Shealy Environmental Services, Inc.

Contract Number: EPW05031
Date: 12/03/2007

SDG Narrative

Case 36912
SDG Y3QQ2
MA 1391.1

EPA Sample Numbers

EPA Sample Number	TVOA Fraction	DL/RE	pH
Y3QQ2	Yes	No	<2
Y3QQ3	Yes	Yes	<2
Y3QQ4	Yes	No	<2

Columns	VOA DB-624, 20m x 0.18mm x 1.0um
Trap	OI Trap #10

VOA Equation	Water sample concentration (ug/L) $= \frac{(A_x)(I_s)(DF)}{(A_{is})(\overline{RRF})(V_o)}$ Where A_x is the area of the characteristic ion (EICP) for the compound to be measured. A_{is} is the area of the characteristic ion (EICP) for the internal standard. I_s is the amount of internal standard added, in ng. $\overline{RRF}$ is the mean relative response factor from the initial calibration. DF is the dilution factor. V_o is total volume of water purged, in mL.

Sample Receiving

The cooler temperature associated with these samples was 3.6 °C

TVOA Fraction

The peak eluting at ~4.3min on MSD8 in all analyses is pentafluorobenzene. This is an internal standard compound that is not being used for quantitation. This compound is not being identified as a TIC.

Manual integration was performed on TBA for VSTD0.528, VSTD00128 and VSTD00529 due to incorrect auto integration.

Manual integration was performed on chloroethane-d5, 1,2-dichloropropane and bromodichloromethane for VSTD0.528 due to incorrect auto integration.

I certify that this Sample Data Package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Robert Zhu
Dr. Robert Zhu
Technical Director 12/4/07

Contract Laboratory Program

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: Y3QQ2

Laboratory Name: Shealy Environmental

Laboratory Code: SHEALY

Contract No.: EPW05031

Case No.:36912

Analysis Price: $440

SDG Turnaround: 21-DAY

Modified Analysis (if applicable): YES

Modification Reference No.: 1391.1

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) Y3QQ2	7) N/A	13) N/A	19) N/A
2) Y3QQ3	8) N/A	14) N/A	20) N/A
3) Y3QQ4	9) N/A	15) N/A	21) N/A
4) N/A	10) N/A	16) N/A	22)N/A
5) N/A	11) N/A	17) N/A	23)N/A
6) N/A	12) N/A	18) N/A	24)N/A

Y3QQ2

First Sample in SDG

Y3QQ4

Last Sample in SDG

11/21/07

First Sample Receipt Date

11/21/07

Last Sample Receipt Date

Note: *There are a maximum of 20 field samples [excluding Performance Evaluation (PE) samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature: [illegible]

Date: 11/28/07

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 36912
DAS No:
SDG No: Y3QQ2
L

Date Shipped:	11/19/2007
Carrier Name:	FedEx
Airbill:	792457324624
Shipped to:	Shealy Environmental 106 Vantage Point Drive Cayce SC 29033 (803) 791-9700

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Mike Palm	11/19/07 1400		
2			
3			
4		Christiann Bautista	11/21/07 0900

Sampler Signature:

For Lab Use Only

Lab Contract No: EPW05031
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y3QQ2	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	20	S: 11/19/2007 8:10		
Y3QQ3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	21	S: 11/19/2007 9:10		
Y3QQ4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	22	S: 11/19/2007 9:30		

SDG Y3QQ2 last sample Y3QQ4

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.6°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y
VOA = CLP TCL Volatiles				

TR Number: 9-403413243-111907-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLK28	110	107	70	96	89	91	88
02	Y3QQ2	143 *	150 *	96	98	115	110	114
03	Y3QQ3	146 *	147 *	103	110	114	110	114
04	VBLK29	114	108	73	97	87	85	91
05	Y3QQ3DL	133 *	124	83	96	94	9[illegible]	98
06	Y3QQ4	147 *	139 *	95	111	113	1[illegible]0	112
07	VHBLK35	134 *	132 *	82	93	98	93	100
08	VHBLK35RE	132 *	139 *	86	101	101	97	105
09								
10								
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	QC LIMITS
VDMC1 (VCL) = Vinyl chloride-d_3	(65-131)
VDMC2 (CLA) = Chloroethane-d_5	(71-131)
VDMC3 (DCE) = 1,1-Dichloroethene-d_2	(55-104)
VDMC4 (BUT) = 2-Butanone-d_5	(49-155)
VCMD5 (CLF) = Chloroform-d	(78-121)
VDMC6 (DCA) = 1,2-Dichloroethane-d_4	(78-129)
VDMC7 (BEN) = Benzene-d_6	(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT
01	VBLK28	82	86	86	96		89	91	0
02	Y3QQ2	103	113	106	107		107	112	2
03	Y3QQ3	102	113	106	113		107	113	2
04	VBLK29	85	89	85	95		85	88	0
05	Y3QQ3DL	89	96	91	97		91	95	1
06	Y3QQ4	103	111	106	109		108	112	3
07	VHBLK35	92	101	93	96		94	100	2
08	VHBLK35RE	93	103	96	103		96	101	3
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		QC LIMITS
VDMC8	(DPA) = 1,2-Dichloropropane-d_6	(79-124)
VMDC9	(TOL) = Toluene-d_8	(77-121)
VDMC10	(TDP) = trans-1,3-Dichloropropene-d_4	(73-121)
VDMC11	(HEX) = 2-Hexanone-d_5	(28-135)
VDMC12	(DXE) = 1,4-Dioxane-d_8	(50-150)
VDMC13	(TCA) = 1,1,2,2-Tetrachloroethane-d_2	(73-125)
VDMC14	(DCZ) = 1,2-Dichlorobenzene-d_4	(80-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits
Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

EPA SAMPLE NO.

VBLK28

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Lab File ID: 81128B08 Lab Sample ID: IQ6860B-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/28/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1455

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	Y3QQ4	IK21009-003	81128B09	1824
02	Y3QQ2	IK21009-001	81128B10	1846
03	Y3QQ3	IK21009-002	81128B12	1930
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COMMENTS:

EPA SAMPLE NO.

VBLK29

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Lab File ID: 81129A06 Lab Sample ID: IQ68703-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/29/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1254

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	Y3QQ3DL	IK21009-002	81129A07	1334
02	VHBLK35	IK21009-004	81129A08	1355
03	VHBLK35RE	IK21009-004	81129A09	1429
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COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFB28

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Lab File ID: 81128B01A BFB Injection Date: 11/28/2007

Instrument ID: MSD8 BFB Injection Time: 1213

GC Column: DB-624 ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	25.5	
75	30.0 - 80.0% of mass 95	51.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120% of mass 95	91.6	
175	5.0 - 9.0% of mass 174	7.2	(7.9) 1
176	95.0 - 101% of mass 174	92.2	(100.7) 1
177	5.0 - 9.0% of mass 176	6.5	(7.0) 2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD02028	VSTD02028	81128B02	11/28/2007	1238
02	VSTD01028	VSTD01028	81128B03	11/28/2007	1300
03	VSTD00528	VSTD00528	81128B04	11/28/2007	1321
04	VSTD00128	VSTD00128	81128B05	11/28/2007	1343
05	VSTD0.528	VSTD0.528	81128B06	11/28/2007	1405
06	VBLK28	IQ68608-001	81128B08	11/28/2007	1455
07	Y3QQ4	IK21009-003	81128B09	11/28/2007	1824
08	Y3QQ2	IK21009-001	81128B10	11/28/2007	1846
09	Y3QQ3	IK21009-002	81128B12	11/28/2007	1930
10	VSTD0058B	VSTD0058B	81128B15	11/28/2007	2035
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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFB29

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Lab File ID: 81128A03 BFB Injection Date: 11/29/2007

Instrument ID: MSD8 BFB Injection Time: 1125

GC Column: DB-624 ID: 0.18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	25.5	
75	30.0 - 80.0% of mass 95	50.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120% of mass 95	95.2	
175	5.0 - 9.0% of mass 174	7.2	(7.5) 1
176	95.0 - 101% of mass 174	91.4	(96.0) 1
177	5.0 - 9.0% of mass 176	5.7	(6.3) 2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD00529	VSTD00529	81129A04	11/29/2007	1153
02	VBLK29	IQ68703-001	81129A06	11/29/2007	1254
03	Y3QQ3DL	IK21009-002	81129A07	11/29/2007	1334
04	VHBLK35	IK21009-004	81129A08	11/29/2007	1355
05	VHBLK35RE	IK21009-004	81129A09	11/29/2007	1429
06	VSTD0059B	VSTD0059B	81129A10	11/29/2007	1451
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8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00528 Date Analyzed: 11/28/2007

Lab File ID (Standard): 81128B04 Time Analyzed: 1321

Instrument ID: MSD8 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	173157	9.253	179026	5.314	108355	11.551
	UPPER LIMIT	242420	9.583	250636	5.644	151697	11.881
	LOWER LIMIT	103894	8.923	107416	4.984	65013	11.221
	EPA SAMPLE NO.						
01	VBLK28	167261	9.253	175661	5.314	102873	11.55
02	Y3QQ2	166117	9.253	172460	5.314	99452	11.55
03	Y3QQ3	166393	9.253	174975	5.314	101357	11.55
04	Y3QQ4	167703	9.253	172835	5.313	101651	11.55
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IS1 (CBZ) = Chlorobenzene-d_5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d_4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0058B Date Analyzed: 11/28/2007

Lab File ID (Standard): 81128B15 Time Analyzed: 2035

Instrument ID: MSD8 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	165706	9.253	170490	5.314	101148	11.551
	UPPER LIMIT	231988	9.583	238686	5.644	141607	11.881
	LOWER LIMIT	99424	8.923	102294	4.984	60689	11.221
	EPA SAMPLE NO.						
01	VBLK28	167261	9.253	175661	5.314	102873	11.55
02	Y3QQ2	166117	9.253	172460	5.314	99452	11.55
03	Y3QQ3	166393	9.253	174975	5.314	101357	11.55
04	Y3QQ4	167703	9.253	172835	5.313	101651	11.55
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22							

IS1 (CBZ) = Chlorobenzene-d_5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d_4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00529 Date Analyzed: 11/29/2007

Lab File ID (Standard): 81129A04 Time Analyzed: 1153

Instrument ID: MSD8 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	183484	9.253	192340	5.313	110959	11.551
	UPPER LIMIT	256878	9.583	269276	5.643	155343	11.881
	LOWER LIMIT	110090	8.923	115404	4.983	66575	11.221
	EPA SAMPLE NO.						
01	VBLK29	194206	9.253	202137	5.313	117612	11.55
02	Y3QQ3DL	193877	9.253	203858	5.313	117139	11.55
03	VHBLK35	190063	9.253	197372	5.313	115015	11.55
04	VHBLK35RE	189422	9.253	200440	5.313	112542	11.55
05							
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22							

IS1 (CBZ) = Chlorobenzene-d_5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d_4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0059B Date Analyzed: 11/29/2007

Lab File ID (Standard): 81129A10 Time Analyzed: 1451

Instrument ID: MSD8 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	186674	9.253	195912	5.313	116160	11.551
	UPPER LIMIT	261344	9.583	274277	5.643	162624	11.881
	LOWER LIMIT	112004	8.923	117547	4.983	69696	11.221
	EPA SAMPLE NO.						
01	VBLK29	194206	9.253	202137	5.313	117612	11.55
02	Y3QQ3DL	193877	9.253	203858	5.313	117139	11.55
03	VHBLK35	190063	9.253	197372	5.313	115015	11.55
04	VHBLK35RE	189422	9.253	200440	5.313	112542	11.55
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IS1 (CBZ) = Chlorobenzene-d_5
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (DCB) = 1,4-Dichlorobenzene-d_4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ2

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B10

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.070	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	0.83	JB
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.26	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.66	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ2

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B10

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.066	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ2

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B10

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
Y3QQ2

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B10

Level: (TRACE or LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.795	0.99	J
02		Unknown-02	11.775	0.52	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B10.D
Lab Smp Id: IK21009-001 Client Smp ID: Y3QQ2
Inj Date : 28-NOV-2007 18:46
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	25389	7.16838	7.1683(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	29236	7.48282	7.4828(QR)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	100802	4.78430	4.7843
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	603	0.07034	0.0703(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.023	2.033	(0.381)	3170	0.83009	0.8300(a)
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.347	2.347	(0.442)	2841	0.26351	0.2635(a)
	20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	23 1,1-Dichloroethane	63	Compound Not Detected.					
$	25 2-Butanone-d5	46	3.633	3.643	(0.684)	305552	48.9905	48.9904
	26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.058	4.068	(0.764)	109533	5.76151	5.7615(Q)
	31 Chloroform	83	4.088	4.088	(0.769)	11555	0.65944	0.6594
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
32 Cyclohexane	56	Compound Not Detected.					
34 Carbon Tetrachloride	121	Compound Not Detected.					
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.889)	68541	5.47758	5.4775
$ 36 Benzene-d6	84	4.726	4.716	(0.511)	201192	5.68218	5.6821
37 Benzene	78	Compound Not Detected.					
39 1,2-Dichloroethane	62	Compound Not Detected.					
* 41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	172460	5.00000	
42 Trichloroethene	95	Compound Not Detected.					
$ 44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	61345	5.17122	5.1712
43 Methylcyclohexane	83	Compound Not Detected.					
45 1,2-Dichloropropane	63	Compound Not Detected.					
$ 46 1,4-Dioxane-d8	96	6.134	6.124	(1.154)	6876	168.382	168.3818(Q)
47 1,4-Dioxane	88	Compound Not Detected.					
49 Bromodichloromethane	83	Compound Not Detected.					
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	114335	5.31150	5.3115
50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$ 52 Toluene-d8	98	7.278	7.268	(0.787)	183261	5.62768	5.6276
53 Toluene	91	7.359	7.359	(0.795)	2555	0.06619	0.0661(a)
55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
56 1,1,2-Trichloroethane	97	Compound Not Detected.					
57 Tetrachloroethene	164	Compound Not Detected.					
$ 58 2-Hexanone-d5	63	8.281	8.291	(0.895)	221253	53.5630	53.5630
60 2-Hexanone	43	Compound Not Detected.					
61 Dibromochloromethane	129	Compound Not Detected.					
62 1,2-Dibromoethane	107	Compound Not Detected.					
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	166117	5.00000	
64 Chlorobenzene	112	Compound Not Detected.					
65 Ethylbenzene	91	Compound Not Detected.					
67 m+p-Xylenes	106	Compound Not Detected.					
68 o-Xylene	106	Compound Not Detected.					
69 Styrene	104	Compound Not Detected.					
70 Bromoform	173	Compound Not Detected.					
71 Isopropylbenzene	105	Compound Not Detected.					
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	53375	5.32551	5.3255
74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
83 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	99452	5.00000	
86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	88234	5.59063	5.5906
89 1,2-Dichlorobenzene	146	Compound Not Detected.					
90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B10.D
Lab Smp Id: IK21009-001 Client Smp ID: Y3QQ2
Inj Date : 28-NOV-2007 18:46
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

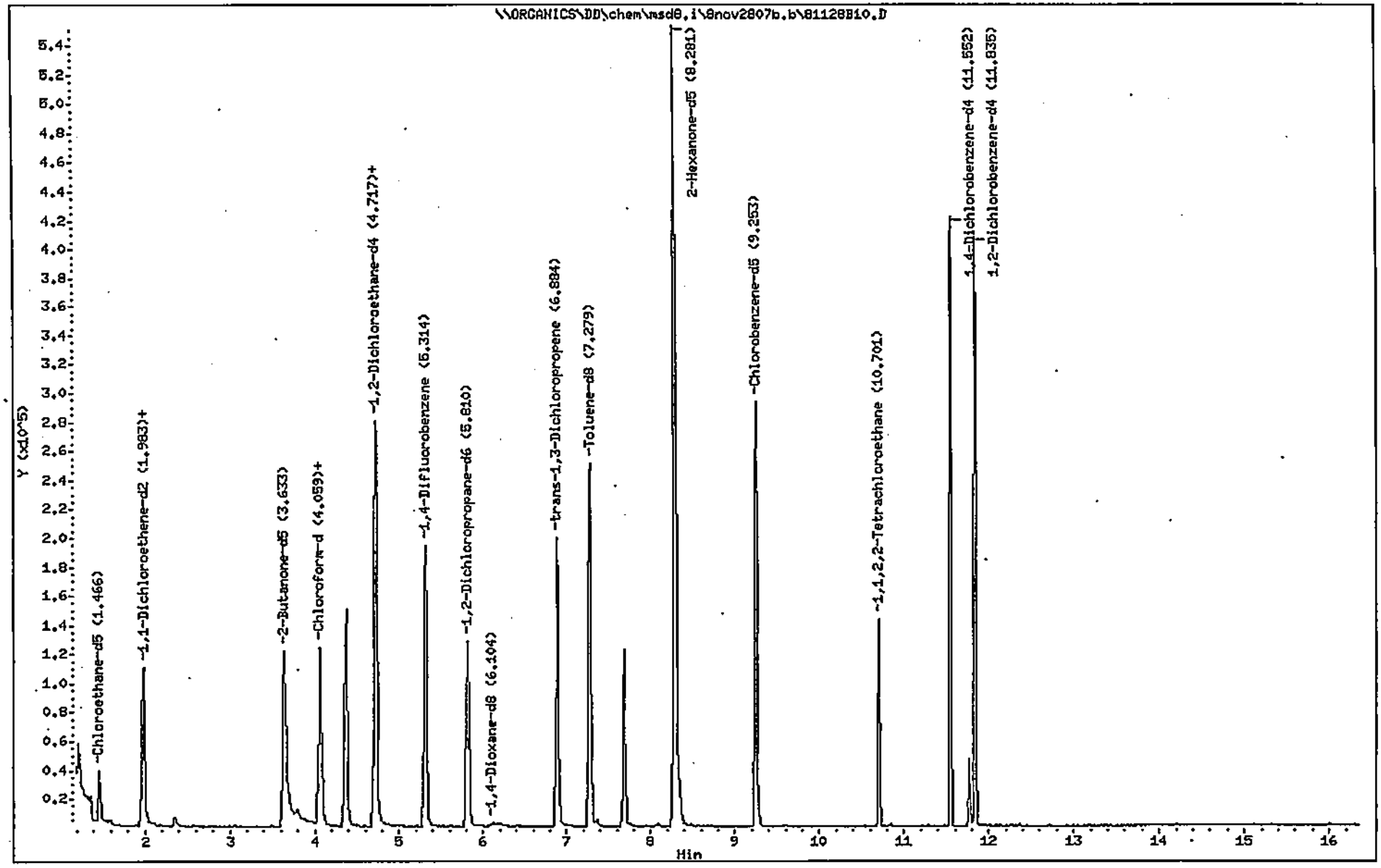
ISTD	RT	AREA	AMOUNT
* 41 1,4-Difluorobenzene	5.314	422843	5.000
* 85 1,4-Dichlorobenzene-d4	11.552	584991	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.795	84064	0.99403198	0.9940	0		0	41
Unknown				CAS #:			
11.775	60543	0.51746853	0.5174	0		0	85

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B10.D
Date : 28-NOV-2007 18:46
Client ID: Y3QQ2
Sample Info: 8nov2807b.b, IK21009-001
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 28-NOV-2007 18:46

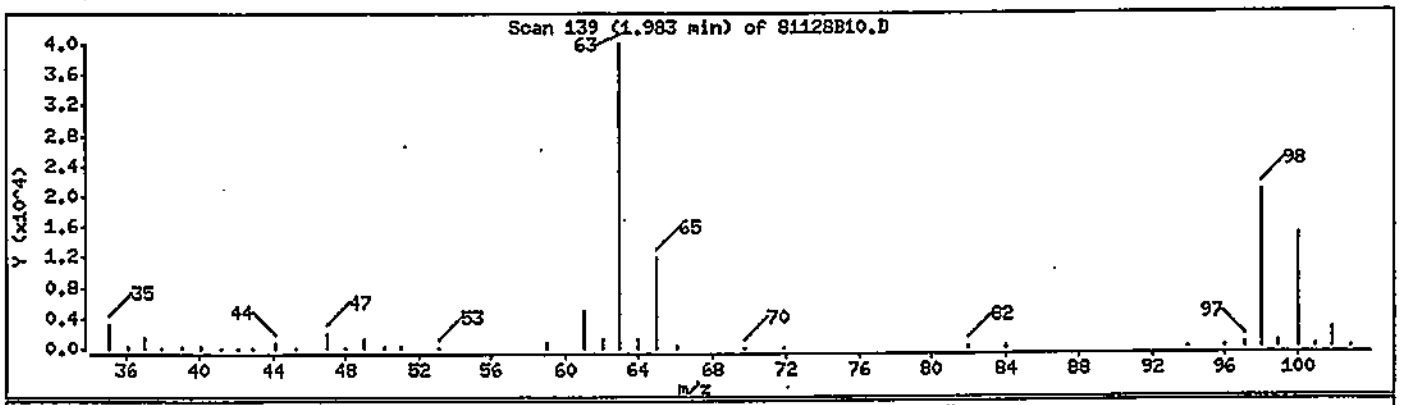
Client ID: Y3QQ2 Instrument: msd8.i

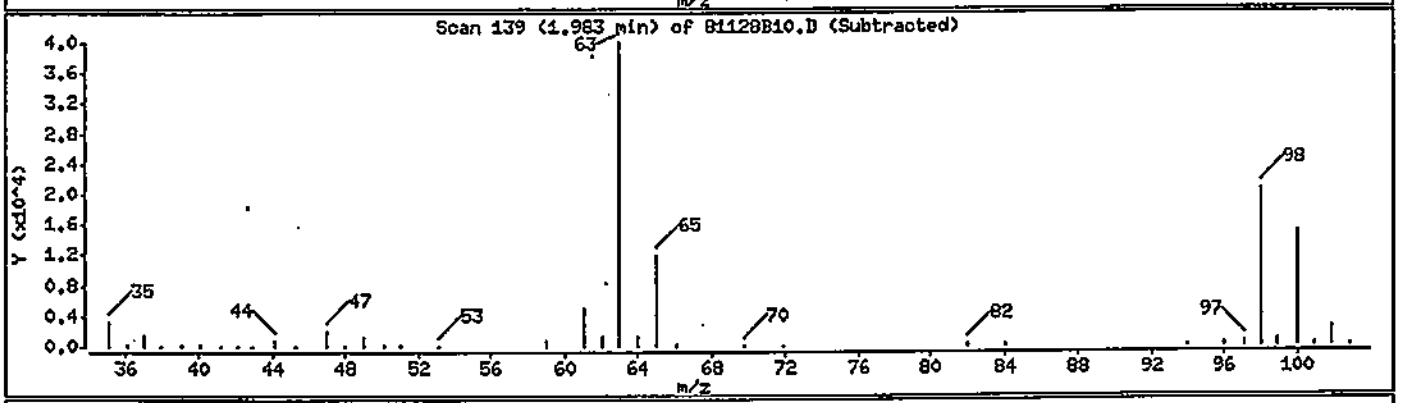
Sample Info: 8nov2807b.b, IK21009-001

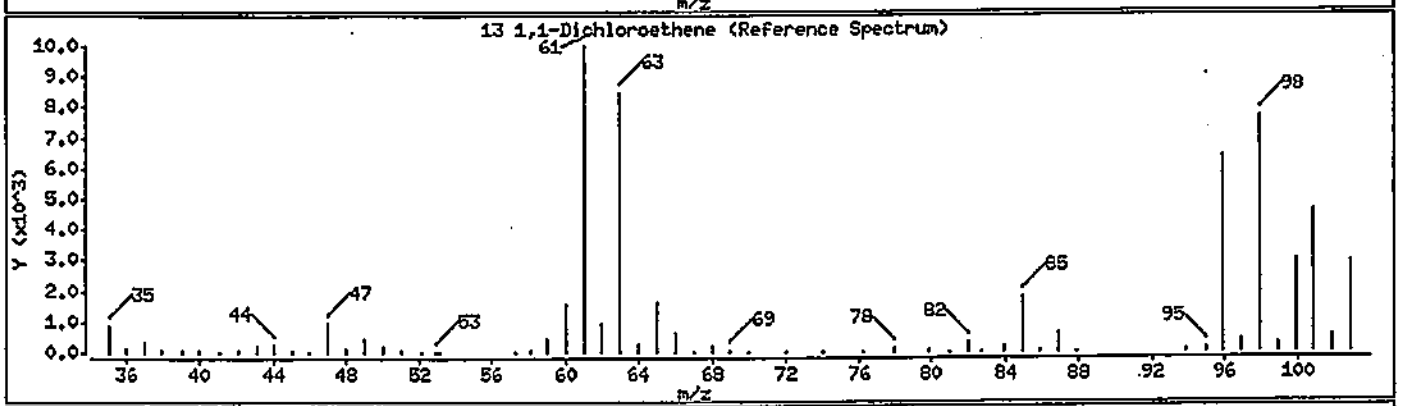
Purge Volume: 25.0 Operator: DLB

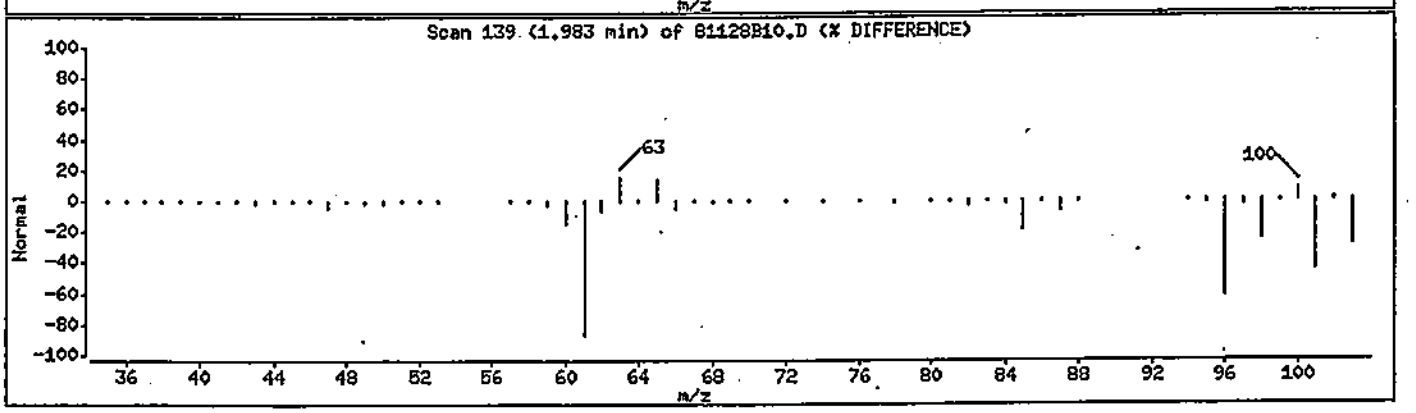
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0703 ug/L









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Date : 28-NOV-2007 18:46

Client ID: Y3QQ2

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-001

Purge Volume: 25.0

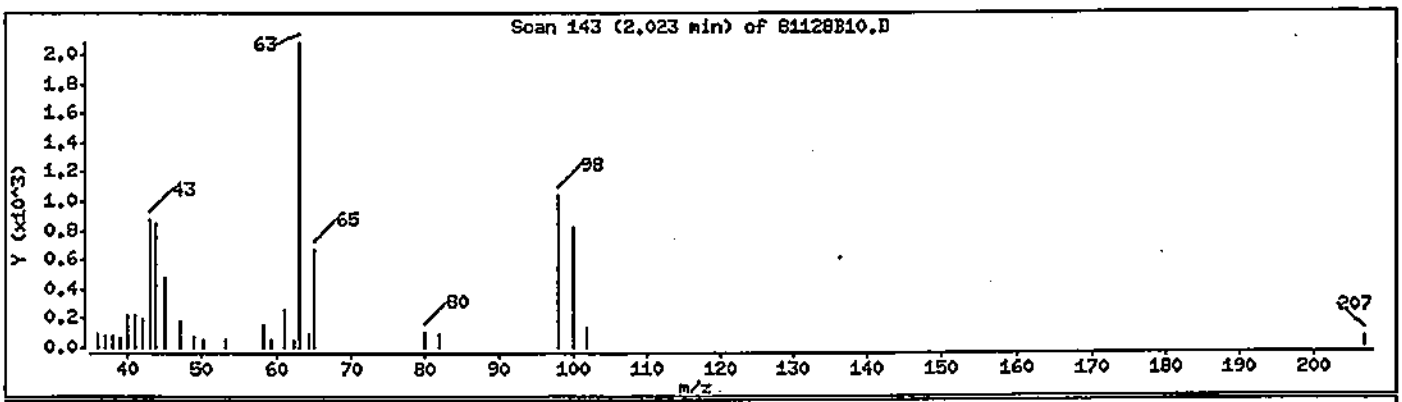
Operator: DLB

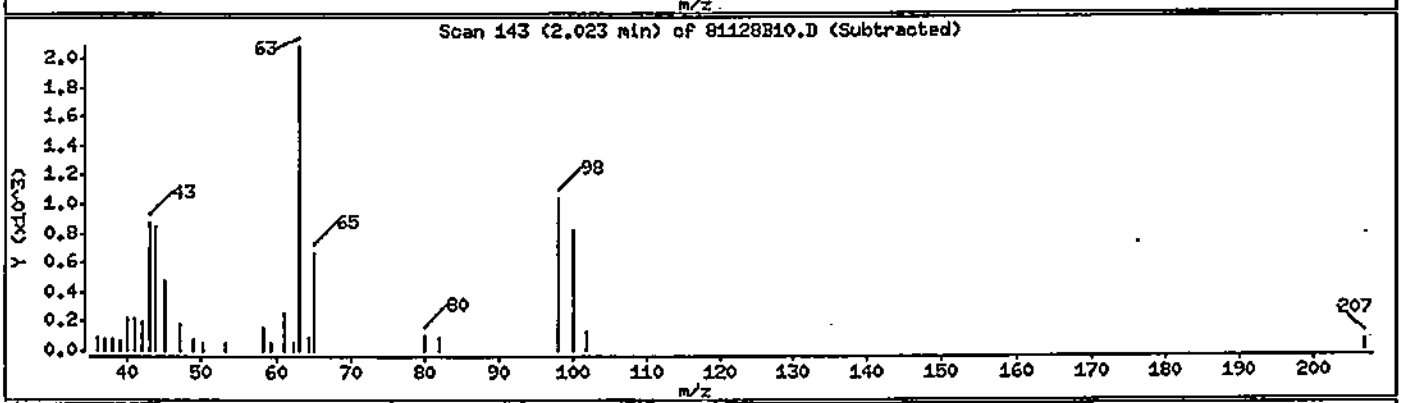
Column phase: DB-624

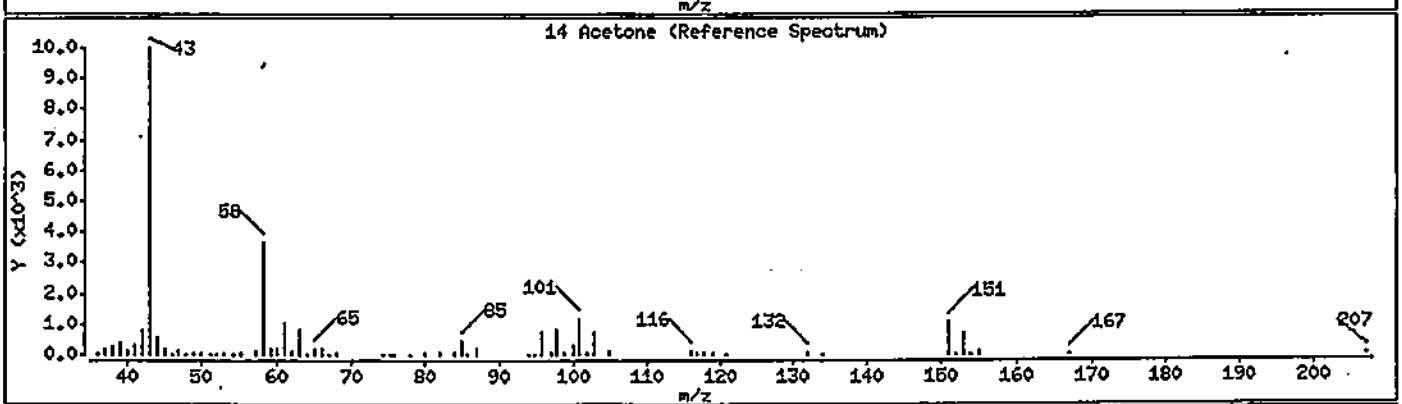
Column diameter: 0.18

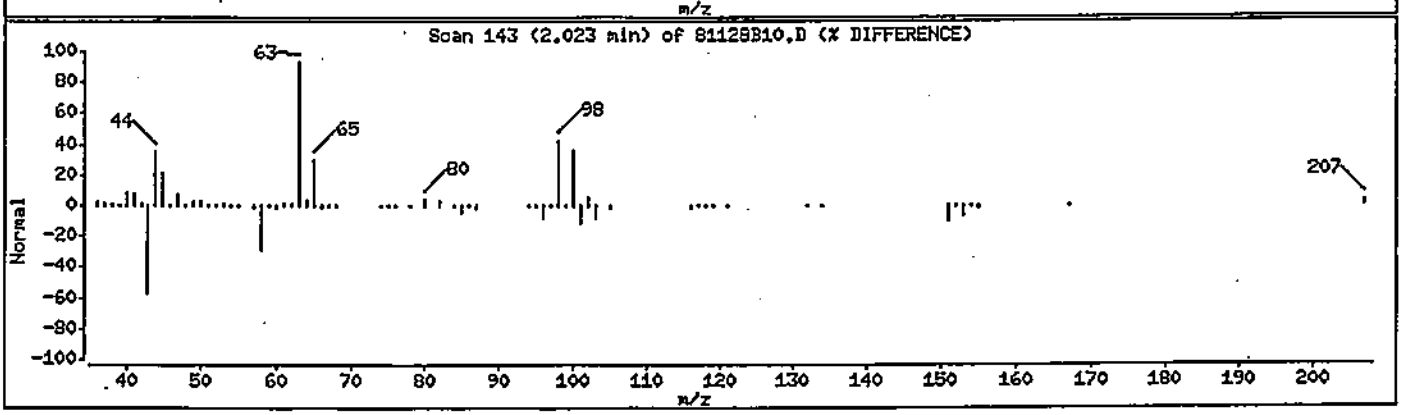
14 Acetone

Concentration: 0.8300 ug/L









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Date : 28-NOV-2007 18:46

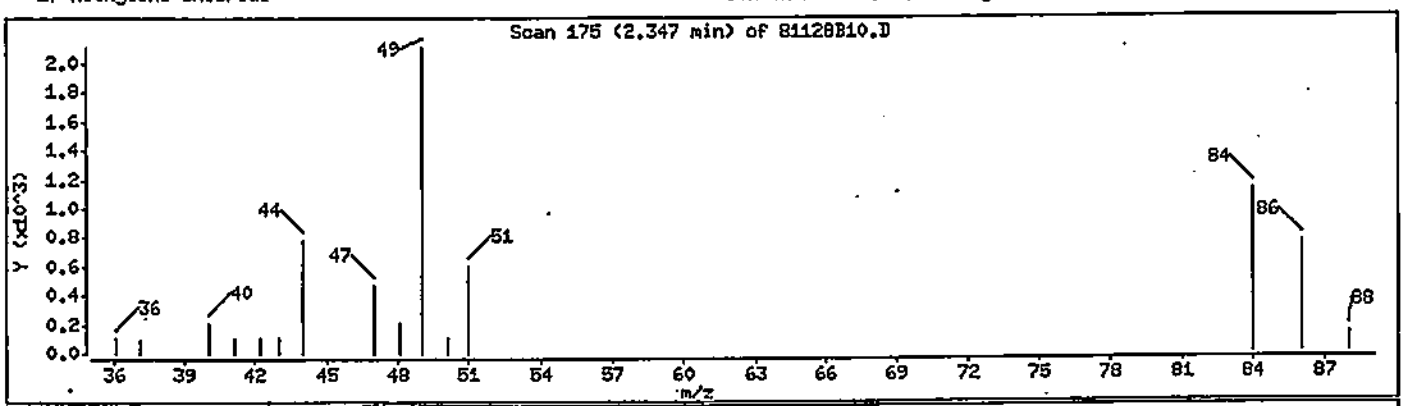
Client ID: Y3QQ2 | Instrument: msd8.i

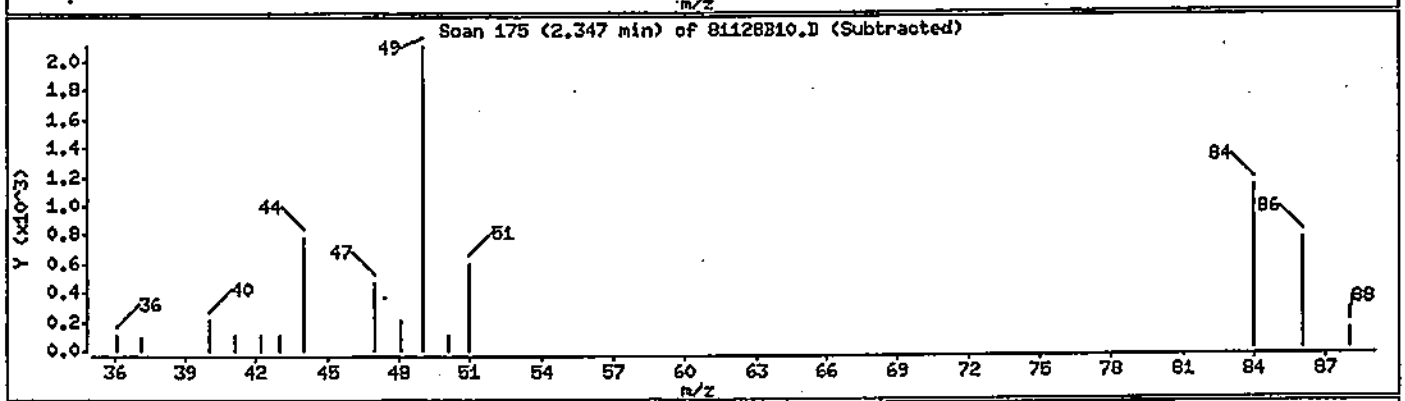
Sample Info: 8nov2807b.b, IK21009-001

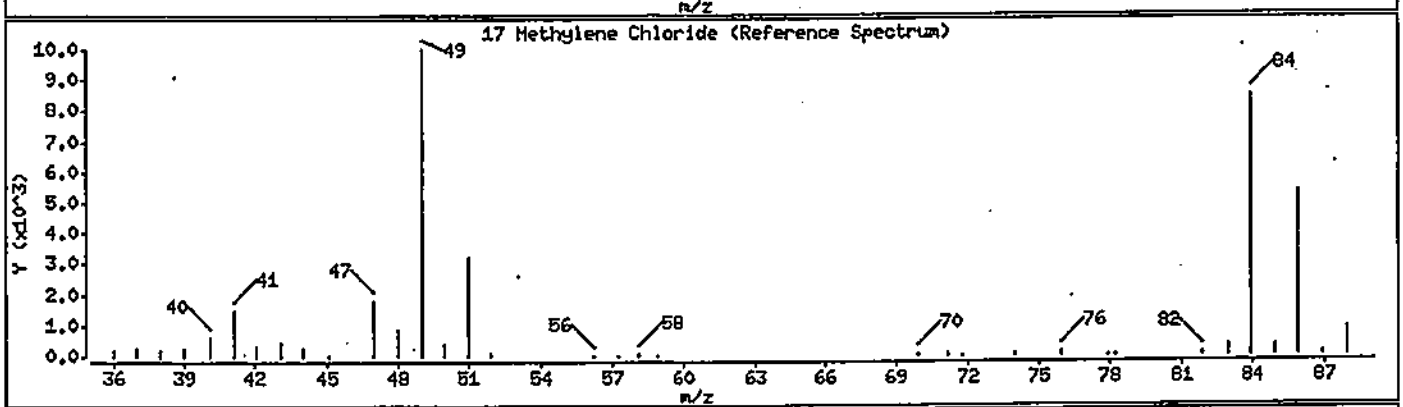
Purge Volume: 25.0 | Operator: DLB

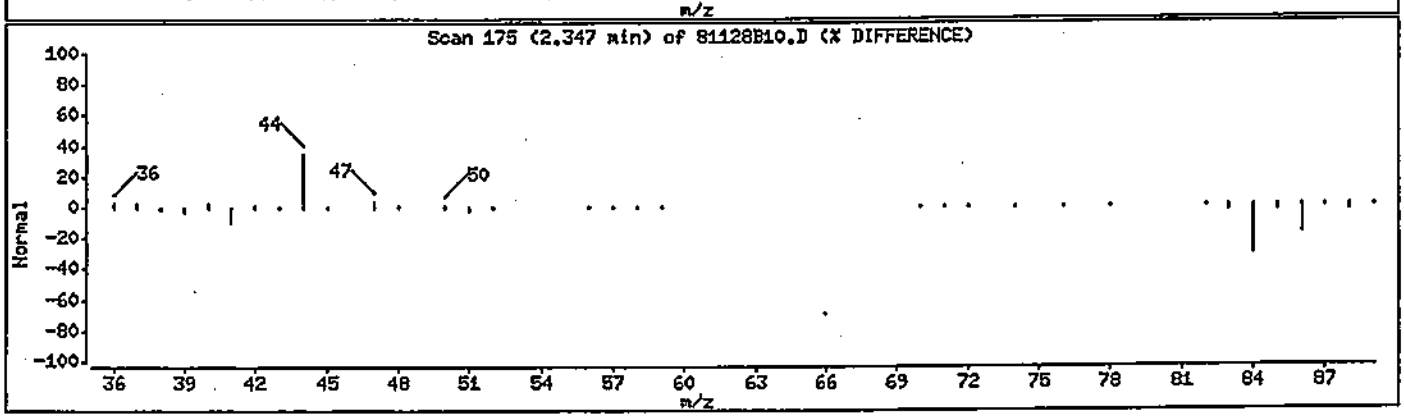
Column phase: DB-624 | Column diameter: 0.18

17 Methylene Chloride | Concentration: 0.2635 ug/L









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Date : 28-NOV-2007 18:46

Client ID: Y3QQ2

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-001

Purge Volume: 25.0

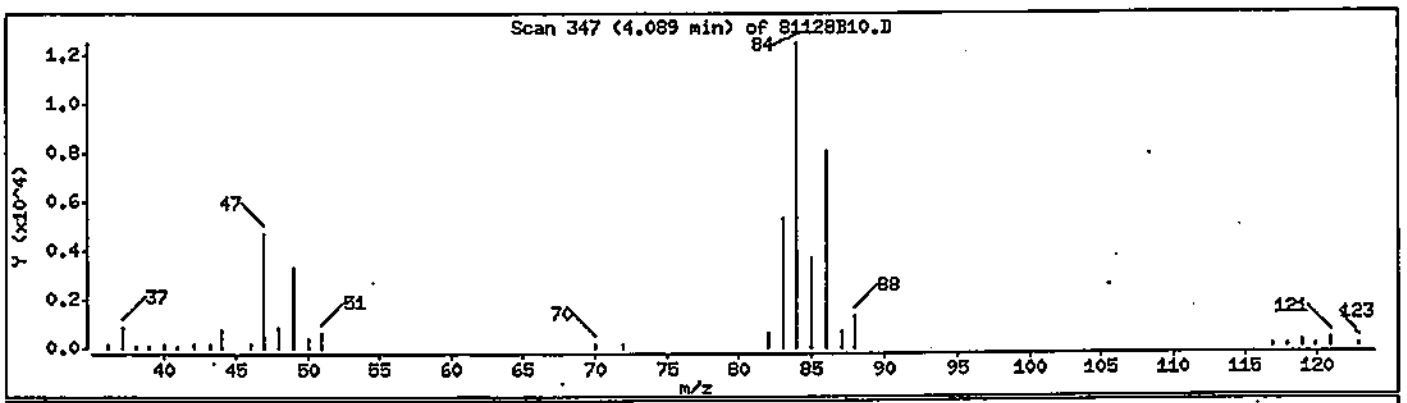
Operator: DLB

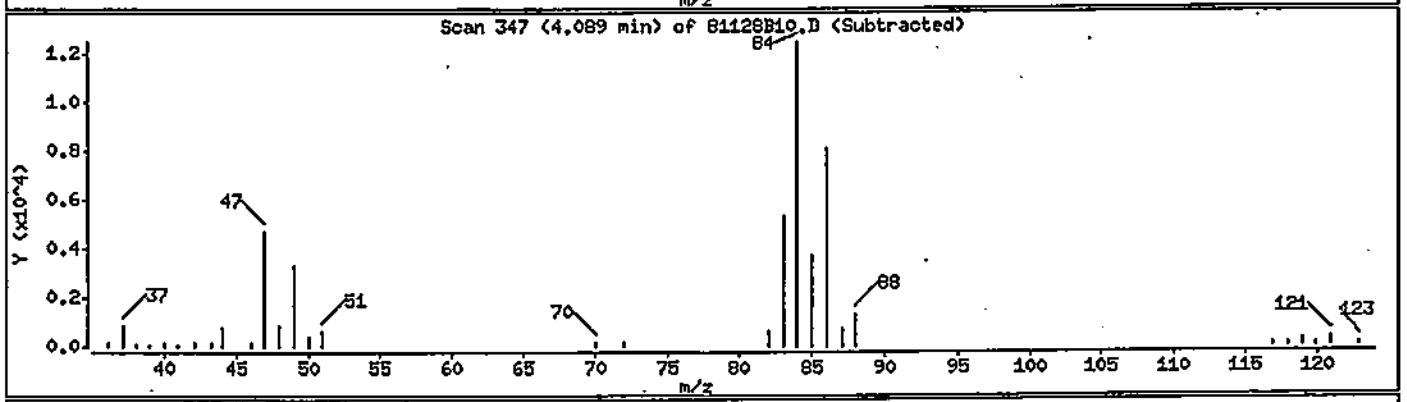
Column phase: DB-624

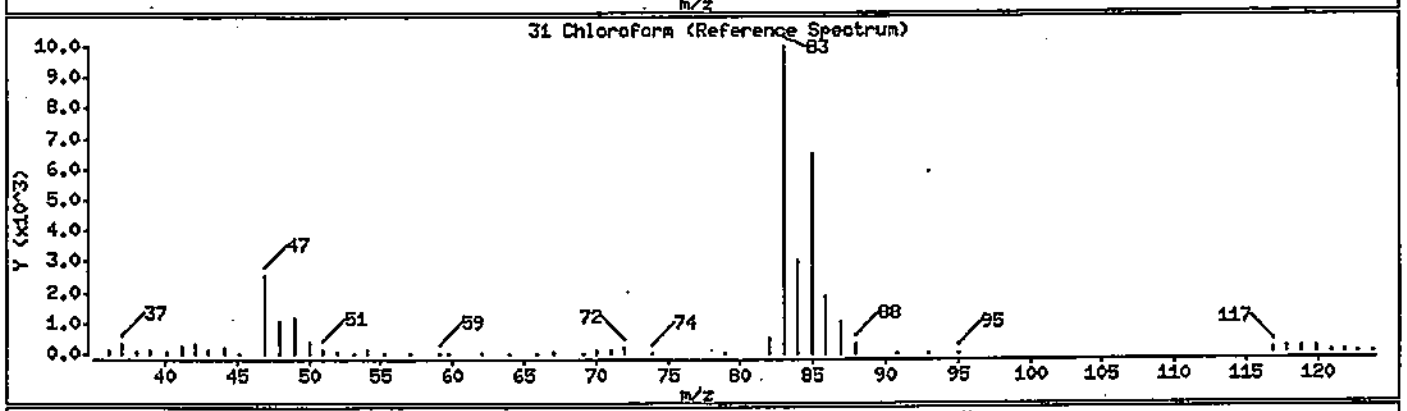
Column diameter: 0.18

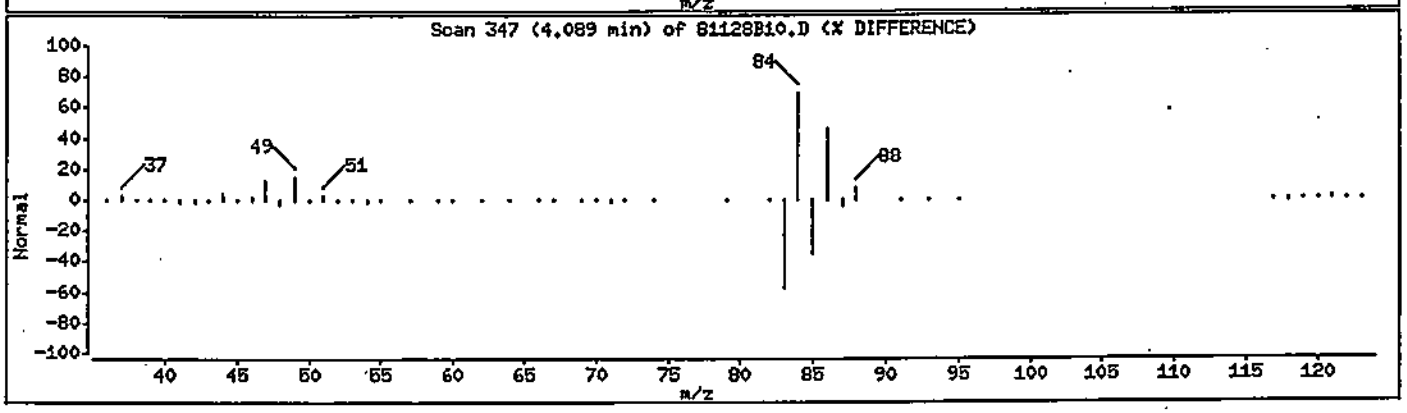
31 Chloroform

Concentration: 0.6594 ug/L









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Date : 28-NOV-2007 18:46

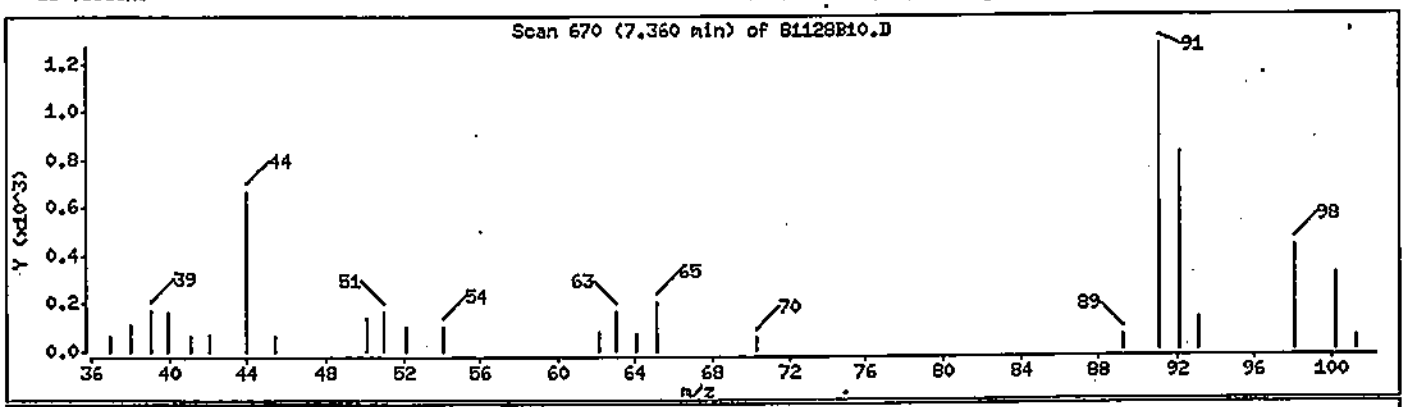
Client ID: Y3QQ2 Instrument: msd8.i

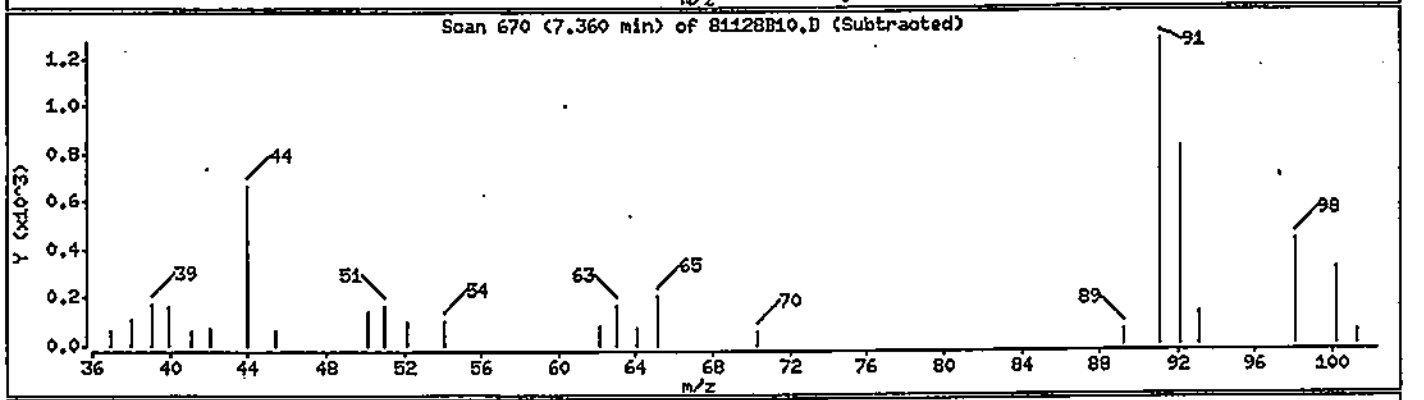
Sample Info: 8nov2807b.b, IK21009-001

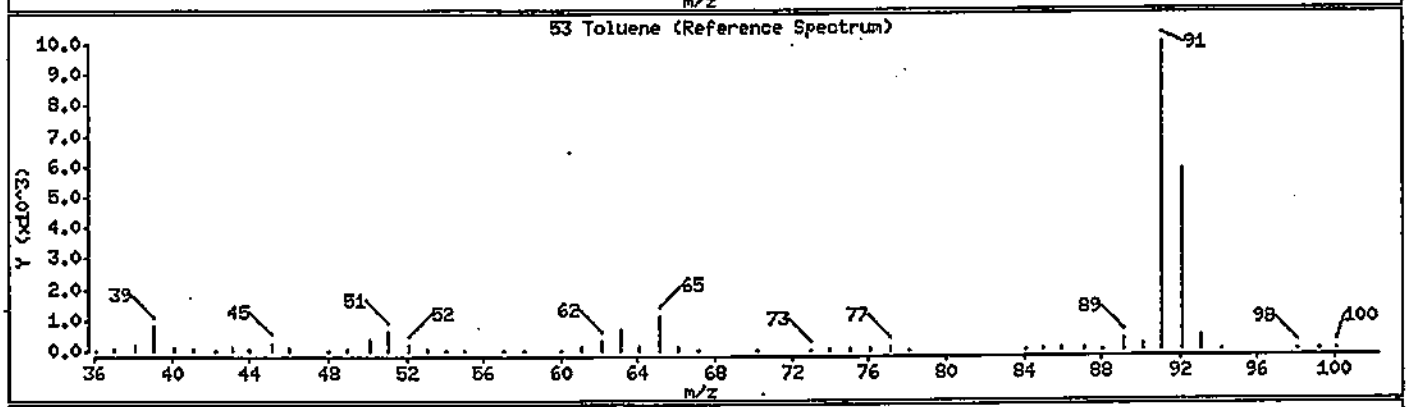
Purge Volume: 25.0 Operator: DLB

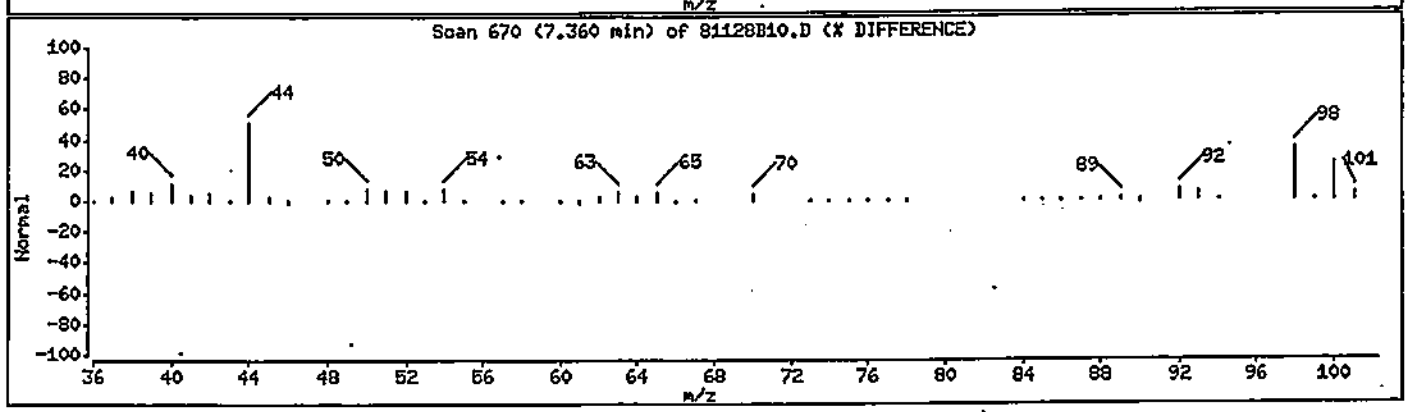
Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0661 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B10.D

