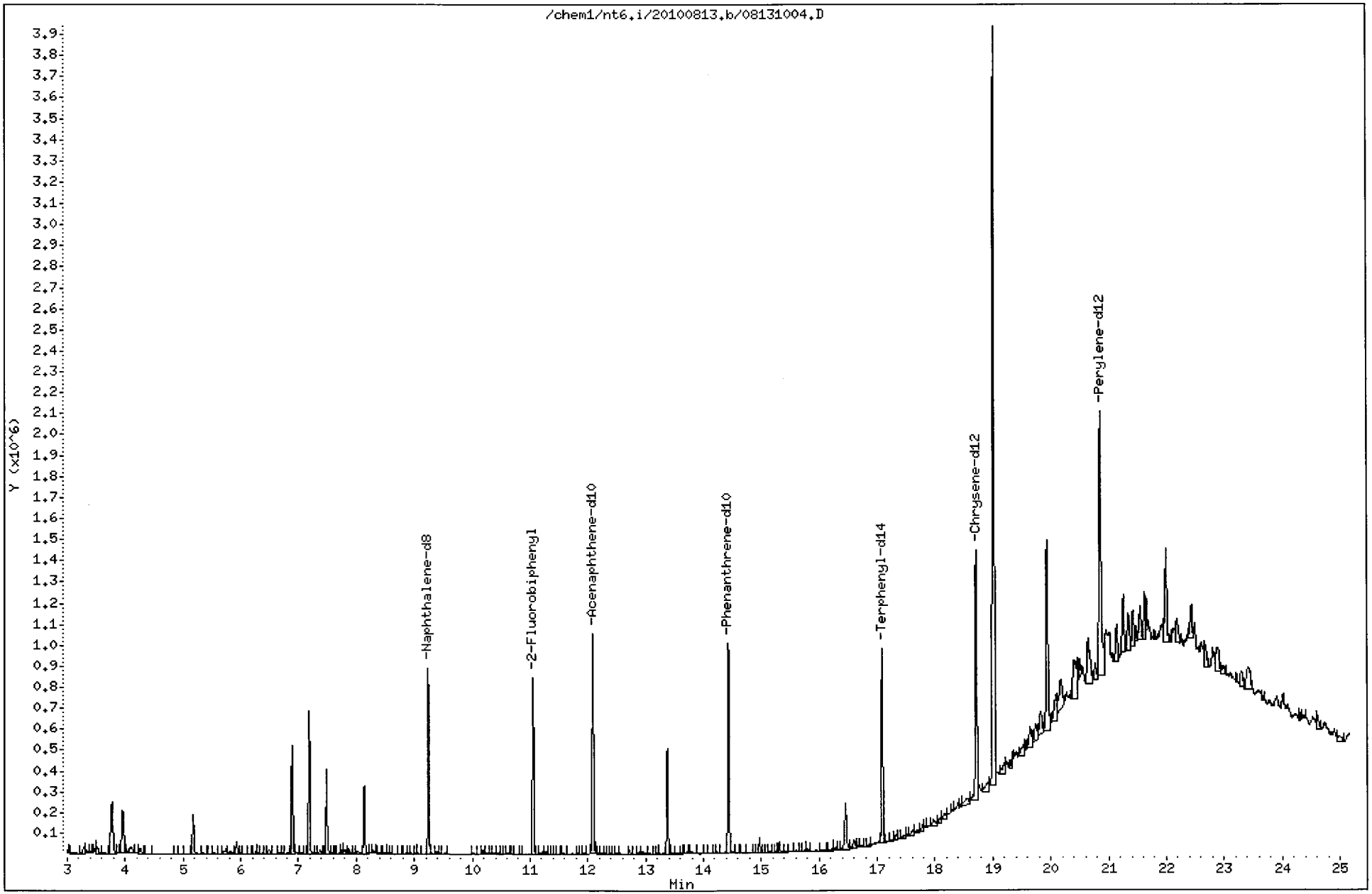
Client Name: Floyd/Snider
Client SDG: RG51
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60F
Client Smp ID: PSB13-14.5-16.5-072
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18284

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	497.7	341.7	68.65	34-100
$ 66 Terphenyl-d14	497.7	382.8	76.91	35-112

Data File: /chem1/nt6.i/20100813.b/08131004.D
Date : 13-AUG-2010 13:03
Client ID: PSB13-14.5-16.5-072
Sample Info: RG60F
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i
Operator: JZ
Column diameter: 0.32

RG60:09717



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131007.D
Lab Smp Id: RG60C Client Smp ID: PSB13-2-4-072910
Inj Date : 13-AUG-2010 14:42
Operator : JZ Inst ID: nt6.i
Smp Info : RG60C
Misc Info : 10-18281
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:44 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AB 08/13/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	28.10000	Weight of sample extracted (g)
M	7.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.247	9.248	(1.000)	667186	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.058	11.058	(0.914)	391019	13.6011	261.9
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.094	12.089	(1.000)	410669	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.444	14.439	(1.000)	703145	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
$	66 Terphenyl-d14	244	17.114	17.088	(0.912)	73752	2.87189	55.30	(R)
	68 Benzo(a)anthracene	228	Compound Not Detected.						
*	69 Chrysene-d12	240	18.760	18.717	(1.000)	724927	20.0000		
	71 Chrysene	228	Compound Not Detected.						
	187 Total Benzofluoranthenes	252	Compound Not Detected.						
	76 Benzo(a)pyrene	252	Compound Not Detected.						
*	77 Perylene-d12	264	20.939	20.849	(1.000)	307927	20.0000		(M)
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.						
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.						
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.						

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131007.D
Lab Smp Id: RG60C
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18281

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB13-2-4-07291(
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	667186	14.22
42 Acenaphthene-d10	320442	160221	640884	410669	28.16
59 Phenanthrene-d10	503793	251896	1007586	703145	39.57
69 Chrysene-d12	532343	266172	1064686	724927	36.18
77 Perylene-d12	517269	258634	1034538	307927	-40.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	-0.01
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.04
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.03
69 Chrysene-d12	18.72	18.22	19.22	18.76	0.23
77 Perylene-d12	20.85	20.35	21.35	20.94	0.43

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: RG60C
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18281

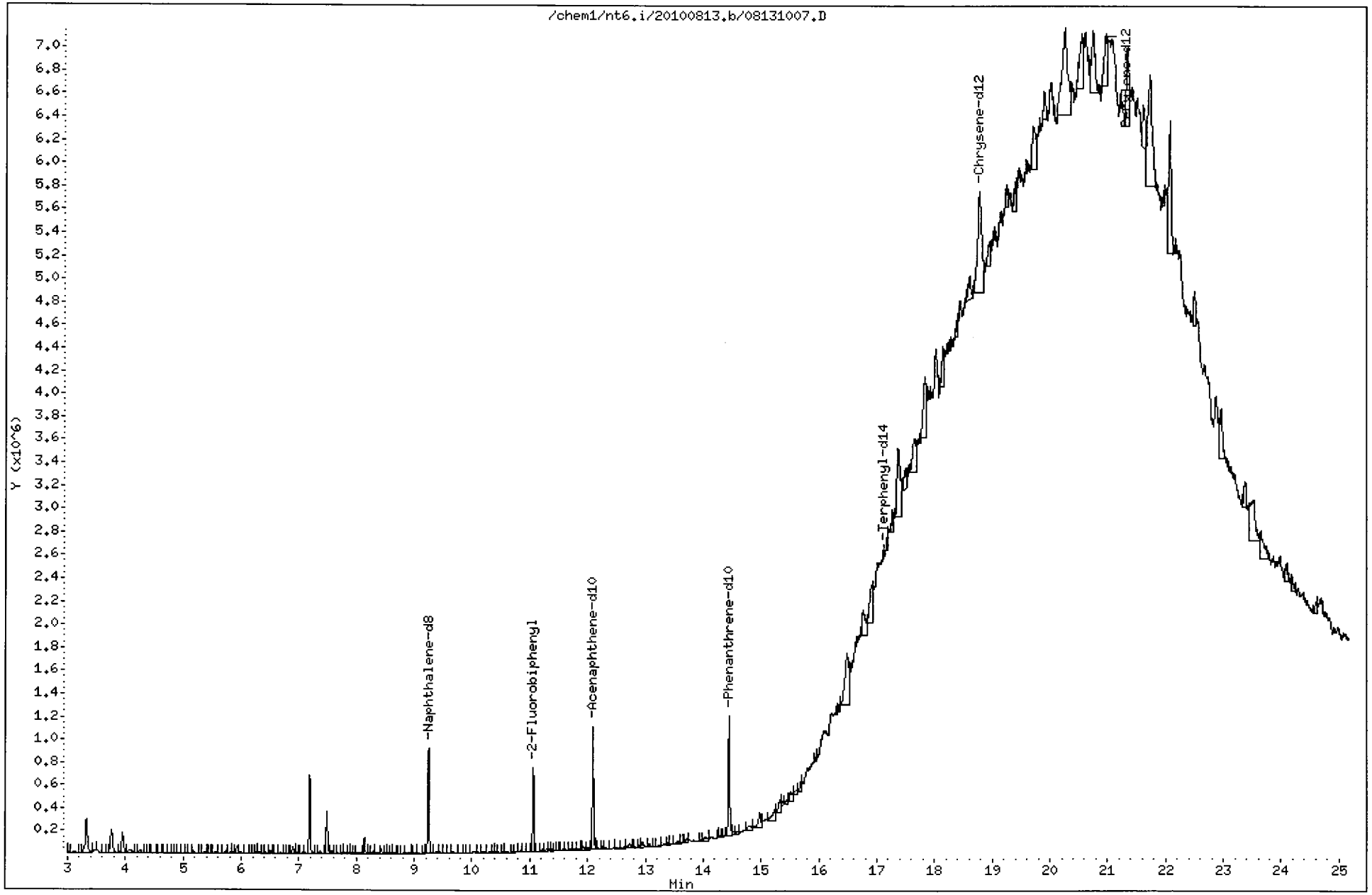
Client SDG: RG60
Fraction: SV
Client Smp ID: PSB13-2-4-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	481.4	261.9	54.40	34-100
$ 66 Terphenyl-d14	481.4	55.30	11.49*	35-112

Data File: /chem1/nt6.i/20100813.b/08131007.D
Date : 13-AUG-2010 14:42
Client ID: PSB13-2-4-072910
Sample Info: RG60C
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32



RG60 : 08722

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: RG14 & RG60 (RE) Client ID: Floyd/Snider

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 (NT-4) NT-6 NT-8 NT11

Curve Date: 7/19/10 Analysis Start Date: 8/19/10

DFTPP Tune Meets Criteria?	(YES) / NO	Internal Standard Meets Criteria?	(YES) / NO
DDT Breakdown <20%?	(YES) / NO / NA	Method Blank In Control?	(YES) / NO
Peak Tailing Factor ≤2?	(YES) / NO / NA	LCS / LCSD Recovery In Control?	(YES) / NO
ICal acceptable?	(YES) / NO	CCal acceptable?	(YES) / NO
Q flag applied?	YES / (NO)	Q flag applied?	YES / (NO)
Surrogate Recovery in Control?	(YES) / NO	Special Analysis Criteria Met?	YES / NO / (NA)
Manual Integrations for ICal?	(YES) / NO	Manual Integrations for Samples?	Yes / (NO)

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Re-extraction for samples RG14A & RG60A-C + MB/LCS

forms included.

Batch QC: RG14 & RG60.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 08/20/10

Reviewer: VTS **Date:** 8.20.10

Analytical Resources Inc.: Organics Instrument Log

NT-4 Serial No.: GC = US00010849; MS = US72821113

Date: 8/19/10 Analysis: 8270 Analyst: RB

GC Program: DB-V Column No: 172296 Column Type: DB-5MS

Instrument Tune (.U or .CT.): 100716 EM Voltage: 1247

Calibration File: 08190001 Curve Date: 7/19/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1753-1	
	~~1755-1~~, 1756-1	
	~~1801~~9, 1753-5	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt4.i/20100819.b

	Time	Filename	LabID	ClientId	DF												
1	1340	08191001.d	CC0819	CC0819	1	7.68	386792	9.72	1352410	12.57	840037	14.93	1383202	19.22	1161620	21.37	1257185	20.38	1834295
2	1415	08191002.d	RG79B	PSB11-1.5-2-	3	NO ISTDS FOUND													
				wrong vial - purged															
3	1449	08191003.d	RG79C	PSB11-2-4-07	5	9.71	1283506	12.56	802848	14.92	1488857	19.26	414979	21.46	392234				
			5X	1s out															
4	1523	08191004.d	RG79D	PSB11-2-4-07	5	9.72	1066649	12.57	641631	14.93	1097217	19.24	888111	21.43	486900				
			5X	1s out															
5	1556	08191005.d	RG54MBS2	RG54MBS2	1	9.71	1015849	12.56	622493	14.92	1028403	19.21	991004	21.36	879245				
6	1630	08191006.d	RG54LCSS2	RG54LCSS2	1	9.72	1100384	12.56	664342	14.92	1115640	19.22	1048244	21.37	935470				
7	1703	08191007.d	RG54ARE	PSB14-0-.5-0	1	9.72	1332651	12.56	801090	14.92	1338340	19.22	1284700	21.37	959185				
8	1737	08191008.d	RG60ARE	PSB13-0-0.5-	1	9.71	1244824	12.56	755544	14.92	1241479	19.21	1145912	21.36	970947				
9	1811	08191009.d	RG60BRE	PSB13-1.5-2-	1	9.71	1233306	12.56	731833	14.92	1250218	19.21	1139194	21.36	923017				
10	1844	08191010.d	RG60CRE	PSB13-2-4-07	1	9.71	536247	12.55	311511	14.92	540526	19.21	524158	21.37	377039				
			1s out																
11	1918	08191011.d	RG79O	PSB15-13-15-	3	9.72	1605673	12.56	993285	14.92	1633598	19.22	1528883	21.37	1121219				
			3X																
12	2001	08191012.d	Rinse0817	Rinse0817	5	NO ISTDS FOUND													
13	2035	08191013.d	RG79B	PSB11-1.5-2-	10	9.72	1581290	12.56	966301	14.92	1688418	19.23	1521945	21.39	933504				
			10X																
14	2108	08191014.d	RG79C	PSB11-2-4-07	10	9.72	1714387	12.56	1051836	14.92	1832866	19.24	1370983	21.42	624089				
			10X																
15	2141	08191015.d	RG79D	PSB11-2-4-07	10	9.72	1588583	12.56	1023882	14.92	1770132	19.23	1525443	21.40	762859				
			10X																
16	2215	08191016.d	RG60CRE	PSB13-2-4-07	5	9.72	1889642	12.56	1146096	14.92	1980045	19.22	1705384	21.37	895198				
			5X																

RB 08/20/10

Maintenance / Comments

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control):

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem3/nt4.i/20100819.b

ARI Job No.: CC08 Method: SW846100719.m Instrument: nt4.i Date: 19-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1340	08191001.d	CC0819	CC0819	1	Benzyl alcohol,
1556	08191005.d	RG54MBS2	RG54MBS2	1	NO MANUAL INTEGRATION
1630	08191006.d	RG54LCSS2	RG54LCSS2	1	NO MANUAL INTEGRATION
1703	08191007.d	RG54ARE	PSB14-0-.5	1	NO MANUAL INTEGRATION
1737	08191008.d	RG60ARE	PSB13-0-0.	1	NO MANUAL INTEGRATION
1811	08191009.d	RG60BRE	PSB13-1.5-	1	NO MANUAL INTEGRATION
2215	08191016.d	RG60CRE	PSB13-2-4-	5	NO MANUAL INTEGRATION

AB 08/20/10

Q-FLAG SUMMARY FOR DATABATCH - /chem3/nt4.i/20100819.b

Instrument: nt4.i Date: 19-AUG-2010 Method: SW846100719.m

INITIAL CAL: 19-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

DL 08/19/10

CONTINUING CAL: 19-AUG-2010

Compound	%D	
Benzyl alcohol	-22.2	} NTC
Hexachlorocyclopentadiene	-47.1	
4-Nitrophenol	-26.2	
Pentachlorophenol	-33.3	

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i Injection Date: 19-AUG-2010 13:40
Lab File ID: 08191001.d Init. Cal. Date(s): 19-JUL-2010 19-JUL-2010
Analysis Type: Init. Cal. Times: 16:18 19:48
Lab Sample ID: CC0819 Quant Type: ISTD
Method: /chem3/nt4.i/20100819.b/SW846100719.m

AB 08/19/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 2-Fluorophenol	1.08371	1.08749	1.08749	0.010	0.34807	20.00000	Averaged	
$ 2 Phenol-d5	1.06604	1.09896	1.09896	0.010	3.08780	20.00000	Averaged	
3 Phenol	1.37947	1.32545	1.32545	0.100	-3.91645	20.00000	Averaged	
$ 5 2-Chlorophenol-d4	1.14386	1.09799	1.09799	0.010	-4.01038	20.00000	Averaged	
4 Bis(2-Chloroethyl)ether	1.02875	1.03375	1.03375	0.700	0.48543	20.00000	Averaged	
6 2-Chlorophenol	1.31278	1.22941	1.22941	0.800	-6.35090	20.00000	Averaged	
7 1,3-Dichlorobenzene	1.49159	1.41579	1.41579	0.010	-5.08147	20.00000	Averaged	
9 1,4-Dichlorobenzene	1.50653	1.42105	1.42105	0.010	-5.67448	20.00000	Averaged	
$ 10 1,2-Dichlorobenzene-d4	0.85327	0.76584	0.76584	0.010	-10.24685	20.00000	Averaged	
12 1,2-Dichlorobenzene	1.40311	1.29966	1.29966	0.010	-7.37252	20.00000	Averaged	
11 Benzyl alcohol	0.78176	0.60825	0.60825	0.010	-22.19565	20.00000	Averaged	<-
14 2,2'-oxybis(1-Chloropropane	0.96702	0.98920	0.98920	0.010	2.29369	20.00000	Averaged	
13 2-Methylphenol	1.05383	1.03368	1.03368	0.700	-1.91219	20.00000	Averaged	
17 Hexachloroethane	0.55799	0.50813	0.50813	0.300	-8.93645	20.00000	Averaged	
16 N-Nitroso-di-n-propylamine	0.72131	0.68768	0.68768	0.500	-4.66206	20.00000	Averaged	
15 4-Methylphenol	1.09383	1.04854	1.04854	0.600	-4.14039	20.00000	Averaged	
$ 18 Nitrobenzene-d5	0.30955	0.29774	0.29774	0.010	-3.81252	20.00000	Averaged	
19 Nitrobenzene	0.30648	0.29306	0.29306	0.200	-4.37809	20.00000	Averaged	
20 Isophorone	0.50898	0.49093	0.49093	0.300	-3.54621	20.00000	Averaged	
21 2-Nitrophenol	0.19148	0.20025	0.20025	0.100	4.58281	20.00000	Averaged	
22 2,4-Dimethylphenol	0.34090	0.31720	0.31720	0.200	-6.95285	20.00000	Averaged	
23 Bis(2-Chloroethoxy)methane	0.35475	0.35689	0.35689	0.050	0.60215	20.00000	Averaged	
24 Benzoic acid	40.94960	50.00000	0.22453	0.010	-18.10080	20.00000	Linear	
25 2,4-Dichlorophenol	0.29949	0.28485	0.28485	0.100	-4.88883	20.00000	Averaged	
26 1,2,4-Trichlorobenzene	0.33353	0.30505	0.30505	0.010	-8.54071	20.00000	Averaged	
28 Naphthalene	0.94898	0.92049	0.92049	0.100	-3.00254	20.00000	Averaged	
29 4-Chloroaniline	0.37840	0.37075	0.37075	0.010	-2.01979	20.00000	Averaged	
30 Hexachlorobutadiene	0.18923	0.16014	0.16014	0.010	-15.37373	20.00000	Averaged	
31 4-Chloro-3-methylphenol	0.27464	0.28161	0.28161	0.200	2.53813	20.00000	Averaged	
32 2-Methylnaphthalene	0.64492	0.61066	0.61066	0.300	-5.31276	20.00000	Averaged	
33 Hexachlorocyclopentadiene	0.29263	0.15490	0.15490	0.001	-47.06517	20.00000	Averaged	<-
34 2,4,6-Trichlorophenol	0.36003	0.33929	0.33929	0.200	-5.75927	20.00000	Averaged	
35 2,4,5-Trichlorophenol	0.36654	0.35205	0.35205	0.200	-3.95322	20.00000	Averaged	
$ 36 2-Fluorobiphenyl	1.22512	1.10693	1.10693	0.010	-9.64675	20.00000	Averaged	
37 2-Chloronaphthalene	1.08775	1.00362	1.00362	0.700	-7.73435	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i Injection Date: 19-AUG-2010 13:40
Lab File ID: 08191001.d Init. Cal. Date(s): 19-JUL-2010 19-JUL-2010
Analysis Type: Init. Cal. Times: 16:18 19:48
Lab Sample ID: CC0819 Quant Type: ISTD
Method: /chem3/nt4.i/20100819.b/SW846100719.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.21001	0.23445	0.23445	0.010	11.63627	20.00000	Averaged	
39 Dimethylphthalate	1.27768	1.16830	1.16830	0.010	-8.56148	20.00000	Averaged	
40 Acenaphthylene	1.64077	1.64542	1.64542	0.900	0.28347	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.28751	0.28135	0.28135	0.100	-2.14072	20.00000	Averaged	
43 3-Nitroaniline	0.25351	0.24491	0.24491	0.010	-3.39259	20.00000	Averaged	
44 Acenaphthene	1.06825	1.03124	1.03124	0.100	-3.46462	20.00000	Averaged	
45 2,4-Dinitrophenol	48.78250	50.00000	0.16476	0.030	-2.43499	20.00000	Quadratic	
46 Dibenzofuran	1.42396	1.38350	1.38350	0.800	-2.84122	20.00000	Averaged	
47 4-Nitrophenol	0.17920	0.13233	0.13233	0.010	-26.15788	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.37910	0.37690	0.37690	0.200	-0.58017	20.00000	Averaged	
50 Diethylphthalate	1.32169	1.12516	1.12516	0.010	-14.86928	20.00000	Averaged	
49 Fluorene	1.23204	1.15978	1.15978	0.100	-5.86502	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.59756	0.54470	0.54470	0.100	-8.84488	20.00000	Averaged	
52 4-Nitroaniline	0.27464	0.27565	0.27565	0.010	0.36778	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.13800	0.13213	0.13213	0.001	-4.24918	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.56415	0.50575	0.50575	0.010	-10.35158	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.14302	0.12575	0.12575	0.010	-12.07377	20.00000	Averaged	
56 4-Bromophenyl-phenylether	0.20445	0.18417	0.18417	0.100	-9.91554	20.00000	Averaged	
57 Hexachlorobenzene	0.20941	0.18938	0.18938	0.100	-9.56756	20.00000	Averaged	
58 Pentachlorophenol	0.14268	0.09521	0.09521	0.010	-33.27295	20.00000	Averaged	<-
60 Phenanthrene	1.03607	0.93394	0.93394	0.700	-9.85752	20.00000	Averaged	
61 Anthracene	1.05988	0.97346	0.97346	0.700	-8.15356	20.00000	Averaged	
62 Carbazole	0.96311	0.92265	0.92265	0.010	-4.20114	20.00000	Averaged	
63 Di-n-butylphthalate	1.22802	1.17490	1.17490	0.010	-4.32575	20.00000	Averaged	
64 Fluoranthene	1.07347	1.00657	1.00657	0.600	-6.23250	20.00000	Averaged	
65 Pyrene	1.26819	1.23068	1.23068	0.600	-2.95799	20.00000	Averaged	
$ 66 Terphenyl-d14	0.77444	0.72782	0.72782	0.010	-6.01939	20.00000	Averaged	
67 Butylbenzylphthalate	0.64359	0.63675	0.63675	0.010	-1.06330	20.00000	Averaged	
68 Benzo(a)anthracene	1.17238	1.12008	1.12008	0.800	-4.46062	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37917	0.40387	0.40387	0.010	6.51400	20.00000	Averaged	
71 Chrysene	1.14746	1.09523	1.09523	0.700	-4.55143	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.56782	0.54664	0.54664	0.010	-3.72986	20.00000	Averaged	
73 Di-n-octylphthalate	0.99436	0.92033	0.92033	0.010	-7.44503	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.24491	1.12486	1.12486	0.700	-9.64337	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.26106	1.16570	1.16570	0.700	-7.56188	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i Injection Date: 19-AUG-2010 13:40
Lab File ID: 08191001.d Init. Cal. Date(s): 19-JUL-2010 19-JUL-2010
Analysis Type: Init. Cal. Times: 16:18 19:48
Lab Sample ID: CC0819 Quant Type: ISTD
Method: /chem3/nt4.i/20100819.b/SW846100719.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.18021	1.07624	1.07624	0.010	-8.80909	20.00000	Averaged
76 Benzo(a)pyrene	1.10432	1.03463	1.03463	0.700	-6.31116	20.00000	Averaged
78 *Indeno(1,2,3-cd)pyrene*	1.18581	1.13041	1.13041	0.500	-4.67205	20.00000	Averaged
79 Dibenzo(a,h)anthracene	0.95329	0.92946	0.92946	0.400	-2.49970	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.01362	0.93504	0.93504	0.500	-7.75264	20.00000	Averaged
90 N-Nitrosodimethylamine	0.58263	0.61339	0.61339	0.010	5.27942	20.00000	Averaged
103 Pyridine	1.00478	1.09000	1.09000	0.010	8.48201	20.00000	Averaged
91 Aniline	1.43987	1.36264	1.36264	0.010	-5.36339	20.00000	Averaged
105 1-methylnaphthalene	0.63176	0.60957	0.60957	0.010	-3.51181	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191001.d
Lab Smp Id: CC0819 Client Smp ID: CC0819
Inj Date : 19-AUG-2010 13:40
Operator : JZ Inst ID: nt4.i
Smp Info : CC0819,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m
Meth Date : 19-Aug-2010 18:01 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

R 08/19/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.722	5.722	(0.745)	525789	25.0000	25.09
$	2 Phenol-d5	99	7.296	7.296	(0.950)	531337	25.0000	25.77
	3 Phenol	94	7.320	7.320	(0.953)	640840	25.0000	24.02
$	5 2-Chlorophenol-d4	132	7.385	7.385	(0.962)	530865	25.0000	24.00
	4 Bis(2-Chloroethyl)ether	93	7.361	7.361	(0.959)	499806	25.0000	25.12
	6 2-Chlorophenol	128	7.414	7.414	(0.966)	594408	25.0000	23.41
	7 1,3-Dichlorobenzene	146	7.614	7.614	(0.992)	684522	25.0000	23.73
*	8 1,4-Dichlorobenzene-d4	152	7.678	7.678	(1.000)	386792	20.0000	
	9 1,4-Dichlorobenzene	146	7.702	7.702	(1.003)	687062	25.0000	23.58
$	10 1,2-Dichlorobenzene-d4	152	7.972	7.972	(1.038)	370274	25.0000	22.44
	12 1,2-Dichlorobenzene	146	7.996	7.996	(1.041)	628374	25.0000	23.16
	11 Benzyl alcohol	108	7.984	7.984	(1.040)	294081	25.0000	19.45(M)
	14 2,2'-oxybis(1-Chloropropane)	45	8.230	8.230	(1.072)	478269	25.0000	25.57
	13 2-Methylphenol	108	8.236	8.236	(1.073)	499773	25.0000	24.52
	17 Hexachloroethane	117	8.477	8.477	(1.104)	245675	25.0000	22.77
	16 N-Nitroso-di-n-propylamine	70	8.454	8.454	(1.101)	332487	25.0000	23.83
	15 4-Methylphenol	108	8.471	8.471	(1.103)	506961	25.0000	23.96
$	18 Nitrobenzene-d5	82	8.612	8.612	(0.886)	503341	25.0000	24.05
	19 Nitrobenzene	77	8.642	8.642	(0.889)	495422	25.0000	23.91
	20 Isophorone	82	9.024	9.024	(0.928)	829916	25.0000	24.11
	21 2-Nitrophenol	139	9.159	9.159	(0.942)	338532	25.0000	26.15
	22 2,4-Dimethylphenol	107	9.300	9.300	(0.956)	536232	25.0000	23.26
	23 Bis(2-Chloroethoxy)methane	93	9.429	9.429	(0.970)	603320	25.0000	25.15
	24 Benzoic acid	105	9.587	9.587	(0.986)	759148	50.0000	40.95
	25 2,4-Dichlorophenol	162	9.558	9.558	(0.983)	481547	25.0000	23.78
	26 1,2,4-Trichlorobenzene	180	9.670	9.670	(0.995)	515687	25.0000	22.86
*	27 Naphthalene-d8	136	9.723	9.723	(1.000)	1352410	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.752	9.752	(1.003)	1556095	25.0000	24.25
	29 4-Chloroaniline	127	9.905	9.905	(1.019)	626764	25.0000	24.50
	30 Hexachlorobutadiene	225	10.069	10.069	(1.036)	270714	25.0000	21.16
	31 4-Chloro-3-methylphenol	107	10.745	10.745	(1.105)	476071	25.0000	25.63
	32 2-Methylnaphthalene	142	10.868	10.868	(1.118)	1032322	25.0000	23.67
	33 Hexachlorocyclopentadiene	237	11.244	11.244	(0.895)	162656	25.0000	13.23
	34 2,4,6-Trichlorophenol	196	11.391	11.391	(0.906)	356271	25.0000	23.56
	35 2,4,5-Trichlorophenol	196	11.456	11.456	(0.912)	369668	25.0000	24.01
$	36 2-Fluorobiphenyl	172	11.514	11.514	(0.916)	1162330	25.0000	22.59
	37 2-Chloronaphthalene	162	11.638	11.638	(0.926)	1053851	25.0000	23.07
	38 2-Nitroaniline	65	11.884	11.884	(0.946)	246181	25.0000	27.91
	39 Dimethylphthalate	163	12.260	12.260	(0.976)	1226765	25.0000	22.86
	40 Acenaphthylene	152	12.313	12.313	(0.980)	1727764	25.0000	25.07
	41 2,6-Dinitrotoluene	165	12.354	12.354	(0.983)	295432	25.0000	24.46
*	42 Acenaphthene-d10	164	12.566	12.566	(1.000)	840037	20.0000	
	43 3-Nitroaniline	138	12.566	12.566	(1.000)	257167	25.0000	24.15
	44 Acenaphthene	153	12.613	12.613	(1.004)	1082852	25.0000	24.13
	45 2,4-Dinitrophenol	184	12.736	12.736	(1.014)	346013	50.0000	48.78
	46 Dibenzofuran	168	12.877	12.877	(1.025)	1452737	25.0000	24.29
	47 4-Nitrophenol	109	12.924	12.924	(1.028)	138949	25.0000	18.46
	48 2,4-Dinitrotoluene	165	12.977	12.977	(1.033)	395760	25.0000	24.85
	50 Diethylphthalate	149	13.412	13.412	(1.067)	1181473	25.0000	21.28
	49 Fluorene	166	13.429	13.429	(1.069)	1217820	25.0000	23.53
	51 4-Chlorophenyl-phenylether	204	13.459	13.459	(1.071)	571965	25.0000	22.79
	52 4-Nitroaniline	138	13.559	13.559	(1.079)	289447	25.0000	25.09
	53 4,6-Dinitro-2-methylphenol	198	13.641	13.641	(0.914)	456921	50.0000	47.88
	54 N-Nitrosodiphenylamine	169	13.676	13.676	(0.916)	874442	25.0000	22.41
$	55 2,4,6-Tribromophenol	330	13.852	13.852	(1.102)	132048	25.0000	21.98
	56 4-Bromophenyl-phenylether	248	14.234	14.234	(0.954)	318439	25.0000	22.52
	57 Hexachlorobenzene	284	14.451	14.451	(0.968)	327430	25.0000	22.61
	58 Pentachlorophenol	266	14.757	14.757	(0.989)	164617	25.0000	16.68
*	59 Phenanthrene-d10	188	14.927	14.927	(1.000)	1383202	20.0000	
	60 Phenanthrene	178	14.963	14.963	(1.002)	1614786	25.0000	22.54
	61 Anthracene	178	15.033	15.033	(1.007)	1683120	25.0000	22.96
	62 Carbazole	167	15.327	15.327	(1.027)	1595262	25.0000	23.95
	63 Di-n-butylphthalate	149	16.049	16.049	(1.075)	2031400	25.0000	23.92
	64 Fluoranthene	202	16.889	16.889	(1.131)	1740356	25.0000	23.44
	65 Pyrene	202	17.236	17.236	(0.897)	1786977	25.0000	24.26
$	66 Terphenyl-d14	244	17.565	17.565	(0.914)	1056811	25.0000	23.50
	67 Butylbenzylphthalate	149	18.452	18.452	(0.960)	924578	25.0000	24.73
	68 Benzo(a)anthracene	228	19.192	19.192	(0.998)	1626387	25.0000	23.88
*	69 Chrysene-d12	240	19.221	19.221	(1.000)	1161620	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.210	19.210	(0.999)	586434	25.0000	26.63
	71 Chrysene	228	19.263	19.263	(1.002)	1590308	25.0000	23.86
	72 bis(2-Ethylhexyl)phthalate	149	19.456	19.456	(0.954)	1253377	25.0000	24.07
*	134 Di-n-octylphthalate-d4	153	20.385	20.385	(1.000)	1834295	20.0000	
	73 Di-n-octylphthalate	149	20.396	20.396	(1.001)	2110188	25.0000	23.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.843	20.843	(0.976)	1767693	25.0000	22.59
75	Benzo(k)fluoranthene	252	20.878	20.878	(0.977)	1831875	25.0000	23.11
187	Total Benzofluoranthenes	252	20.878	20.878	(0.977)	3382596	50.0000	45.60
76	Benzo(a)pyrene	252	21.289	21.289	(0.996)	1625899	25.0000	23.42
* 77	Perylene-d12	264	21.366	21.366	(1.000)	1257185	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.770	22.770	(1.066)	1776414	25.0000	23.83
79	Dibenzo(a,h)anthracene	278	22.793	22.793	(1.067)	1460623	25.0000	24.38
80	Benzo(g,h,i)perylene	276	23.134	23.134	(1.083)	1469392	25.0000	23.06
90	N-Nitrosodimethylamine	74	2.873	2.873	(0.374)	296567	25.0000	26.32
103	Pyridine	79	2.844	2.844	(0.370)	527006	25.0000	27.12
91	Aniline	93	7.238	7.238	(0.943)	658823	25.0000	23.66
105	1-methylnaphthalene	142	11.038	11.038	(1.135)	1030493	25.0000	24.12

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191001.d
Lab Smp Id: CC0819
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: CC0819
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	356478	178239	712956	386792	8.50
27 Naphthalene-d8	1293412	646706	2586824	1352410	4.56
42 Acenaphthene-d10	785897	392948	1571794	840037	6.89
59 Phenanthrene-d10	1313990	656995	2627980	1383202	5.27
69 Chrysene-d12	1155293	577646	2310586	1161620	0.55
134 Di-n-octylphthala	1825297	912648	3650594	1834295	0.49
77 Perylene-d12	1146289	573144	2292578	1257185	9.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.68	7.18	8.18	7.68	0.00
27 Naphthalene-d8	9.72	9.22	10.22	9.72	0.00
42 Acenaphthene-d10	12.57	12.07	13.07	12.57	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.22	18.72	19.72	19.22	0.00
134 Di-n-octylphthala	20.38	19.88	20.88	20.38	0.00
77 Perylene-d12	21.37	20.87	21.87	21.37	0.00

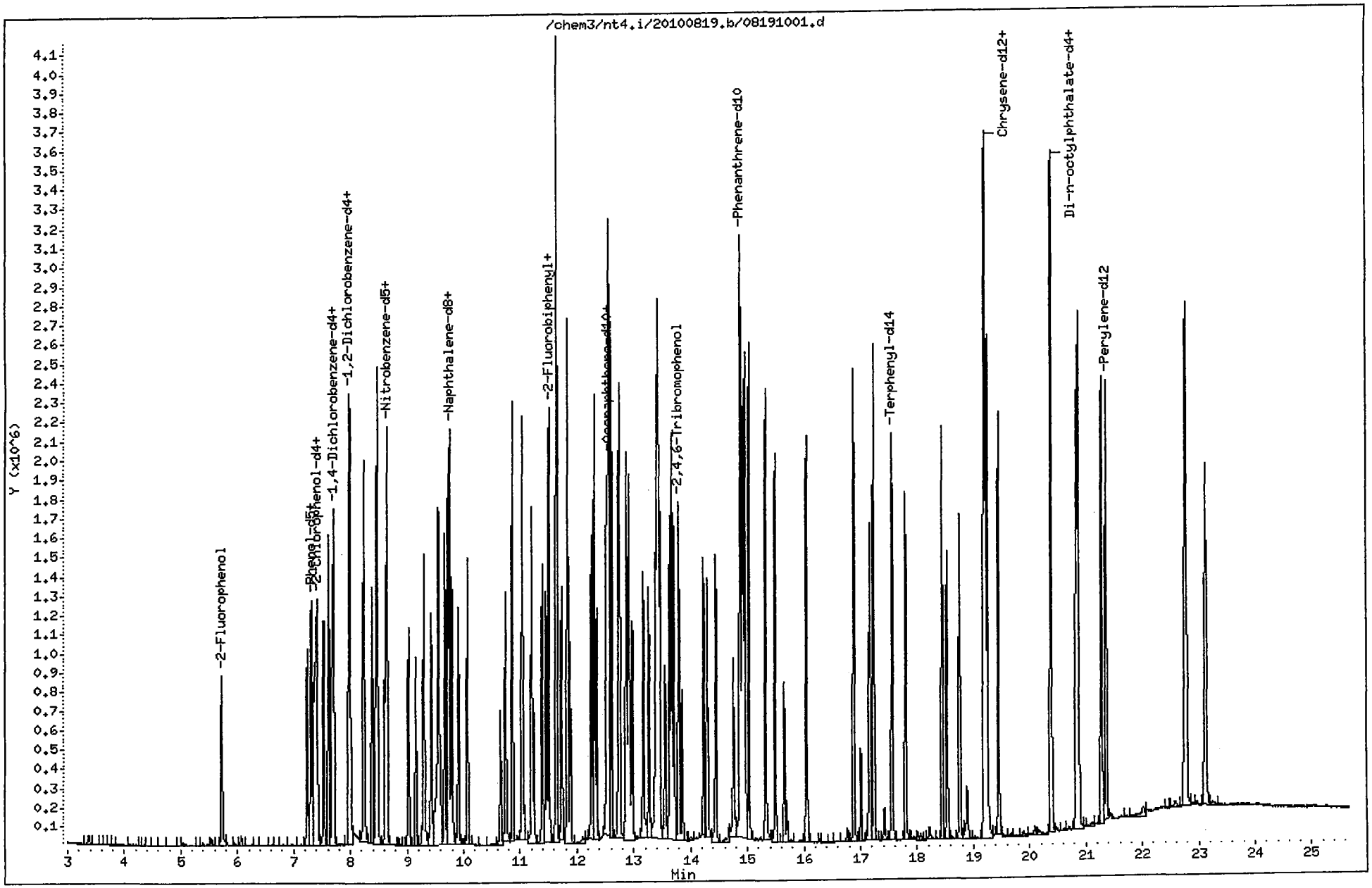
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20100819.b/08191001.d
Date : 19-AUG-2010 13:40
Client ID: CC0819
Sample Info: CC0819,

Instrument: nt4.i

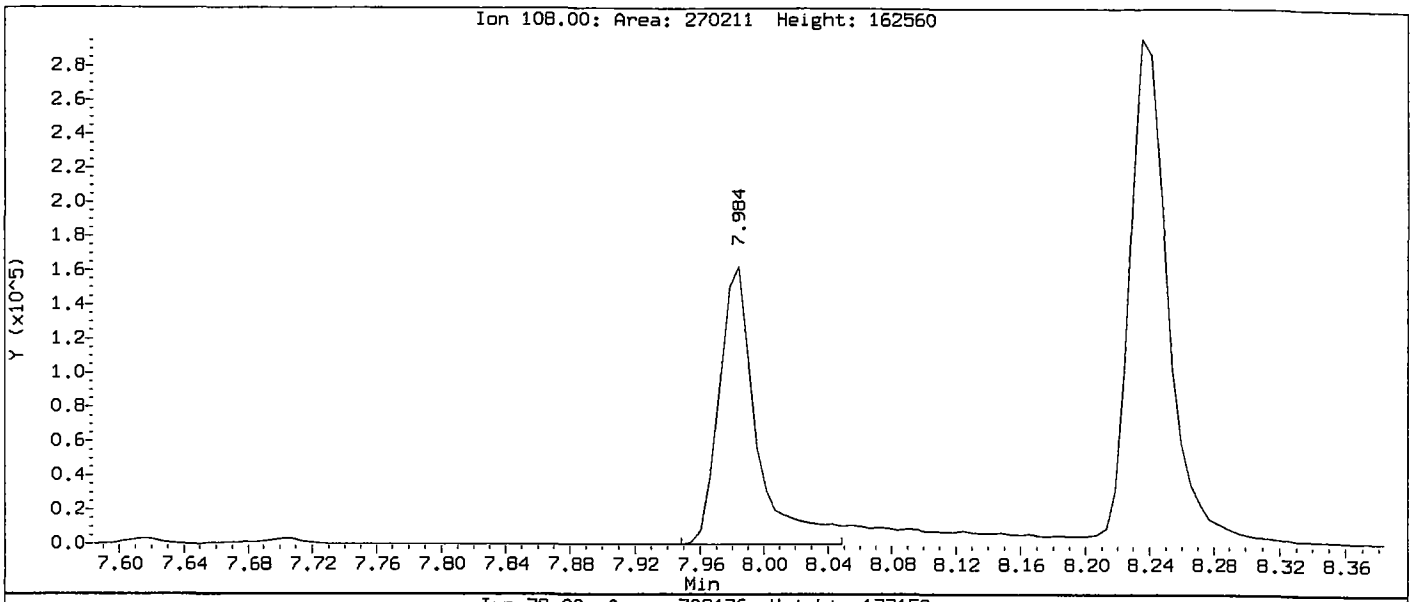
Operator: JZ
Column diameter: 0.32

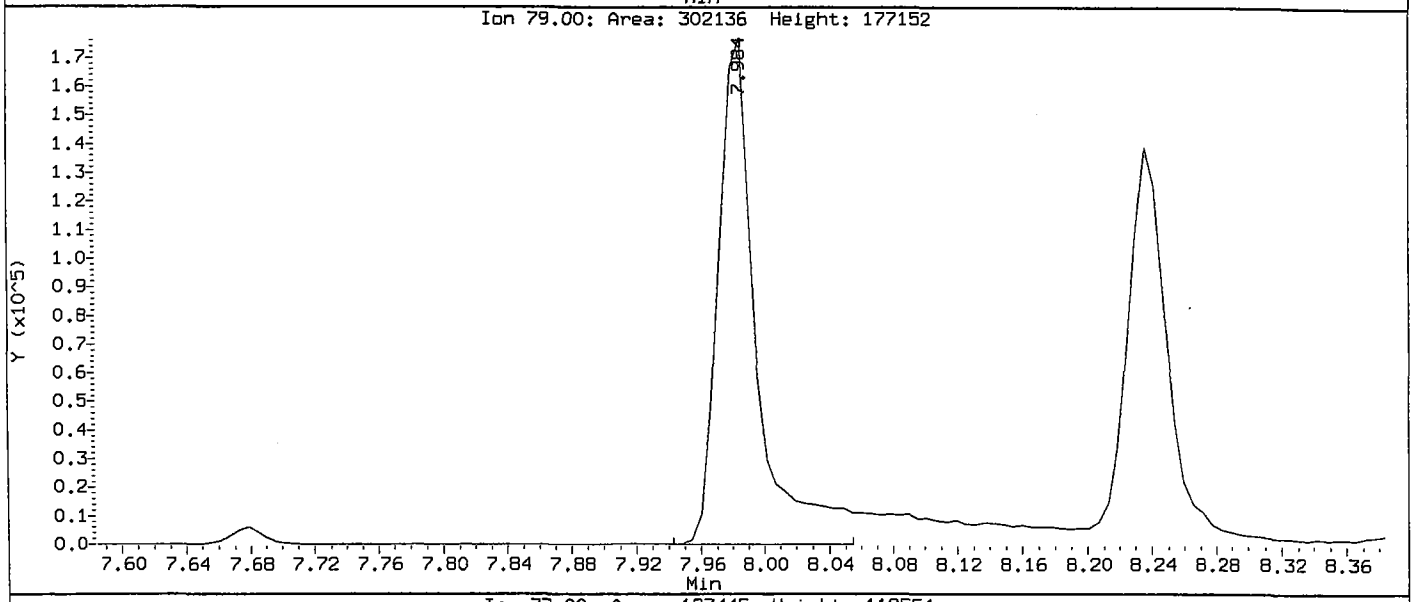
Column phase: ZB-5msi

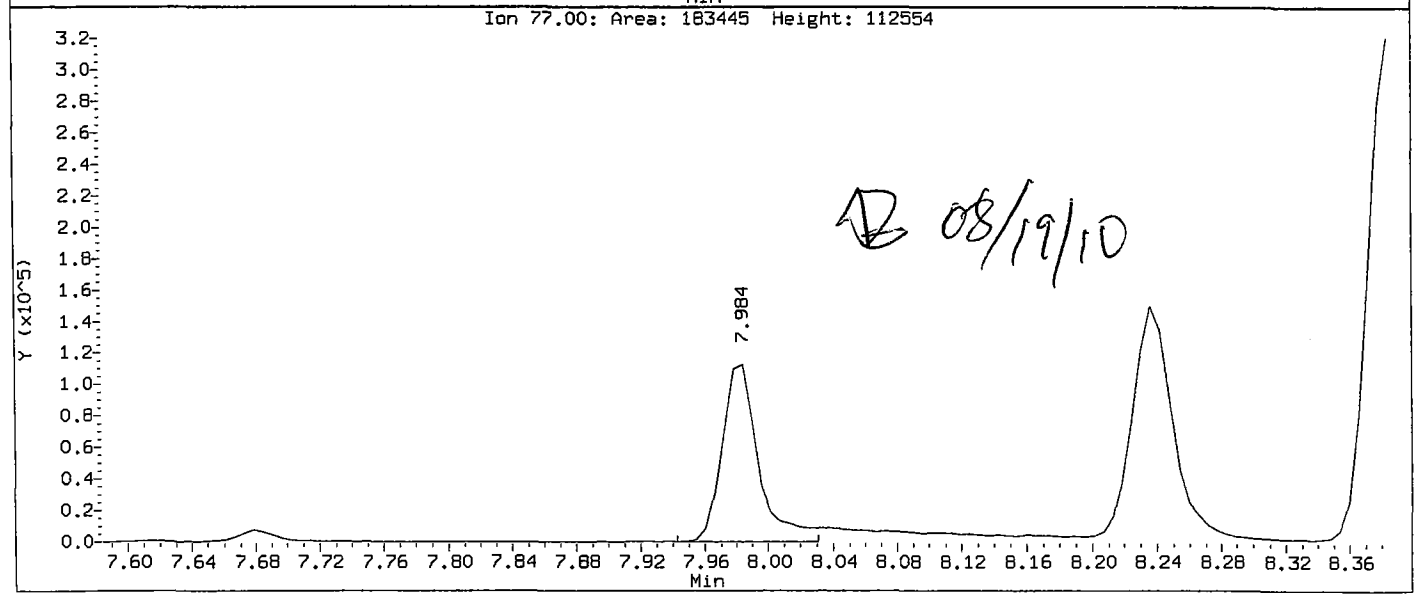


Data File: /chem3/nt4.i/20100819.b/08191001.d
Injection Date: 19-AUG-2010 13:40
Instrument: nt4.i
Client Sample ID: CC0819