Date : 28-NOV-2007 18:46

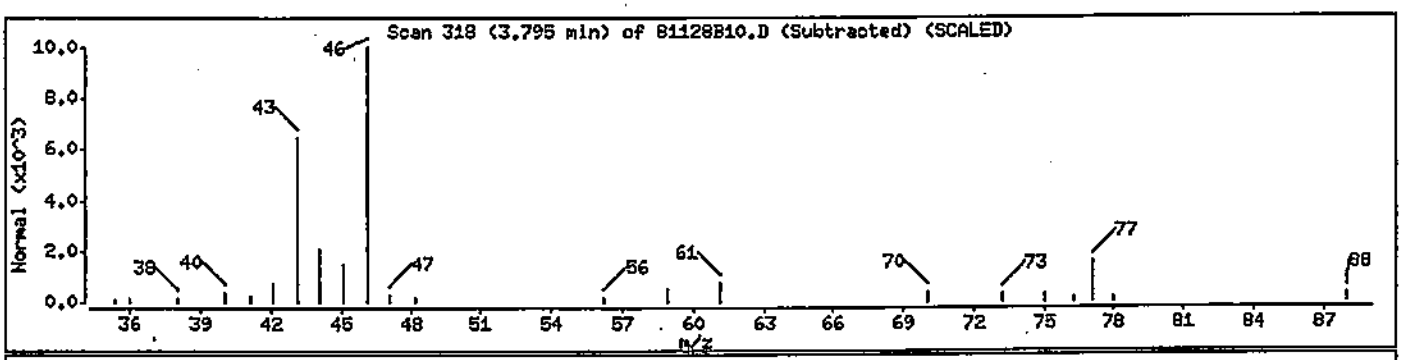
Client ID: Y3Q02 Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B10.D

Date : 28-NOV-2007 18:46

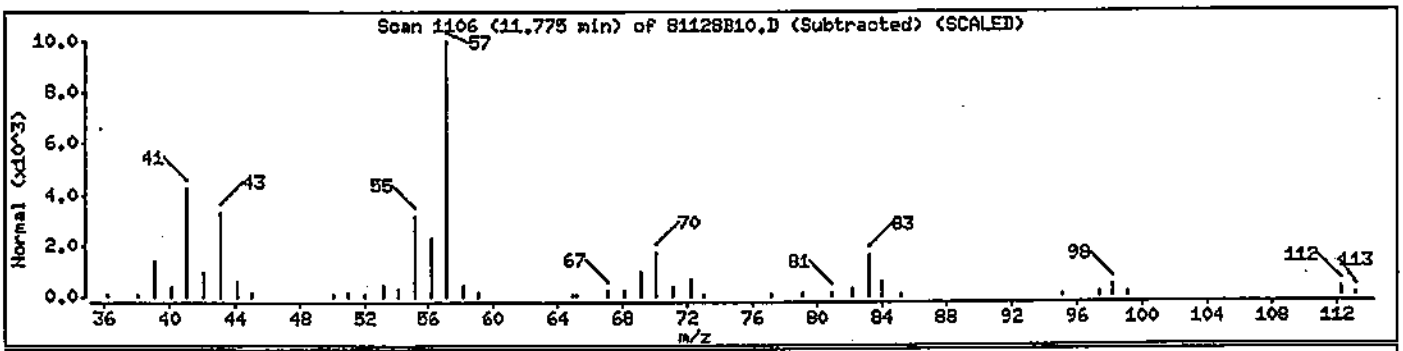
Client ID: Y3QQ2 Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	1.6	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.25	JB
156-60-5	trans-1,2-Dichloroethene	0.16	J
1634-04-4	Methyl tert-butyl ether	0.074	J
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	0.37	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.61	
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	62	E
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.2	
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.2	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
Y3QQ3

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B12

Level: (TRACE or LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.785	3.2	J
02		Unknown-02	11.775	0.62	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D
Lab Smp Id: IK21009-002 Client Smp ID: Y3QQ3
Inj Date : 28-NOV-2007 19:30
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-002
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	26194	7.28936	7.2893(R)
4 Vinyl Chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	29156	7.35508	7.3550(R)
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	110554	5.17174	5.1717
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	14191	1.63153	1.6315(Q)
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14 Acetone	43	Compound Not Detected.					
15 Carbon Disulfide	76	Compound Not Detected.					
16 Methyl Acetate	43	Compound Not Detected.					
17 Methylene Chloride	84	2.347	2.347	(0.442)	2710	0.24775	0.2477(a)
20 Methyl tert-Butyl Ether	73	2.569	2.579	(0.484)	2368	0.07446	0.0744(a)
21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	1452	0.15595	0.1559(a)
23 1,1-Dichloroethane	63	Compound Not Detected.					
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	348156	55.0190	55.0190
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	119717	11.7601	11.7601
28 2-Butanone	43	3.643	3.714	(0.686)	2443	0.36833	0.3683(aQ)
29 Bromochloromethane	128	Compound Not Detected.					
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	109663	5.68544	5.6854(Q)
31 Chloroform	83	4.088	4.088	(0.769)	10899	0.61307	0.6130
33 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	70072	5.51944	5.5194
$	36 Benzene-d6	84	4.715	4.716	(0.510)	202970	5.72288	5.7228
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	174975	5.00000	
	42 Trichloroethene	95	5.628	5.627	(0.608)	639528	61.7411	61.7411(A)
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	60831	5.11939	5.1193
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.114	6.124	(1.151)	9636	232.578	232.5780(Q)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	113753	5.27570	5.2757
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.268	(0.787)	183603	5.62883	5.6288
	53 Toluene	91	7.359	7.359	(0.795)	47290	1.22310	1.2230
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	27883	3.15647	3.1564
$	58 2-Hexanone-d5	63	8.281	8.291	(0.895)	234608	56.7019	56.7019
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	166393	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	53524	5.33152	5.3315
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	101357	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	90675	5.63731	5.6373
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D
Lab Smp Id: IK21009-002 Client Smp ID: Y3QQ3
Inj Date : 28-NOV-2007 19:30
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-002
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 41 1,4-Difluorobenzene	5.314	424062	5.000
* 85 1,4-Dichlorobenzene-d4	11.552	596558	5.000

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.785	271772	3.20437833	3.2043	0		0	41(L)
Unknown				CAS #:			
11.775	74144	0.62143189	0.6214	0		0	85

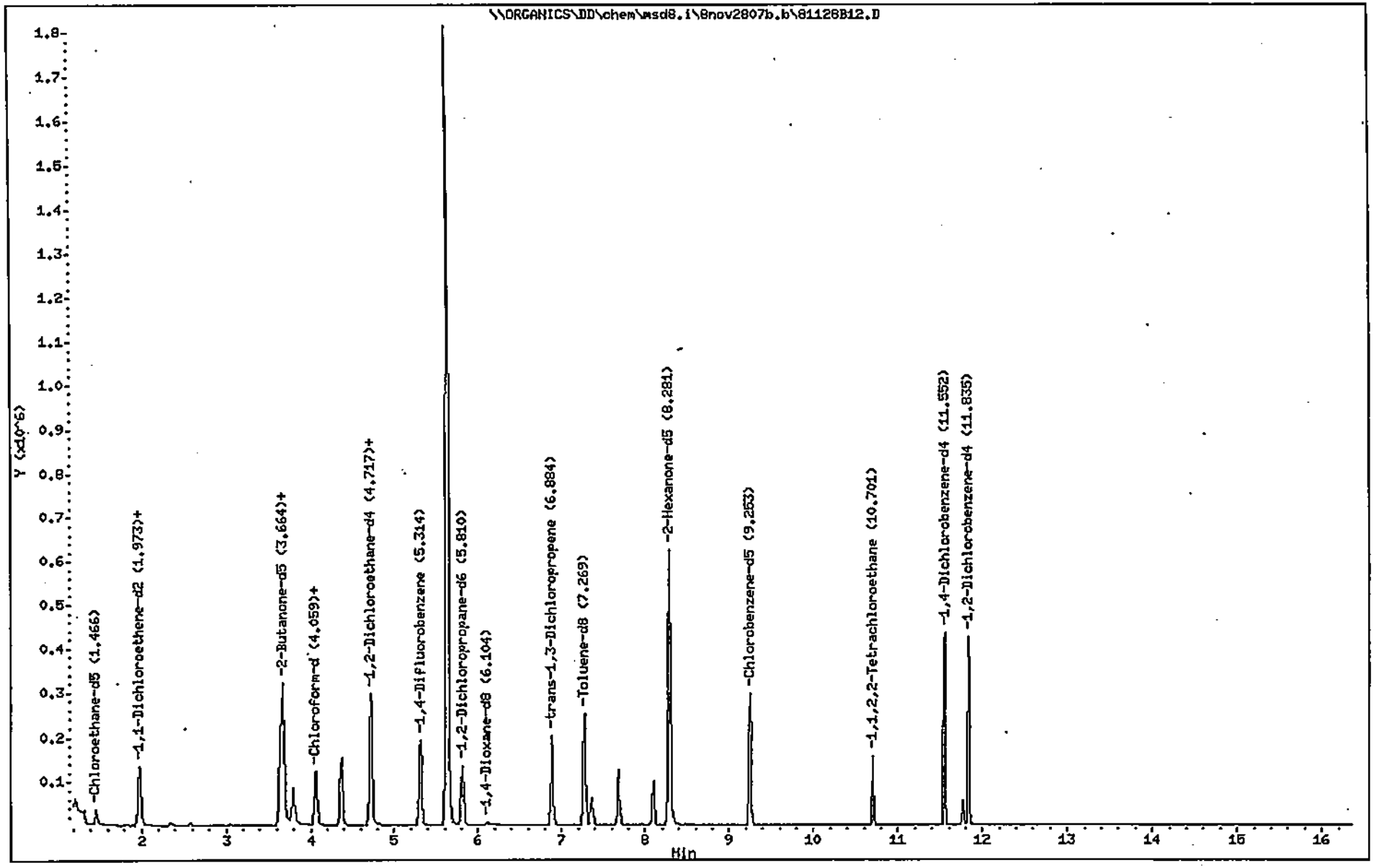
QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D
Date : 28-NOV-2007 19:30
Client ID: Y3QQ3
Sample Info: 8nov2807b.b, IK21009-002
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 28-NOV-2007 19:30.

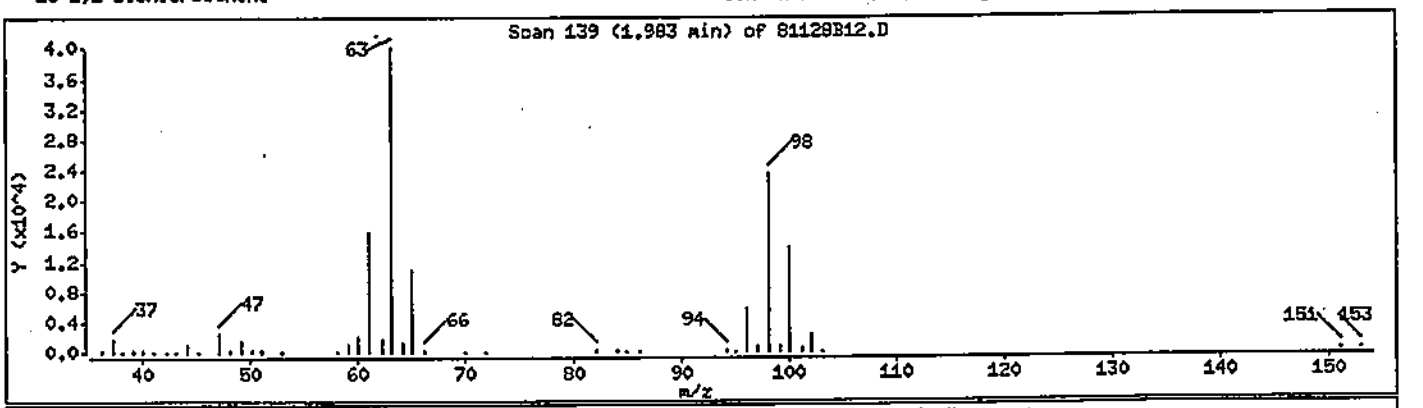
Client ID: Y3QQ3 Instrument: msd8.i

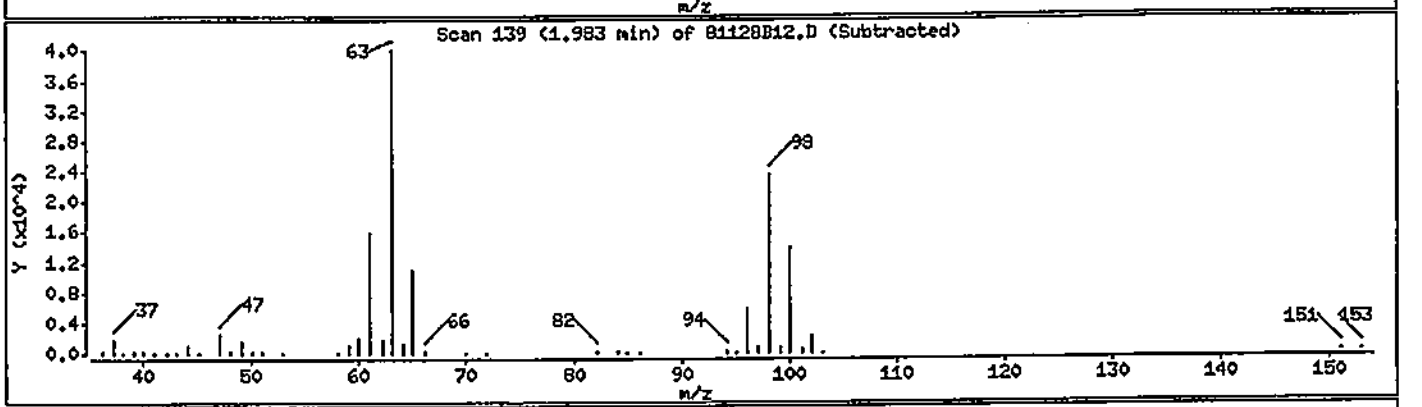
Sample Info: 8nov2807b.b, IK21009-002

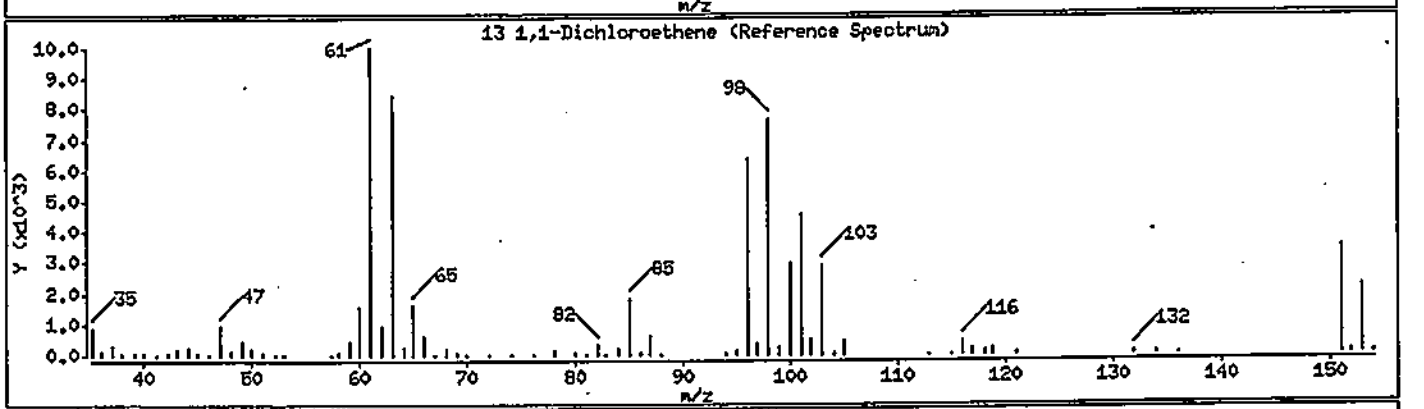
Purge Volume: 25.0 Operator: DLB

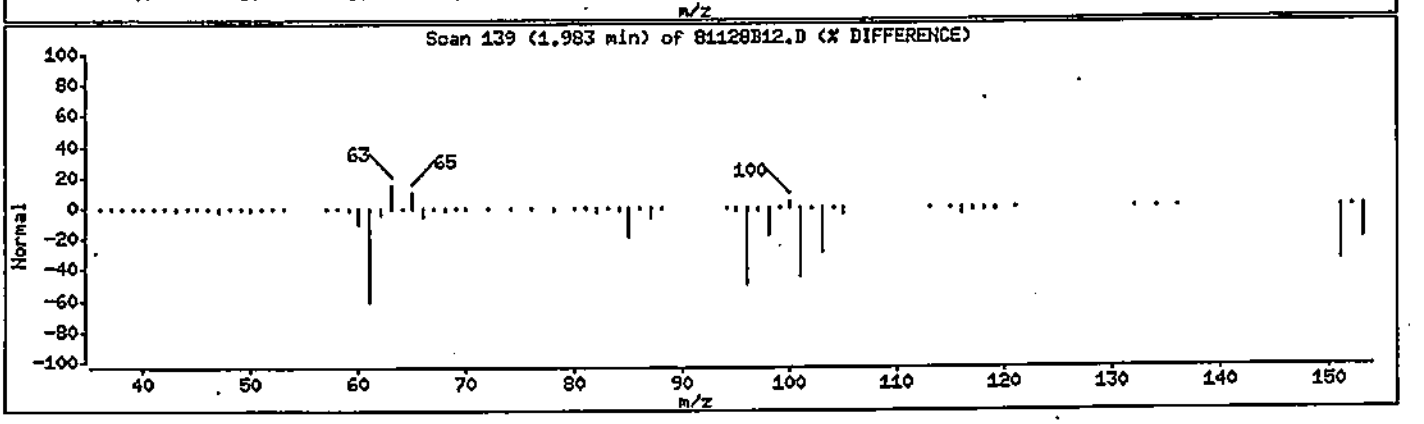
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 1.6315 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D

Date : 28-NOV-2007 19:30

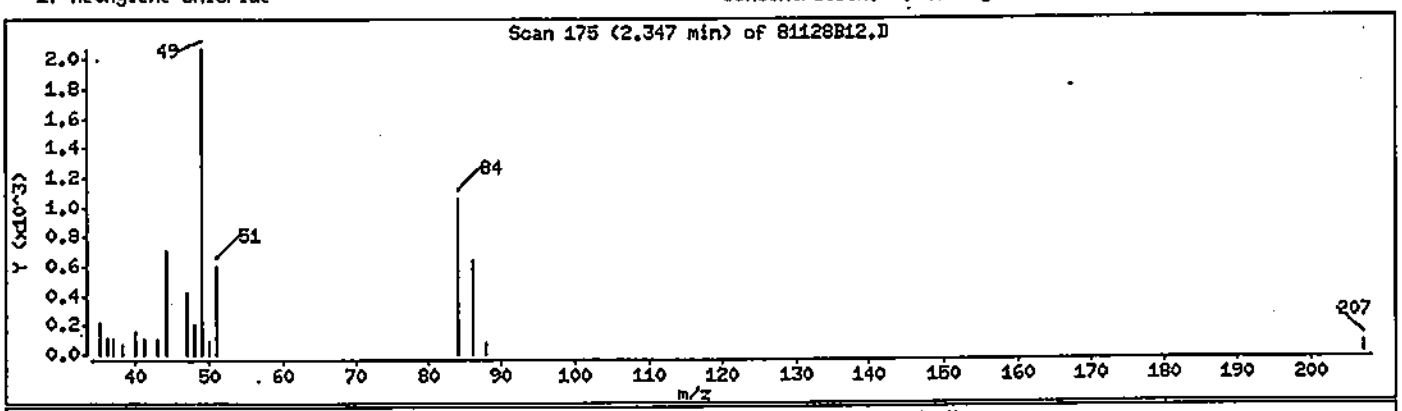
Client ID: Y3QQ3 | Instrument: msd8.i

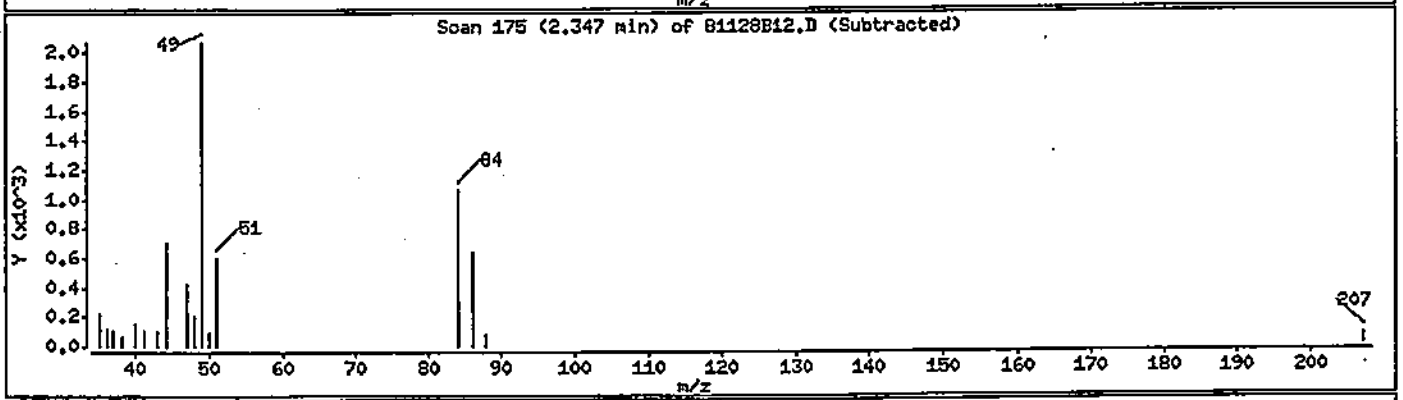
Sample Info: 8nov2807b.b, IK21009-002

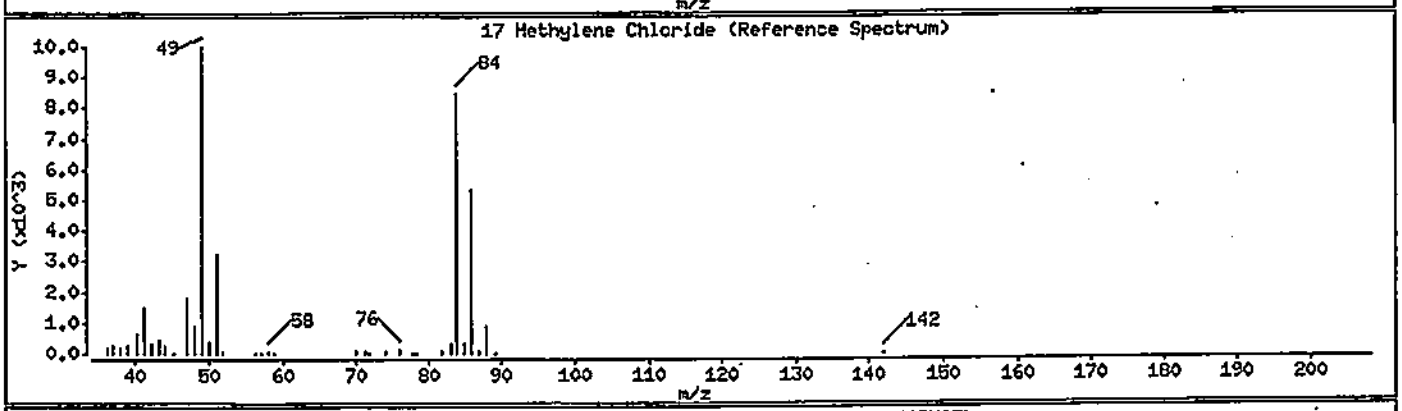
Purge Volume: 25.0 | Operator: DLB

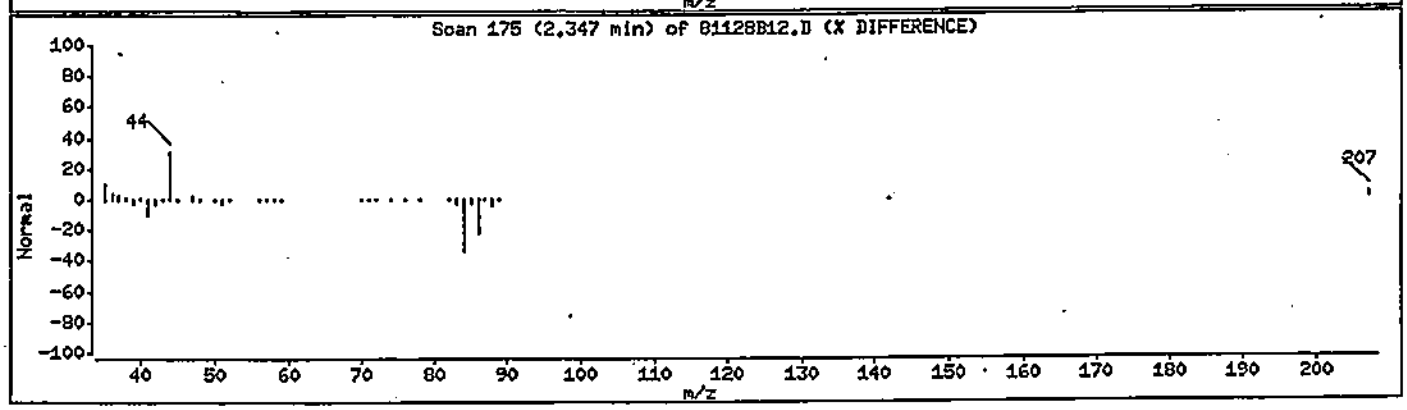
Column phase: DB-624 | Column diameter: 0.18

17 Methylene Chloride | Concentration: 0.2477 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D

Date : 28-NOV-2007 19:30

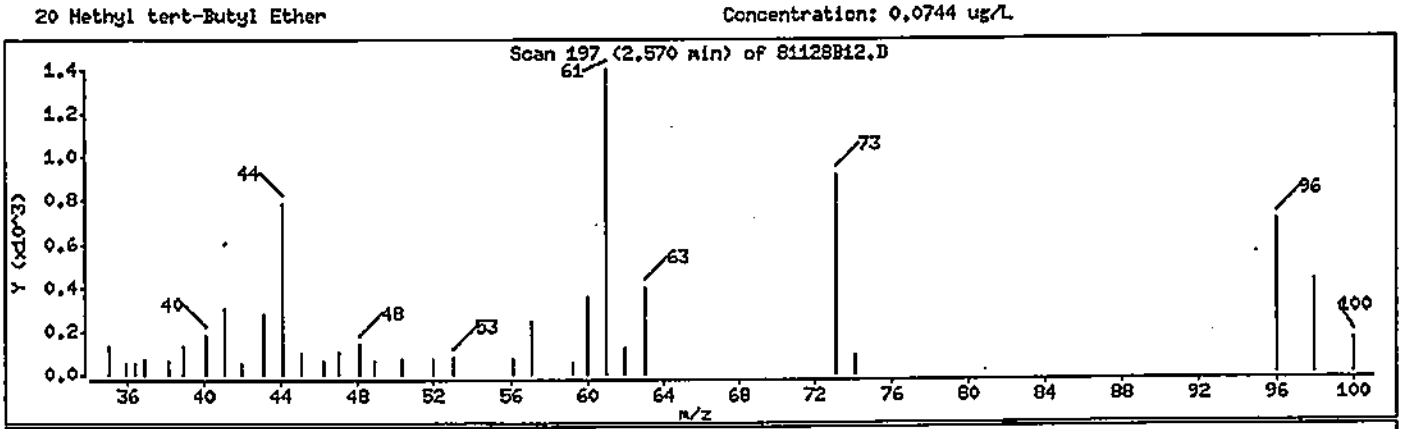
Client ID: Y3QQ3 Instrument: msd8.i

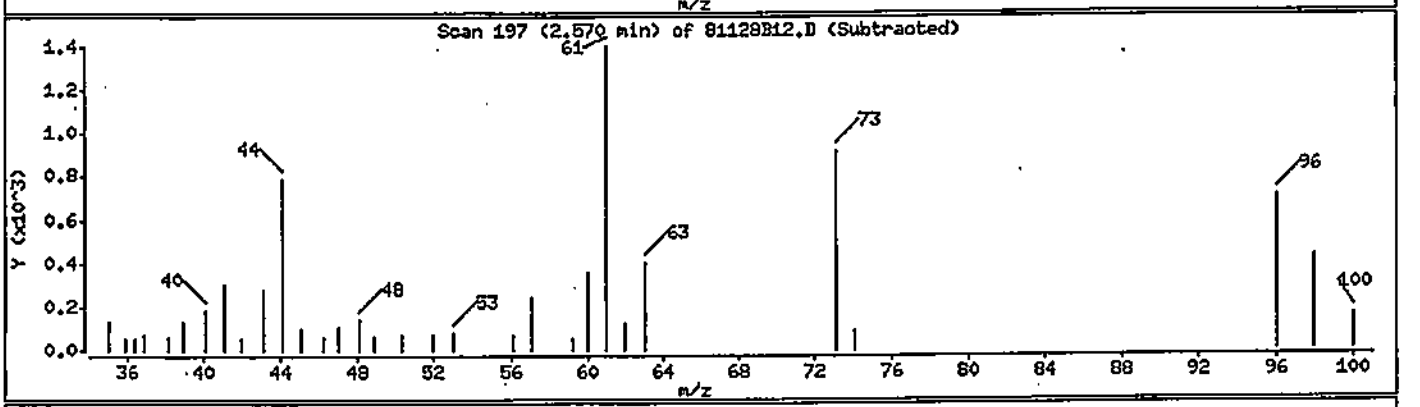
Sample Info: 8nov2807b.b, IK21009-002

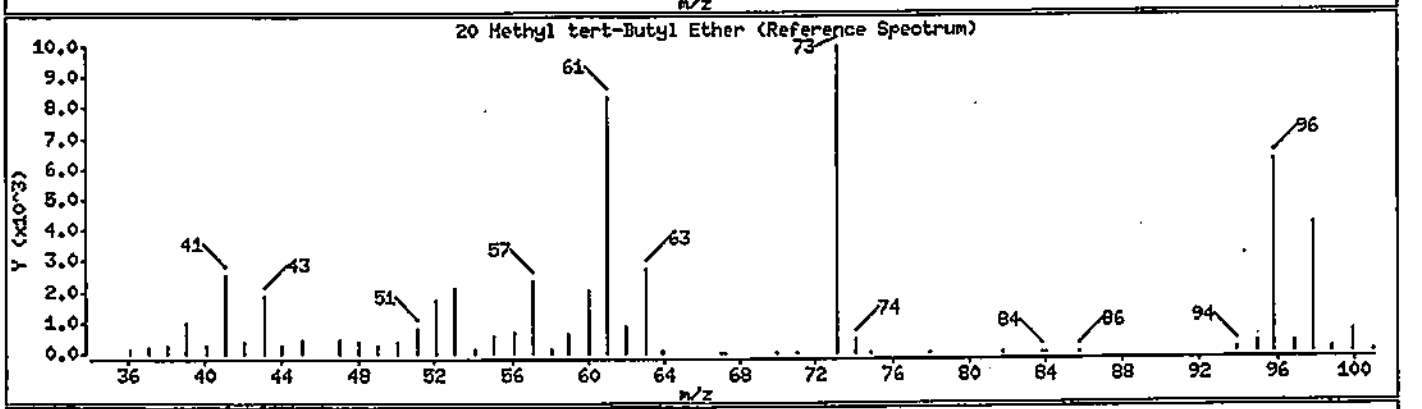
Purge Volume: 25.0 Operator: DLB

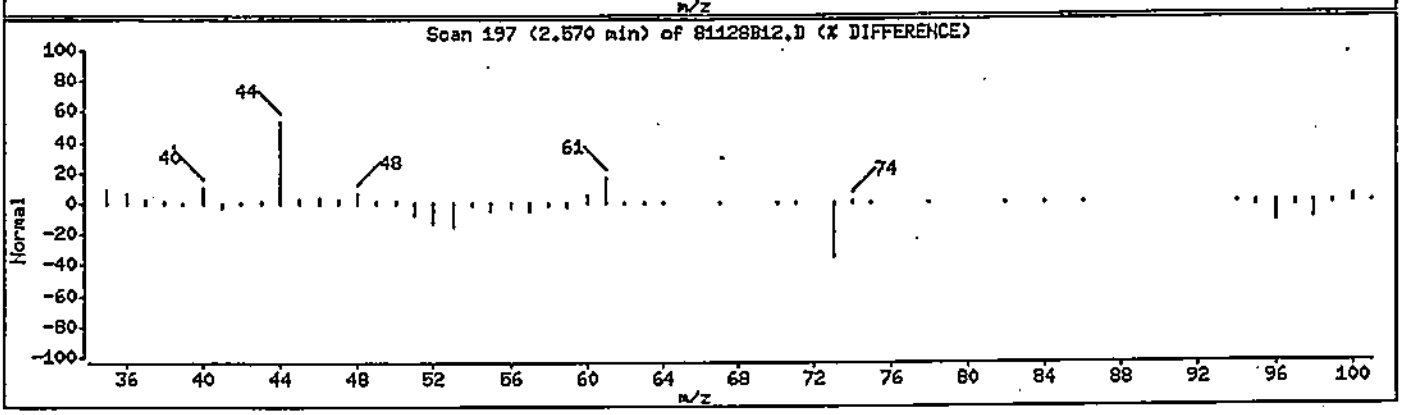
Column phase: DB-624 Column diameter: 0.18

20 Methyl tert-Butyl Ether Concentration: 0.0744 ug/L









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Date : 28-NOV-2007 19:30

Client ID: Y3QQ3

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-002

Purge Volume: 25.0

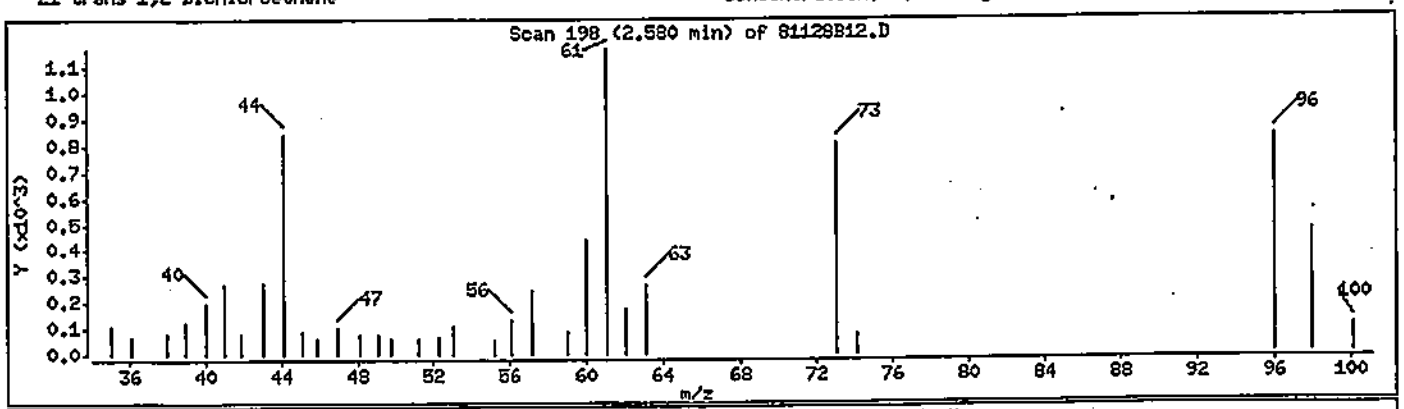
Operator: DLB

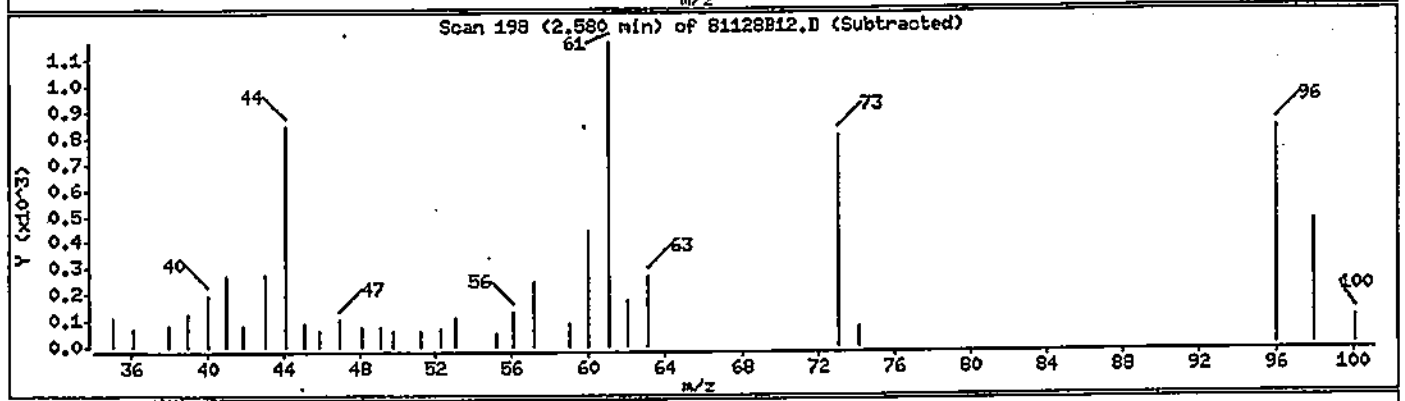
Column phase: DB-624

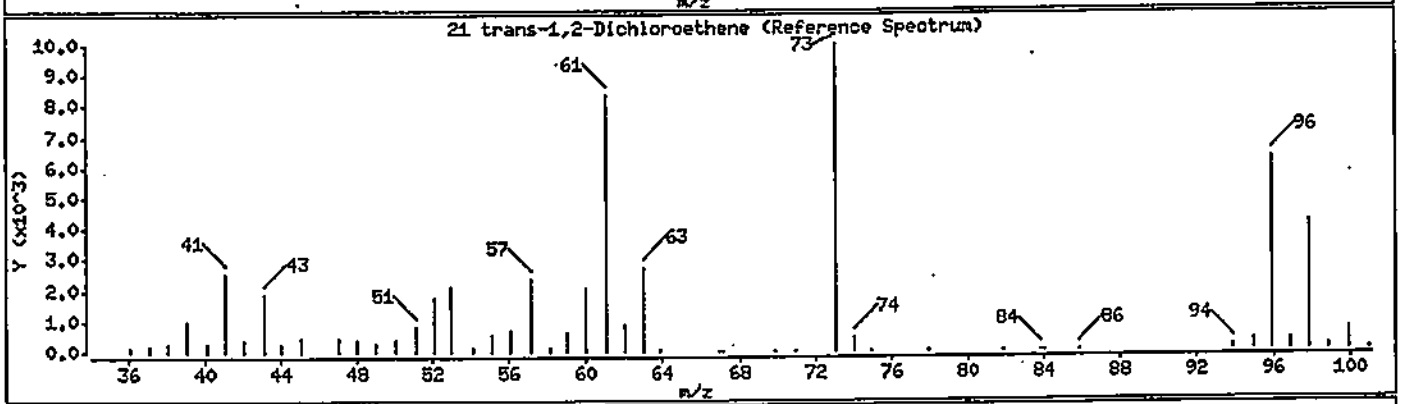
Column diameter: 0.18

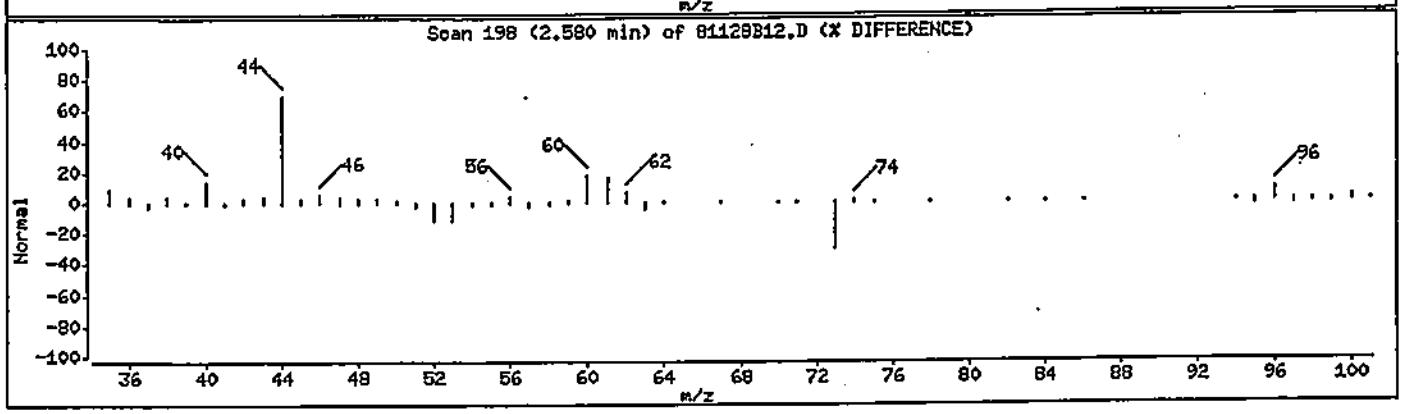
21 trans-1,2-Dichloroethene

Concentration: 0.1559 ug/L









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Date : 28-NOV-2007 19:30

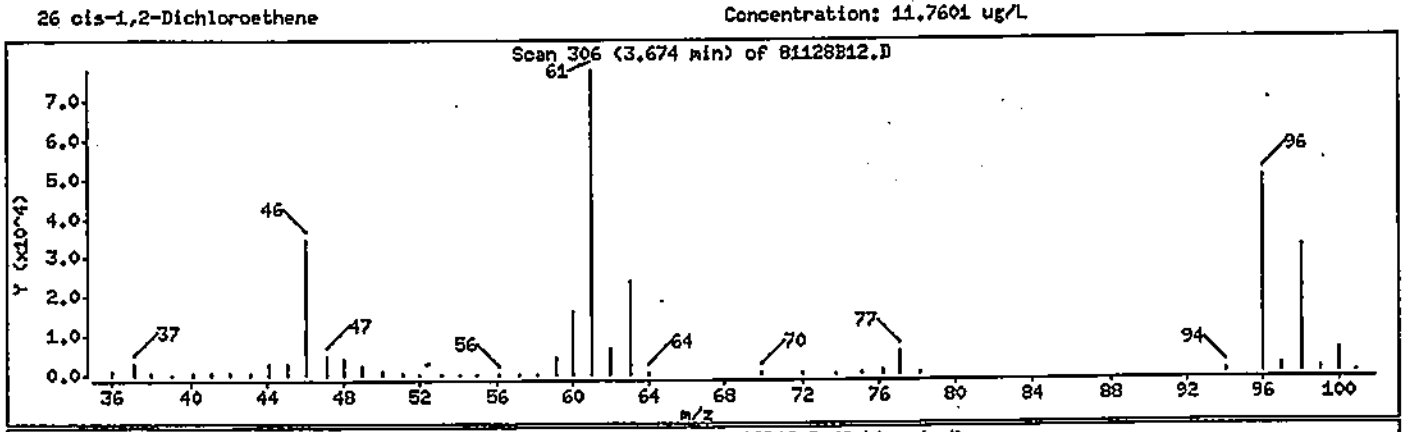
Client ID: Y3QQ3 Instrument: msd8.i

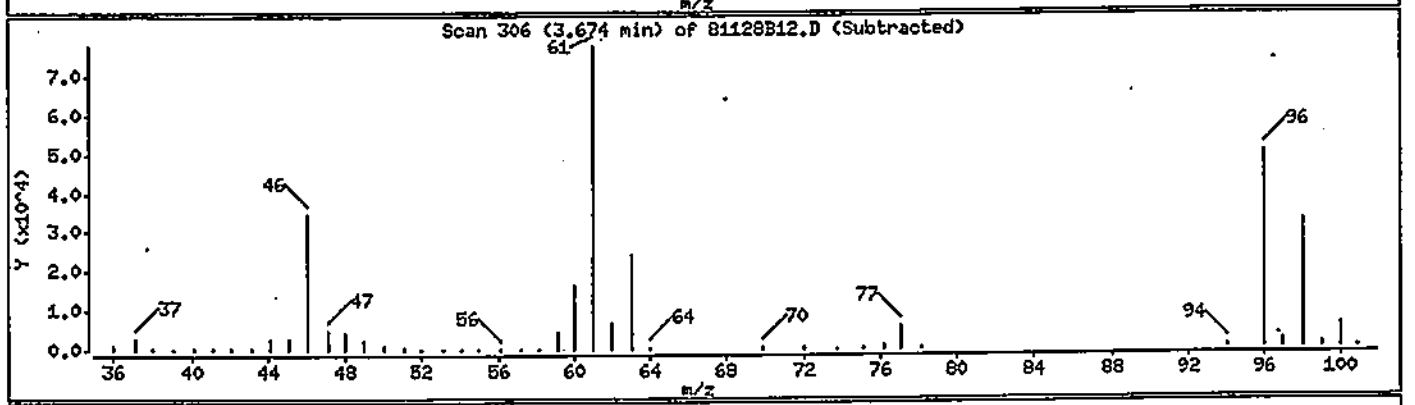
Sample Info: 8nov2807b.b, IK21009-002

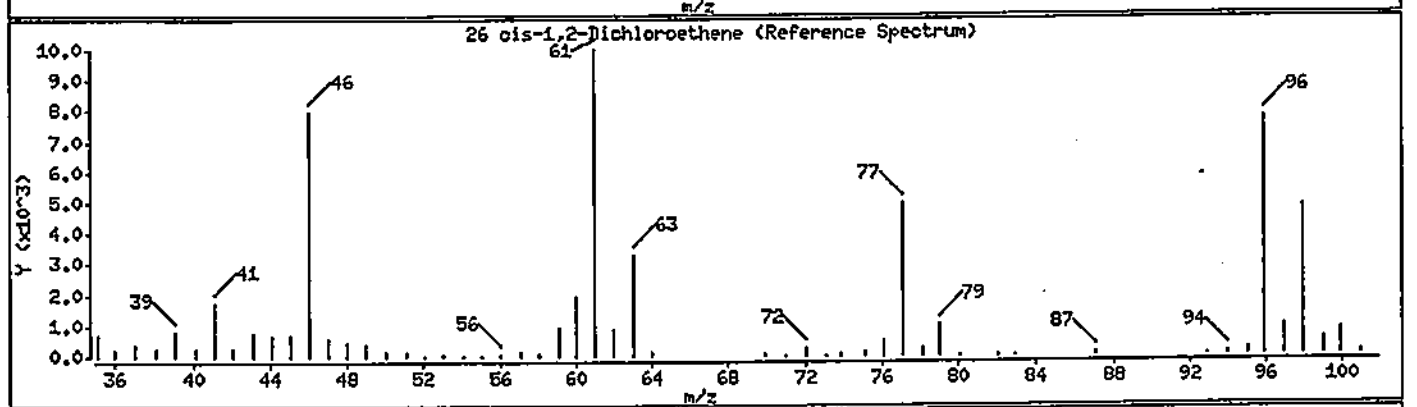
Purge Volume: 25.0 . Operator: DLB

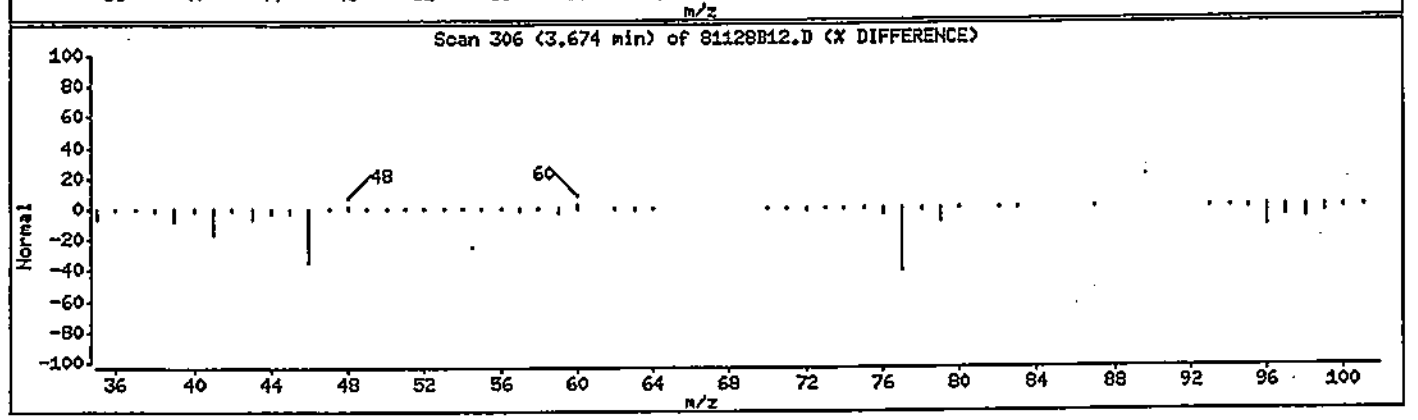
Column phase: DB-624 Column diameter: 0.18

26 cis-1,2-Dichloroethene Concentration: 11.7601 ug/L









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Date : 28-NOV-2007 19:30

Client ID: Y3QQ3

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-002

Purge Volume: 25.0

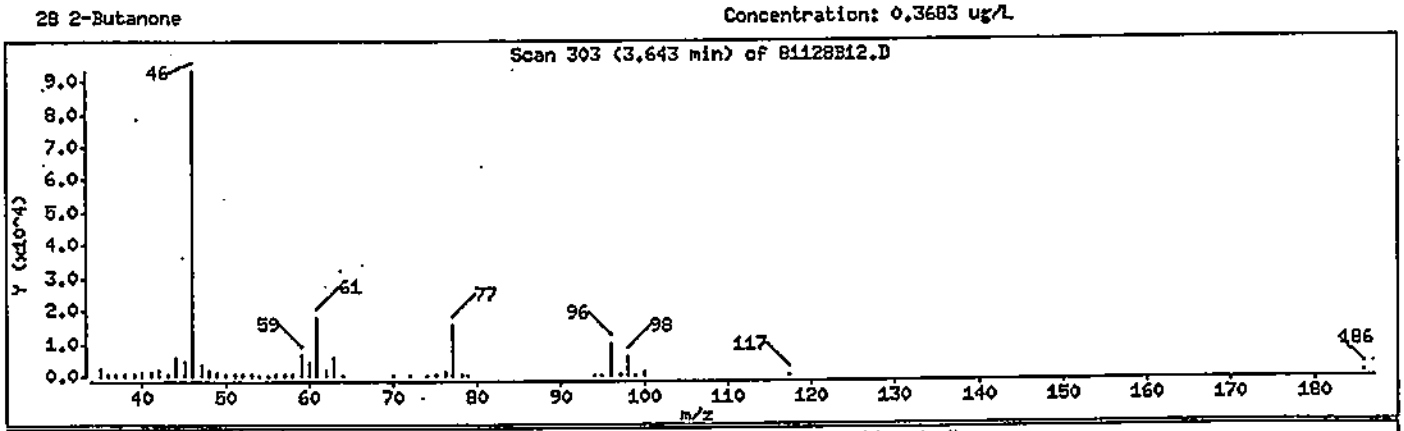
Operator: DLB

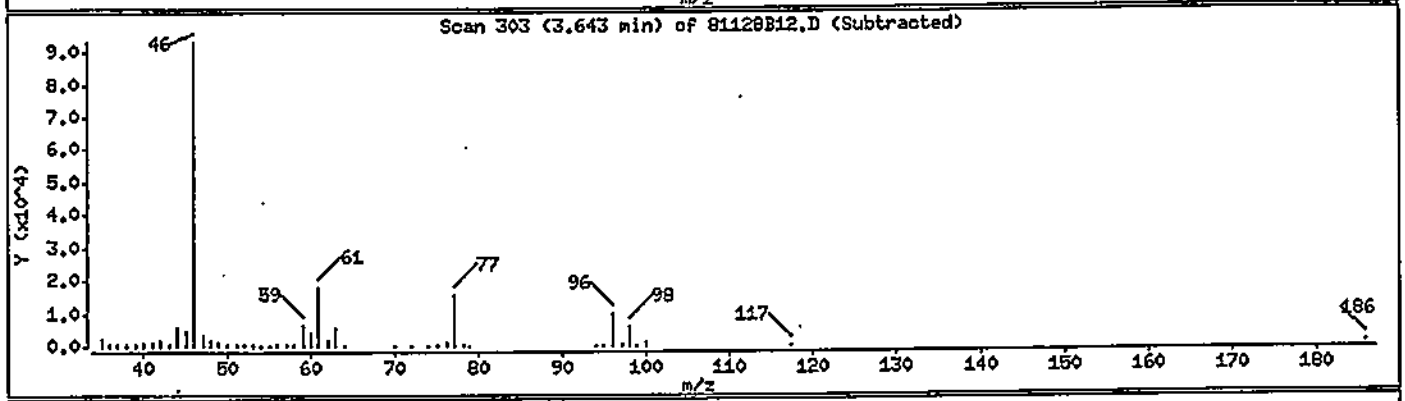
Column phase: DB-624

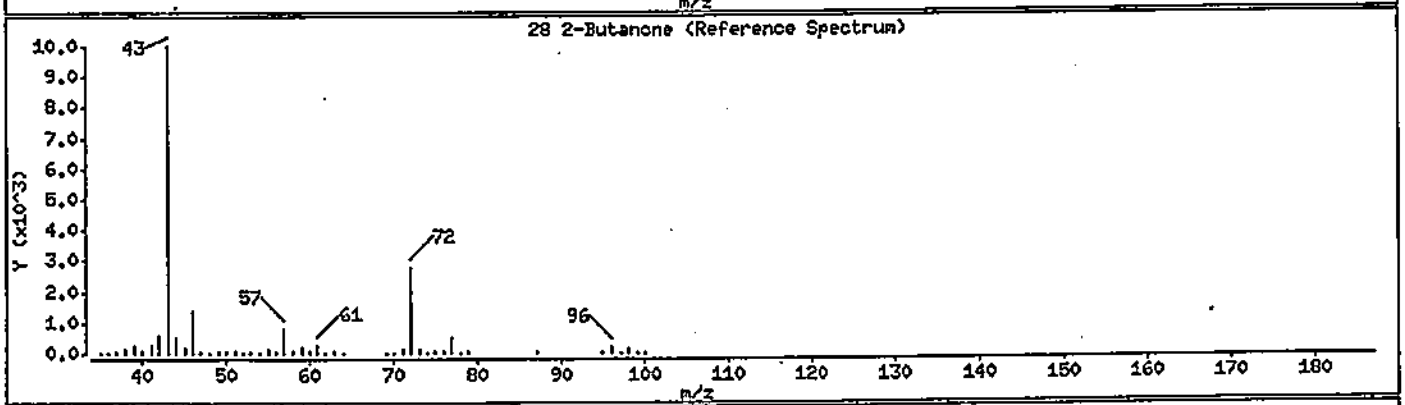
Column diameter: 0.18

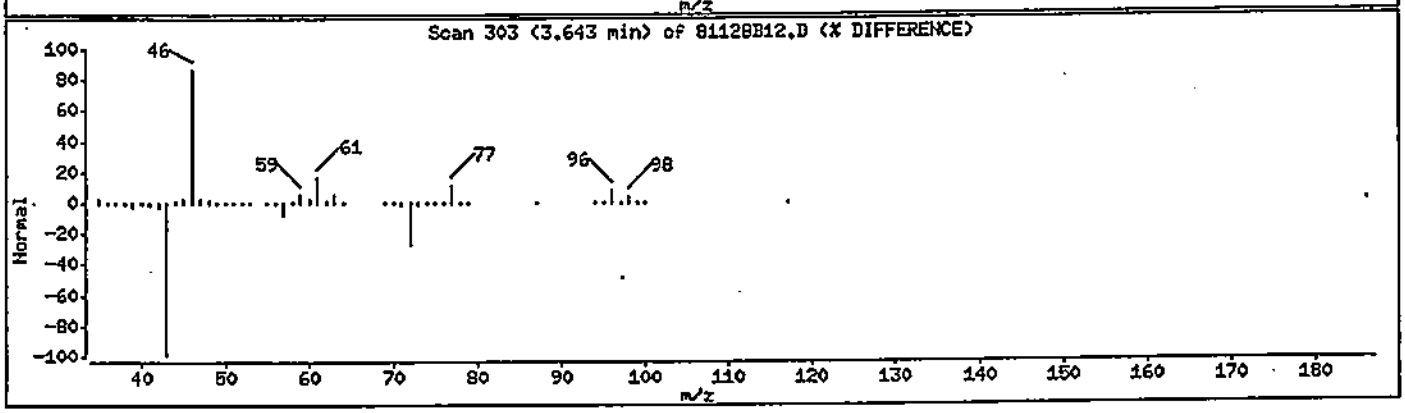
28 2-Butanone

Concentration: 0.3683 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B12.D

Date : 28-NOV-2007 19:30

Client ID: Y3QQ3

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-002

Purge Volume: 25.0

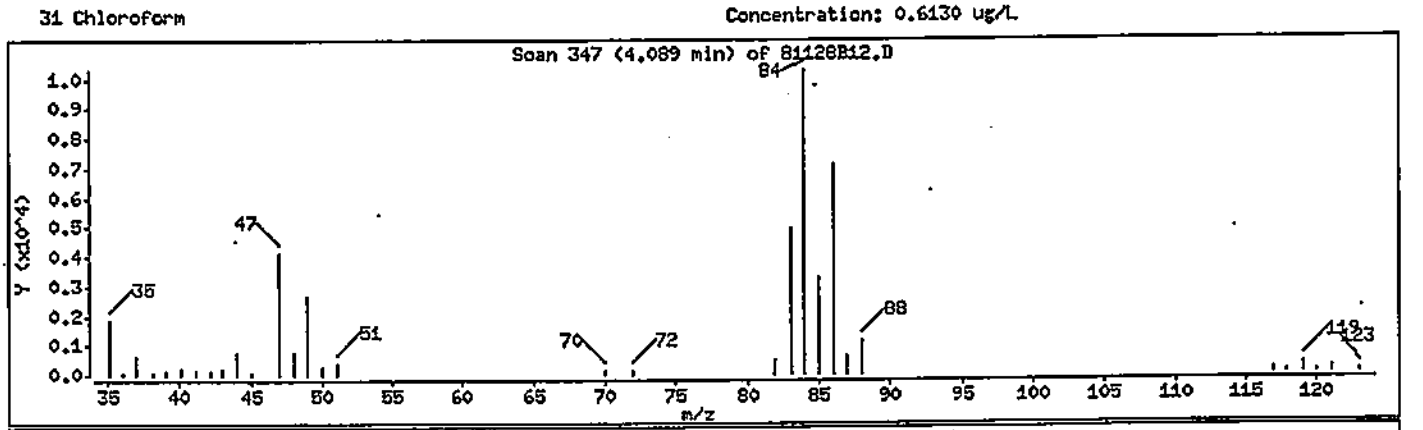
Operator: DLB

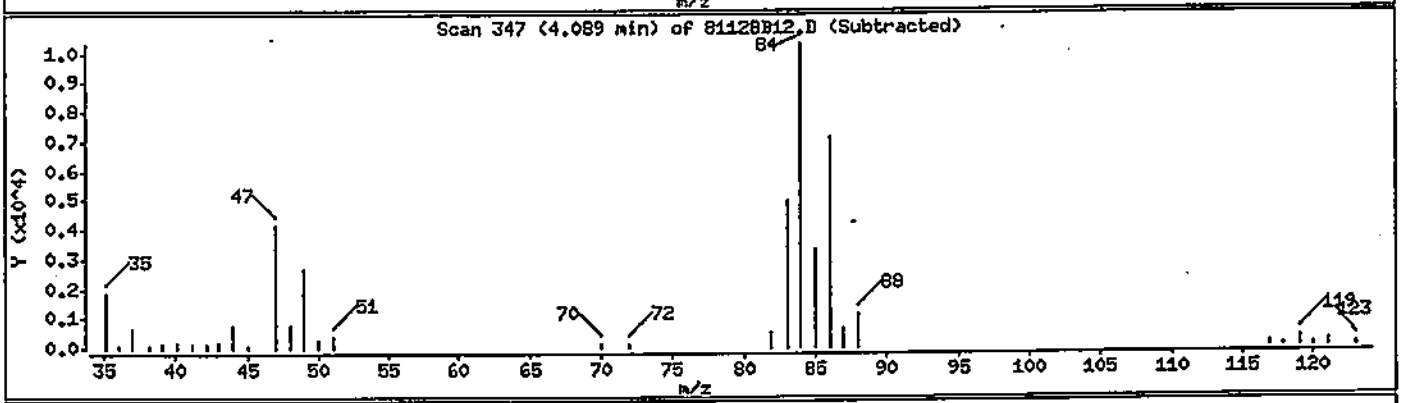
Column phase: DB-624

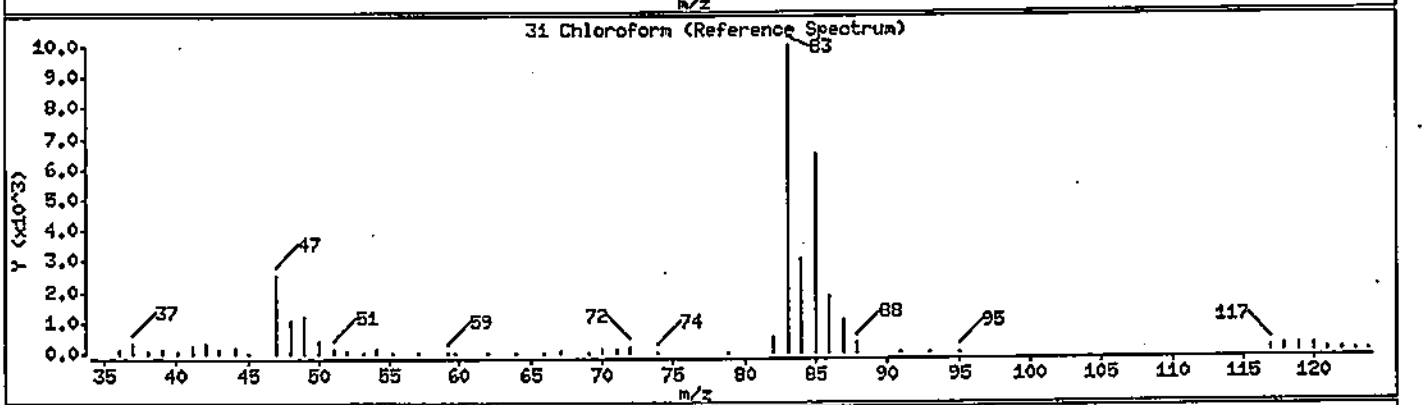
Column diameter: 0.18

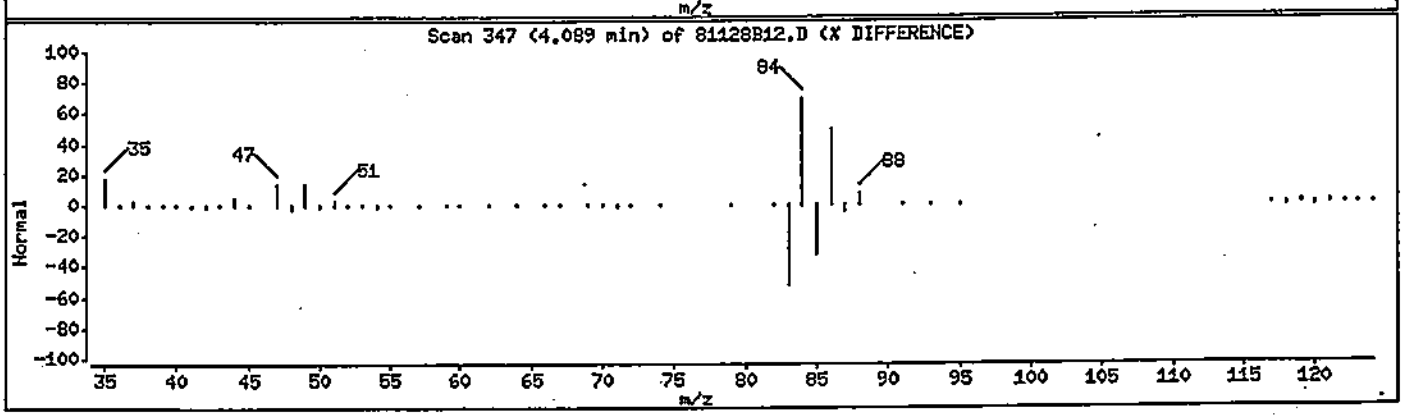
31 Chloroform

Concentration: 0.6130 ug/L









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Date : 28-NOV-2007 19:30

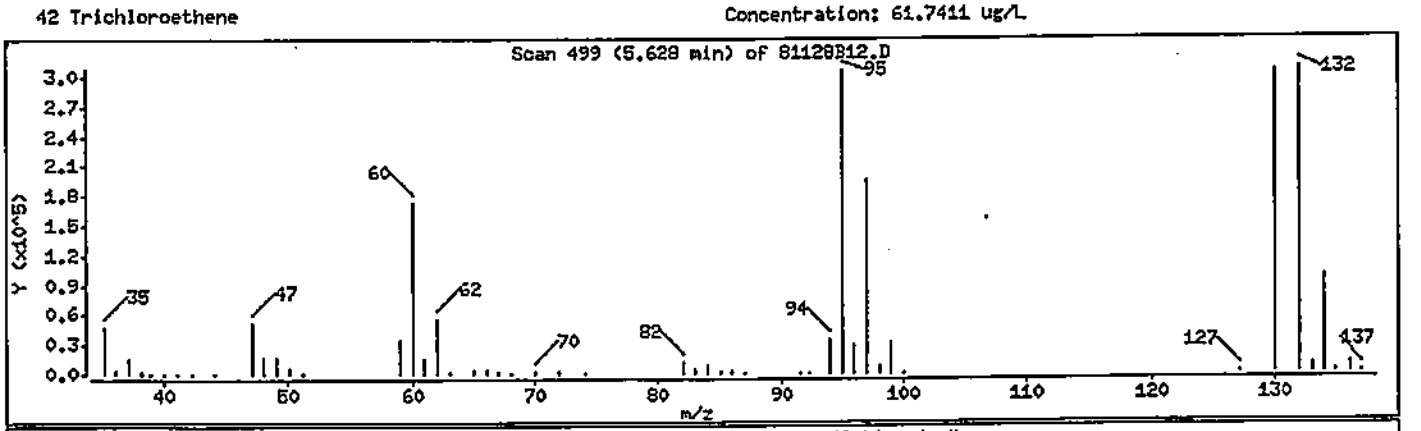
Client ID: Y3QQ3 Instrument: msd8.i

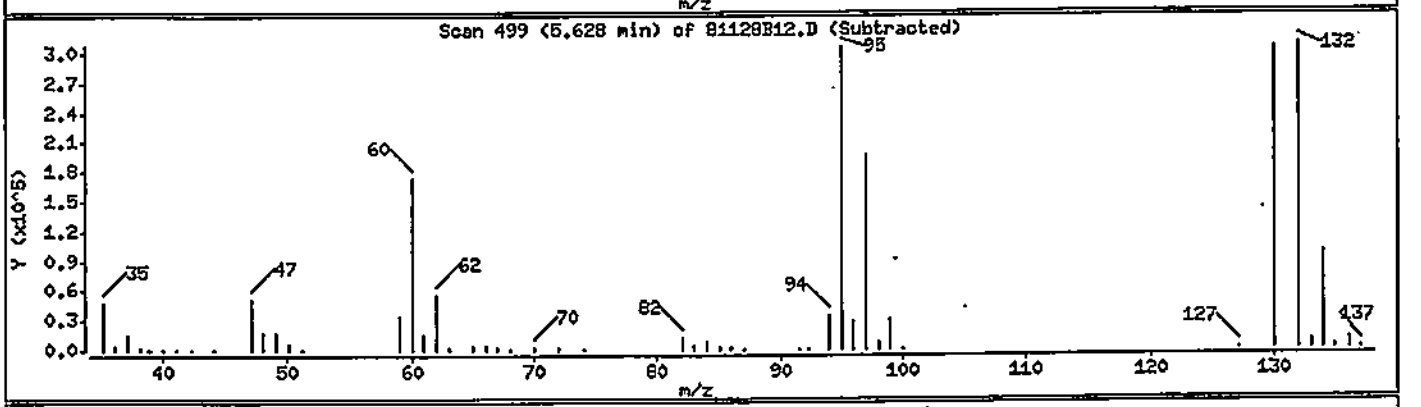
Sample Info: 8nov2807b.b, IK21009-002

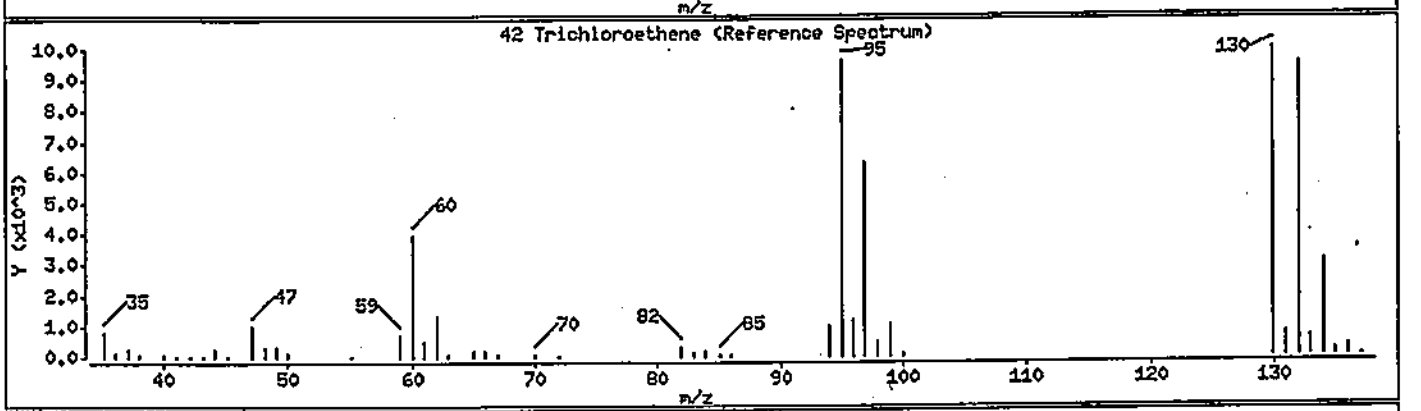
Purge Volume: 25.0 Operator: DLB

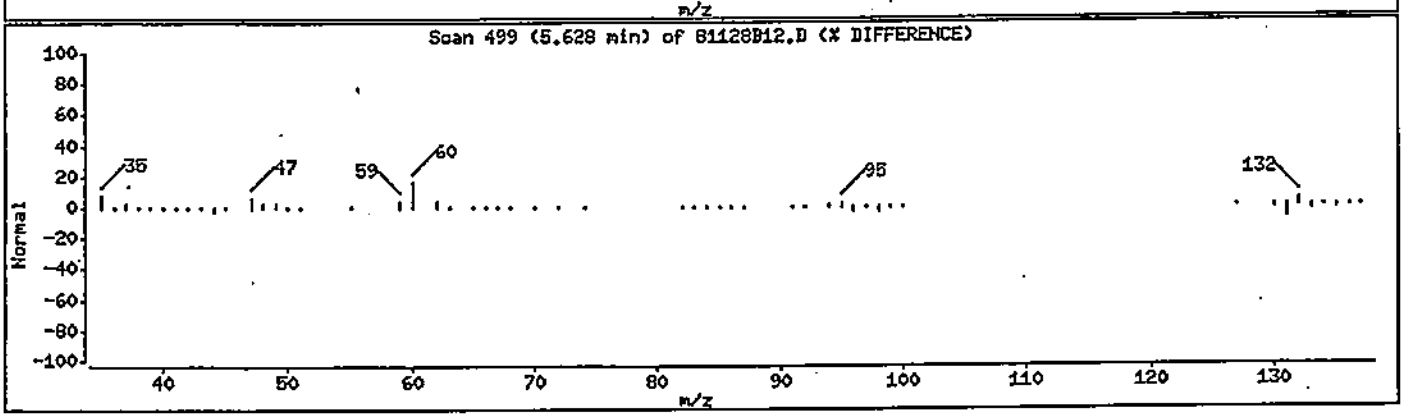
Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 61.7411 ug/L









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Date : 28-NOV-2007 19:30

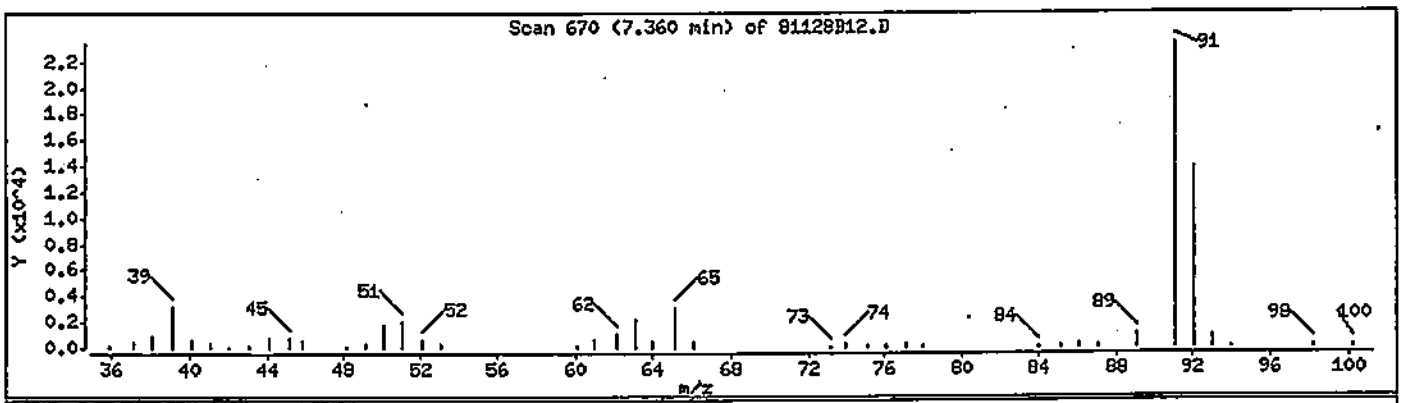
Client ID: Y3QQ3 Instrument: msd8.i

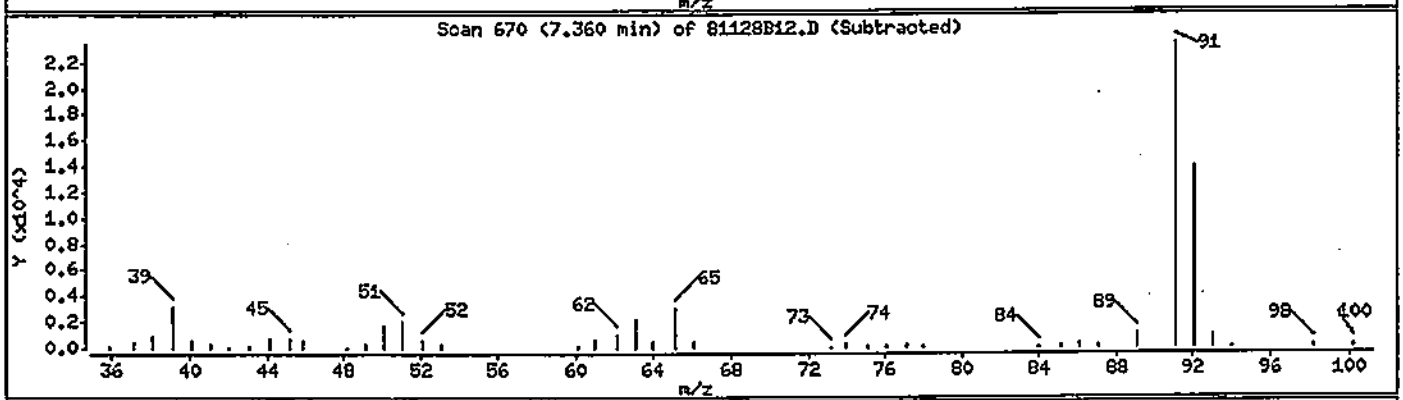
Sample Info: 8nov2807b.b, IK21009-002

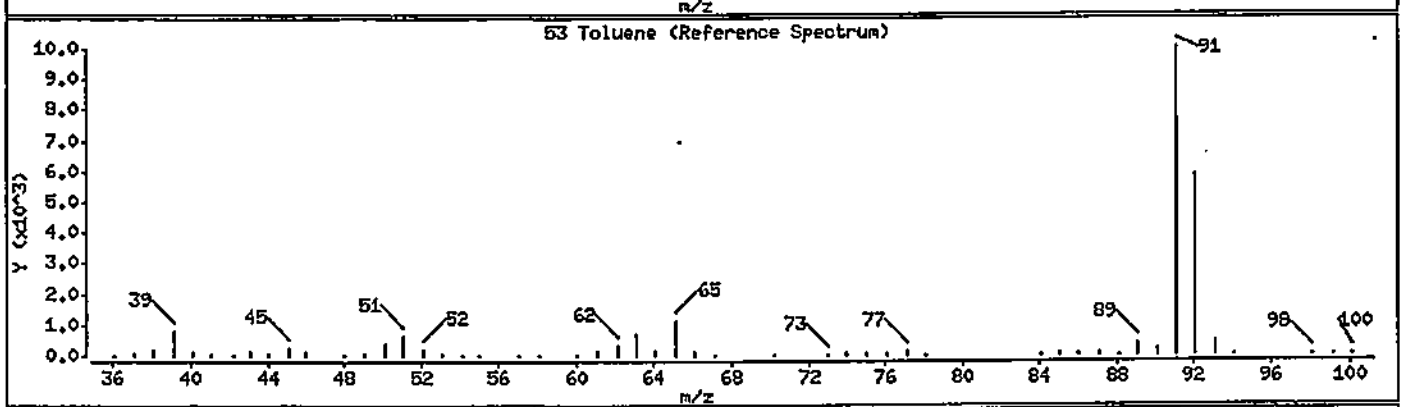
Purge Volume: 25.0 Operator: DLB

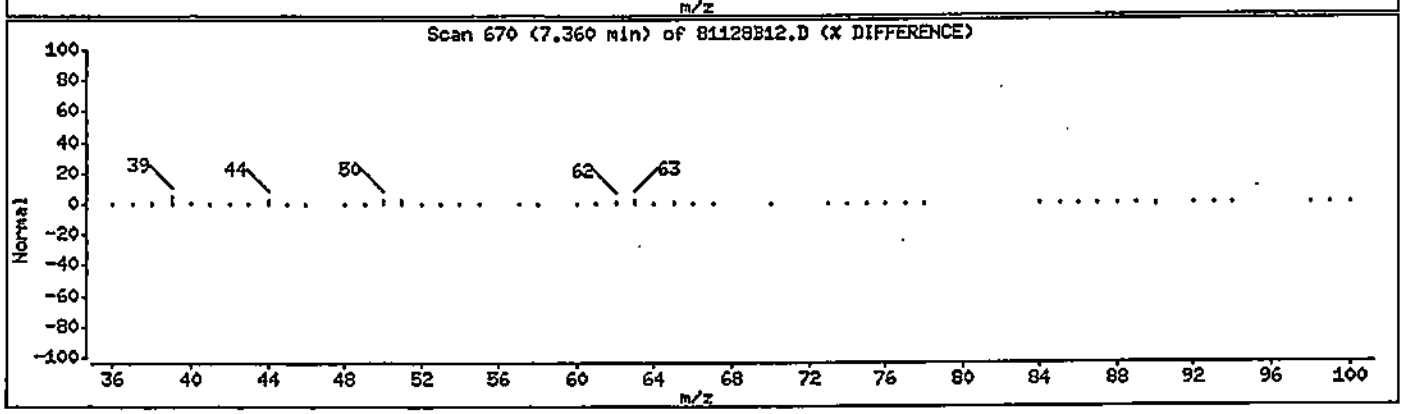
Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 1.2230 ug/L









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Date : 28-NOV-2007 19:30

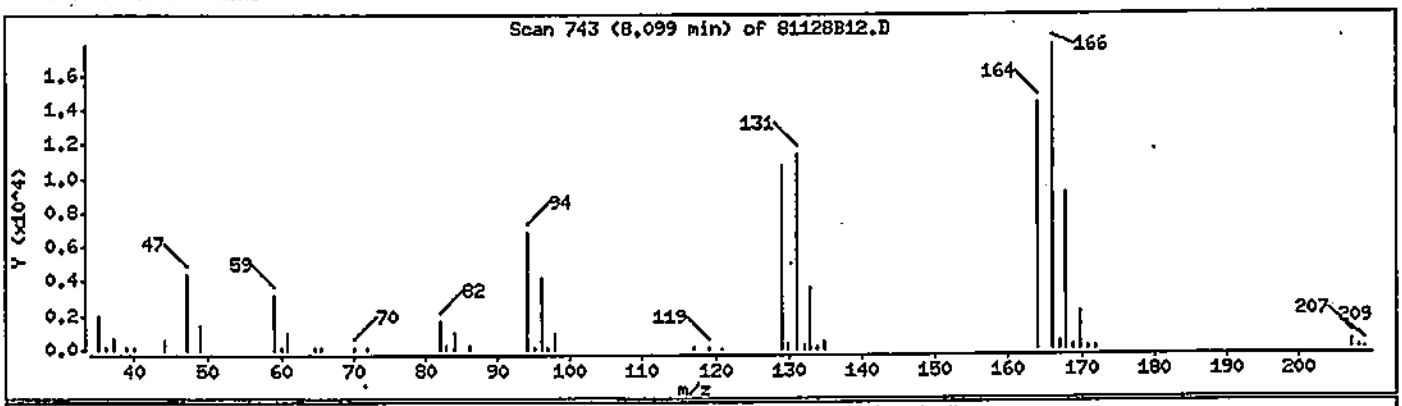
Client ID: Y3QQ3 Instrument: msd8.i

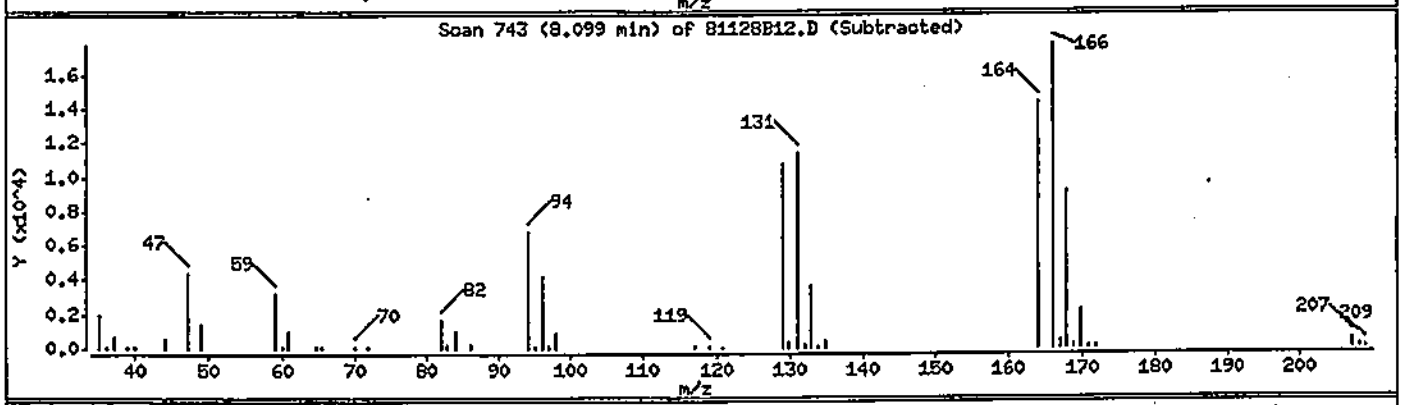
Sample Info: 8nov2807b.b, IK21009-002

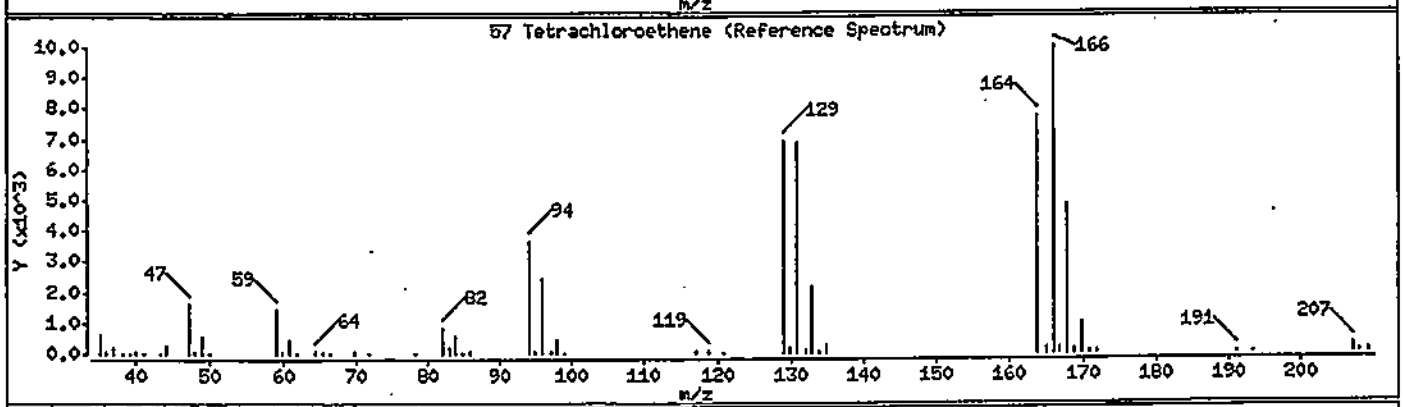
Purge Volume: 25.0 Operator: DLB

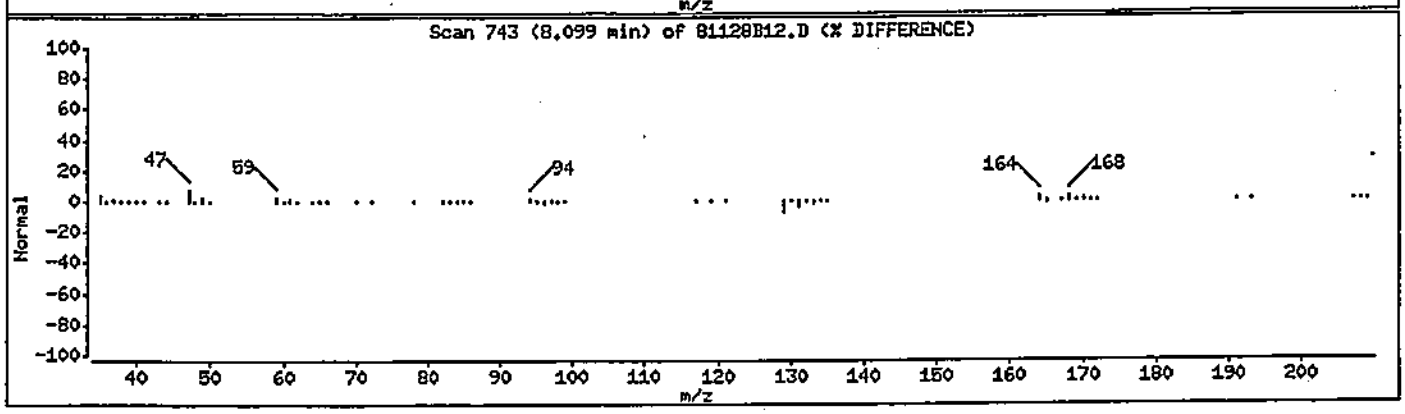
Column phase: DB-624 Column diameter: 0.18

57 Tetrachloroethene Concentration: 3.1564 ug/L









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Date : 28-NOV-2007 19:30

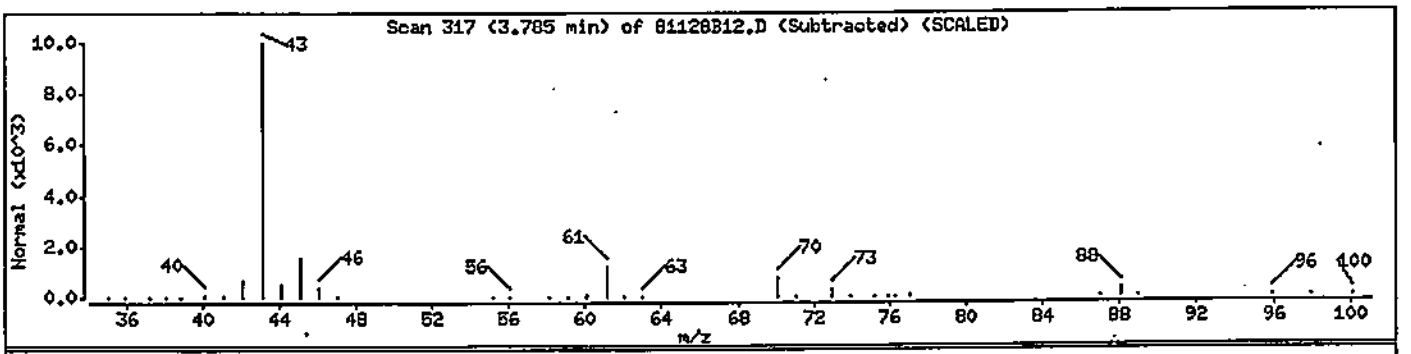
Client ID: Y3QQ3 Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 28-NOV-2007 19:30

Client ID: Y3QQ3

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-002

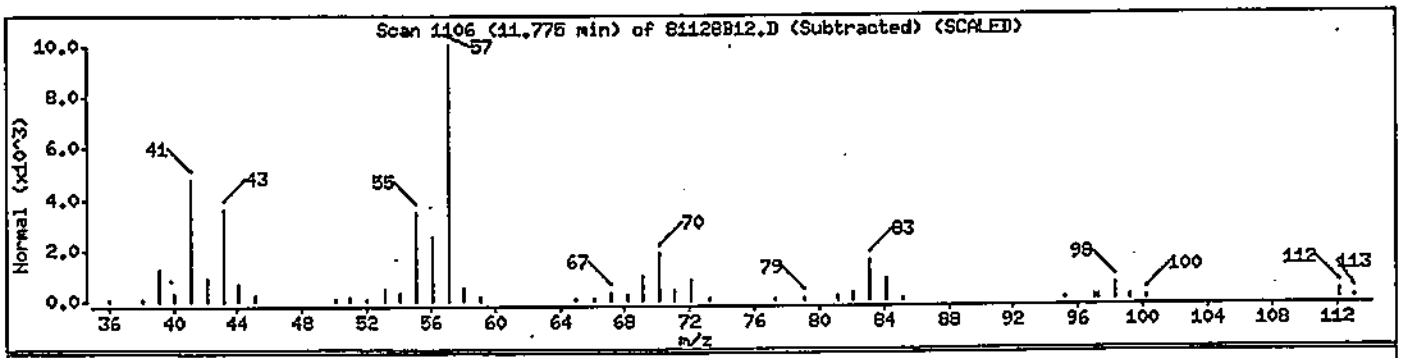
Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3DL

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A07

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	2.5	U
74-87-3	Chloromethane	2.5	U
75-01-4	Vinyl chloride	2.5	U
74-83-9	Bromomethane	2.5	U
75-00-3	Chloroethane	2.5	U
75-69-4	Trichlorofluoromethane	2.5	U
75-35-4	1,1-Dichloroethene	1.5	J DB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	U
67-64-1	Acetone	4.6	J DB
75-15-0	Carbon Disulfide	2.5	U
79-20-9	Methyl acetate	2.5	U
75-09-2	Methylene chloride	1.7	J DB
156-60-5	trans-1,2-Dichloroethene	2.5	U
1634-04-4	Methyl tert-butyl ether	2.5	U
75-34-3	1,1-Dichloroethane	2.5	U
156-59-2	cis-1,2-Dichloroethene	10	D
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	2.5	U
67-66-3	Chloroform	0.79	J DB
71-55-6	1,1,1-Trichloroethane	2.5	U
110-82-7	Cyclohexane	2.5	U
56-23-5	Carbon tetrachloride	2.5	U
71-43-2	Benzene	2.5	U
107-06-2	1,2-Dichloroethane	2.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3DL

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A07

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	53	D
108-87-2	Methylcyclohexane	2.5	U
78-87-5	1,2-Dichloropropane	2.5	U
75-27-4	Bromodichloromethane	2.5	U
10061-01-5	cis-1,3-Dichloropropene	2.5	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	0.89	J D
10061-02-6	trans-1,3-Dichloropropene	2.5	U
79-00-5	1,1,2-Trichloroethane	2.5	U
127-18-4	Tetrachloroethene	2.6	D
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	2.5	U
106-93-4	1,2-Dibromoethane	2.5	U
108-90-7	Chlorobenzene	2.5	U
100-41-4	Ethylbenzene	2.5	U
95-47-6	o-Xylene	2.5	U
179601-23-1	m,p-Xylene	2.5	U
100-42-5	Styrene	2.5	U
75-25-2	Bromoform	2.5	U
98-82-8	Isopropylbenzene	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U
541-73-1	1,3-Dichlorobenzene	2.5	U
106-46-7	1,4-Dichlorobenzene	2.5	U
95-50-1	1,2-Dichlorobenzene	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	U
120-82-1	1,2,4-Trichlorobenzene	2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ3DL

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A07

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	25	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
Y3QQ3DL

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A07

Level: (TRACE or LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	3.785	2.7	J D
02					
03					
04					
05					
06					
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23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A07.D
Lab Smp Id: IK21009-002 Client Smp ID: Y3QQ3DL
Inj Date : 29-NOV-2007 13:34
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-002, 5X
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 5
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
$ 3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	27767	6.63231	6.6323(R)
4 Vinyl Chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
$ 6 Chloroethane-d5	69	1.466	1.465	(0.276)	28631	6.19933	6.1993
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	103530	4.15697	4.1569
13 1,1-Dichloroethene	96	1.972	1.982	(0.371)	3107	0.30660	1.5329(aQ)
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14 Acetone	43	2.022	2.012	(0.381)	4176	0.92510	4.6255(a)
15 Carbon Disulfide	76	Compound Not Detected.					
16 Methyl Acetate	43	Compound Not Detected.					
17 Methylene Chloride	84	2.346	2.346	(0.442)	4208	0.33019	1.6509(a)
20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
23 1,1-Dichloroethane	63	Compound Not Detected.					
$ 25 2-Butanone-d5	46	3.633	3.632	(0.684)	353658	47.9701	47.9701
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	24621	2.07591	10.3795
28 2-Butanone	43	Compound Not Detected.					
29 Bromochloromethane	128	Compound Not Detected.					
$ 30 Chloroform-d	84	4.058	4.058	(0.764)	105768	4.70659	4.7065(Q)
31 Chloroform	83	4.088	4.088	(0.769)	3272	0.15797	0.7898(aQ)
33 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	67287	4.54915	4.5491
$	36 Benzene-d6	84	4.716	4.716	(0.510)	202480	4.89975	4.8997
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	203858	5.00000	
	42 Trichloroethene	95	5.627	5.627	(0.608)	127531	10.5667	52.8335
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	61536	4.44458	4.4445
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.124	6.113	(1.152)	10795	223.637	223.6365(Q)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	114124	4.54259	4.5425
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.278	(0.787)	182151	4.79268	4.7926
	53 Toluene	91	7.359	7.359	(0.795)	8047	0.17862	0.8931(a)
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	5368	0.52153	2.6076
$	58 2-Hexanone-d5	63	8.280	8.280	(0.895)	233733	48.4824	48.4823
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	193877	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	53298	4.55641	4.5564
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	117139	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	87850	4.72583	4.7258
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A07.D
Lab Smp Id: IK21009-002 Client Smp ID: Y3QQ3DL
Inj Date : 29-NOV-2007 13:34
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-002, 5X
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 5
Dil Factor: 5.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

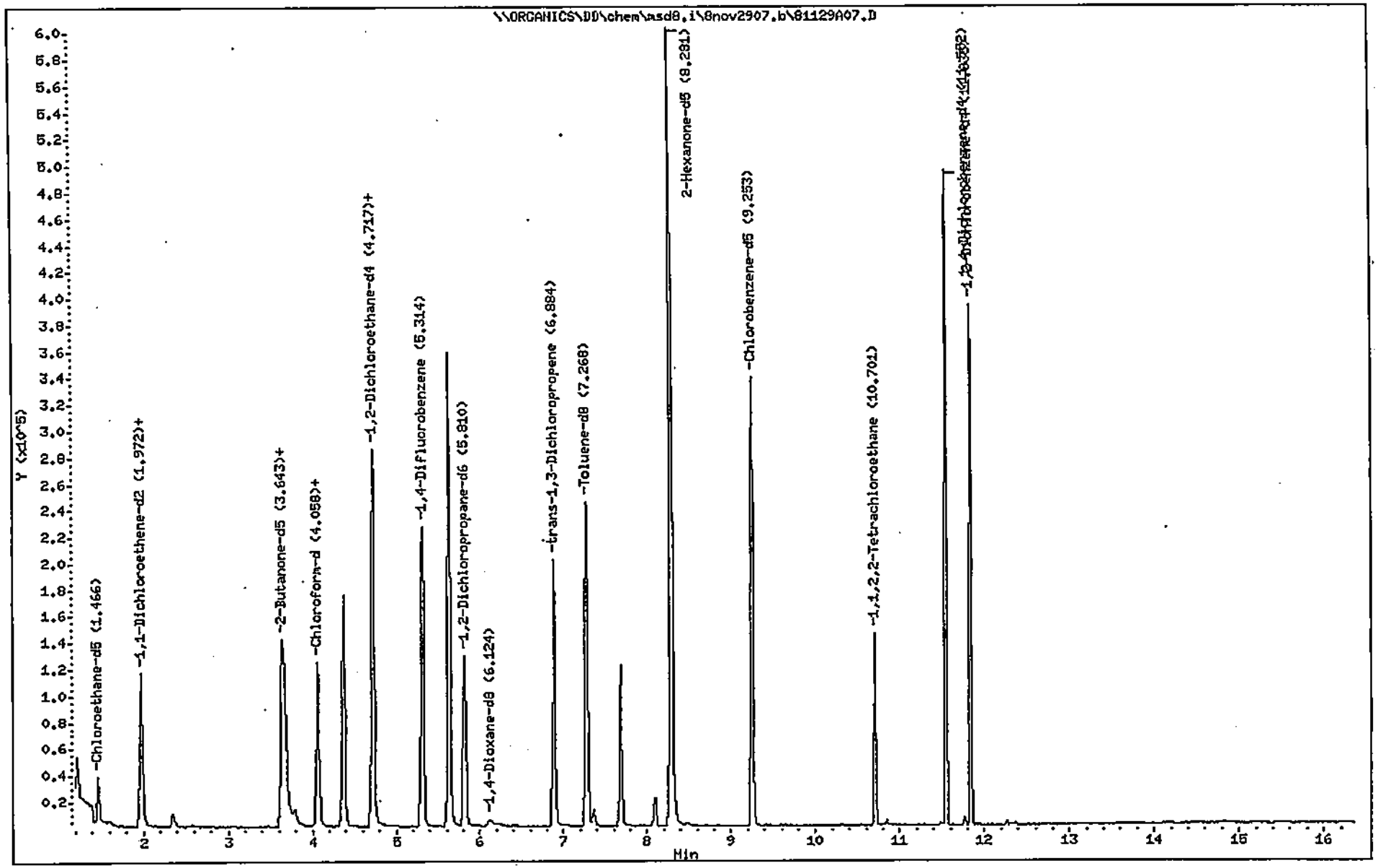
ISTD	RT	AREA	AMOUNT
* 41 1,4-Difluorobenzene	5.314	489832	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.785	53544	0.54655755	2.7327	0		0	41

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A07.D
Date : 29-NOV-2007 13:34
Client ID: Y3QQ3DL
Sample Info: 8nov2907.b, IK21009-002, 5X
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

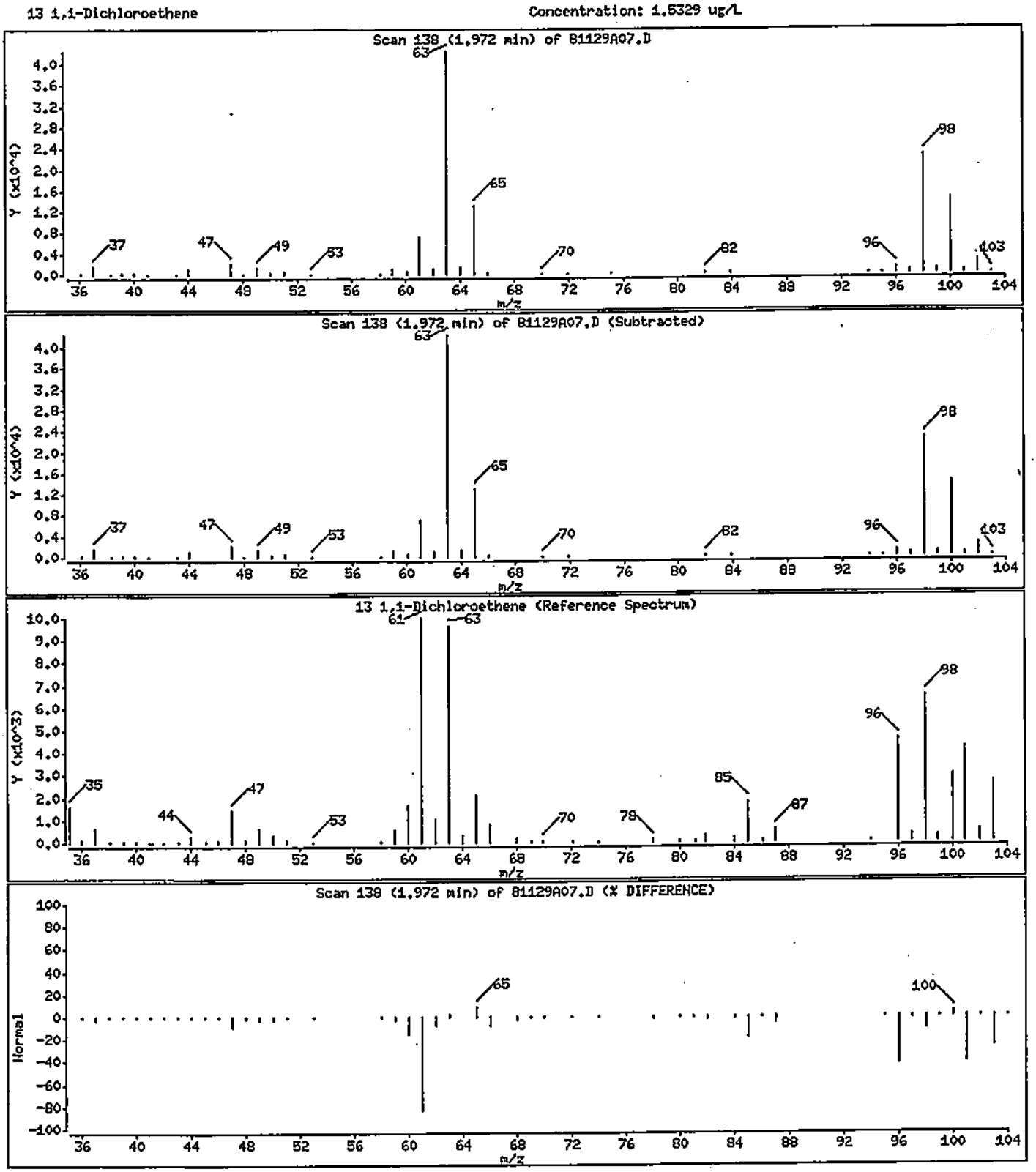
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 1.5329 ug/L