Compound: Benzyl alcohol
CAS Number: 100-51-6



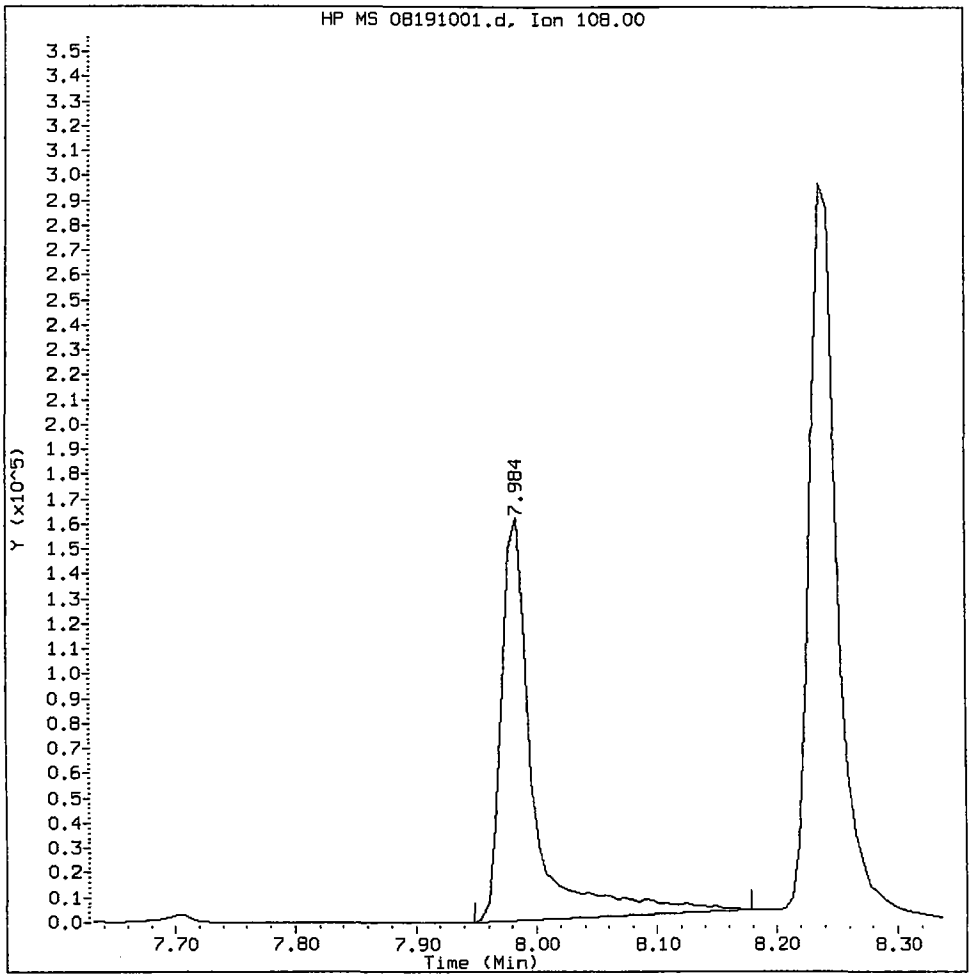




D 08/19/10

CC0819, /chem3/nt4.i/20100819.b/08191001.d

Benzyl alcohol Amount: 19.45 Area: 294081



MANUAL INTEGRATION for Benzyl alcohol

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

5. Other _____

Analyst: AR Date: 08/19/10

Data File: /chem3/nt4.i/20100819.b/tune.b/08191001.d

Date : 19-AUG-2010 13:40

Client ID: DFTPP0819

Instrument: nt4.i

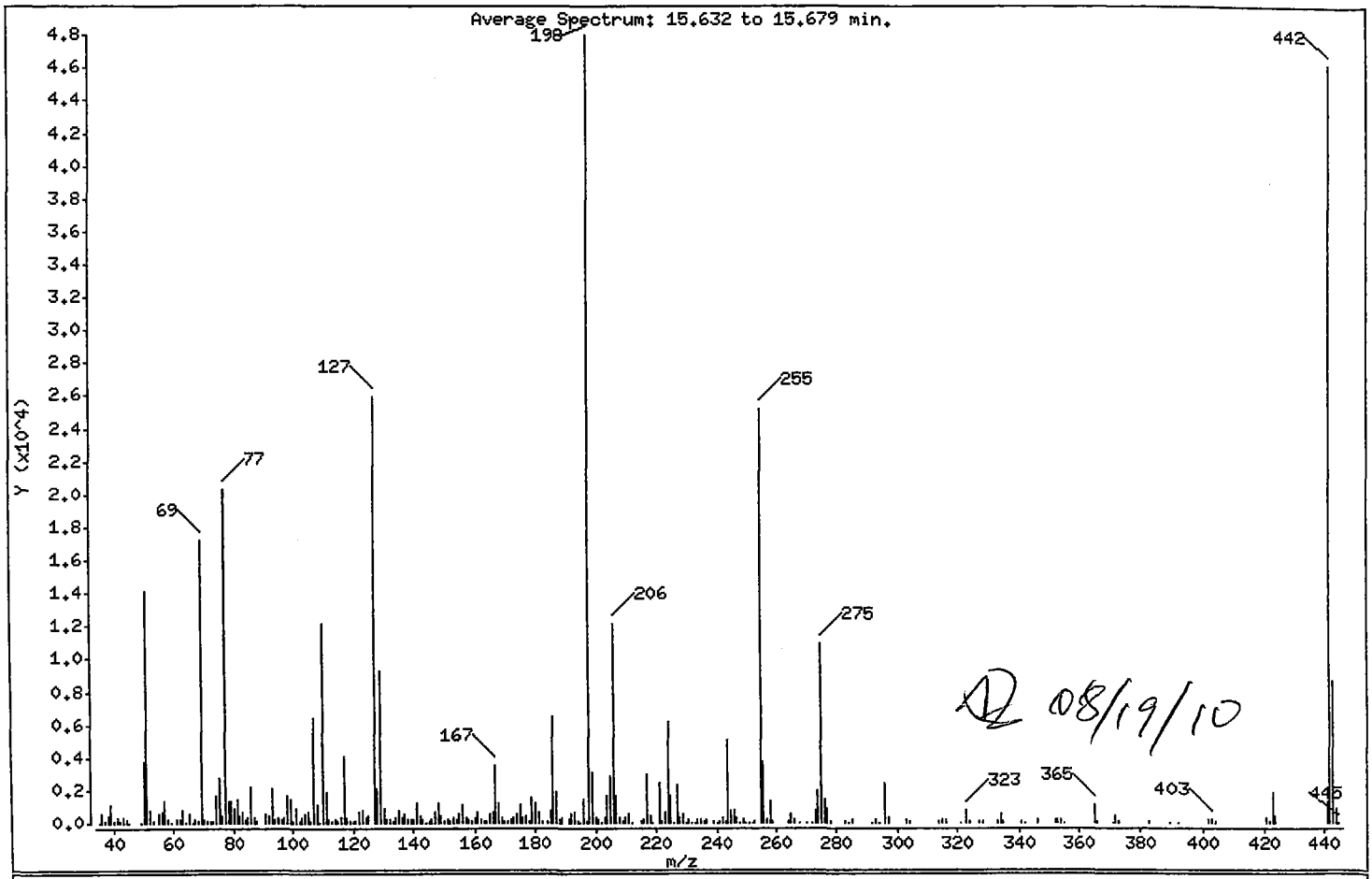
Sample Info: DFTPP0819,

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	29.44
68	Less than 2.00% of mass 69	0.12 (0.34)
69	Mass 69 relative abundance	35.77
70	Less than 2.00% of mass 69	0.52 (1.46)
127	10.00 - 80.00% of mass 198	53.99
197	Less than 2.00% of mass 198	0.22
199	5.00 - 9.00% of mass 198	6.52
275	10.00 - 60.00% of mass 198	22.81
365	Greater than 1.00% of mass 198	2.32
441	0.01 - 24.00% of mass 442	2.79 (2.89)
442	50.00 - 200.00% of mass 198	96.41
443	15.00 - 24.00% of mass 442	18.16 (18.84)

Data File: /chem3/nt4.i/20100819.b/tune.b/08191001.d

Date : 19-AUG-2010 13:40

Client ID: DFTPP0819

Instrument: nt4.i

Sample Info: DFTPP0819,

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: 08191001.d
Spectrum: Average Spectrum: 15.632 to 15.679 min.
Location of Maximum: 198.00
Number of points: 270

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	23	110.00	12185	179.00	1567	253.00	123
36.00	583	111.00	1878	180.00	1215	255.00	25176
37.00	82	112.00	202	181.00	619	256.00	3807
38.00	408	113.00	109	182.00	107	257.00	256
39.00	1133	114.00	174	184.00	151	258.00	1303
40.00	60	115.00	137	185.00	821	259.00	162
41.00	345	116.00	379	186.00	6544	264.00	69
42.00	111	117.00	4129	187.00	1896	265.00	523
43.00	342	118.00	356	188.00	217	266.00	180
44.00	219	119.00	56	189.00	312	268.00	20
45.00	18	120.00	76	191.00	213	270.00	45
49.00	50	121.00	111	192.00	550	272.00	18
50.00	3701	122.00	620	193.00	696	273.00	739
51.00	14138	123.00	775	194.00	112	274.00	1971
52.00	738	124.00	306	195.00	25	275.00	10957
53.00	109	125.00	395	196.00	1413	276.00	1384
55.00	554	127.00	25928	197.00	104	277.00	837
56.00	674	128.00	2065	198.00	48024	278.00	117
57.00	1285	129.00	9312	199.00	3133	283.00	72
58.00	199	130.00	919	200.00	338	284.00	17
59.00	21	131.00	243	201.00	275	285.00	184
61.00	196	132.00	190	202.00	22	292.00	23
62.00	274	133.00	85	203.00	329	293.00	236
63.00	726	134.00	314	204.00	1637	294.00	18
64.00	53	135.00	819	205.00	2906	296.00	2451
65.00	520	136.00	297	206.00	12099	297.00	346
66.00	21	137.00	500	207.00	1637	303.00	254
67.00	180	138.00	199	208.00	363	304.00	73
68.00	59	139.00	267	209.00	146	314.00	91
69.00	17176	140.00	240	210.00	280	315.00	274
70.00	250	141.00	1168	211.00	507	316.00	196
71.00	150	142.00	440	212.00	18	321.00	45
72.00	62	143.00	231	215.00	112	323.00	816
73.00	154	144.00	41	216.00	250	324.00	154
74.00	1694	145.00	82	217.00	2960	327.00	157

Data File: /chem3/nt4.i/20100819.b/tune.b/08191001.d

Date : 19-AUG-2010 13:40

Client ID: DFTPP0819

Instrument: nt4.i

Sample Info: DFTPP0819,

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: 08191001.d
Spectrum: Average Spectrum: 15.632 to 15.679 min.
Location of Maximum: 198.00
Number of points: 270

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	2708	146.00	242	218.00	437	328.00	58
76.00	393	147.00	655	219.00	52	333.00	64
77.00	20328	148.00	1223	221.00	2479	334.00	522
78.00	1366	149.00	389	222.00	84	335.00	142
79.00	1276	150.00	78	223.00	622	341.00	77
80.00	860	151.00	221	224.00	6232	342.00	21
81.00	1441	152.00	158	225.00	1607	346.00	171
82.00	486	153.00	365	226.00	17	352.00	261
83.00	662	154.00	272	227.00	2328	353.00	180
84.00	236	155.00	589	228.00	351	354.00	262
85.00	325	156.00	1093	229.00	500	355.00	17
86.00	2193	157.00	309	230.00	50	365.00	1112
87.00	345	158.00	188	231.00	218	366.00	125
88.00	88	159.00	139	232.00	27	371.00	35
91.00	520	160.00	369	233.00	18	372.00	480
92.00	450	161.00	626	234.00	168	373.00	146
93.00	2069	162.00	176	235.00	182	383.00	90
94.00	246	163.00	66	236.00	83	390.00	18
95.00	285	164.00	71	237.00	206	392.00	17
96.00	211	165.00	507	239.00	82	402.00	190
97.00	289	166.00	694	240.00	19	403.00	239
98.00	1626	167.00	3535	241.00	116	404.00	65
99.00	1385	168.00	1171	242.00	318	421.00	285
100.00	132	169.00	304	243.00	165	422.00	158
101.00	920	170.00	103	244.00	5066	423.00	1854
102.00	101	171.00	148	245.00	763	424.00	411
103.00	318	172.00	225	246.00	794	441.00	1339
104.00	551	173.00	279	247.00	286	442.00	46304
105.00	635	174.00	556	248.00	38	443.00	8722
106.00	90	175.00	1060	249.00	171	444.00	912
107.00	6351	176.00	369	250.00	20	445.00	39
108.00	1073	177.00	437	251.00	17		
109.00	22	178.00	149	252.00	55		

Data File: /chem3/nt4.i/20100819.b/tune.b/08191001.d

Date : 19-AUG-2010 13:40

Client ID: DFTPP0819

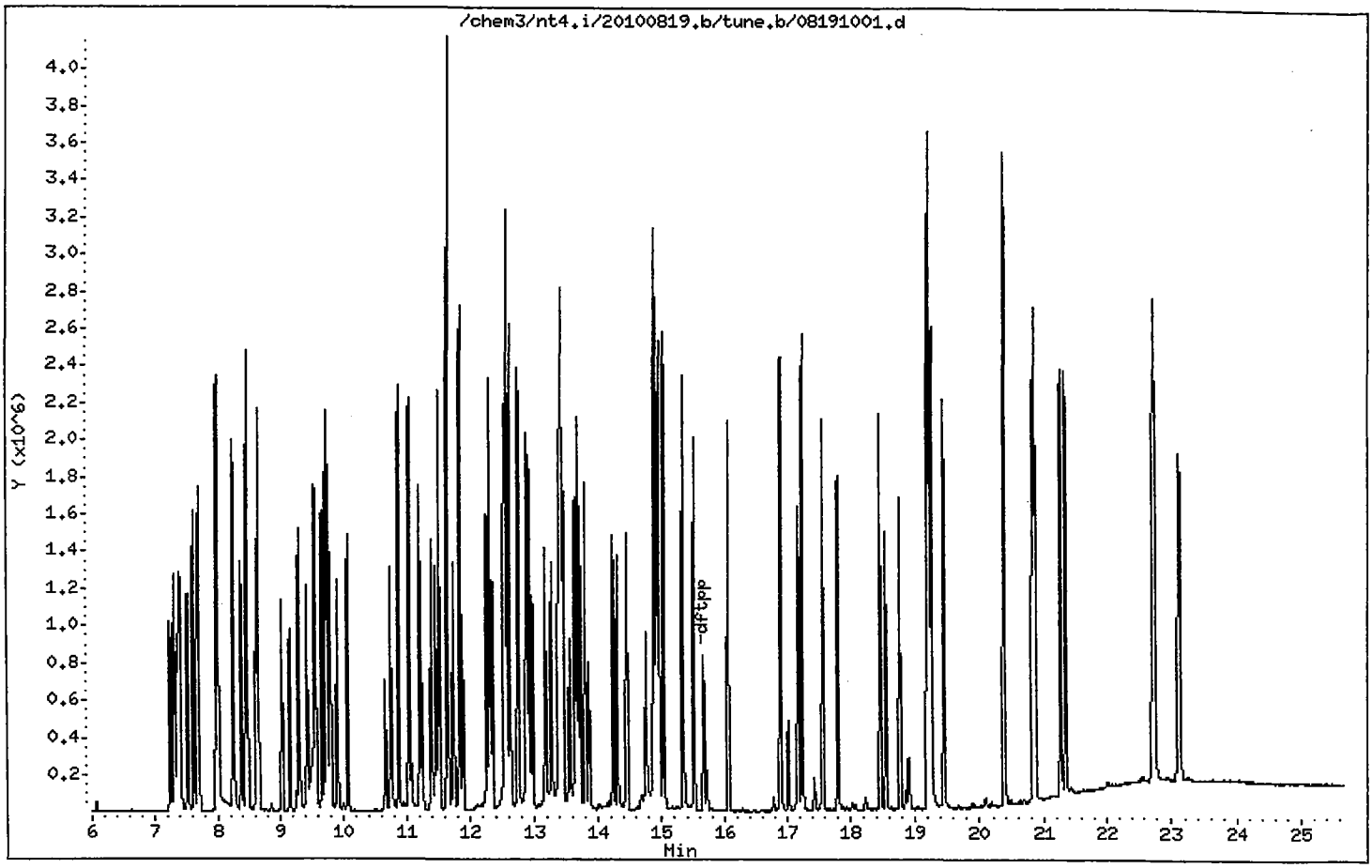
Instrument: nt4.i

Sample Info: DFTPP0819,

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt4.i/20100819.b/ddt.b/08191001.d ARI ID: CC0819
Method: /chem3/nt4.i/20100819.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 19-AUG-2010 13:40 Instrument: nt4.i

COMPOUND	RT	AREA
Pentachlorophenol	14.757	164617
Benzidine	12.736	346013
4,4'-DDE	----	----
4,4'-DDD	18.064	8986
4,4'-DDT	18.534	456413

$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

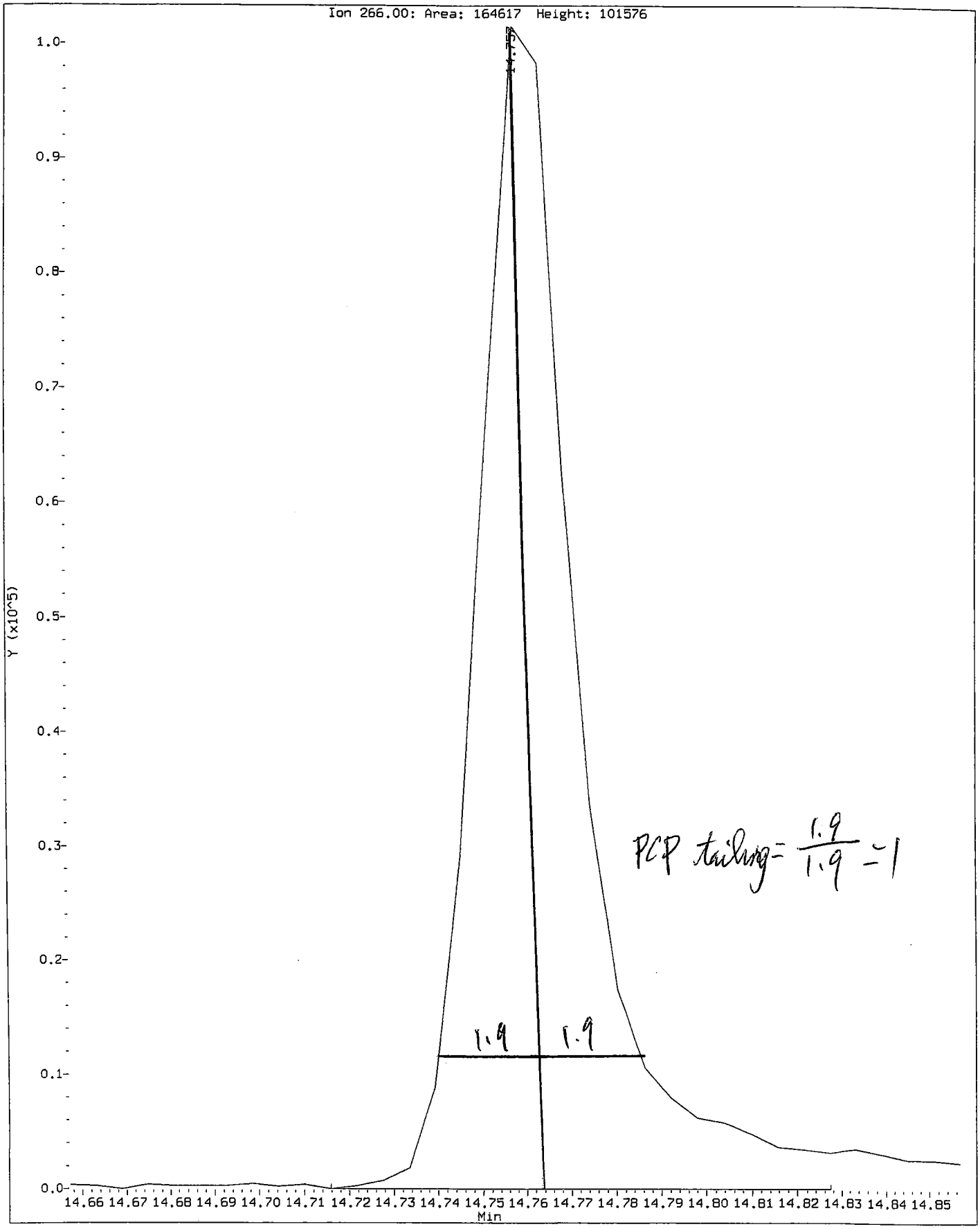
$$\text{DDT Percent Breakdown} = \frac{(0 + 8986) * 100}{(0 + 8986 + 456413)}$$

DDT Percent Breakdown = 1.9 % 0/9

08/19/10

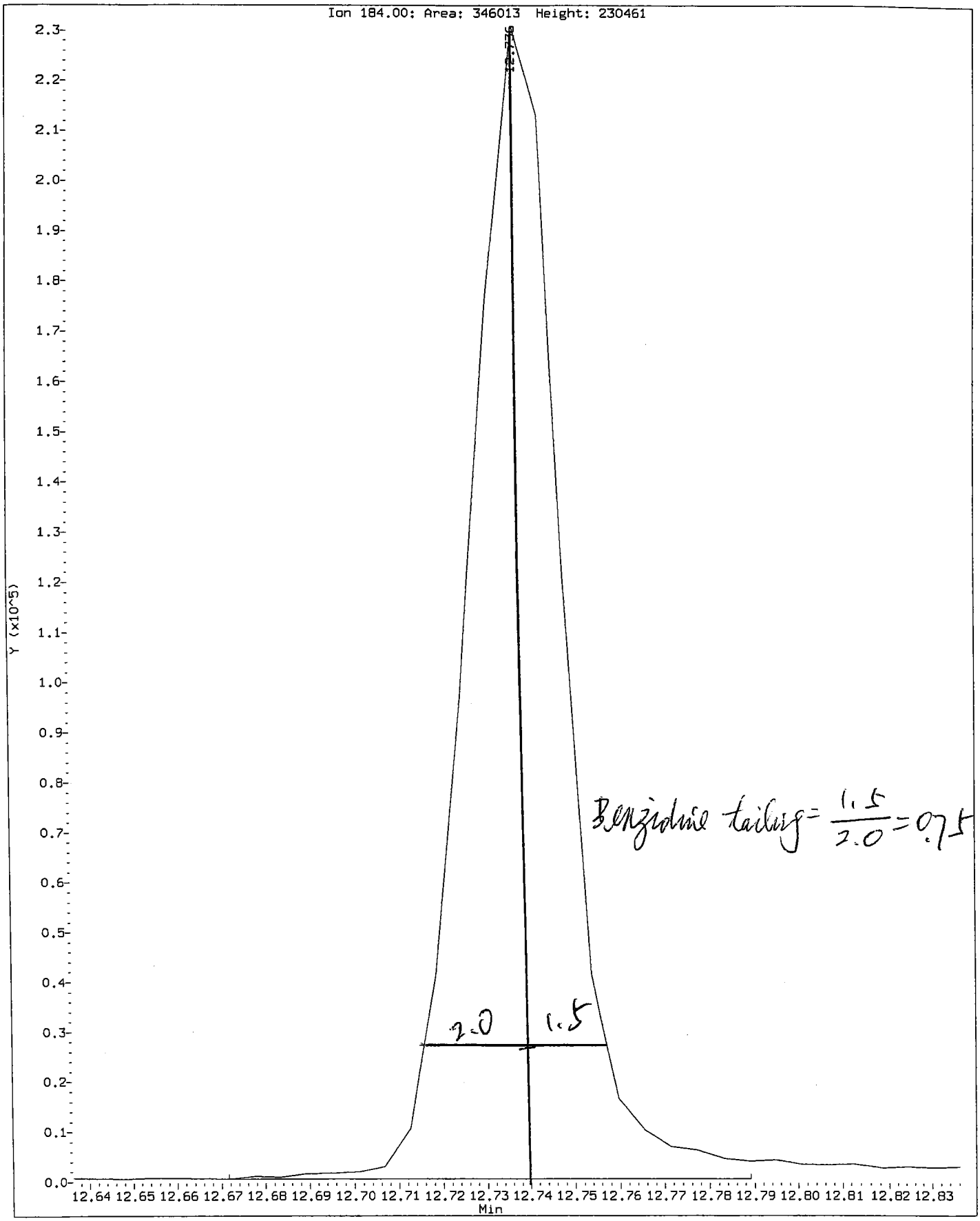
Data File: /chem3/nt4.i/20100819.b/ddt.b/08191001.d
Injection Date: 19-AUG-2010 13:40
Instrument: nt4.i
Client Sample ID: CC0819

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt4.i/20100819.b/ddt.b/08191001.d
Injection Date: 19-AUG-2010 13:40
Instrument: nt4.i
Client Sample ID: CC0819

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191005.d
Lab Smp Id: RG54MBS2 RG60MBS2 Client Smp ID: RG54MBS2
Inj Date : 19-AUG-2010 15:56
Operator : JZ Inst ID: nt4.i
Smp Info : RG54MBS2,
Misc Info : 10-18203 10-18280
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m
Meth Date : 20-Aug-2010 12:10 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JB 08/21/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.711	9.723	(1.000)	1015849	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	142	Compound Not Detected.					
105 1-methylnaphthalene	142	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.509	11.514	(0.916)	640949	16.8090	336.2
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.560	12.566	(1.000)	622493	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.916	14.927	(1.000)	1028403	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
Compounds								
$	66 Terphenyl-d14	244	17.560	17.565	(0.914)	808760	21.0761	421.5
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	19.210	19.221	(1.000)	991004	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	21.360	21.366	(1.000)	879245	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191005.d
Lab Smp Id: RG54MBS2
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18203

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: RG54MBS2
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	1293412	646706	2586824	1015849	-21.46
42 Acenaphthene-d10	785897	392948	1571794	622493	-20.79
59 Phenanthrene-d10	1313990	656995	2627980	1028403	-21.73
69 Chrysene-d12	1155293	577646	2310586	991004	-14.22
77 Perylene-d12	1146289	573144	2292578	879245	-23.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.71	-0.12
42 Acenaphthene-d10	12.57	12.07	13.07	12.56	-0.04
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.08
69 Chrysene-d12	19.22	18.72	19.72	19.21	-0.06
77 Perylene-d12	21.37	20.87	21.87	21.36	-0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG54
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG54MBS2
Client Smp ID: RG54MBS2
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: BLANK
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18203

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	500.0	336.2	67.24	34-100
$ 66 Terphenyl-d14	500.0	421.5	84.30	35-112

Data File: /chem3/nt4.i/20100819.b/08191005.d

Date : 19-AUG-2010 15:56

Client ID: RG54MBS2

Sample Info: RG54MBS2,

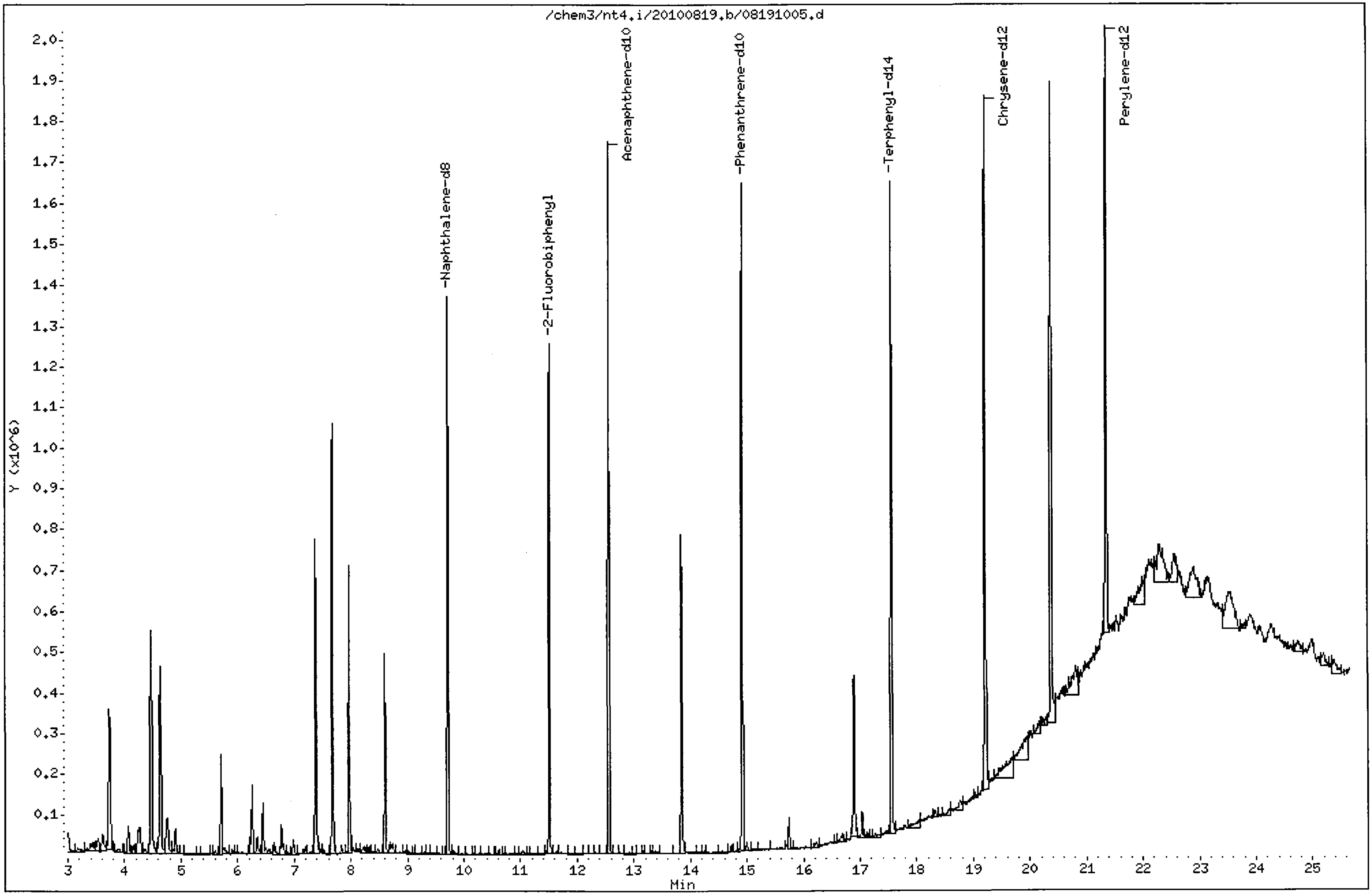
Volume Injected (uL): 1.0

Column phase: ZB-5msi

Instrument: nt4.i

Operator: JZ

Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191006.d
Lab Smp Id: RG54LCSS2 RG54LCSS2 Client Smp ID: RG54LCSS2
Inj Date : 19-AUG-2010 16:30
Operator : JZ Inst ID: nt4.i
Smp Info : RG54LCSS2,
Misc Info : 10-18203 10-18280
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m 08/20/10
Meth Date : 20-Aug-2010 12:08 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.716	9.723	(1.000)	1100384	20.0000	
28 Naphthalene	128	9.746	9.752	(1.003)	607096	11.6275	232.5
32 2-Methylnaphthalene	142	10.862	10.868	(1.118)	432097	12.1776	243.6
105 1-methylnaphthalene	142	11.032	11.038	(1.135)	424706	12.2186	244.4
$ 36 2-Fluorobiphenyl	172	11.508	11.514	(0.916)	568693	13.9746	279.5
40 Acenaphthylene	152	12.307	12.313	(0.980)	725615	13.3137	266.3
* 42 Acenaphthene-d10	164	12.560	12.566	(1.000)	664342	20.0000	
44 Acenaphthene	153	12.607	12.613	(1.004)	456271	12.8584	257.2
46 Dibenzofuran	168	12.871	12.877	(1.025)	704149	14.8870	297.7
49 Fluorene	166	13.423	13.429	(1.069)	604229	14.7644	295.3
* 59 Phenanthrene-d10	188	14.921	14.927	(1.000)	1115640	20.0000	
60 Phenanthrene	178	14.956	14.963	(1.002)	957390	16.5655	331.3
61 Anthracene	178	15.027	15.033	(1.007)	966742	16.3516	327.0
64 Fluoranthene	202	16.883	16.889	(1.131)	1136633	18.9817	379.6
65 Pyrene	202	17.230	17.236	(0.897)	1179788	17.7495	355.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.559	17.565	(0.914)	823195	20.2808	405.6
	68 Benzo(a)anthracene	228	19.186	19.192	(0.998)	1131229	18.4099	368.2
*	69 Chrysene-d12	240	19.215	19.221	(1.000)	1048244	20.0000	
	71 Chrysene	228	19.251	19.263	(1.002)	1086597	18.0675	361.4
	187 Total Benzofluoranthenes	252	20.872	20.878	(0.977)	2195522	39.7721	795.4
	76 Benzo(a)pyrene	252	21.283	21.289	(0.996)	870747	16.8576	337.2
*	77 Perylene-d12	264	21.365	21.366	(1.000)	935470	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.758	22.770	(1.065)	733421	13.2233	264.5
	79 Dibenzo(a,h)anthracene	278	22.781	22.793	(1.066)	601614	13.4926	269.9
	80 Benzo(g,h,i)perylene	276	23.122	23.134	(1.082)	547854	11.5555	231.1

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191006.d
Lab Smp Id: RG54LCSS2
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18203

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: RG54LCSS2
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	1293412	646706	2586824	1100384	-14.92
42 Acenaphthene-d10	785897	392948	1571794	664342	-15.47
59 Phenanthrene-d10	1313990	656995	2627980	1115640	-15.10
69 Chrysene-d12	1155293	577646	2310586	1048244	-9.27
77 Perylene-d12	1146289	573144	2292578	935470	-18.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.72	-0.06
42 Acenaphthene-d10	12.57	12.07	13.07	12.56	-0.05
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.04
69 Chrysene-d12	19.22	18.72	19.72	19.22	-0.03
77 Perylene-d12	21.37	20.87	21.87	21.37	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: RG54LCSS2
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18203

Client SDG: RG54
Fraction: SV
Client Smp ID: RG54LCSS2
Operator: JZ
SampleType: LCS
Quant Type: ISTD

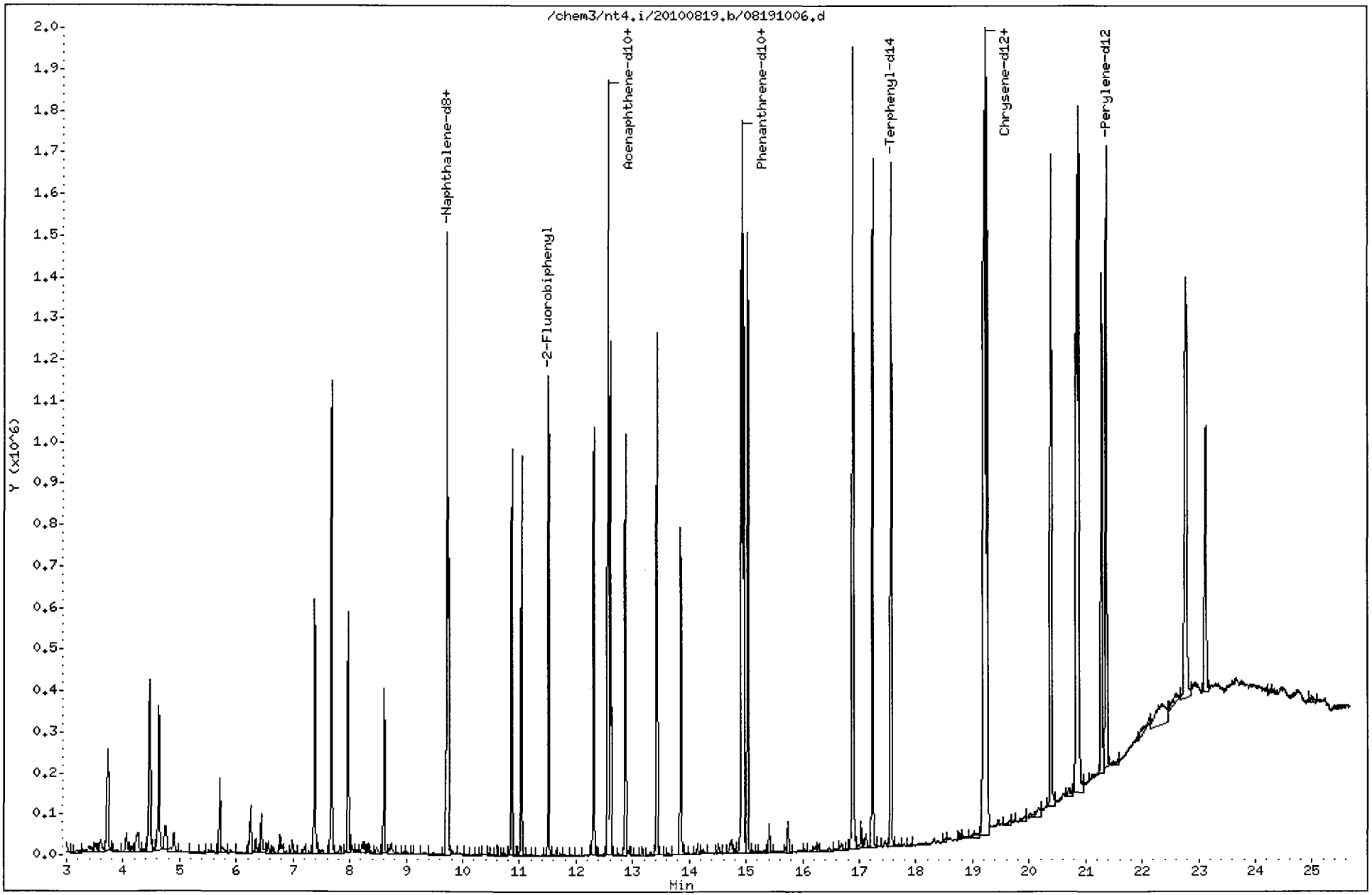
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
28 Naphthalene	500.0	232.5	46.51	37-100
32 2-Methylnaphthalen	500.0	243.6	48.71	43-101
105 1-methylnaphthalen	500.0	244.4	48.87	39-100
40 Acenaphthylene	500.0	266.3	53.25	44-100
44 Acenaphthene	500.0	257.2	51.43	41-100
46 Dibenzofuran	500.0	297.7	59.55	44-100
49 Fluorene	500.0	295.3	59.06	49-100
60 Phenanthrene	500.0	331.3	66.26	48-100
61 Anthracene	500.0	327.0	65.41	50-100
64 Fluoranthene	500.0	379.6	75.93	54-100
65 Pyrene	500.0	355.0	71.00	41-105
68 Benzo(a)anthracene	500.0	368.2	73.64	49-100
71 Chrysene	500.0	361.4	72.27	50-100
187 Total Benzofluoran	1000	795.4	79.54	30-160
76 Benzo(a)pyrene	500.0	337.2	67.43	50-100
78 Indeno(1,2,3-cd)py	500.0	264.5	52.89	33-101
79 Dibenzo(a,h)anthra	500.0	269.9	53.97	37-104
80 Benzo(g,h,i)peryle	500.0	231.1	46.22	33-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	500.0	279.5	55.90	34-100
$ 66 Terphenyl-d14	500.0	405.6	81.12	35-112

Data File: /chem3/nt4.i/20100819.b/08191006.d
Date : 19-AUG-2010 16:30
Client ID: RG54LCSS2
Sample Info: RG54LCSS2,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32



RG54LCSS2 : 08191006

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191008.d
Lab Smp Id: RG60ARE Client Smp ID: PSB13-0-0.5-072910
Inj Date : 19-AUG-2010 17:37
Operator : JZ Inst ID: nt4.i
Smp Info : RG60ARE
Misc Info : 10-18279
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m
Meth Date : 20-Aug-2010 12:10 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AZ 08/10/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	7.09000	Weight of sample extracted (g)
M	6.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.711	9.723	(1.000)	1244824	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	142	Compound Not Detected.					
105 1-methylnaphthalene	142	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.509	11.514	(0.916)	706623	15.2680	1148
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.560	12.566	(1.000)	755544	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.916	14.927	(1.000)	1241479	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.560	17.565	(0.914)	640475	14.4343	1085
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	19.210	19.221	(1.000)	1145912	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	21.360	21.366	(1.000)	970947	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191008.d
Lab Smp Id: RG60ARE
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18279

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: PSB13-0-0.5-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	1293412	646706	2586824	1244824	-3.76
42 Acenaphthene-d10	785897	392948	1571794	755544	-3.86
59 Phenanthrene-d10	1313990	656995	2627980	1241479	-5.52
69 Chrysene-d12	1155293	577646	2310586	1145912	-0.81
77 Perylene-d12	1146289	573144	2292578	970947	-15.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.71	-0.12
42 Acenaphthene-d10	12.57	12.07	13.07	12.56	-0.04
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.08
69 Chrysene-d12	19.22	18.72	19.72	19.21	-0.06
77 Perylene-d12	21.37	20.87	21.87	21.36	-0.03

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.

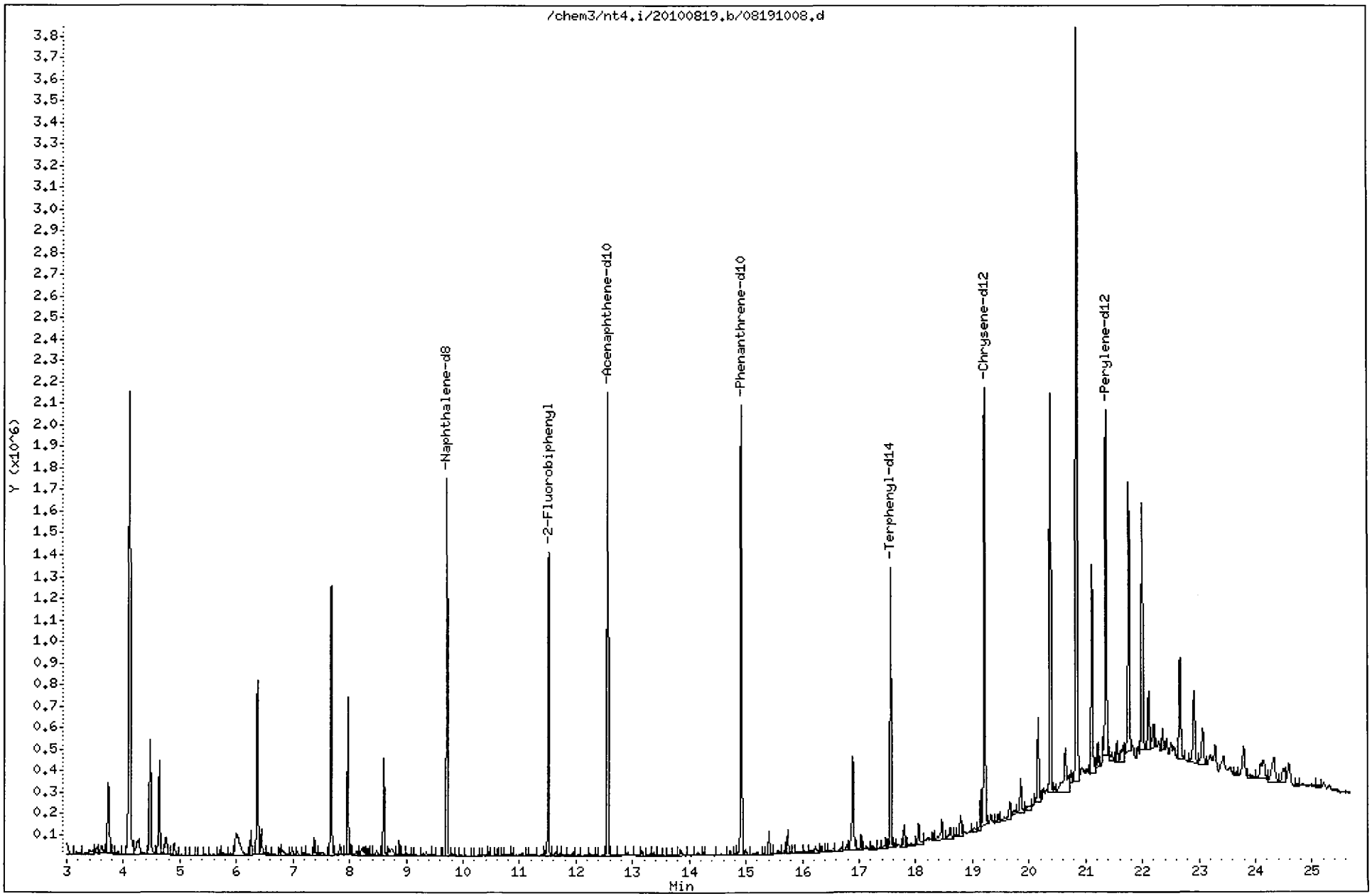
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60ARE
Client Smp ID: PSB13-0-0.5-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18279

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1880	1148	61.07	34-100
$ 66 Terphenyl-d14	1880	1085	57.74	35-112

Data File: /chem3/nt4.i/20100819.b/08191008.d
Date : 19-AUG-2010 17:37
Client ID: PSB13-0-0.5-072910
Sample Info: RG60ARE
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt4.i
Operator: JZ
Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191009.d
Lab Smp Id: RG60BRE Client Smp ID: PSB13-1.5-2-072910
Inj Date : 19-AUG-2010 18:11
Operator : JZ Inst ID: nt4.i
Smp Info : RG60BRE
Misc Info : 10-18280
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m
Meth Date : 20-Aug-2010 12:10 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/20/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	7.19000	Weight of sample extracted (g)
M	7.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.713	9.723	(1.000)	1233306	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	142	Compound Not Detected.					
	105 1-methylnaphthalene	142	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.505	11.514	(0.916)	720068	16.0625	1204
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.556	12.566	(1.000)	731833	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.918	14.927	(1.000)	1250218	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.561	17.565	(0.914)	828925	18.7915	1408
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	19.212	19.221	(1.000)	1139194	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	21.362	21.366	(1.000)	923017	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191009.d
Lab Smp Id: RG60BRE
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18280

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: PSB13-1.5-2-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	1293412	646706	2586824	1233306	-4.65
42 Acenaphthene-d10	785897	392948	1571794	731833	-6.88
59 Phenanthrene-d10	1313990	656995	2627980	1250218	-4.85
69 Chrysene-d12	1155293	577646	2310586	1139194	-1.39
77 Perylene-d12	1146289	573144	2292578	923017	-19.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.71	-0.10
42 Acenaphthene-d10	12.57	12.07	13.07	12.56	-0.07
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.06
69 Chrysene-d12	19.22	18.72	19.72	19.21	-0.05
77 Perylene-d12	21.37	20.87	21.87	21.36	-0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

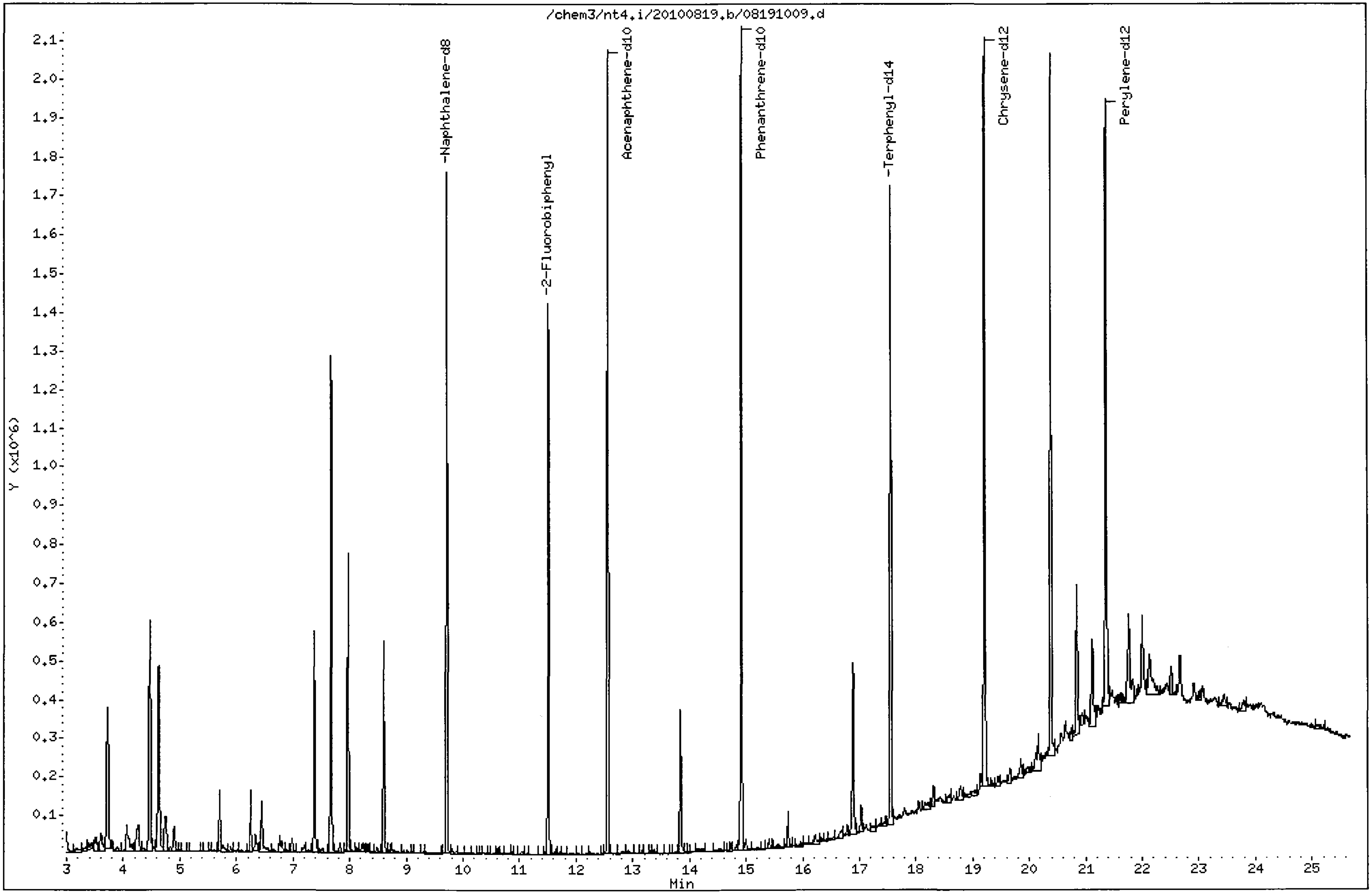
Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60BRE
Client Smp ID: PSB13-1.5-2-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18280

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1873	1204	64.25	34-100
$ 66 Terphenyl-d14	1873	1408	75.17	35-112

Data File: /chem3/nt4.i/20100819.b/08191009.d
Date : 19-AUG-2010 18:11
Client ID: PSB13-1.5-2-072910
Sample Info: RG60BRE
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt4.i

Operator: JZ
Column diameter: 0.32



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20100819.b/08191016.d
Lab Smp Id: RG60CRE Client Smp ID: PSB13-2-4-072910
Inj Date : 19-AUG-2010 22:15
Operator : JZ Inst ID: nt4.i
Smp Info : RG60CRE,5,
Misc Info : 10-18281
Comment : 1ul Injection
Method : /chem3/nt4.i/20100819.b/SW846100719.m
Meth Date : 20-Aug-2010 12:10 jianqing Quant Type: ISTD
Cal Date : 19-JUL-2010 19:48 Cal File: 07191007.d
Als bottle: 17
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/20/10

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	7.49000	Weight of sample extracted (g)
M	7.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.716	9.723	(1.000)	1889642	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	142	Compound Not Detected.					
105 1-methylnaphthalene	142	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.508	11.514	(0.916)	257759	3.67152	1326
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.559	12.566	(1.000)	1146096	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.921	14.927	(1.000)	1980045	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.558	17.565	(0.914)	241760	3.66106	1322
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	19.221	19.221	(1.000)	1705384	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	21.371	21.366	(1.000)	895198	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191016.d
Lab Smp Id: RG60CRE
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18281

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: PSB13-2-4-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	1293412	646706	2586824	1889642	46.10
42 Acenaphthene-d10	785897	392948	1571794	1146096	45.83
59 Phenanthrene-d10	1313990	656995	2627980	1980045	50.69
69 Chrysene-d12	1155293	577646	2310586	1705384	47.61
77 Perylene-d12	1146289	573144	2292578	895198	-21.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.72	-0.07
42 Acenaphthene-d10	12.57	12.07	13.07	12.56	-0.05
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.04
69 Chrysene-d12	19.22	18.72	19.72	19.22	0.00
77 Perylene-d12	21.37	20.87	21.87	21.37	0.02

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

Analytical Resources, Inc.

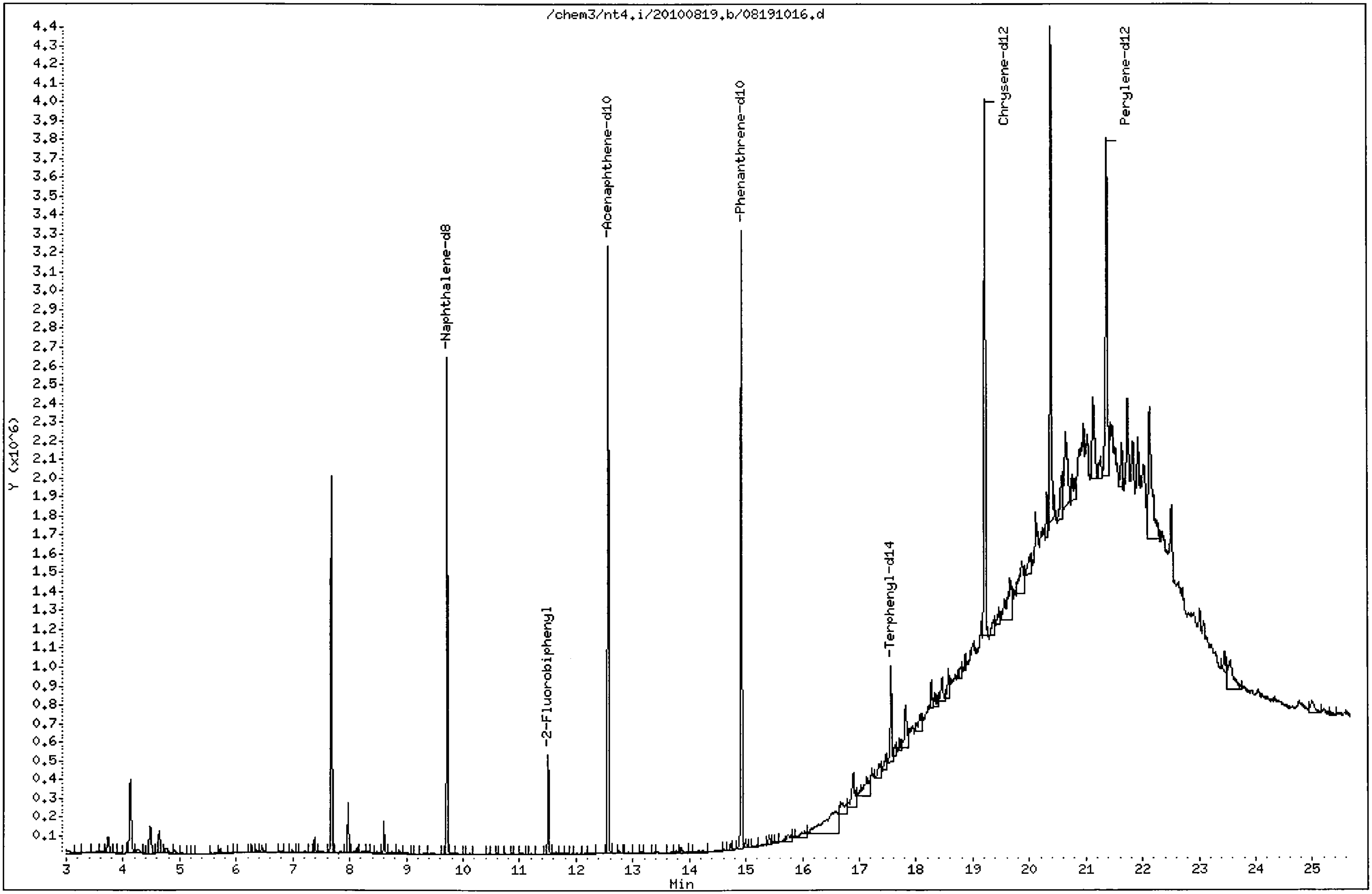
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG60
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG60CRE
Client Smp ID: PSB13-2-4-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18281

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1806	1326	73.43	34-100
$ 66 Terphenyl-d14	1806	1322	73.22	35-112

Data File: /chem3/nt4.i/20100819.b/08191016.d
Date : 19-AUG-2010 22:15
Client ID: PSB13-2-4-072910
Sample Info: RG60CRE,5,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt4.i
Operator: JZ
Column diameter: 0.32



Data File: /chem3/nt4.i/20100819.b/08191011.d

Date : 19-AUG-2010 19:18

Client ID: PSB15-13-15-073010

Sample Info: RG790,3 1X 1µl of 8C /R

Volume Injected (uL): 1.0

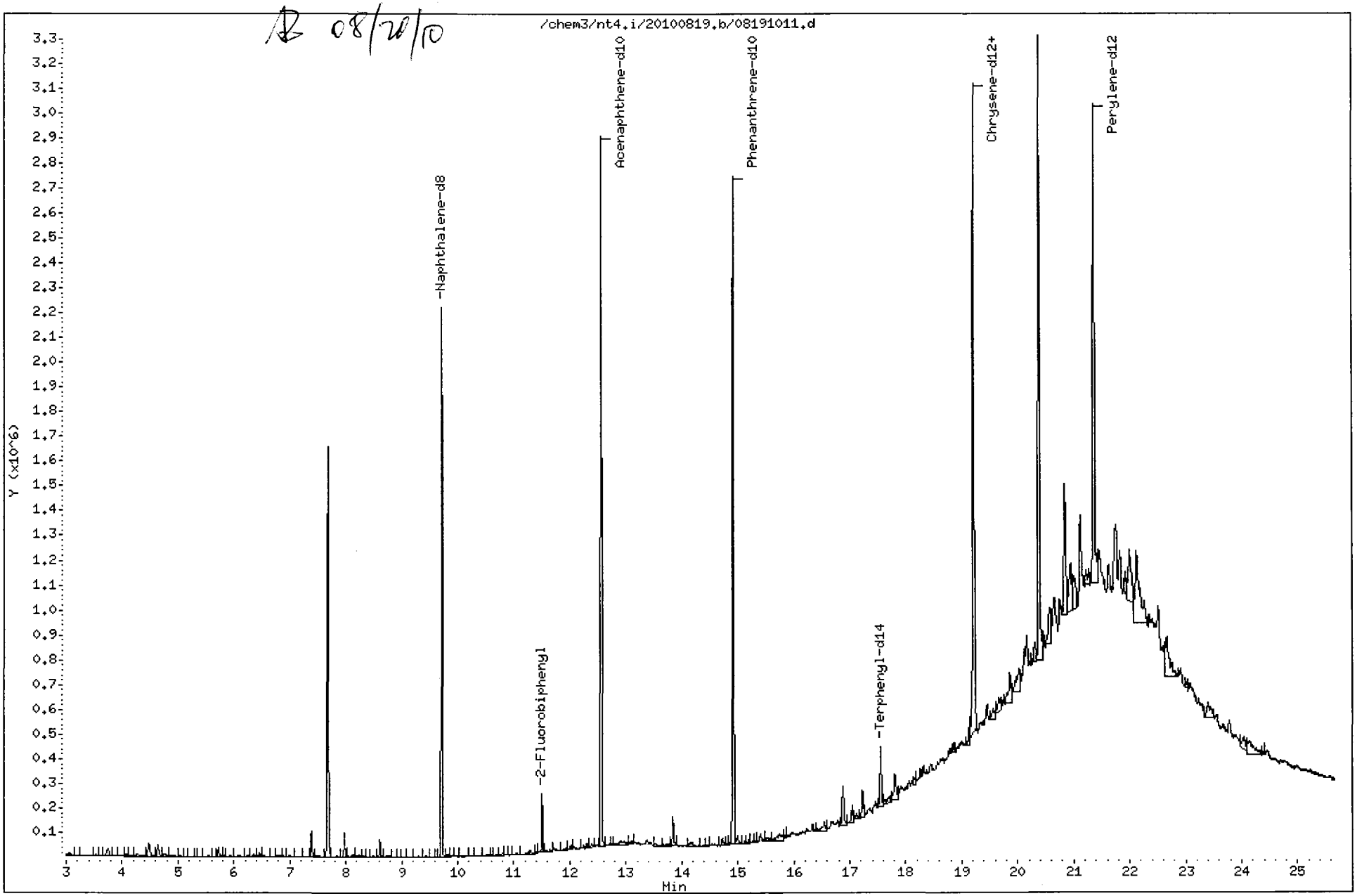
Column phase: ZB-5msi

Instrument: nt4.i

Operator: JZ

Column diameter: 0.32

RG790:006759



Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: 08191010.d
Lab Smp Id: RG60CRE
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem3/nt4.i/20100819.b/SW846100719.m
Misc Info: 10-18281

Calibration Date: 19-AUG-2010
Calibration Time: 13:40
Client Smp ID: PSB13-2-4-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF	
27 Naphthalene-d8	1293412	646706	2586824	536247	-58.54	<-
42 Acenaphthene-d10	785897	392948	1571794	311511	-60.36	<-
59 Phenanthrene-d10	1313990	656995	2627980	540526	-58.86	<-
69 Chrysene-d12	1155293	577646	2310586	524158	-54.63	<-
77 Perylene-d12	1146289	573144	2292578	377039	-67.11	<-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.72	9.22	10.22	9.71	-0.12
42 Acenaphthene-d10	12.57	12.07	13.07	12.55	-0.10
59 Phenanthrene-d10	14.93	14.43	15.43	14.92	-0.08
69 Chrysene-d12	19.22	18.72	19.72	19.21	-0.06
77 Perylene-d12	21.37	20.87	21.87	21.37	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.

PCP/Chlorophenols Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG60

Analytical Chemists and Consultants

8041 PCP – Soil / Sediment
Sonication (3550B) (SOP # 3304S)

Preparation Test PCP # 3

ARI Job No(s) RG54/RG60

In-House (6.25ppb)
Batch set up by: SP

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (wet wt)	Sonic Horn ID	KD Exchange To Hexane (X 2)	Turbo Vap 1 2 3	Final Effective Volume	Volume to Lab	Derivitize	Comments
	RG54 MB	Date 8/17/10	10.00g	1			25mL	1-2mL		
	SB	↓	↓	2			↓	↓		
8	A	checked	10.09	3						
	AMS		10.42	4						
	AMSD		10.06	5						
	B		10.02	6						
	C		10.12	7						
	E		10.57	8						
	F		10.27	9						
	H		10.43	10						
	I		10.24	11						
	J		10.13	12						
	K		10.13	1						
	L		10.11	2						
6	RG60 A		10.08	3						
	B		10.04	4						
	C		10.38	5						
	D		10.46	6						
	E		10.38	7						
Analyst/Date	F	WC 8/17/10 (Weight) *Sonicate	10.12	8	RR 8/18/10	ND 08/11/10	ND 08/11/10	ND 08/11/10		

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
Surrogate	**F**	**50µL**	12/9/10	WC	RR
Spike	**6**	**50µL**	2/18/4	WC	RR
Extraction Time: 15:05	**Balance ID:** 24150193		**Derivitized by:**		**Diazald ID:**

SPECIAL INSTRUCTIONS: 1. Weigh into 100mL beakers. 2. Use neutral sulfate to dry samples.

3. Acidify all with ¼ pipet conc. Sulfuric Acid. 4. Add surr/spike. 5. Leave in DCM overnight. 6. Extract 3X DCM.

7. Pour directly into KD (NO Glasswool). 8. KD to 5mL at 80°. 9. Exchange (2 X with 20mL) Hexane at 100°.

10. *Note: if filtering is necessary: Pre-rinse filter with 0.05% HCL in Acetone+Post Rinse with Hexane or centrifuge.

11. Turbo Vap to 1mL 11. Vial using a pipet into Herb Tubes with a Hexane rinse. 12. GC Analyst to Derivitize.

A. Need Total Solids Y / (N) B. Archive / Freeze Y / (N)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG54/RG60 Client ID: Floyd/Snider

Parameter: PCP Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☐ No Anomalies (standard soil/sediment)	
☐ Wet sediment/sludge=	
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☐ Rocks/Organics=	
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☐ Other Notes/Comments=	

PCP/Chlorophenols Raw Data
Initial Calibration

ARI Job ID: RG60

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: PCP Curve Client ID: ARI

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): _____

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 (ECD-1) ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 8/9/2010 Analysis Start: 8/11/2010

Endrin/DDT Breakdown <15%? YES / NO / (NA) Method Blank In Control? ~~YES / NO~~ NA

ICal Meets RF & %RSD Criteria? (YES) / NO LCS/LCSD Recovery In Control? AP 8/12/10 ~~YES / NO~~ NA

CCal Meets RF & %RSD Criteria? (YES) / NO Surrogate Recovery In Control? (YES) / NO

Manual Integrations for ICal? (YES) / NO Manual Integrations for Samples? (YES) / NO

Internal Standard Meets Criteria? YES / NO / (NA) Special Analysis Criteria Met? YES / NO / (NA)

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

2nd col : Quadratic-forced : 2,4-Dichlorophenol, 2,4,5-Trichlorophenol, 2,3,4-Trichlorophenol

1st col : Quadratic-forced : 2,4-Dichlorophenol, 2,4,6-TCP, 2,3,6-TCP, 2,3,4,5-Tetrachlorophenol, Pentachlorophenol & 2,4,6-Tribromophenol.

Additional Details on Reverse: Yes / (No)

Analyst: _____ **Date:** 8/12/2010

Reviewer: _____ **Date:** 8/17/10

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	09-AUG-2010 12:23	0809A005.d	1	PCPD	
2	09-AUG-2010 12:43	0809A006.d	1	PCPA	
3	09-AUG-2010 13:03	0809A007.d	1	PCPB	
4	09-AUG-2010 13:23	0809A008.d	1	PCPC	
5	09-AUG-2010 13:43	0809A009.d	1	PCPE	
6	09-AUG-2010 14:03	0809A010.d	1	PCPF	
7	09-AUG-2010 14:23	0809A011.d	1	PCP ICV	

Report Date : 12-Aug-2010 19:59

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Batch File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b
Inst ID: ecd1.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	0809A005	0809A006	0809A007	0809A008	0809A009	0809A010	0809A011
INJ.DATE:	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010
INJ.TIME:	12:23	12:43	13:03	13:23	13:43	14:03	14:23

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1	2,4-Dichlorophenol	6.887	6.897	6.893	6.890	6.884	6.884	6.888	6.893	6.823-6.963	6.889	0.005
2	2,4,6-Trichlorophenol	7.261	7.263	7.264	7.263	7.259	7.260	7.262	7.264	7.194-7.334	7.262	0.002
3	2,3,6-Trichlorophenol	7.615	7.622	7.619	7.617	7.611	7.612	7.616	7.619	7.549-7.689	7.616	0.004
4	2,4,5-Trichlorophenol	8.221	8.253	8.242	8.232	8.212	8.209	8.230	8.242	8.172-8.312	8.228	0.016
5	2,3,4-Trichlorophenol	8.770	8.806	8.792	8.780	8.760	8.756	8.781	8.792	8.722-8.862	8.778	0.017
6	2,3,5,6-Tetrachlorophe	8.996	9.013	9.007	9.002	8.990	8.990	9.000	9.007	8.937-9.077	9.000	0.009
$ 7	2,4,6-Tribromophenol (	9.990	10.010	10.002	9.996	9.984	9.983	9.997	10.002	9.932-10.072	9.995	0.010
8	2,3,4,5-Tetrachlorophe	10.397	10.421	10.413	10.406	10.389	10.387	10.405	10.413	10.343-10.483	10.402	0.012
9	Pentachlorophenol	11.212	11.225	11.219	11.215	11.206	11.206	11.215	11.219	11.149-11.289	11.214	0.007

Reviewer 1 AR Date: 8/12/2010
Reviewer 2 Date: 8/10/10

FCCS : 0577

Report Date : 12-Aug-2010 19:59

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Batch File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b
Inst ID: ecd1.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	0809A005	0809A006	0809A007	0809A008	0809A009	0809A010	0809A011
INJ.DATE:	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010
INJ.TIME:	12:23	12:43	13:03	13:23	13:43	14:03	14:23

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1	2,4-Dichlorophenol	7.156	7.166	7.163	7.160	7.153	7.153	7.158	7.166	7.096-7.236	7.158	0.005
2	2,4,6-Trichlorophenol	7.329	7.333	7.333	7.331	7.327	7.328	7.330	7.333	7.263-7.403	7.330	0.002
3	2,3,6-Trichlorophenol	7.858	7.864	7.862	7.860	7.855	7.856	7.859	7.864	7.794-7.934	7.859	0.003
4	2,4,5-Trichlorophenol	8.593	8.615	8.607	8.600	8.586	8.584	8.599	8.615	8.545-8.685	8.598	0.011
5	2,3,5,6-Tetrachlorophe	9.262	9.277	9.270	9.266	9.256	9.257	9.265	9.277	9.207-9.347	9.265	0.007
6	2,3,4-Trichlorophenol	9.359	9.380	9.373	9.365	9.351	9.349	9.365	9.380	9.310-9.450	9.363	0.011
$ 7	2,4,6-Tribromophenol (	10.632	10.646	10.640	10.636	10.626	10.627	10.636	10.646	10.576-10.716	10.635	0.007
8	2,3,4,5-Tetrachlorophe	11.109	11.126	11.119	11.115	11.103	11.103	11.114	11.126	11.056-11.196	11.113	0.009
9	Pentachlorophenol	11.649	11.658	11.654	11.652	11.645	11.646	11.652	11.658	11.588-11.728	11.651	0.005

Reviewer 1 AR Date: 8/12/2010
Reviewer 2 Date: 8/12/10

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-1.b

ARI Job No.: PCPD Method: FPCP.m Instrument: ecd1.i Date: 09-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1223	0809A005.d	PCPD		1	NO MANUAL INTEGRATION
1243	0809A006.d	PCPA		1	2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,3,5,6-Tetrachlorophenol, 2,4-Dichlorophenol,
1303	0809A007.d	PCPB		1	2,3,5,6-Tetrachlorophenol, 2,4-Dichlorophenol,
1323	0809A008.d	PCPC		1	NO MANUAL INTEGRATION
1343	0809A009.d	PCPE		1	NO MANUAL INTEGRATION
1403	0809A010.d	PCPF		1	NO MANUAL INTEGRATION
1423	0809A011.d	PCP ICV		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-2.b

ARI Job No.: PCPD Method: FPCPB.m Instrument: ecd1.i Date: 09-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1223	0809A005.d	PCPD		1	NO MANUAL INTEGRATION
1243	0809A006.d	PCPA		1	2,4,6-Trichlorophenol, 2,3,5,6-Tetrachlorophenol,
1303	0809A007.d	PCPB		1	2,4,6-Trichlorophenol, 2,3,5,6-Tetrachlorophenol,
1323	0809A008.d	PCPC		1	NO MANUAL INTEGRATION
1343	0809A009.d	PCPE		1	NO MANUAL INTEGRATION
1403	0809A010.d	PCPF		1	NO MANUAL INTEGRATION
1423	0809A011.d	PCP ICV		1	2,3,4-Trichlorophenol,

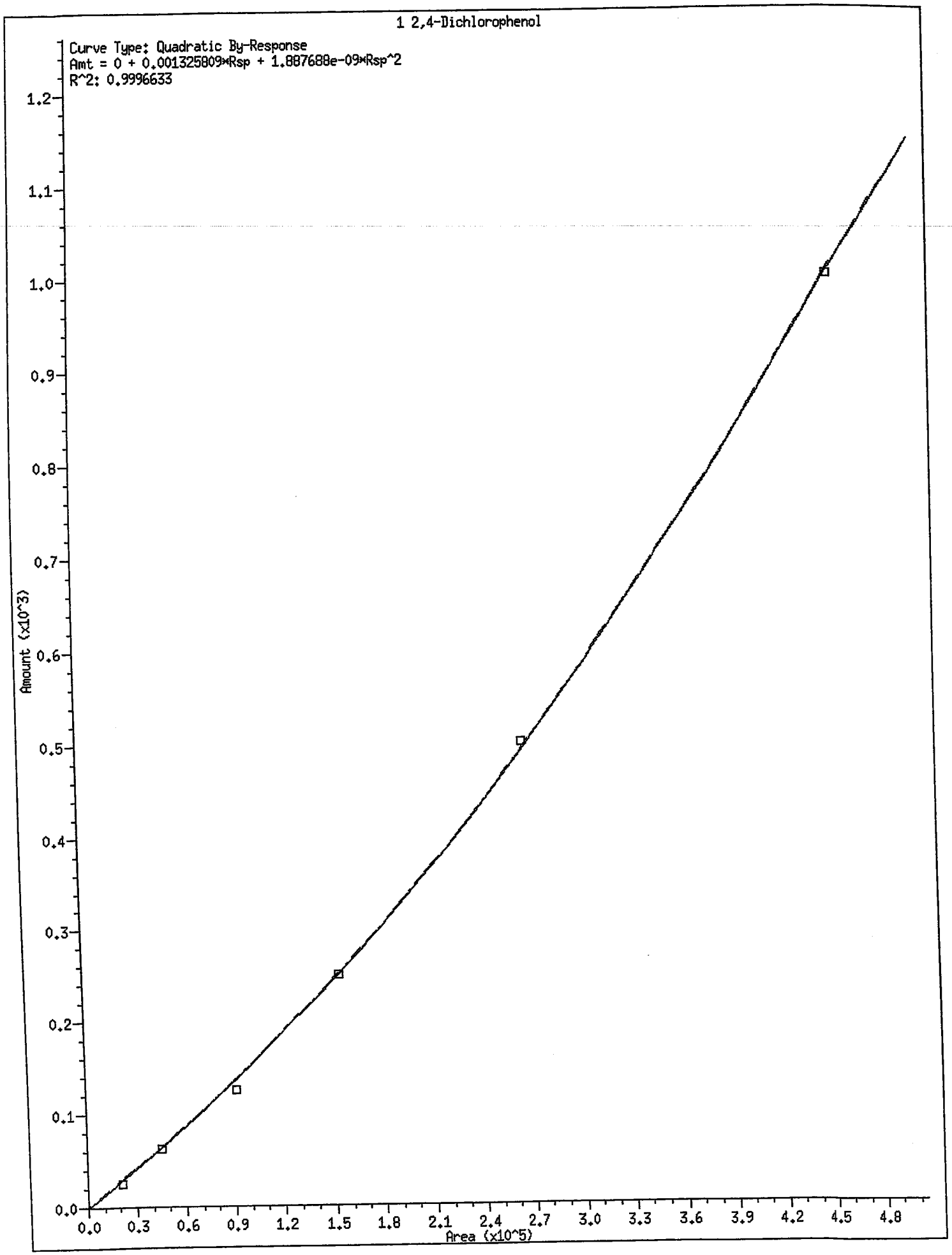
Analytical Resources, Inc.

INITIAL CALIBRATION DATA AP 8/12/2010

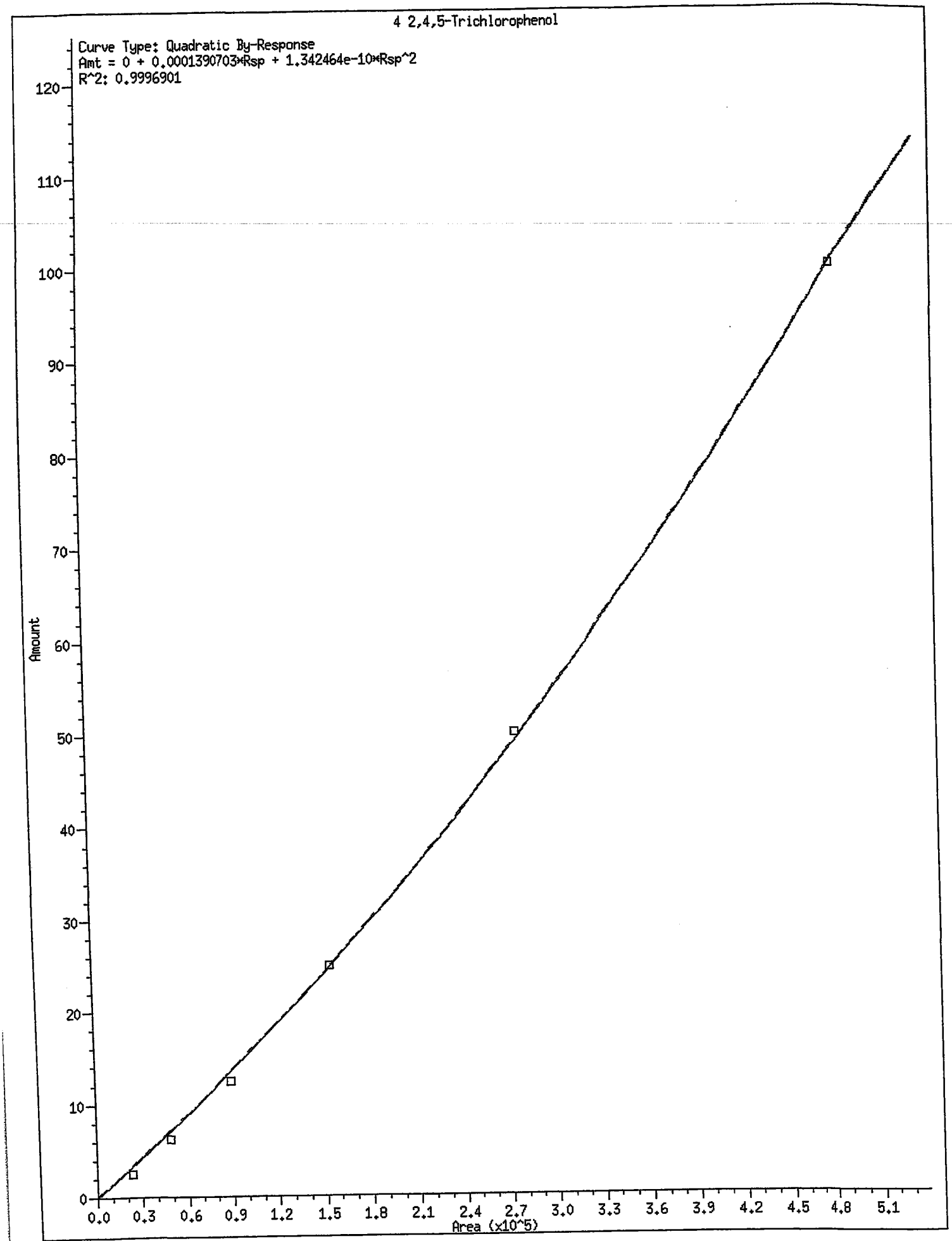
Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron
Curve Type : Average

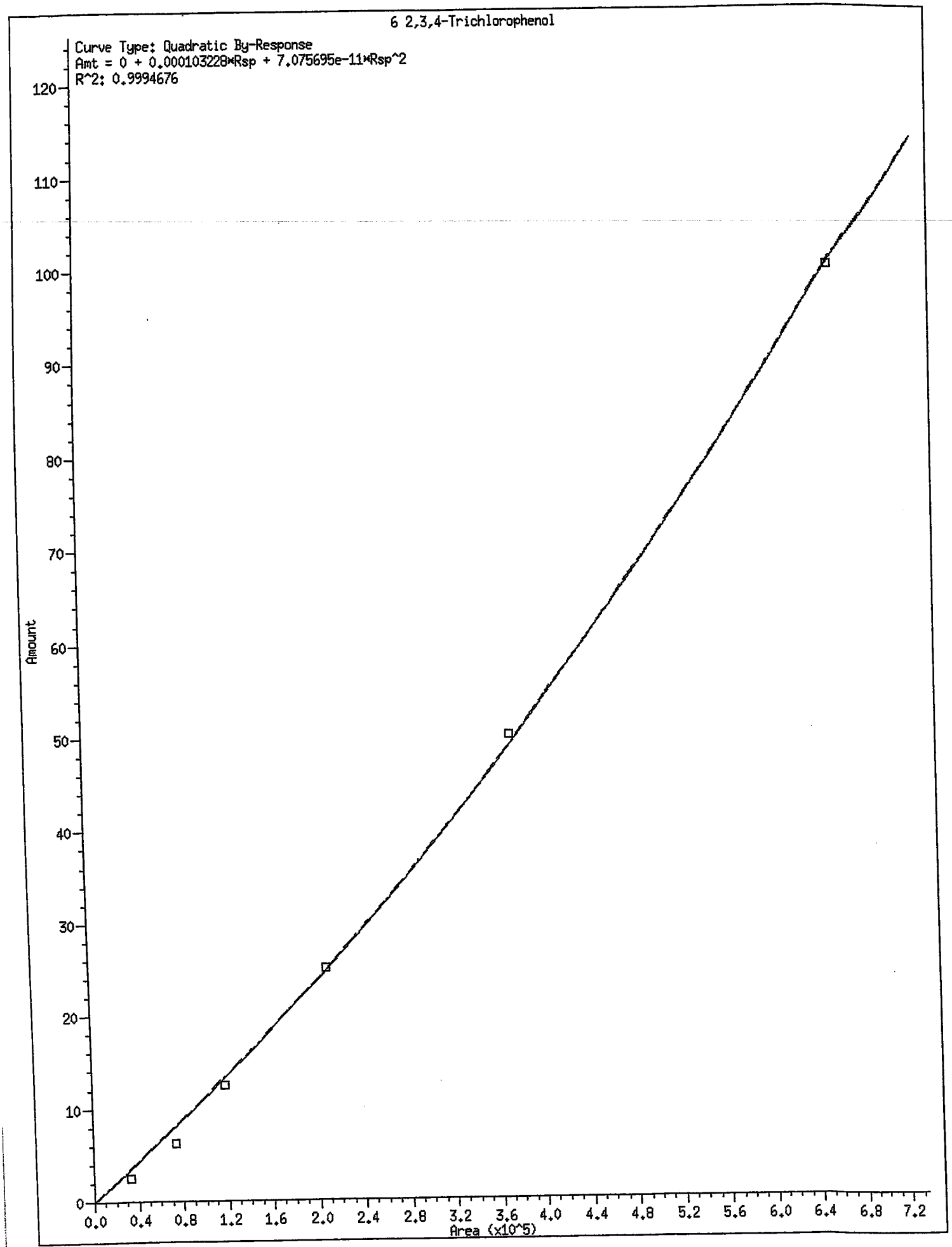
Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
Level 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d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

Compound	2.500 Level 1	6.250 Level 2	12.500 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
1 2,4-Dichlorophenol	859	720	733	619	536	458	654	22.290	<-
2 2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10071	12485	13.991	
3 2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	12409	14.584	
4 2,4,5-Trichlorophenol	9451	7724	7152	6203	5568	4896	6832	24.049	<-
5 2,3,5,6-Tetrachlorophenol	22710	20100	18581	17733	16666	15298	18515	14.186	
6 2,3,4-Trichlorophenol	13138	11714	9430	8408	7532	6669	9482	26.352	<-
8 2,3,4,5-Tetrachlorophenol	18414	16106	15136	13550	12798	11541	14591	17.013	
9 Pentachlorophenol	28790	24995	23903	21206	20507	18368	22961	16.202	
$ 7 2,4,6-Tribromophenol (surr)	22648	19438	18816	17793	17226	16083	18667	12.211	


1 2,4-Dichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.001325809*Rsp + 1.887688e-09*Rsp^2
R^2: 0.9996633
Amount (x10^3)
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.0 0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3.0 3.3 3.6 3.9 4.2 4.5 4.8
Area (x10^5)

RG60:00782


4 2,4,5-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001390703*Rsp + 1.342464e-10*Rsp^2
R^2: 0.9996901
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5
4.8
5.1


6 2,3,4-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00010328*Rsp + 7.075695e-11*Rsp^2
R^2: 0.9994676
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron

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

Compound	2 Level 1	6 Level 2	12 Level 3	25 Level 4	50 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 2,4-Dichlorophenol	21466	45023	91643	154741	267768	457854	QUAD	0.000e+00	0.00133	1.888e-09	0.99966
2 2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10071	AVRG		12485		13.99132
3 2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	AVRG		12409		14.58387
4 2,4,5-Trichlorophenol	23627	48273	89400	155087	278412	489569	QUAD	0.000e+00	0.00014	1.342e-10	0.99969
5 2,3,5,6-Tetrachlorophenol	22710	20100	18581	17733	16666	15298	AVRG		18515		14.18619
6 2,3,4-Trichlorophenol	32846	73211	117878	210189	376624	666942	QUAD	0.000e+00	0.00010	7.076e-11	0.99947
8 2,3,4,5-Tetrachlorophenol	18414	16106	15136	13550	12798	11541	AVRG		14591		17.01254
9 Pentachlorophenol	28790	24995	23903	21206	20507	18368	AVRG		22961		16.20188
$ 7 2,4,6-Tribromophenol (surr)	22648	19438	18816	17793	17226	16083	AVRG		18667		12.21092

RCKG 09785

Report Date : 12-Aug-2010 19:02

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

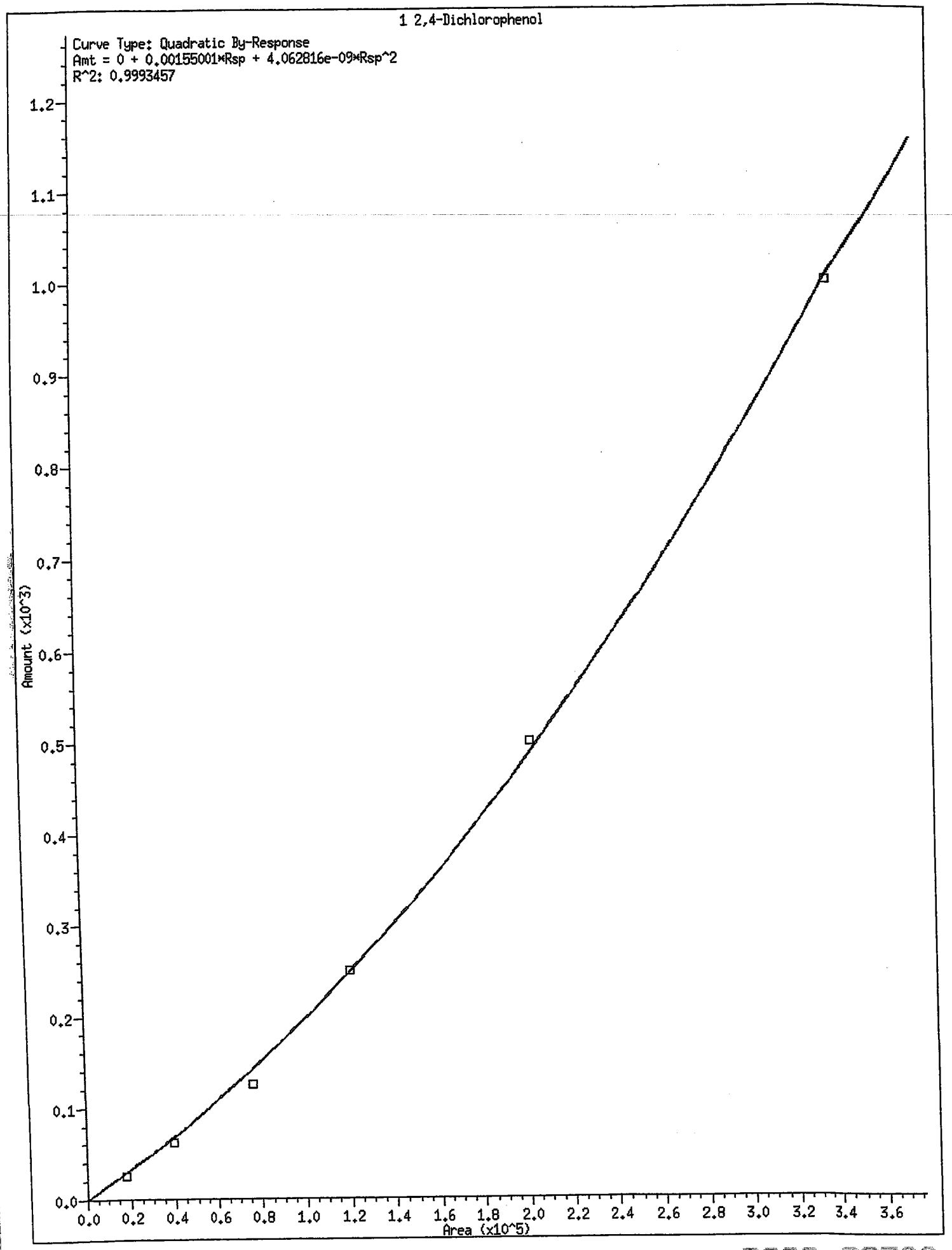
Analytical Resources, Inc.

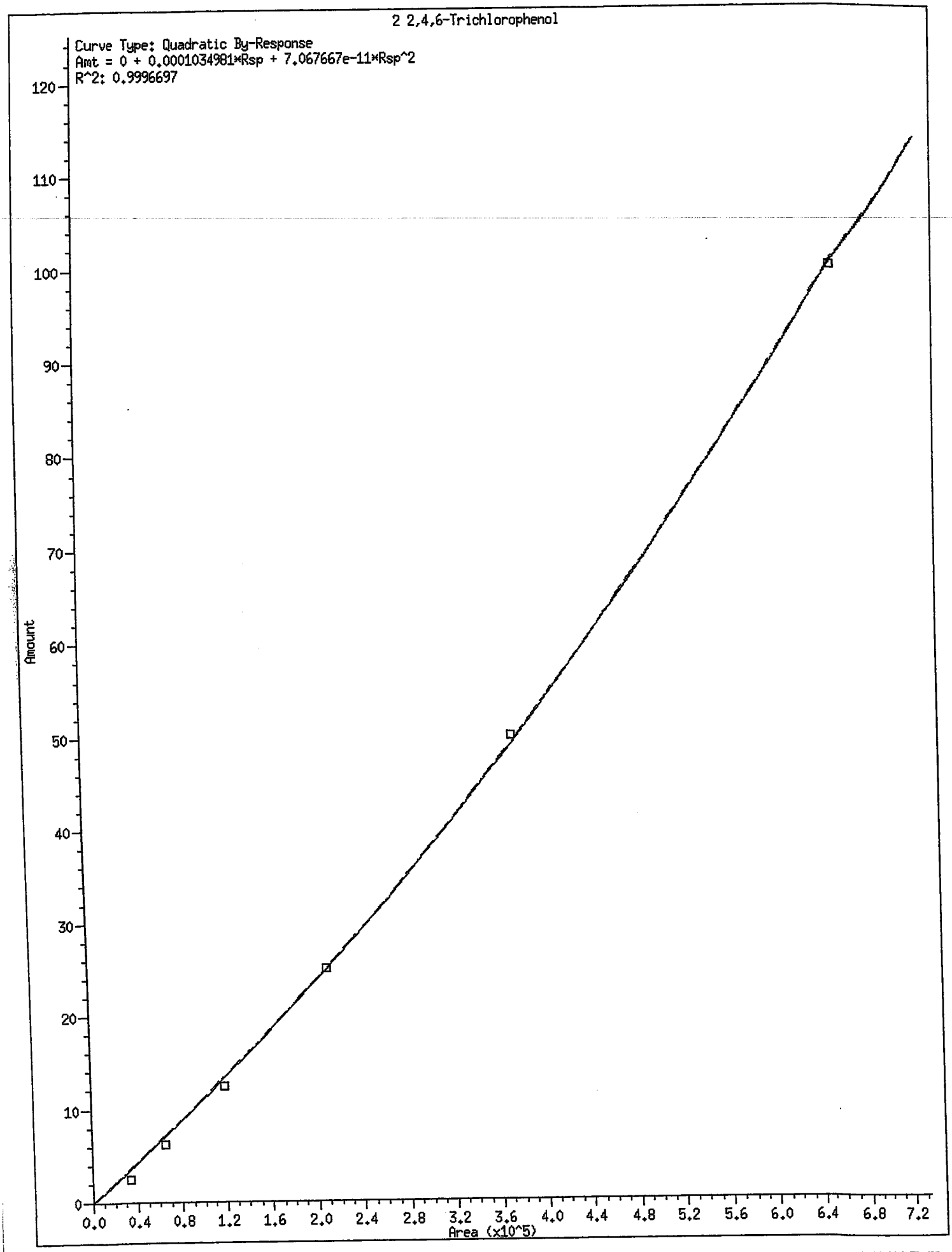
INITIAL CALIBRATION DATA

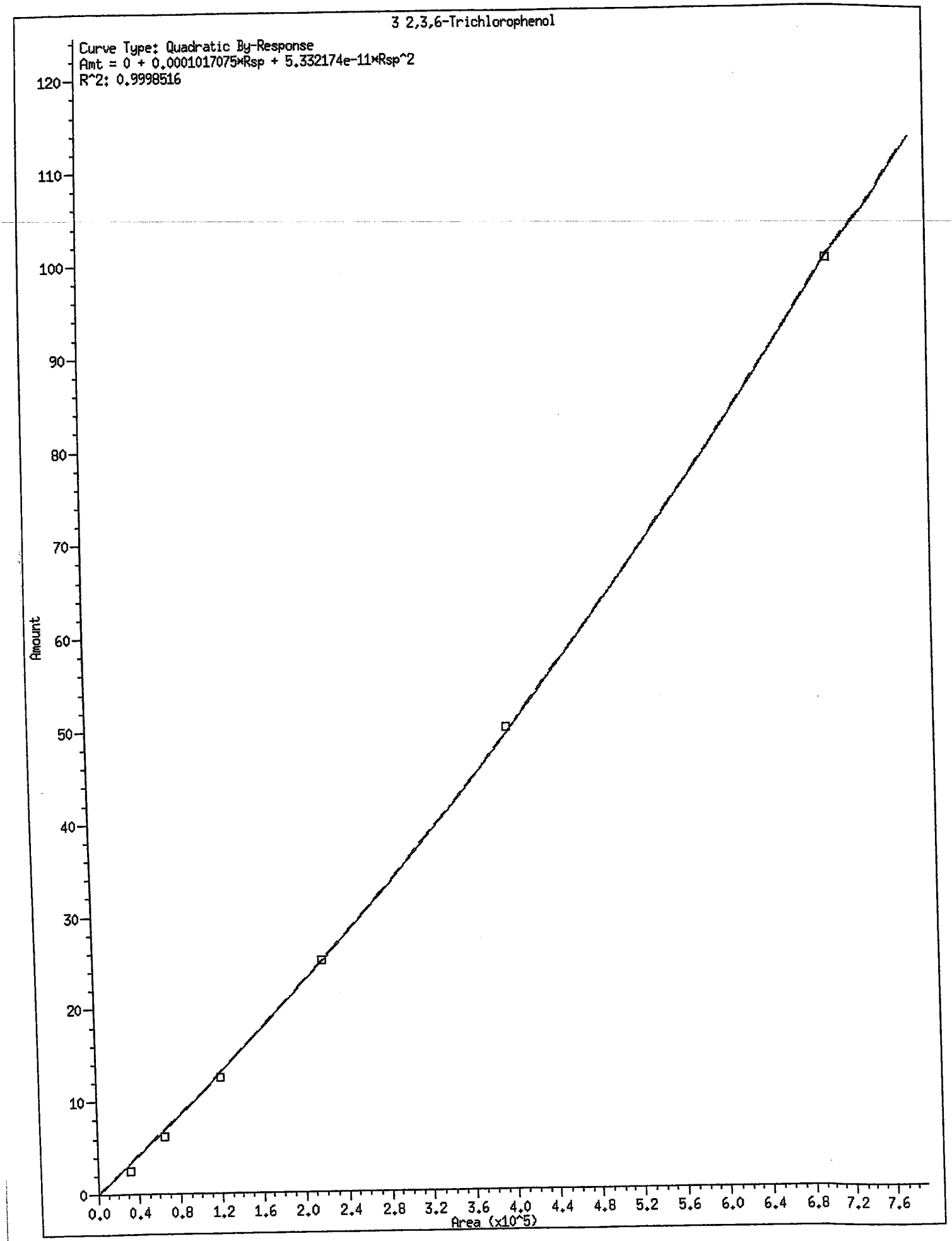
Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron
Curve Type : Average

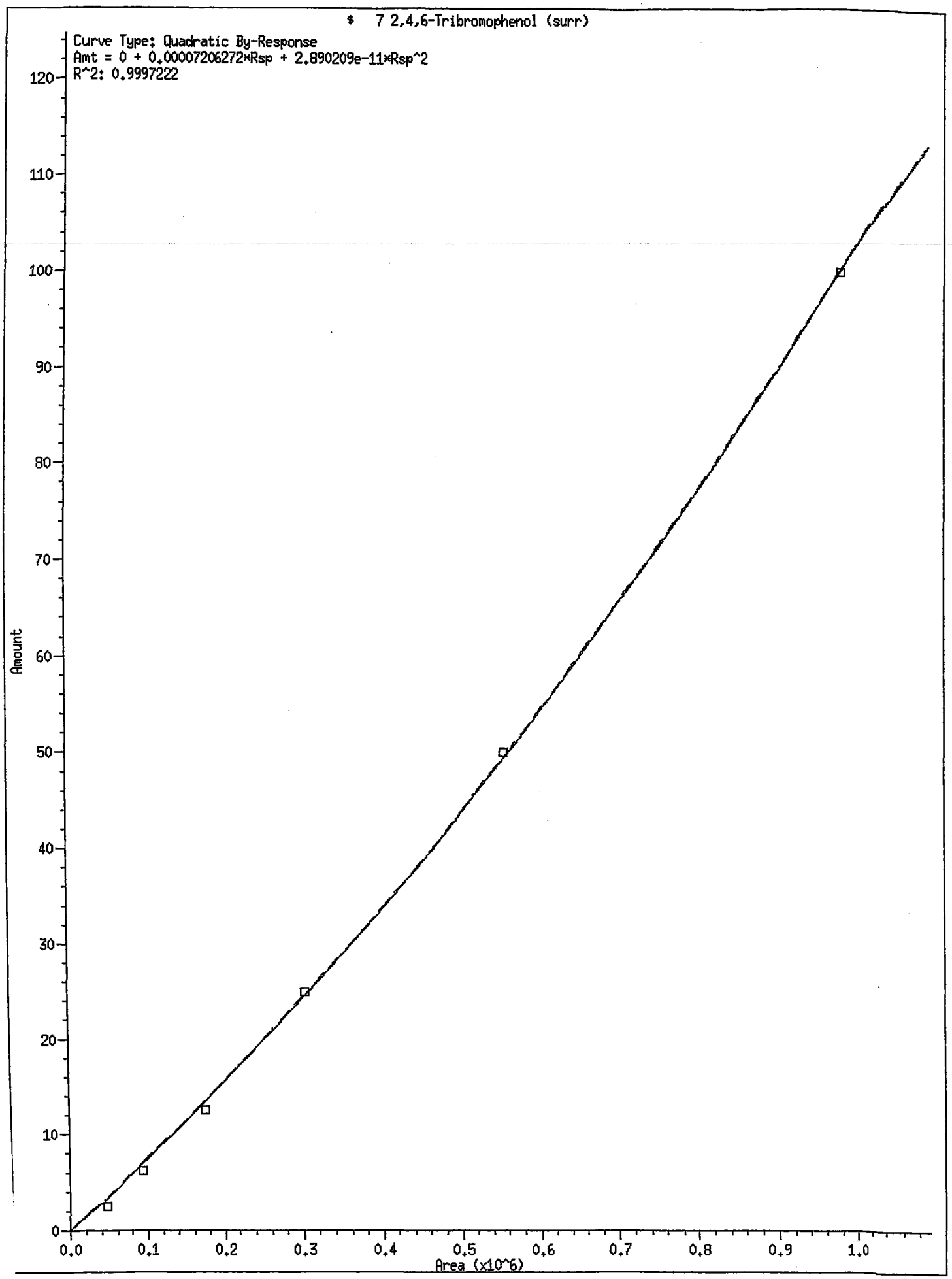
Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
Level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