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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

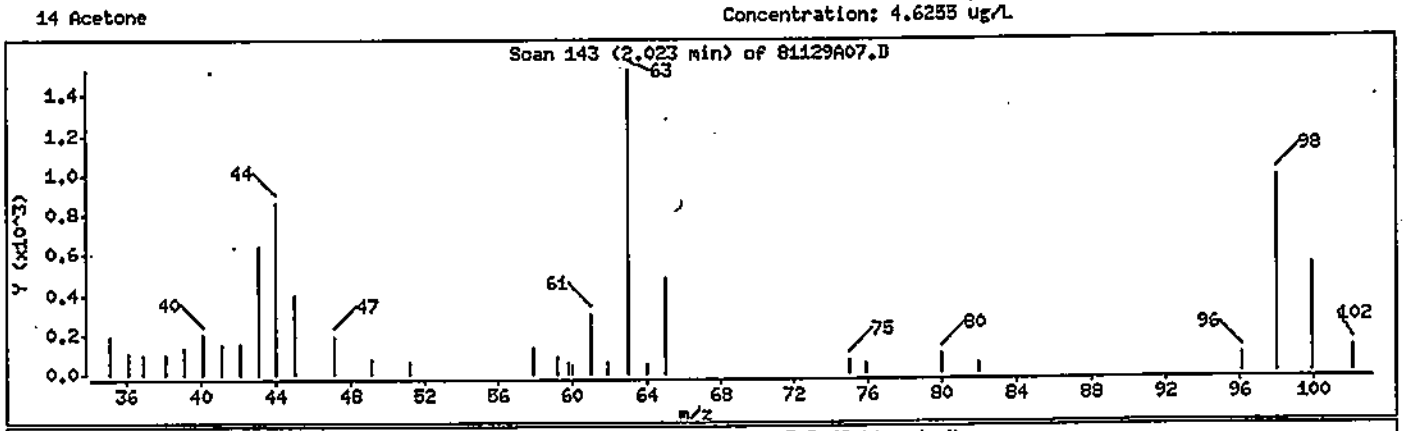
Operator: DLB

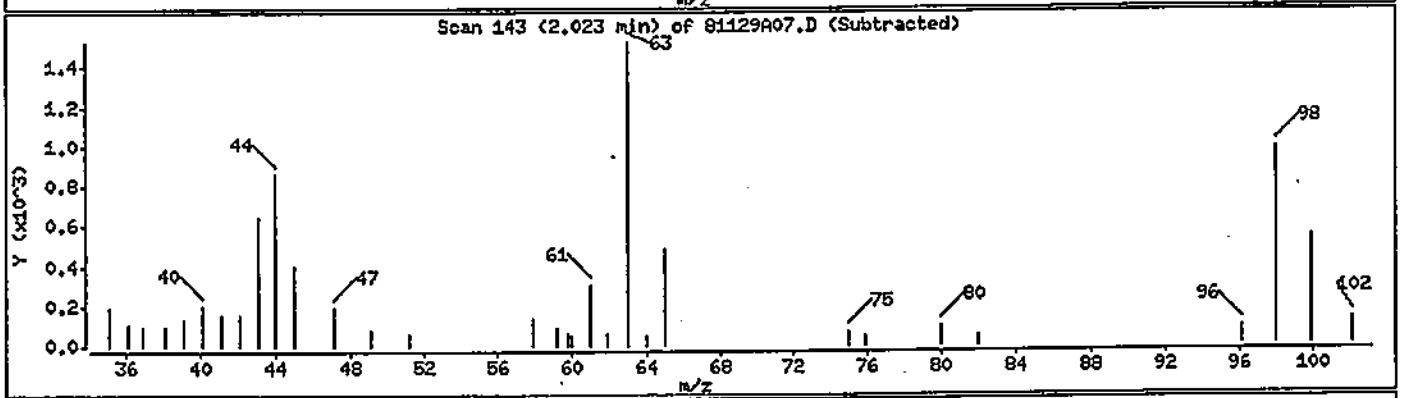
Column phase: DB-624

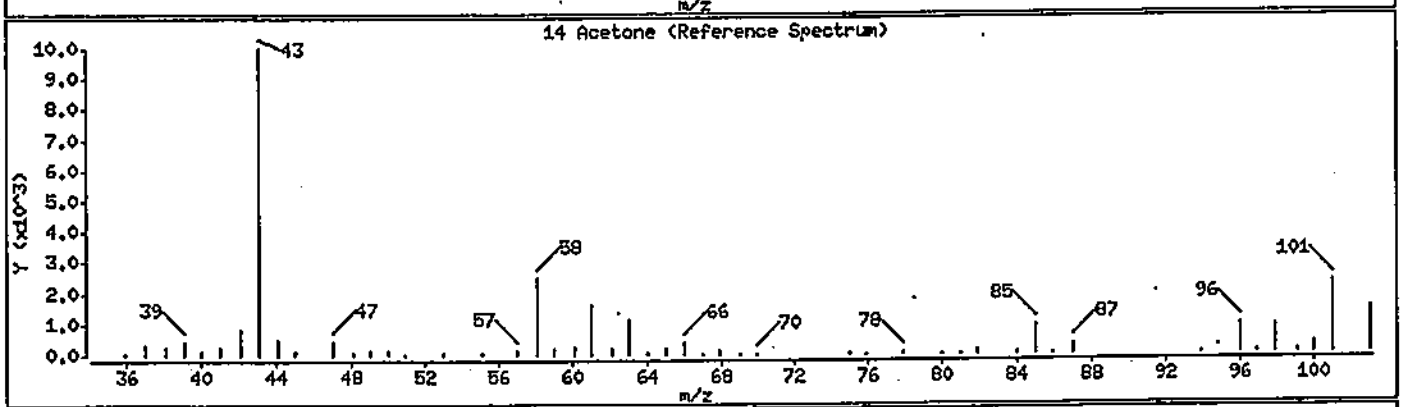
Column diameter: 0.18

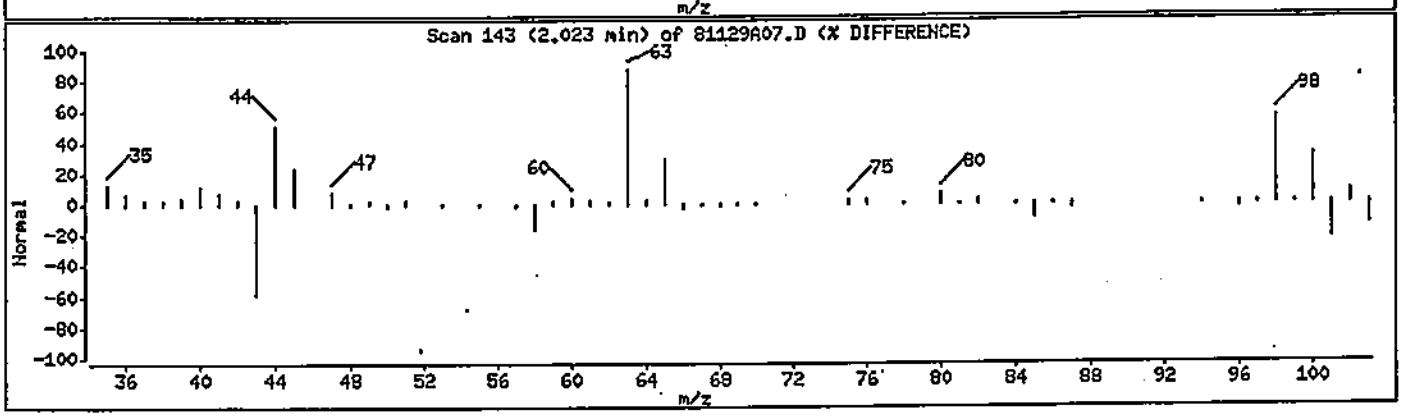
14 Acetone

Concentration: 4.6255 ug/L









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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

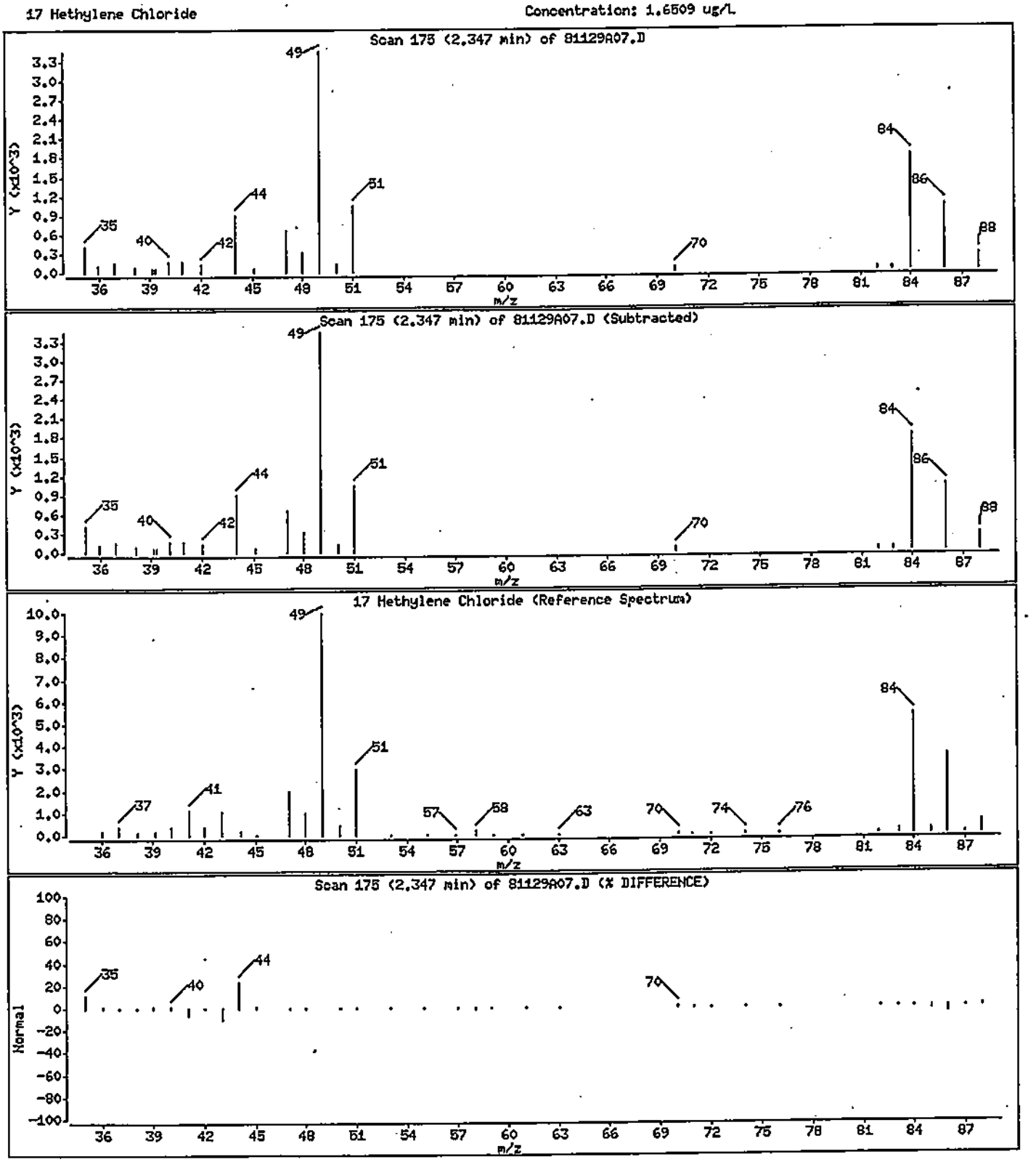
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 1.6509 ug/L



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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

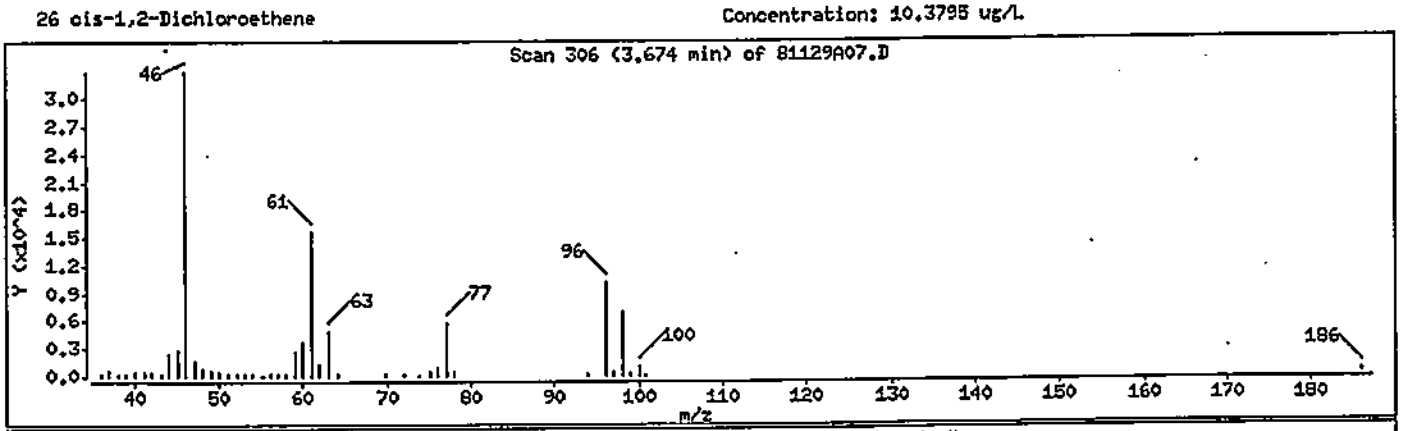
Operator: DLB

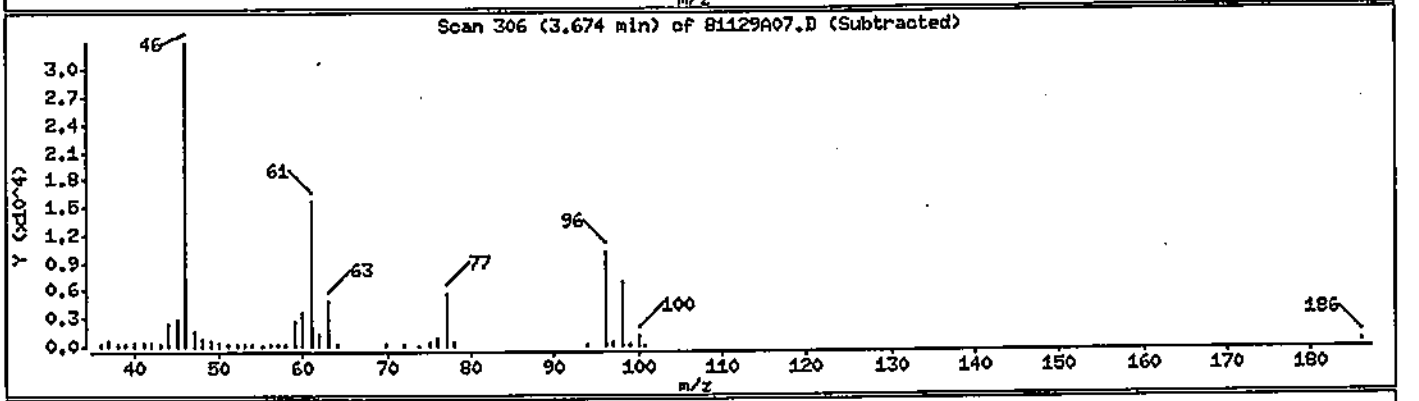
Column phase: DB-624

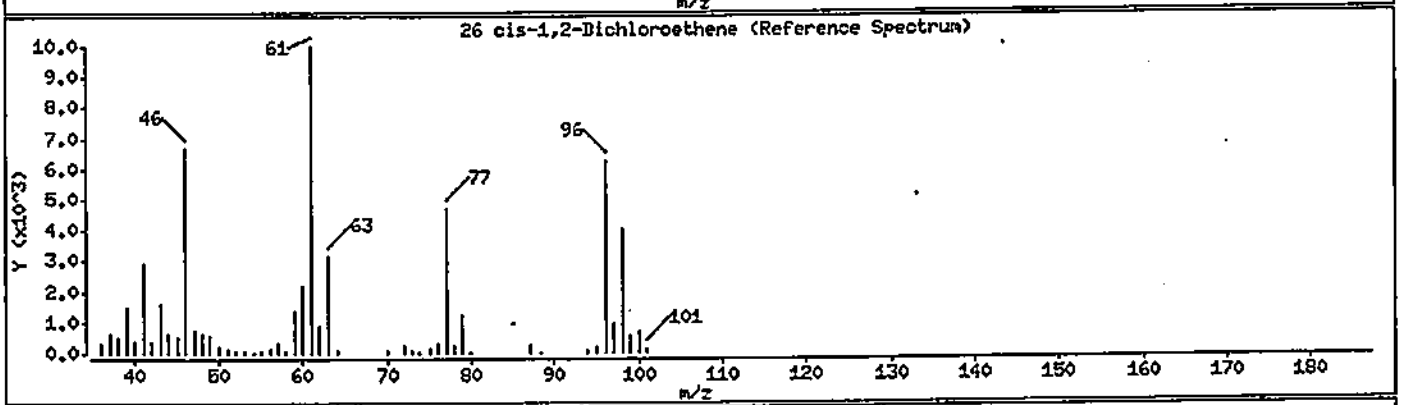
Column diameter: 0.18

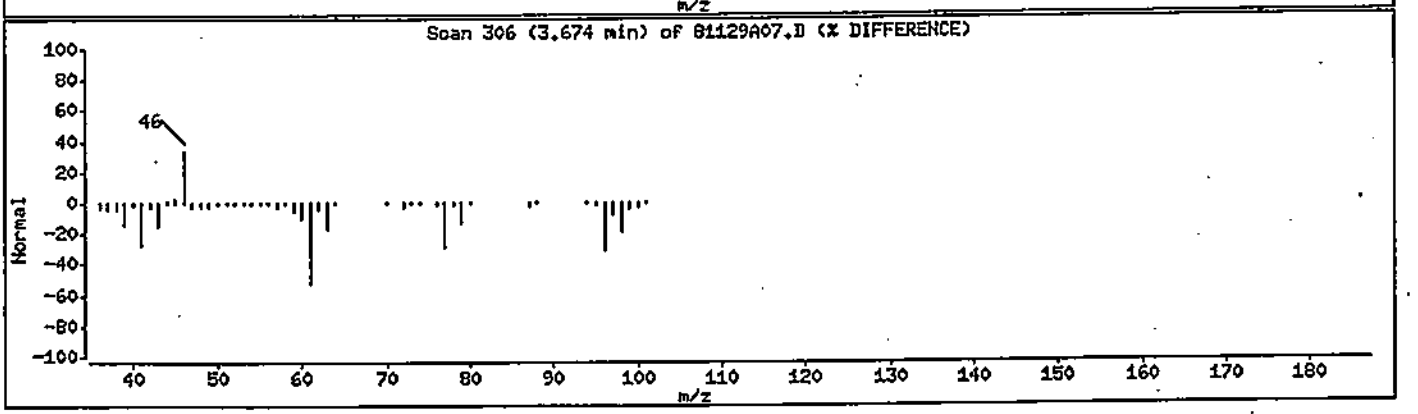
26 cis-1,2-Dichloroethene

Concentration: 10.3795 ug/L









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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

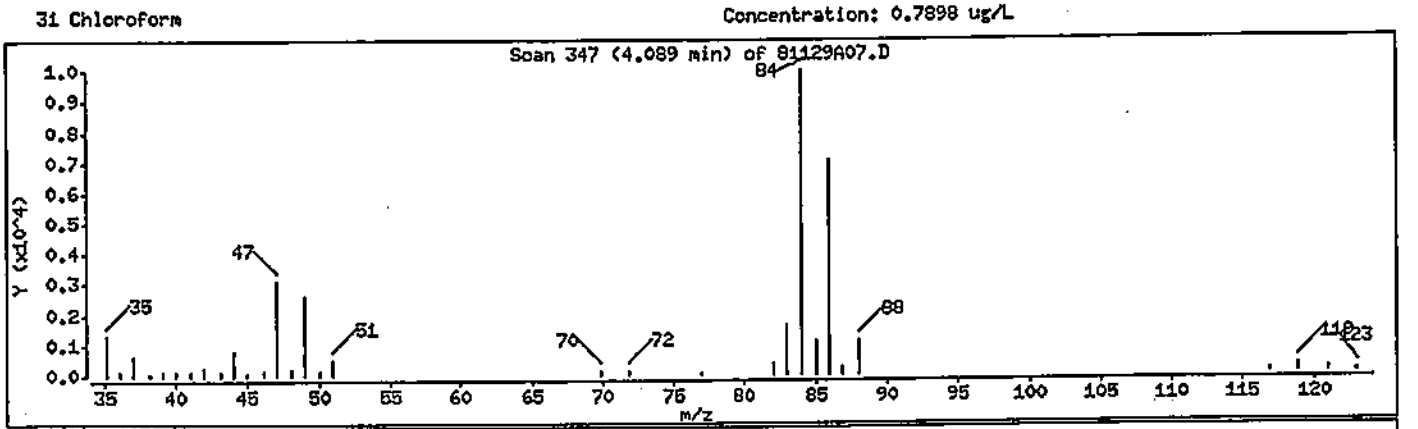
Operator: DLB

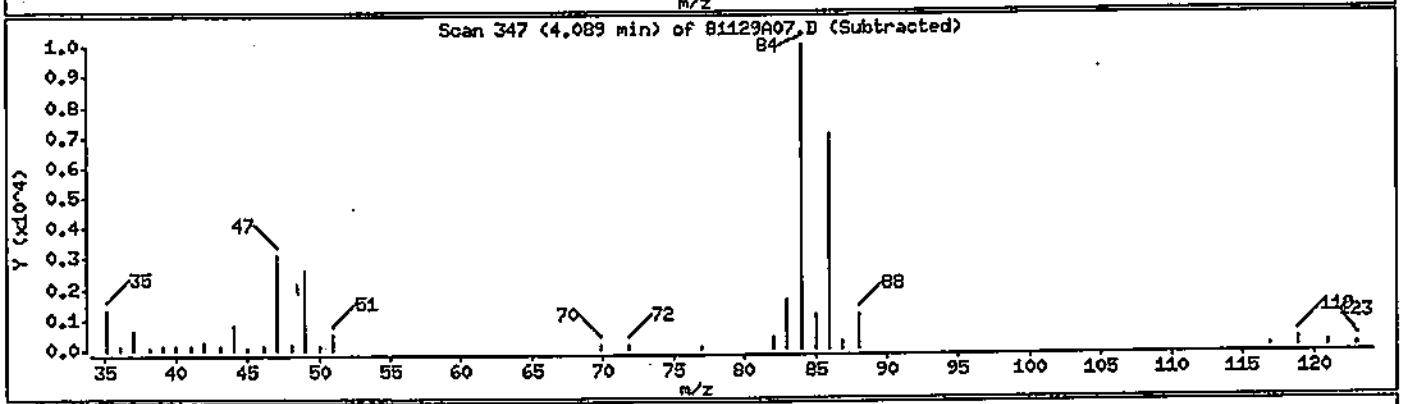
Column phase: DB-624

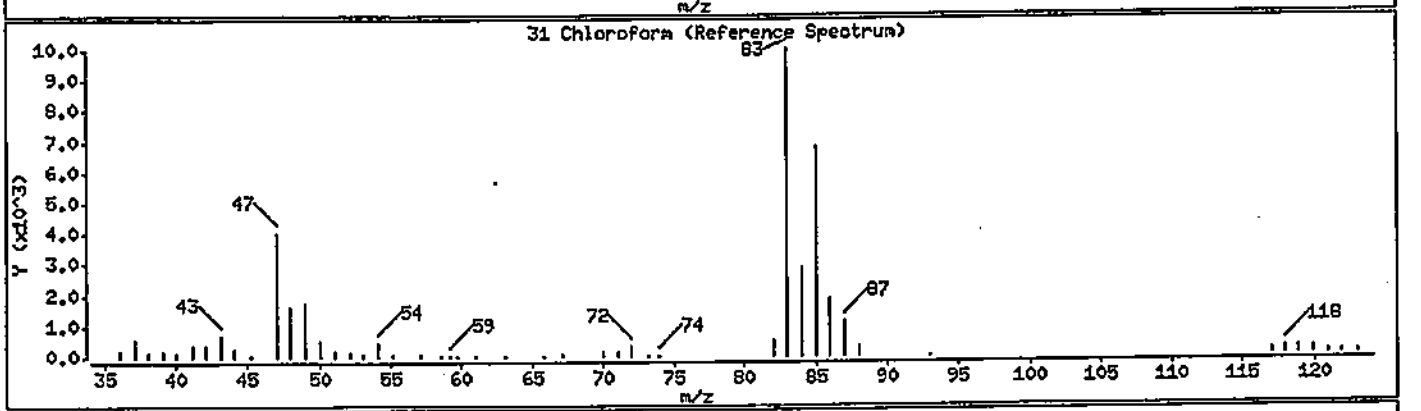
Column diameter: 0.18

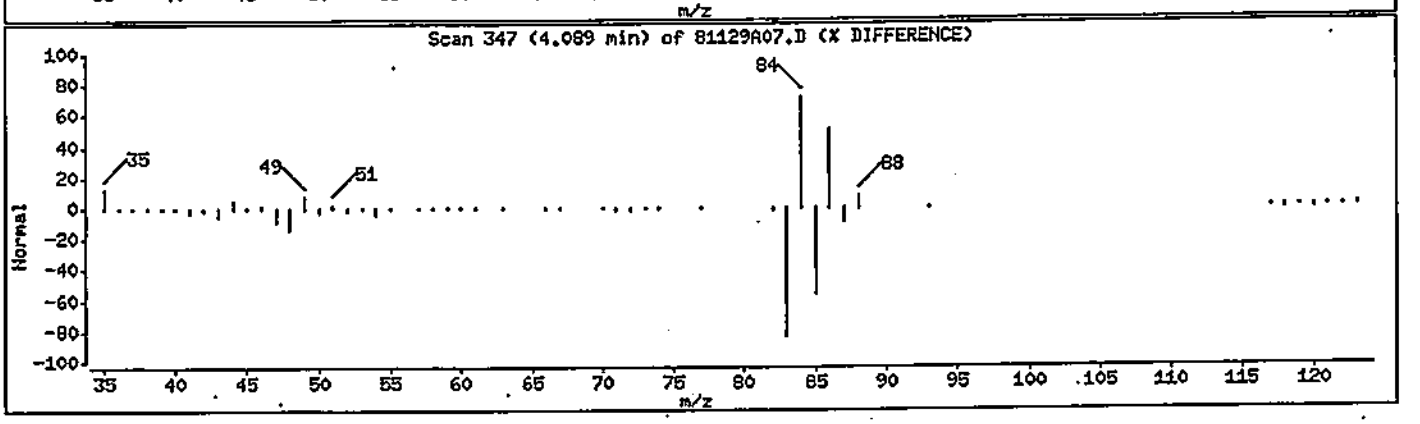
31 Chloroform

Concentration: 0.7898 ug/L









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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

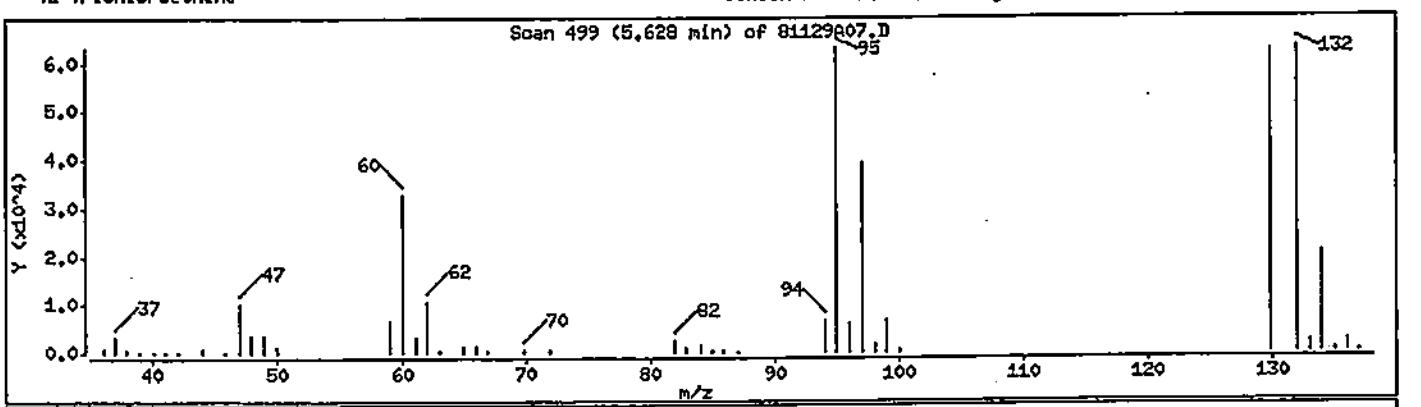
Operator: DLB

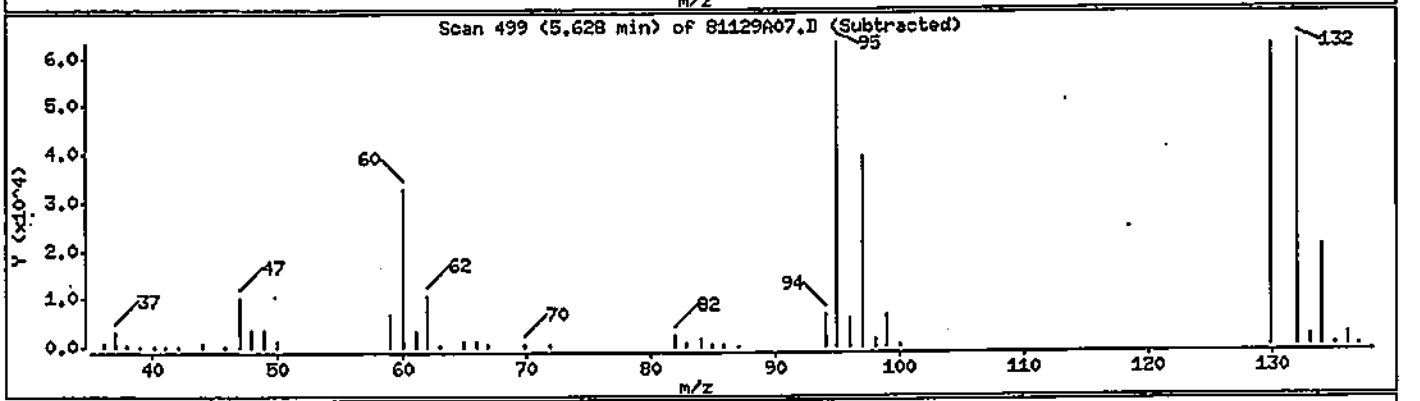
Column phase: DB-624

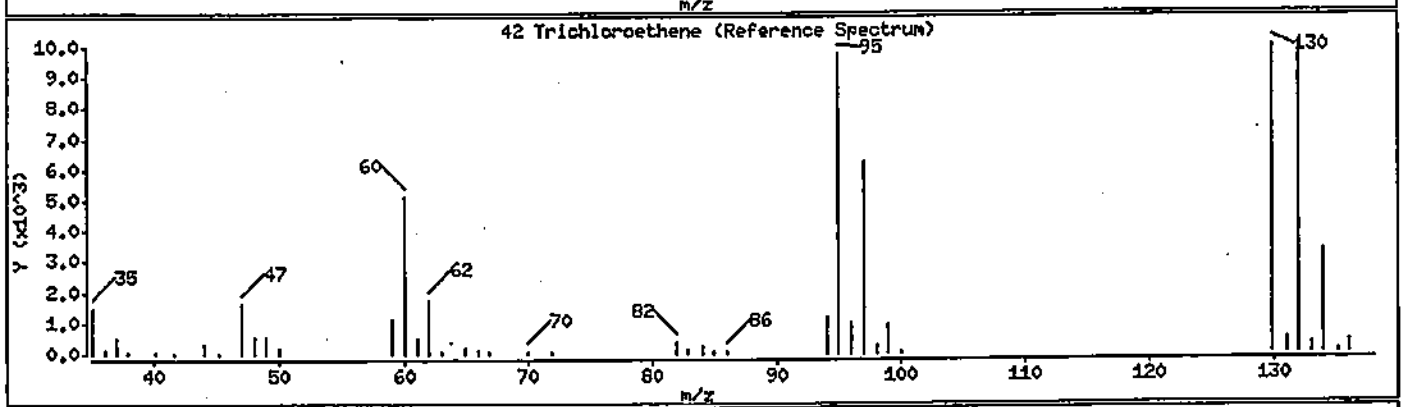
Column diameter: 0.18

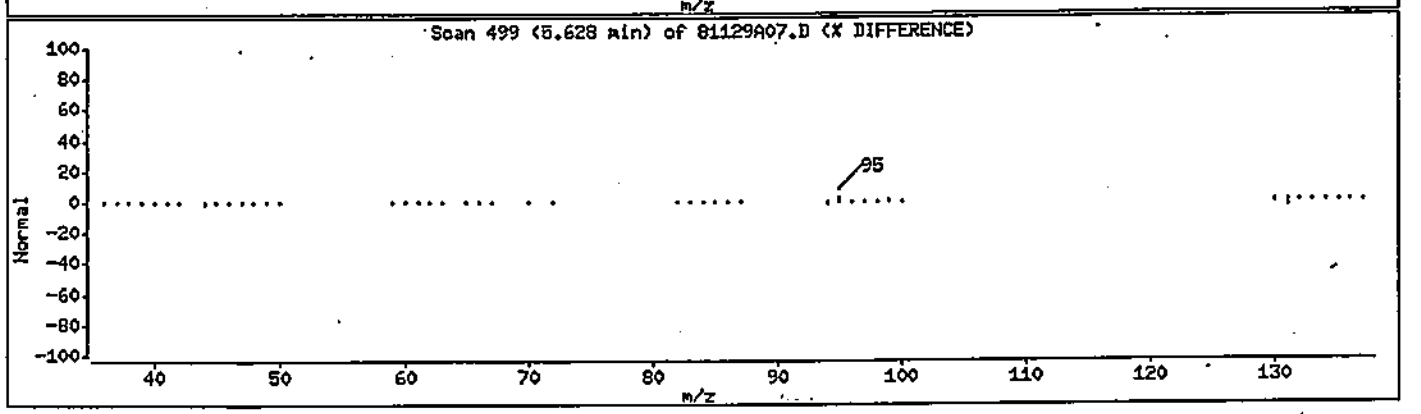
42 Trichloroethene

Concentration: 52.8335 ug/L









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Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

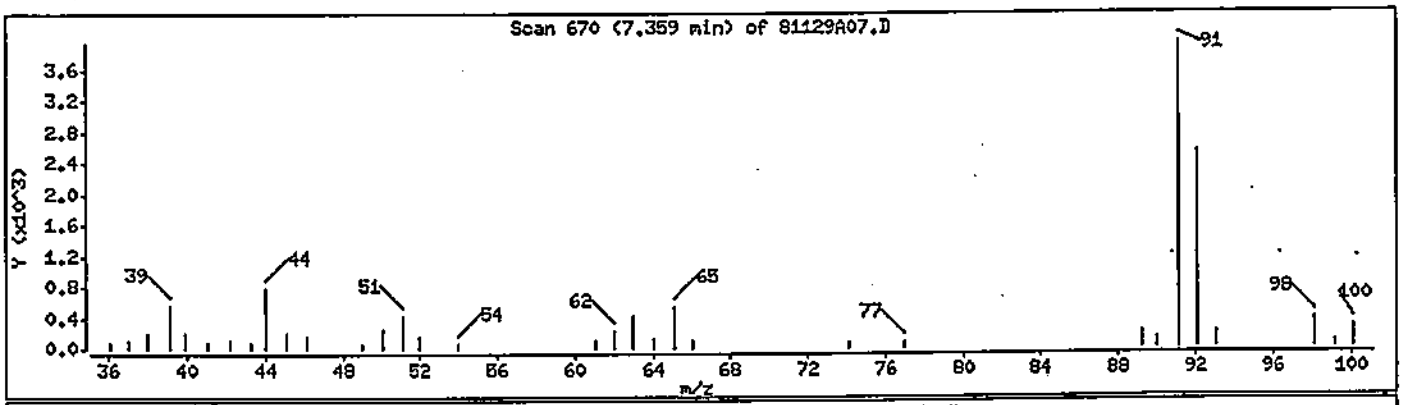
Operator: DLB

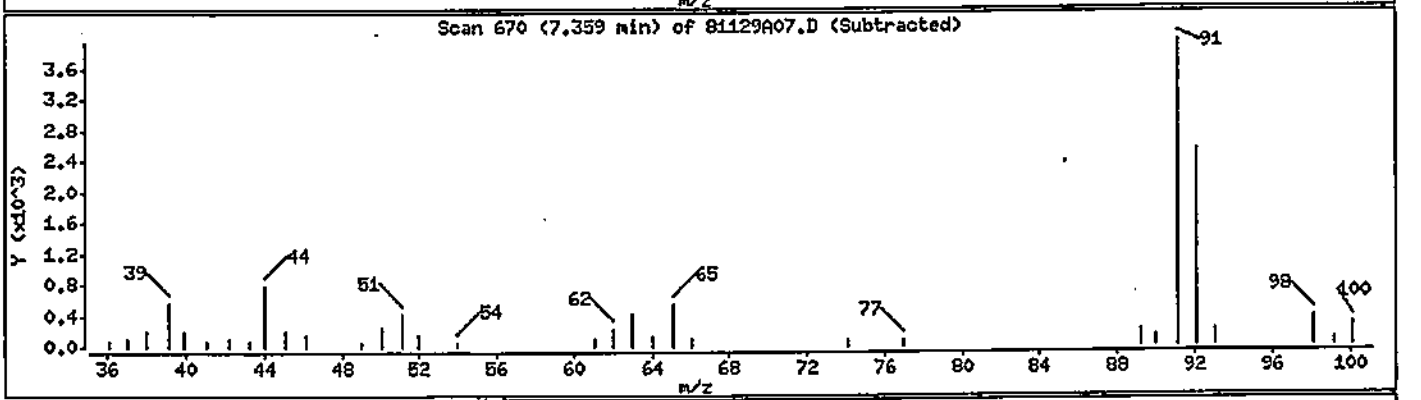
Column phase: DB-624

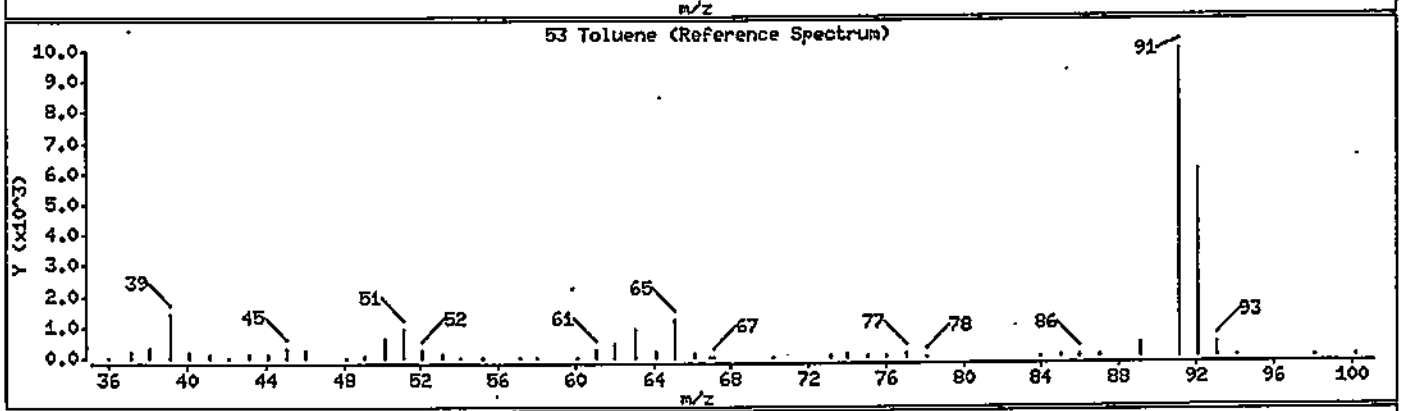
Column diameter: 0.18

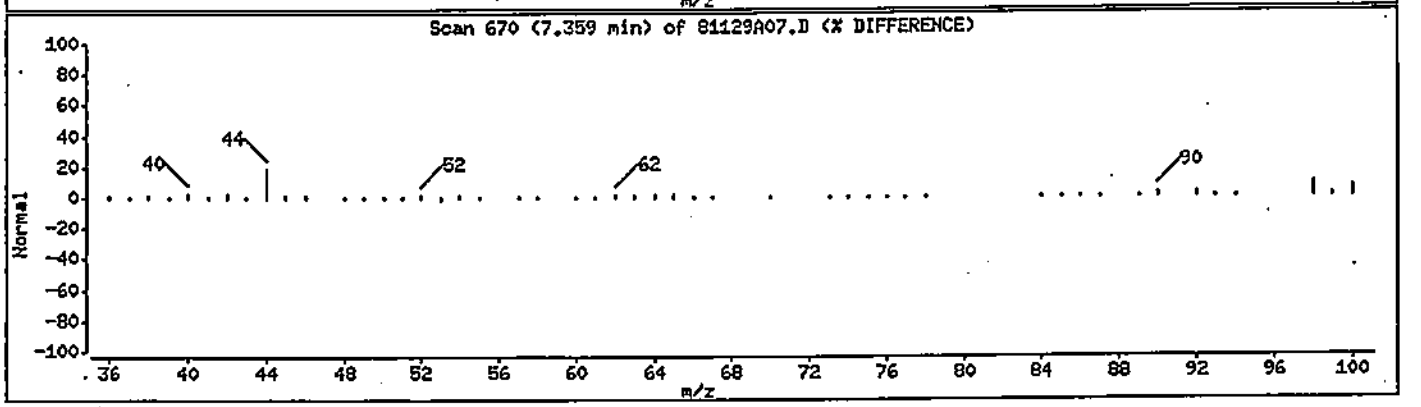
53 Toluene

Concentration: 0.8931 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A07.D

Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

Purge Volume: 25.0

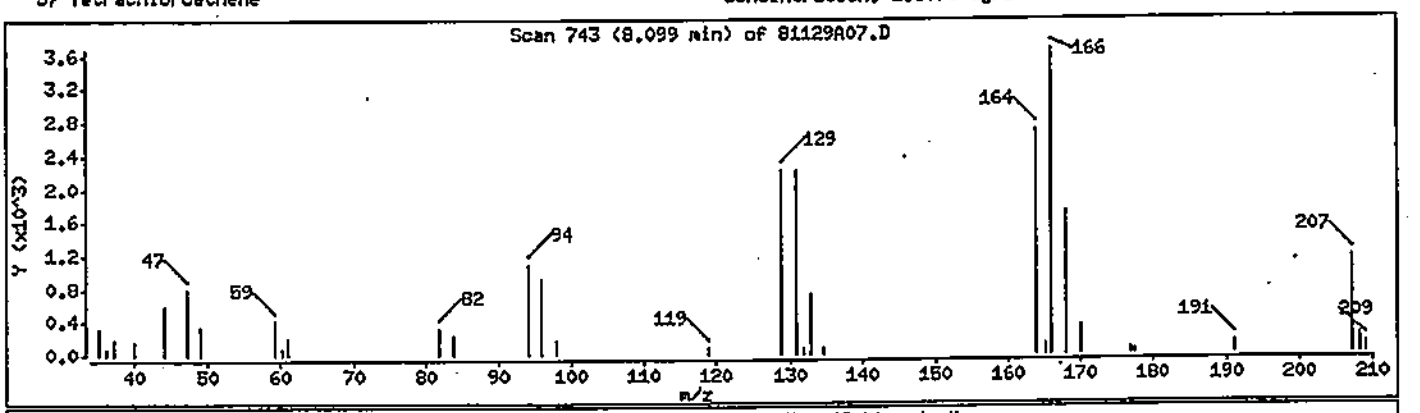
Operator: DLB

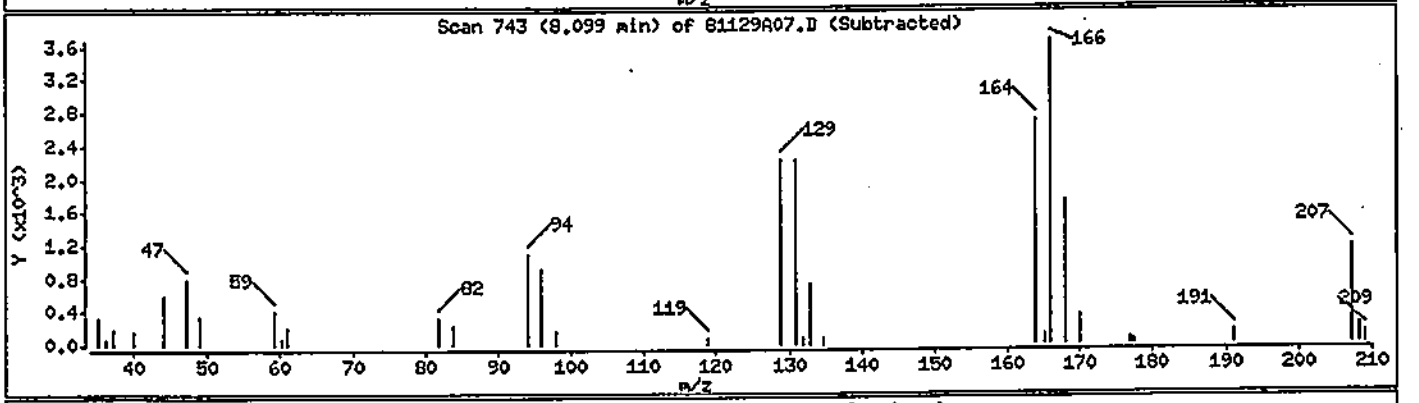
Column phase: DB-624

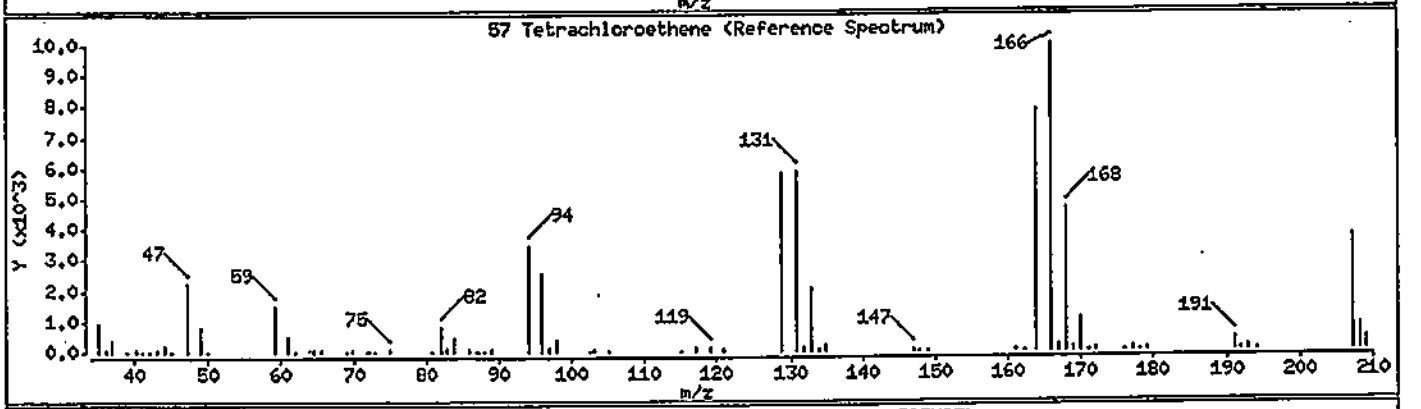
Column diameter: 0.18

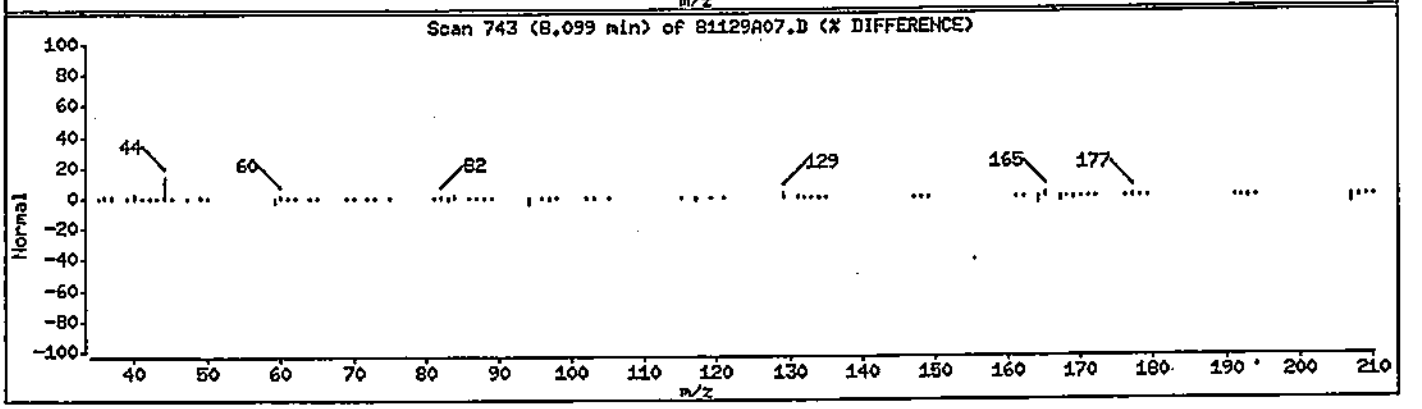
57 Tetrachloroethene

Concentration: 2.6076 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A07.D

Date : 29-NOV-2007 13:34

Client ID: Y3QQ3DL

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-002, 5X

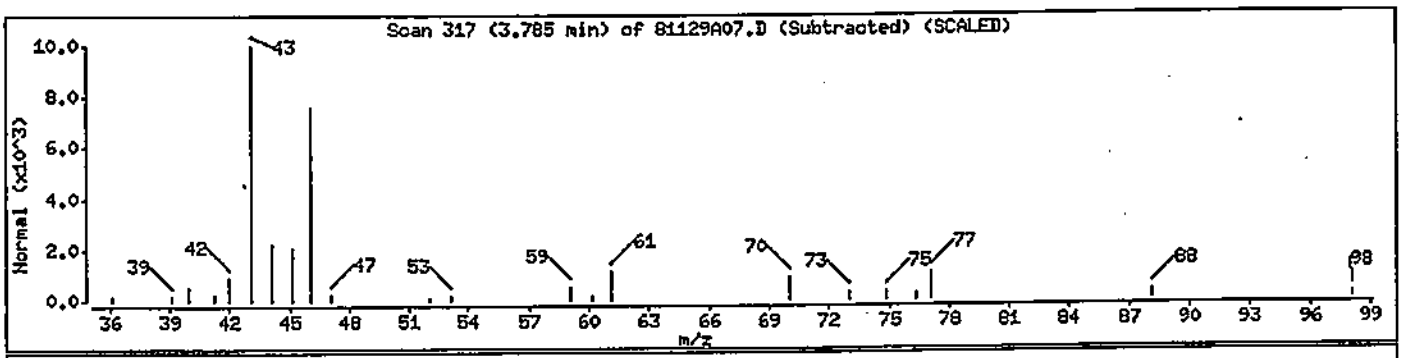
Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ4

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B09

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.084	JB
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.085	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.4	JB
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.24	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.9	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.067	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ4

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B09

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.16	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.052	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
Y3QQ4