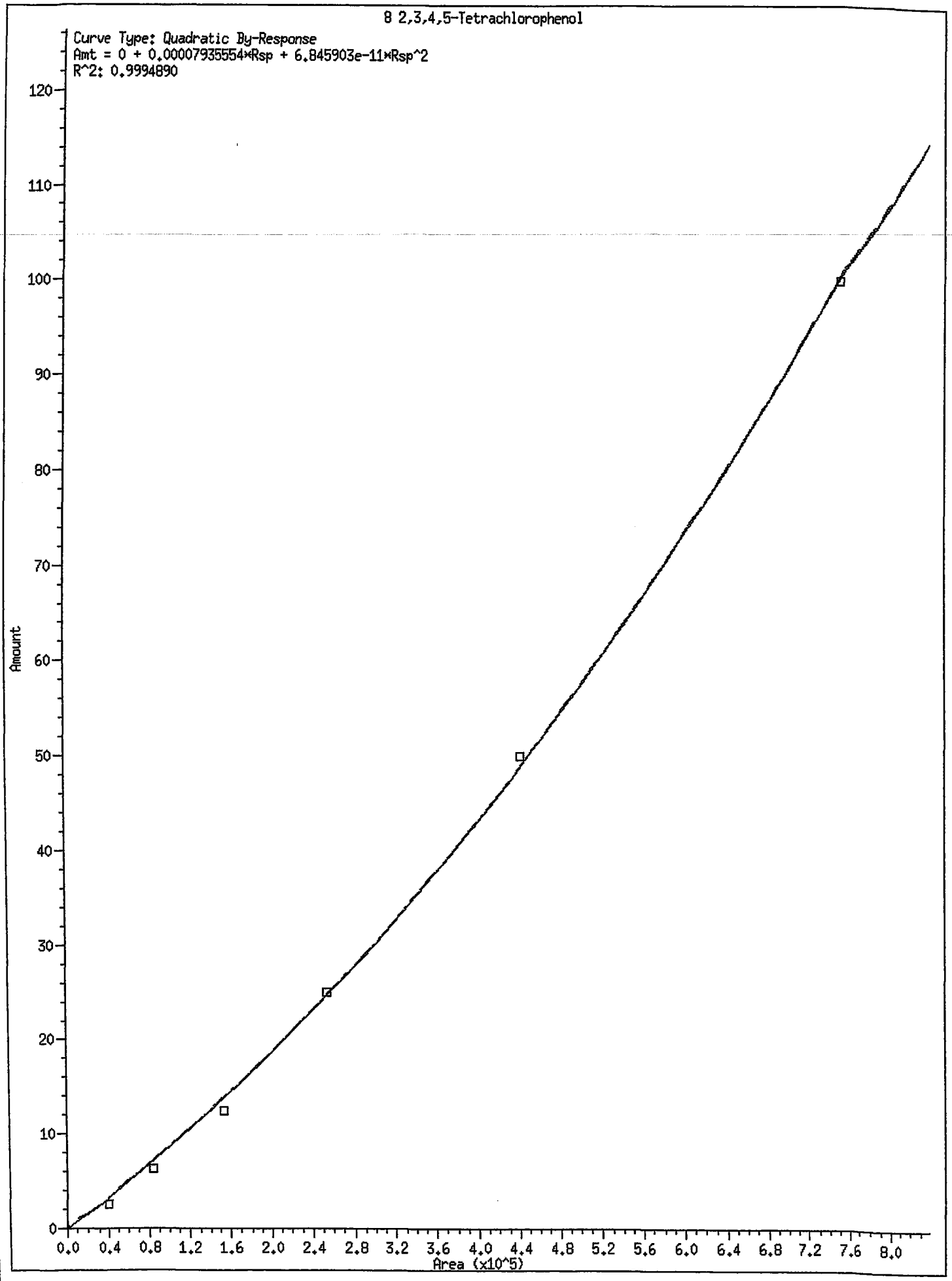
Compound	2.500 Level 1	6.250 Level 2	12.500 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
1 2,4-Dichlorophenol	721	627	611	486	409	342	533	27.140	<-
2 2,4,6-Trichlorophenol	13540	10473	9560	8413	7539	6660	9364	26.271	<-
3 2,3,6-Trichlorophenol	12902	10500	9607	8801	8025	7161	9499	21.431	<-
4 2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	5048	19.727	
5 2,3,4-Trichlorophenol	8393	7068	7135	7922	5475	5053	6841	19.373	
6 2,3,5,6-Tetrachlorophenol	17905	15060	14996	14233	11882	10558	14106	18.400	
8 2,3,4,5-Tetrachlorophenol	16324	13459	12294	10216	8895	7628	11469	27.892	<-
9 Pentachlorophenol	24528	19824	17830	15337	13686	11965	17195	26.550	<-
$ 7 2,4,6-Tribromophenol (surr)	18561	14999	13969	12135	11200	9940	13467	22.982	<-

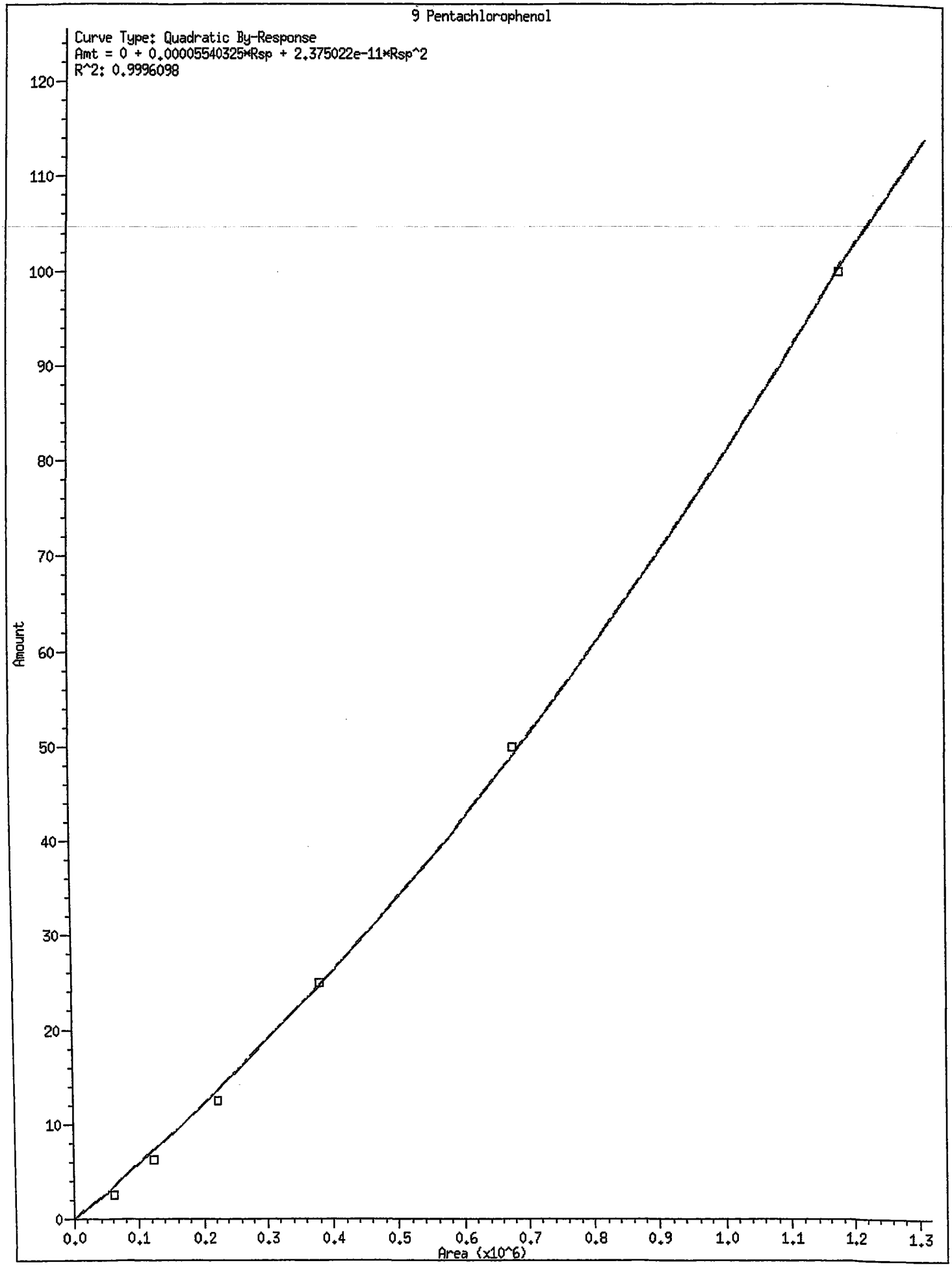

1 2,4-Dichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00155001*Rsp + 4.062816e-09*Rsp^2
R^2: 0.9993457
Amount (x10^3)
Area (x10^5)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6


2 2,4,6-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001034981*Rsp + 7.067667e-11*Rsp^2
R^2: 0.9996697
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2


3 2,3,6-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001017075*Rsp + 5.332174e-11*Rsp^2
R^2: 0.9998516
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6


$ 7 2,4,6-Tribromophenol (surr)
Curve Type: Quadratic By-Response
Amt = 0 + 0.00007206272*Rsp + 2.890209e-11*Rsp^2
R^2: 0.9997222
Amount
Area (x10^6)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0


8 2,3,4,5-Tetrachlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00007935554*Rsp + 6.845903e-11*Rsp^2
R^2: 0.9994890
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6
8.0


9 Pentachlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00005540325*Rsp + 2.375022e-11*Rsp^2
R^2: 0.9996098
Amount
Area (x10^6)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3

Report Date : 12-Aug-2010 19:15

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron

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

	Compound	2 Level 1	6 Level 2	12 Level 3	25 Level 4	50 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	1 2,4-Dichlorophenol	18020	39212	76337	121400	204471	341711	QUAD	0.000e+00	0.00155	4.063e-09	0.99935
	2 2,4,6-Trichlorophenol	33851	65457	119503	210327	376941	665977	QUAD	0.000e+00	0.00010	7.068e-11	0.99967
	3 2,3,6-Trichlorophenol	32256	65624	120087	220036	401238	716085	QUAD	0.000e+00	0.00010	5.332e-11	0.99985
	4 2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	AVRG		5048		19.72715
	5 2,3,4-Trichlorophenol	8393	7068	7135	7922	5475	5053	AVRG		6841		19.37297
	6 2,3,5,6-Tetrachlorophenol	17905	15060	14996	14233	11882	10558	AVRG		14106		18.40050
	8 2,3,4,5-Tetrachlorophenol	40811	84118	153678	255392	444734	762767	QUAD	0.000e+00	0.00008	6.846e-11	0.99949
	9 Pentachlorophenol	61320	123902	222874	383426	684285	1196534	QUAD	0.000e+00	0.00006	2.375e-11	0.99961
$	7 2,4,6-Tribromophenol (surr)	46402	93741	174610	303374	559983	994034	QUAD	0.000e+00	0.00007	2.890e-11	0.99972

Report Date : 12-Aug-2010 19:15

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

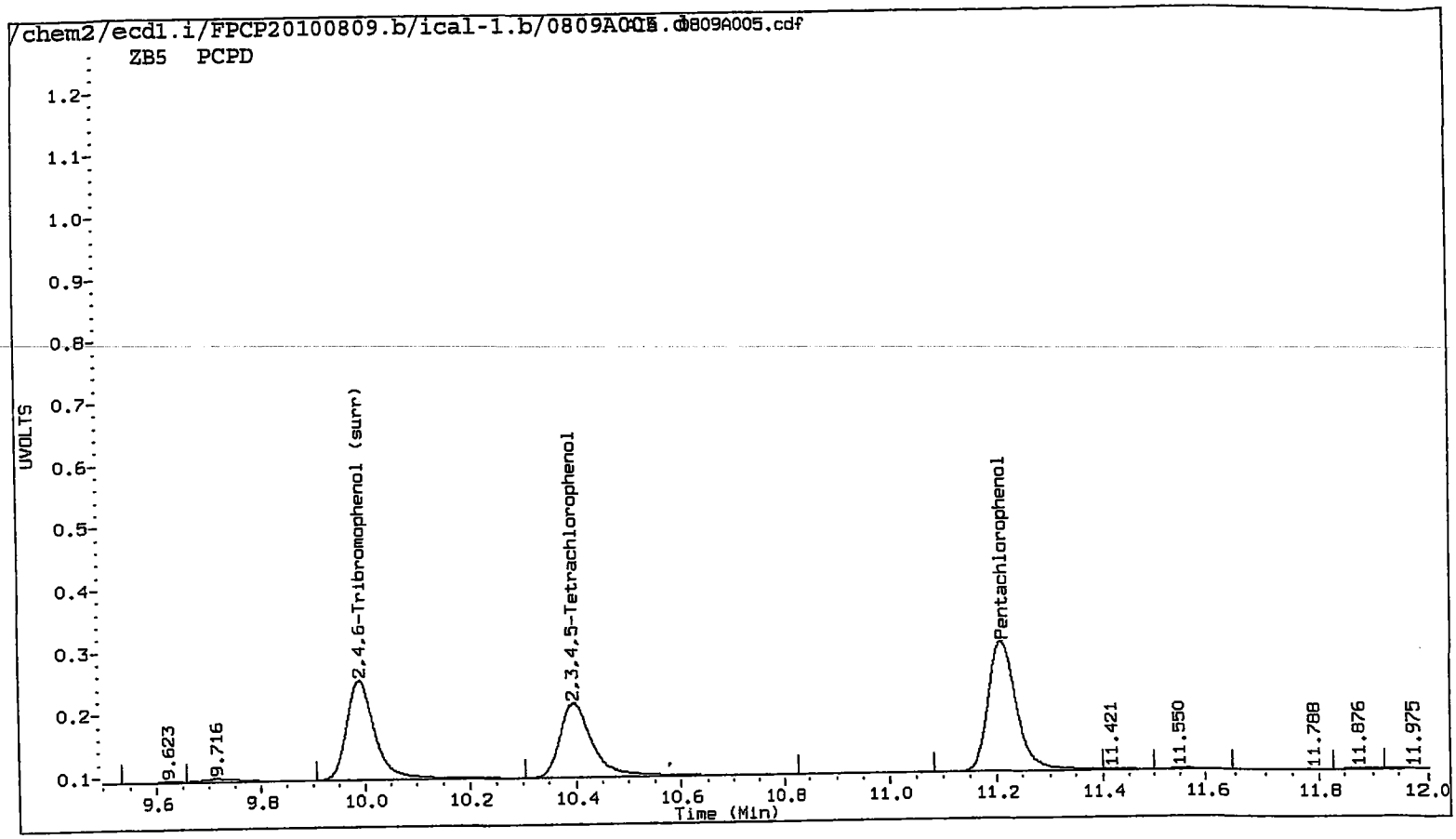
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report AR 8/12/2010

Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d ARI ID: PCPD
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar
Injection Date: 09-AUG-2010 12:23
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.212	-0.007	383426	11.649	-0.009	530145	24.7347	23.0885	6.9	Pentachlorophenol
7.261	-0.003	210327	7.329	-0.004	306027	24.8950	24.5124	1.5	2,4,6-Trichlorophenol
7.615	-0.004	220036	7.858	-0.006	301362	24.9609	24.2867	2.7	2,3,6-Trichlorophenol
8.221	-0.021	122872	8.593	-0.022	155087	24.3430	24.7969	1.8	2,4,5-Trichlorophenol
8.770	-0.022	198058	9.359	-0.021	210189	28.9512	24.8234	15.4	2,3,4-Trichlorophenol
8.996	-0.011	355822	9.262	-0.015	443336	25.2255	23.9449	5.2	2,3,5,6-Tetrachlorophenol
10.397	-0.016	255392	11.109	-0.017	338740	24.7320	23.2161	6.3	2,3,4,5-Tetrachlorophenol
6.887	-0.006	121400	7.156	-0.010	154741	248.0488	250.3573	0.9	2,4-Dichlorophenol
9.990	-0.012	303374	10.632	-0.014	444822	24.5	23.8	2.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	98.1	95.3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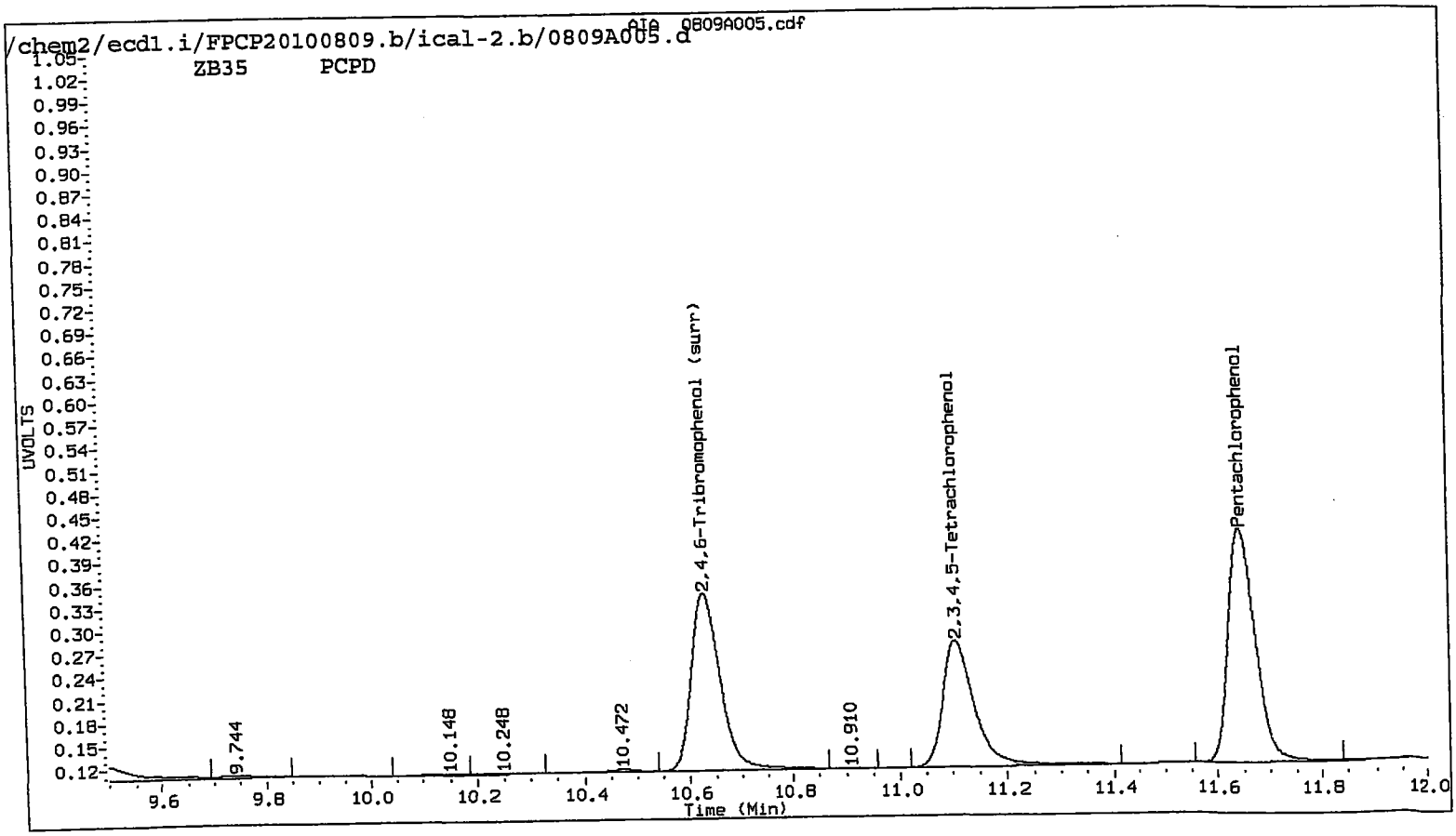
0809A005.cdf
ZB5 PCPD
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.623
9.716
11.421
11.550
11.788
11.876
11.975
Time (Min)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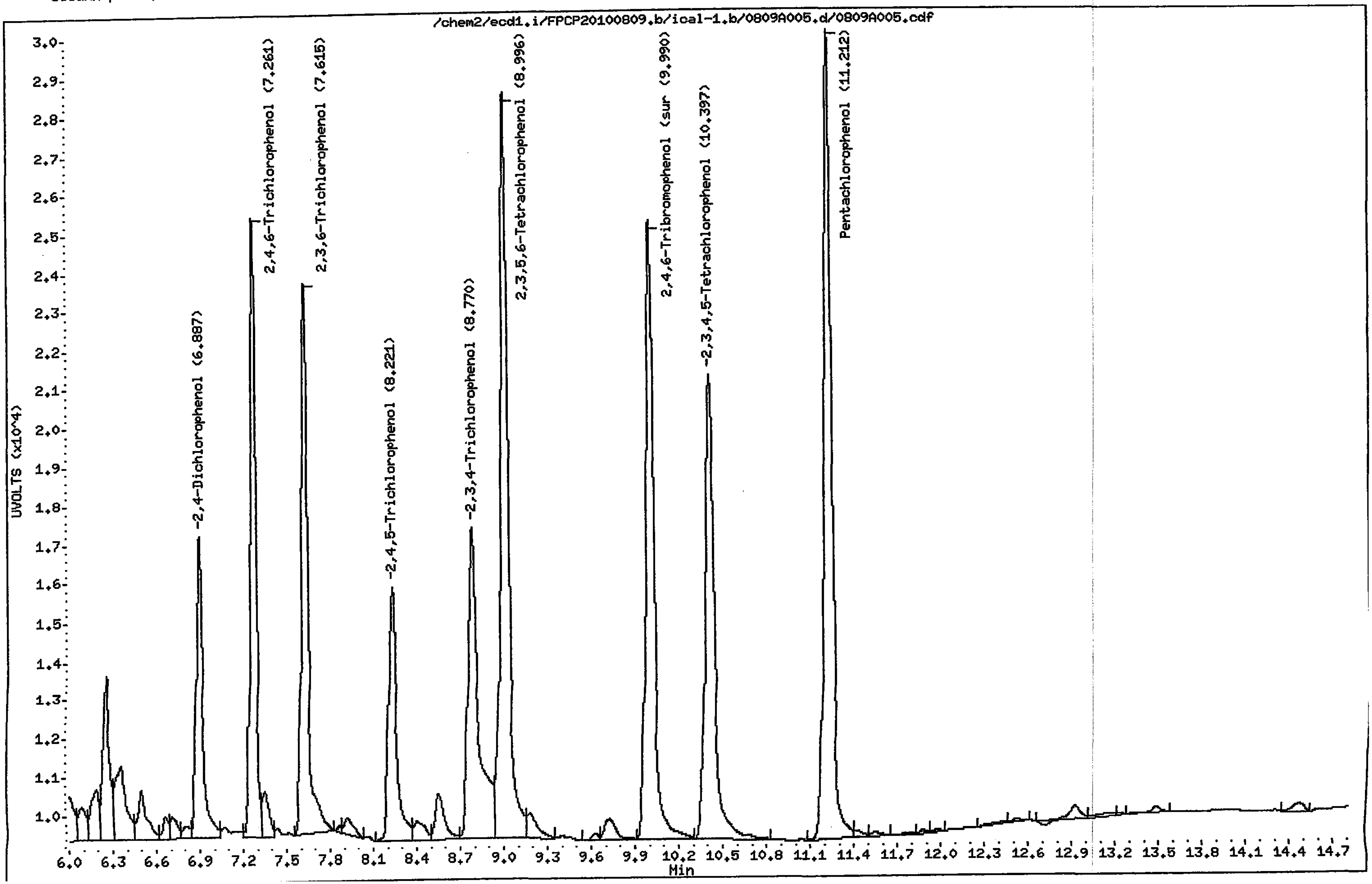
0809A005.cdf
ZB35 PCPD
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.744
10.148
10.248
10.472
10.910
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d
Date : 09-AUG-2010 12:23
Client ID:
Sample Info: PCPD
Purge Volume: 2.0
Column phase: ZB5

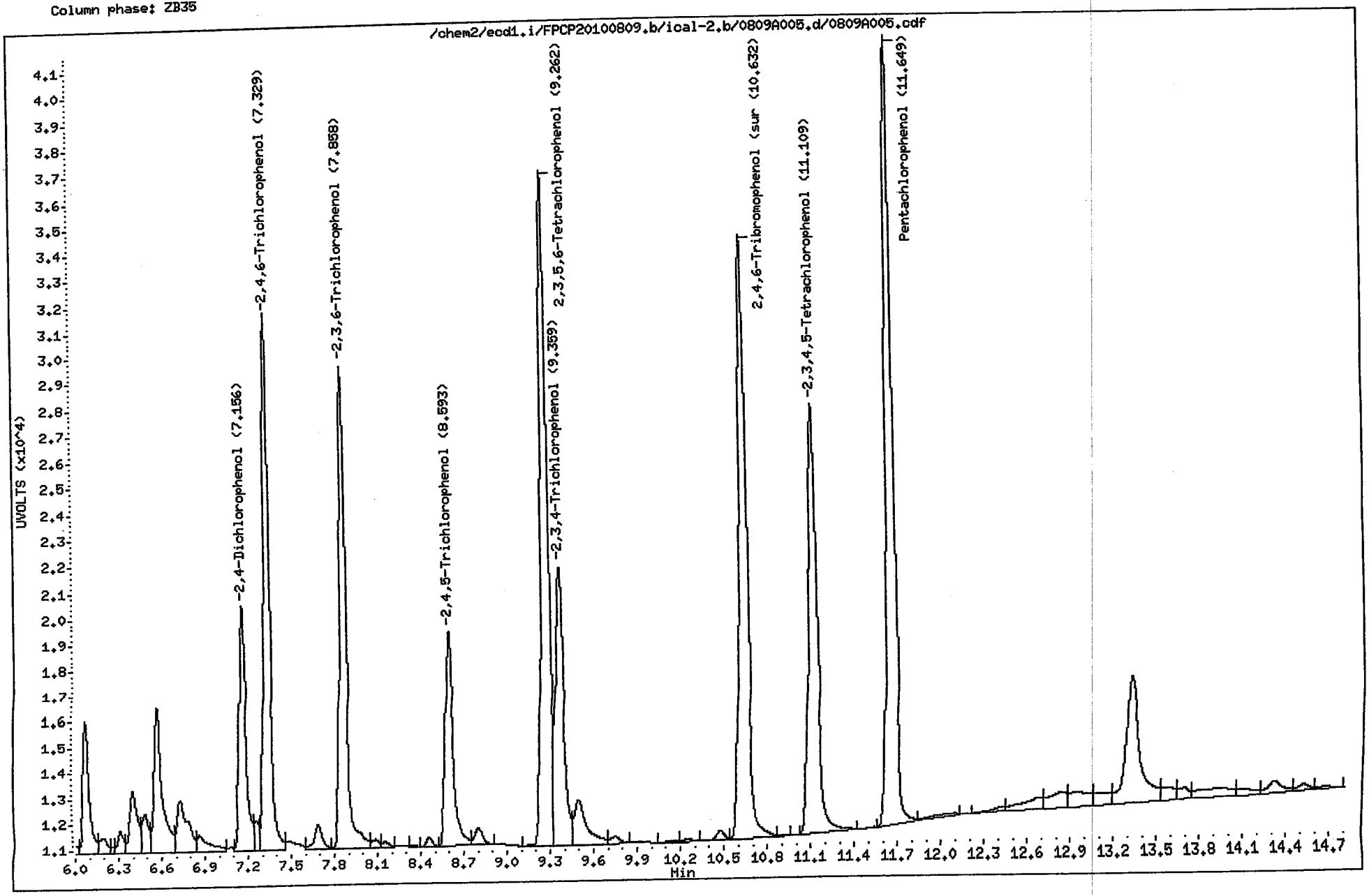
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
Date : 09-AUG-2010 12:23
Client ID:
Sample Info: PCPD
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



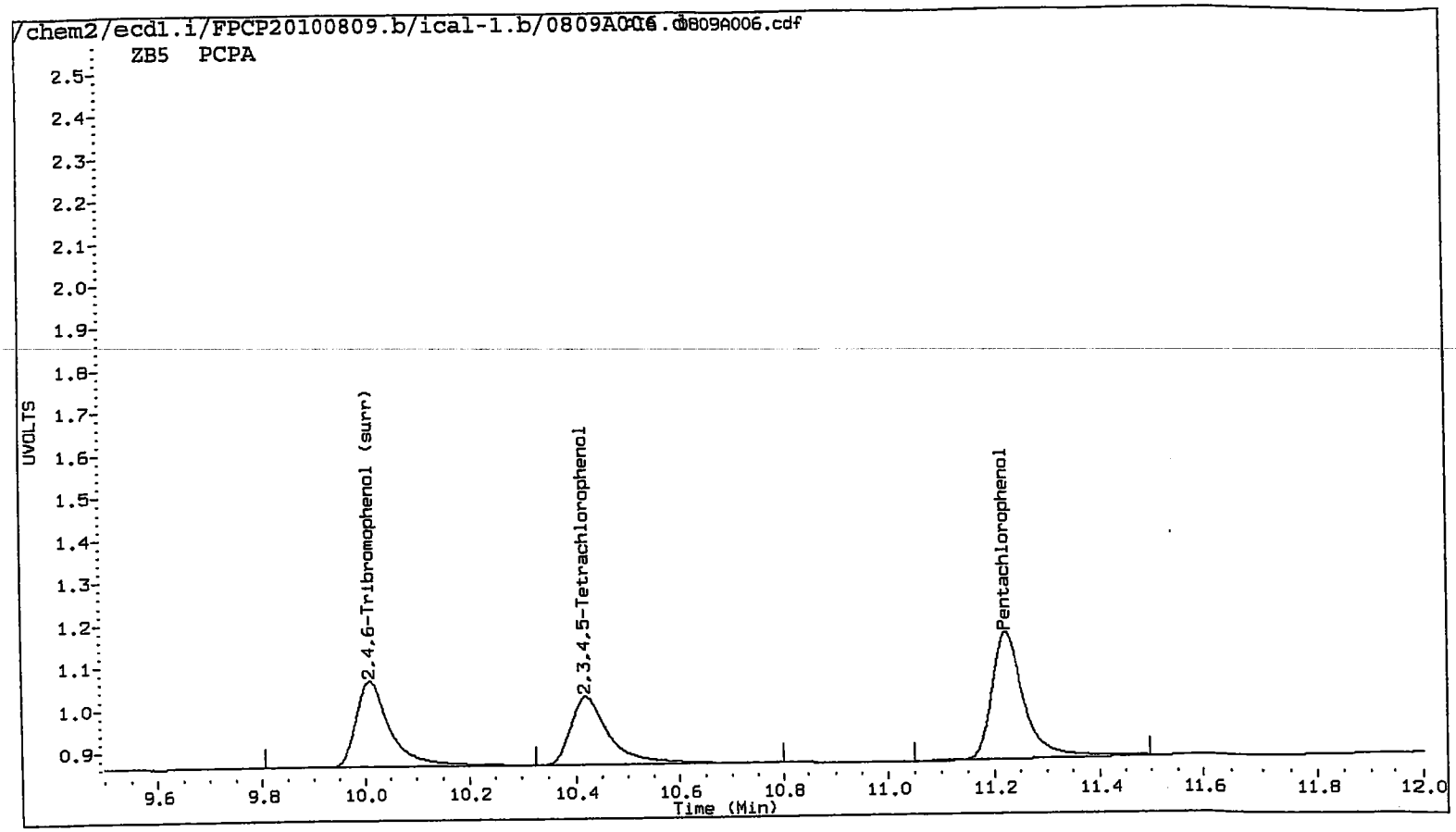
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d ARI ID: PCPA
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar
Injection Date: 09-AUG-2010 12:43
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col RT	ZB-5 Col Shift	ZB-5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.225	0.006	61320	11.658	0.000	71975	3.4866	3.1346	10.6	Pentachlorophenol
7.263	-0.001	33851	7.333	0.000	37028	3.5845	2.9659	18.9	2,4,6-Trichlorophenol
7.622	0.003	32256	7.864	0.000	38395	3.3362	3.0942	7.5	2,3,6-Trichlorophenol
8.253	0.011	16009	8.615	0.000	23627	3.1717	3.3608	5.8	2,4,5-Trichlorophenol
8.806	0.014	20983	9.380	0.000	32846	3.0672	3.4670	12.2	2,3,4-Trichlorophenol
9.013	0.006	44762	9.277	0.000	56775	3.1733	3.0665	3.4	2,3,5,6-Tetrachlorophenol
10.421	0.008	40811	11.126	0.000	46035	3.3526	3.1551	6.1	2,3,4,5-Tetrachlorophenol
6.897	0.004	18020	7.166	0.000	21466	29.2505	29.3296	0.3	2,4-Dichlorophenol
10.010	0.008	46402	10.646	0.000	56619	3.4	3.0	11.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	13.6	12.1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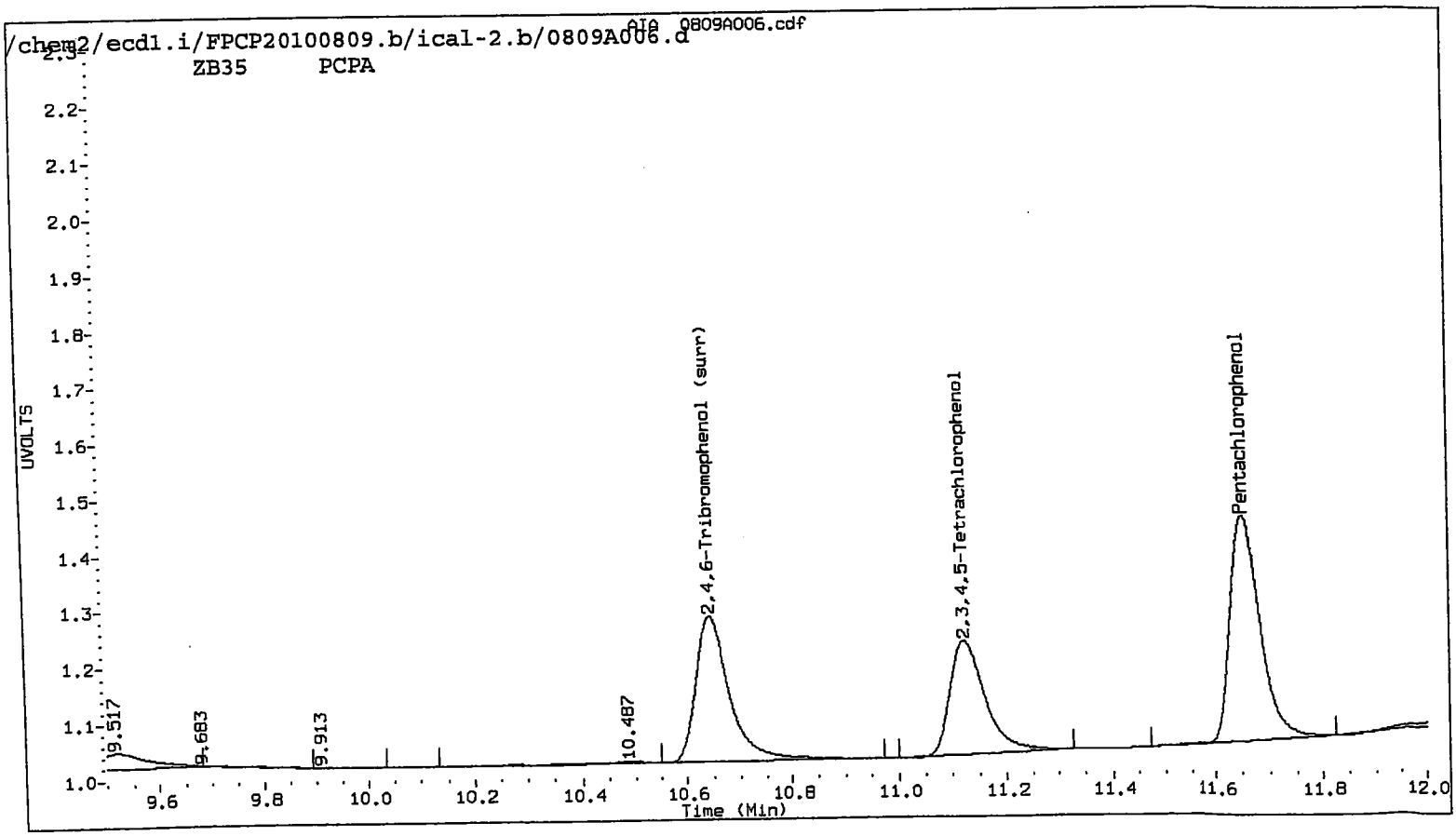
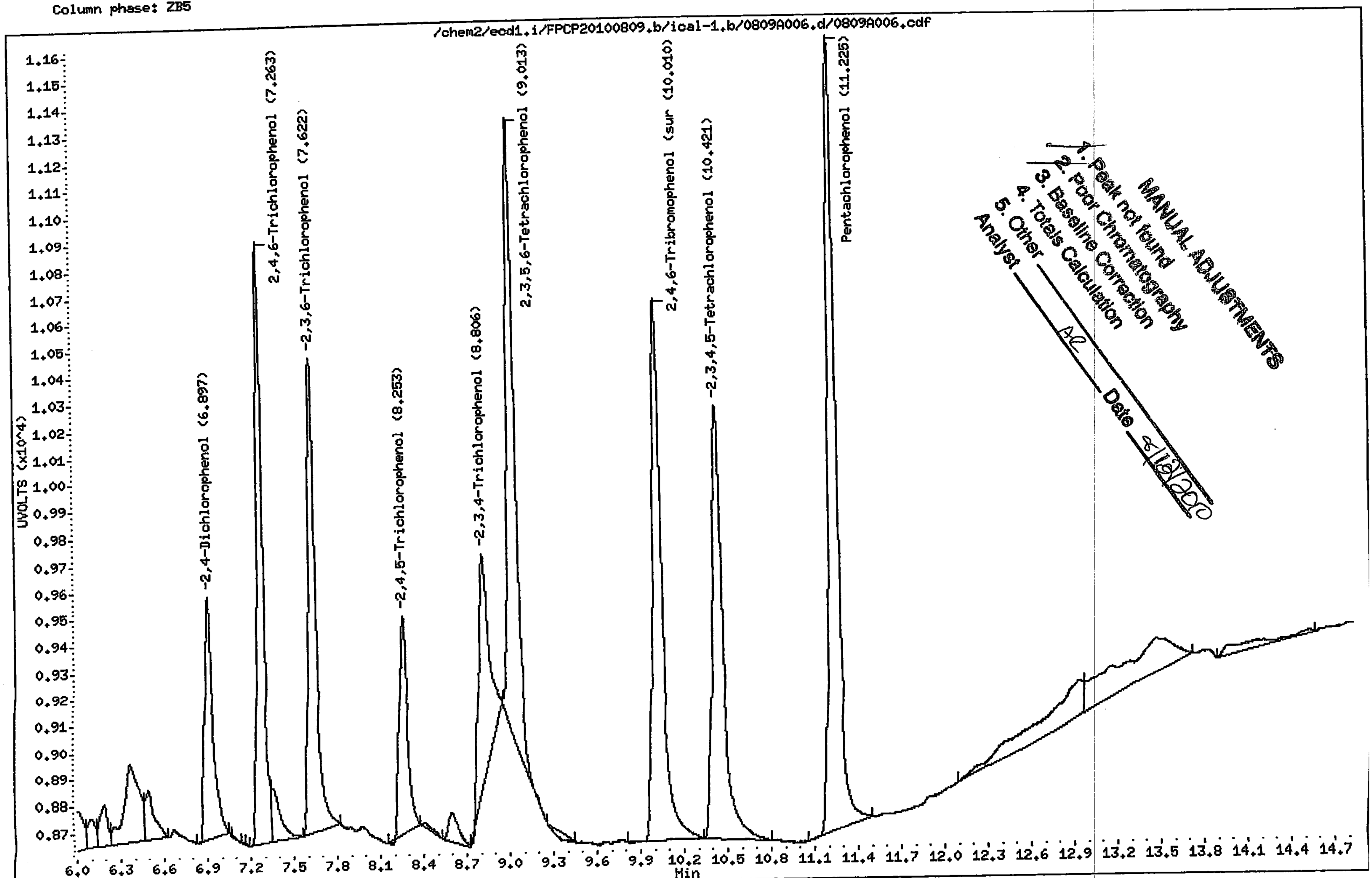
0809A006.cdf
ZB5 PCPA
UVOLTS
2.4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d
0809A006.cdf
ZB35 PCPA
UVOLTS
9.517
9.683
9.913
10.487
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d
Date : 09-AUG-2010 12:43
Client ID:
Sample Info: PCPA
Purge Volume: 2.0
Column phase: ZB5

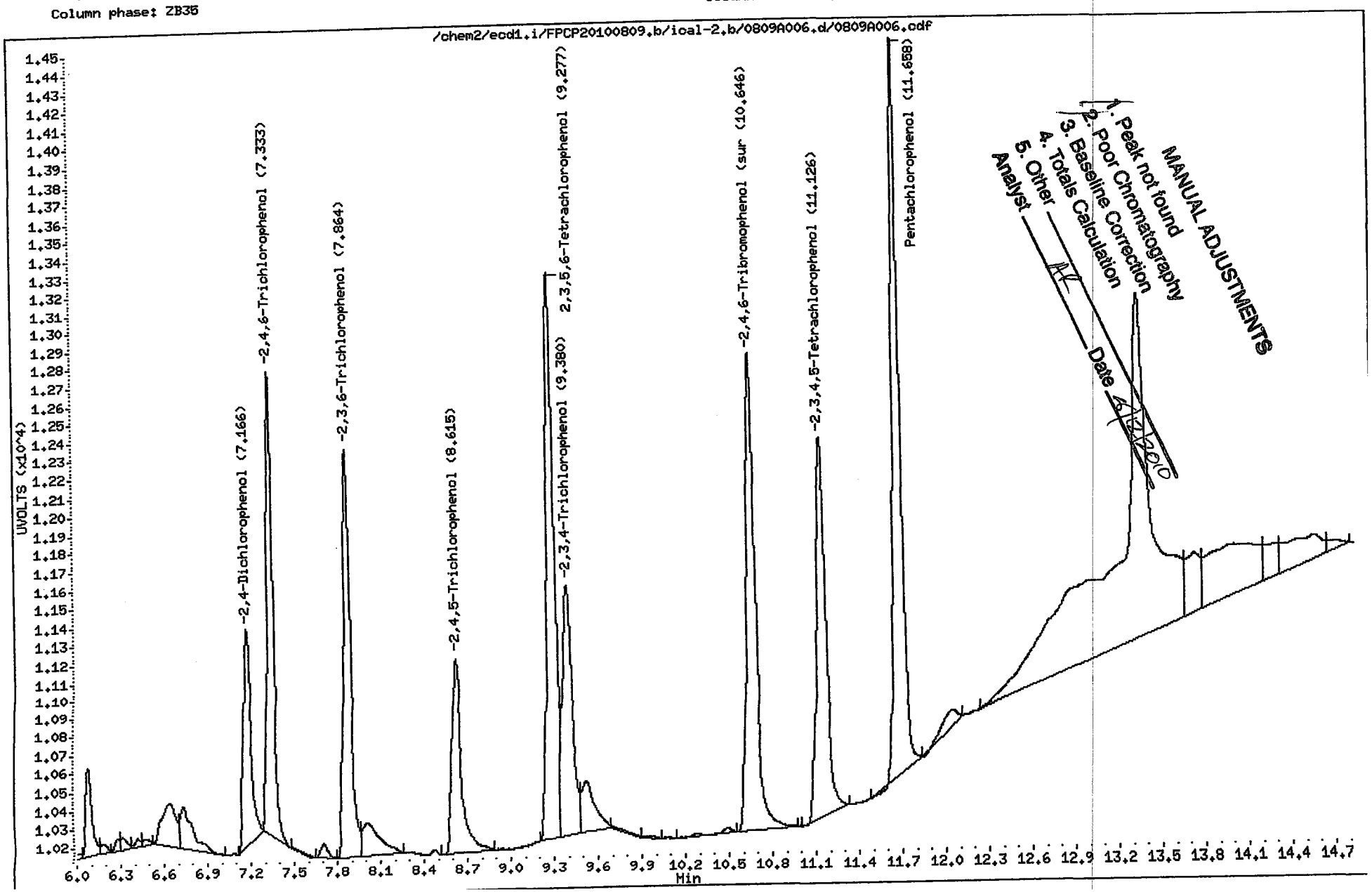
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



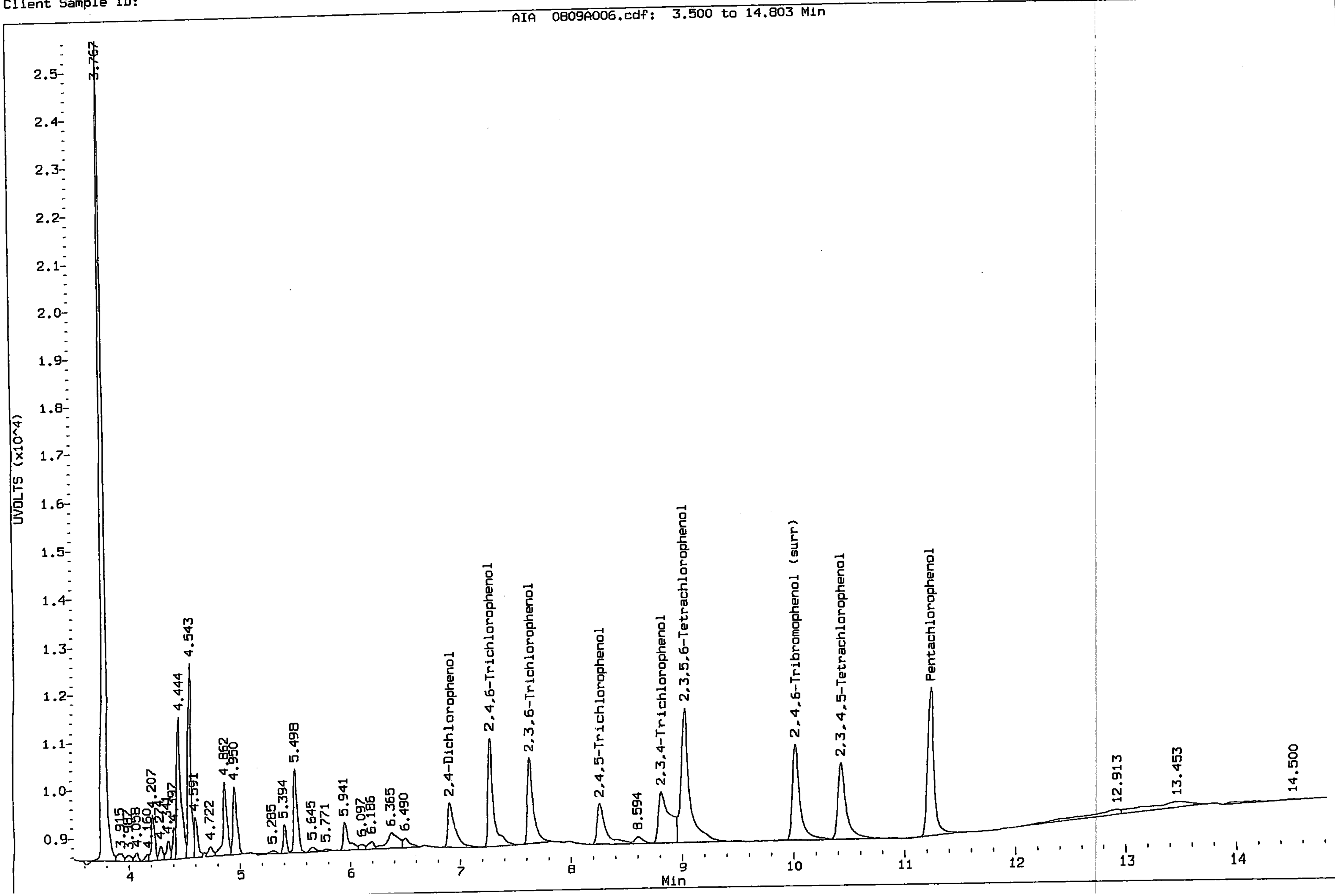
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d
Date : 09-AUG-2010 12:43
Client ID:
Sample Info: PCPA
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
Injection Date: 09-AUG-2010 12:43
Instrument: ecd1.i
Client Sample ID:

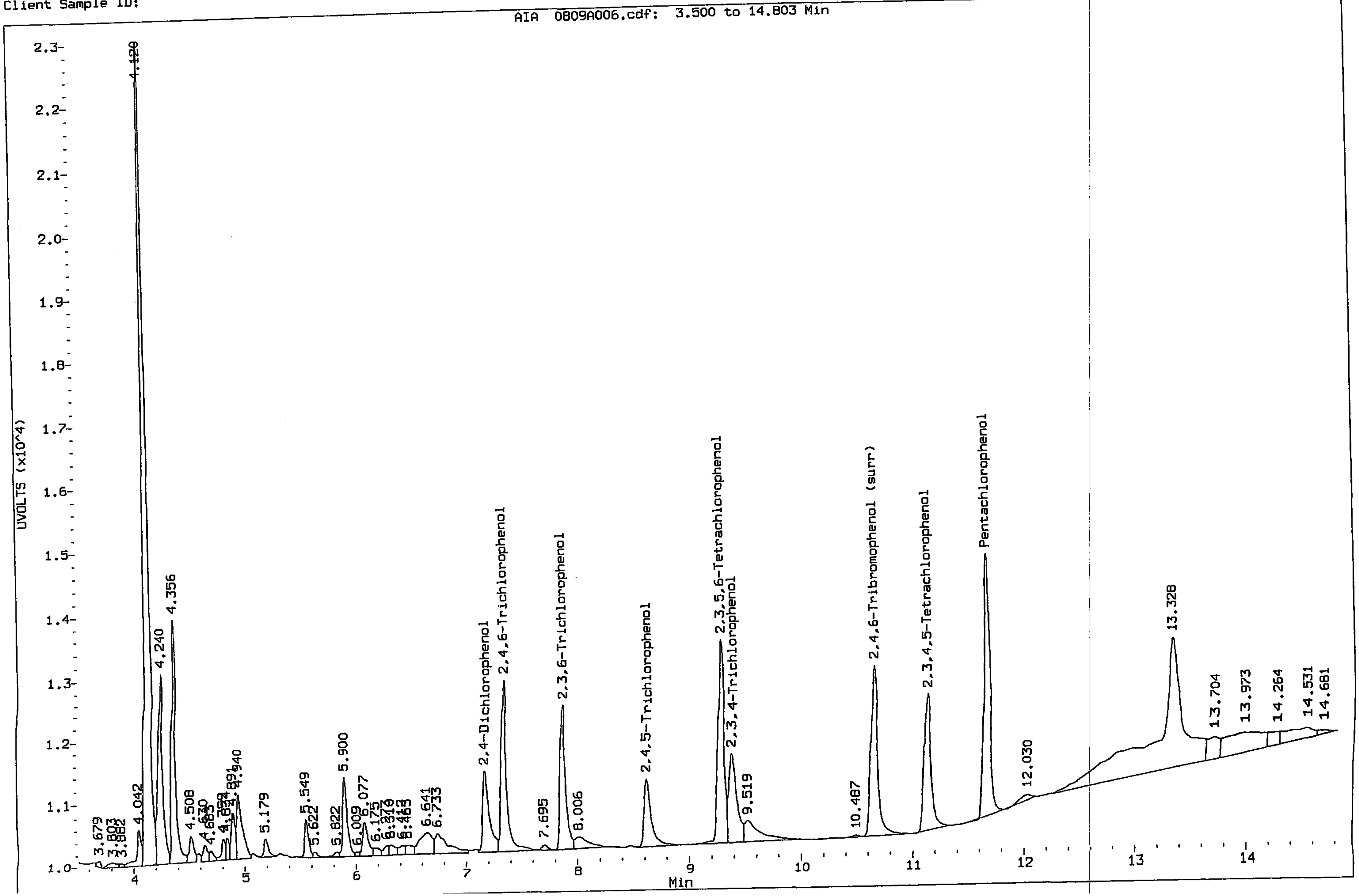
Before 08/12/2010



RG60 : 00804

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
Injection Date: 09-AUG-2010 12:43
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



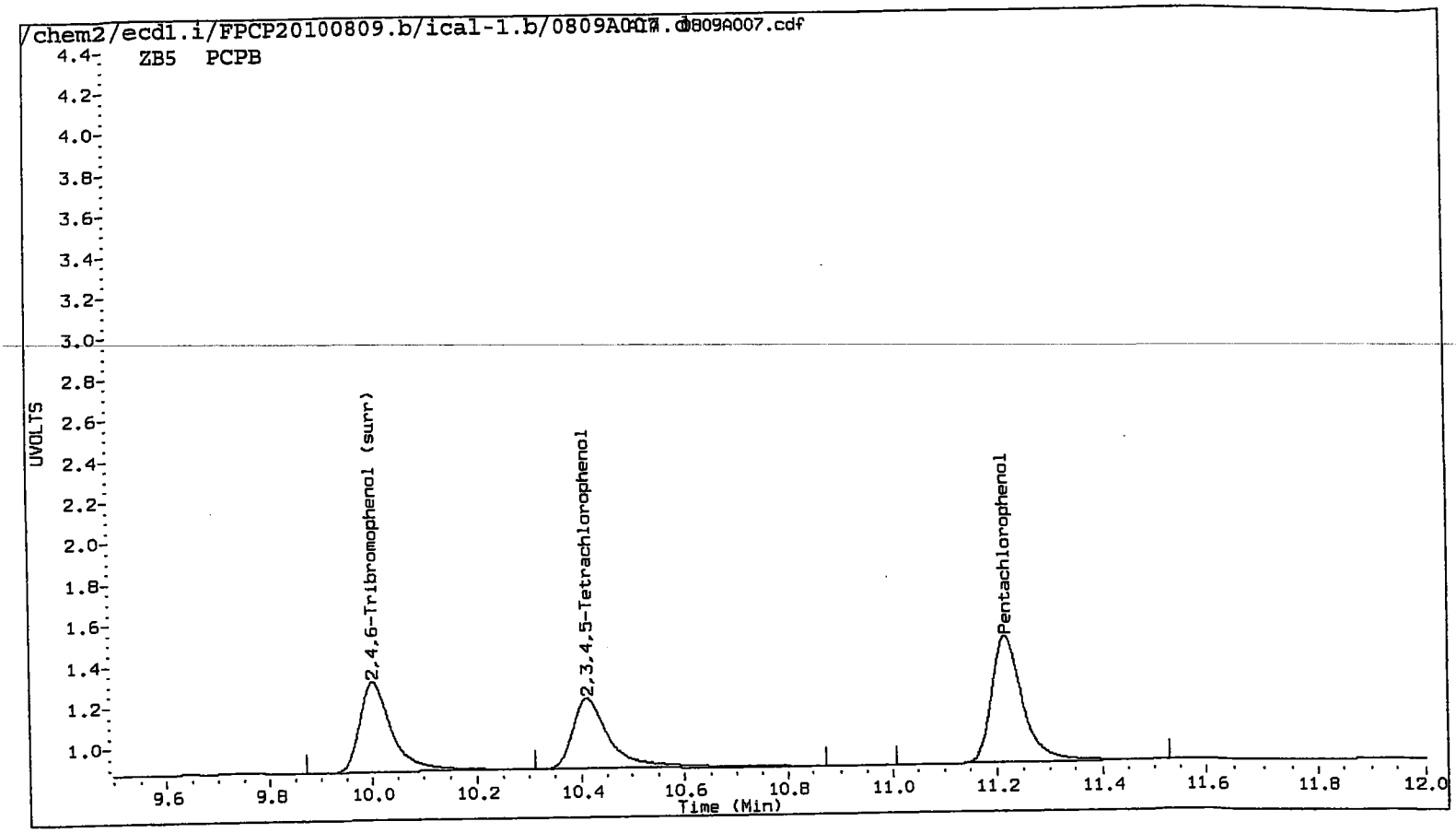
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

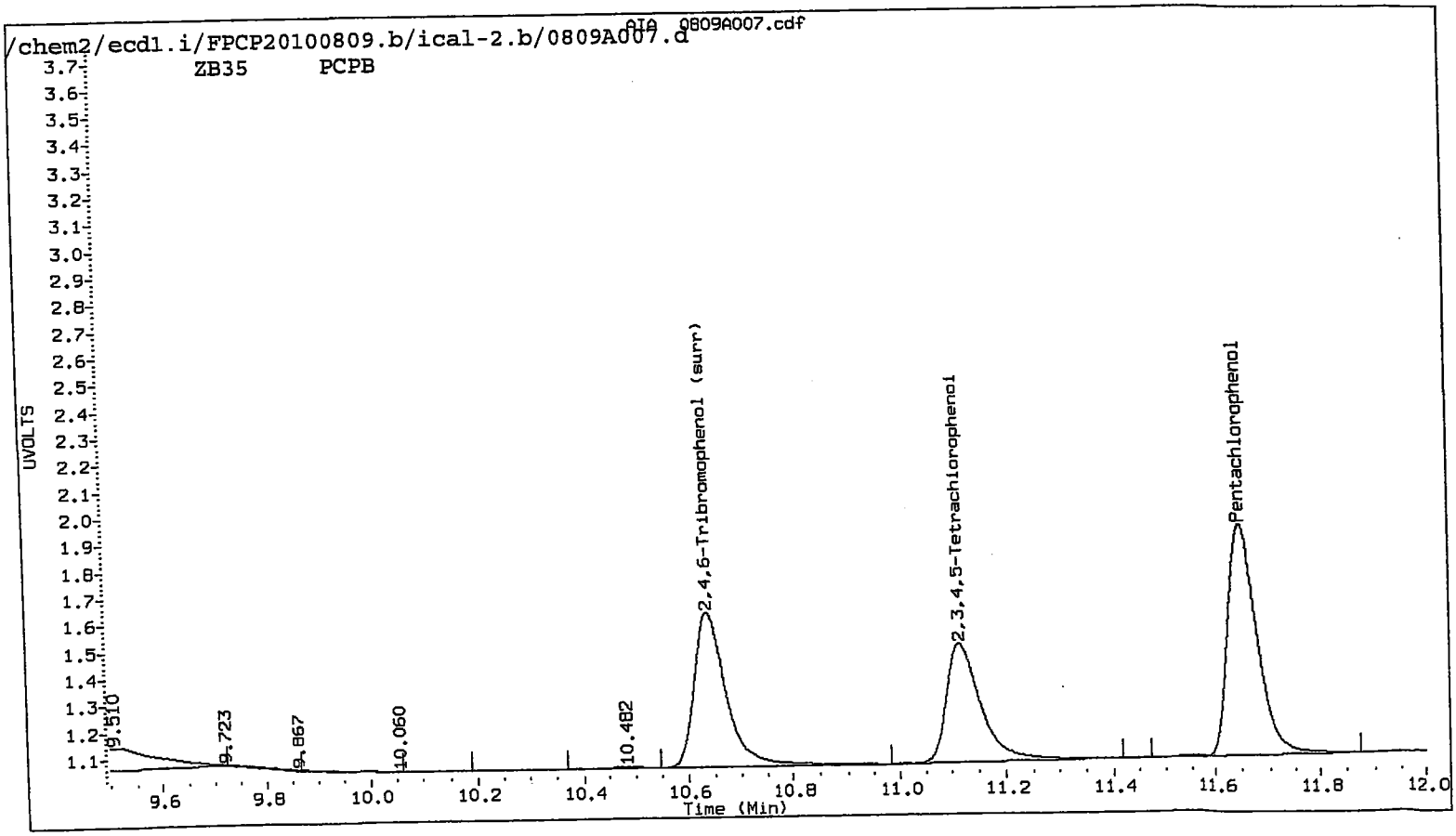
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d ARI ID: PCPB
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar
Injection Date: 09-AUG-2010 13:03
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.219	0.000	123902	11.654	-0.004	156217	7.2292	6.8035	6.1	Pentachlorophenol
7.264	0.000	65457	7.333	0.000	78390	7.0775	6.2789	12.0	2,4,6-Trichlorophenol
7.619	0.000	65624	7.862	-0.002	82392	6.9041	6.6399	3.9	2,3,6-Trichlorophenol
8.242	0.000	33512	8.607	-0.008	48273	6.6393	7.0262	5.7	2,4,5-Trichlorophenol
8.792	0.000	44178	9.373	-0.007	73211	6.4577	7.9367	20.5	2,3,4-Trichlorophenol
9.007	0.000	94127	9.270	-0.007	125627	6.6730	6.7852	1.7	2,3,5,6-Tetrachlorophenol
10.413	0.000	84118	11.119	-0.007	100660	7.1596	6.8989	3.7	2,3,4,5-Tetrachlorophenol
6.893	0.000	39212	7.163	-0.003	45023	67.0259	63.5184	5.4	2,4-Dichlorophenol
10.002	0.000	93741	10.640	-0.006	121487	7.0	6.5	7.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

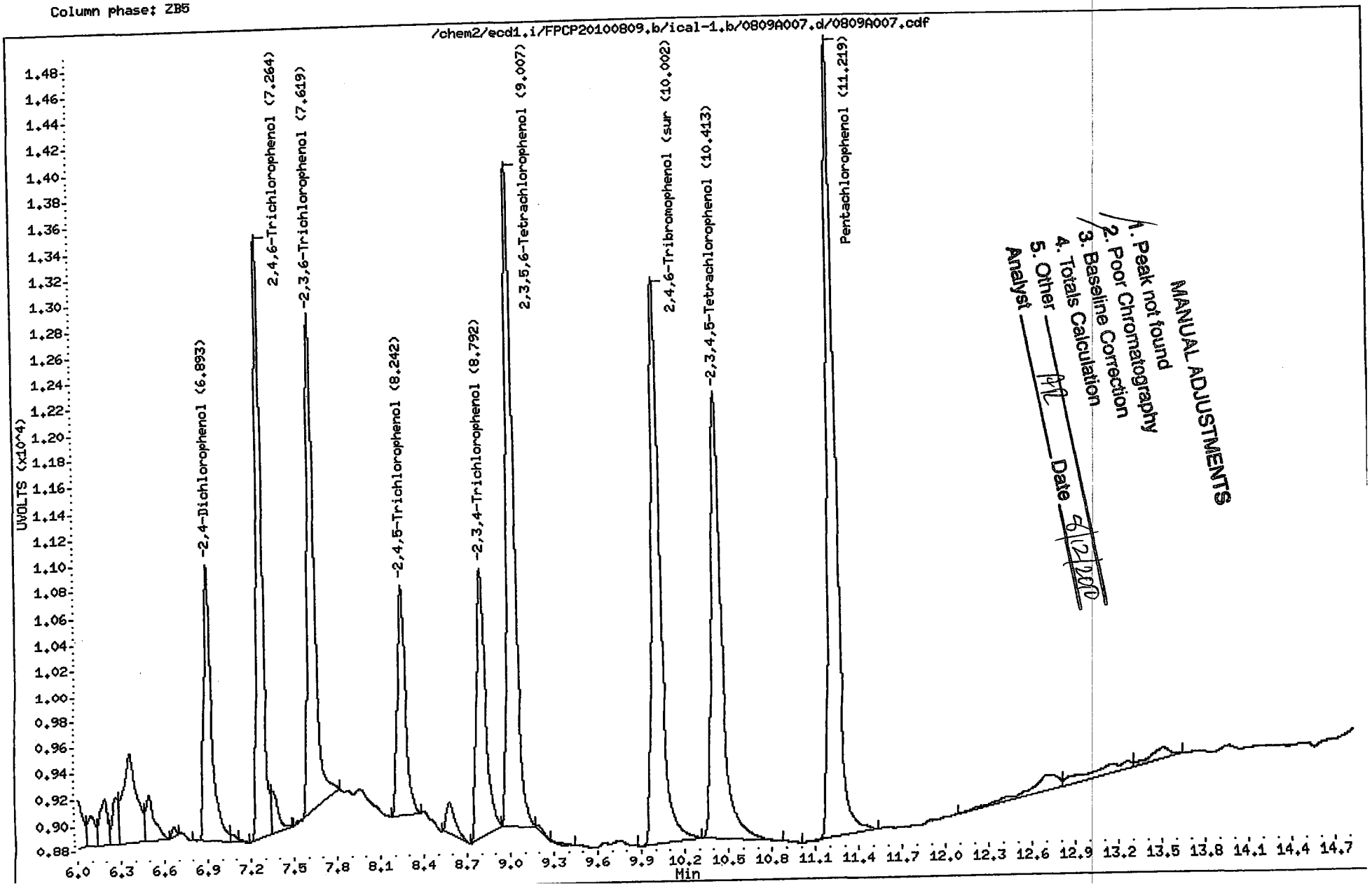
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	28.0	26.0


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d 0809A007.cdf
ZB5 PCPB
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d 0809A007.cdf
ZB35 PCPB
UVOLTS
9.510
9.723
9.867
10.060
10.482
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d
Date : 09-AUG-2010 13:03
Client ID:
Sample Info: PCPB
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53

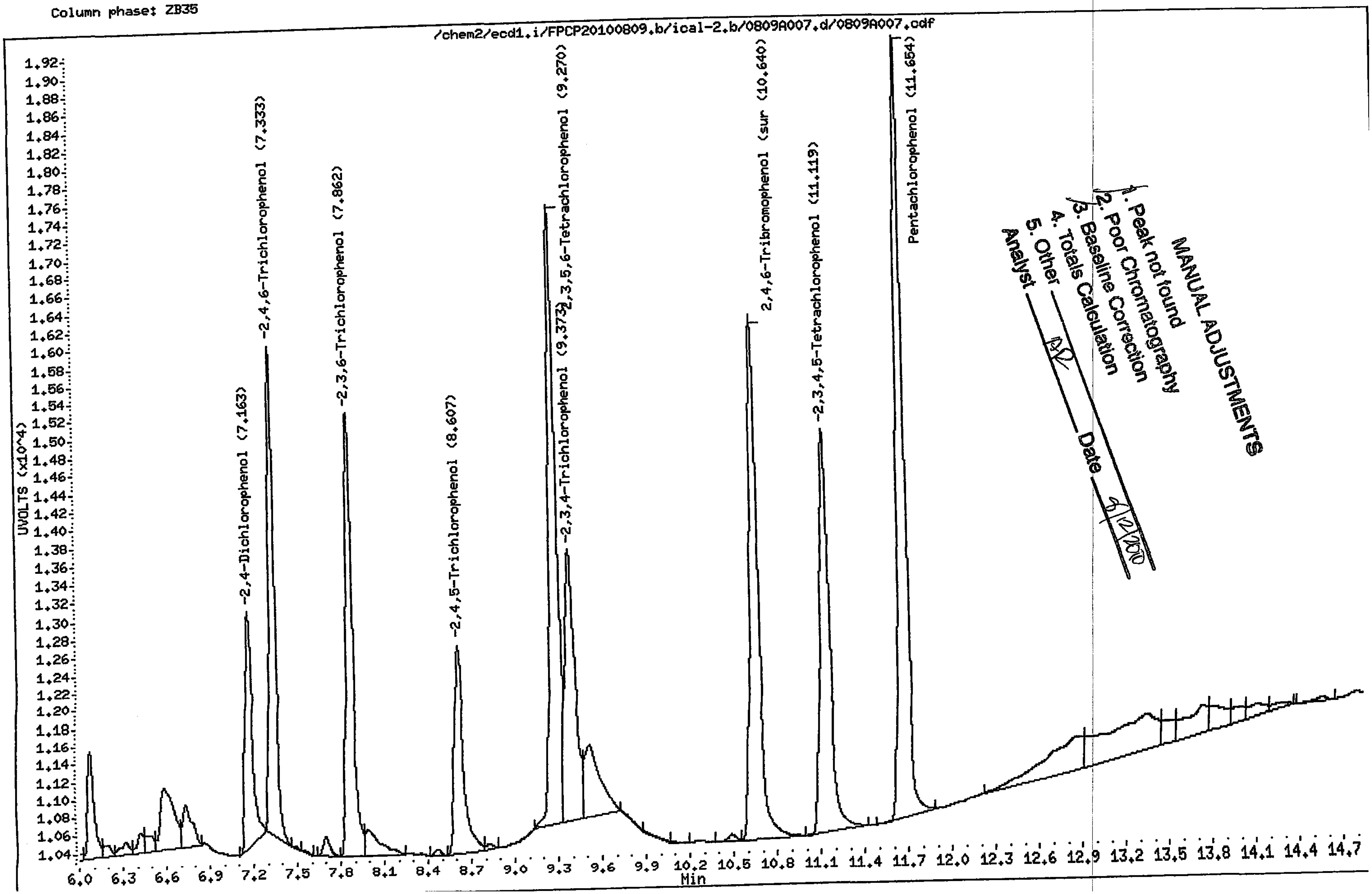


MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst AR Date 8/12/2010

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d
Date : 09-AUG-2010 13:03
Client ID:
Sample Info: PCPB
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53

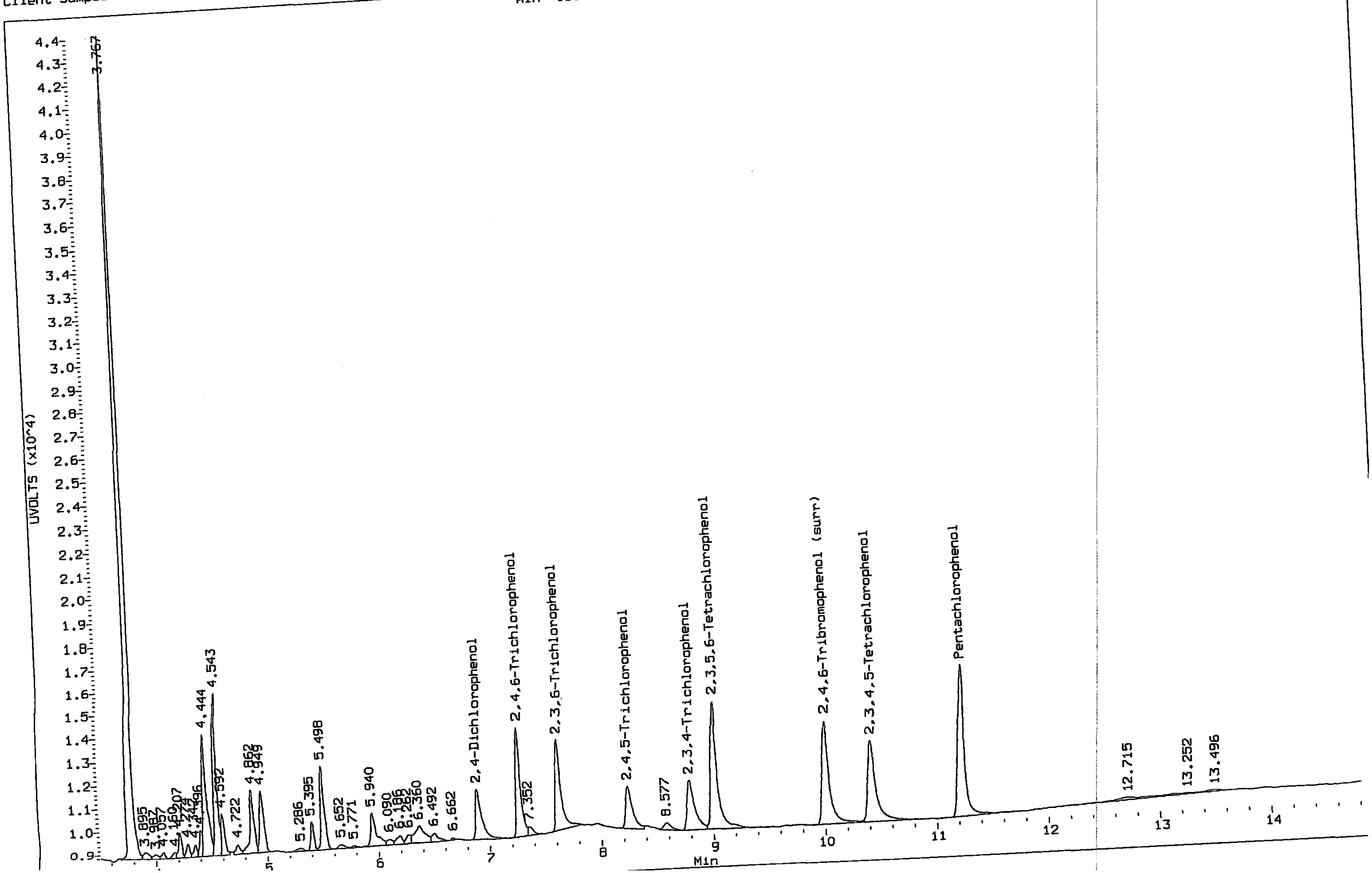


MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst AR Date 9/12/2010

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
Injection Date: 09-AUG-2010 13:03
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010

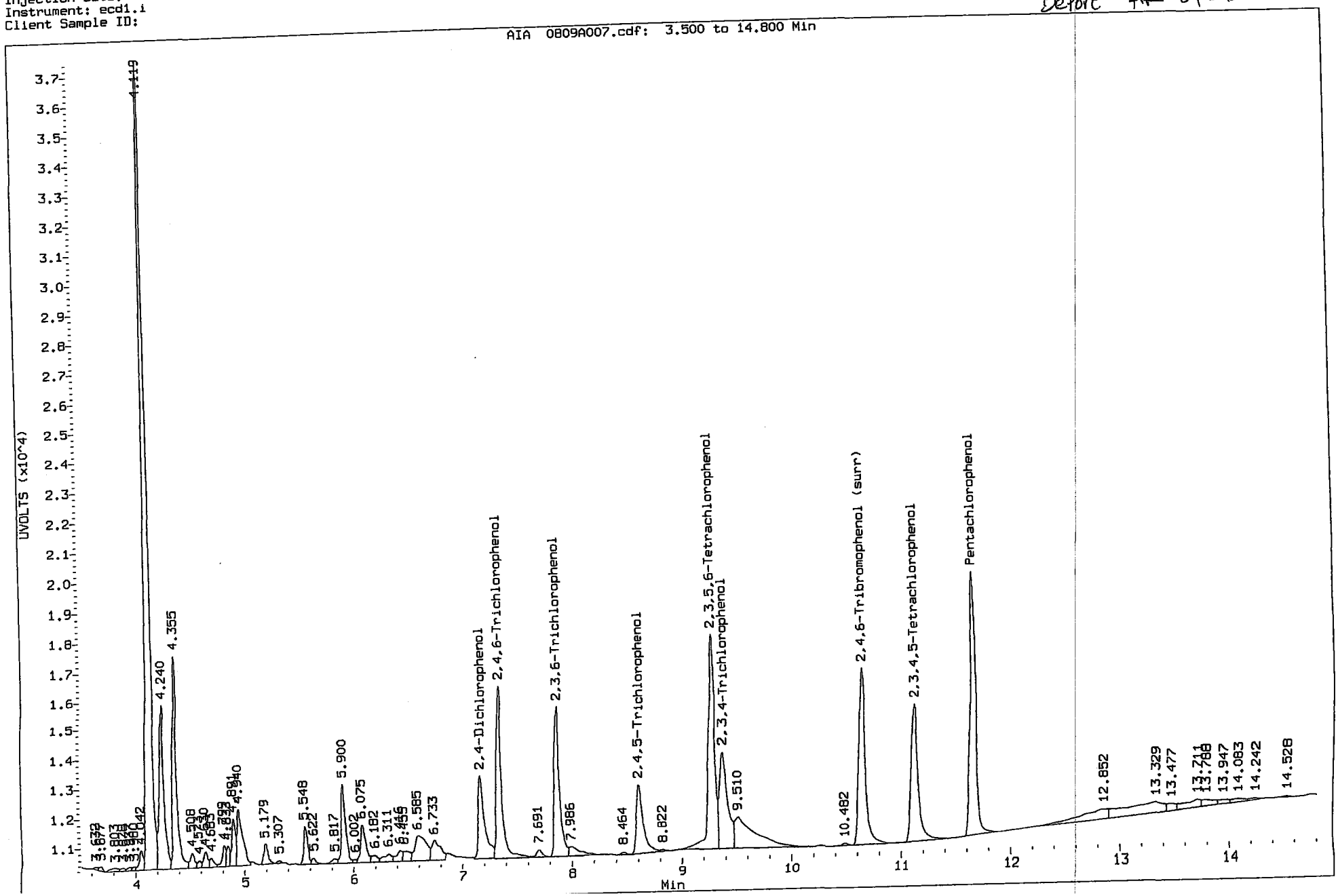
AIA 0809A007.cdf: 3.500 to 14.800 Min



RG60 : 00810

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
Injection Date: 09-AUG-2010 13:03
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

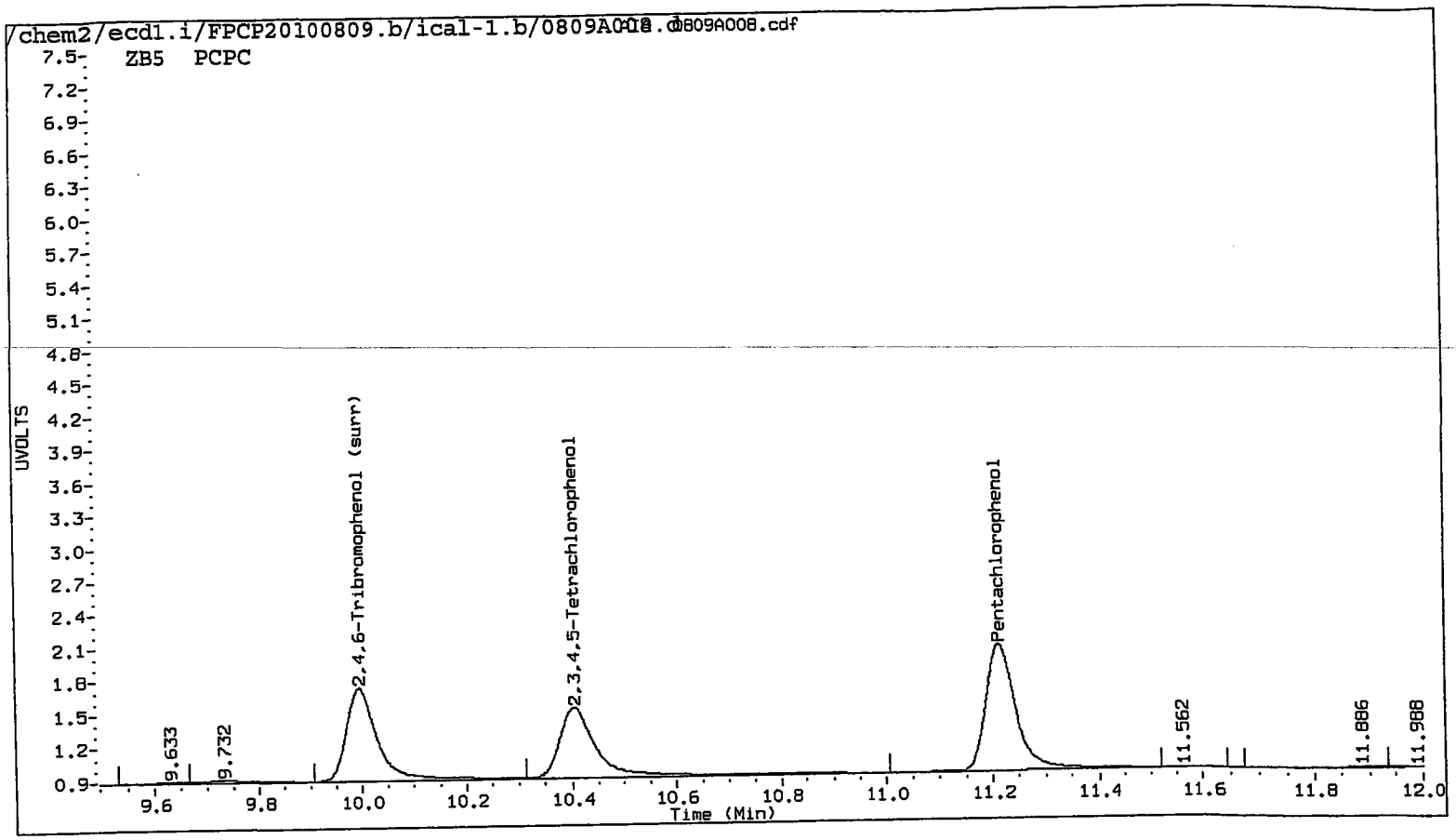
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d ARI ID: PCPC
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar

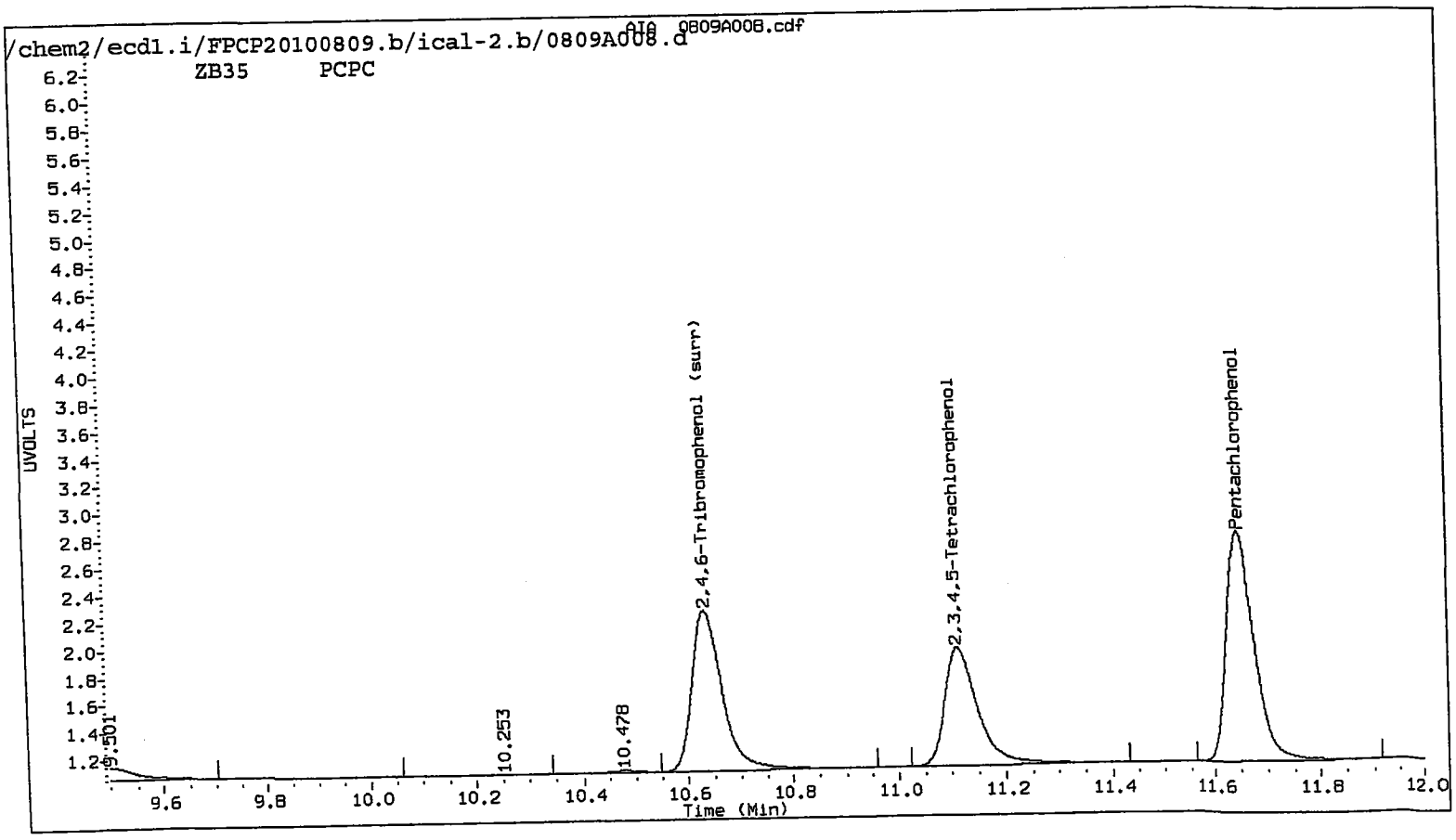
Injection Date: 09-AUG-2010 13:23
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col RT	ZB-5 Col Shift	ZB-5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.215	-0.004	222874	11.652	-0.006	298790	13.5277	13.0127	3.9	Pentachlorophenol
7.263	-0.001	119503	7.331	-0.002	175254	13.3777	14.0376	4.8	2,4,6-Trichlorophenol
7.617	-0.002	120087	7.860	-0.004	157630	12.9827	12.7034	2.2	2,3,6-Trichlorophenol
8.232	-0.010	71098	8.600	-0.015	89400	14.0857	13.5058	4.2	2,4,5-Trichlorophenol
8.780	-0.012	89192	9.365	-0.015	117878	13.0377	13.1515	0.9	2,3,4-Trichlorophenol
9.002	-0.005	187444	9.266	-0.011	232265	13.2886	12.5448	5.8	2,3,5,6-Tetrachlorophenol
10.406	-0.007	153678	11.115	-0.011	189199	13.8120	12.9671	6.3	2,3,4,5-Tetrachlorophenol
6.890	-0.003	76337	7.160	-0.006	91643	141.9985	137.3547	3.3	2,4-Dichlorophenol
9.996	-0.006	174610	10.636	-0.010	235194	13.5	12.6	6.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	53.9	50.4


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
AIA 0809A008.cdf
ZB5 PCPC
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.633
9.732
11.562
11.886
11.988
Time (Min)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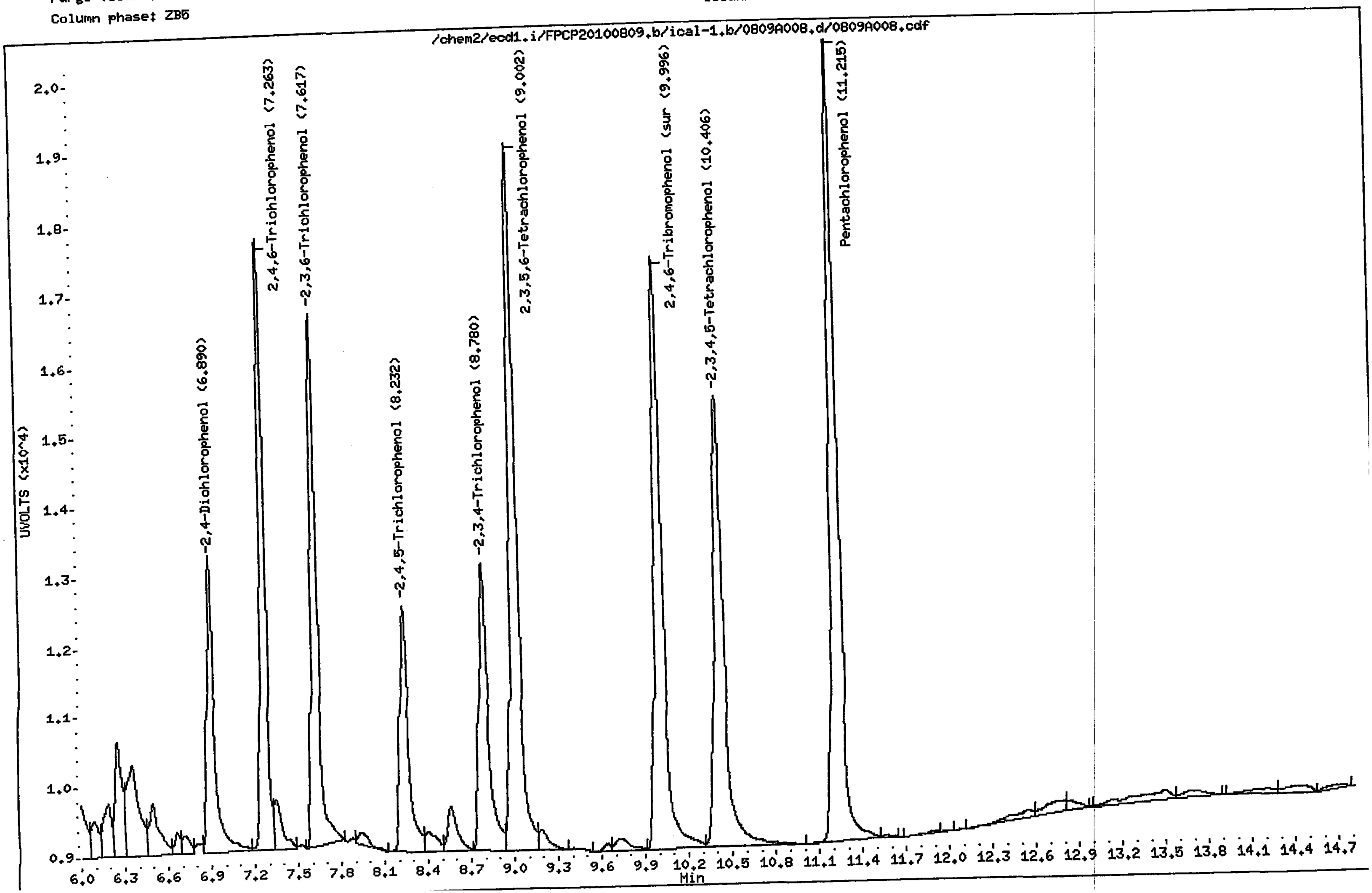
AIA 0809A008.cdf
ZB35 PCPC
UVOLTS
9.501
10.253
10.478
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
Date : 09-AUG-2010 13:23
Client ID:
Sample Info: PCPC
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

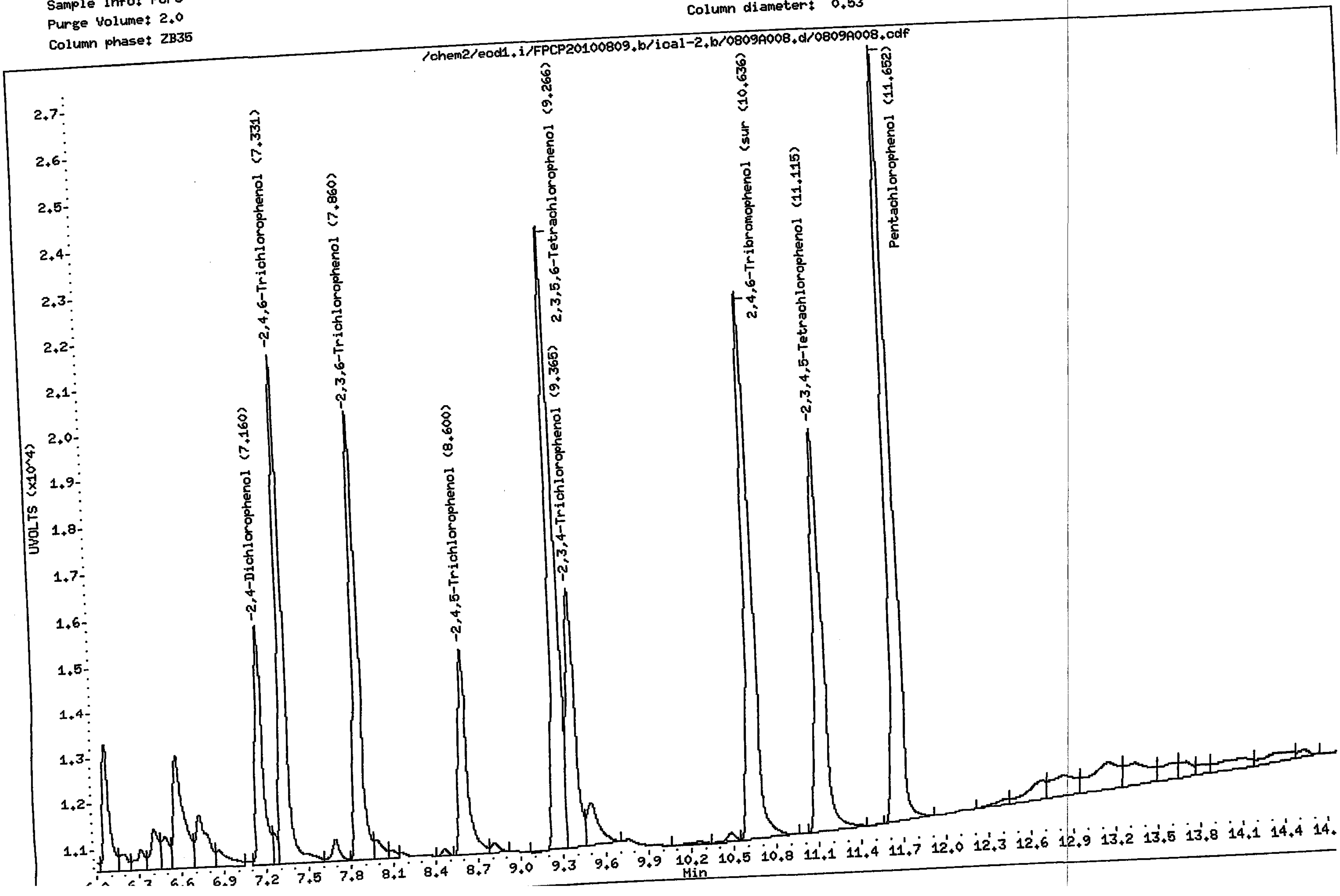
Operator: ar
Column diameter: 0.53



Data File: /chem2/eod1.i/FPCP20100809.b/ical-2.b/0809A008.d
Date : 09-AUG-2010 13:23
Client ID:
Sample Info: PCPC
Purge Volume: 2.0
Column phase: ZB35

Instrument: eod1.i

Operator: ar
Column diameter: 0.53



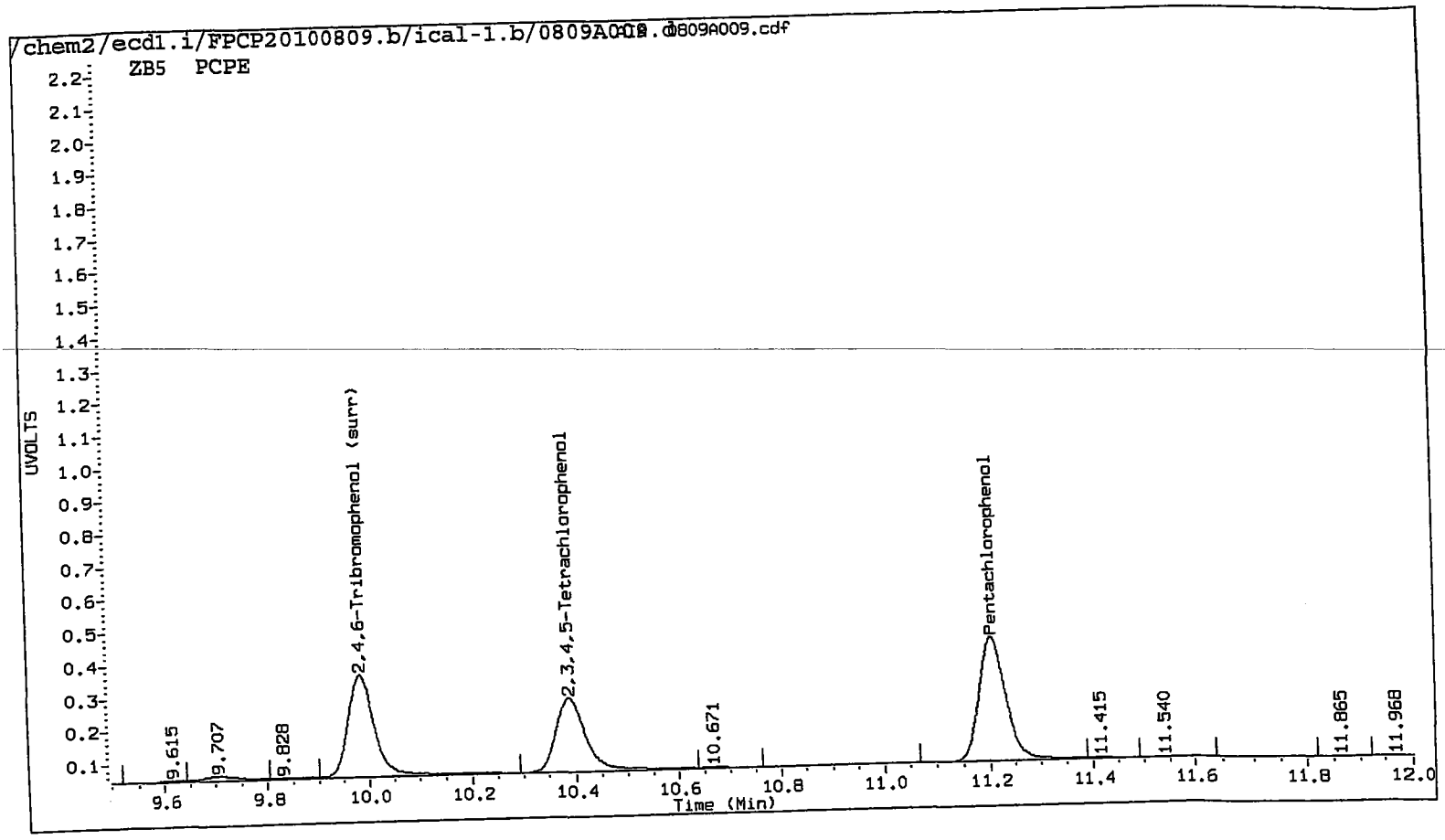
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