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B09

Level: (TRACE/LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
Y3QQ4

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B09

Level: (TRACE or LOW/MED) TRACE Date Received: 11/21/2007

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	11.774	0.58	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D
Lab Smp Id: IK21009-003 Client Smp ID: Y3QQ4
Inj Date : 28-NOV-2007 18:24
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-003
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	1.152	1.152	(0.217)	1247	0.08414	0.0841(aQ)
$	3 Vinyl Chloride-d3	65	1.222	1.223	(0.230)	26144	7.36553	7.3655(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	27159	6.93614	6.9361(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.982	1.972	(0.373)	100599	4.76431	4.7643
	13 1,1-Dichloroethene	96	1.962	1.982	(0.369)	729	0.08485	0.0848(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.022	2.033	(0.381)	9289	2.42713	2.4271(a)
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.347	(0.442)	2557	0.23665	0.2366(a)
	20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	23 1,1-Dichloroethane	63	Compound Not Detected.					
$	25 2-Butanone-d5	46	3.632	3.643	(0.684)	347719	55.6304	55.6303
	26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	28 2-Butanone	43	3.713	3.714	(0.699)	12521	1.91114	1.9111(a)
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.058	4.068	(0.764)	107228	5.62803	5.6280(Q)
	31 Chloroform	83	4.088	4.088	(0.769)	1184	0.06742	0.0674(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	69022	5.50405	5.5040
$	36 Benzene-d6	84	4.726	4.716	(0.511)	199946	5.59358	5.5935
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.313	5.314	(1.000)	172835	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	61898	5.16849	5.1684
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.113	6.124	(1.151)	16102	393.456	393.4558(QR)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	114936	5.28893	5.2889
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.268	(0.787)	182221	5.54282	5.5428
	53 Toluene	91	7.359	7.359	(0.795)	6230	0.15987	0.1598(a)
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	Compound Not Detected.					
$	58 2-Hexanone-d5	63	8.280	8.291	(0.895)	228198	54.7219	54.7218
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	167703	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	9.587	9.597	(1.036)	915	0.05204	0.0520(aH)
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	54689	5.40501	5.4050
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	101651	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	89987	5.57835	5.5783
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D
Lab Smp Id: IK21009-003 Client Smp ID: Y3QQ4
Inj Date : 28-NOV-2007 18:24
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, IK21009-003
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

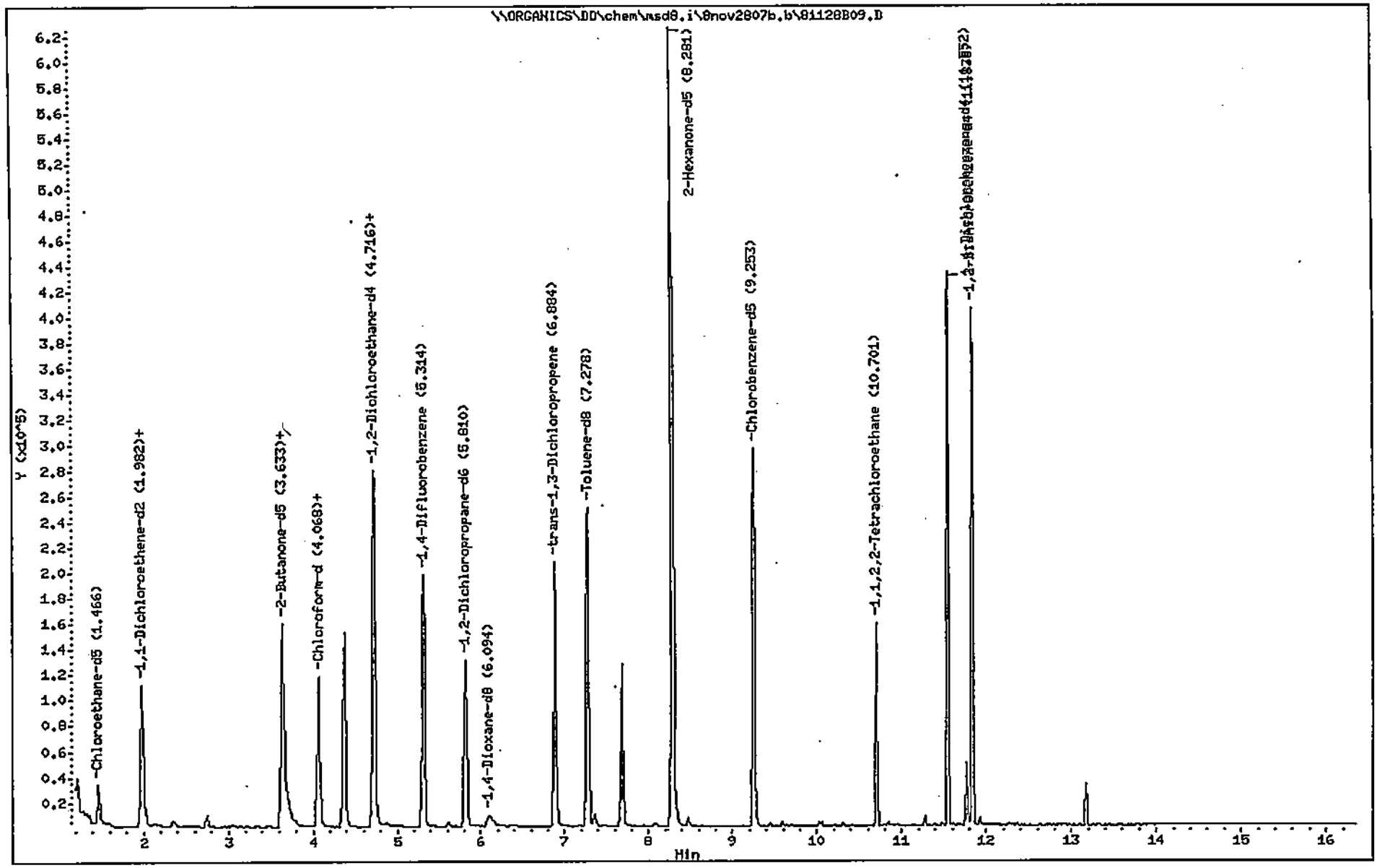
ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	596778	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.774	69609	0.58320346	0.5832	0		0	85

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2007b.b\81128B09.D
Date : 28-NOV-2007 18:24
Client ID: Y3QQ4
Sample Info: 8nov2007b.b, IK21009-003
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 28-NOV-2007 18:24

Client ID: Y3QQ4

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0

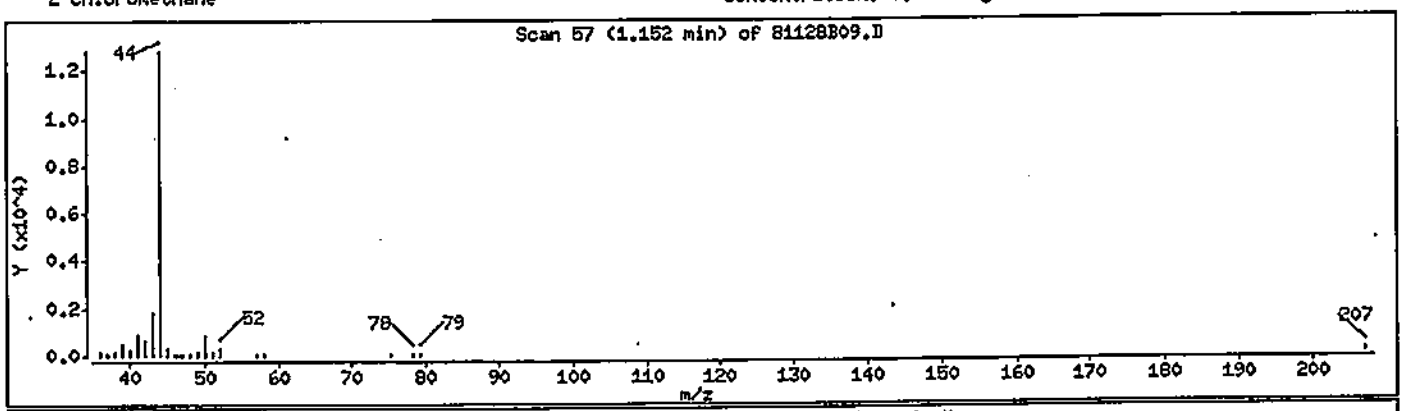
Operator: DLB

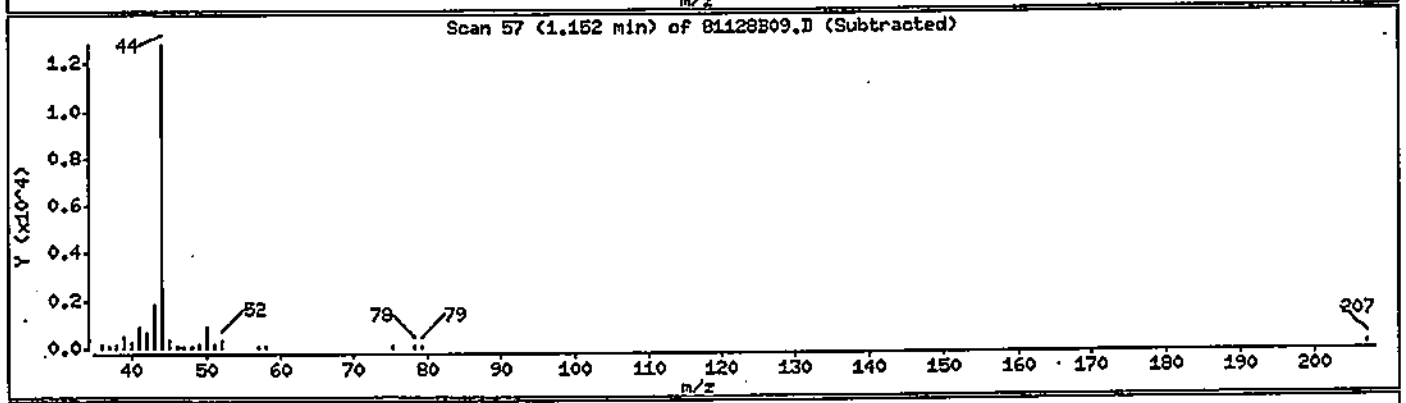
Column phase: DB-624

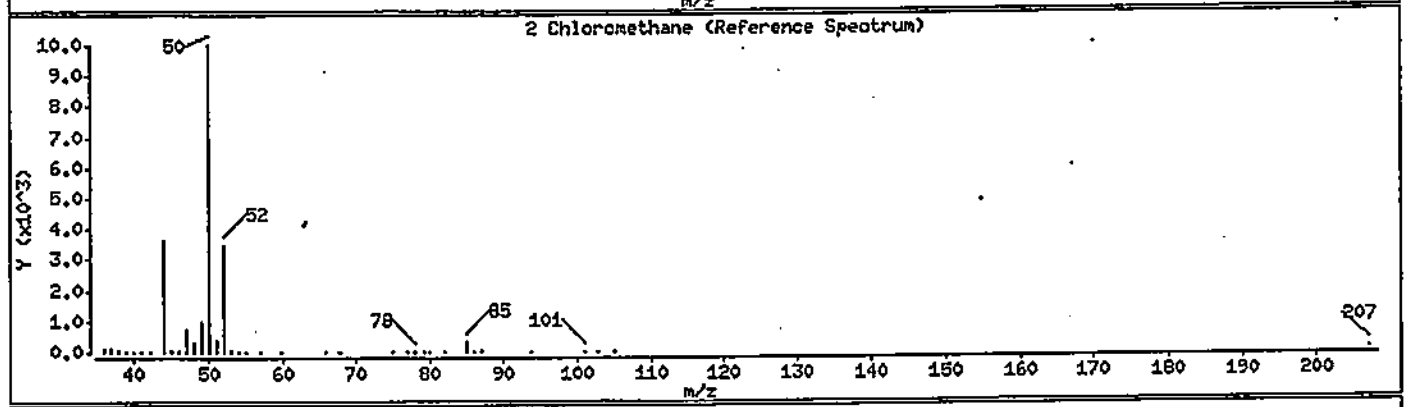
Column diameter: 0.18

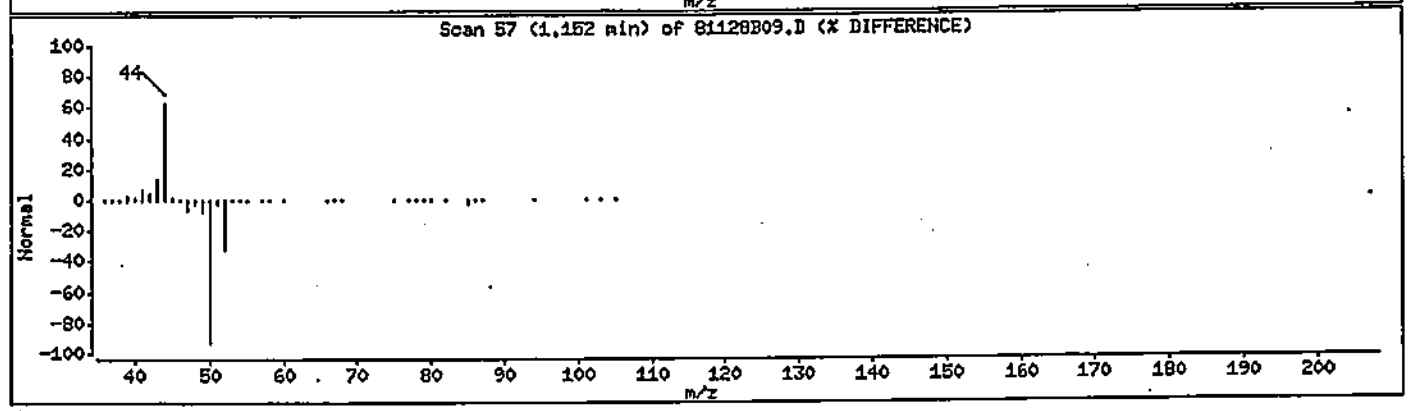
2 Chloromethane

Concentration: 0.0841 ug/L









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Date : 28-NOV-2007 18:24

Client ID: Y3QQ4

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0

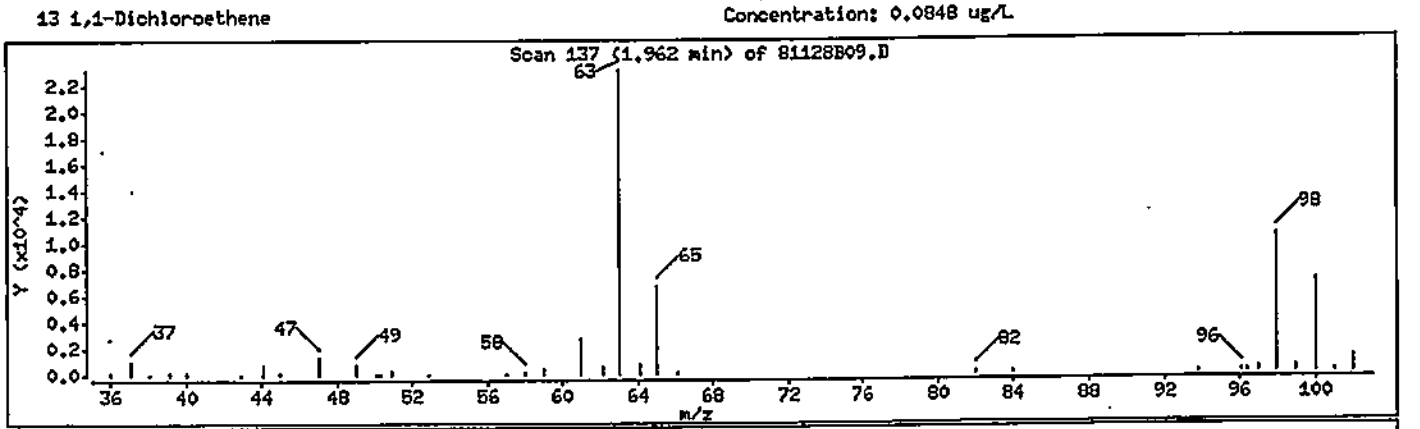
Operator: DLB

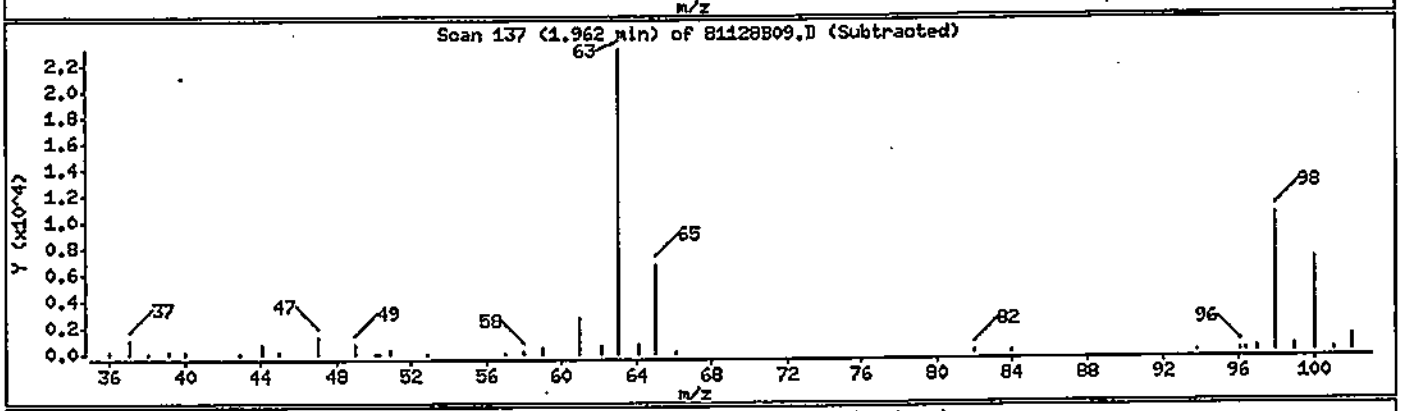
Column phase: DB-624

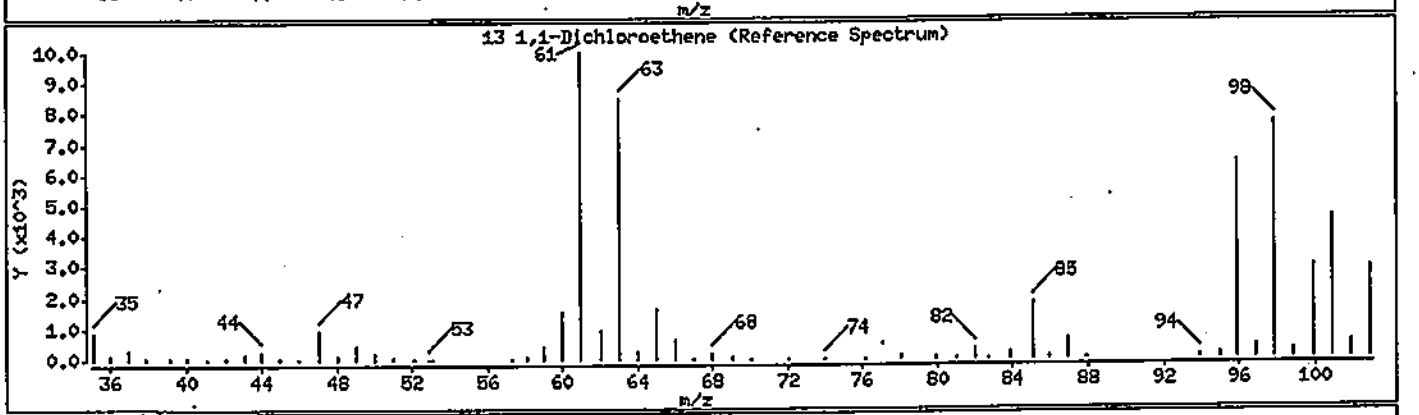
Column diameter: 0.18

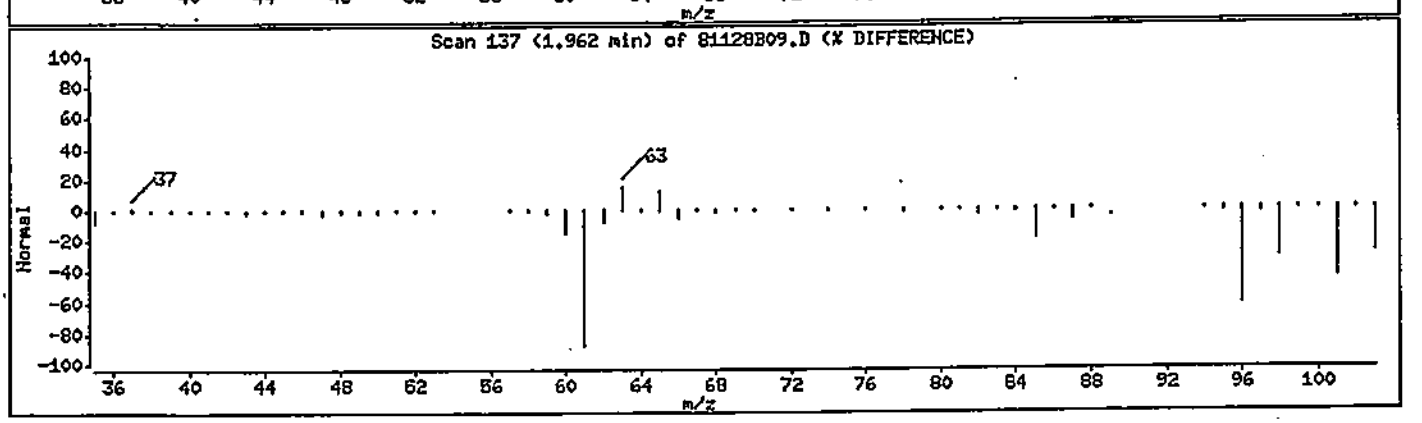
13 1,1-Dichloroethene

Concentration: 0.0848 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

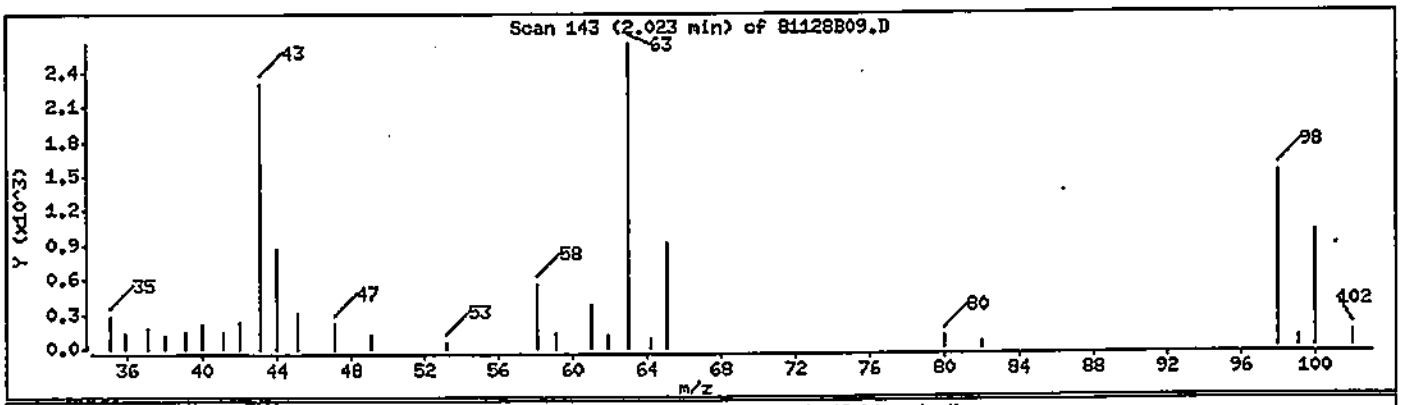
Client ID: Y3QQ4 Instrument: msd8.i

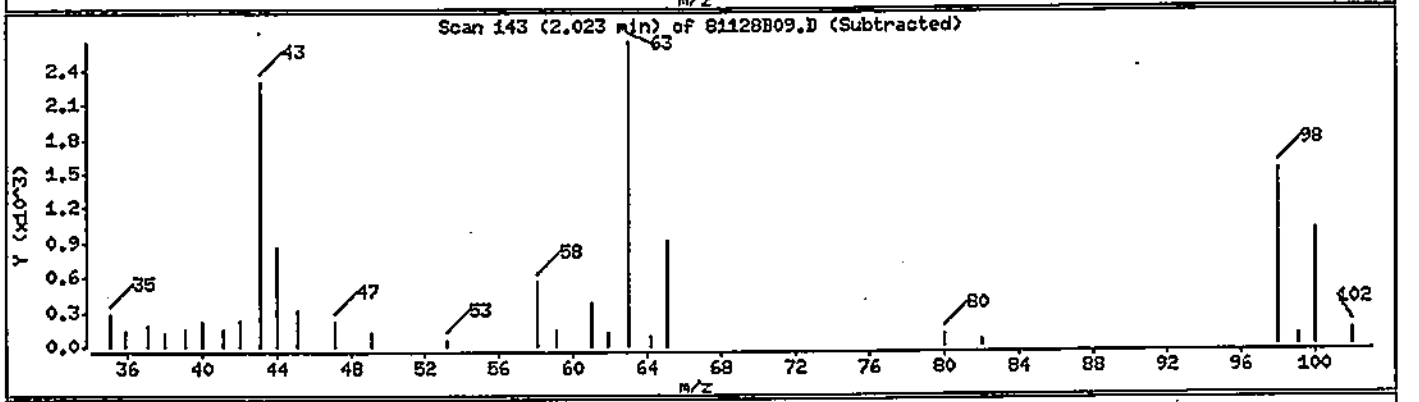
Sample Info: 8nov2807b.b, IK21009-003

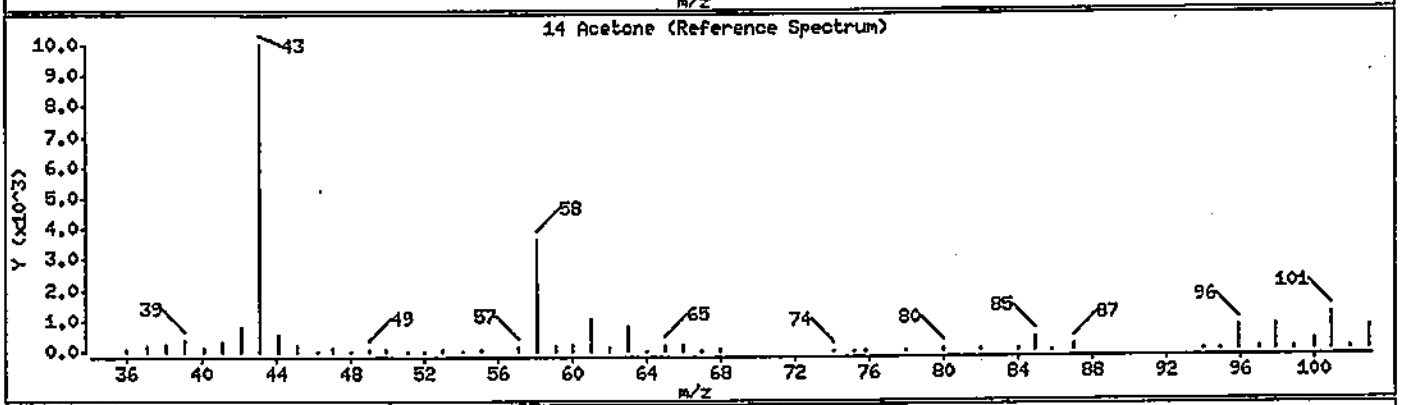
Purge Volume: 25.0 Operator: DLB

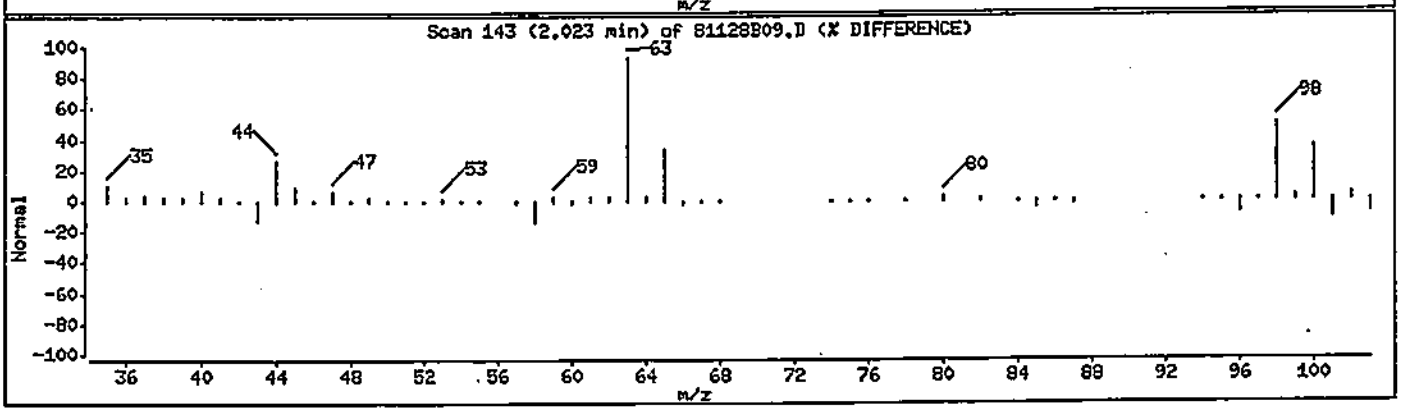
Column phase: DB-624 Column diameter: 0.18

14 Acetone Concentration: 2.4271 ug/L









Data File: \\ORGANICS\DD\chem\msd9.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

Client ID: Y3QQ4

Instrument: msd9.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0

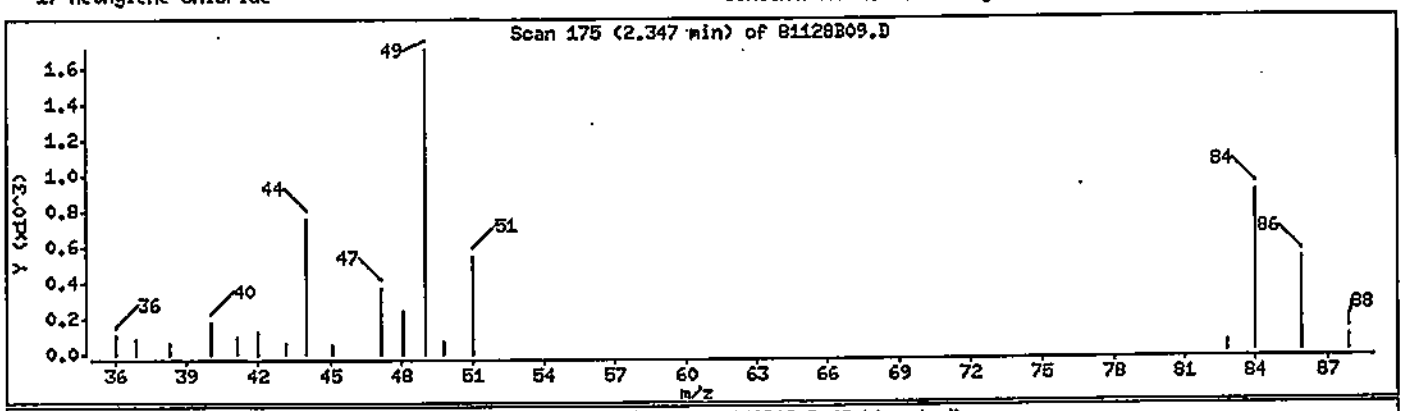
Operator: DLB

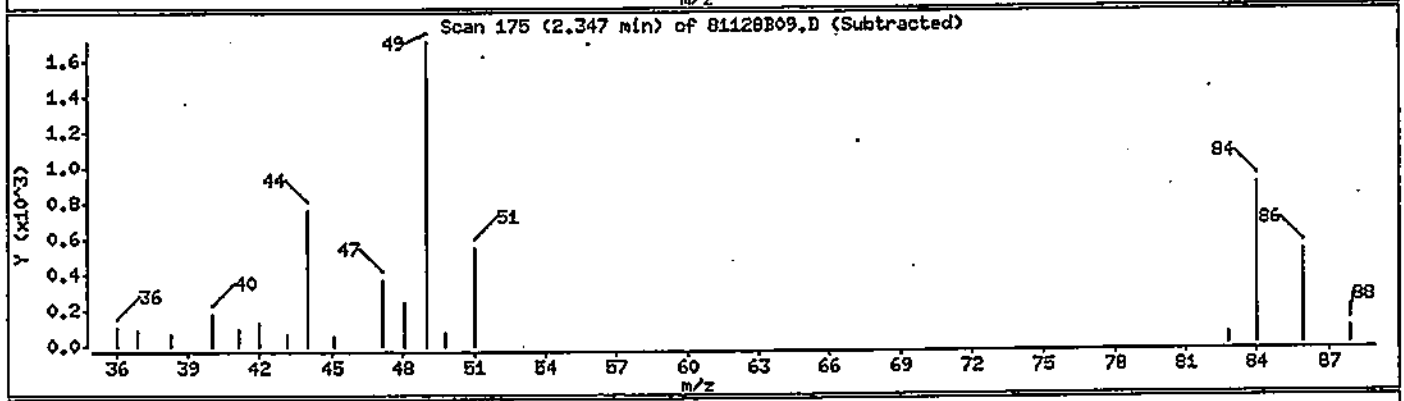
Column phase: DB-624

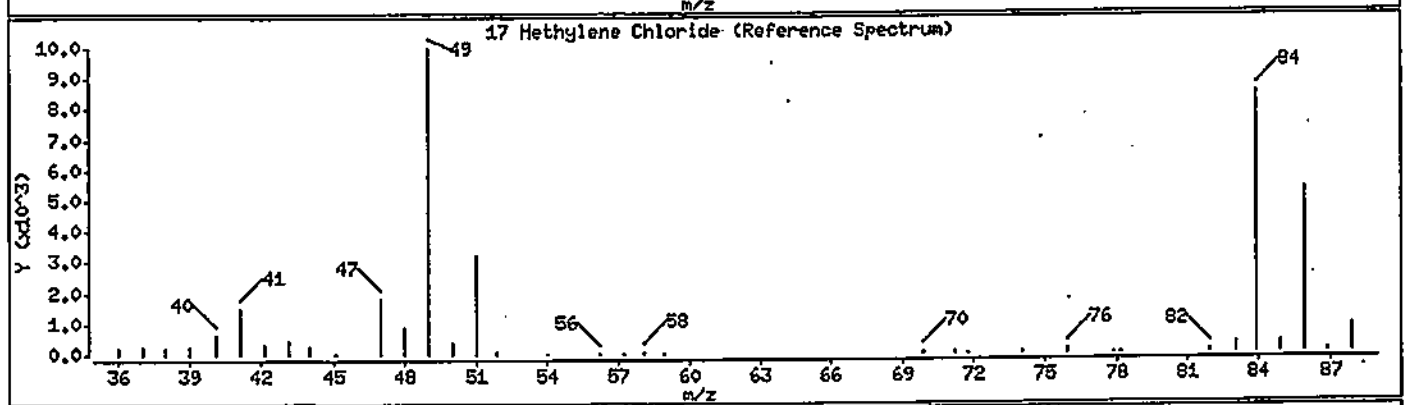
Column diameter: 0.18

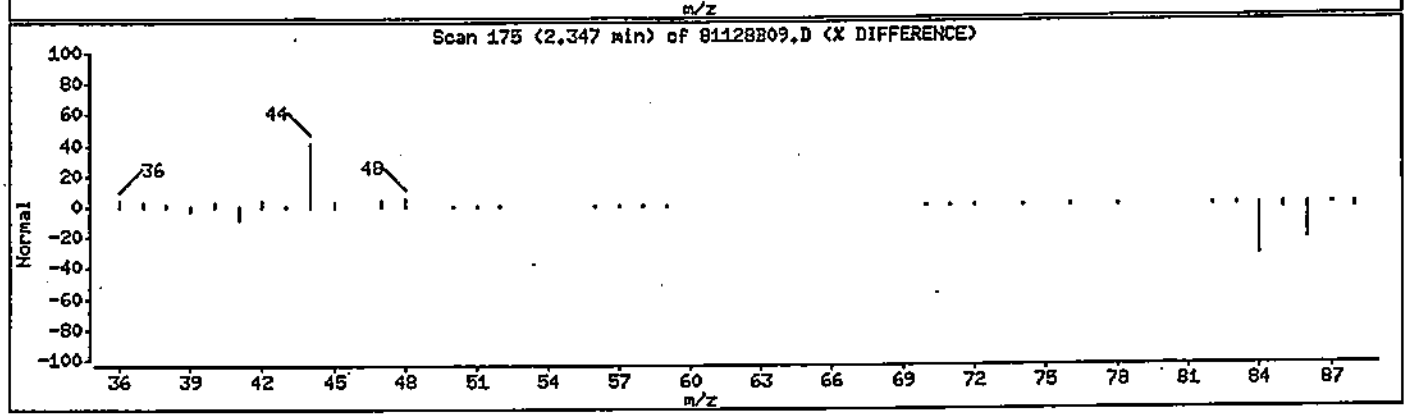
17 Methylene Chloride

Concentration: 0.2366 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

Client ID: Y3QQ4

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0

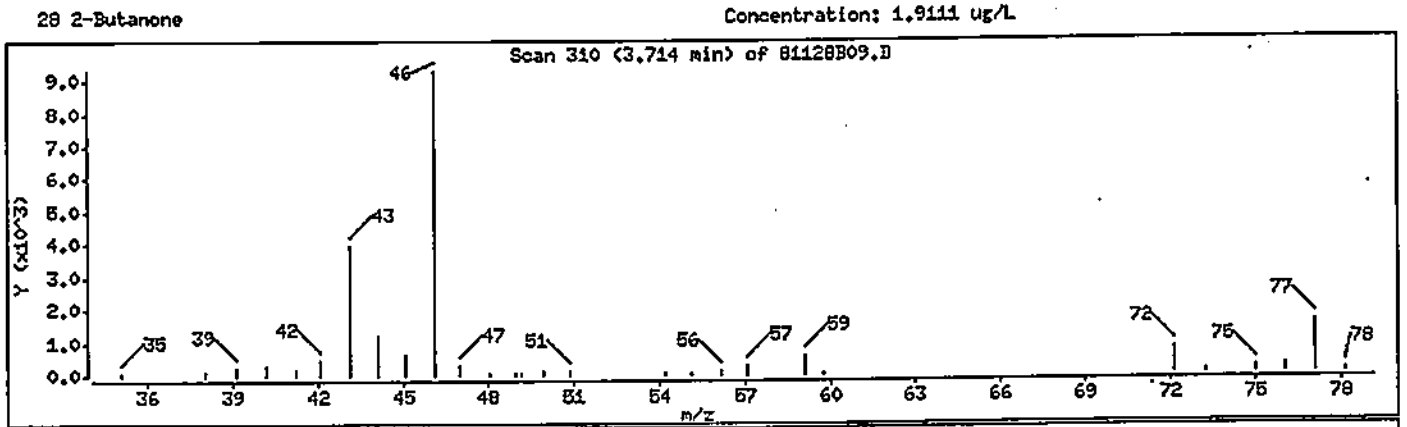
Operator: DLB

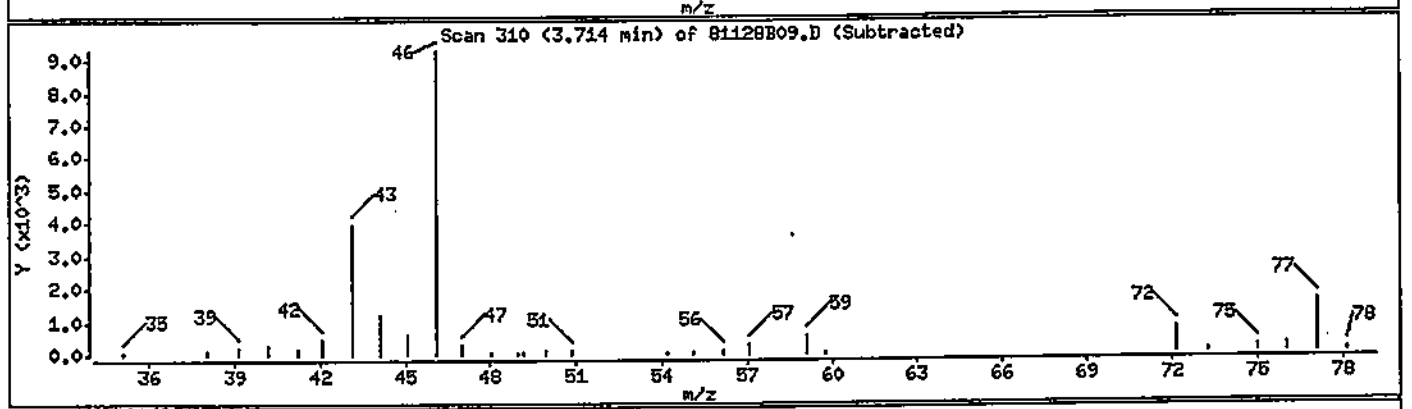
Column phase: DB-624

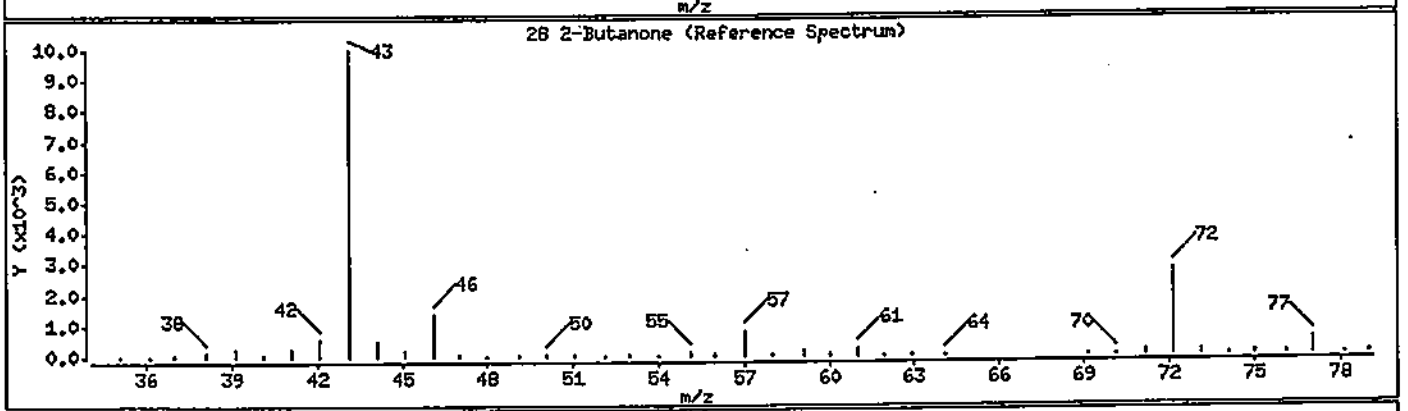
Column diameter: 0.18

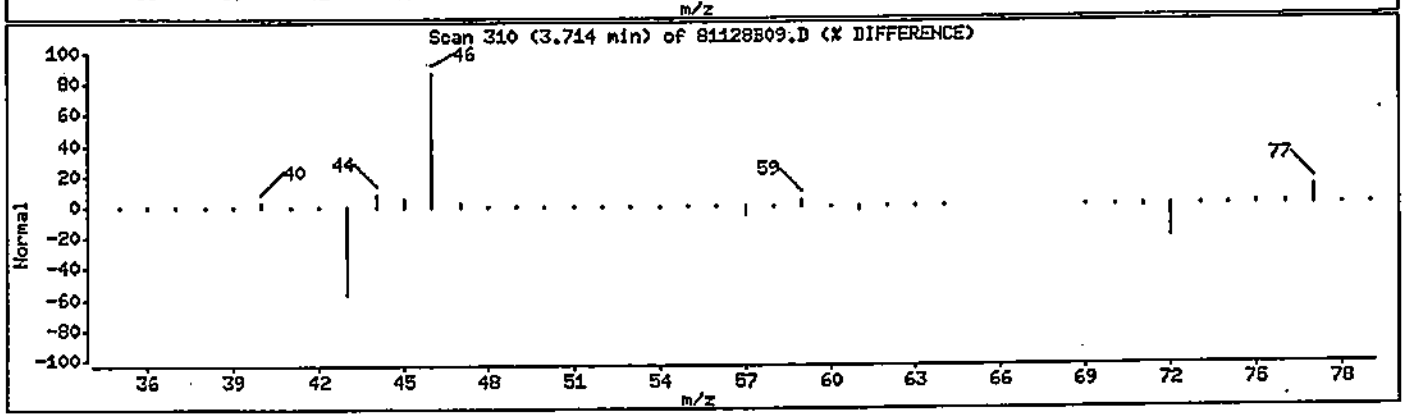
28 2-Butanone

Concentration: 1.9111 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

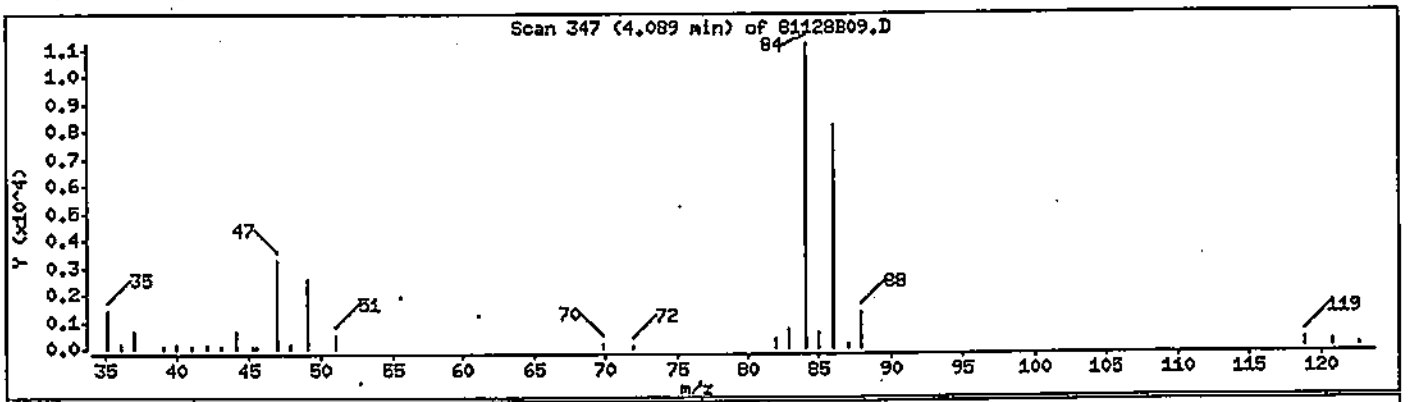
Client ID: Y3QQ4 Instrument: msd8.i

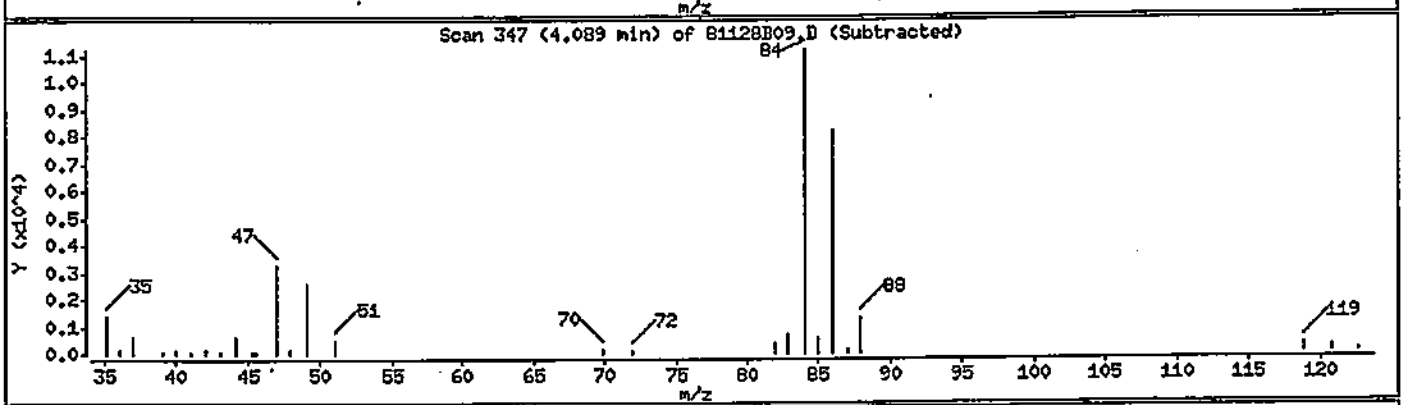
Sample Info: 8nov2807b.b, IK21009-003

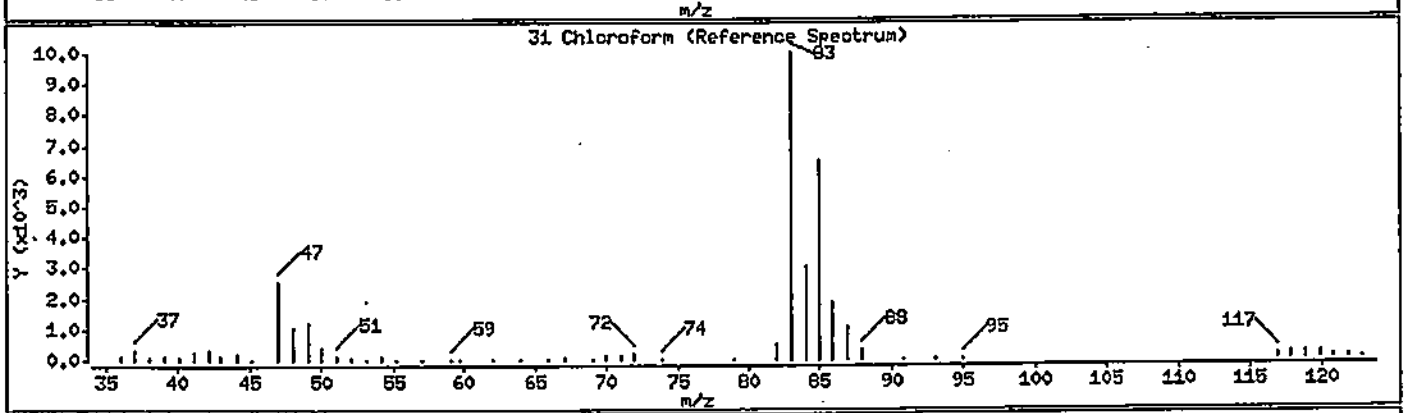
Purge Volume: 25.0 Operator: DLB

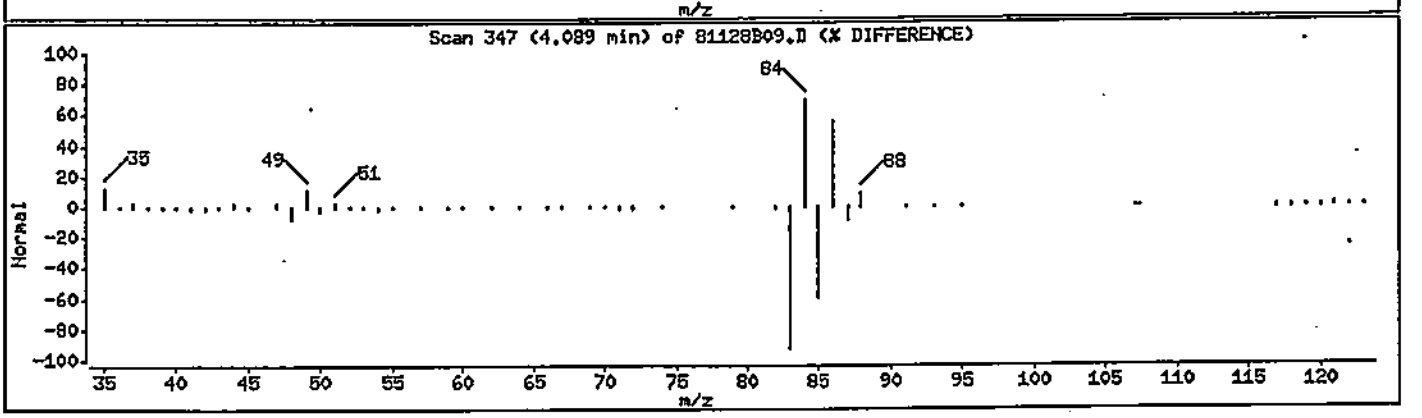
Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0674 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