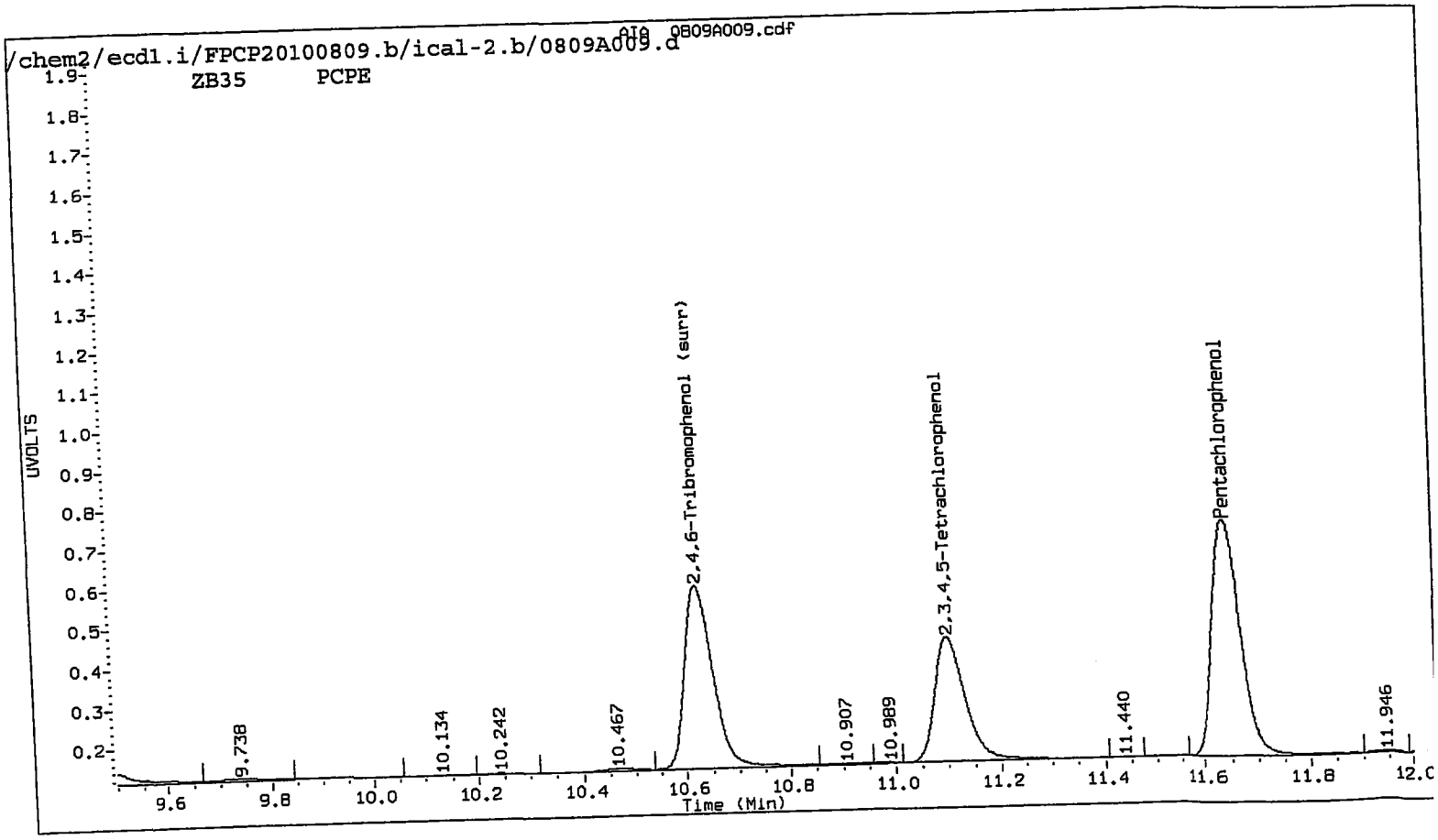
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d ARI ID: PCPE
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 13:43
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.206	-0.013	684285	11.645	-0.013	1025332	49.0326	44.6545	9.3	Pentachlorophenol
7.259	-0.005	376941	7.327	-0.006	561100	49.0547	44.9434	8.7	2,4,6-Trichlorophenol
7.611	-0.008	401238	7.855	-0.009	556890	49.3933	44.8796	9.6	2,3,6-Trichlorophenol
8.212	-0.030	214503	8.586	-0.029	278412	42.4967	49.1247	14.5	2,4,5-Trichlorophenol
8.760	-0.032	273728	9.351	-0.029	376624	40.0123	48.9147	20.0	2,3,4-Trichlorophenol
8.990	-0.017	594124	9.256	-0.021	833297	42.1197	45.0070	6.6	2,3,5,6-Tetrachlorophenol
10.389	-0.024	444734	11.103	-0.023	639912	48.8325	43.8575	10.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	204471	7.153	-0.013	267768	486.7918	490.3559	0.7	2,4-Dichlorophenol
9.984	-0.018	559983	10.626	-0.020	861309	49.4	46.1	6.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

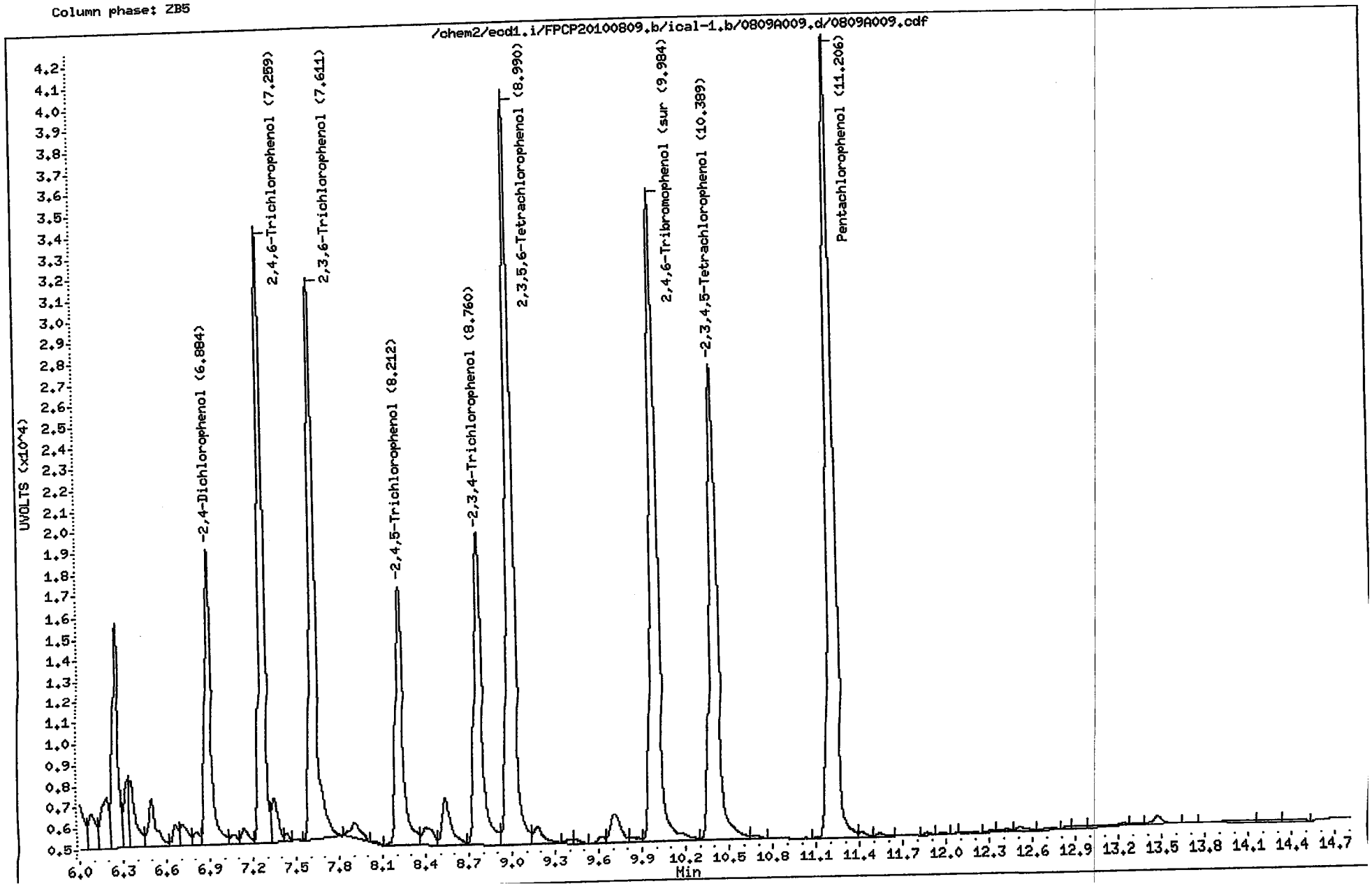
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	197.7	184.6


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
AI: 0809A009.cdf
ZB5 PCPE
UVOLTS
2.4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.615
9.707
9.828
10.671
11.415
11.540
11.865
11.968
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
AI: 0809A009.cdf
ZB35 PCPE
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.738
10.134
10.242
10.467
10.907
10.989
11.440
11.946
Time (Min)

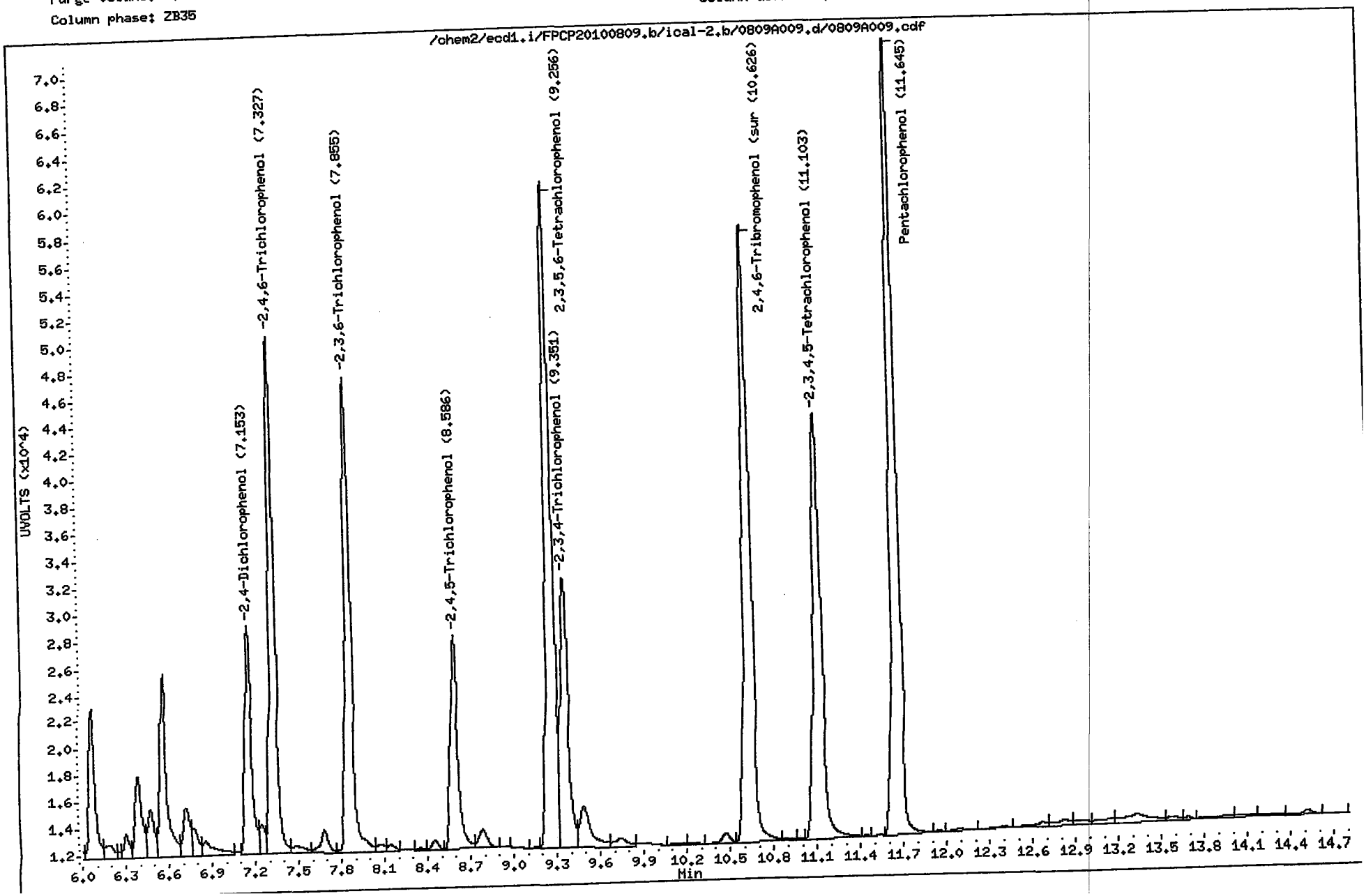
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
Date : 09-AUG-2010 13:43
Client ID:
Sample Info: PCPE
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
Date : 09-AUG-2010 13:43
Client ID:
Sample Info: PCPE
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



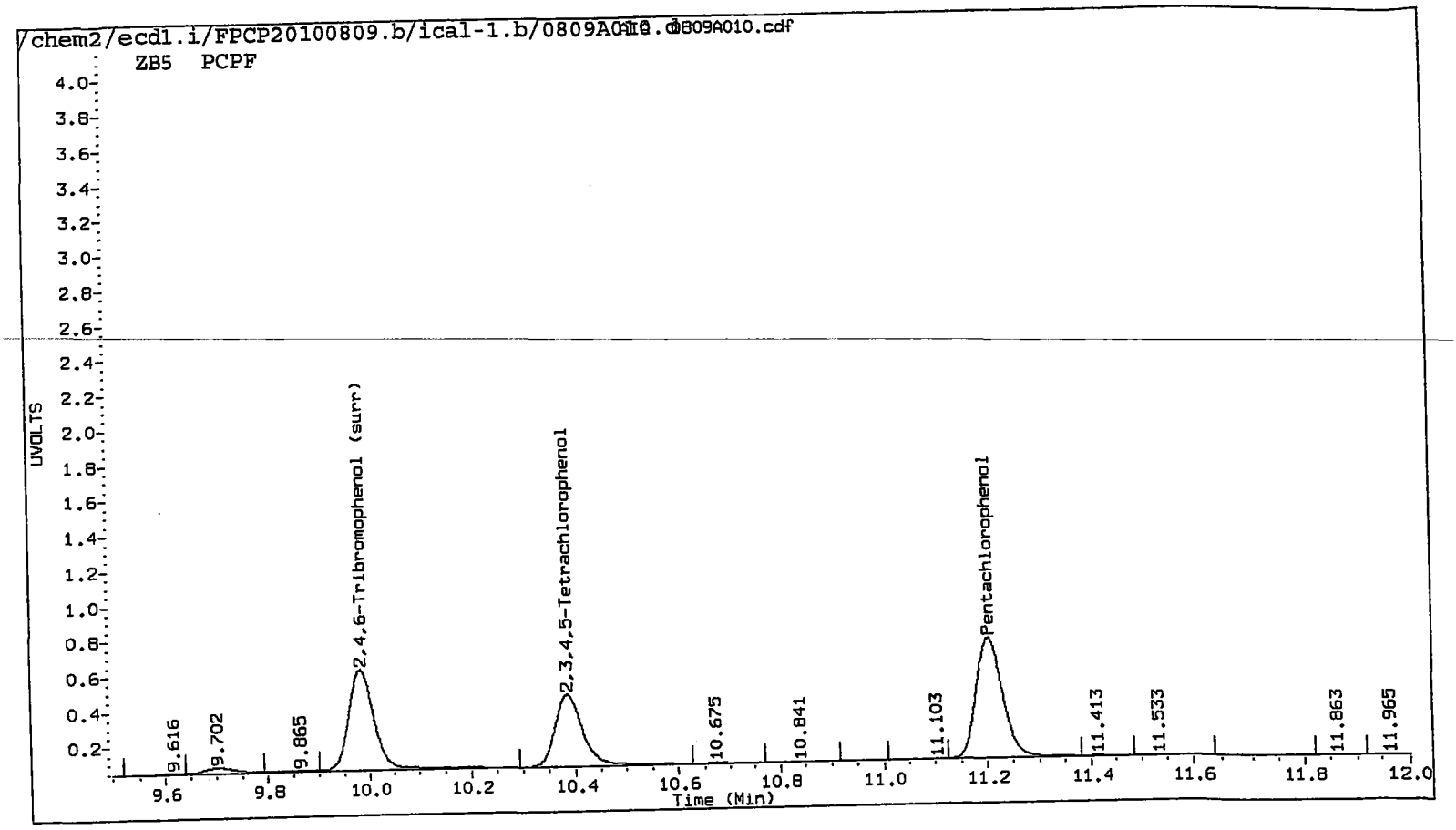
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

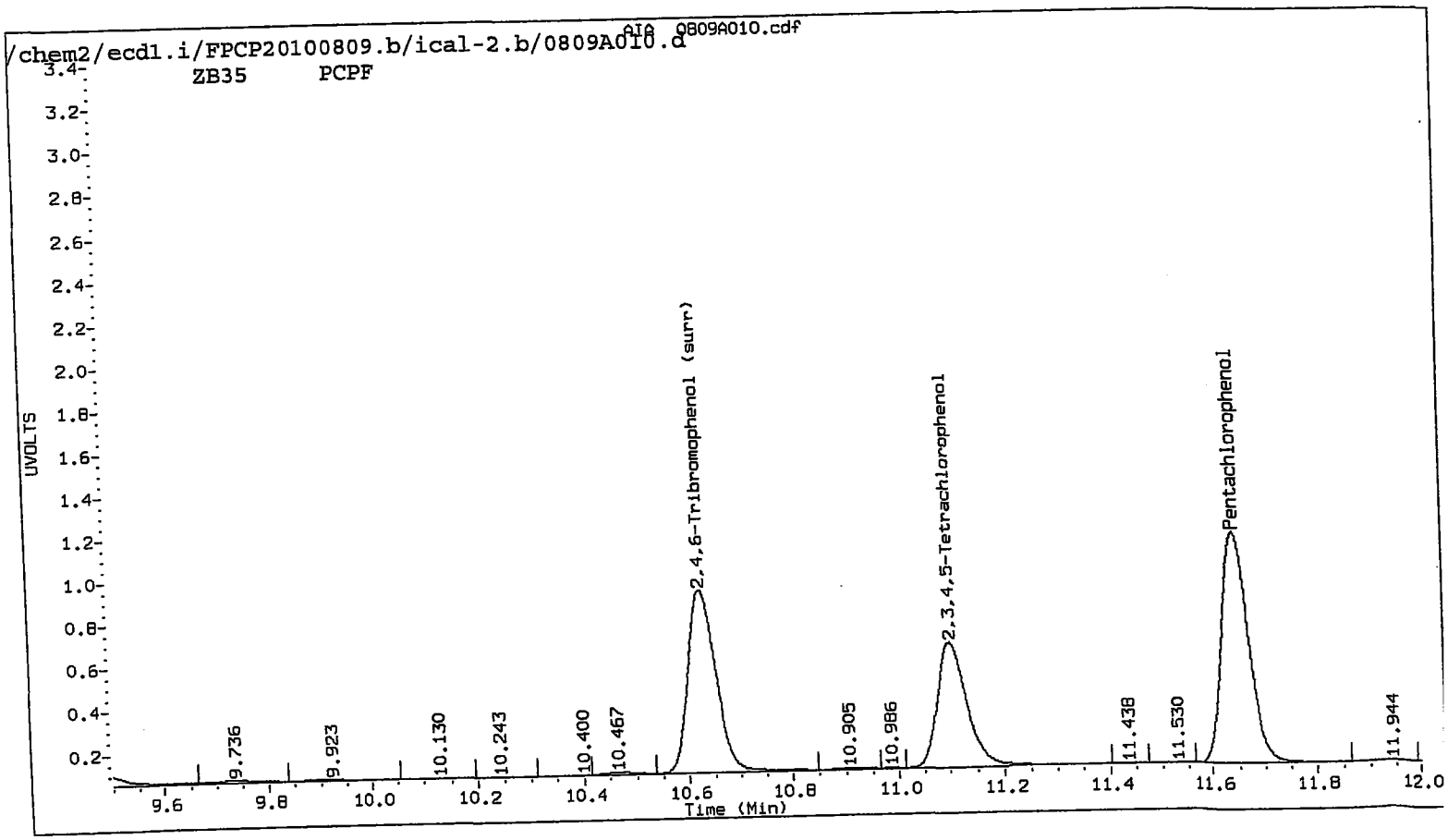
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d ARI ID: PCPF
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar
Injection Date: 09-AUG-2010 14:03
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.206	-0.013	1196534	11.646	-0.012	1836826	100.2949	79.9961	22.5	Pentachlorophenol
7.260	-0.004	665977	7.328	-0.005	1007057	100.2742	80.6640	21.7	2,4,6-Trichlorophenol
7.612	-0.007	716085	7.856	-0.008	1010769	100.1734	81.4576	20.6	2,3,6-Trichlorophenol
8.209	-0.033	362686	8.584	-0.031	489569	71.8542	100.2604	33.0	2,4,5-Trichlorophenol
8.756	-0.036	505263	9.349	-0.031	666942	73.8571	100.3206	30.4	2,3,4-Trichlorophenol
8.990	-0.017	1055773	9.257	-0.020	1529812	74.8477	82.6263	9.9	2,3,5,6-Tetrachloropheno
10.387	-0.026	762767	11.103	-0.023	1154091	100.3602	79.0976	23.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	341711	7.153	-0.013	457854	1004.0557	1002.7434	0.1	2,4-Dichlorophenol
9.983	-0.019	994034	10.627	-0.019	1608339	100.2	86.2	15.1	2,4,6-Tribromophenol (surr

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	400.8	344.6


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d
AIA 0809A010.cdf
ZB5 PCPF
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.616
9.702
9.865
10.675
10.841
11.103
11.413
11.533
11.863
11.965
Time (Min)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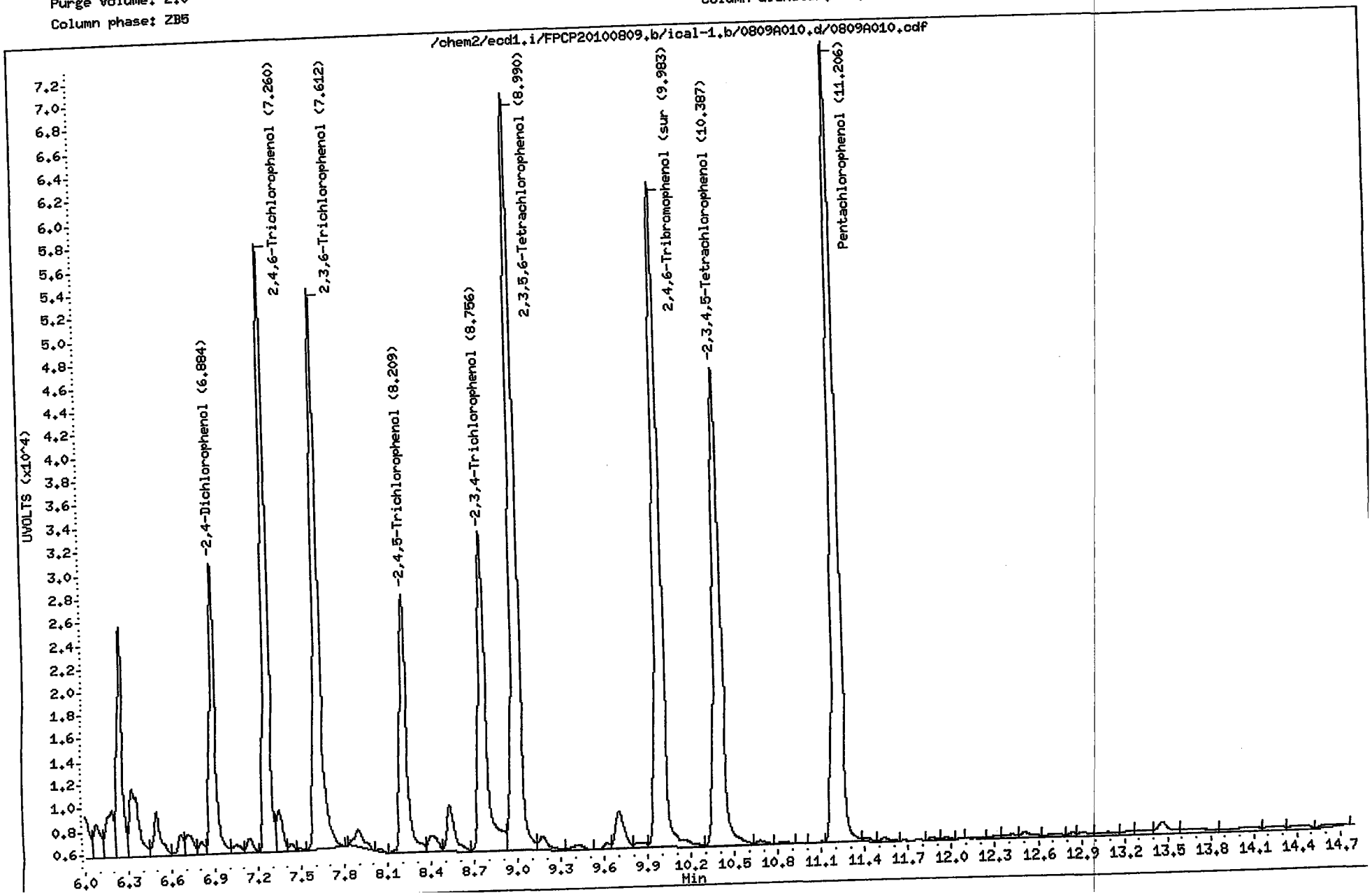
AIA 0809A010.cdf
ZB35 PCPF
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.736
9.923
10.130
10.243
10.400
10.467
10.905
10.986
11.438
11.530
11.944
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d
Date : 09-AUG-2010 14:03
Client ID:
Sample Info: PCPF
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



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Date : 09-AUG-2010 14:03

Client ID:

Sample Info: PCPF

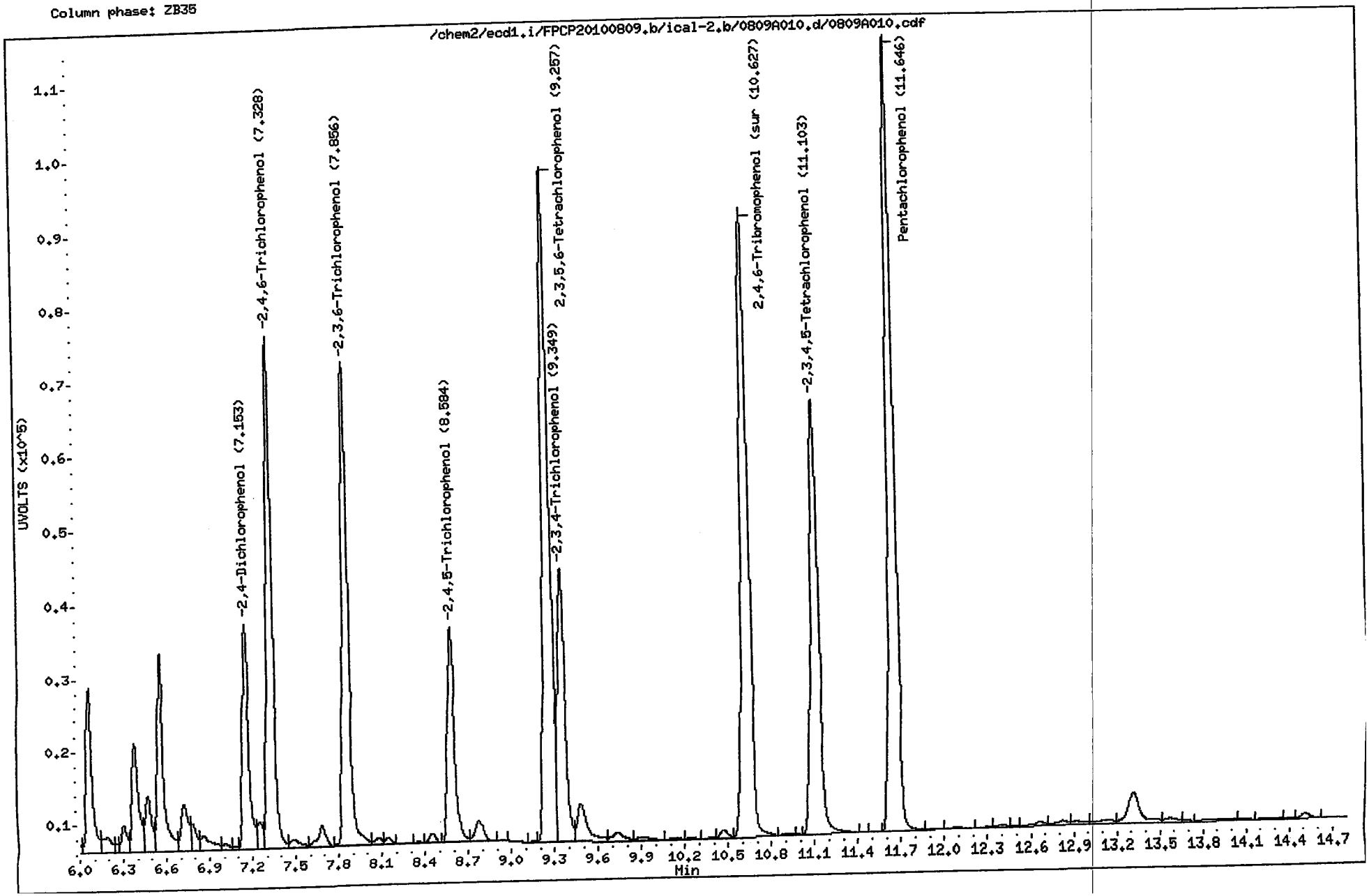
Purge Volume: 2.0

Column phase: ZB35

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



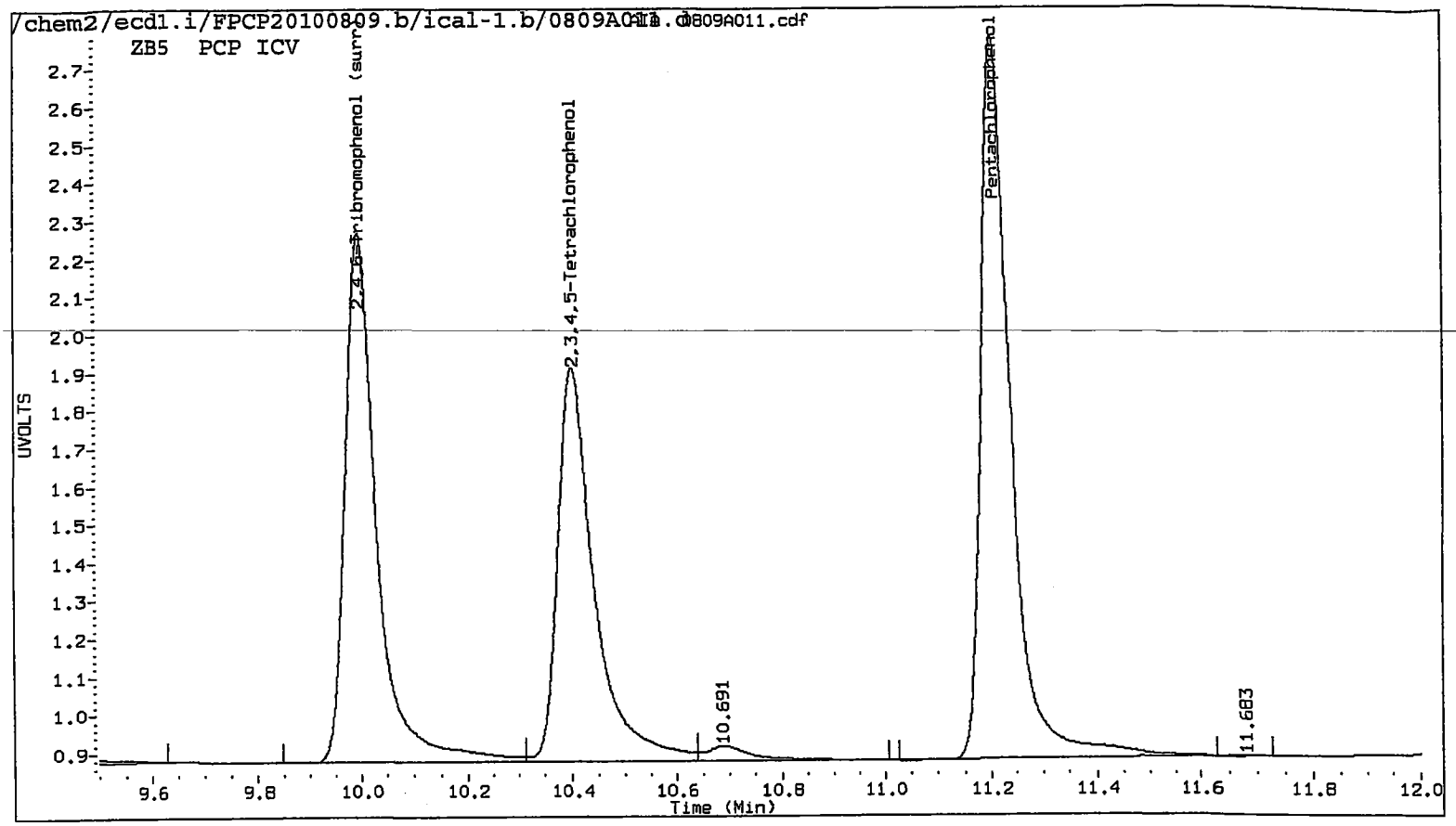
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A011.d ARI ID: PCP ICV
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 14:23
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.215	-0.004	379790	11.652	-0.006	529883	24.4673	23.0771	5.8	Pentachlorophenol
7.262	-0.002	205092	7.330	-0.003	298811	24.1995	23.9344	1.1	2,4,6-Trichlorophenol
7.616	-0.003	218352	7.859	-0.005	286346	24.7503	23.0765	7.0	2,3,6-Trichlorophenol
8.230	-0.012	122402	8.599	-0.016	148542	24.2499	23.6199	2.6	2,4,5-Trichlorophenol
8.781	-0.011	146955	9.367	-0.013	237744	21.4812	28.5412	28.2	2,3,4-Trichlorophenol
9.000	-0.007	327277	9.265	-0.012	434865	23.2019	23.4874	1.2	2,3,5,6-Tetrachlorophenol
10.405	-0.008	246924	11.114	-0.012	318432	23.7688	21.8243	8.5	2,3,4,5-Tetrachlorophenol
6.888	-0.005	114813	7.158	-0.008	155429	231.5174	251.6722	8.3	2,4-Dichlorophenol
9.997	-0.005	292116	10.636	-0.010	411868	23.5	22.1	6.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	97.9	92.3
2,4,6-Trichlorophenol	96.8	95.7
2,3,6-Trichlorophenol	99.0	92.3
2,4,5-Trichlorophenol	97.0	94.5
2,3,4-Trichlorophenol	85.9	114.2
2,3,5,6-Tetrachlorophenol	92.8	93.9
2,3,4,5-Tetrachlorophenol	95.1	87.3
2,4-Dichlorophenol	92.6	100.7
2,4,6-TBP (surr)	47.0	44.1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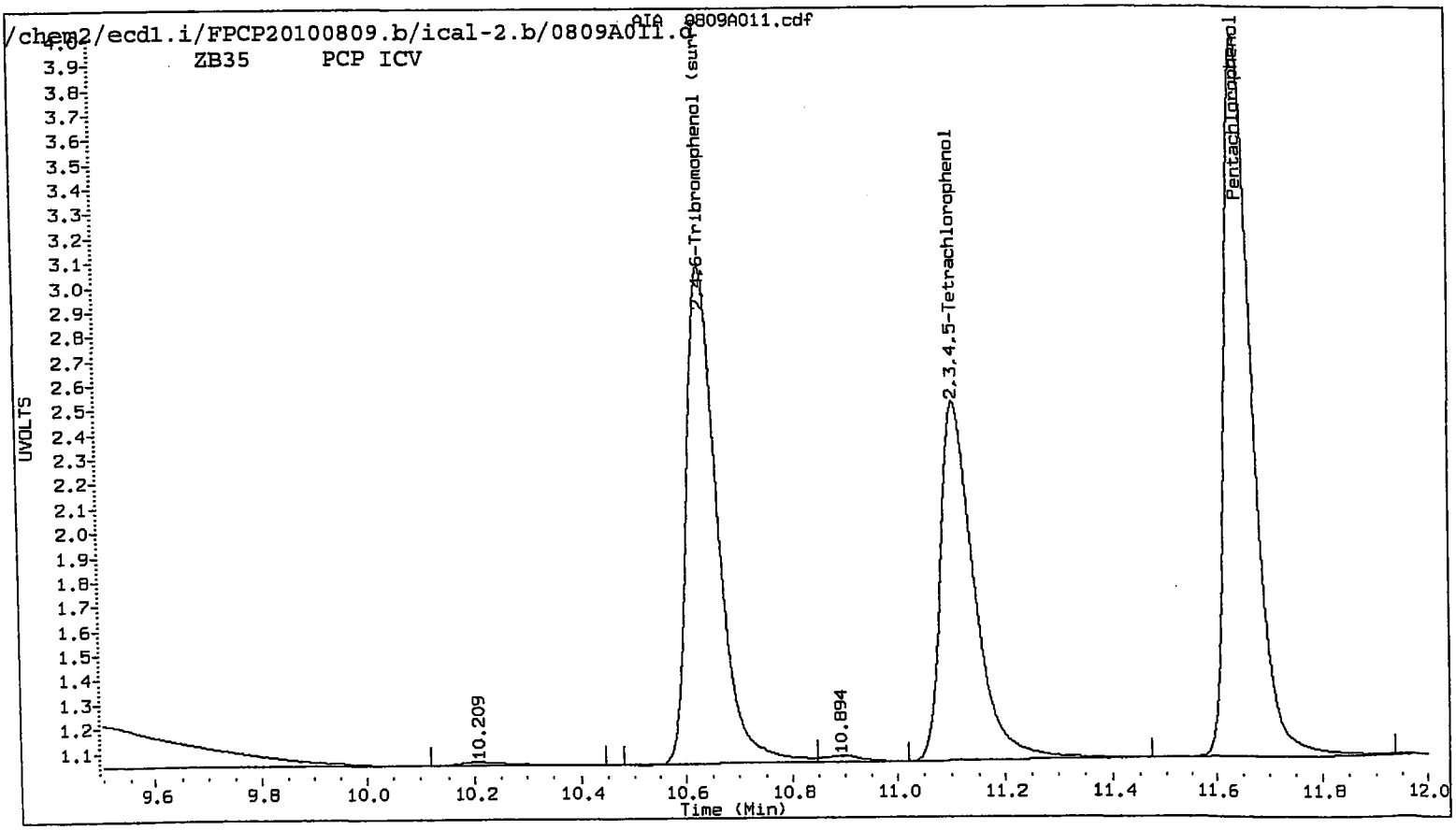
AIA 0809A011.cdf
ZB5 PCP ICV
2,4,6-Tribromophenol (surr
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
10.691
11.683
UVOLTS
Time (Min)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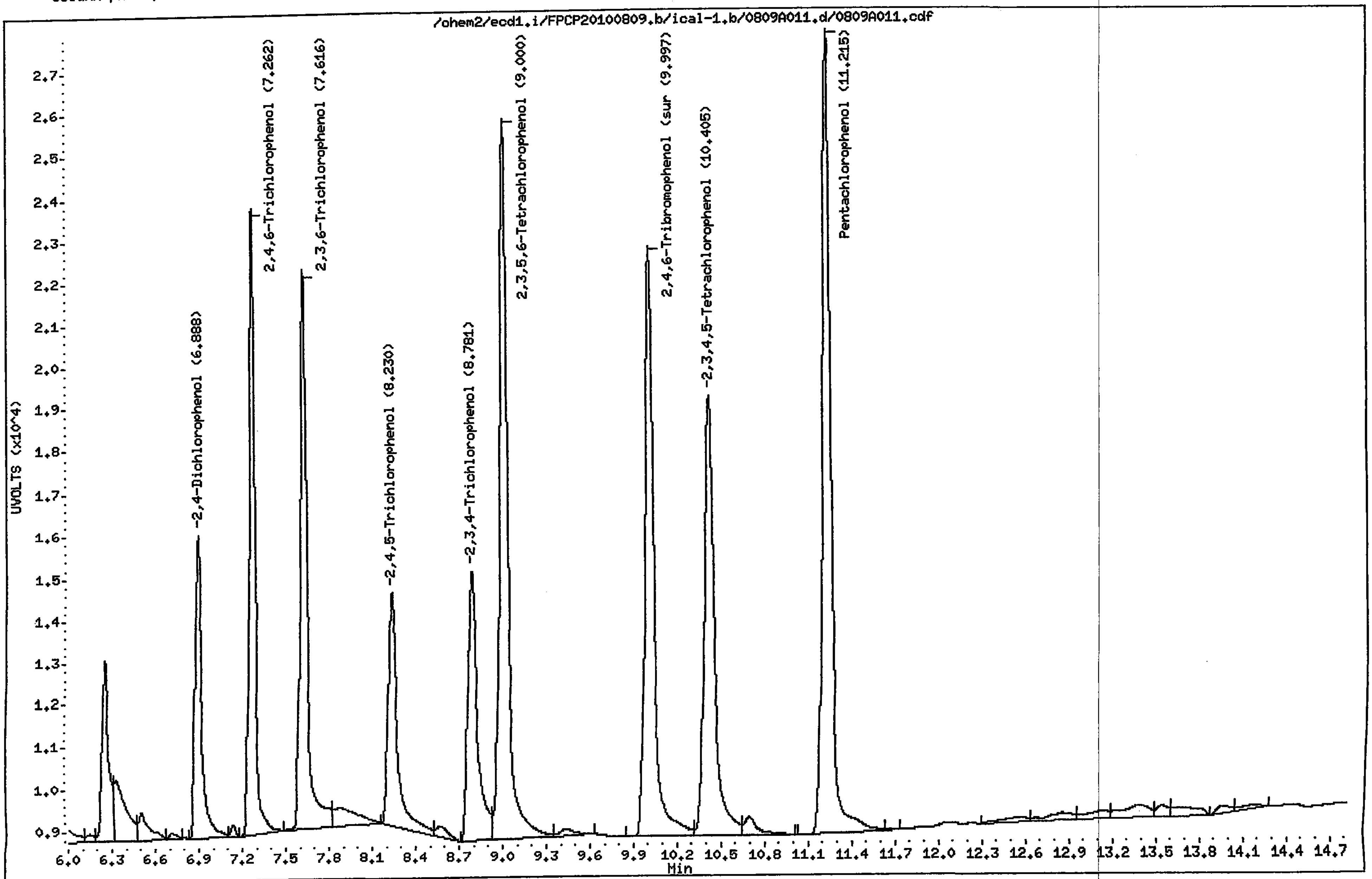
AIA 0809A011.cdf
ZB35 PCP ICV
2,4,6-Tribromophenol (surr
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
10.209
10.894
UVOLTS
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A011.d
Date : 09-AUG-2010 14:23
Client ID:
Sample Info: PCP ICV
Purge Volume: 2.0
Column phase: ZB5

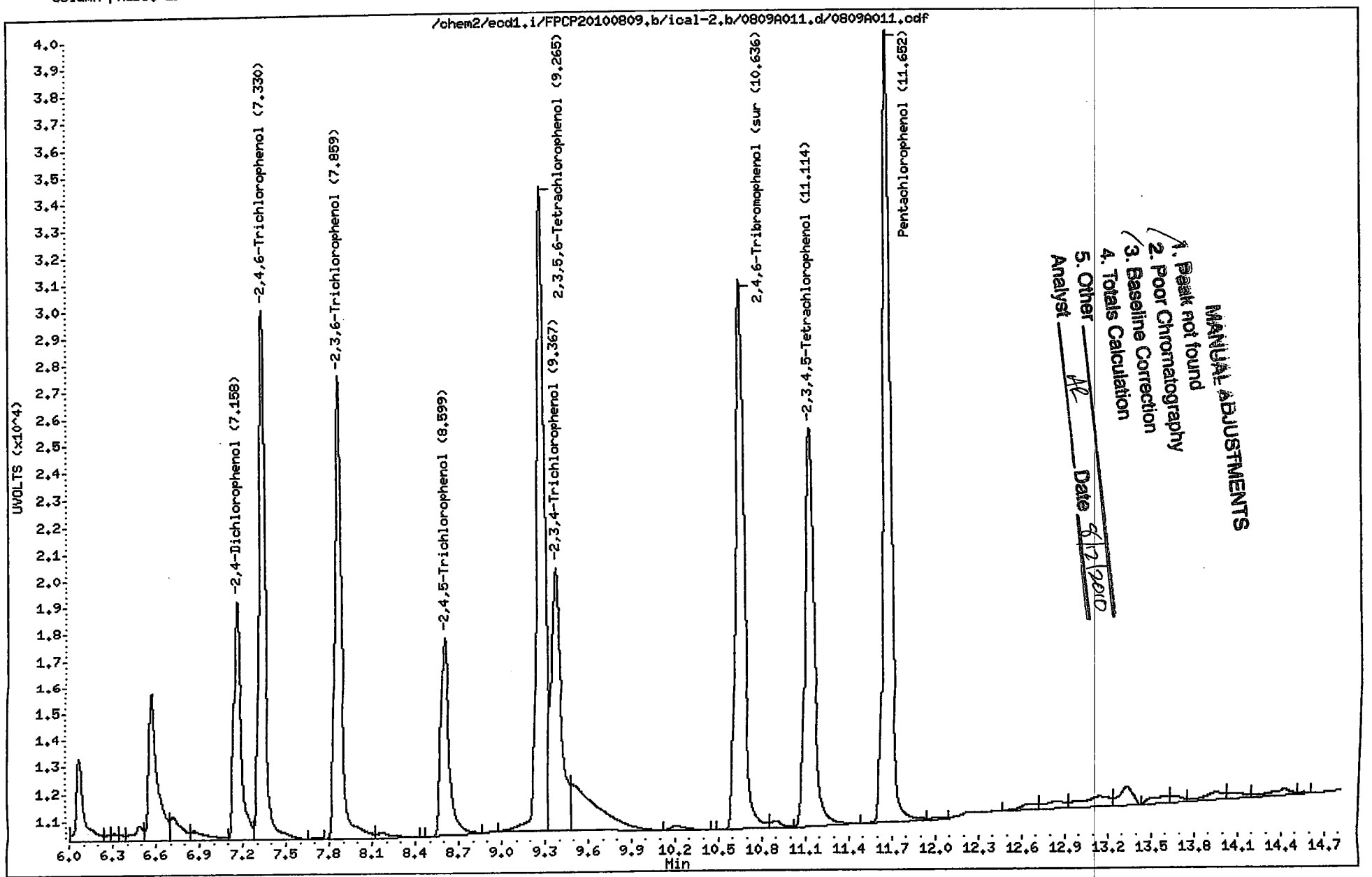
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



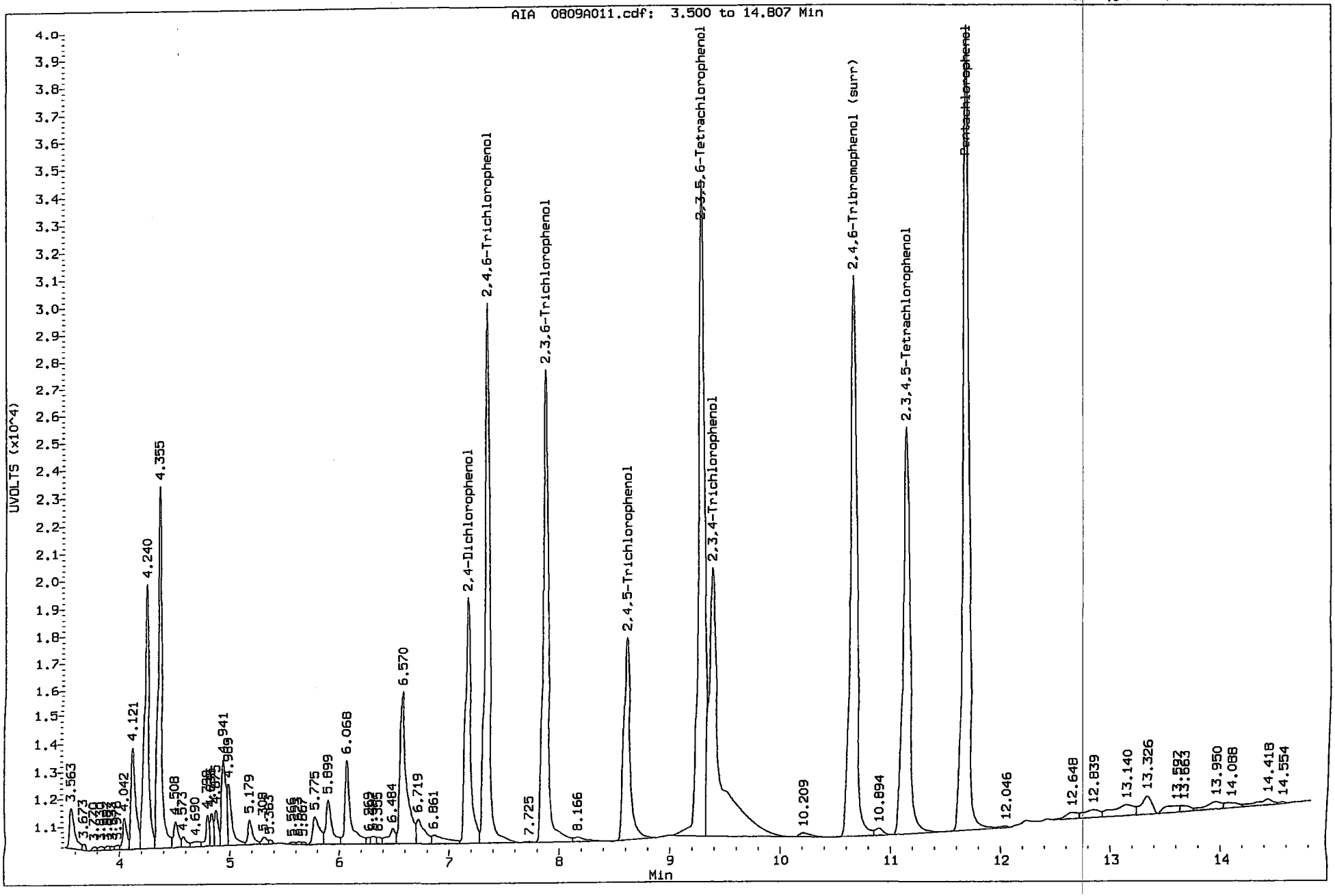
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d
Date : 09-AUG-2010 14:23
Client ID:
Sample Info: PCP ICV
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d/0809A011.cdf
Injection Date: 09-AUG-2010 14:23
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



PCP/Chlorophenols Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG60

Analytical Resources Inc.: Organics Instrument Log

ECD1 Serial No.: 3410A39690

Date: 8/13/2010 Analysis: Cl. Phenols Analyst: AR

GC Program: PCPFAST.M Column No: 150608/148146 Column Type: ZB 5/35

Instrument Tune (.U or .CT.): NA EM Voltage: NA

Calibration File: FPCP20100809.b AR 8/13 Curve Date: 8/9/2010

IS/SS	Ical/Ccal	LCS/ICV
	1663-2	1703-2
	1739-1	1731-2

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/0813-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	13-AUG-2010 09:23	0813A001.d	1	PRIMER	
2	13-AUG-2010 09:43	0813A002.d	1	PRIMER	
3	13-AUG-2010 10:03	0813A003.d	1	PRIMER	
4	13-AUG-2010 10:23	0813A004.d	1	PRIMER	
5	13-AUG-2010 10:43	0813A005.d	1	PCP CCAL	
6	13-AUG-2010 11:03	0813A006.d	1	RG58MBS1	
7	13-AUG-2010 11:23	0813A007.d	1	RG58LCSS1	
8	13-AUG-2010 11:43	0813A008.d	1	RG58A	
9	13-AUG-2010 12:03	0813A009.d	1	RG58B	
10	13-AUG-2010 12:23	0813A010.d	1	RG58C	
11	13-AUG-2010 12:43	0813A011.d	1	RG58IMSD	
12	13-AUG-2010 13:03	0813A012.d	1	RG58J	
13	13-AUG-2010 13:23	0813A013.d	1	RG58K	
14	13-AUG-2010 13:44	0813A014.d	1	RG58L	
15	13-AUG-2010 14:04	0813A015.d	1	RG58M	
16	13-AUG-2010 14:24	0813A016.d	1	RG58N	
17	13-AUG-2010 14:44	0813A017.d	1	RG58O	
18	13-AUG-2010 15:04	0813A018.d	1	RG58P	
19	13-AUG-2010 15:24	0813A019.d	1	PCP	
20	13-AUG-2010 15:44	0813A020.d	1	PCP CCAL	
21	13-AUG-2010 16:04	0813A021.d	1	RG58Q	
22	13-AUG-2010 16:24	0813A022.d	1	RG58R	
23	13-AUG-2010 16:44	0813A023.d	1	RG58S	
24	13-AUG-2010 17:04	0813A024.d	1	PCP	
25	13-AUG-2010 17:24	0813A025.d	1	PCP CCAL	
26	13-AUG-2010 17:44	0813A026.d	1	RG54MBS1	
27	13-AUG-2010 18:04	0813A027.d	1	RG54LCSS1	
28	13-AUG-2010 18:24	0813A028.d	1	RG54A	
29	13-AUG-2010 18:44	0813A029.d	1	RG54AMS	
30	13-AUG-2010 19:04	0813A030.d	1	RG54AMSD	
31	13-AUG-2010 19:24	0813A031.d	1	RG54B	
32	13-AUG-2010 19:44	0813A032.d	1	RG54C	
33	13-AUG-2010 20:04	0813A033.d	1	RG54E	
34	13-AUG-2010 20:24	0813A034.d	1	RG54F	
35	13-AUG-2010 20:44	0813A035.d	1	RG54H	
36	13-AUG-2010 21:04	0813A036.d	1	PCP	
37	13-AUG-2010 21:24	0813A037.d	1	PCP CCAL	
38	13-AUG-2010 21:44	0813A038.d	1	RG54I	
39	13-AUG-2010 22:04	0813A039.d	1	RG54J	
40	13-AUG-2010 22:24	0813A040.d	1	RG54K	
41	13-AUG-2010 22:44	0813A041.d	1	RG54L	
42	13-AUG-2010 23:04	0813A042.d	1	RG60A	
43	13-AUG-2010 23:24	0813A043.d	1	RG60B	
44	13-AUG-2010 23:44	0813A044.d	1	RG60C	
45	14-AUG-2010 00:04	0813A045.d	1	RG60D	
46	14-AUG-2010 00:24	0813A046.d	1	RG60E	
47	14-AUG-2010 00:44	0813A047.d	1	RG60F	
48	14-AUG-2010 01:04	0813A048.d	1	PCP	
49	14-AUG-2010 01:24	0813A049.d	1	PCP CCAL	
50	14-AUG-2010 01:44	0813A050.d	1	RG51A	
51	14-AUG-2010 02:04	0813A051.d	1	RG51G	
52	14-AUG-2010 02:24	0813A052.d	1	PCP	
53	14-AUG-2010 02:44	0813A053.d	1	PCP CCAL	

Maintenance / Comments

AR 8/20/2010

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.