Client ID: Y3QQ4

Instrument: msd8.i

Sample Info: 8nov2807b.b, TK21009-003

Purge Volume: 25.0

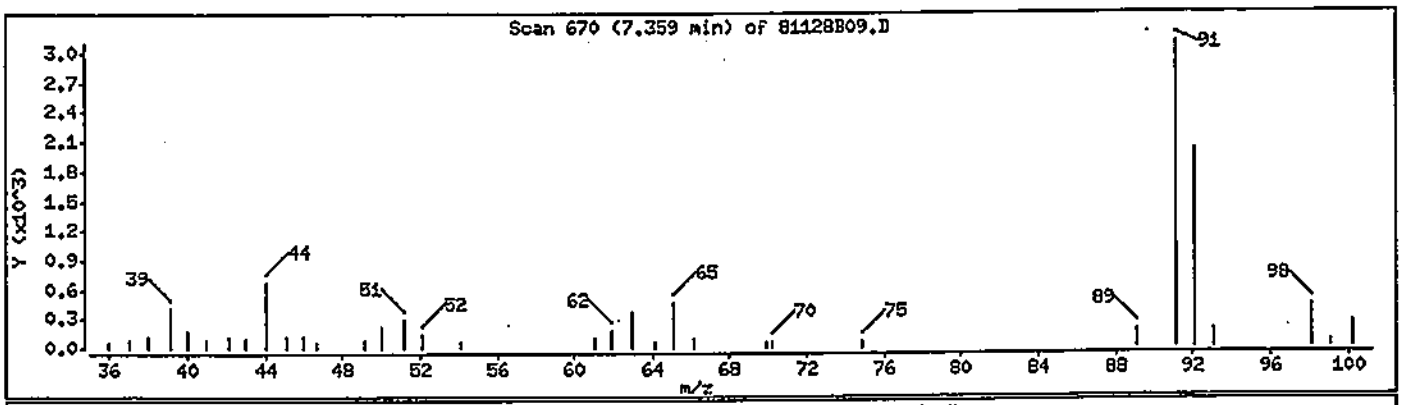
Operator: DLB

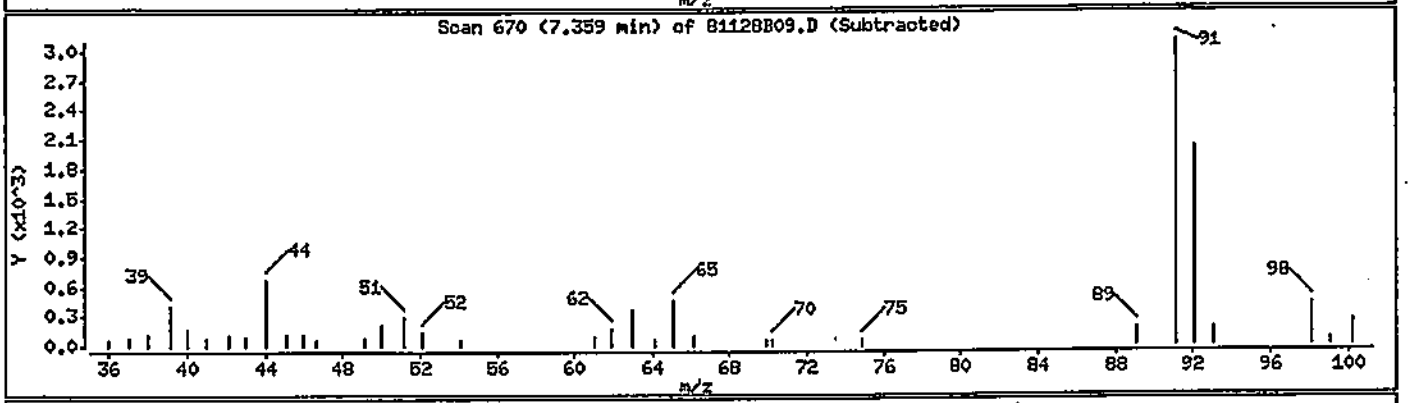
Column phase: DB-624

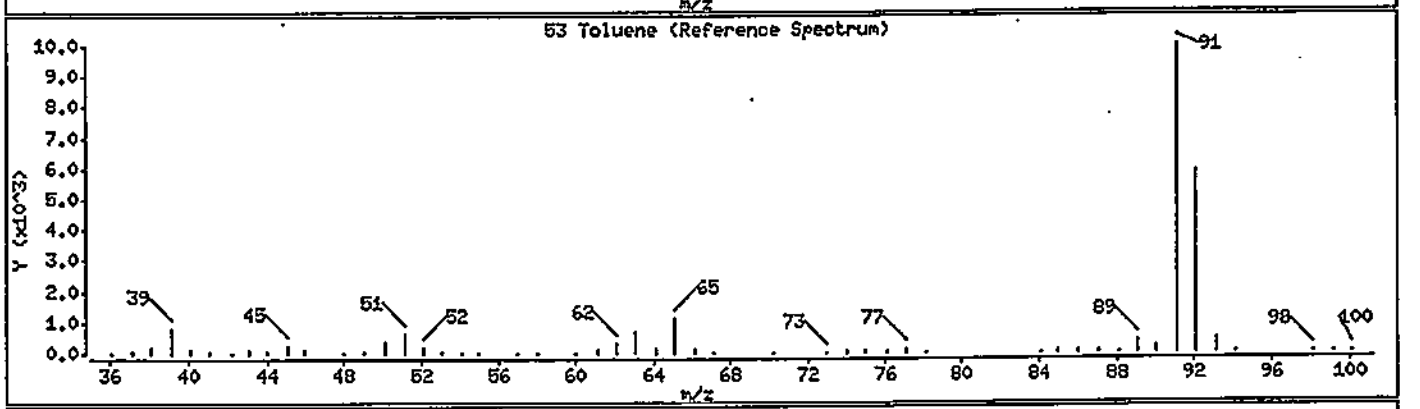
Column diameter: 0.18

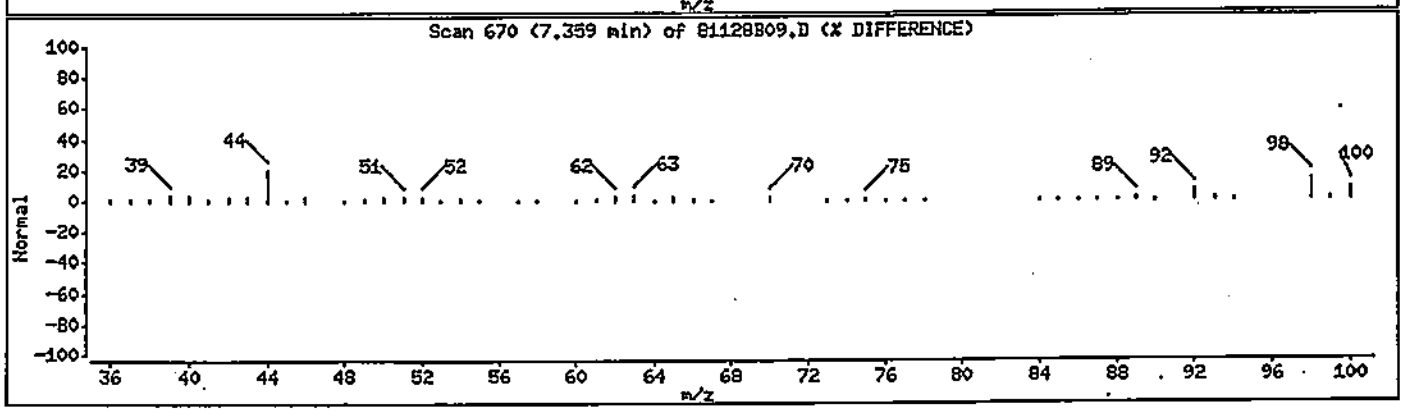
53 Toluene

Concentration: 0.1598 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

Client ID: Y3Q94

Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0

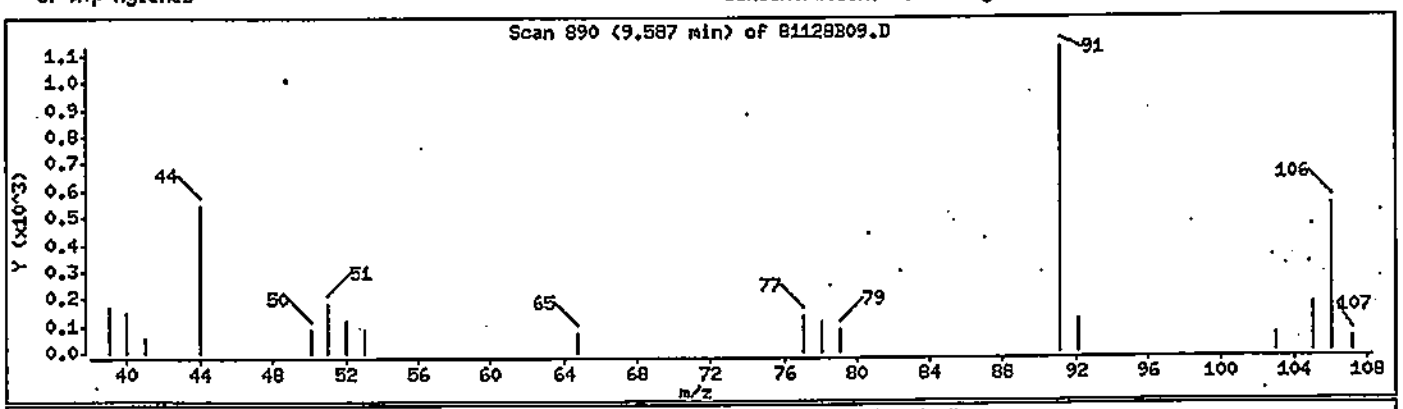
Operator: DLB

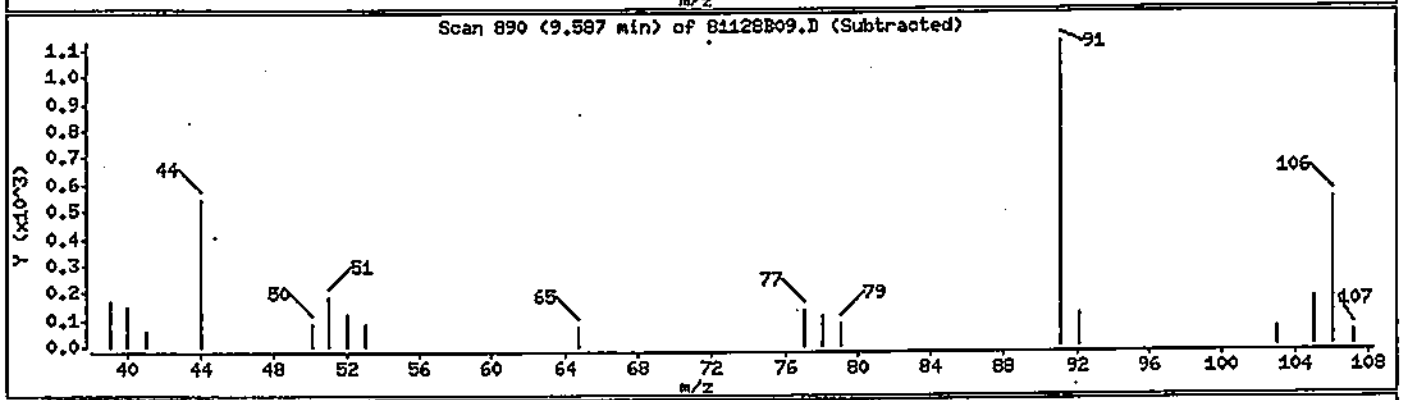
Column phase: DB-624

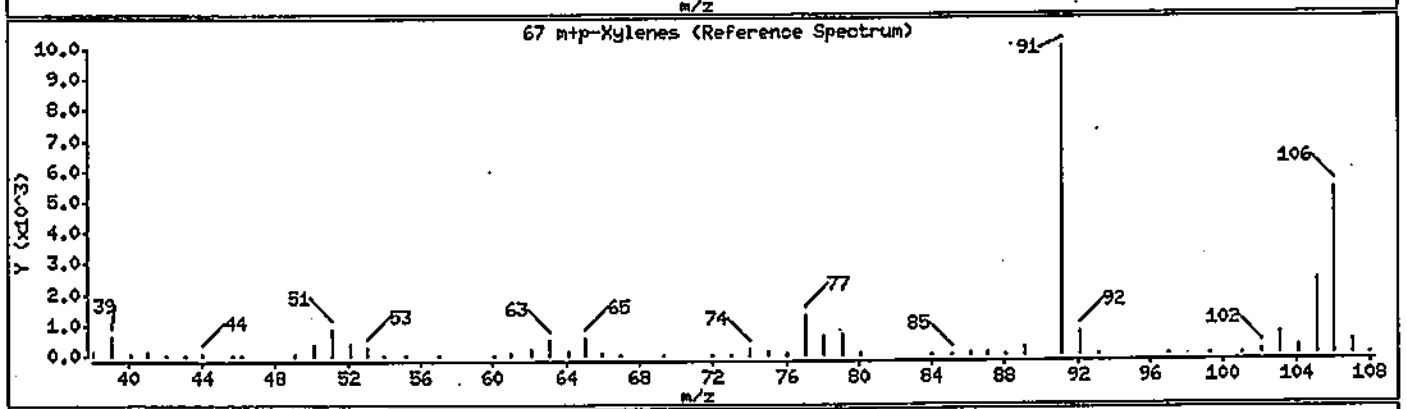
Column diameter: 0.18

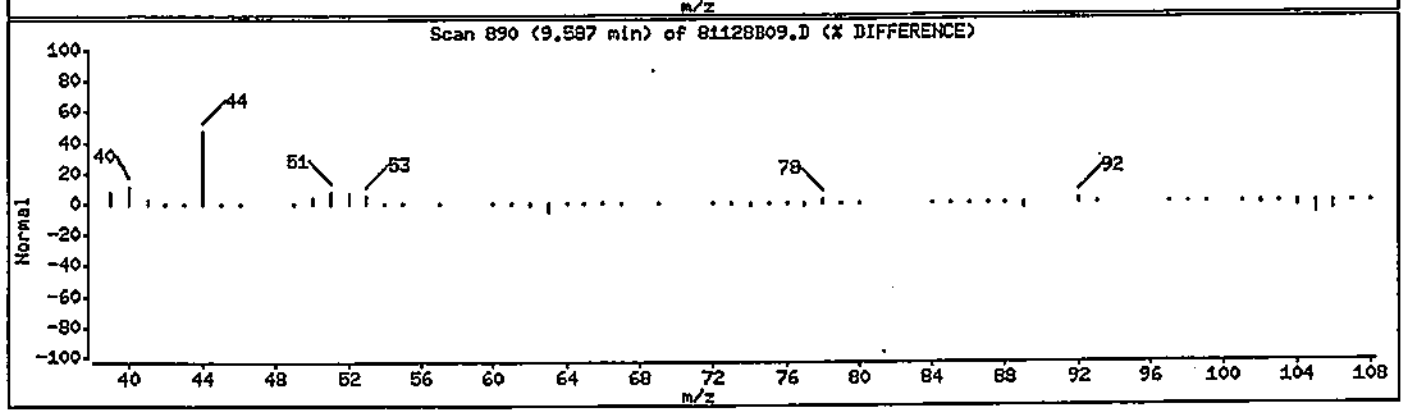
67 m+p-Xylenes

Concentration: 0.0520 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B09.D

Date : 28-NOV-2007 18:24

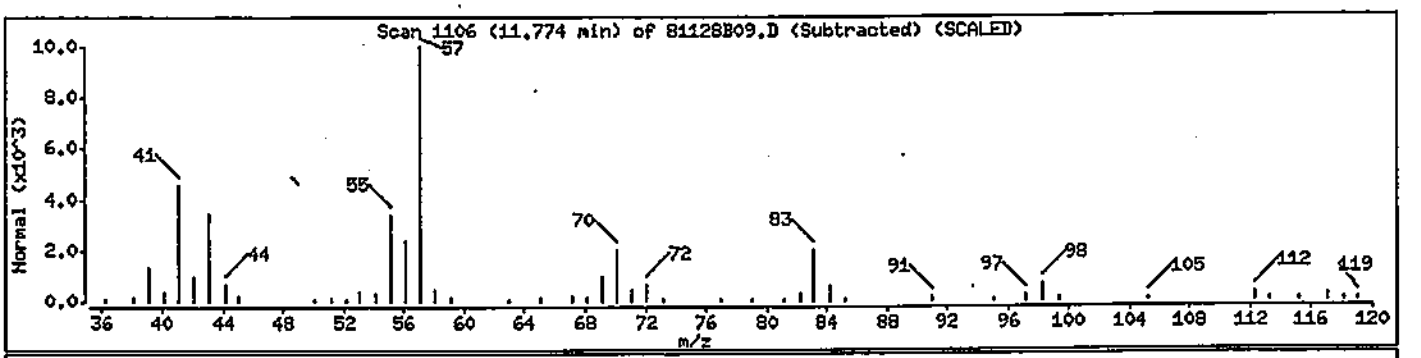
Client ID: Y3QQ4 Instrument: msd8.i

Sample Info: 8nov2807b.b, IK21009-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date(s): 11/28/2007 11/28/2007

Heated Purge: (Y/N) Y Calibration Time(s): 1238 1405

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID: RRF 0.5 = 81128B06 RRF 1.0 = 81128B05
RRF 5.0 = 81128B04 RRF 10 = 81128B03 RRF 20 = 81128B02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.1122	0.1632	0.1462	0.1713	0.1559	0.1498	15.3
Chloromethane	0.4423	0.5189	0.3731	0.4010	0.4083	0.4287	13.1
Vinyl chloride	0.2939	0.3658	0.2845	0.3208	0.3135	0.3157	10.0
Bromomethane	0.1772	0.2078	0.1404	0.1510	0.1324	0.1618	19.0
Chloroethane	0.2018	0.2198	0.1492	0.1605	0.1361	0.1735	20.6
Trichlorofluoromethane	0.2347	0.3797	0.3552	0.4021	0.3566	0.3457	18.8
1,1-Dichloroethene	0.2270	0.2870	0.2283	0.2497	0.2507	0.2485	9.8
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2246	0.2495	0.2434	0.2530	0.2545	0.2450	5.0
Acetone	0.1121	0.1120	0.1103	0.1049	0.1143	0.1107	3.2
Carbon Disulfide	0.7365	0.8997	0.7176	0.7907	0.8026	0.7894	9.0
Methyl acetate	0.3551	0.3417	0.3130	0.3226	0.3046	0.3274	6.3
Methylene chloride	0.3507	0.3760	0.2705	0.2830	0.2827	0.3126	15.2
trans-1,2-Dichloroethene	0.2656	0.3116	0.2360	0.2596	0.2575	0.2661	10.4
Methyl tert-butyl ether	0.8526	1.0687	0.8188	0.8904	0.9135	0.9088	10.6
1,1-Dichloroethane	0.5271	0.6340	0.4869	0.5271	0.5353	0.5421	10.1
cis-1,2-Dichloroethene	0.2789	0.3498	0.2628	0.2810	0.2821	0.2909	11.6
2-Butanone	0.1882	0.1901	0.1894	0.1844	0.1956	0.1895	2.1
Bromochloromethane	0.1419	0.1716	0.1312	0.1388	0.1389	0.1445	10.9
Chloroform	0.4914	0.6082	0.4600	0.4888	0.4917	0.5080	11.3
1,1,1-Trichloroethane	0.3891	0.4869	0.3973	0.4443	0.4520	0.4339	9.4
Cyclohexane	0.5673	0.6793	0.5703	0.6233	0.5794	0.6039	7.9
Carbon tetrachloride	0.0939	0.1305	0.1076	0.1257	0.1306	0.1177	13.9
Benzene	1.0709	1.2591	0.9678	1.0625	1.0691	1.0859	9.8
1,2-Dichloroethane	0.4379	0.5168	0.4062	0.4339	0.4452	0.4480	9.2
Trichloroethene	0.3099	0.3630	0.2801	0.3043	0.2990	0.3113	10.0
Methylcyclohexane	0.3771	0.5285	0.4871	0.5458	0.5216	0.4920	13.8

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date(s): 11/28/2007 11/28/2007

Heated Purge: (Y/N) Y Calibration Time(s): 1238 1405

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID: RRF 0.5 = 81128B06 RRF 1.0 = 81128B05
RRF 5.0 = 81128B04 RRF 10 = 81128B03 RRF 20 = 81128B02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.2964	0.3634	0.2707	0.2931	0.2997	0.3047	11.4
Bromodichloromethane	0.3282	0.4188	0.3362	0.3713	0.3879	0.3685	10.1
cis-1,3-Dichloropropene	0.3844	0.5118	0.4104	0.4483	0.4607	0.4431	11.0
4-Methyl-2-pentanone	0.4092	0.4302	0.4161	0.4117	0.4272	0.4189	2.2
Toluene	1.1247	1.3618	1.0425	1.1325	1.1476	1.1618	10.2
trans-1,3-Dichloropropene	0.3681	0.4777	0.4009	0.4380	0.4620	0.4293	10.4
1,1,2-Trichloroethane	0.2290	0.2755	0.2087	0.2259	0.2270	0.2332	10.7
Tetrachloroethene	0.2379	0.3003	0.2510	0.2685	0.2695	0.2654	8.9
2-Hexanone	0.3095	0.3283	0.3186	0.3121	0.3209	0.3179	2.3
Dibromochloromethane	0.2200	0.3061	0.2503	0.2795	0.2941	0.2700	12.9
1,2-Dibromoethane	0.2438	0.2955	0.2315	0.2466	0.2559	0.2547	9.6
Chlorobenzene	0.7761	0.9389	0.7084	0.7634	0.7734	0.7920	10.9
Ethylbenzene	1.2832	1.5560	1.2131	1.3315	1.3369	1.3442	9.6
o-Xylene	0.5119	0.6029	0.4824	0.5163	0.5181	0.5263	8.6
m,p-Xylene	0.4877	0.6000	0.4812	0.5261	0.5260	0.5242	9.0
Styrene	0.7758	0.9832	0.8094	0.8891	0.9050	0.8725	9.4
Bromoform	0.2411	0.3240	0.2837	0.3281	0.3581	0.3070	14.8
Isopropylbenzene	1.2448	1.5794	1.2875	1.4002	1.4007	1.3825	9.4
1,1,2,2-Tetrachloroethane	0.2673	0.3499	0.2610	0.2887	0.3079	0.2949	12.2
1,3-Dichlorobenzene	1.2443	1.4383	1.1072	1.2325	1.2045	1.2454	9.7
1,4-Dichlorobenzene	1.3106	1.5276	1.1462	1.2638	1.2650	1.3026	10.7
1,2-Dichlorobenzene	1.2320	1.4322	1.0498	1.1441	1.1216	1.1959	12.3
1,2-Dibromo-3-chloropropane	0.0853	0.1114	0.0935	0.1120	0.1185	0.1041	13.5
1,2,4-Trichlorobenzene	0.9908	1.2481	1.0049	1.1104	1.1088	1.0926	9.5
1,2,3-Trichlorobenzene	0.9239	1.1309	0.8790	0.9880	0.9845	0.9813	9.7

6C - FORM VI VOA-3 MODIFIED
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date(s): 11/28/2007 11/28/2007

Heated Purge: (Y/N) Y Calibration Time(s): 1238 1405

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

LAB FILE ID: RRF 0.5 = 81128B06 RRF 1.0 = 81128B05
RRF 5.0 = 81128B04 RRF 10 = 81128B03 RRF 20 = 81128B02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Vinyl Chloride-d3	0.1119	0.1072	0.0881	0.1040	0.1023	0.1027	8.7
Chloroethane-d5	0.1303	0.1434	0.0992	0.1020	0.0915	0.1133	19.7
1,1-Dichloroethene-d2	0.5602	0.6904	0.5662	0.6131	0.6244	0.6108	8.6
2-Butanone-d5	0.1740	0.1819	0.1783	0.1778	0.1921	0.1808	3.8
Chloroform-d	0.5351	0.6416	0.4979	0.5388	0.5425	0.5512	9.7
1,2-Dichloroethane-d4	0.3707	0.4466	0.3177	0.3378	0.3410	0.3628	13.9
Benzene-d6	1.0566	1.2710	0.9297	1.0293	1.0421	1.0657	11.7
1,2-Dichloropropane-d6	0.3308	0.4204	0.3280	0.3523	0.3538	0.3571	10.5
Toluene-d8	0.9535	1.1483	0.8792	0.9562	0.9635	0.9802	10.2
trans-1,3-Dichloropropene-d4	0.5652	0.7435	0.5915	0.6640	0.6753	0.6479	11.0
2-Hexanone-d5	0.1148	0.1254	0.1254	0.1248	0.1312	0.1243	4.8
1,1,2,2-Tetrachloroethane-d2	0.2805	0.3615	0.2671	0.2920	0.3072	0.3017	12.1
1,2-Dichlorobenzene-d4	0.7897	0.9376	0.7039	0.7703	0.7659	0.7935	10.9
tertiary butyl alcohol	0.0426	0.0526	0.0484	0.0451	0.0494	0.0476	8.1

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B02.D
Lab Smp Id: VSTD020 Client Smp ID: VSTD02028
Inj Date : 28-NOV-2007 12:38
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD020
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 12:38 Cal File: 81128B02.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.060	1.060	(0.200)	114990	20.0000	20.8209(A)
2 Chloromethane	50	1.152	1.152	(0.217)	301127	20.0000	19.0487
$ 3 Vinyl Chloride-d3	65	1.222	1.223	(0.230)	75411	20.0000	19.9169
4 Vinyl Chloride	62	1.233	1.223	(0.232)	231205	20.0000	19.8627
5 Bromomethane	94	1.425	1.415	(0.268)	97618	20.0000	16.3652
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	67444	20.0000	16.1474
7 Chloroethane	64	1.476	1.476	(0.278)	100350	20.0000	15.6893
8 Trichlorofluoromethane	101	1.648	1.628	(0.310)	262977	20.0000	20.6329(A)
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	460480	20.0000	20.4443(A)
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	184914	20.0000	20.1767(A)
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.982	1.982	(0.373)	187712	20.0000	20.7774(A)
14 Acetone	43	2.022	2.033	(0.381)	842652	200.000	206.4089(A)
15 Carbon Disulfide	76	2.154	2.154	(0.405)	591915	20.0000	20.3343(A)
16 Methyl Acetate	43	2.255	2.266	(0.425)	224637	20.0000	18.6087
17 Methylene Chloride	84	2.347	2.347	(0.442)	208454	20.0000	18.0861
20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	673666	20.0000	20.1035(A)
21 trans-1,2-Dichloroethene	96	2.569	2.579	(0.484)	189890	20.0000	19.3558
23 1,1-Dichloroethane	63	2.984	2.984	(0.562)	394747	20.0000	19.7501
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	1416505	200.000	212.4501(A)
26 cis-1,2-Dichloroethene	96	3.663	3.673	(0.689)	208036	20.0000	19.3951
28 2-Butanone	43	3.714	3.714	(0.699)	1442669	200.000	206.4312(A)
29 Bromochloromethane	128	3.967	3.977	(0.747)	102402	20.0000	19.2214
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	400040	20.0000	19.6837
31 Chloroform	83	4.088	4.088	(0.769)	362603	20.0000	19.3576

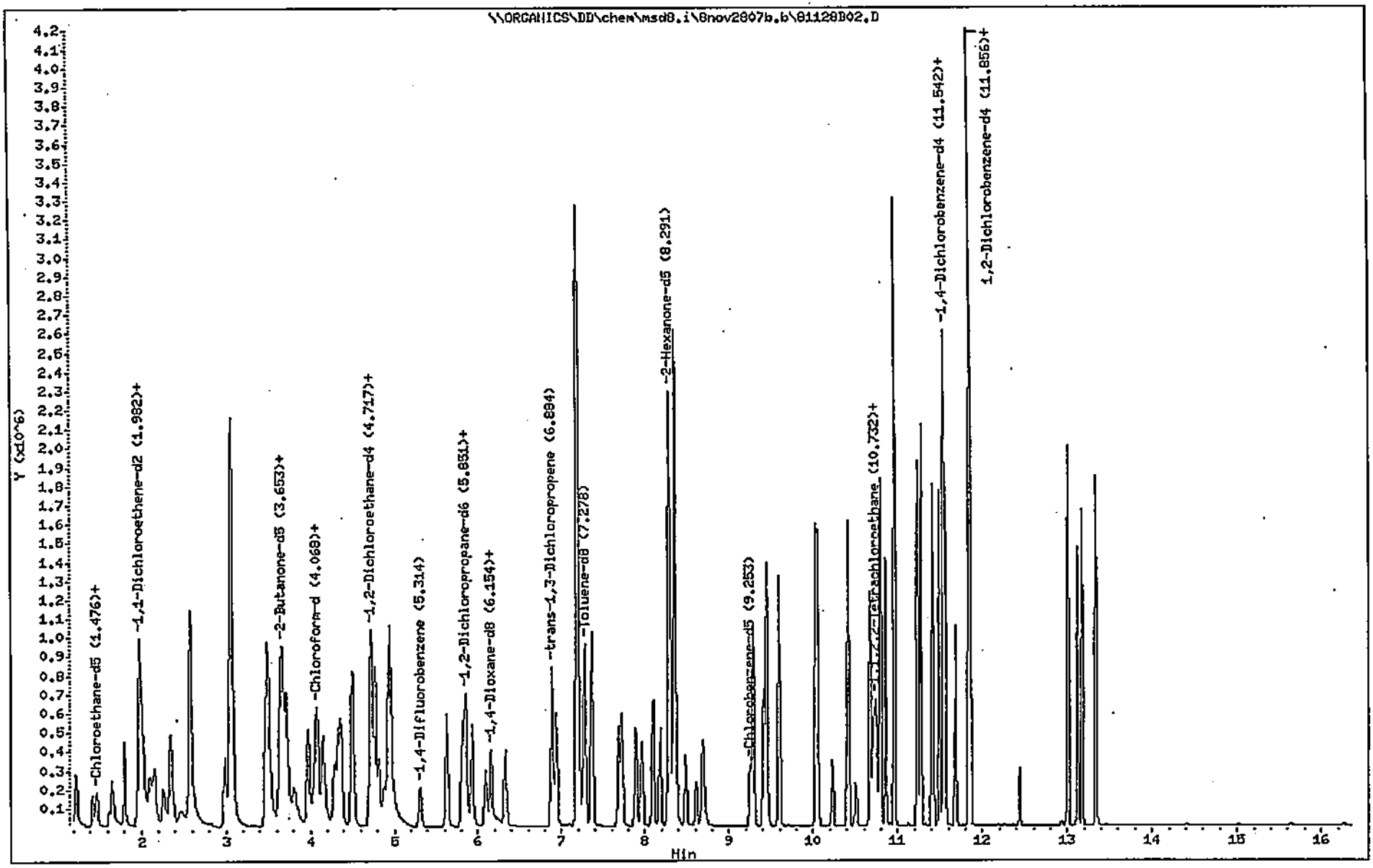
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	33 1,1,2-Trichloroethane	97	4.291	4.291	(0.464)	311609	20.0000	20.8356(A)
	32 Cyclohexane	56	4.341	4.352	(0.469)	399368	20.0000	19.1865(Q)
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	90034	20.0000	22.2026(AQ)
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	251462	20.0000	18.7984
$	36 Benzene-d6	84	4.716	4.716	(0.510)	718353	20.0000	19.5564
	37 Benzene	78	4.767	4.767	(0.515)	736944	20.0000	19.6906
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	328352	20.0000	19.8771
*	41 1,4-Difluorobenzene	114	5.313	5.314	(1.000)	184364	5.00000	
	42 Trichloroethene	95	5.627	5.627	(0.608)	206087	20.0000	19.2103
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	243863	20.0000	19.8156
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	359569	20.0000	21.2033(A)
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	206578	20.0000	19.6732
$	46 1,4-Dioxane-d8	96	6.144	6.124	(1.156)	50242	800.000	1150.9028(TAQ)
	47 1,4-Dioxane	88	6.205	6.184	(1.168)	85609	800.000	1136.2022(A)
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	267366	20.0000	21.0516(A)
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	465530	20.0000	20.8465(A)
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	317571	20.0000	20.7930(A)
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	2944673	200.000	203.9635(A)
$	52 Toluene-d8	98	7.278	7.268	(0.787)	664195	20.0000	19.6608
	53 Toluene	91	7.359	7.359	(0.795)	791095	20.0000	19.7555
	55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	318494	20.0000	21.5236(A)
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	156473	20.0000	19.4667
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	185772	20.0000	20.3053(A)
$	58 2-Hexanone-d5	63	8.291	8.291	(0.896)	904451	200.000	211.0616(A)
	60 2-Hexanone	43	8.351	8.351	(0.903)	2212186	200.000	201.9027(A)
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	202752	20.0000	21.7877(A)
	62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	176398	20.0000	20.0966(A)
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	172332	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	533112	20.0000	19.5289
	65 Ethylbenzene	91	9.445	9.445	(1.021)	921533	20.0000	19.8914
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	362570	20.0000	20.0674(A)
	68 o-Xylene	106	10.032	10.032	(1.084)	357121	20.0000	19.6869
	69 Styrene	104	10.053	10.053	(1.086)	623820	20.0000	20.7441(A)
	70 Bromoform	173	10.225	10.225	(0.885)	152165	20.0000	23.3276(A)
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	965562	20.0000	20.2632(A)
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	211786	20.0000	20.3689(A)
	74 1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.160)	212239	20.0000	20.8776(A)
	83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	511880	20.0000	19.3443
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	106240	5.00000	(Q)
	86 1,4-Dichlorobenzene	146	11.572	11.561	(1.002)	537582	20.0000	19.4222
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	325486	20.0000	19.3055
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	476623	20.0000	18.7564
	90 1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	50341	20.0000	22.7492(A)
	91 1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	471208	20.0000	20.2970(A)
	94 1,2,3-Trichlorobenzene	180	13.333	13.334	(1.154)	418360	20.0000	20.0649(A)
	19 tert-butyl alcohol	59	2.468	2.478	(0.465)	364389	200.000	207.6171(Q)

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B02.D
Date : 28-NOV-2007 12:38
Client ID: VSTD02028
Sample Info: 8nov2807b.b, VSTD020
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B03.D
Lab Smp Id: VSTD010 Client Smp ID: VSTD01028
Inj Date : 28-NOV-2007 13:00
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD010
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:00 Cal File: 81128B03.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.061	1.060	(0.200)	61341	10.0000	11.4400
2 Chloromethane	50	1.152	1.152	(0.217)	143571	10.0000	9.3544
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	37224	10.0000	10.1262
4 Vinyl Chloride	62	1.233	1.223	(0.232)	114826	10.0000	10.1606
5 Bromomethane	94	1.425	1.415	(0.268)	54062	10.0000	9.3351
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	36530	10.0000	9.0083
7 Chloroethane	64	1.486	1.476	(0.280)	57444	10.0000	9.2506
8 Trichlorofluoromethane	101	1.648	1.628	(0.310)	143956	10.0000	11.6335
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	219466	10.0000	10.0361
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	89397	10.0000	10.0471
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.982	(0.375)	90580	10.0000	10.3269
14 Acetone	43	2.023	2.033	(0.381)	375615	100.000	94.7678
15 Carbon Disulfide	76	2.154	2.154	(0.405)	283075	10.0000	10.0163
16 Methyl Acetate	43	2.266	2.266	(0.426)	115473	10.0000	9.8526
17 Methylene Chloride	84	2.347	2.347	(0.442)	101326	10.0000	9.0551
20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	318746	10.0000	9.7973
21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	92942	10.0000	9.7579
23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	188695	10.0000	9.7240
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	636652	100.000	98.3509
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	100583	10.0000	9.6586
28 2-Butanone	43	3.714	3.714	(0.699)	659972	100.000	97.2684
29 Bromochloromethane	128	3.977	3.977	(0.748)	49688	10.0000	9.6065
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	192884	10.0000	9.7754
31 Chloroform	83	4.088	4.088	(0.769)	174972	10.0000	9.6211

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	152063	10.0000	10.2384
32 Cyclohexane	56	4.342	4.352	(0.469)	213333	10.0000	10.3203
34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	43021	10.0000	10.6829
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	120932	10.0000	9.3117
$ 36 Benzene-d6	84	4.716	4.716	(0.510)	352299	10.0000	9.6577
37 Benzene	78	4.767	4.767	(0.515)	363680	10.0000	9.7849
39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	155347	10.0000	9.6862
* 41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	178994	5.00000	
42 Trichloroethene	95	5.628	5.627	(0.608)	104164	10.0000	9.7771
$ 44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	120601	10.0000	9.8679
43 Methylcyclohexane	83	5.850	5.850	(0.632)	186808	10.0000	11.0924
45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	100320	10.0000	9.6203
$ 46 1,4-Dioxane-d8	96	6.134	6.124	(1.154)	16694	400.000	393.8853
47 1,4-Dioxane	88	6.225	6.184	(1.171)	29456	400.000	402.6684 (M)
49 Bromodichloromethane	83	6.326	6.326	(0.684)	127099	10.0000	10.0770
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	227262	10.0000	10.2476
50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	153455	10.0000	10.1174
51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	1409205	100.000	98.2862
$ 52 Toluene-d8	98	7.278	7.268	(0.787)	327299	10.0000	9.7558
53 Toluene	91	7.359	7.359	(0.795)	387651	10.0000	9.7479
55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	149904	10.0000	10.2069
56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	77317	10.0000	9.6859
57 Tetrachloroethene	164	8.098	8.098	(0.875)	91904	10.0000	10.1152
$ 58 2-Hexanone-d5	63	8.281	8.291	(0.895)	427043	100.000	100.3477
60.2-Hexanone	43	8.352	8.351	(0.903)	1068274	100.000	98.1782
61 Dibromochloromethane	129	8.483	8.483	(0.917)	95660	10.0000	10.3511
62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	84391	10.0000	9.6813
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	171141	5.00000	
64 Chlorobenzene	112	9.283	9.283	(1.003)	261306	10.0000	9.6387
65 Ethylbenzene	91	9.445	9.445	(1.021)	455765	10.0000	9.9062
67 m+p-Xylenes	106	9.597	9.597	(1.037)	180084	10.0000	10.0366
68 o-Xylene	106	10.032	10.032	(1.084)	176713	10.0000	9.8094
69 Styrene	104	10.053	10.053	(1.086)	304312	10.0000	10.1898
70 Bromoform	173	10.225	10.225	(0.885)	69453	10.0000	10.6886
71 Isopropylbenzene	105	10.407	10.417	(1.125)	479253	10.0000	10.1275
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	99961	10.0000	9.6808
74 1,1,2,2-Tetrachloroethane	83	10.721	10.731	(1.159)	98822	10.0000	9.7886
83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	260881	10.0000	9.8970
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	105831	5.00000	(Q)
86 1,4-Dichlorobenzene	146	11.572	11.561	(1.002)	267502	10.0000	9.7019
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	163048	10.0000	9.7082
89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	242170	10.0000	9.5668
90 1,2-Dibromo-3-chloropropane	75	12.443	12.442	(1.077)	23714	10.0000	10.7578
91 1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	235038	10.0000	10.1632
94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	209128	10.0000	10.0687
19 tert-butyl alcohol	59	2.468	2.478	(0.465)	161334	100.000	94.6807

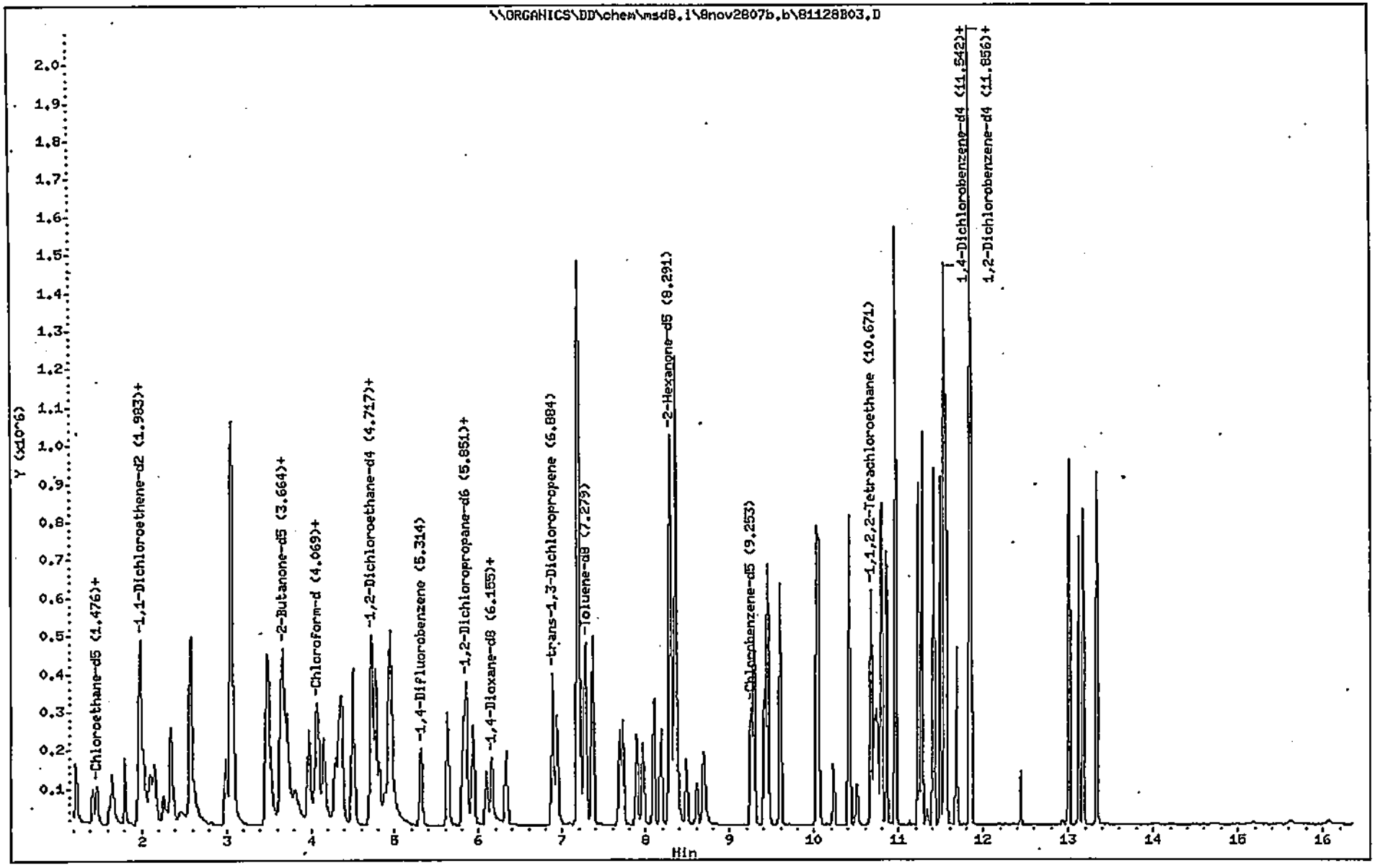
QC Flag Legend

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

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B03.D
Date : 28-NOV-2007 13:00
Client ID: VSTD01028
Sample Info: 8nov2807b.b, VSTD010
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B04.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD00528
Inj Date : 28-NOV-2007 13:21
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

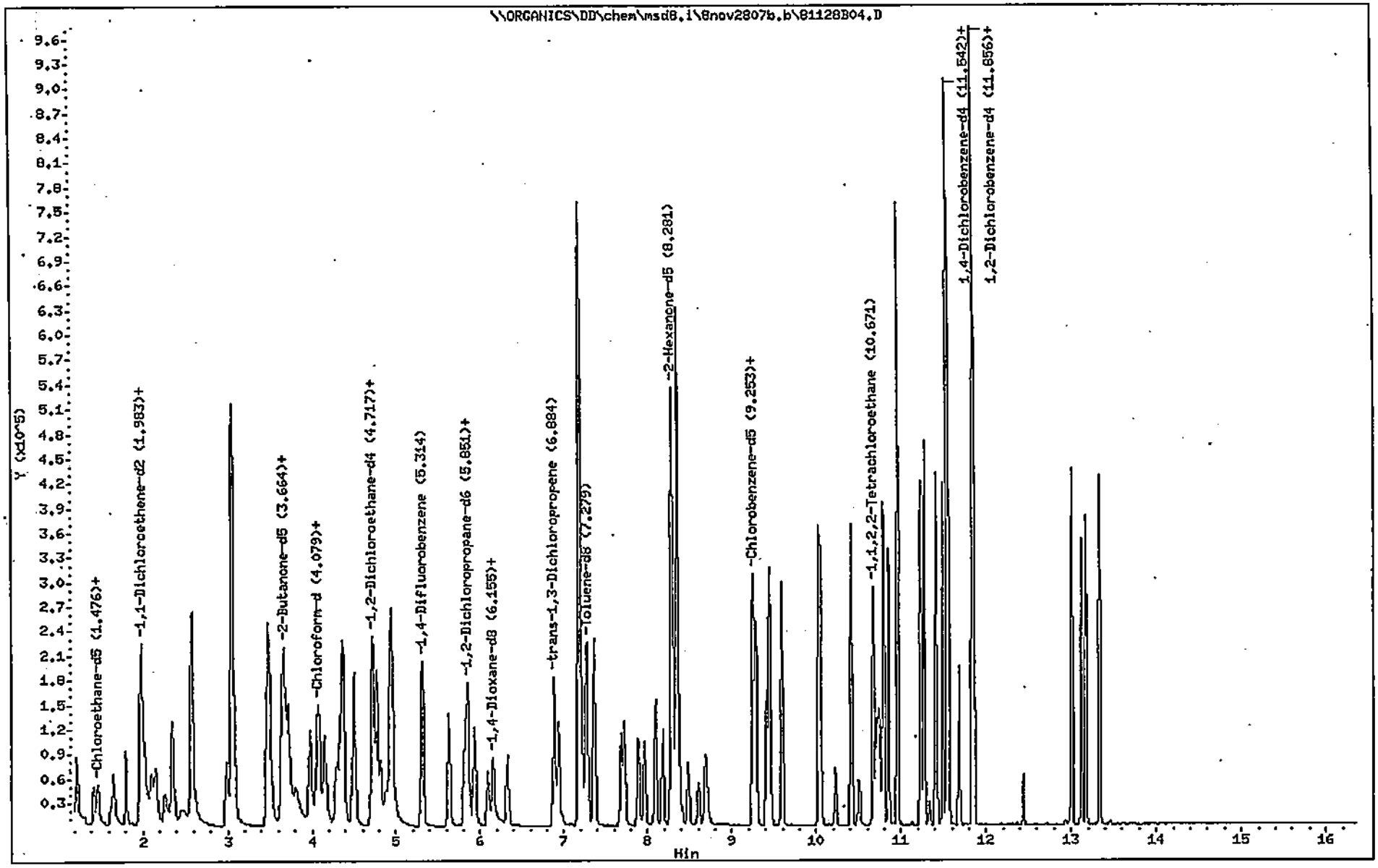
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.061	1.060	(0.200)	26165	5.00000	4.8783
2 Chloromethane	50	1.152	1.152	(0.217)	66794	5.00000	4.3512
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	15772	5.00000	4.2897
4 Vinyl Chloride	62	1.223	1.223	(0.230)	50925	5.00000	4.5054
5 Bromomethane	94	1.425	1.415	(0.268)	25144	5.00000	4.3409
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	17757	5.00000	4.3781
7 Chloroethane	64	1.476	1.476	(0.278)	26702	5.00000	4.2992
8 Trichlorofluoromethane	101	1.648	1.628	(0.310)	63594	5.00000	5.1383
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	101368	5.00000	4.6347
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	40880	5.00000	4.5935
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.982	(0.375)	43571	5.00000	4.9665
14 Acetone	43	2.023	2.033	(0.381)	197455	50.0000	49.8090
15 Carbon Disulfide	76	2.154	2.154	(0.405)	128475	5.00000	4.5451
16 Methyl Acetate	43	2.266	2.266	(0.426)	56041	5.00000	4.7808
17 Methylene Chloride	84	2.347	2.347	(0.442)	48424	5.00000	4.3266
20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	146583	5.00000	4.5047
21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	42253	5.00000	4.4353
23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	87160	5.00000	4.4908
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	319122	50.0000	49.2896
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	47044	5.00000	4.5166
28 2-Butanone	43	3.714	3.714	(0.699)	339011	50.0000	49.9554
29 Bromochloromethane	128	3.977	3.977	(0.748)	23487	5.00000	4.5400
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	89144	5.00000	4.5170
31 Chloroform	83	4.088	4.088	(0.769)	82360	5.00000	4.5279

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	68792	5.00000	4.5778
	32 Cyclohexane	56	4.342	4.352	(0.469)	98759	5.00000	4.7219
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	18634	5.00000	4.5733
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	56883	5.00000	4.3791
$	36 Benzene-d6	84	4.716	4.716	(0.510)	160986	5.00000	4.3618
	37 Benzene	78	4.767	4.767	(0.515)	167577	5.00000	4.4562
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	72714	5.00000	4.5330
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	179026	5.00000	
	42 Trichloroethene	95	5.628	5.627	(0.608)	48507	5.00000	4.5000
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	56793	5.00000	4.5928
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	84351	5.00000	4.9503
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	46872	5.00000	4.4425
$	46 1,4-Dioxane-d8	96	6.124	6.124	(1.152)	10470	250.000	246.9894
	47 1,4-Dioxane	88	6.184	6.184	(1.164)	17733	250.000	242.3697
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	58217	5.00000	4.5620
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	102429	5.00000	4.5649
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	71070	5.00000	4.6311
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	720509	50.0000	49.6684
$	52 Toluene-d8	98	7.278	7.268	(0.787)	152244	5.00000	4.4851
	53 Toluene	91	7.359	7.359	(0.795)	180512	5.00000	4.4863
	55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	69410	5.00000	4.6683
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	36136	5.00000	4.4742
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	43455	5.00000	4.7271
$	58 2-Hexanone-d5	63	8.281	8.291	(0.895)	217215	50.0000	50.4475
	60 2-Hexanone	43	8.352	8.351	(0.903)	551724	50.0000	50.1150
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	43344	5.00000	4.6355
	62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	40090	5.00000	4.5456
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	173157	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	122671	5.00000	4.4722
	65 Ethylbenzene	91	9.445	9.445	(1.021)	210063	5.00000	4.5126
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	83330	5.00000	4.5901
	68 o-Xylene	106	10.032	10.032	(1.084)	83536	5.00000	4.5831
	69 Styrene	104	10.053	10.053	(1.086)	140158	5.00000	4.6385
	70 Bromoform	173	10.225	10.225	(0.885)	30739	5.00000	4.6204
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	222938	5.00000	4.6562
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	46247	5.00000	4.4267
	74 1,1,2,2-Tetrachloroethane	83	10.721	10.731	(1.159)	45190	5.00000	4.4241
	83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	119972	5.00000	4.4453
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	108355	5.00000	
	86 1,4-Dichlorobenzene	146	11.562	11.561	(1.001)	124192	5.00000	4.3993
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	76266	5.00000	4.4352
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	113747	5.00000	4.3888
	90 1,2-Dibromo-3-chloropropane	75	12.443	12.442	(1.077)	10133	5.00000	4.4897
	91 1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	108885	5.00000	4.5986
	94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	95248	5.00000	4.4790
	19 tert-butyl alcohol	59	2.468	2.478	(0.465)	86591	50.0000	50.8078

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B04.D
Date : 28-NOV-2007 13:21
Client ID: VSTD00528
Sample Info: 8nov2807b.b, VSTD005
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B05.D
Lab Smp Id: VSTD001 Client Smp ID: VSTD00128
Inj Date : 28-NOV-2007 13:43
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD001
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:43 Cal File: 81128B05.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.061	1.060	(0.200)	5813	1.00000	1.0898
	2 Chloromethane	50	1.152	1.152	(0.217)	18478	1.00000	1.2102
$	3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	3817	1.00000	1.0438
	4 Vinyl Chloride	62	1.223	1.223	(0.230)	13025	1.00000	1.1586
	5 Bromomethane	94	1.425	1.415	(0.268)	7399	1.00000	1.2843
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	5106	1.00000	1.2657
	7 Chloroethane	64	1.476	1.476	(0.278)	7827	1.00000	1.2670
	8 Trichlorofluoromethane	101	1.648	1.628	(0.310)	13520	1.00000	1.0983
$	12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	24585	1.00000	1.1301
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	10219	1.00000	1.1545
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.982	(0.375)	8885	1.00000	1.0183
	14 Acetone	43	2.033	2.033	(0.383)	39875	10.0000	10.1134
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	32041	1.00000	1.1397
	16 Methyl Acetate	43	2.266	2.266	(0.426)	12167	1.00000	1.0436
	17 Methylene Chloride	84	2.347	2.347	(0.442)	13389	1.00000	1.2028
	20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	38058	1.00000	1.1759
	21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	11095	1.00000	1.1709
	23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	22576	1.00000	1.1695
$	25 2-Butanone-d5	46	3.643	3.643	(0.686)	64785	10.0000	10.0608
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	12456	1.00000	1.2024
	28 2-Butanone	43	3.714	3.714	(0.699)	67705	10.0000	10.0311
	29 Bromochloromethane	128	3.977	3.977	(0.748)	6112	1.00000	1.1879
$	30 Chloroform-d	84	4.058	4.068	(0.764)	22848	1.00000	1.1640
	31 Chloroform	83	4.088	4.088	(0.769)	21658	1.00000	1.1971

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	16445	1.00000	1.1221
32 Cyclohexane	56	4.341	4.352	(0.469)	22944	1.00000	1.1248
34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	4407	1.00000	1.1090
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	15905	1.00000	1.2311
$ 36 Benzene-d6	84	4.716	4.716	(0.510)	42927	1.00000	1.1925
37 Benzene	78	4.767	4.767	(0.515)	42526	1.00000	1.1595
39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	18403	1.00000	1.1535
* 41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	178056	5.00000	
42 Trichloroethene	95	5.628	5.627	(0.608)	12260	1.00000	1.1662
$ 44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	14200	1.00000	1.1775
43 Methylcyclohexane	83	5.850	5.850	(0.632)	17848	1.00000	1.0740
45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	12273	1.00000	1.1927
$ 46 1,4-Dioxane-d8	96	6.124	6.124	(1.152)	1582	40.0000	37.5230(QM)
47 1,4-Dioxane	88	6.195	6.184	(1.166)	2493	40.0000	34.2592(Q)
49 Bromodichloromethane	83	6.326	6.326	(0.684)	14146	1.00000	1.1366
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	25112	1.00000	1.1475
50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	17286	1.00000	1.1550
51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	145302	10.0000	10.2706
$ 52 Toluene-d8	98	7.278	7.268	(0.787)	38784	1.00000	1.1715
53 Toluene	91	7.359	7.359	(0.795)	45994	1.00000	1.1721
55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	16133	1.00000	1.1126
56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	9304	1.00000	1.1812
57 Tetrachloroethene	164	8.098	8.098	(0.875)	10143	1.00000	1.1313
$ 58 2-Hexanone-d5	63	8.281	8.291	(0.895)	42367	10.0000	10.0893
60 2-Hexanone	43	8.351	8.351	(0.903)	110882	10.0000	10.3274
61 Dibromochloromethane	129	8.483	8.483	(0.917)	10338	1.00000	1.1336
62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	9981	1.00000	1.1604
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	168871	5.00000	
64 Chlorobenzene	112	9.283	9.283	(1.003)	31709	1.00000	1.1853
65 Ethylbenzene	91	9.445	9.445	(1.021)	52554	1.00000	1.1576
67 m+p-Xylenes	106	9.597	9.597	(1.037)	20265	1.00000	1.1446
68 o-Xylene	106	10.032	10.032	(1.084)	20363	1.00000	1.1455
69 Styrene	104	10.053	10.053	(1.086)	33208	1.00000	1.1269
70 Bromoform	173	10.225	10.225	(0.885)	6865	1.00000	1.0552
71 Isopropylbenzene	105	10.417	10.417	(1.126)	53344	1.00000	1.1424
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	12209	1.00000	1.1982
74 1,1,2,2-Tetrachloroethane	83	10.721	10.731	(1.159)	11816	1.00000	1.1861
83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	30479	1.00000	1.1549
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	105957	5.00000	
86 1,4-Dichlorobenzene	146	11.562	11.561	(1.001)	32373	1.00000	1.1727
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	19869	1.00000	1.1816
89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	30351	1.00000	1.1975
90 1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	2361	1.00000	1.0697
91 1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	26449	1.00000	1.1423
94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	23966	1.00000	1.1525
19 tert-butyl alcohol	59	2.458	2.478	(0.463)	18718	10.0000	11.0427(QM)

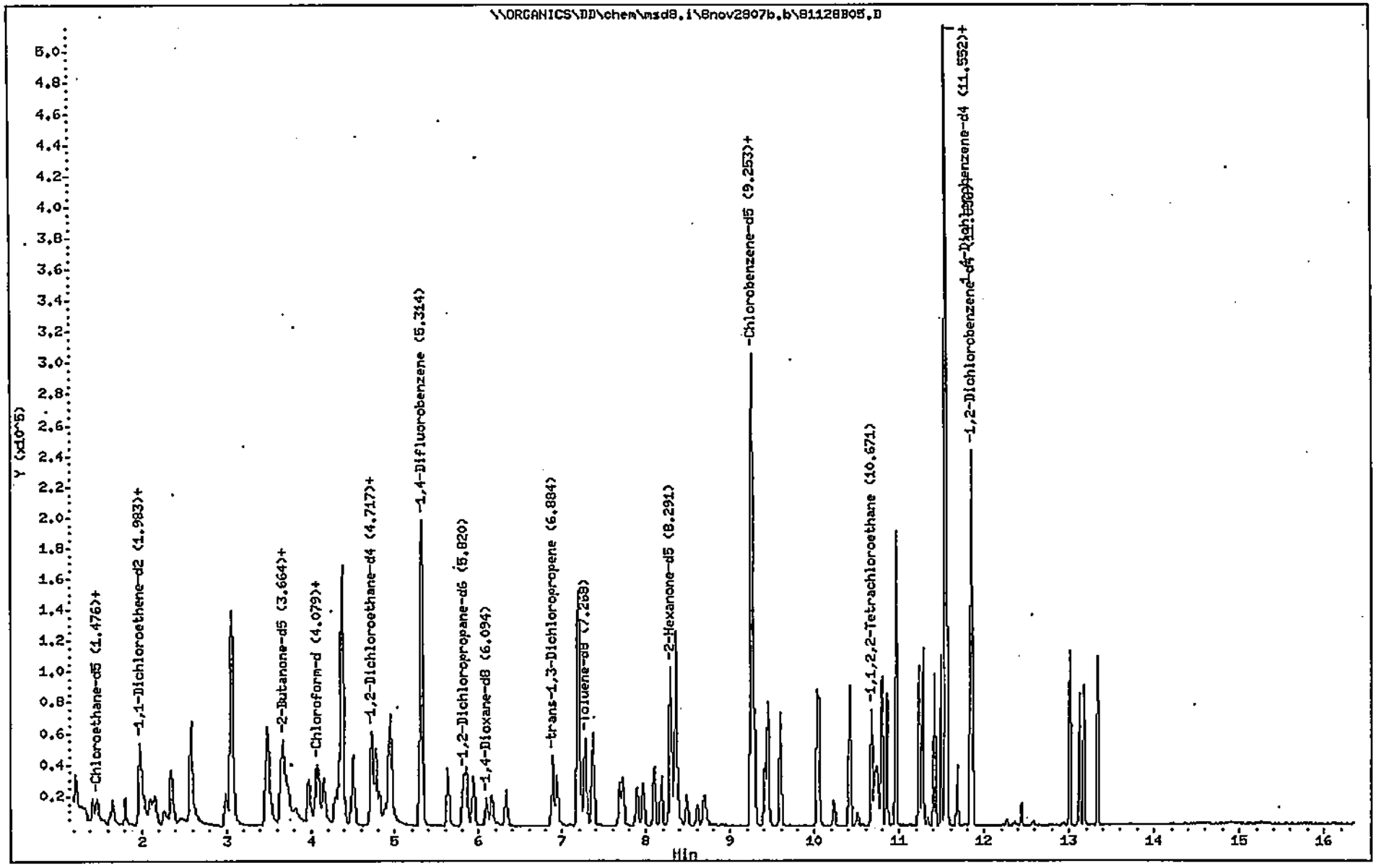
QC Flag Legend

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

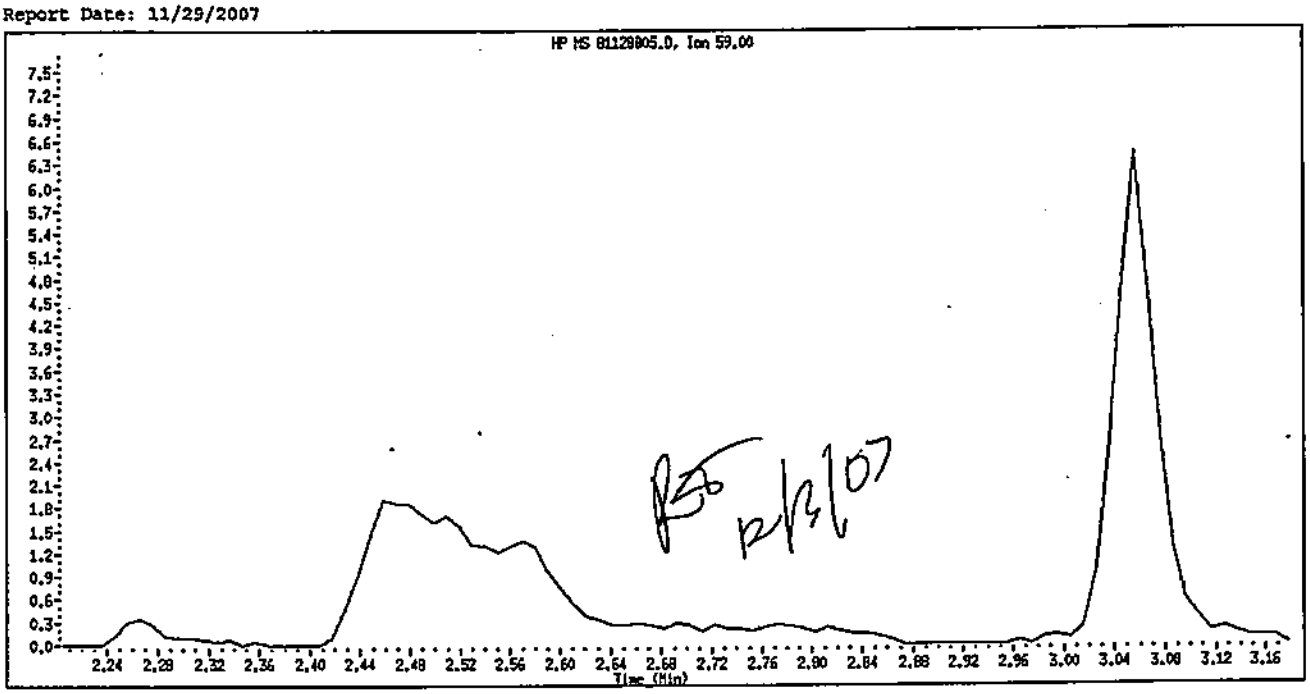
Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B05.D
Date : 28-NOV-2007 13:43
Client ID: VSTD00128
Sample Info: 8nov2807b.b, VSTD001
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

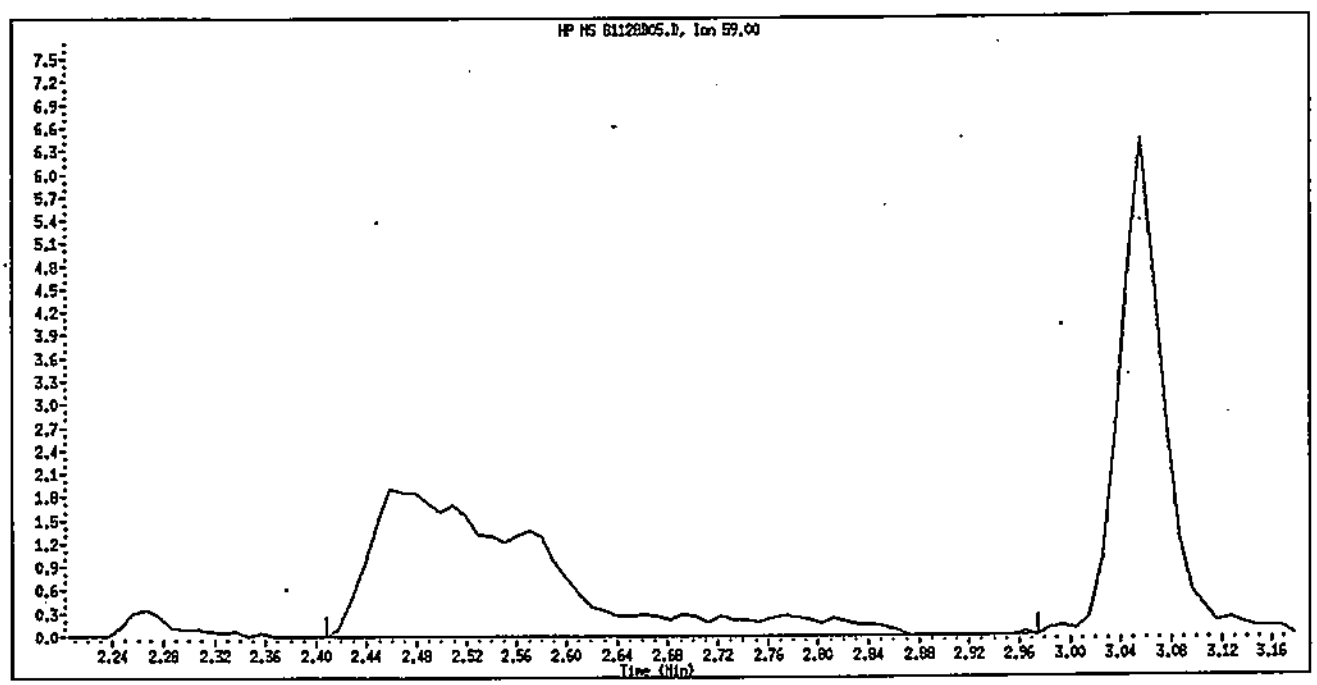
Operator: DLB
Column diameter: 0.18



Data File Name: 81128B05.D
Inj. Date and Time: 28-NOV-2007 13:43
Instrument ID: msd8.i
Client ID: VSTD00128
Compound Name: tert-butyl alcohol
CAS #: 75-65-0
Report Date: 11/29/2007



Original Integration



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B06.D
Lab Smp Id: VSTD0.5 Client Smp ID: VSTD0.528
Inj Date : 28-NOV-2007 14:05
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD0.5
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.060	1.060	(0.200)	2018	0.50000	0.3746(a)
2 Chloromethane	50	1.152	1.152	(0.217)	7952	0.50000	0.5157
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	2012	0.50000	0.5448
4 Vinyl Chloride	62	1.223	1.223	(0.230)	5285	0.50000	0.4655(a)
5 Bromomethane	94	1.415	1.415	(0.266)	3187	0.50000	0.5478
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	2343	0.50000	0.5751(M)
7 Chloroethane	64	1.476	1.476	(0.278)	3629	0.50000	0.5817
8 Trichlorofluoromethane	101	1.628	1.628	(0.306)	4220	0.50000	0.3394(a)
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	10072	0.50000	0.4585(a)
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	4081	0.50000	0.4565(a)
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.982	1.982	(0.373)	4039	0.50000	0.4584(a)
14 Acetone	43	2.033	2.033	(0.383)	20161	5.00000	5.0637
15 Carbon Disulfide	76	2.154	2.154	(0.405)	13242	0.50000	0.4664(a)
16 Methyl Acetate	43	2.266	2.266	(0.426)	6384	0.50000	0.5422
17 Methylene Chloride	84	2.347	2.347	(0.442)	6306	0.50000	0.5610
20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	15330	0.50000	0.4690(a)
21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	4776	0.50000	0.4991(a)
23 1,1-Dichloroethane	63	2.984	2.984	(0.562)	9477	0.50000	0.4861(a)
$ 25 2-Butanone-d5	46	3.643	3.643	(0.686)	31289	5.00000	4.8118
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	5014	0.50000	0.4753(a)
28 2-Butanone	43	3.714	3.714	(0.699)	33838	5.00000	4.9646(a)
29 Bromochloromethane	128	3.977	3.977	(0.748)	2552	0.50000	0.4911(a)
$ 30 Chloroform-d	84	4.068	4.068	(0.766)	9621	0.50000	0.4854(a)
31 Chloroform	83	4.088	4.088	(0.769)	8835	0.50000	0.4836(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	6665	0.50000	0.4483(a)
32 Cyclohexane	56	4.352	4.352	(0.470)	9718	0.50000	0.4696(aQ)
34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	1608	0.50000	0.3989(aQ)
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	6666	0.50000	0.5109
$ 36 Benzene-d6	84	4.716	4.716	(0.510)	18100	0.50000	0.4957(a)
37 Benzene	78	4.767	4.767	(0.515)	18344	0.50000	0.4930(a)
39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	7873	0.50000	0.4886(a)
* 41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	179803	5.00000	
42 Trichloroethene	95	5.627	5.627	(0.608)	5308	0.50000	0.4977(a)
$ 44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	5666	0.50000	0.4631(a)
43 Methylcyclohexane	83	5.850	5.850	(0.632)	6460	0.50000	0.3832(a)
45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	5078	0.50000	0.4865(aM)
$ 46 1,4-Dioxane-d8	96	6.124	6.124	(1.152)	554	20.0000	13.0124(TQ)
47 1,4-Dioxane	88	6.184	6.184	(1.164)	1098	20.0000	14.9423(a)
49 Bromodichloromethane	83	6.326	6.326	(0.684)	5622	0.50000	0.4453(aM)
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	9682	0.50000	0.4361(a)
50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	6584	0.50000	0.4336(a)
51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	70094	5.00000	4.8843(a)
$ 52 Toluene-d8	98	7.268	7.268	(0.786)	16333	0.50000	0.4863(a)
53 Toluene	91	7.359	7.359	(0.795)	19266	0.50000	0.4843(a)
55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	6306	0.50000	0.4287(a)
56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	3923	0.50000	0.4909(a)
57 Tetrachloroethene	164	8.098	8.098	(0.875)	4076	0.50000	0.4482(a)
$ 58 2-Hexanone-d5	63	8.291	8.291	(0.896)	19665	5.00000	4.6166
60 2-Hexanone	43	8.351	8.351	(0.903)	53021	5.00000	4.8682(a)
61 Dibromochloromethane	129	8.483	8.483	(0.917)	3768	0.50000	0.4073(a)
62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	4177	0.50000	0.4787(a)
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	171300	5.00000	
64 Chlorobenzene	112	9.283	9.283	(1.003)	13294	0.50000	0.4899(a)
65 Ethylbenzene	91	9.445	9.445	(1.021)	21981	0.50000	0.4773(a)
67 m+p-Xylenes	106	9.597	9.597	(1.037)	8354	0.50000	0.4651(a)
68 o-Xylene	106	10.032	10.032	(1.084)	8768	0.50000	0.4862(a)
69 Styrene	104	10.053	10.053	(1.086)	13290	0.50000	0.4445(a)
70 Bromoform	173	10.225	10.225	(0.885)	2530	0.50000	0.3927(a)
71 Isopropylbenzene	105	10.417	10.417	(1.126)	21324	0.50000	0.4502(a)
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	4805	0.50000	0.4649(a)
74 1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.160)	4579	0.50000	0.4531(a)
83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	13056	0.50000	0.4995(a)
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	104930	5.00000	
86 1,4-Dichlorobenzene	146	11.561	11.561	(1.001)	13752	0.50000	0.5030
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	8286	0.50000	0.4976(a)
89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	12927	0.50000	0.5150
90 1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	895	0.50000	0.4095(a)
91 1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	10396	0.50000	0.4533(a)
94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	9695	0.50000	0.4707(a)
19 tert-butyl alcohol	59	2.478	2.478	(0.466)	7657	5.00000	4.4733(aM)

12/3/07

12/3/07

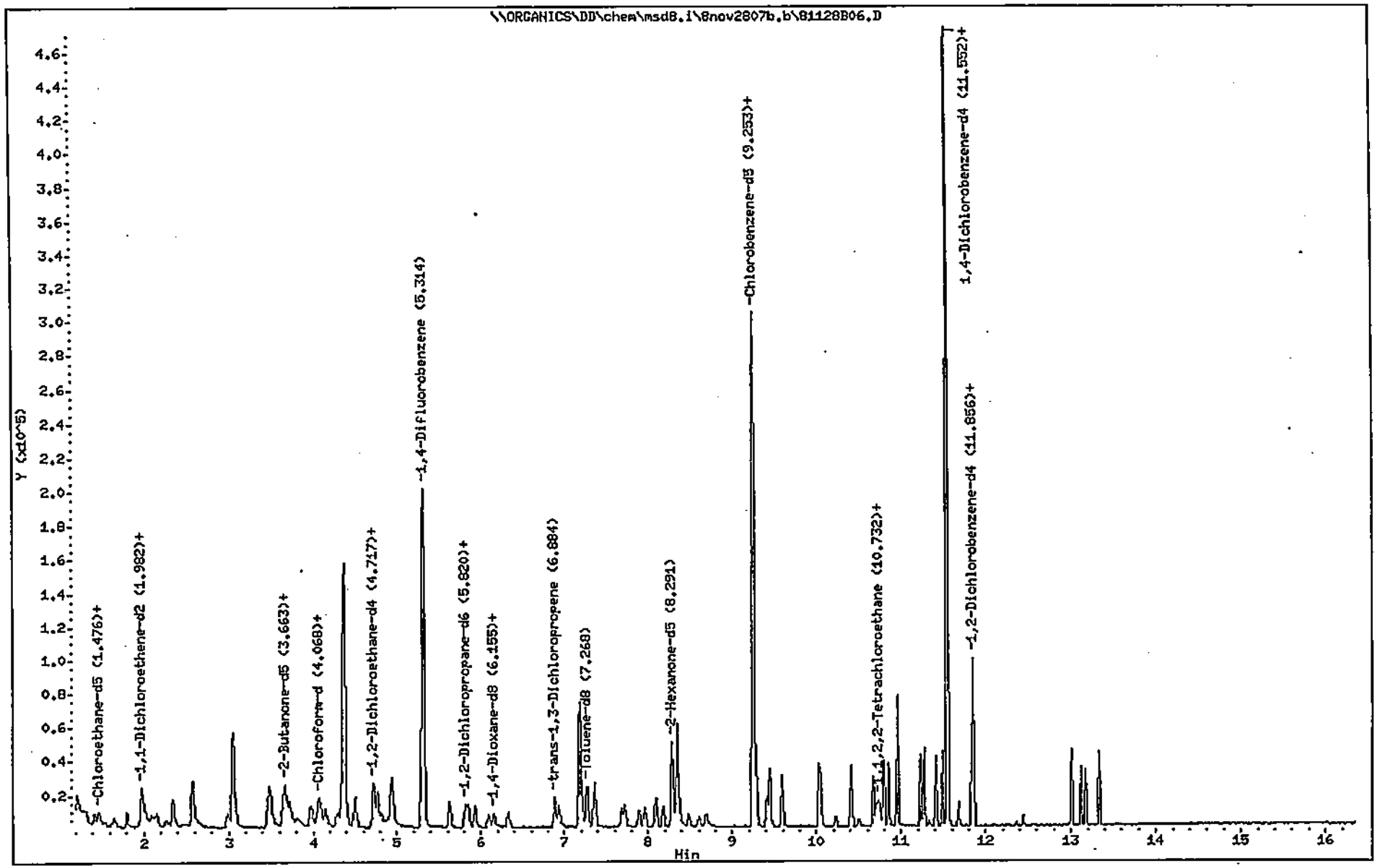
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

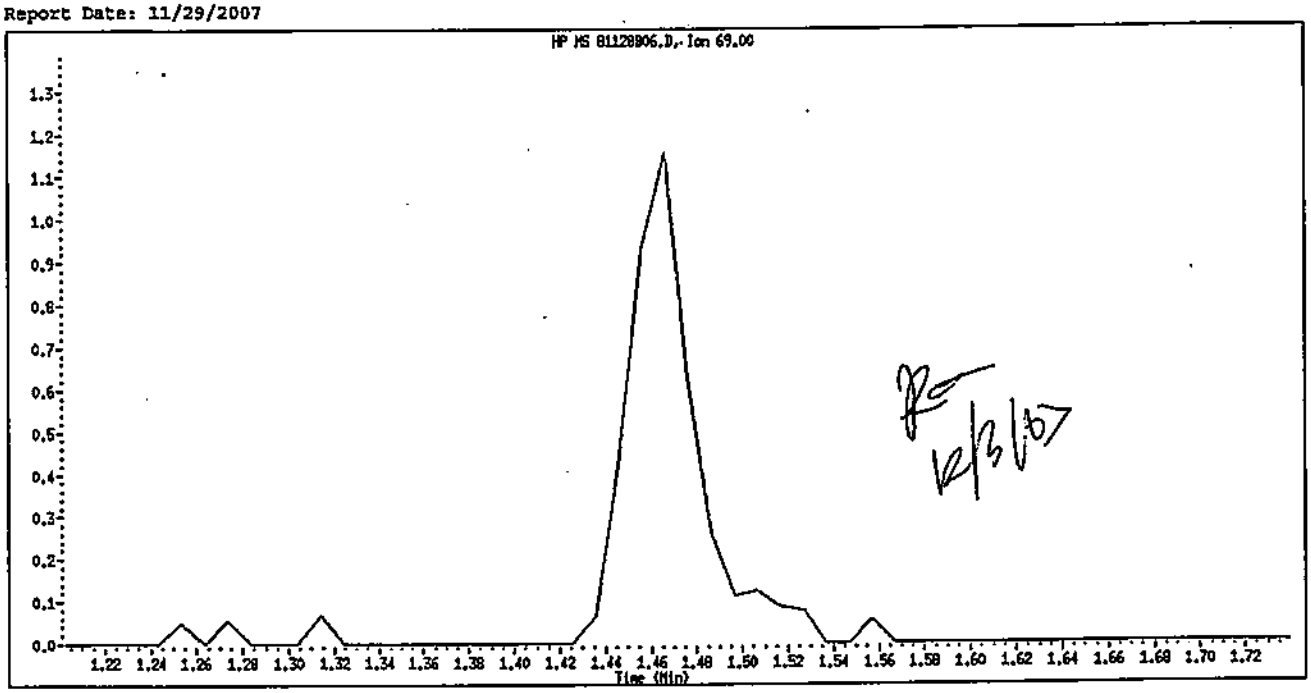
Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B06.D
Date : 28-NOV-2007 14:05
Client ID: VSTD0.528
Sample Info: 8nov2807b.b, VSTD0.5
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

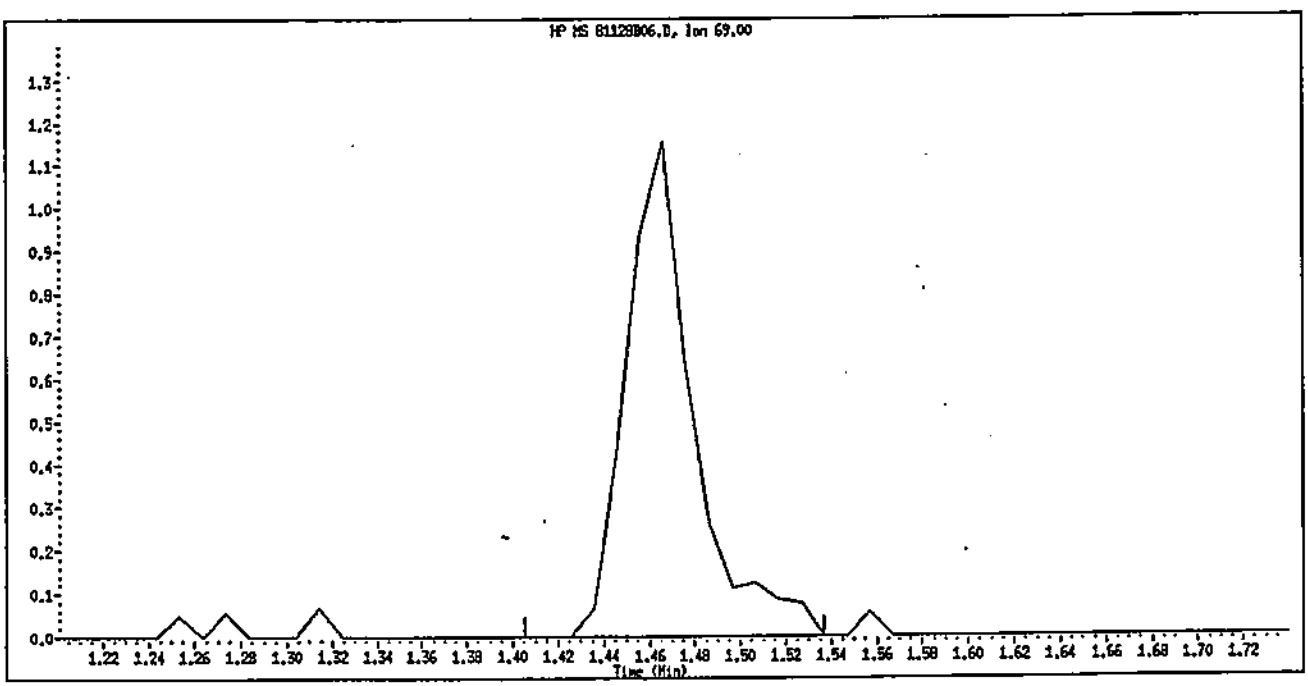
Operator: DLB
Column diameter: 0.18



Data File Name: 81128B06.D
Inj. Date and Time: 28-NOV-2007 14:05
Instrument ID: msd8.i
Client ID: VSTD0.528
Compound Name: Chloroethane-d5
CAS #: 19199-91-8
Report Date: 11/29/2007



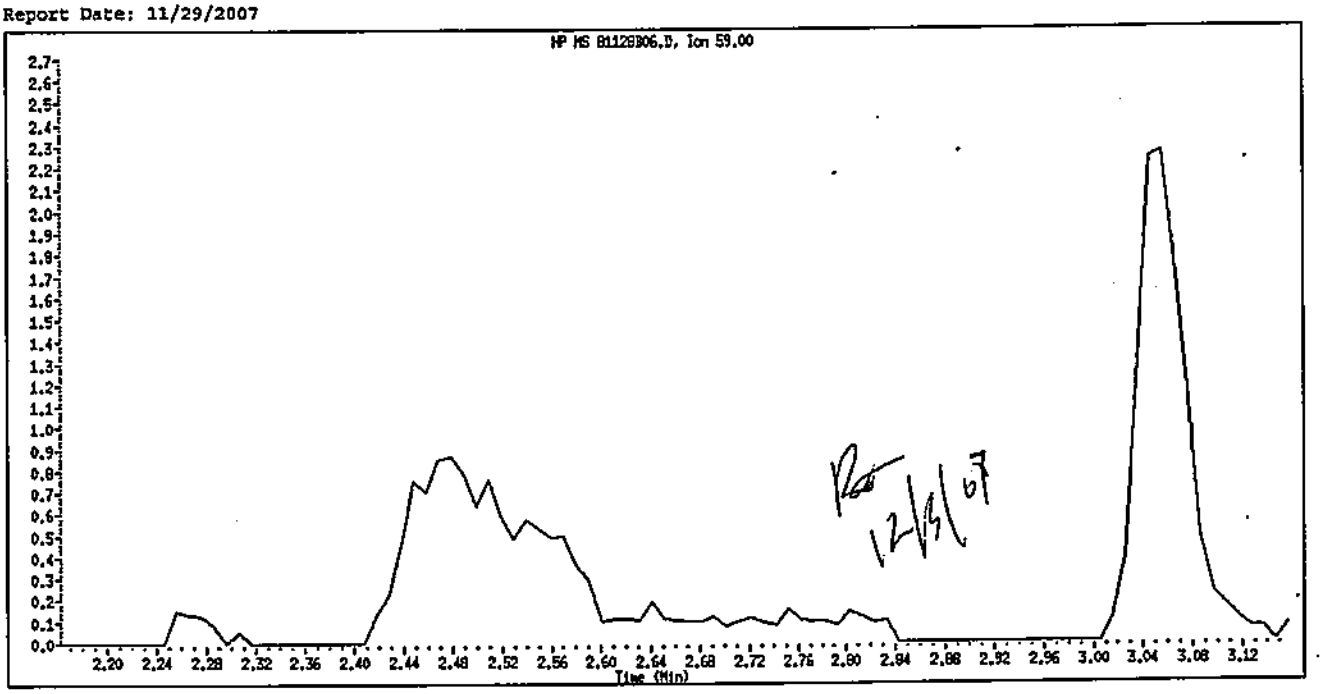
Original Integration



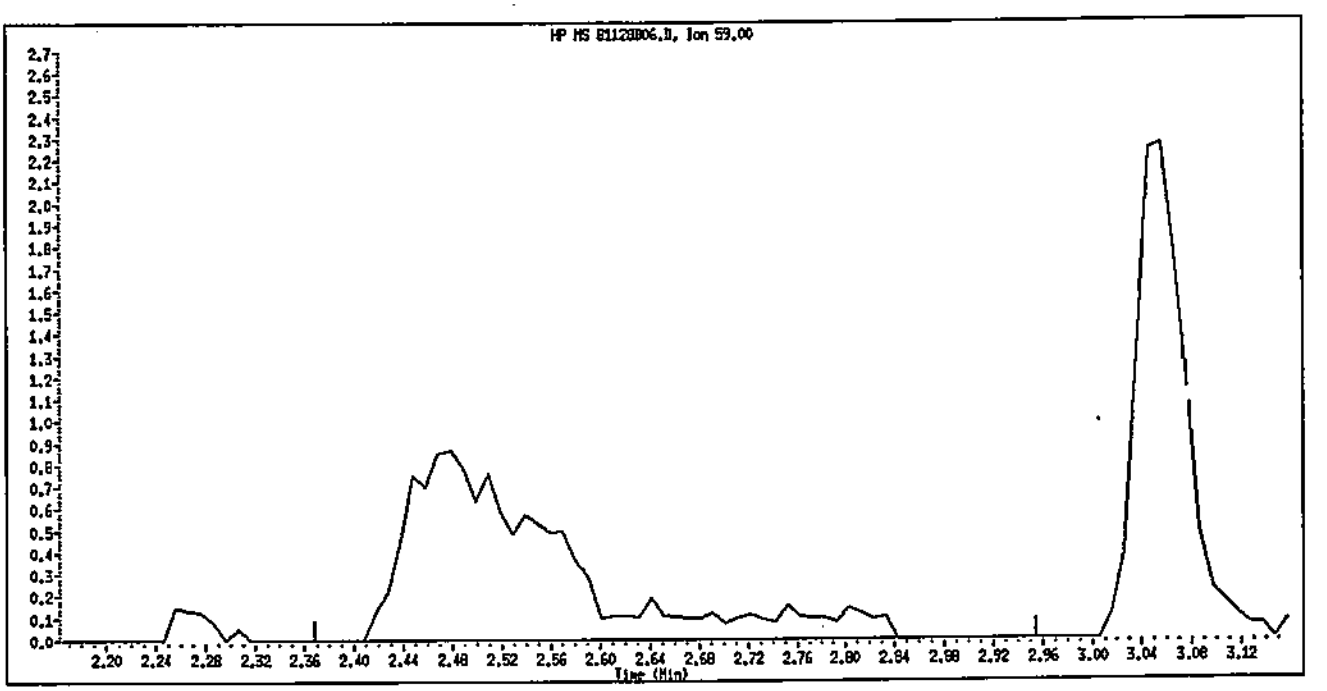
Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

Data File Name: 81128B06.D
Inj. Date and Time: 28-NOV-2007 14:05
Instrument ID: msd8.i
Client ID: VSTD0.528
Compound Name: tert-butyl alcohol
CAS #: 75-65-0
Report Date: 11/29/2007



Original Integration



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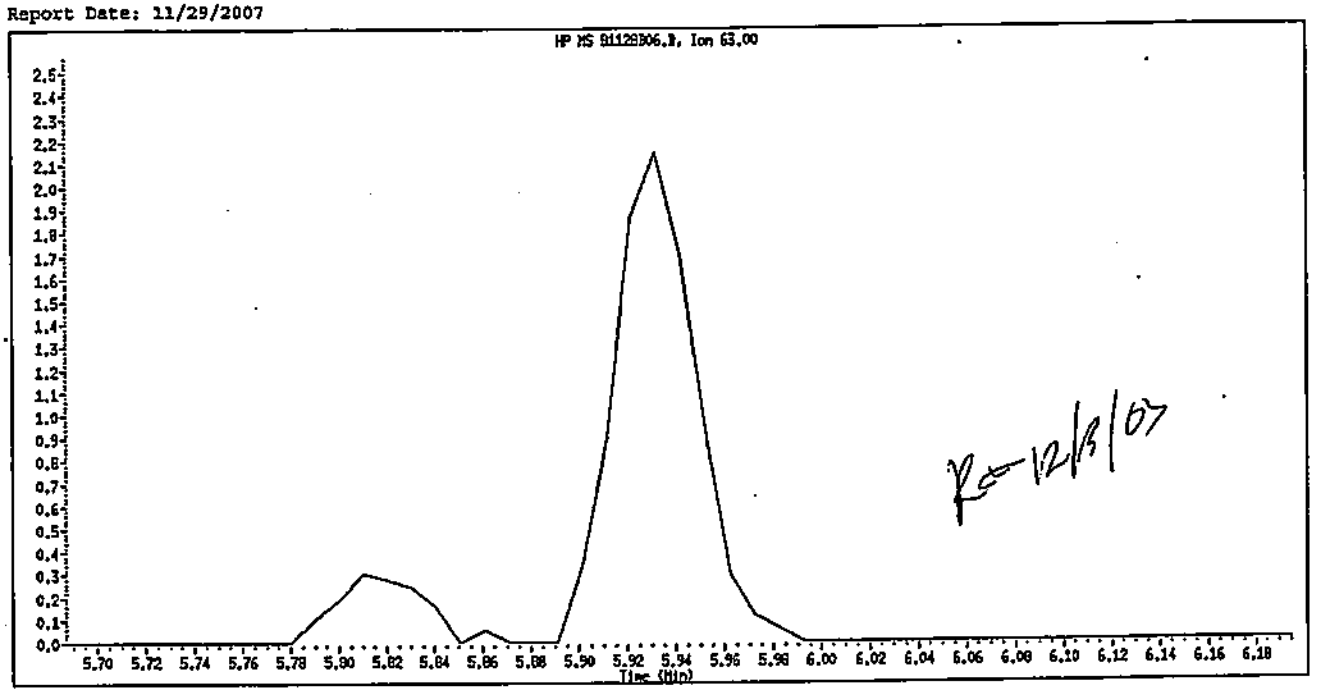
Manually Integrated By: DLB
Manual Integration Reason: Unknown

Data File Name: 81128B06.D
Inj. Date and Time: 28-NOV-2007 14:05
Instrument ID: msd8.i
Client ID: VSTD0.528
Compound Name: 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 11/29/2007



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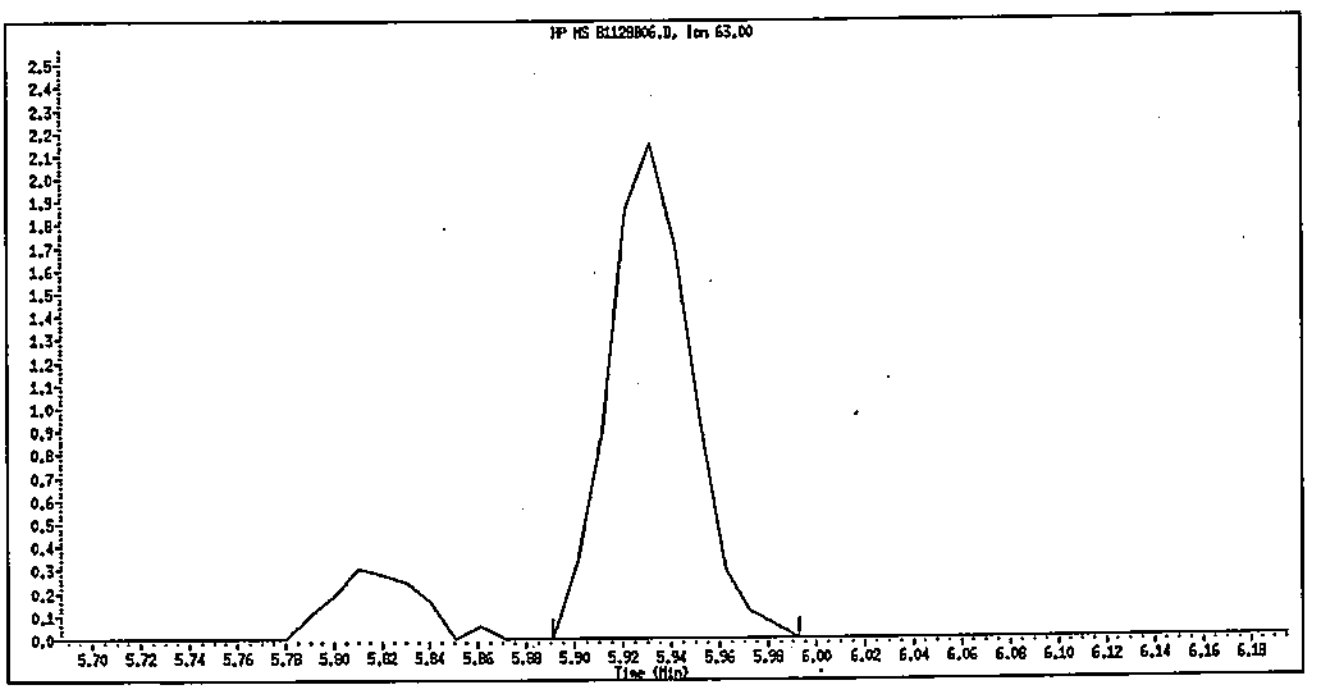
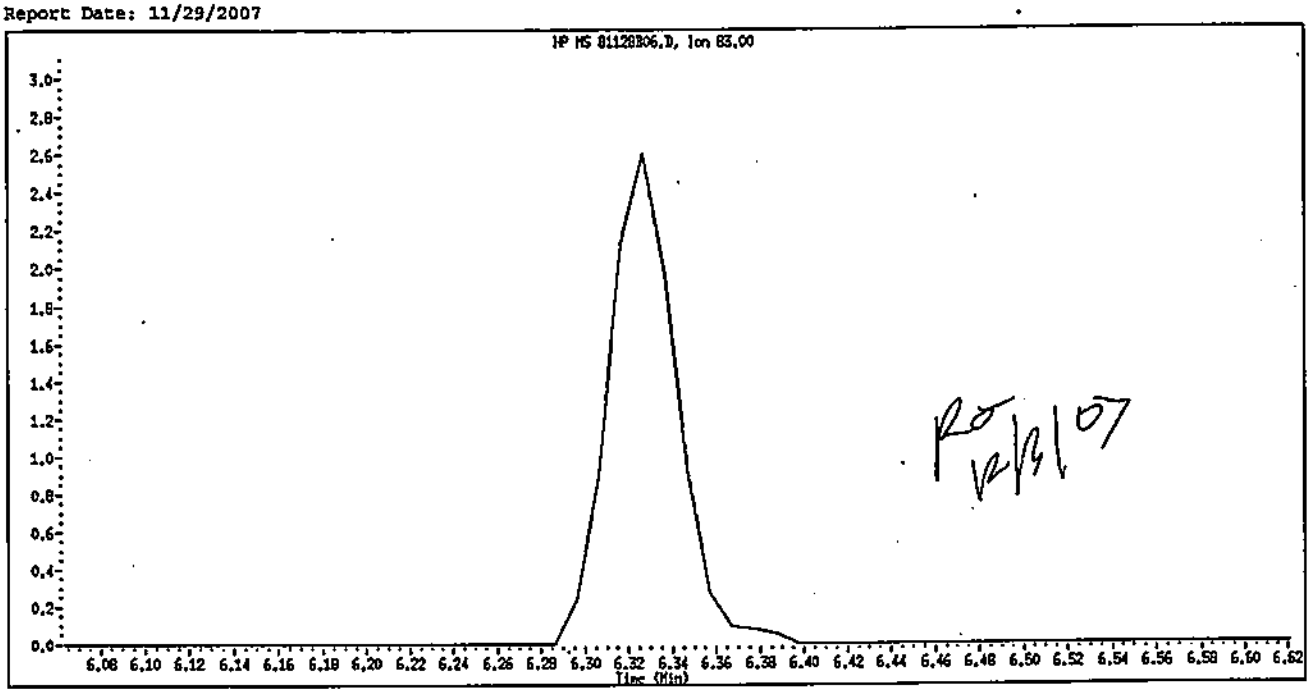


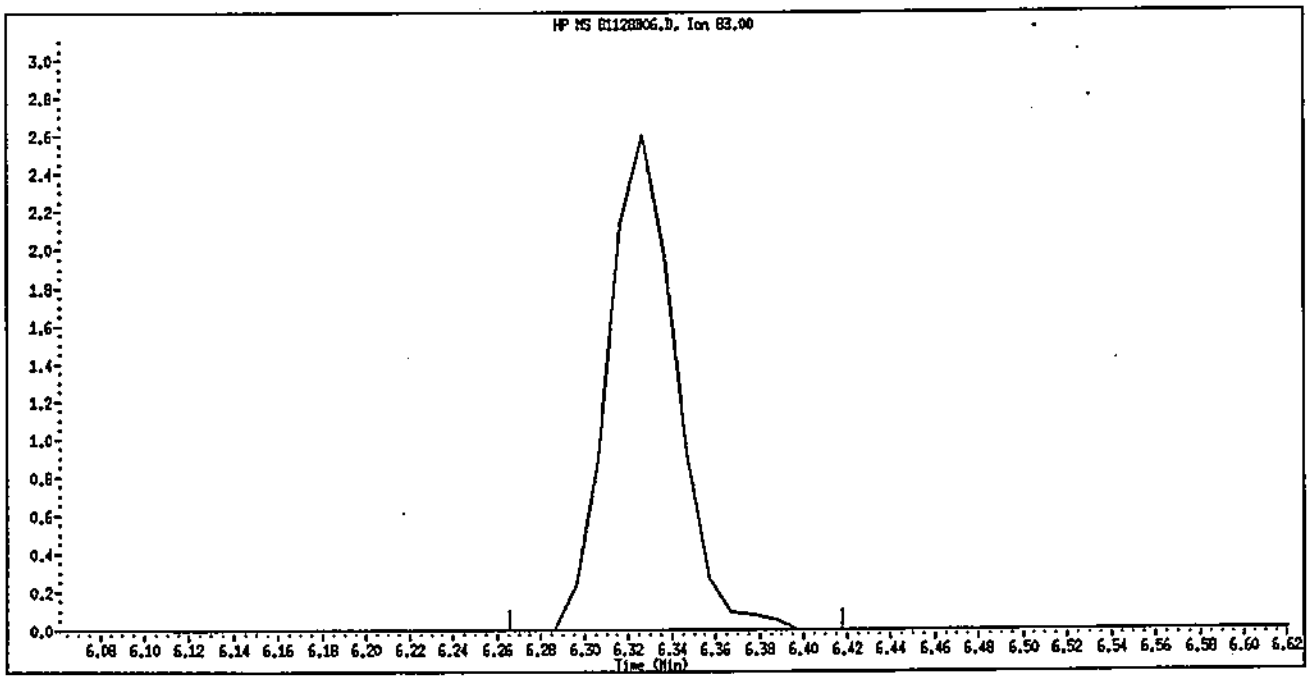
Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

Data File Name: 81128B06.D
Inj. Date and Time: 28-NOV-2007 14:05
Instrument ID: msd8.i
Client ID: VSTD0.528
Compound Name: Bromodichloromethane
CAS #: 75-27-4
Report Date: 11/29/2007



Original Integration



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 1321

Lab File ID: 81128B04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00528 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.1498	0.1462	0.0100	-2.4	40.0
Chloromethane	0.4287	0.3731	0.0100	-13.0	40.0
Vinyl chloride	0.3157	0.2845	0.1000	-9.9	30.0
Bromomethane	0.1618	0.1404	0.1000	-13.2	30.0
Chloroethane	0.1735	0.1492	0.0100	-14.0	40.0
Trichlorofluoromethane	0.3457	0.3552	0.0100	2.8	40.0
1,1-Dichloroethene	0.2485	0.2283	0.1000	-8.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2450	0.2434	0.0100	-0.7	40.0
Acetone	0.1107	0.1103	0.0100	-0.4	40.0
Carbon Disulfide	0.7894	0.7176	0.0100	-9.1	40.0
Methyl acetate	0.3274	0.3130	0.0100	-4.4	40.0
Methylene chloride	0.3126	0.2705	0.0100	-13.5	40.0
trans-1,2-Dichloroethene	0.2661	0.2360	0.0100	-11.3	40.0
Methyl tert-butyl ether	0.9088	0.8188	0.0100	-9.9	40.0
1,1-Dichloroethane	0.5421	0.4869	0.2000	-10.2	30.0
cis-1,2-Dichloroethene	0.2909	0.2628	0.0100	-9.7	40.0
2-Butanone	0.1895	0.1894	0.0100	-0.1	40.0
Bromochloromethane	0.1445	0.1312	0.0500	-9.2	30.0
Chloroform	0.5080	0.4600	0.2000	-9.4	30.0
1,1,1-Trichloroethane	0.4339	0.3973	0.1000	-8.4	30.0
Cyclohexane	0.6039	0.5703	0.0100	-5.6	40.0
Carbon tetrachloride	0.1177	0.1076	0.1000	-8.5	30.0
Benzene	1.0859	0.9678	0.4000	-10.9	30.0
1,2-Dichloroethane	0.4480	0.4062	0.1000	-9.3	30.0
Trichloroethene	0.3113	0.2801	0.3000	-10.0	30.0
Methylcyclohexane	0.4920	0.4871	0.0100	-1.0	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 1321

Lab File ID: 81128B04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00528 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3047	0.2707	0.0100	-11.1	40.0
Bromodichloromethane	0.3685	0.3362	0.2000	-8.8	30.0
cis-1,3-Dichloropropene	0.4431	0.4104	0.2000	-7.4	30.0
4-Methyl-2-pentanone	0.4189	0.4161	0.0100	-0.7	40.0
Toluene	1.1618	1.0425	0.4000	-10.3	30.0
trans-1,3-Dichloropropene	0.4293	0.4009	0.1000	-6.6	30.0
1,1,2-Trichloroethane	0.2332	0.2087	0.1000	-10.5	30.0
Tetrachloroethene	0.2654	0.2510	0.1000	-5.5	30.0
2-Hexanone	0.3179	0.3186	0.0100	0.2	40.0
Dibromochloromethane	0.2700	0.2503	0.1000	-7.3	30.0
1,2-Dibromoethane	0.2547	0.2315	0.0100	-9.1	40.0
Chlorobenzene	0.7920	0.7084	0.5000	-10.6	30.0
Ethylbenzene	1.3442	1.2131	0.1000	-9.7	30.0
o-Xylene	0.5263	0.4824	0.3000	-8.3	30.0
m,p-Xylene	0.5242	0.4812	0.3000	-8.2	30.0
Styrene	0.8725	0.8094	0.3000	-7.2	30.0
Bromoform	0.3070	0.2837	0.0500	-7.6	30.0
Isopropylbenzene	1.3825	1.2875	0.0100	-6.9	40.0
1,1,2,2-Tetrachloroethane	0.2949	0.2610	0.1000	-11.5	30.0
1,3-Dichlorobenzene	1.2454	1.1072	0.4000	-11.1	30.0
1,4-Dichlorobenzene	1.3026	1.1462	0.4000	-12.0	30.0
1,2-Dichlorobenzene	1.1959	1.0498	0.4000	-12.2	30.0
1,2-Dibromo-3-chloropropane	0.1041	0.0935	0.0100	-10.2	40.0
1,2,4-Trichlorobenzene	1.0926	1.0049	0.2000	-8.0	30.0
1,2,3-Trichlorobenzene	0.9813	0.8790	0.2000	-10.4	30.0

7C - FORM VII VOA-3 MODIFIED
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 1321

Lab File ID: 81128B04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00528 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.1027	0.0881	0.0100	-14.2	30.0
Chloroethane-d5	0.1133	0.0992	0.0100	-12.4	40.0
1,1-Dichloroethene-d2	0.6108	0.5662	0.0100	-7.3	30.0
2-Butanone-d5	0.1808	0.1783	0.0100	-1.4	40.0
Chloroform-d	0.5512	0.4979	0.0100	-9.7	30.0
1,2-Dichloroethane-d4	0.3628	0.3177	0.0100	-12.4	30.0
Benzene-d6	1.0657	0.9297	0.0100	-12.8	30.0
1,2-Dichloropropane-d6	0.3571	0.3280	0.0100	-8.1	40.0
Toluene-d8	0.9802	0.8792	0.0100	-10.3	30.0
trans-1,3-Dichloropropene-d4	0.6479	0.5915	0.0100	-8.7	30.0
2-Hexanone-d5	0.1243	0.1254	0.0100	0.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.3017	0.2671	0.0100	-11.5	30.0
1,2-Dichlorobenzene-d4	0.7935	0.7039	0.0100	-11.3	30.0
tertiary butyl alcohol	0.0476	0.0484	0.0100	1.6	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B04.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD00528
Inj Date : 28-NOV-2007 13:21
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, VSTD005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:21 Cal File: 81128B04.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