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG60 Client ID: Floyd/Snider

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): PCP

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 08/09/10 Analysis Start: 08/13/10

Endrin/DDT Breakdown <15%? YES / NO / NA
Method Blank In Control? YES / NO
ICal Meets RF & %RSD Criteria? YES / NO
LCS/LCSD Recovery In Control? YES / NO
CCal Meets RF & %RSD Criteria? YES / NO
Surrogate Recovery In Control? YES / NO
Manual Integrations for ICal? YES / NO
Manual Integrations for Samples? YES / NO
Internal Standard Meets Criteria? YES / NO / NA
Special Analysis Criteria Met? YES / NO / NA

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

QC passes some at lower limits.

Additional Details on Reverse: Yes / No

Analyst: YZ **Date:** 8/18/10

Reviewer: B **Date:** 8/18/10

Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

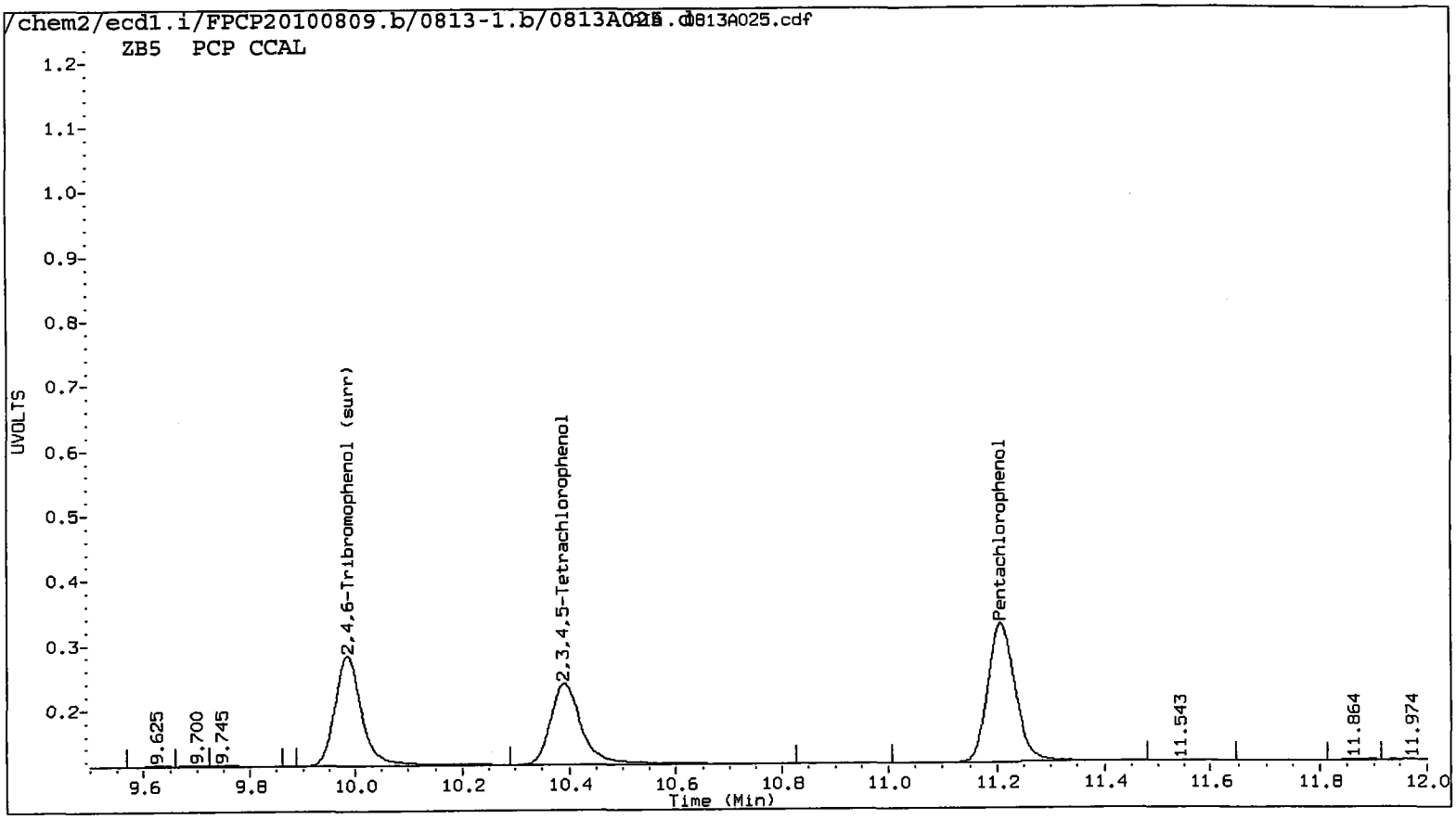
YZ 8/18/10

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A025.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A025.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 17:24
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.208	-0.011	383226	11.645	-0.013	549843	24.7200	23.9464	3.2	Pentachlorophenol
7.259	-0.005	213750	7.327	-0.006	327596	25.3519	26.2400	3.4	2,4,6-Trichlorophenol
7.612	-0.007	204943	7.855	-0.009	301029	23.0838	24.2598	5.0	2,3,6-Trichlorophenol
8.214	-0.028	124918	8.587	-0.028	160813	24.7484	25.8360	4.3	2,4,5-Trichlorophenol
8.764	-0.028	160568	9.352	-0.028	210568	23.4711	24.8738	5.8	2,3,4-Trichlorophenol
8.991	-0.016	340347	9.257	-0.020	464958	24.1285	25.1127	4.0	2,3,5,6-Tetrachlorophenol
10.391	-0.022	254656	11.103	-0.023	343260	24.6479	23.5259	4.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	112964	7.154	-0.012	155473	226.9403	251.7564	10.4	2,4-Dichlorophenol
9.985	-0.017	306195	10.627	-0.019	460431	24.8	24.7	0.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	98.9	95.8
2,4,6-Trichlorophenol	101.4	105.0
2,3,6-Trichlorophenol	92.3	97.0
2,4,5-Trichlorophenol	99.0	103.3
2,3,4-Trichlorophenol	93.9	99.5
2,3,5,6-Tetrachlorophenol	96.5	100.5
2,3,4,5-Tetrachlorophenol	98.6	94.1
2,4-Dichlorophenol	90.8	100.7
2,4,6-TBP (surr)	99.1	98.7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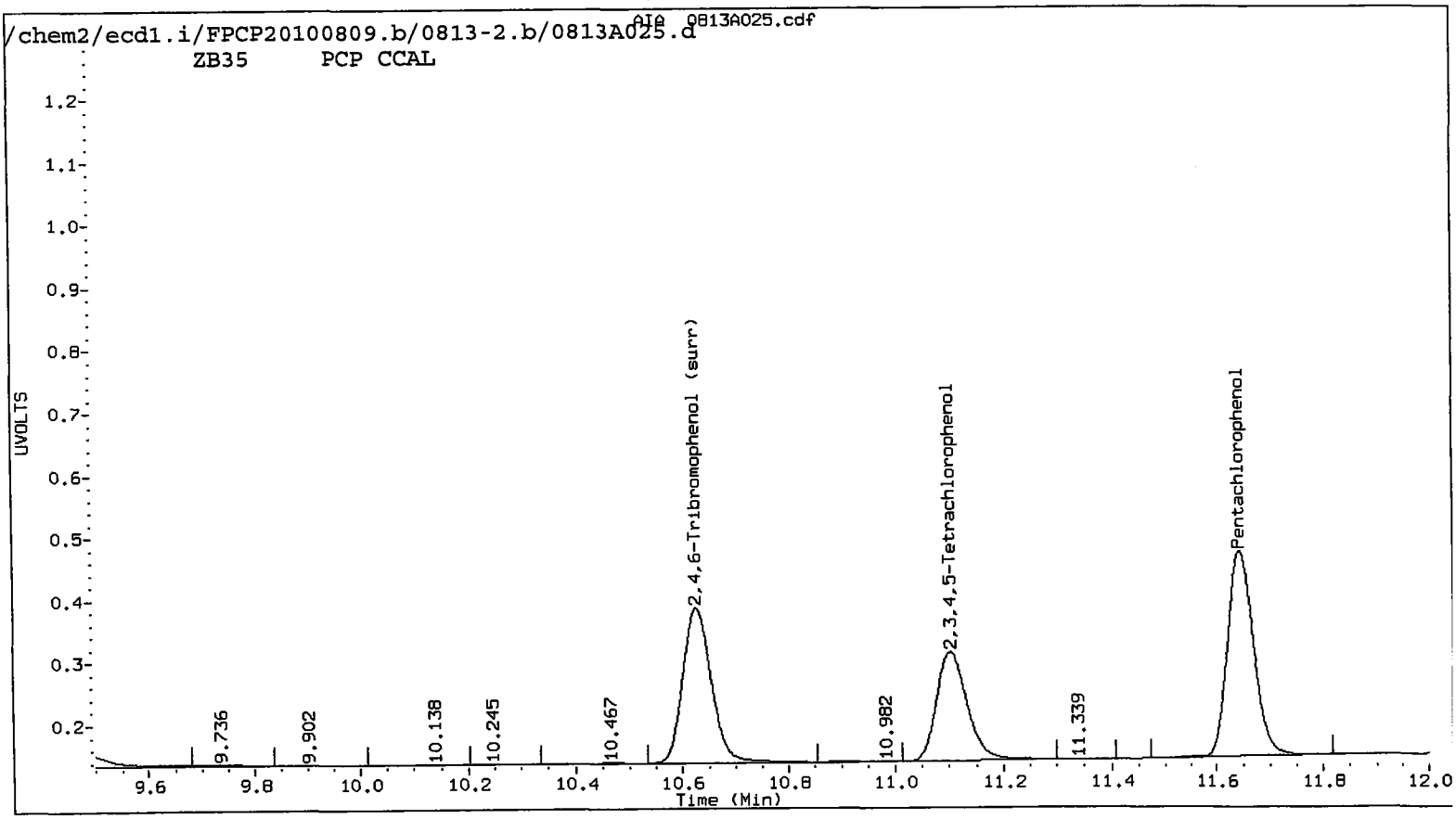
0813A025.cdf
ZB5 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.625
9.700
9.745
11.543
11.864
11.974
Time (Min)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0813A025.cdf
ZB35 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.736
9.902
10.138
10.245
10.467
10.982
11.339
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A026.d

Date : 13-AUG-2010 17:44

Client ID:

Sample Info: RG54MBS1

Purge Volume: 2.0

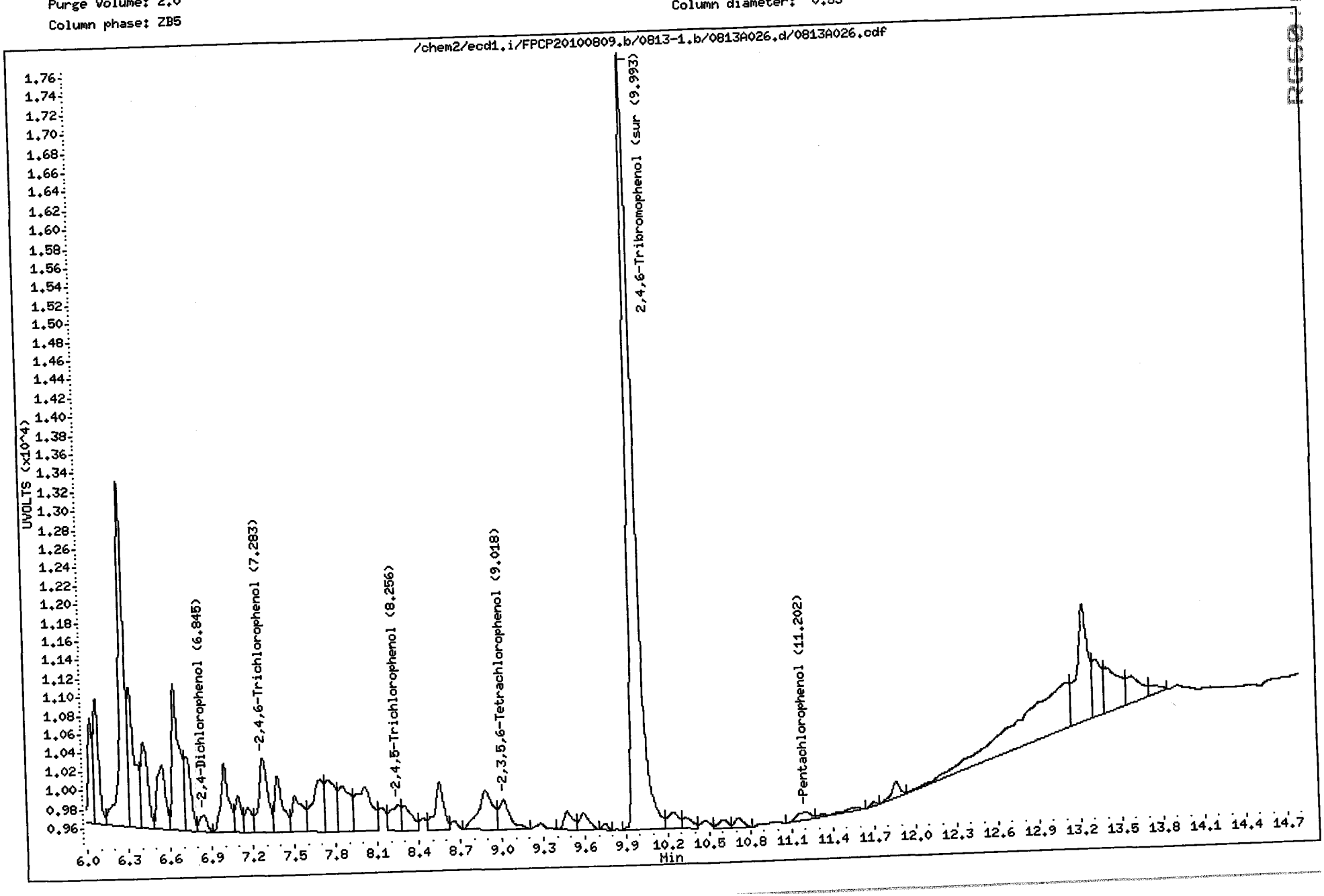
Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53

RG54-00831



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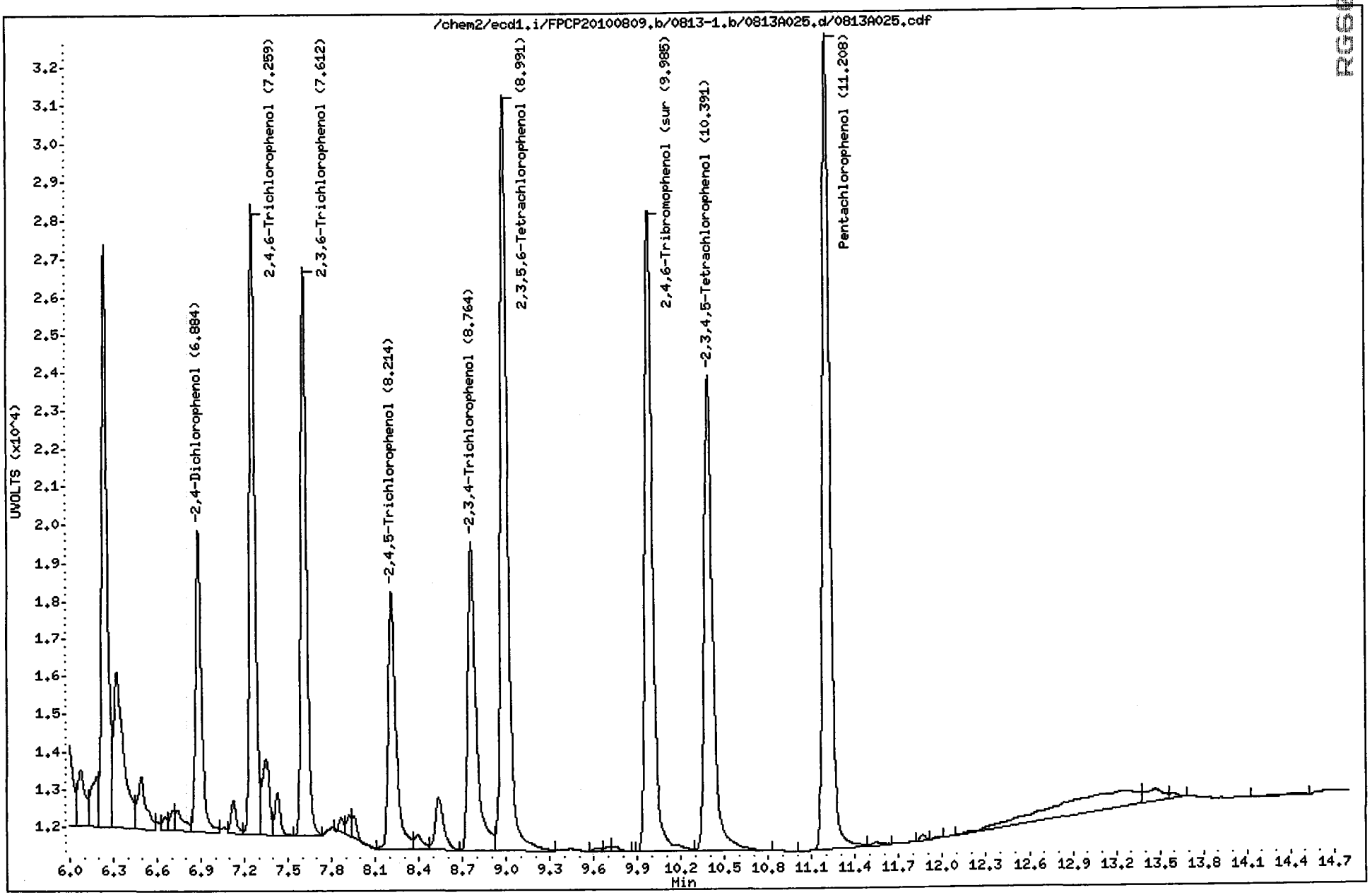
Date : 13-AUG-2010 17:24
Client ID:
Sample Info: PCP CCAL

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53

Column phase: ZB5



Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

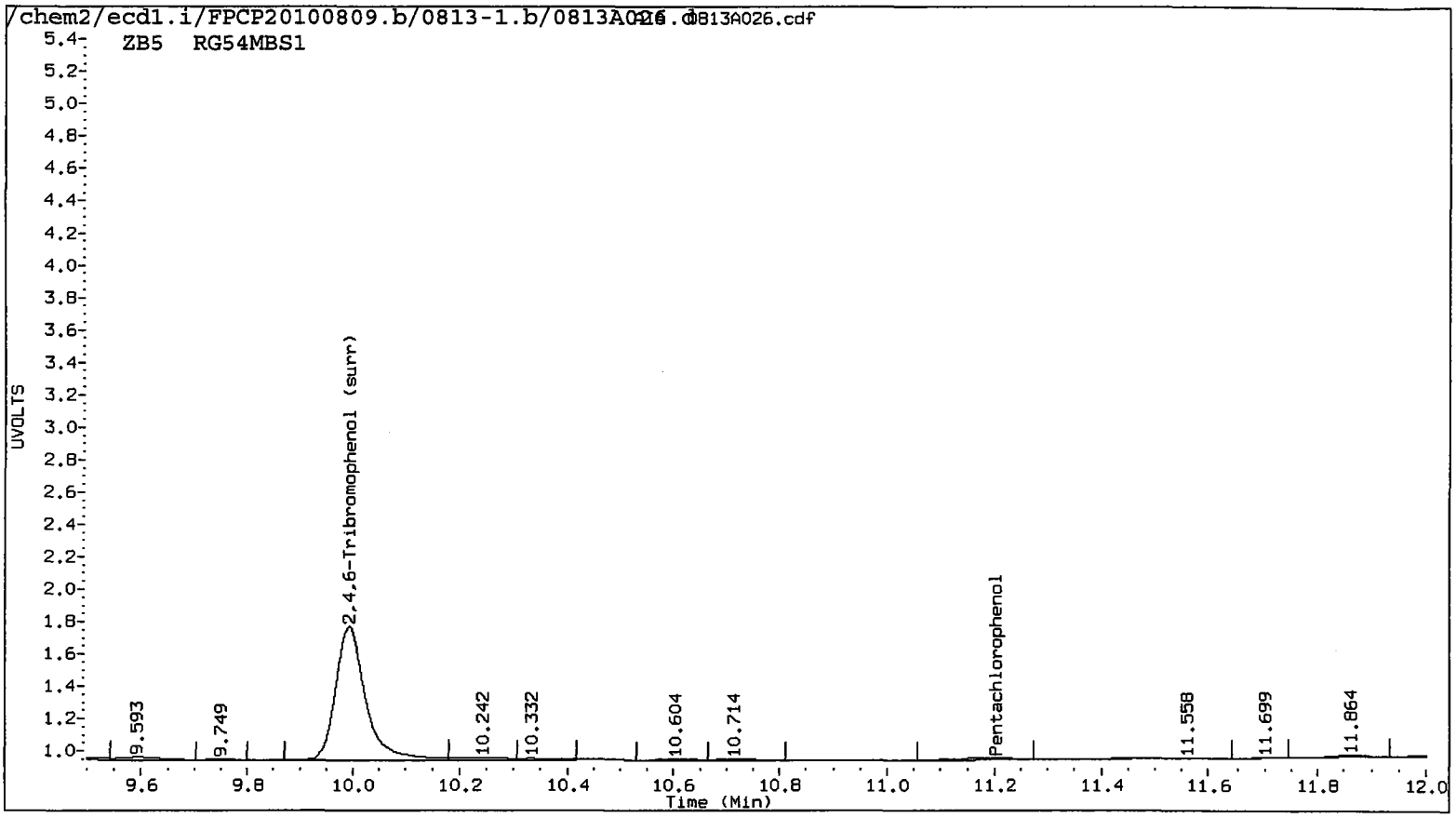
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A026.d ARI ID: RG54MBS1
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A026.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 17:44
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

YZ 8/18/10

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.202	-0.017	2952	----			0.1638	0.0000	---	Pentachlorophenol
7.283	0.019	17336	7.365	0.032	18965	1.8155	1.5191	17.8	2,4,6-Trichlorophenol
----			7.836	-0.027	4747	0.0000	0.3826	---	2,3,6-Trichlorophenol
8.256	0.014	7354	8.655	0.040	1007	1.4570	0.1402	164.9*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.018	0.011	8292	9.258	-0.019	33974	0.5879	1.8350	102.9*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
6.845	-0.048	3323	7.152	-0.014	8052	5.1955	10.7978	70.1*	2,4-Dichlorophenol
9.993	-0.009	163069	10.631	-0.015	230284	12.5	12.3	1.5	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	50.1	49.3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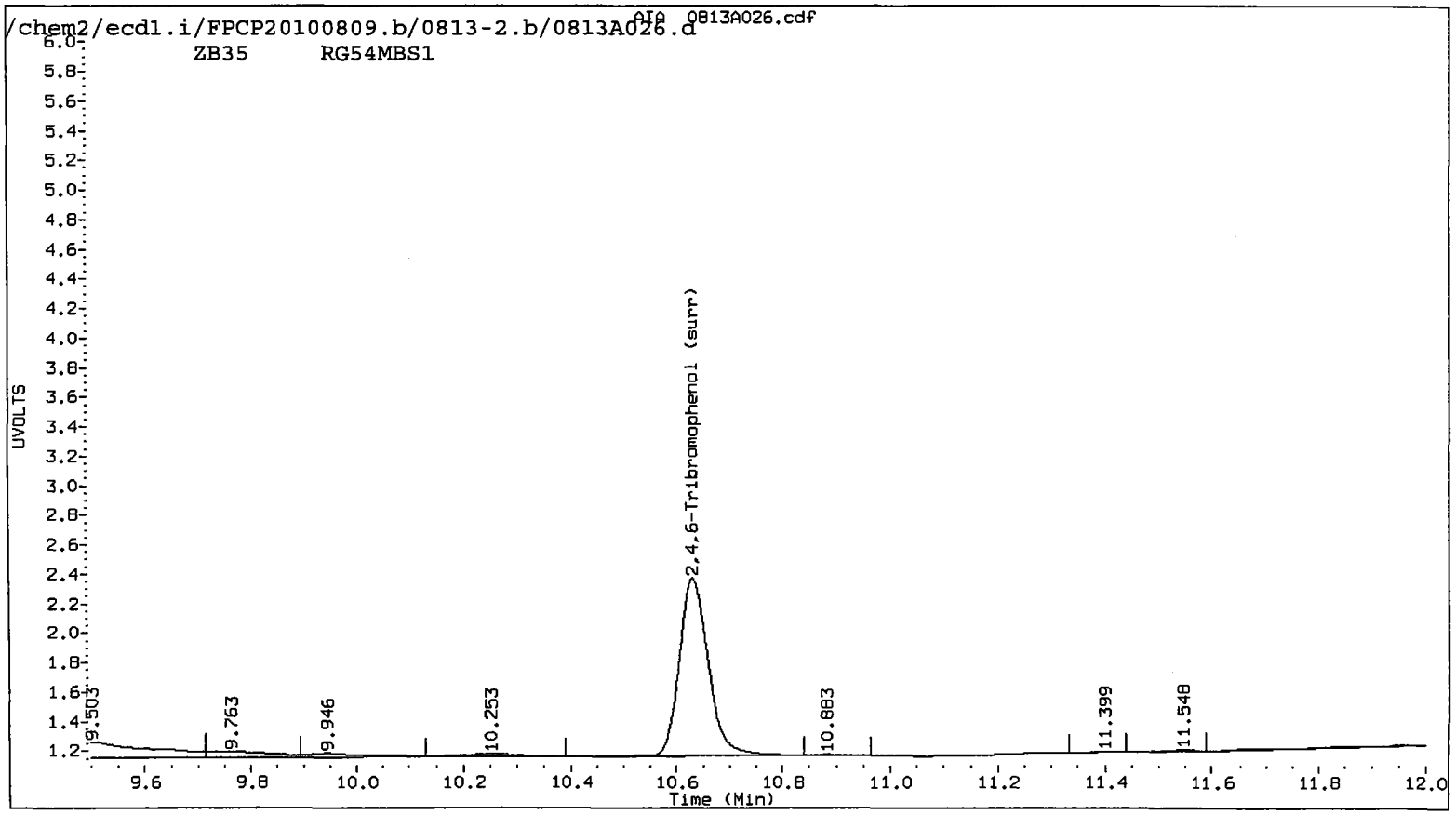
AIA 0813A026.cdf
ZB5 RG54MBS1
UVOLTS
2,4,6-Tribromophenol (surr)
Pentachlorophenol
9.593
9.749
10.242
10.332
10.604
10.714
11.558
11.699
11.864
Time (Min)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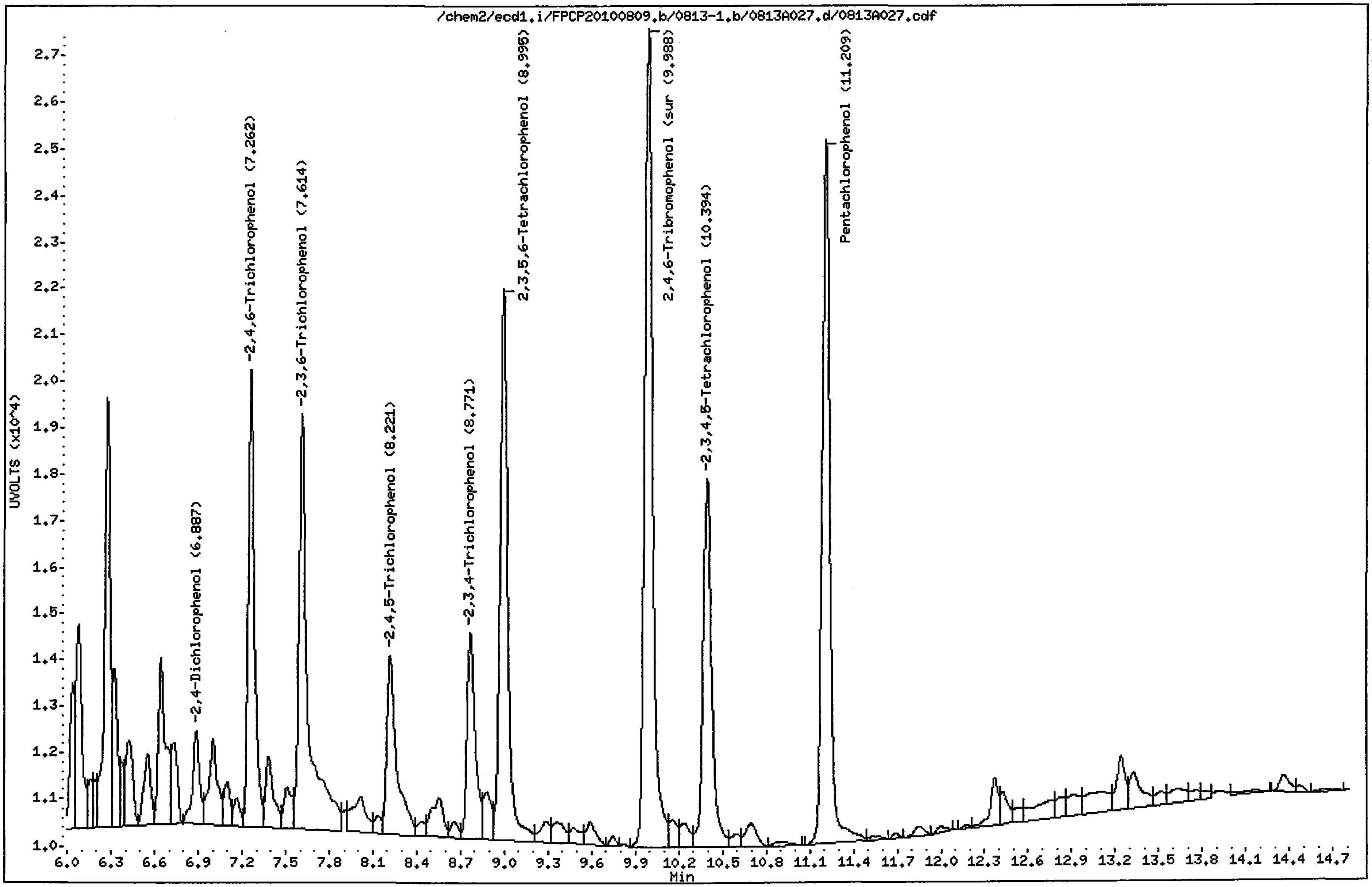
AIA 0813A026.cdf
ZB35 RG54MBS1
UVOLTS
2,4,6-Tribromophenol (surr)
9.503
9.763
9.946
10.253
10.883
11.399
11.548
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A027.d
Date : 13-AUG-2010 18:04
Client ID:
Sample Info: RG54LCSS1
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

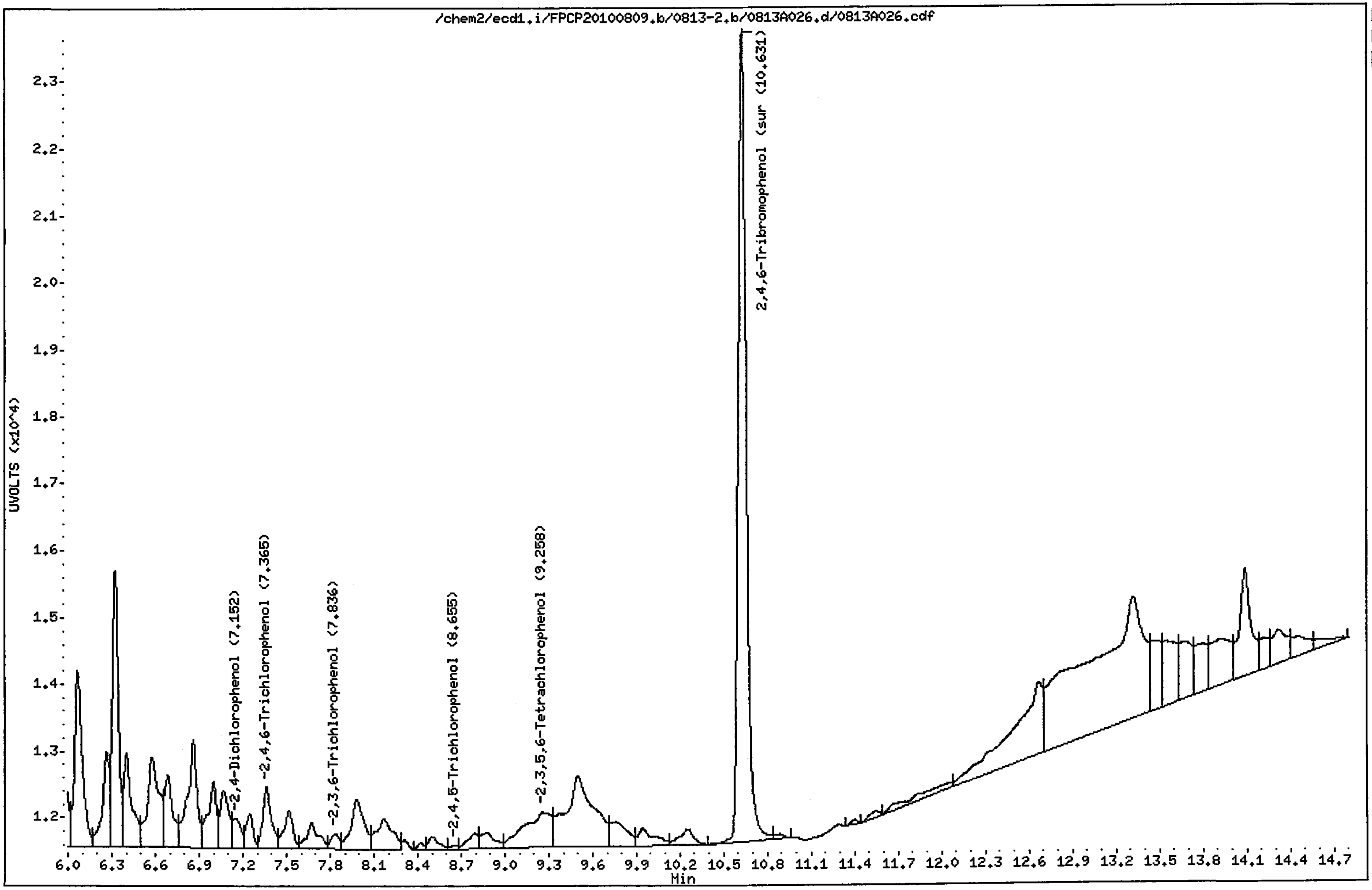
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A026.d
Date : 13-AUG-2010 17:44
Client ID:
Sample Info: RG54MBS1
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

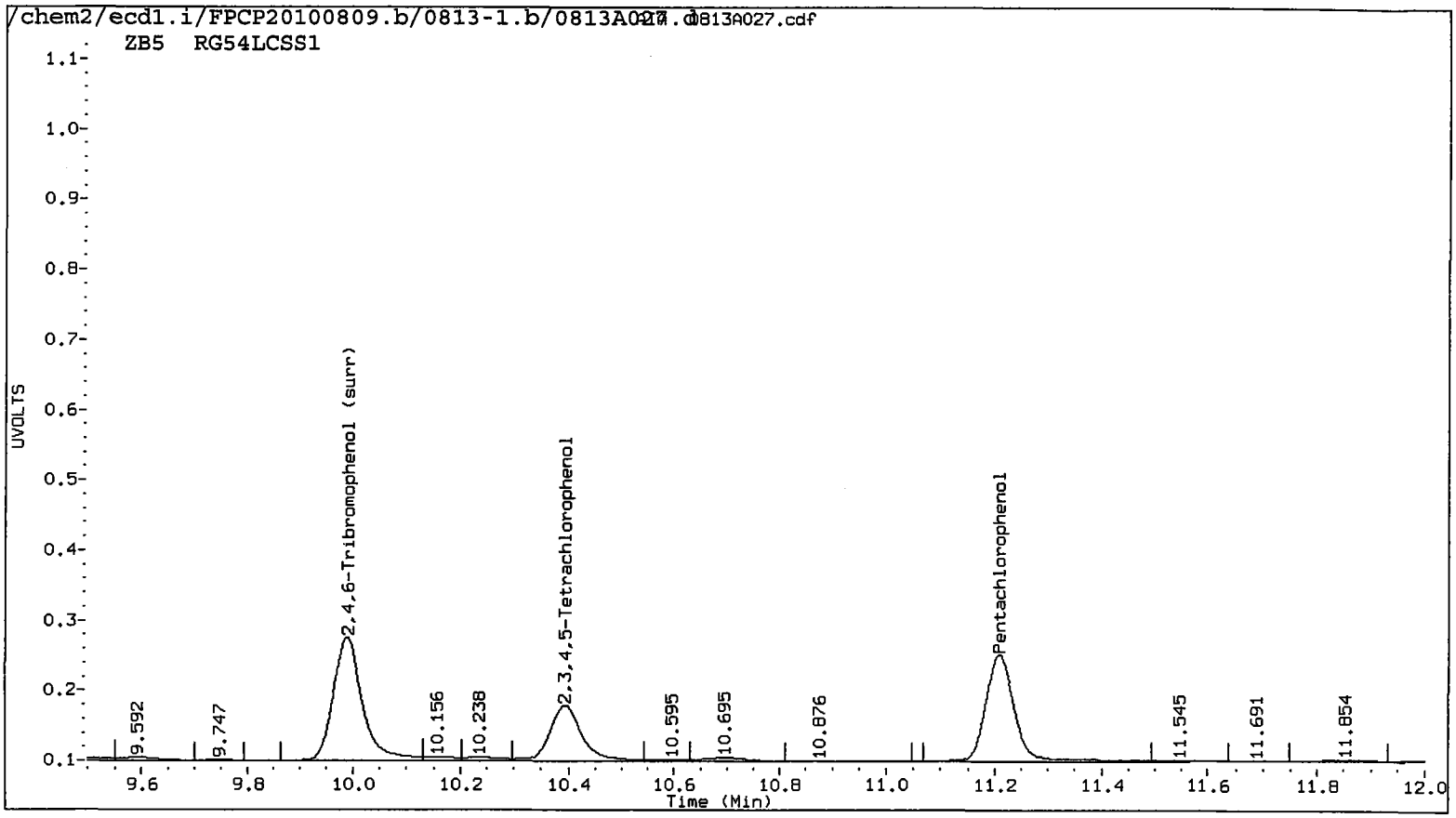
YZ 8/18/10

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A027.d ARI ID: RG54LCSS1
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A027.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 18:04
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	ZB-5 Col Shift	ZB-5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.209	-0.010	283300	11.646	-0.012	405237	17.6019	17.6486	0.3	Pentachlorophenol
7.262	-0.002	151208	7.329	-0.004	219771	17.2657	17.6034	1.9	2,4,6-Trichlorophenol
7.614	-0.005	199346	7.856	-0.008	194749	22.3939	15.6948	35.2	2,3,6-Trichlorophenol
8.221	-0.021	90833	8.591	-0.024	95544	17.9955	14.5128	21.4	2,4,5-Trichlorophenol
8.771	-0.021	86138	9.356	-0.024	135308	12.5913	15.2630	19.2	2,3,4-Trichlorophenol
8.995	-0.012	218345	9.260	-0.017	298670	15.4793	16.1314	4.1	2,3,5,6-Tetrachlorophenol
10.394	-0.019	164323	11.104	-0.022	210845	14.8885	14.4506	3.0	2,3,4,5-Tetrachlorophenol
6.887	-0.006	32731	7.157	-0.010	63043	55.0859	91.0854	49.3*	2,4-Dichlorophenol
9.988	-0.014	334995	10.629	-0.017	486585	27.4	26.1	4.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	109.5	104.3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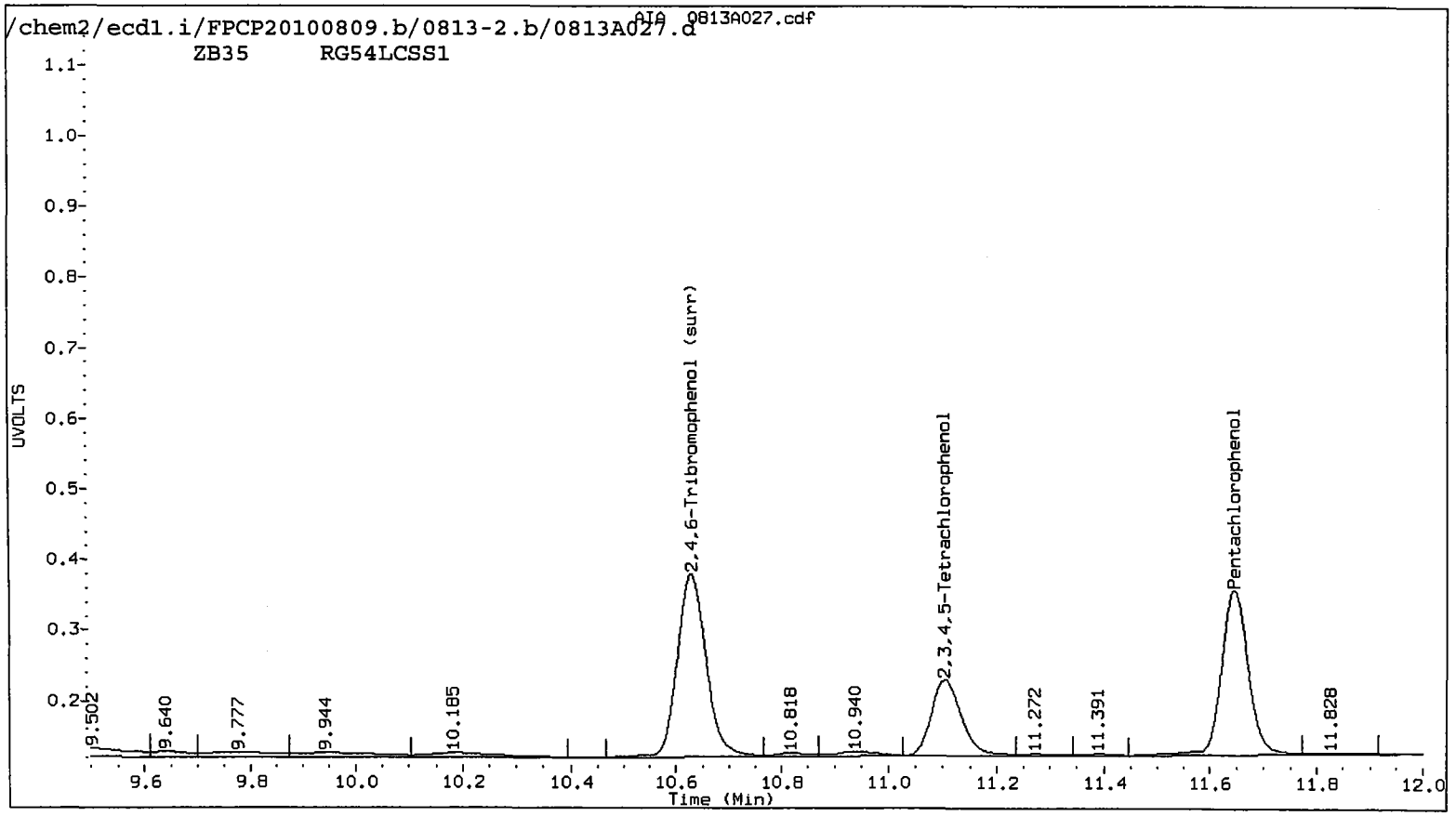
0813A027.cdf
ZB5 RG54LCSS1
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.592
9.747
10.156
10.238
10.595
10.695
10.876
11.545
11.691
11.854
Time (Min)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AIQ 0813A027.cdf
ZB35 RG54LCSS1
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.502
9.640
9.777
9.944
10.185
10.818
10.940
11.272
11.391
11.828
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A028.d

Page 1

Date : 13-AUG-2010 18:24

Client ID:

Instrument: ecd1.i

Sample Info: RG54A

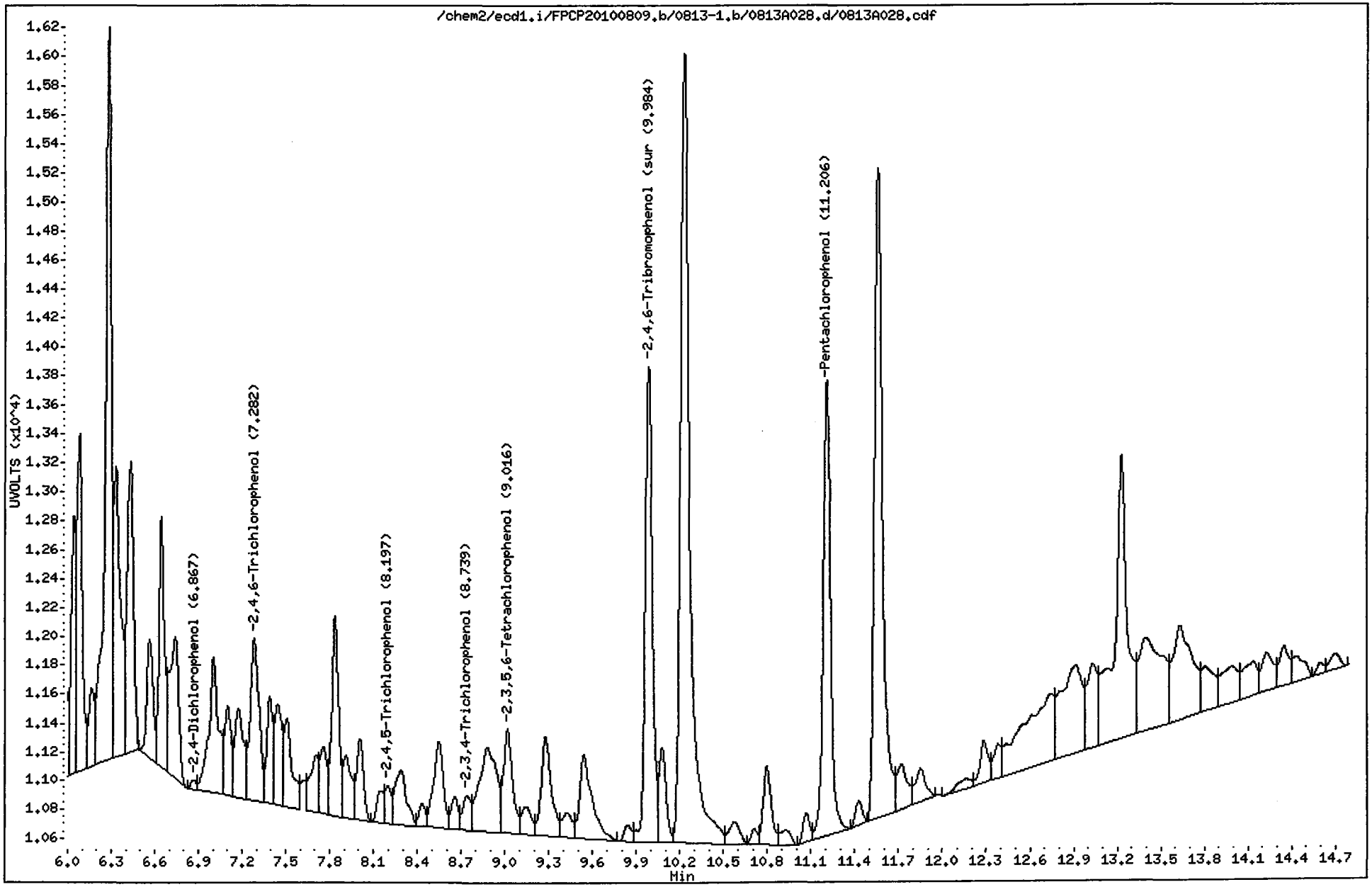
Purge Volume: 2.0

Operator: ar

Column phase: ZB5

Column diameter: 0.53

RG60-00842



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A027.d

Page 1

Date : 13-AUG-2010 18:04

Client ID:

Instrument: ecd1.i

Sample Info: RG54LCSS1

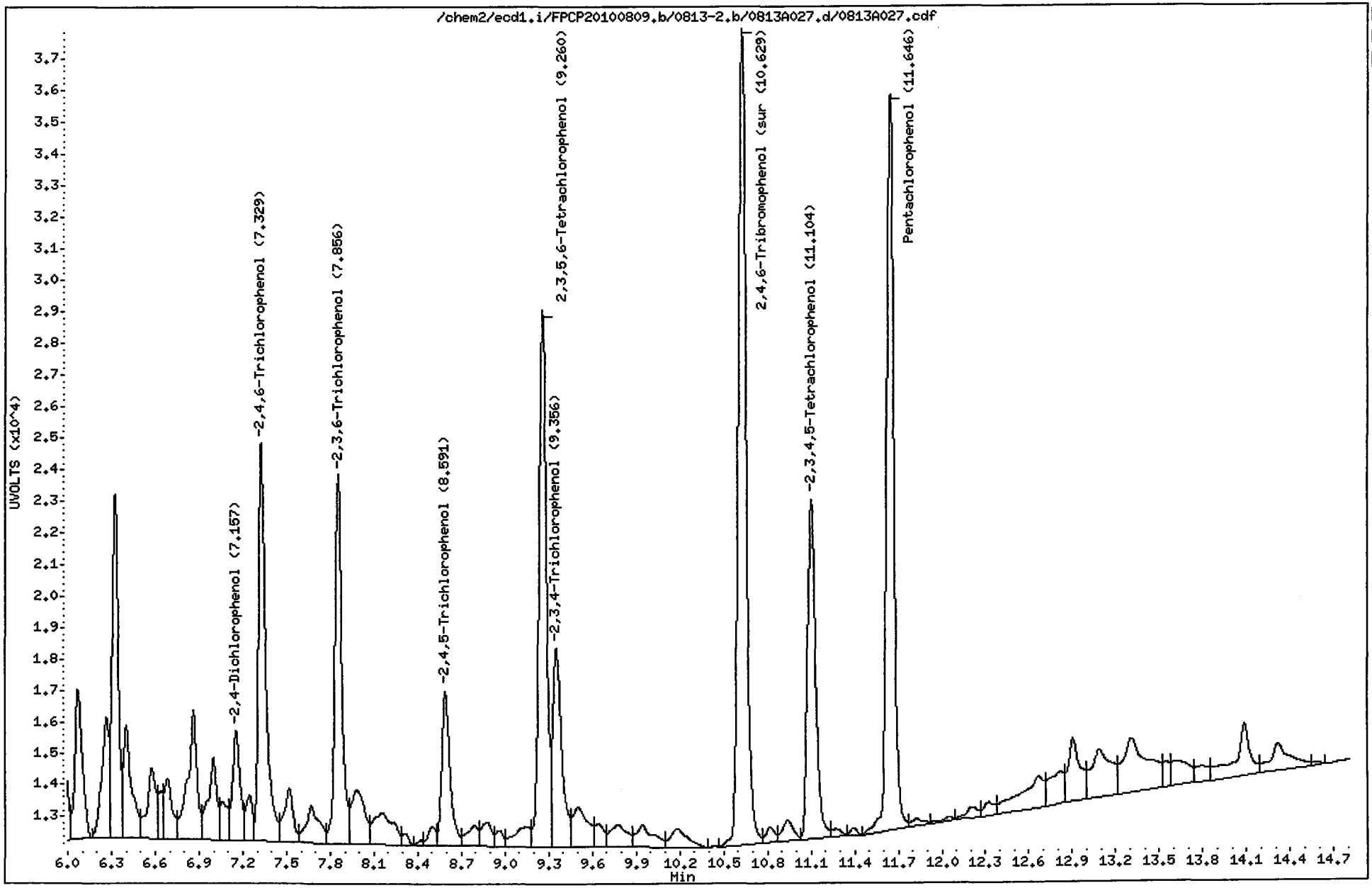
Purge Volume: 2.0

Operator: ar

Column phase: ZB35

Column diameter: 0.53

RG54: 66813



Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

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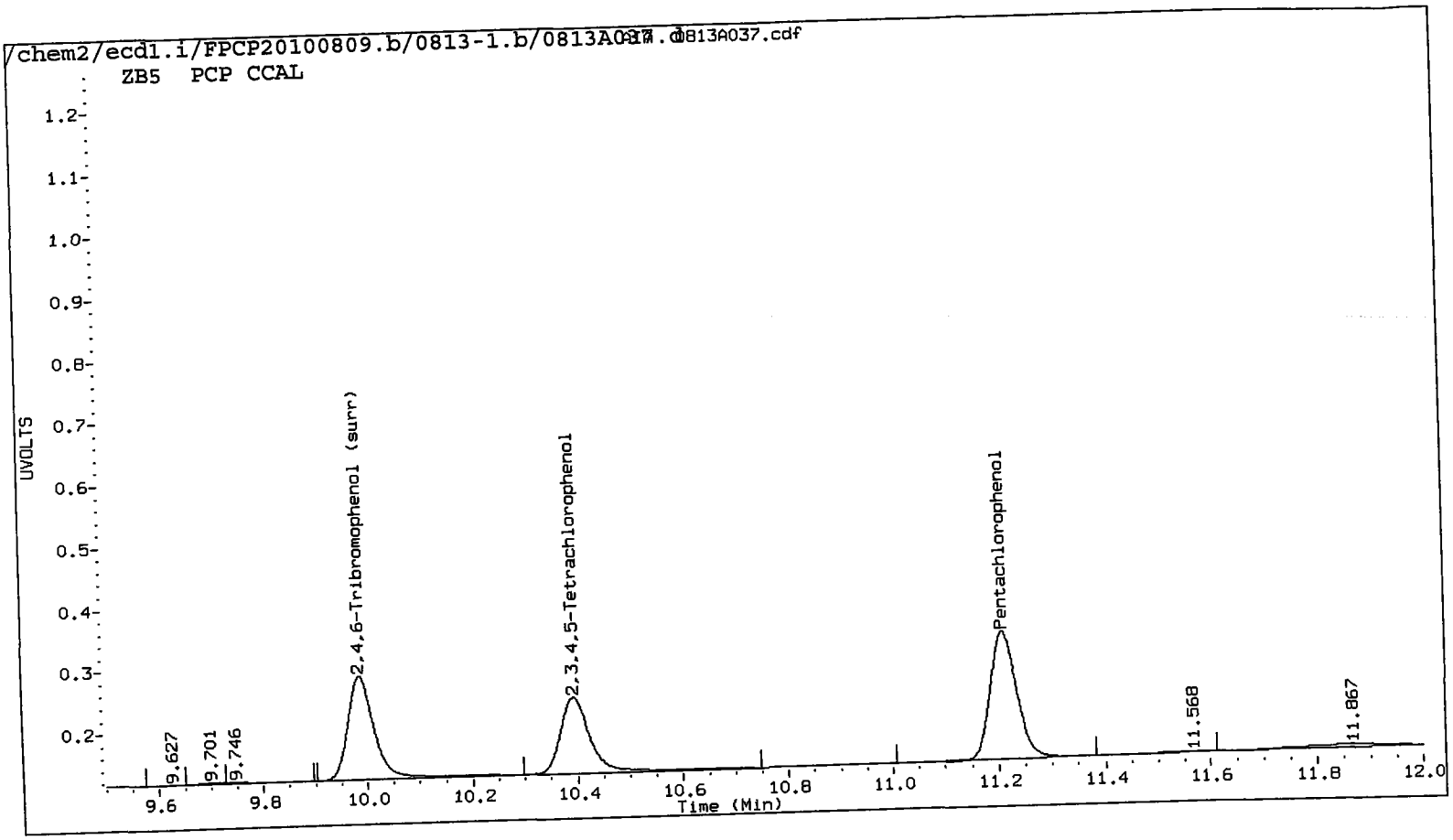
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A037.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A037.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 21:24
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.210	-0.009	355415	11.649	-0.009	512884	22.6913	22.3368	1.6	Pentachlorophenol
7.262	-0.002	210930	7.330	-0.003	330591	24.9754	26.4799	5.8	2,4,6-Trichlorophenol
7.615	-0.004	201845	7.858	-0.006	297067	22.7016	23.9405	5.3	2,3,6-Trichlorophenol
8.217	-0.025	119739	8.590	-0.025	154781	23.7223	24.7416	4.2	2,4,5-Trichlorophenol
8.765	-0.027	156273	9.354	-0.026	203718	22.8433	23.9659	4.8	2,3,4-Trichlorophenol
8.995	-0.012	332894	9.260	-0.017	455934	23.6001	24.6253	4.3	2,3,5,6-Tetrachlorophenol
10.394	-0.019	239247	11.106	-0.020	325037	22.9041	22.2770	2.8	2,3,4,5-Tetrachlorophenol
6.887	-0.006	112483	7.156	-0.010	154794	225.7542	250.4585	10.4	2,4-Dichlorophenol
9.988	-0.014	295105	10.630	-0.016	443855	23.8	23.8	0.0	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	90.8	89.3
2,4,6-Trichlorophenol	99.9	105.9
2,3,6-Trichlorophenol	90.8	95.8
2,4,5-Trichlorophenol	94.9	99.0
2,3,4-Trichlorophenol	91.4	95.9
2,3,5,6-Tetrachlorophenol	94.4	98.5
2,3,4,5-Tetrachlorophenol	91.6	89.1
2,4-Dichlorophenol	90.3	100.2
2,4,6-TBP (surr)	95.1	95.1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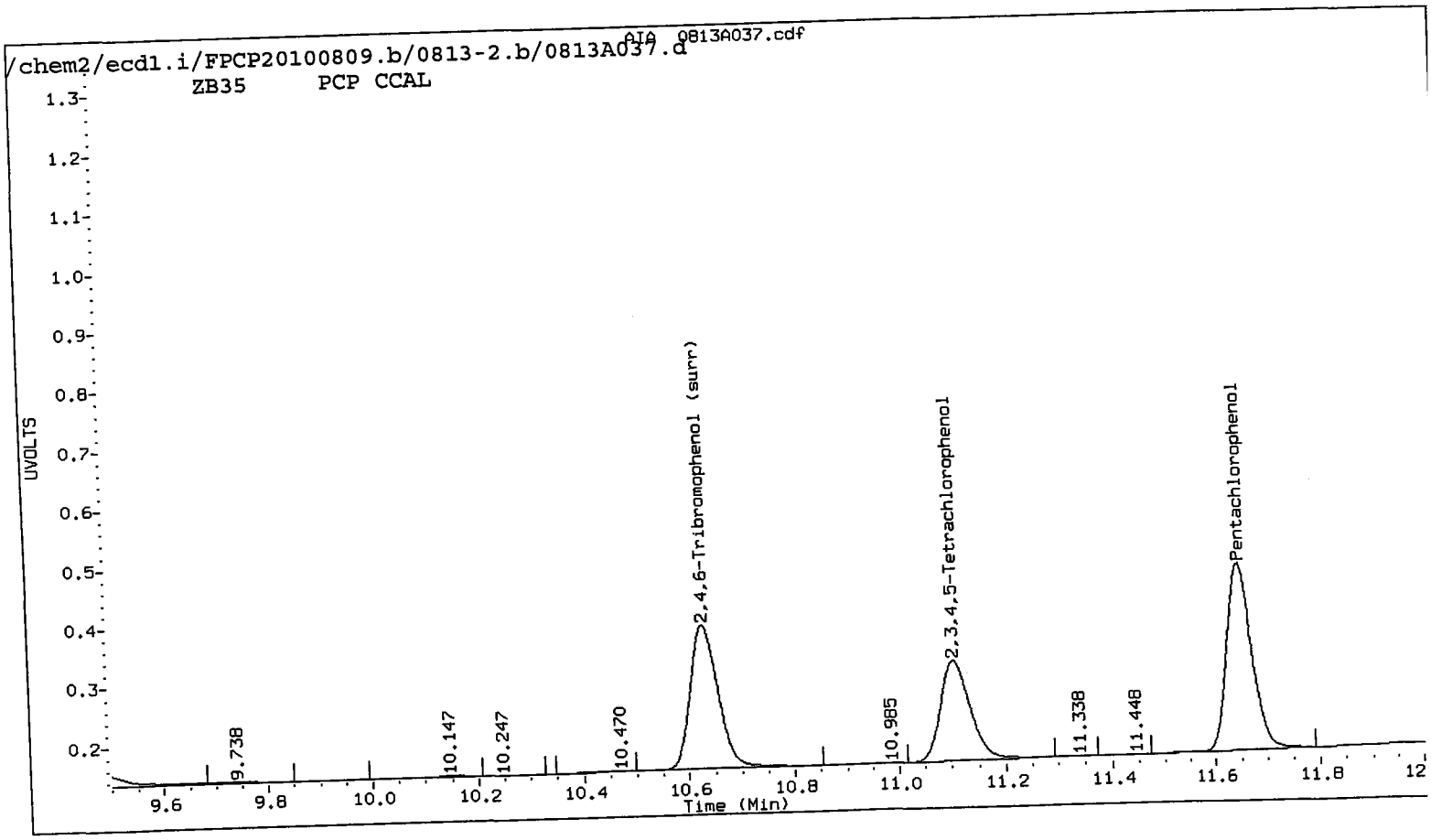
AIA 0813A037.cdf
ZB5 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.627
9.701
9.746
11.568
11.867
Time (Min)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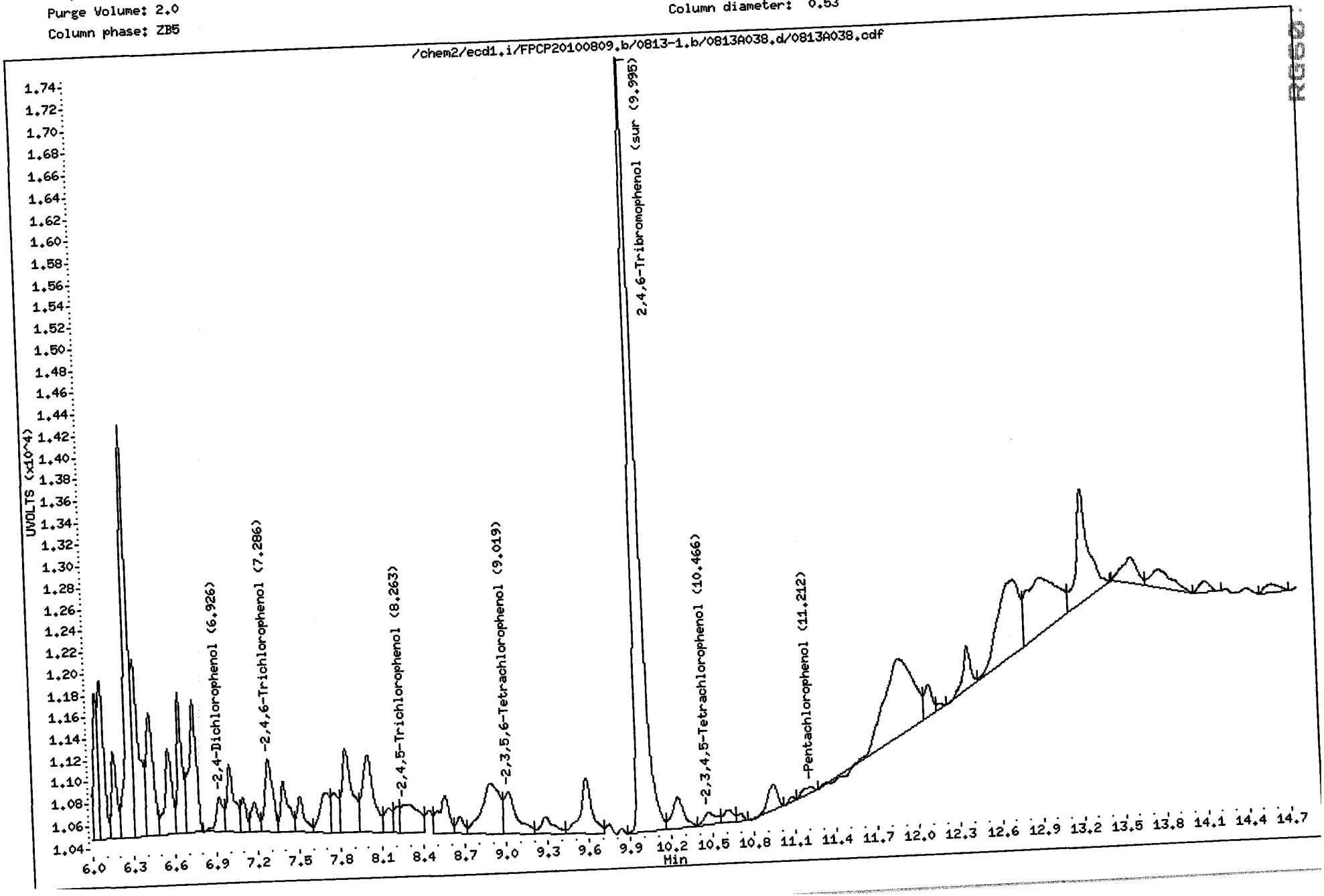
AIA 0813A037.cdf
ZB35 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.738
10.147
10.247
10.470
10.985
11.338
11.448
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A038.d
Date : 13-AUG-2010 21:44
Client ID:
Sample Info: RG54I
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



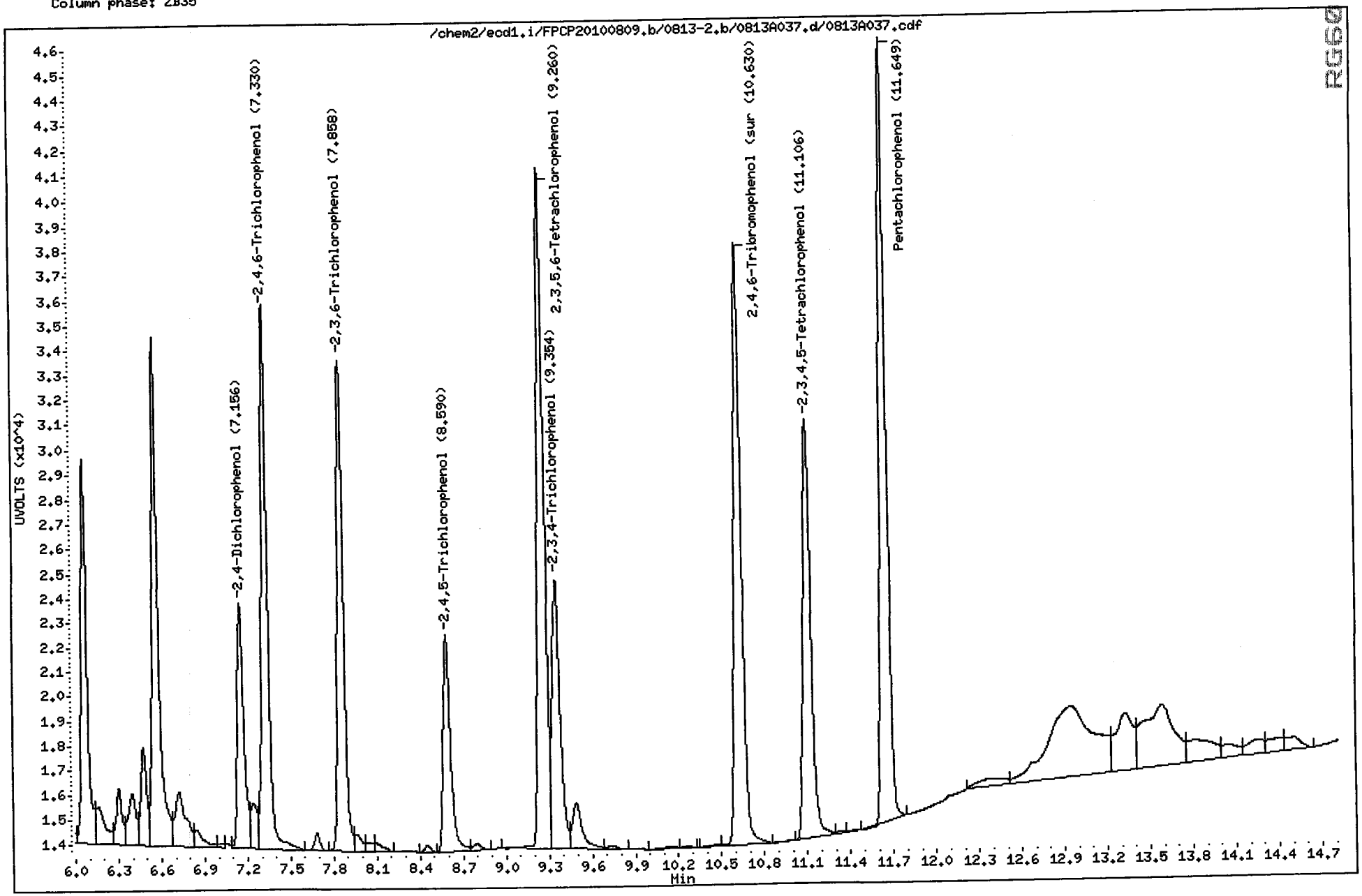
Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A037.d
Date : 13-AUG-2010 21:24
Client ID:
Sample Info: PCP CCAL

Column phase: ZB35

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53

RGSD 09817



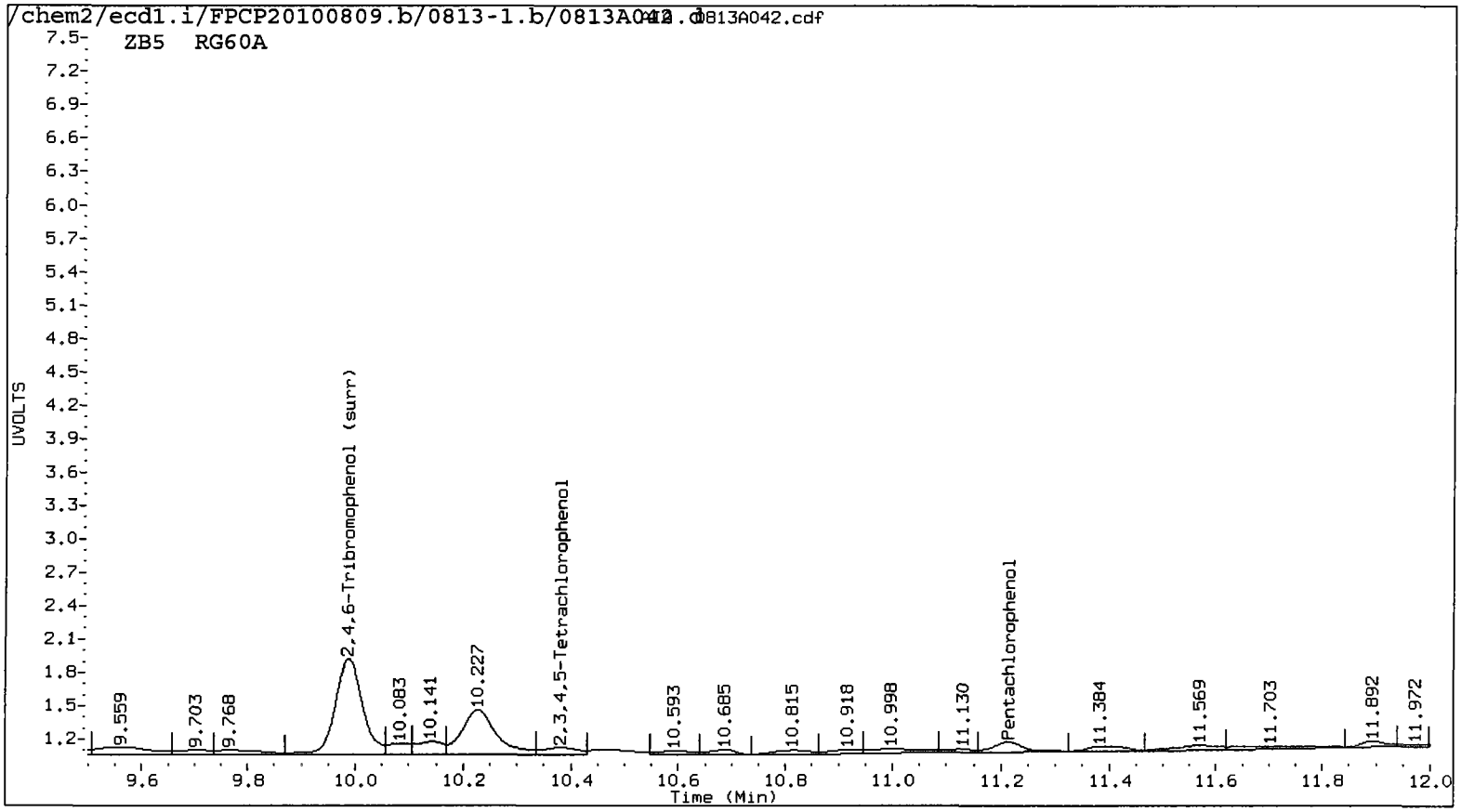
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

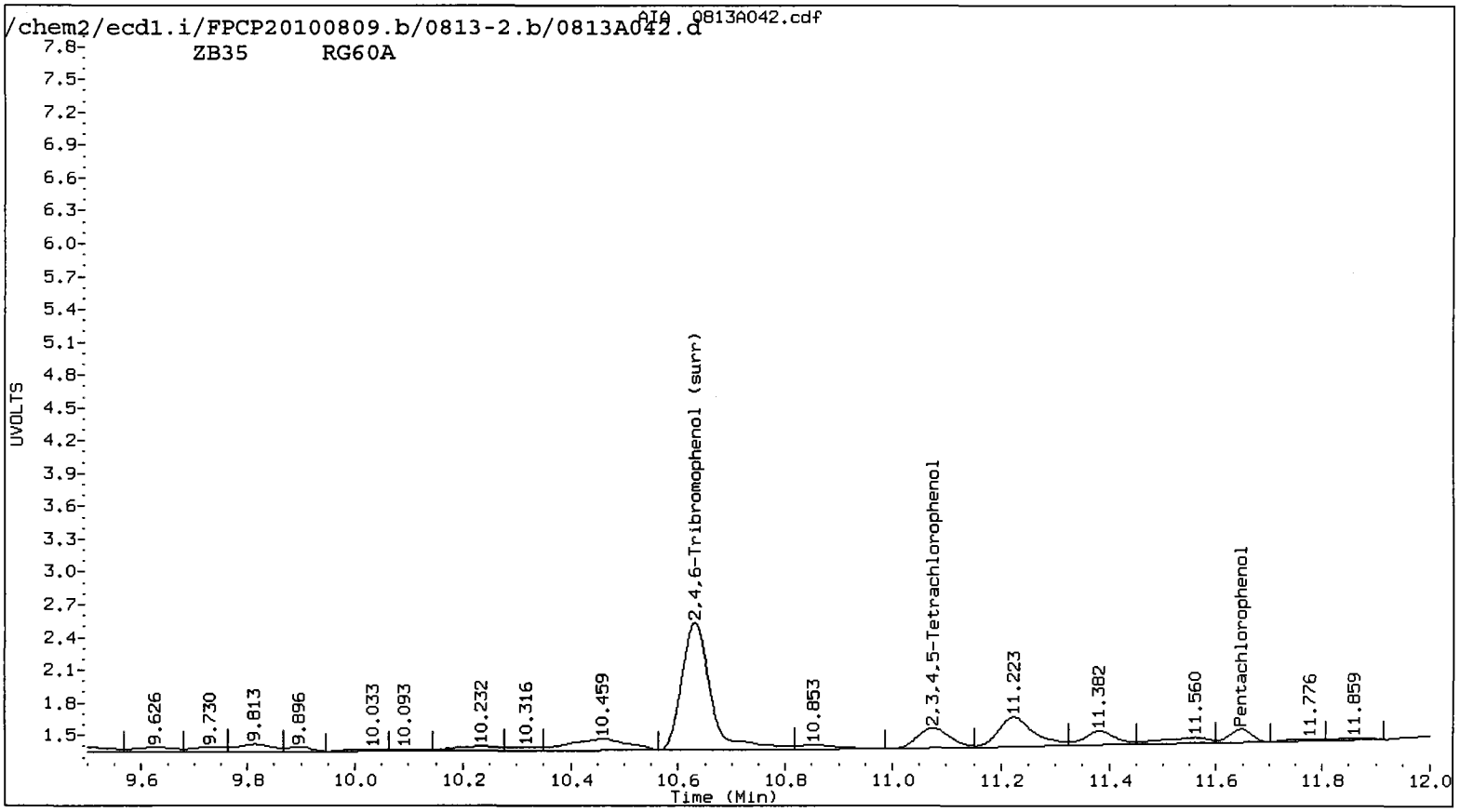
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A042.d ARI ID: RG60A YC 8/18/10
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A042.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 23:04
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	Shift	Response	ZB35 Col RT	Shift	Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.212	-0.007	18738	11.647	-0.011	17832	~~1.0465~~	~~0.7766~~	~~29~~.6	Pentachlorophenol
7.274	0.010	34971	7.336	0.003	48372	3.7059	3.8745	4.5	2,4,6-Trichlorophenol
----			7.808	-0.056	13487	0.0000	1.0869	---	2,3,6-Trichlorophenol
8.212	-0.030	6262	8.631	0.016	10507	1.2406	1.4760	17.3	2,4,5-Trichlorophenol
8.749	-0.043	6140	9.399	0.019	5850	0.8975	0.6063	38.7	2,3,4-Trichlorophenol
9.029	0.022	33585	9.285	0.008	21820	2.3810	1.1785	67.6*	2,3,5,6-Tetrachlorophenol
10.380	-0.033	13851	11.074	-0.052	37525	1.1123	2.5718	79.2*	2,3,4,5-Tetrachlorophenol
6.868	-0.025	1677	7.112	-0.054	36553	2.6108	50.9845	180.5*	2,4-Dichlorophenol
9.988	-0.014	151019	10.630	-0.016	217387	11.5	11.6	0.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	46.2	46.6


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A042.d
0813A042.cdf
ZB5 RG60A
UVOLTS
Time (Min)
9.559
9.703
9.768
2,4,6-Tribromophenol (surr)
10.083
10.141
10.227
2,3,4,5-Tetrachlorophenol
10.593
10.685
10.815
10.918
10.998
11.130
Pentachlorophenol
11.384
11.569
11.703
11.892
11.972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0813A042.cdf
ZB35 RG60A
UVOLTS
Time (Min)
9.626
9.730
9.813
9.896
10.033
10.093
10.232
10.316
10.459
2,4,6-Tribromophenol (surr)
10.853
2,3,4,5-Tetrachlorophenol
11.223
11.382
11.560
Pentachlorophenol
11.776
11.859

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A043.d

Date : 13-AUG-2010 23:24

Client ID:

Sample Info: RG60B

Purge Volume: 2.0

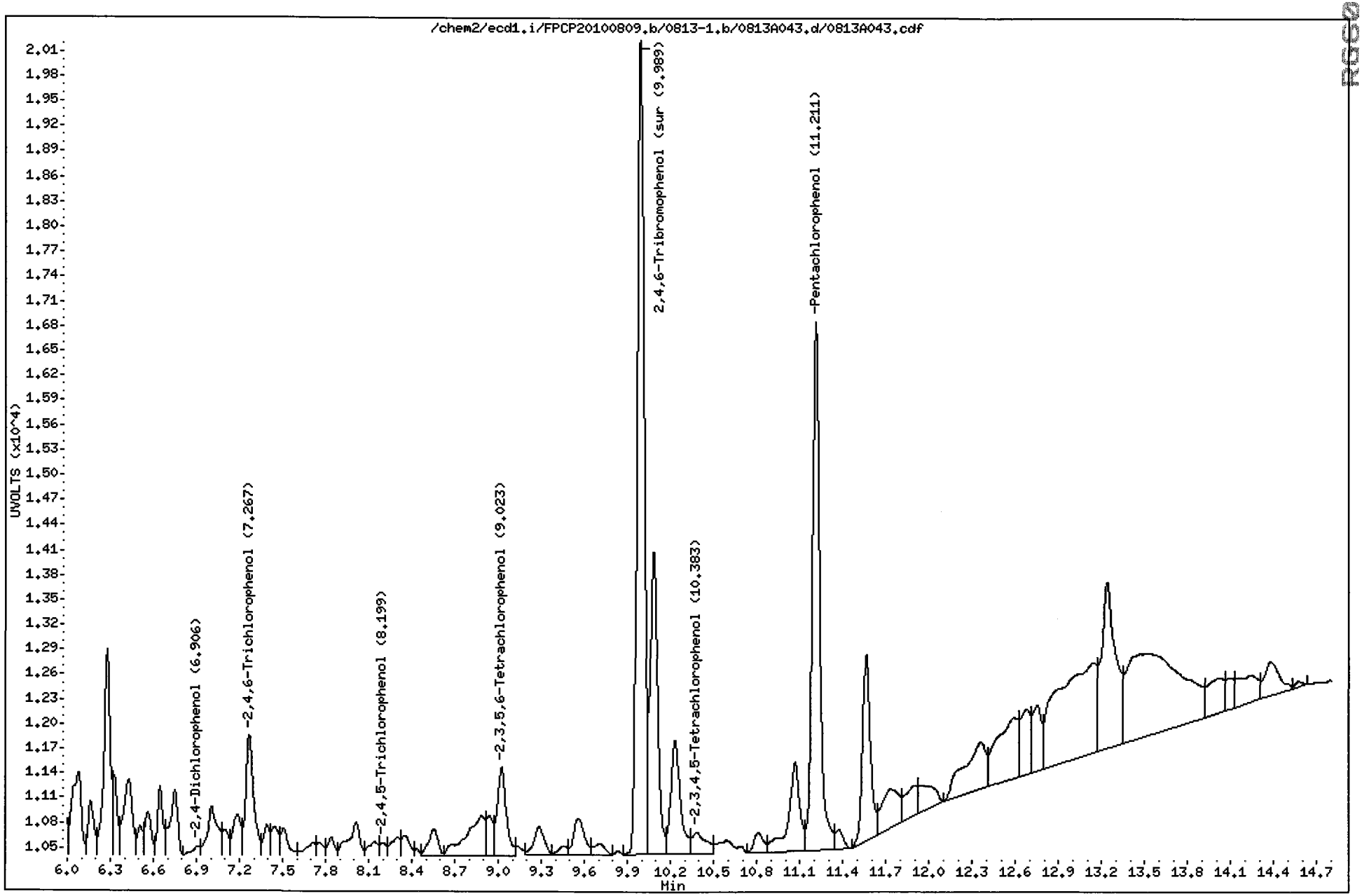
Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53

RG60 : 66650



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A042.d

Page 1

Date : 13-AUG-2010 23:04

Client ID:

Instrument: ecd1.i

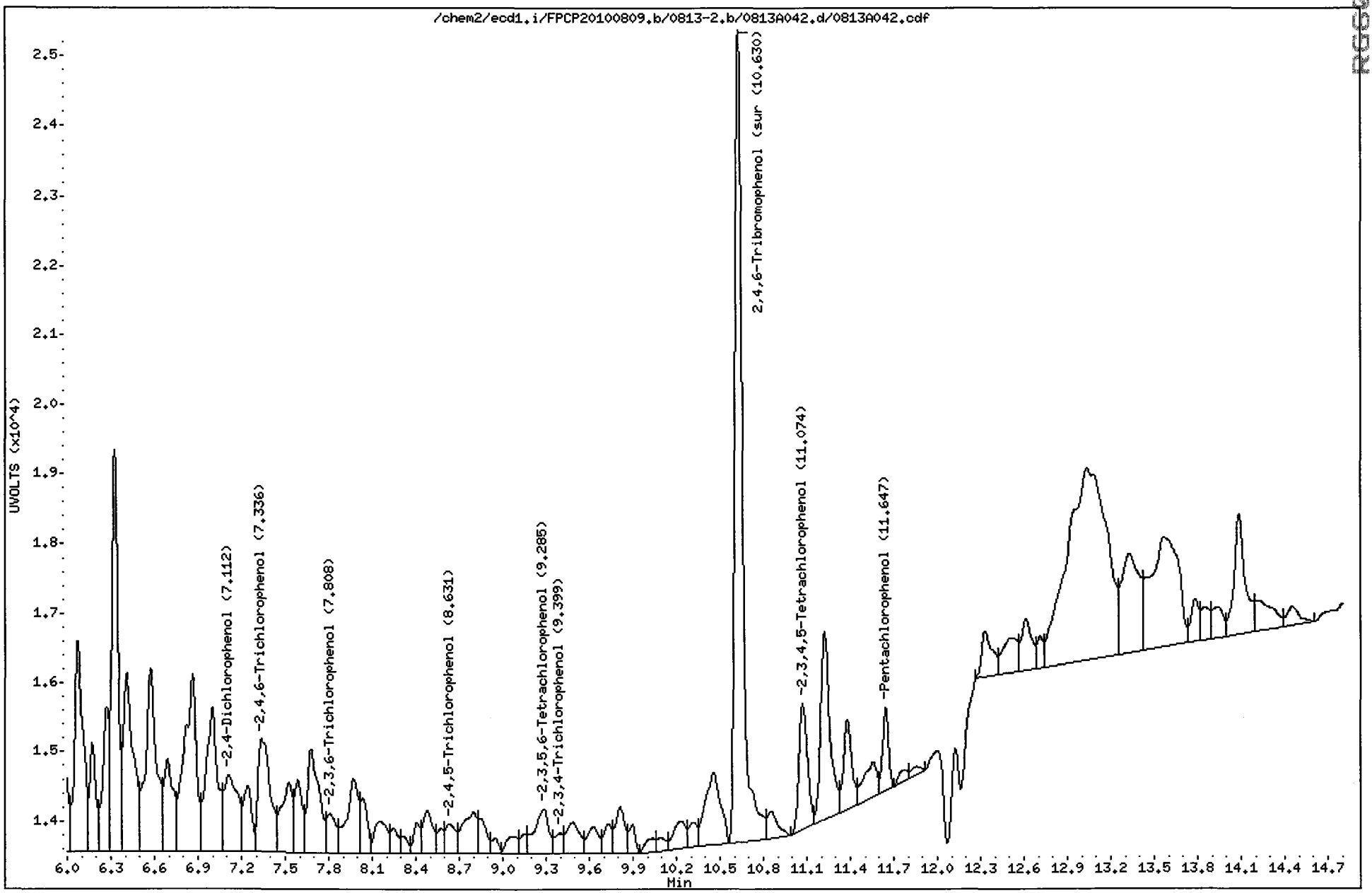
Sample Info: RG60A

Purge Volume: 2.0

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG60 : 00851

Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

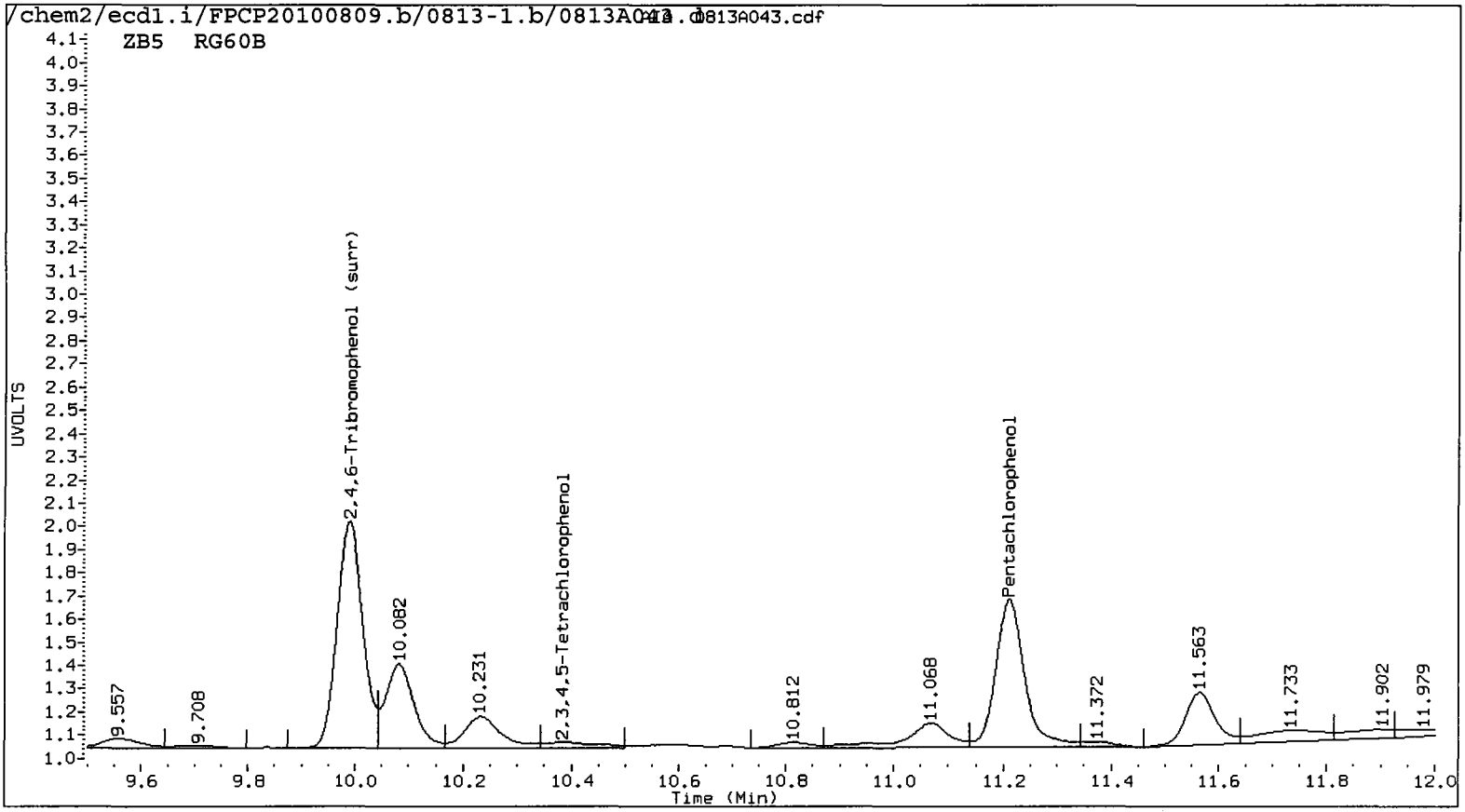
yz 8/18/10

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A043.d ARI ID: RG60B
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A043.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 23:24
Compound Sublist: all Report Date: 08/17/2010 16:03
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.211	-0.008	118153	11.649	-0.009	134606	6.8776	5.8623	15.9	Pentachlorophenol
7.267	0.003	28704	7.334	0.001	29751	3.0290	2.3880	23.9	2,4,6-Trichlorophenol
----			7.835	-0.029	3903	0.0000	0.3145	---	2,3,6-Trichlorophenol
8.199	-0.043	2707	8.574	-0.041	1070	0.5363	0.1490	113.0*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.023	0.016	22866	9.282	0.005	17738	1.6211	0.9580	51.4*	2,3,5,6-Tetrachlorophenol
10.383	-0.030	8178	11.084	-0.042	13714	0.6535	0.9399	35.9	2,3,4,5-Tetrachlorophenol
6.906	0.013	3237	7.165	-0.001	4680	5.0600	6.2461	21.0	2,4-Dichlorophenol
9.989	-0.013	165805	10.631	-0.015	243655	12.7	13.1	2.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	51.0	52.2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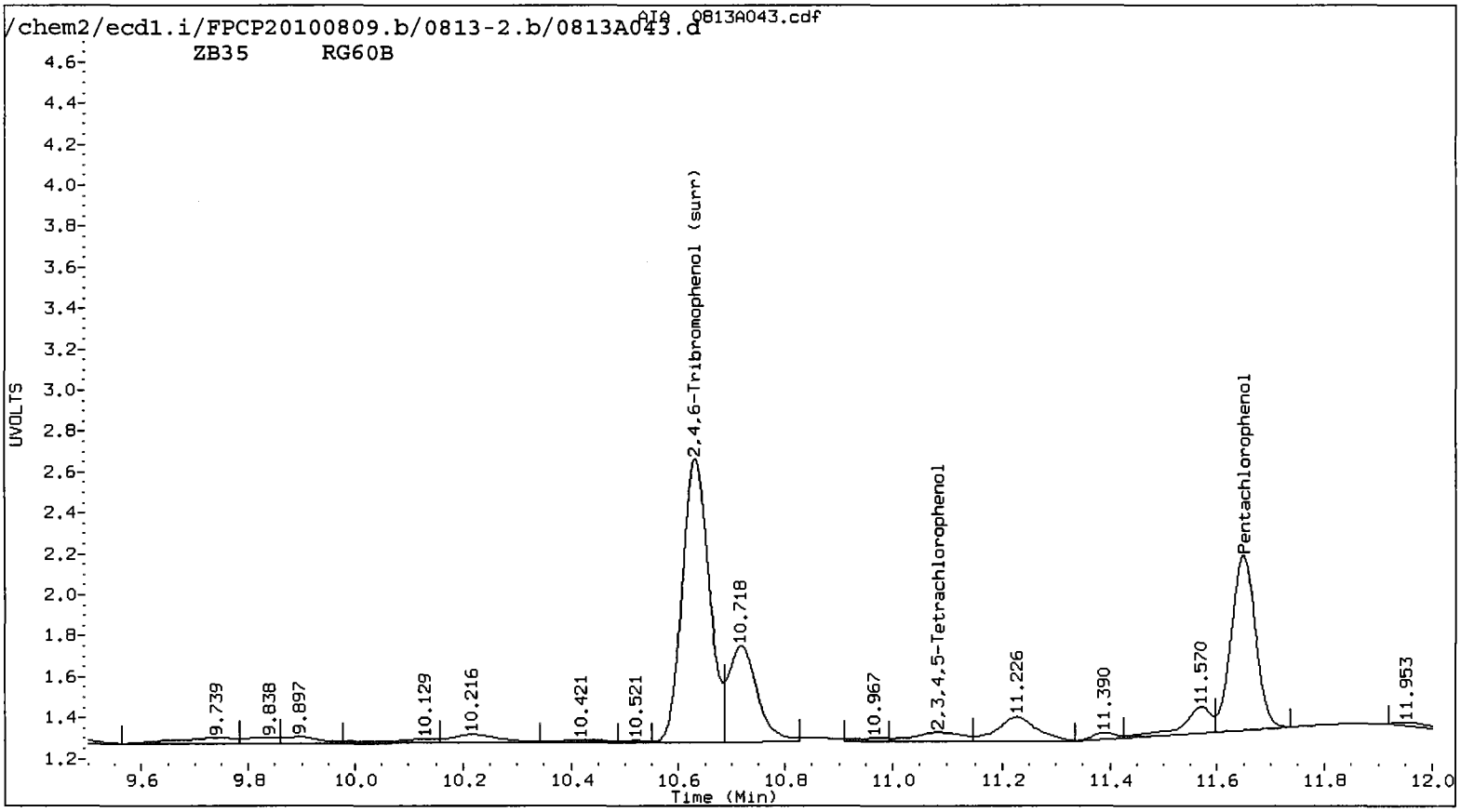
ZB5 RG60B
UVOLTS
Time (Min)
9.557
9.708
2,4,6-Tribromophenol (surr)
10.082
10.231
2,3,4,5-Tetrachlorophenol
10.812
11.068
Pentachlorophenol
11.372
11.563
11.733
11.902
11.979


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A043.d
ZB35 RG60B
UVOLTS
Time (Min)
9.739
9.838
9.897
10.129
10.216
10.421
10.521
2,4,6-Tribromophenol (surr)
10.718
10.967
2,3,4,5-Tetrachlorophenol
11.226
11.390
11.570
Pentachlorophenol
11.953

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A044.d

Date : 13-AUG-2010 23:44

Client ID:

Sample Info: RG60C

Purge Volume: 2.0

Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53