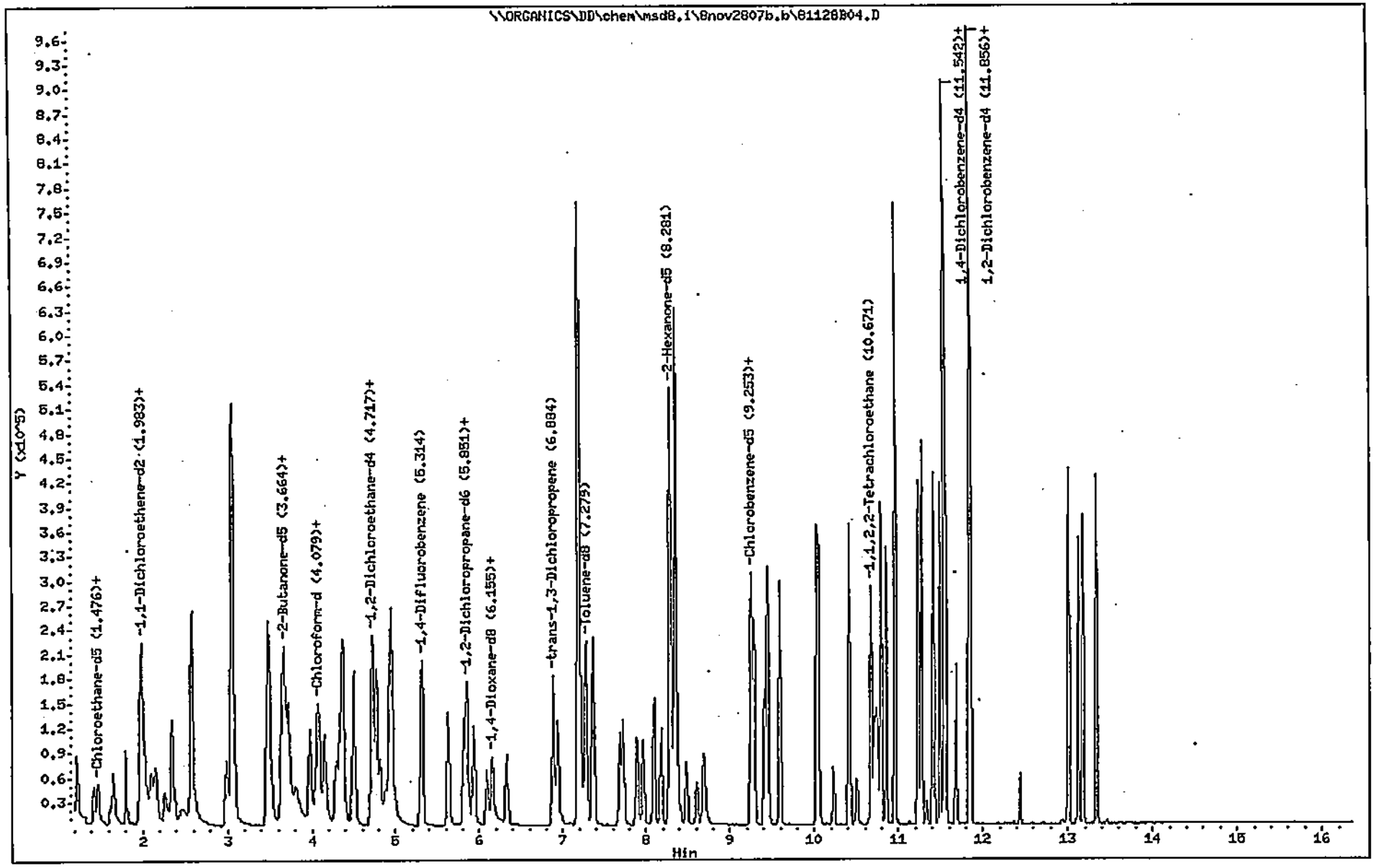
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.061	1.060	(0.200)	26165	5.00000	4.8788
2 Chloromethane	50	1.152	1.152	(0.217)	66794	5.00000	4.3512
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	15772	5.00000	4.2897
4 Vinyl Chloride	62	1.223	1.223	(0.230)	50925	5.00000	4.5054
5 Bromomethane	94	1.425	1.415	(0.268)	25144	5.00000	4.3409
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	17757	5.00000	4.3781
7 Chloroethane	64	1.476	1.476	(0.278)	26702	5.00000	4.2992
8 Trichlorofluoromethane	101	1.648	1.628	(0.310)	63594	5.00000	5.1383
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	101368	5.00000	4.6347
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	40880	5.00000	4.5935
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.982	(0.375)	43571	5.00000	4.9665
14 Acetone	43	2.023	2.033	(0.381)	197455	50.0000	49.8090
15 Carbon Disulfide	76	2.154	2.154	(0.405)	128475	5.00000	4.5451
16 Methyl Acetate	43	2.266	2.266	(0.426)	56041	5.00000	4.7808
17 Methylene Chloride	84	2.347	2.347	(0.442)	48424	5.00000	4.3266
20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	146583	5.00000	4.5047
21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	42253	5.00000	4.4353
23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	87160	5.00000	4.4908
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	319122	50.0000	49.2896
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	47044	5.00000	4.5166
28 2-Butanone	43	3.714	3.714	(0.699)	339011	50.0000	49.9554
29 Bromochloromethane	128	3.977	3.977	(0.748)	23487	5.00000	4.5400
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	89144	5.00000	4.5170
31 Chloroform	83	4.088	4.088	(0.769)	82360	5.00000	4.5279

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	68792	5.00000	4.5778
	32 Cyclohexane	56	4.342	4.352	(0.469)	98759	5.00000	4.7219
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	18634	5.00000	4.5733
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	56883	5.00000	4.3791
$	36 Benzene-d6	84	4.716	4.716	(0.510)	160986	5.00000	4.3618
	37 Benzene	78	4.767	4.767	(0.515)	167577	5.00000	4.4562
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	72714	5.00000	4.5330
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	179026	5.00000	
	42 Trichloroethene	95	5.628	5.627	(0.608)	48507	5.00000	4.5000
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	56793	5.00000	4.5928
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	84351	5.00000	4.9503
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	46872	5.00000	4.4425
$	46 1,4-Dioxane-d8	96	6.124	6.124	(1.152)	10470	250.000	246.9894
	47 1,4-Dioxane	88	6.184	6.184	(1.164)	17733	250.000	242.3697
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	58217	5.00000	4.5620
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	102429	5.00000	4.5649
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	71070	5.00000	4.6311
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	720509	50.0000	49.6684
$	52 Toluene-d8	98	7.278	7.268	(0.787)	152244	5.00000	4.4851
	53 Toluene	91	7.359	7.359	(0.795)	180512	5.00000	4.4863
	55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	69410	5.00000	4.6683
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	36136	5.00000	4.4742
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	43455	5.00000	4.7271
$	58 2-Hexanone-d5	63	8.281	8.291	(0.895)	217215	50.0000	50.4475
	60 2-Hexanone	43	8.352	8.351	(0.903)	551724	50.0000	50.1150
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	43344	5.00000	4.6355
	62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	40090	5.00000	4.5456
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	173157	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	122671	5.00000	4.4722
	65 Ethylbenzene	91	9.445	9.445	(1.021)	210063	5.00000	4.5126
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	83330	5.00000	4.5901
	68 o-Xylene	106	10.032	10.032	(1.084)	83536	5.00000	4.5831
	69 Styrene	104	10.053	10.053	(1.086)	140158	5.00000	4.6385
	70 Bromoform	173	10.225	10.225	(0.885)	30739	5.00000	4.6204
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	222938	5.00000	4.6562
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	46247	5.00000	4.4267
	74 1,1,2,2-Tetrachloroethane	83	10.721	10.731	(1.159)	45190	5.00000	4.4241
	83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	119972	5.00000	4.4453
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	108355	5.00000	
	86 1,4-Dichlorobenzene	146	11.562	11.561	(1.001)	124192	5.00000	4.3993
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	76266	5.00000	4.4352
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	113747	5.00000	4.3888
	90 1,2-Dibromo-3-chloropropane	75	12.443	12.442	(1.077)	10133	5.00000	4.4897
	91 1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	108885	5.00000	4.5986
	94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	95248	5.00000	4.4790
	19 tert-butyl alcohol	59	2.468	2.478	(0.465)	86591	50.0000	50.8078

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B04.D
Date : 28-NOV-2007 13:21
Client ID: VSTD00528
Sample Info: 8nov2807b.b, VSTD005
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 2035

Lab File ID: 81128B15 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0058B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.1498	0.1651	0.0100	10.2	40.0
Chloromethane	0.4287	0.3498	0.0100	-18.4	40.0
Vinyl chloride	0.3157	0.2868	0.1000	-9.2	30.0
Bromomethane	0.1618	0.1325	0.1000	-18.1	30.0
Chloroethane	0.1735	0.1483	0.0100	-14.5	40.0
Trichlorofluoromethane	0.3457	0.3478	0.0100	0.6	40.0
1,1-Dichloroethene	0.2485	0.2501	0.1000	0.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2450	0.2580	0.0100	5.3	40.0
Acetone	0.1107	0.1053	0.0100	-4.9	40.0
Carbon Disulfide	0.7894	0.6804	0.0100	-13.8	40.0
Methyl acetate	0.3274	0.2703	0.0100	-17.4	40.0
Methylene chloride	0.3126	0.2842	0.0100	-9.1	40.0
trans-1,2-Dichloroethene	0.2661	0.2406	0.0100	-9.6	40.0
Methyl tert-butyl ether	0.9088	0.8112	0.0100	-10.7	40.0
1,1-Dichloroethane	0.5421	0.4908	0.2000	-9.5	30.0
cis-1,2-Dichloroethene	0.2909	0.2637	0.0100	-9.4	40.0
2-Butanone	0.1895	0.1802	0.0100	-4.9	40.0
Bromochloromethane	0.1445	0.1291	0.0500	-10.6	30.0
Chloroform	0.5080	0.4725	0.2000	-7.0	30.0
1,1,1-Trichloroethane	0.4339	0.3828	0.1000	-11.8	30.0
Cyclohexane	0.6039	0.5537	0.0100	-8.3	40.0
Carbon tetrachloride	0.1177	0.1089	0.1000	-7.5	30.0
Benzene	1.0859	0.9625	0.4000	-11.4	30.0
1,2-Dichloroethane	0.4480	0.4094	0.1000	-8.6	30.0
Trichloroethene	0.3113	0.3018	0.3000	-3.0	30.0
Methylcyclohexane	0.4920	0.4788	0.0100	-2.7	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 2035

Lab File ID: 81128B15 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0058B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3047	0.2743	0.0100	-10.0	40.0
Bromodichloromethane	0.3685	0.3029	0.2000	-17.8	30.0
cis-1,3-Dichloropropene	0.4431	0.3601	0.2000	-18.7	30.0
4-Methyl-2-pentanone	0.4189	0.3982	0.0100	-4.9	40.0
Toluene	1.1618	1.0421	0.4000	-10.3	30.0
trans-1,3-Dichloropropene	0.4293	0.3398	0.1000	-20.9	30.0
1,1,2-Trichloroethane	0.2332	0.2039	0.1000	-12.6	30.0
Tetrachloroethene	0.2654	0.2447	0.1000	-7.8	30.0
2-Hexanone	0.3179	0.2996	0.0100	-5.8	40.0
Dibromochloromethane	0.2700	0.2096	0.1000	-22.4	30.0
1,2-Dibromoethane	0.2547	0.2223	0.0100	-12.7	40.0
Chlorobenzene	0.7920	0.7082	0.5000	-10.6	30.0
Ethylbenzene	1.3442	1.2005	0.1000	-10.7	30.0
o-Xylene	0.5263	0.4768	0.3000	-9.4	30.0
m,p-Xylene	0.5242	0.4728	0.3000	-9.8	30.0
Styrene	0.8725	0.8034	0.3000	-7.9	30.0
Bromoform	0.3070	0.2179	0.0500	-29.0	30.0
Isopropylbenzene	1.3825	1.2620	0.0100	-8.7	40.0
1,1,2,2-Tetrachloroethane	0.2949	0.2416	0.1000	-18.1	30.0
1,3-Dichlorobenzene	1.2454	1.1283	0.4000	-9.4	30.0
1,4-Dichlorobenzene	1.3026	1.1638	0.4000	-10.7	30.0
1,2-Dichlorobenzene	1.1959	1.0855	0.4000	-9.2	30.0
1,2-Dibromo-3-chloropropane	0.1041	0.0843	0.0100	-19.1	40.0
1,2,4-Trichlorobenzene	1.0926	0.9766	0.2000	-10.6	30.0
1,2,3-Trichlorobenzene	0.9813	0.8763	0.2000	-10.7	30.0

7C - FORM VII VOA-3 MODIFIED
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref.No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/28/2007 Time: 2035

Lab File ID: 81128B15 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No.(VSTD#####): VSTD0058B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.1027	0.0926	0.0100	-9.8	30.0
Chloroethane-d5	0.1133	0.0931	0.0100	-17.8	40.0
1,1-Dichloroethene-d2	0.6108	0.5854	0.0100	-4.2	30.0
2-Butanone-d5	0.1808	0.1763	0.0100	-2.5	40.0
Chloroform-d	0.5512	0.4979	0.0100	-9.7	30.0
1,2-Dichloroethane-d4	0.3628	0.3184	0.0100	-12.2	30.0
Benzene-d6	1.0657	0.9410	0.0100	-11.7	30.0
1,2-Dichloropropane-d6	0.3571	0.3299	0.0100	-7.6	40.0
Toluene-d8	0.9802	0.8771	0.0100	-10.5	30.0
trans-1,3-Dichloropropene-d4	0.6479	0.5224	0.0100	-19.4	30.0
2-Hexanone-d5	0.1243	0.1194	0.0100	-4.0	40.0
1,1,2,2-Tetrachloroethane-d2	0.3017	0.2529	0.0100	-16.2	30.0
1,2-Dichlorobenzene-d4	0.7935	0.7126	0.0100	-10.2	30.0
tertiary butyl alcohol	0.0476	0.0457	0.0100	-4.0	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B15.D
Lab Smp Id: 8END28 Client Smp ID: VSTD0058B
Inj Date : 28-NOV-2007 20:35
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, 8END28
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2807b.b\TRACEend-8.m
Meth Date : 03-Dec-2007 15:39 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 13:00 Cal File: 81128B03.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS-RZ

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

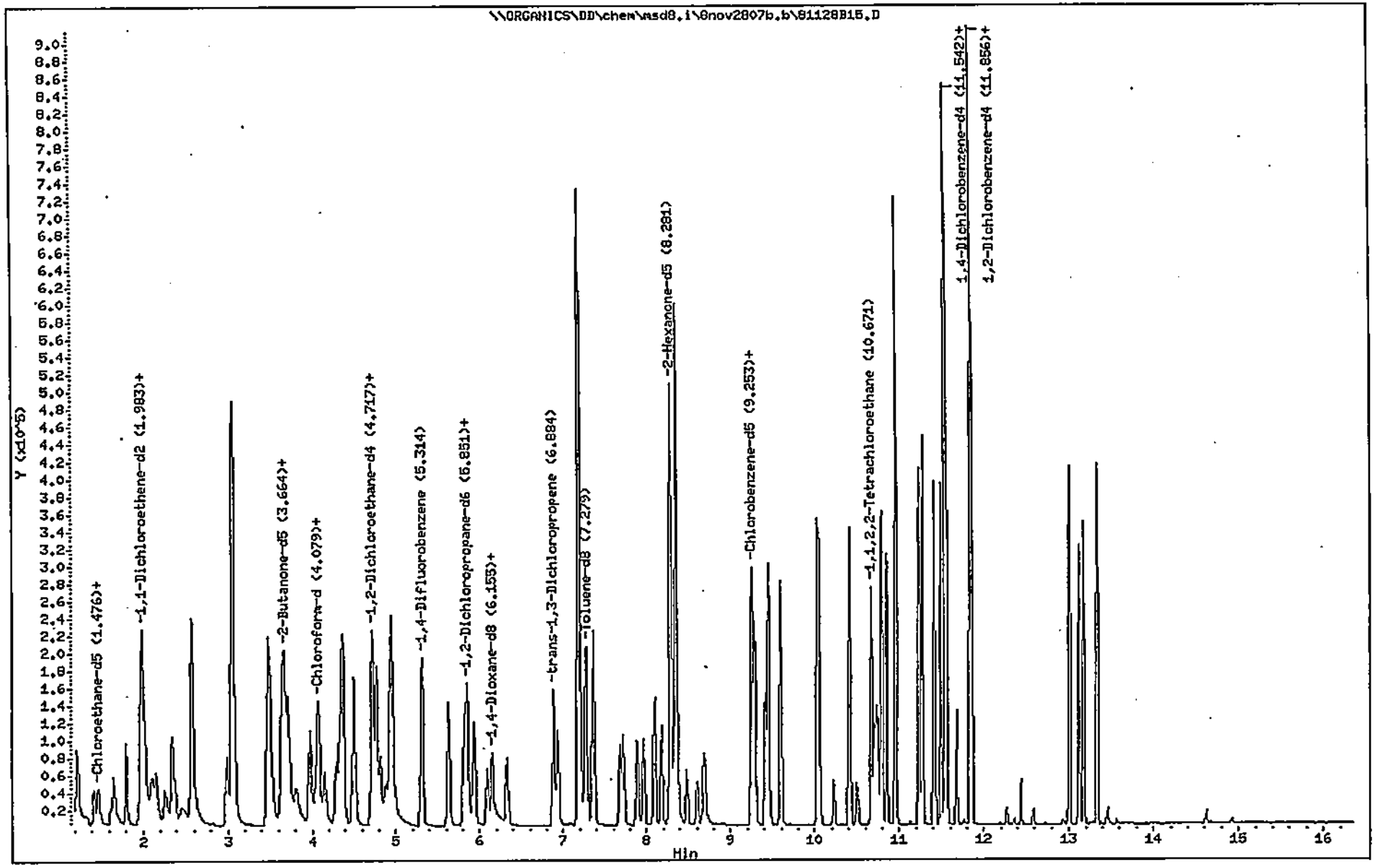
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.061	1.061	(0.200)	28143	5.00000	5.5104
2 Chloromethane	50	1.152	1.152	(0.217)	59633	5.00000	4.0792
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	15790	5.00000	4.5096
4 Vinyl Chloride	62	1.223	1.223	(0.230)	48895	5.00000	4.5423
5 Bromomethane	94	1.425	1.425	(0.268)	22592	5.00000	4.0956
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	15877	5.00000	4.1106
7 Chloroethane	64	1.476	1.476	(0.278)	25277	5.00000	4.2735
8 Trichlorofluoromethane	101	1.648	1.648	(0.310)	59297	5.00000	5.0309
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	99807	5.00000	4.7918
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	42648	5.00000	5.0322
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	43984	5.00000	5.2646
14 Acetone	43	2.023	2.023	(0.381)	179570	50.0000	47.5654
15 Carbon Disulfide	76	2.164	2.164	(0.407)	115995	5.00000	4.3091
16 Methyl Acetate	43	2.256	2.256	(0.425)	46085	5.00000	4.1283
17 Methylene Chloride	84	2.347	2.347	(0.442)	48457	5.00000	4.5464
20 Methyl tert-Butyl Ether	73	2.580	2.580	(0.486)	138305	5.00000	4.4631
21 trans-1,2-Dichloroethene	96	2.580	2.580	(0.486)	41027	5.00000	4.5222
23 1,1-Dichloroethane	63	2.985	2.985	(0.562)	83675	5.00000	4.5271
$ 25 2-Butanone-d5	46	3.633	3.633	(0.684)	300495	50.0000	48.7364
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	44952	5.00000	4.5319
28 2-Butanone	43	3.714	3.714	(0.699)	307185	50.0000	47.5319
29 Bromochloromethane	128	3.967	3.967	(0.747)	22011	5.00000	4.4678
$ 30 Chloroform-d	84	4.058	4.058	(0.764)	84883	5.00000	4.5164

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
31 Chloroform	83	4.088	4.088	(0.769)	80554	5.00000	4.6503
33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	63428	5.00000	4.4105
32 Cyclohexane	56	4.342	4.342	(0.469)	91755	5.00000	4.5843
34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	18043	5.00000	4.6273
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	54278	5.00000	4.3878
$ 36 Benzene-d6	84	4.716	4.716	(0.510)	155932	5.00000	4.4148
37 Benzene	78	4.767	4.767	(0.515)	159488	5.00000	4.4318
39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	69806	5.00000	4.5696
* 41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	170490	5.00000	
42 Trichloroethene	95	5.628	5.628	(0.608)	50007	5.00000	4.8477
$ 44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	54664	5.00000	4.6194
43 Methylcyclohexane	83	5.850	5.850	(0.632)	79342	5.00000	4.8657
45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	45452	5.00000	4.5016
$ 46 1,4-Dioxane-d8	96	6.144	6.144	(1.156)	14514	250.000	357.5860
47 1,4-Dioxane	88	6.195	6.195	(1.166)	22574	250.000	323.9827
49 Bromodichloromethane	83	6.326	6.326	(0.684)	50195	5.00000	4.1101
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	86558	5.00000	4.0310
50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	59663	5.00000	4.0626
51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	659890	50.0000	47.5351
$ 52 Toluene-d8	98	7.278	7.278	(0.787)	145344	5.00000	4.4743
53 Toluene	91	7.359	7.359	(0.795)	172676	5.00000	4.4845
55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	56303	5.00000	3.9570
56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	33790	5.00000	4.3728
57 Tetrachloroethene	164	8.098	8.098	(0.875)	40544	5.00000	4.6087
$ 58 2-Hexanone-d5	63	8.281	8.281	(0.895)	197776	50.0000	47:9982
60 2-Hexanone	43	8.352	8.352	(0.903)	496450	50.0000	47.1220
61 Dibromochloromethane	129	8.483	8.483	(0.917)	34725	5.00000	3.8807
62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	36837	5.00000	4.3645
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	165706	5.00000	
64 Chlorobenzene	112	9.283	9.283	(1.003)	117346	5.00000	4.4705
65 Ethylbenzene	91	9.445	9.445	(1.021)	198922	5.00000	4.4654
67 m+p-Xylenes	106	9.597	9.597	(1.037)	78342	5.00000	4.5094
68 o-Xylene	106	10.032	10.032	(1.084)	79015	5.00000	4.5300
69 Styrene	104	10.053	10.053	(1.086)	133130	5.00000	4.6040
70 Bromoform	173	10.225	10.225	(0.885)	22041	5.00000	3.5491
71 Isopropylbenzene	105	10.417	10.417	(1.126)	209124	5.00000	4.5641
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	41902	5.00000	4.1911
74 1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	40034	5.00000	4.0955
83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	114121	5.00000	4.5298
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	101148	5.00000	
86 1,4-Dichlorobenzene	146	11.572	11.572	(1.002)	117717	5.00000	4.4670
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	72082	5.00000	4.4906
89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	109799	5.00000	4.5384
90 1,2-Dibromo-3-chloropropane	75	12.443	12.443	(1.077)	8525	5.00000	4.0464
91 1,2,4-Trichlorobenzene	180	13.010	13.010	(1.126)	98778	5.00000	4.4690
94 1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	88639	5.00000	4.4652
19 tert-butyl alcohol	59	2.458	2.458	(0.463)	77869	50.0000	47.9952

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B15.D
Date : 28-NOV-2007 20:35
Client ID: VSTD0058B
Sample Info: 8nov2807b.b, 8END28
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1153

Lab File ID: 81129A04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00529 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.1498	0.1504	0.0100	0.4	40.0
Chloromethane	0.4287	0.3821	0.0100	-10.9	40.0
Vinyl chloride	0.3157	0.2886	0.1000	-8.6	30.0
Bromomethane	0.1618	0.1540	0.1000	-4.8	30.0
Chloroethane	0.1735	0.1725	0.0100	-0.6	40.0
Trichlorofluoromethane	0.3457	0.3662	0.0100	6.0	40.0
1,1-Dichloroethene	0.2485	0.2356	0.1000	-5.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2450	0.2784	0.0100	13.6	40.0
Acetone	0.1107	0.0933	0.0100	-15.7	40.0
Carbon Disulfide	0.7894	0.7464	0.0100	-5.5	40.0
Methyl acetate	0.3274	0.4259	0.0100	30.1	40.0
Methylene chloride	0.3126	0.2817	0.0100	-9.9	40.0
trans-1,2-Dichloroethene	0.2661	0.2461	0.0100	-7.5	40.0
Methyl tert-butyl ether	0.9088	0.8117	0.0100	-10.7	40.0
1,1-Dichloroethane	0.5421	0.4944	0.2000	-8.8	30.0
cis-1,2-Dichloroethene	0.2909	0.2676	0.0100	-8.0	40.0
2-Butanone	0.1895	0.1842	0.0100	-2.8	40.0
Bromochloromethane	0.1445	0.1323	0.0500	-8.5	30.0
Chloroform	0.5080	0.4512	0.2000	-11.2	30.0
1,1,1-Trichloroethane	0.4339	0.3909	0.1000	-9.9	30.0
Cyclohexane	0.6039	0.5793	0.0100	-4.1	40.0
Carbon tetrachloride	0.1177	0.1138	0.1000	-3.2	30.0
Benzene	1.0859	0.9796	0.4000	-9.3	30.0
1,2-Dichloroethane	0.4480	0.4021	0.1000	-10.2	30.0
Trichloroethene	0.3113	0.2766	0.3000	-11.1	30.0
Methylcyclohexane	0.4920	0.4806	0.0100	-2.3	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1153

Lab File ID: 81129A04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00529 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3047	0.2749	0.0100	-9.8	40.0
Bromodichloromethane	0.3685	0.3344	0.2000	-9.3	30.0
cis-1,3-Dichloropropene	0.4431	0.4126	0.2000	-6.9	30.0
4-Methyl-2-pentanone	0.4189	0.4350	0.0100	3.8	40.0
Toluene	1.1618	1.0510	0.4000	-9.5	30.0
trans-1,3-Dichloropropene	0.4293	0.3935	0.1000	-8.4	30.0
1,1,2-Trichloroethane	0.2332	0.2054	0.1000	-11.9	30.0
Tetrachloroethene	0.2654	0.2609	0.1000	-1.7	30.0
2-Hexanone	0.3179	0.3299	0.0100	3.8	40.0
Dibromochloromethane	0.2700	0.2596	0.1000	-3.9	30.0
1,2-Dibromoethane	0.2547	0.2284	0.0100	-10.3	40.0
Chlorobenzene	0.7920	0.7107	0.5000	-10.3	30.0
Ethylbenzene	1.3442	1.2034	0.1000	-10.5	30.0
o-Xylene	0.5263	0.4801	0.3000	-8.8	30.0
m,p-Xylene	0.5242	0.4780	0.3000	-8.8	30.0
Styrene	0.8725	0.7912	0.3000	-9.3	30.0
Bromoform	0.3070	0.3175	0.0500	3.4	30.0
Isopropylbenzene	1.3825	1.2534	0.0100	-9.3	40.0
1,1,2,2-Tetrachloroethane	0.2949	0.2881	0.1000	-2.3	30.0
1,3-Dichlorobenzene	1.2454	1.1270	0.4000	-9.5	30.0
1,4-Dichlorobenzene	1.3026	1.1896	0.4000	-8.7	30.0
1,2-Dichlorobenzene	1.1959	1.0692	0.4000	-10.6	30.0
1,2-Dibromo-3-chloropropane	0.1041	0.0982	0.0100	-5.7	40.0
1,2,4-Trichlorobenzene	1.0926	1.0209	0.2000	-6.6	30.0
1,2,3-Trichlorobenzene	0.9813	0.8963	0.2000	-8.7	30.0

7C - FORM VII VOA-3 MODIFIED
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1153

Lab File ID: 81129A04 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD00529 Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.1027	0.1004	0.0100	-2.2	30.0
Chloroethane-d5	0.1133	0.1097	0.0100	-3.1	40.0
1,1-Dichloroethene-d2	0.6108	0.5725	0.0100	-6.3	30.0
2-Butanone-d5	0.1808	0.1658	0.0100	-8.3	40.0
Chloroform-d	0.5512	0.5126	0.0100	-7.0	30.0
1,2-Dichloroethane-d4	0.3628	0.3151	0.0100	-13.1	30.0
Benzene-d6	1.0657	0.9646	0.0100	-9.5	30.0
1,2-Dichloropropane-d6	0.3571	0.3304	0.0100	-7.5	40.0
Toluene-d8	0.9802	0.8981	0.0100	-8.4	30.0
trans-1,3-Dichloropropene-d4	0.6479	0.5991	0.0100	-7.5	30.0
2-Hexanone-d5	0.1243	0.1314	0.0100	5.7	40.0
1,1,2,2-Tetrachloroethane-d2	0.3017	0.2847	0.0100	-5.6	30.0
1,2-Dichlorobenzene-d4	0.7935	0.7156	0.0100	-9.8	30.0
tertiary butyl alcohol	0.0476	0.0256	0.0100	-46.3	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A04.D
Lab Smp Id: CCV1129 Client Smp ID: VSTD00529
Inj Date : 29-NOV-2007 11:53
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, CCV1129
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.060	1.060	(0.200)	28931	5.00000	5.0212
2 Chloromethane	50	1.152	1.152	(0.217)	73492	5.00000	4.4561
$ 3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	19311	5.00000	4.8887
4 Vinyl Chloride	62	1.222	1.222	(0.230)	55507	5.00000	4.5703
5 Bromomethane	94	1.425	1.425	(0.268)	29613	5.00000	4.7585
$ 6 Chloroethane-d5	69	1.465	1.465	(0.276)	21103	5.00000	4.8423
7 Chloroethane	64	1.486	1.486	(0.280)	33176	5.00000	4.9713
8 Trichlorofluoromethane	101	1.658	1.658	(0.312)	70443	5.00000	5.2977
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	110121	5.00000	4.6863
13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	45321	5.00000	4.7401
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	53552	5.00000	5.6817
14 Acetone	43	2.012	2.012	(0.379)	179453	50.0000	42.1344
15 Carbon Disulfide	76	2.154	2.154	(0.405)	143558	5.00000	4.7272
16 Methyl Acetate	43	2.265	2.265	(0.426)	81917	5.00000	6.5045
17 Methylene Chloride	84	2.346	2.346	(0.442)	54177	5.00000	4.5055
20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	156119	5.00000	4.4657
21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	47331	5.00000	4.6244
23 1,1-Dichloroethane	63	2.984	2.984	(0.562)	95084	5.00000	4.5603
$ 25 2-Butanone-d5	46	3.632	3.632	(0.684)	318984	50.0000	45.8579
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	51462	5.00000	4.5988
28 2-Butanone	43	3.703	3.703	(0.697)	354271	50.0000	48.5904
29 Bromochloromethane	128	3.977	3.977	(0.748)	25437	5.00000	4.5766
$ 30 Chloroform-d	84	4.058	4.058	(0.764)	98603	5.00000	4.6505
31 Chloroform	83	4.088	4.088	(0.769)	86776	5.00000	4.4404

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	71729	5.00000	4.5046
	32 Cyclohexane	56	4.351	4.351	(0.470)	106287	5.00000	4.7959
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	20888	5.00000	4.8379
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	60606	5.00000	4.3428
$	36 Benzene-d6	84	4.716	4.716	(0.510)	176984	5.00000	4.5253
	37 Benzene	78	4.767	4.767	(0.515)	179745	5.00000	4.5107
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	77343	5.00000	4.4878
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	192340	5.00000	
	42 Trichloroethene	95	5.627	5.627	(0.608)	50760	5.00000	4.4439
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	60622	5.00000	4.6265
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	88191	5.00000	4.8844
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	50431	5.00000	4.5108
$	46 1,4-Dioxane-d8	96	6.113	6.113	(1.151)	6953	250.000	152.6688 (Q)
	47 1,4-Dioxane	88	6.194	6.194	(1.166)	12247	250.000	155.8017
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	61349	5.00000	4.5368
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	109930	5.00000	4.6234
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	75709	5.00000	4.6557
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	798152	50.0000	51.9240
$	52 Toluene-d8	98	7.278	7.278	(0.787)	164779	5.00000	4.5811
	53 Toluene	91	7.359	7.359	(0.795)	192835	5.00000	4.5228
	55 trans-1,3-Dichloropropene	75	7.723	7.723	(0.835)	72195	5.00000	4.5823
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	37696	5.00000	4.4047
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	47875	5.00000	4.9143
$	58 2-Hexanone-d5	63	8.280	8.280	(0.895)	241035	50.0000	52.8289
	60 2-Hexanone	43	8.351	8.351	(0.903)	605309	50.0000	51.8873
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	47630	5.00000	4.8072
	62 1,2-Dibromoethane	107	8.604	8.604	(0.930)	41902	5.00000	4.4835
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	183484	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	130407	5.00000	4.4867
	65 Ethylbenzene	91	9.445	9.445	(1.021)	220805	5.00000	4.4764
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	87709	5.00000	4.5594
	68 o-Xylene	106	10.032	10.032	(1.084)	88085	5.00000	4.5607
	69 Styrene	104	10.053	10.053	(1.086)	145174	5.00000	4.5341
	70 Bromoform	173	10.225	10.225	(0.885)	35224	5.00000	5.1703
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	229981	5.00000	4.5333
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	52231	5.00000	4.7181
	74 1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.160)	52861	5.00000	4.8838
	83 1,3-Dichlorobenzene	146	11.490	11.490	(0.995)	125051	5.00000	4.5247
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	110959	5.00000	
	86 1,4-Dichlorobenzene	146	11.571	11.571	(1.002)	131995	5.00000	4.5660
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	79403	5.00000	4.5093
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	118635	5.00000	4.4700
	90 1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	10899	5.00000	4.7158
	91 1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	113276	5.00000	4.6717
	94 1,2,3-Trichlorobenzene	180	13.333	13.333	(1.154)	99449	5.00000	4.5663
	19 tert-butyl alcohol	59	2.569	2.569	(0.484)	49208	50.0000	26.8744 (MH)

RS 12/3/07

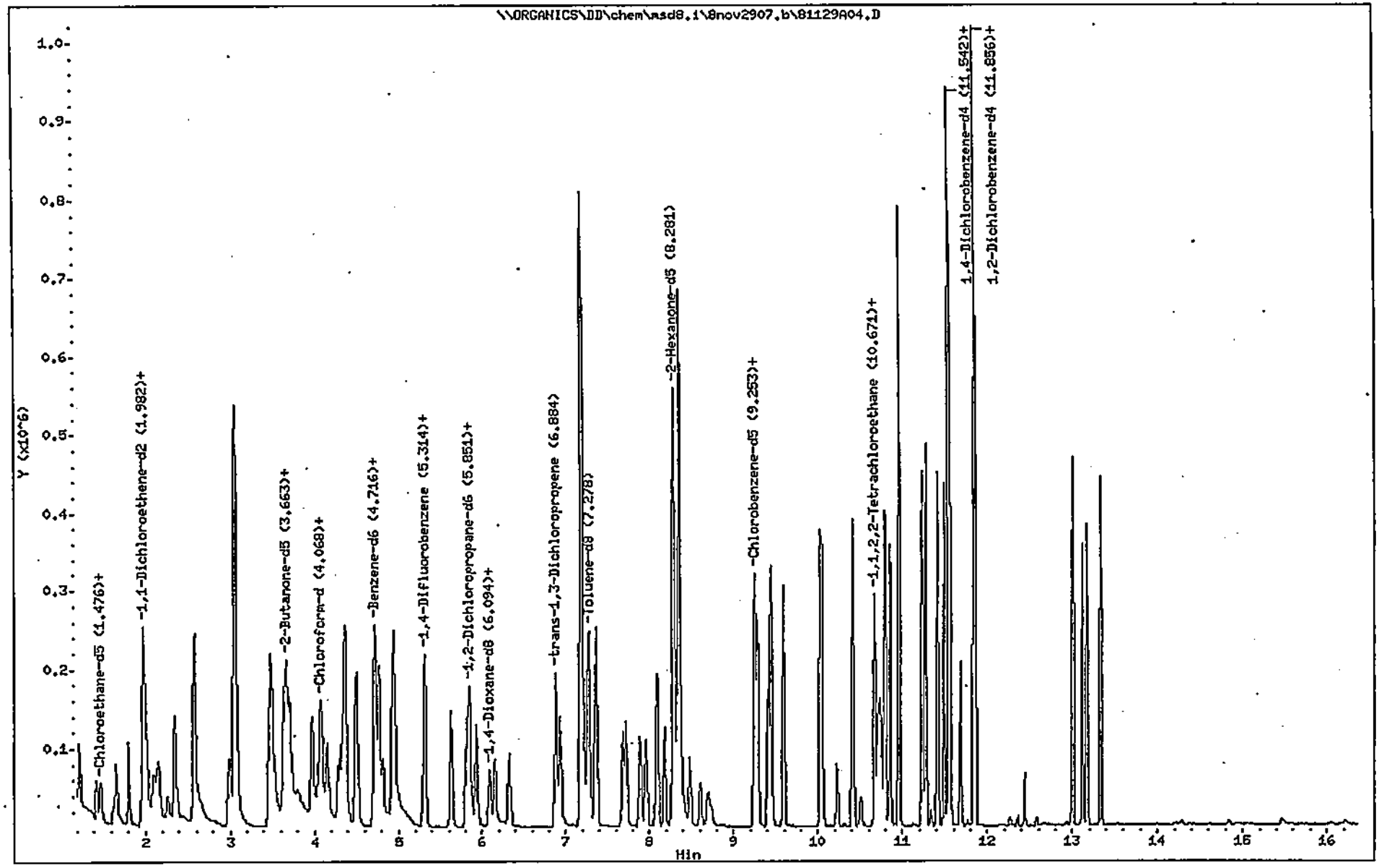
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

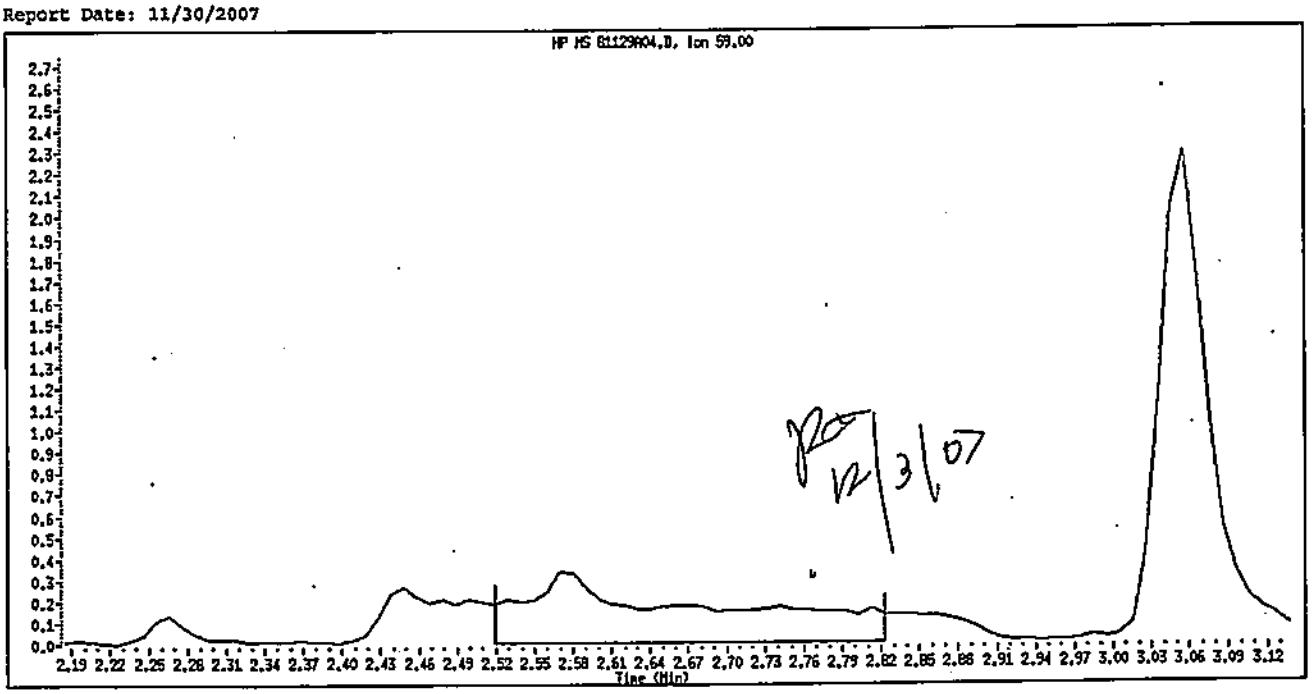
Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A04.D
Date : 29-NOV-2007 11:53
Client ID: VSTD00529
Sample Info: 8nov2907.b, CCV1129
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

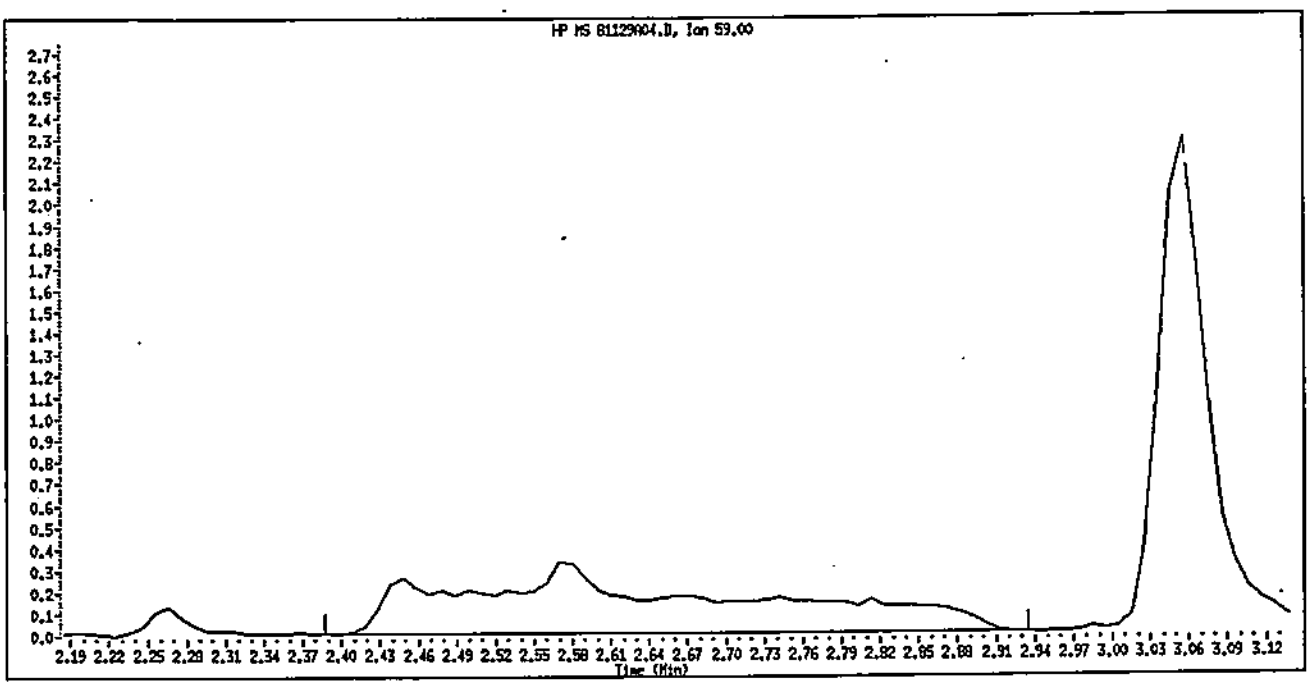
Operator: DLB
Column diameter: 0.18



Data File Name: 81129A04.D
Inj. Date and Time: 29-NOV-2007 11:53
Instrument ID: msd8.i
Client ID: VSTD00529
Compound Name: tert-butyl alcohol
CAS #: 75-65-0
Report Date: 11/30/2007



Original Integration



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1451

Lab File ID: 81129A10 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0059B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.1498	0.1518	0.0100	1.4	40.0
Chloromethane	0.4287	0.3444	0.0100	-19.7	40.0
Vinyl chloride	0.3157	0.2751	0.1000	-12.9	30.0
Bromomethane	0.1618	0.1366	0.1000	-15.6	30.0
Chloroethane	0.1735	0.1444	0.0100	-16.7	40.0
Trichlorofluoromethane	0.3457	0.3335	0.0100	-3.5	40.0
1,1-Dichloroethene	0.2485	0.2240	0.1000	-9.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2450	0.2548	0.0100	4.0	40.0
Acetone	0.1107	0.1037	0.0100	-6.3	40.0
Carbon Disulfide	0.7894	0.6816	0.0100	-13.7	40.0
Methyl acetate	0.3274	0.2835	0.0100	-13.4	40.0
Methylene chloride	0.3126	0.2690	0.0100	-13.9	40.0
trans-1,2-Dichloroethene	0.2661	0.2318	0.0100	-12.9	40.0
Methyl tert-butyl ether	0.9088	0.7736	0.0100	-14.9	40.0
1,1-Dichloroethane	0.5421	0.4791	0.2000	-11.6	30.0
cis-1,2-Dichloroethene	0.2909	0.2580	0.0100	-11.3	40.0
2-Butanone	0.1895	0.1902	0.0100	0.4	40.0
Bromochloromethane	0.1445	0.1248	0.0500	-13.6	30.0
Chloroform	0.5080	0.4444	0.2000	-12.5	30.0
1,1,1-Trichloroethane	0.4339	0.3798	0.1000	-12.5	30.0
Cyclohexane	0.6039	0.5446	0.0100	-9.8	40.0
Carbon tetrachloride	0.1177	0.1055	0.1000	-10.3	30.0
Benzene	1.0859	0.9544	0.4000	-12.1	30.0
1,2-Dichloroethane	0.4480	0.3898	0.1000	-13.0	30.0
Trichloroethene	0.3113	0.2739	0.3000	-12.0	30.0
Methylcyclohexane	0.4920	0.4688	0.0100	-4.7	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1451

Lab File ID: 81129A10 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0059B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.3047	0.2714	0.0100	-10.9	40.0
Bromodichloromethane	0.3685	0.2905	0.2000	-21.2	30.0
cis-1,3-Dichloropropene	0.4431	0.3685	0.2000	-16.8	30.0
4-Methyl-2-pentanone	0.4189	0.4212	0.0100	0.6	40.0
Toluene	1.1618	1.0358	0.4000	-10.8	30.0
trans-1,3-Dichloropropene	0.4293	0.3404	0.1000	-20.7	30.0
1,1,2-Trichloroethane	0.2332	0.2054	0.1000	-11.9	30.0
Tetrachloroethene	0.2654	0.2537	0.1000	-4.4	30.0
2-Hexanone	0.3179	0.3180	0.0100	0.0	40.0
Dibromochloromethane	0.2700	0.1960	0.1000	-27.4	30.0
1,2-Dibromoethane	0.2547	0.2180	0.0100	-14.4	40.0
Chlorobenzene	0.7920	0.7021	0.5000	-11.4	30.0
Ethylbenzene	1.3442	1.1864	0.1000	-11.7	30.0
o-Xylene	0.5263	0.4752	0.3000	-9.7	30.0
m,p-Xylene	0.5242	0.4729	0.3000	-9.8	30.0
Styrene	0.8725	0.7991	0.3000	-8.4	30.0
Bromoform	0.3070	0.2061	0.0500	-32.9	30.0
Isopropylbenzene	1.3825	1.2542	0.0100	-9.3	40.0
1,1,2,2-Tetrachloroethane	0.2949	0.2713	0.1000	-8.0	30.0
1,3-Dichlorobenzene	1.2454	1.1055	0.4000	-11.2	30.0
1,4-Dichlorobenzene	1.3026	1.1513	0.4000	-11.6	30.0
1,2-Dichlorobenzene	1.1959	1.0641	0.4000	-11.0	30.0
1,2-Dibromo-3-chloropropane	0.1041	0.0718	0.0100	-31.[illegible]	40.0
1,2,4-Trichlorobenzene	1.0926	1.0059	0.2000	-7.9	30.0
1,2,3-Trichlorobenzene	0.9813	0.8829	0.2000	-10.0	30.0

7C - FORM VII VOA-3 MODIFIED
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Instrument ID: MSD8 Calibration Date: 11/29/2007 Time: 1451

Lab File ID: 81129A10 Init. Calib. Date(s): 11/28/2007 11/28/2007

EPA Sample No. (VSTD#####): VSTD0059B Init. Calib. Time(s): 1238 1405

Heated Purge: (Y/N) Y GC Column: DB-624 ID: 0.18 (mm) Length: 20.0 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF 5.0	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.1027	0.0808	0.0100	-21.3	30.0
Chloroethane-d5	0.1133	0.0966	0.0100	-14.7	40.0
1,1-Dichloroethene-d2	0.6108	0.5448	0.0100	-10.8	30.0
2-Butanone-d5	0.1808	0.1811	0.0100	0.2	40.0
Chloroform-d	0.5512	0.4854	0.0100	-11.9	30.0
1,2-Dichloroethane-d4	0.3628	0.3001	0.0100	-17.3	30.0
Benzene-d6	1.0657	0.9357	0.0100	-12.2	30.0
1,2-Dichloropropane-d6	0.3571	0.3238	0.0100	-9.3	40.0
Toluene-d8	0.9802	0.8644	0.0100	-11.8	30.0
trans-1,3-Dichloropropene-d4	0.6479	0.5251	0.0100	-19.0	30.0
2-Hexanone-d5	0.1243	0.1283	0.0100	3.2	40.0
1,1,2,2-Tetrachloroethane-d2	0.3017	0.2739	0.0100	-9.2	30.0
1,2-Dichlorobenzene-d4	0.7935	0.7030	0.0100	-11.4	30.0
tertiary butyl alcohol	0.0476	0.0394	0.0100	-17.3	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A10.D
Lab Smp Id: 8END29 Client Smp ID: VSTD0059B
Inj Date : 29-NOV-2007 14:51
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, 8END29
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2907.b\TRACEend-8.m
Meth Date : 03-Dec-2007 15:41 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 13:00 Cal File: 81128B03.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS-RZ

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.060	1.060	(0.200)	29745	5.00000	5.0683
2 Chloromethane	50	1.152	1.152	(0.217)	67477	5.00000	4.0168
$ 3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	15824	5.00000	3.9329
4 Vinyl Chloride	62	1.233	1.233	(0.232)	53894	5.00000	4.3571
5 Bromomethane	94	1.425	1.425	(0.268)	26757	5.00000	4.2212
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	18919	5.00000	4.2625
7 Chloroethane	64	1.486	1.486	(0.280)	28297	5.00000	4.1633
8 Trichlorofluoromethane	101	1.658	1.658	(0.312)	65333	5.00000	4.8238
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	106724	5.00000	4.4590
13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	43889	5.00000	4.5066
11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	49914	5.00000	5.1992
14 Acetone	43	2.022	2.022	(0.381)	203200	50.0000	46.8402
15 Carbon Disulfide	76	2.164	2.164	(0.407)	133528	5.00000	4.3167
16 Methyl Acetate	43	2.266	2.266	(0.426)	55544	5.00000	4.3300
17 Methylene Chloride	84	2.347	2.347	(0.442)	52703	5.00000	4.3031
20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	151554	5.00000	4.2560
21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	45403	5.00000	4.3552
23 1,1-Dichloroethane	63	2.995	2.995	(0.564)	93865	5.00000	4.4194
$ 25 2-Butanone-d5	46	3.643	3.643	(0.686)	354890	50.0000	50.0896
26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	50540	5.00000	4.4341
28 2-Butanone	43	3.714	3.714	(0.699)	372717	50.0000	50.1883
29 Bromochloromethane	128	3.977	3.977	(0.748)	24454	5.00000	4.3195
$ 30 Chloroform-d	84	4.068	4.068	(0.766)	95100	5.00000	4.4035

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 31 Chloroform	83	4.088	4.088	(0.769)	87069	5.00000	4.3742
33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	70890	5.00000	4.3758
32 Cyclohexane	56	4.341	4.341	(0.469)	101663	5.00000	4.5088
34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	19696	5.00000	4.4839
$ 38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	58800	5.00000	4.1365
$ 36 Benzene-d6	84	4.726	4.726	(0.511)	174666	5.00000	4.3897
37 Benzene	78	4.767	4.767	(0.515)	178154	5.00000	4.3944
39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	76365	5.00000	4.3503
* 41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	195912	5.00000	
42 Trichloroethene	95	5.627	5.627	(0.608)	51134	5.00000	4.4002
$ 44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	60448	5.00000	4.5344
43 Methylcyclohexane	83	5.850	5.850	(0.632)	87509	5.00000	4.7638
45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	50659	5.00000	4.4538
$ 46 1,4-Dioxane-d8	96	6.144	6.144	(1.156)	11660	250.000	249.9941 (Q)
47 1,4-Dioxane	88	6.225	6.225	(1.172)	17964	250.000	224.3646
49 Bromodichloromethane	83	6.326	6.326	(0.684)	54223	5.00000	3.9412
$ 54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	98022	5.00000	4.0522
50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	68797	5.00000	4.1584
51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	786246	50.0000	50.2754
$ 52 Toluene-d8	98	7.278	7.278	(0.787)	161370	5.00000	4.4097
53 Toluene	91	7.359	7.359	(0.795)	193362	5.00000	4.4577
55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	63548	5.00000	3.9645
56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	38348	5.00000	4.4043
57 Tetrachloroethene	164	8.098	8.098	(0.875)	47367	5.00000	4.7795
$ 58 2-Hexanone-d5	63	8.280	8.280	(0.895)	239418	50.0000	51.5778
60 2-Hexanone	43	8.351	8.351	(0.903)	593588	50.0000	50.0135
61 Dibromochloromethane	129	8.483	8.483	(0.917)	36583	5.00000	3.6291
62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	40690	5.00000	4.2795
* 63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	186674	5.00000	
64 Chlorobenzene	112	9.283	9.283	(1.003)	131068	5.00000	4.4324
65 Ethylbenzene	91	9.445	9.445	(1.021)	221474	5.00000	4.4132
67 m+p-Xylenes	106	9.597	9.597	(1.037)	88280	5.00000	4.5107
68 o-Xylene	106	10.032	10.032	(1.084)	88706	5.00000	4.5143
69 Styrene	104	10.053	10.053	(1.086)	149168	5.00000	4.5792
70 Bromoform	173	10.225	10.225	(0.885)	23935	5.00000	3.3559
71 Isopropylbenzene	105	10.417	10.417	(1.126)	234122	5.00000	4.5357
$ 72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	51121	5.00000	4.5389
74 1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.160)	50637	5.00000	4.5984
83 1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	128417	5.00000	4.4385
* 85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	116160	5.00000	
86 1,4-Dichlorobenzene	146	11.572	11.572	(1.002)	133730	5.00000	4.4189
$ 87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	81657	5.00000	4.4297
89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	123602	5.00000	4.4486
90 1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	8335	5.00000	3.4449
91 1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	116849	5.00000	4.6033
94 1,2,3-Trichlorobenzene	180	13.333	13.333	(1.154)	102557	5.00000	4.4986
19 tert-butyl alcohol	59	2.468	2.468	(0.465)	77105	50.0000	41.3575

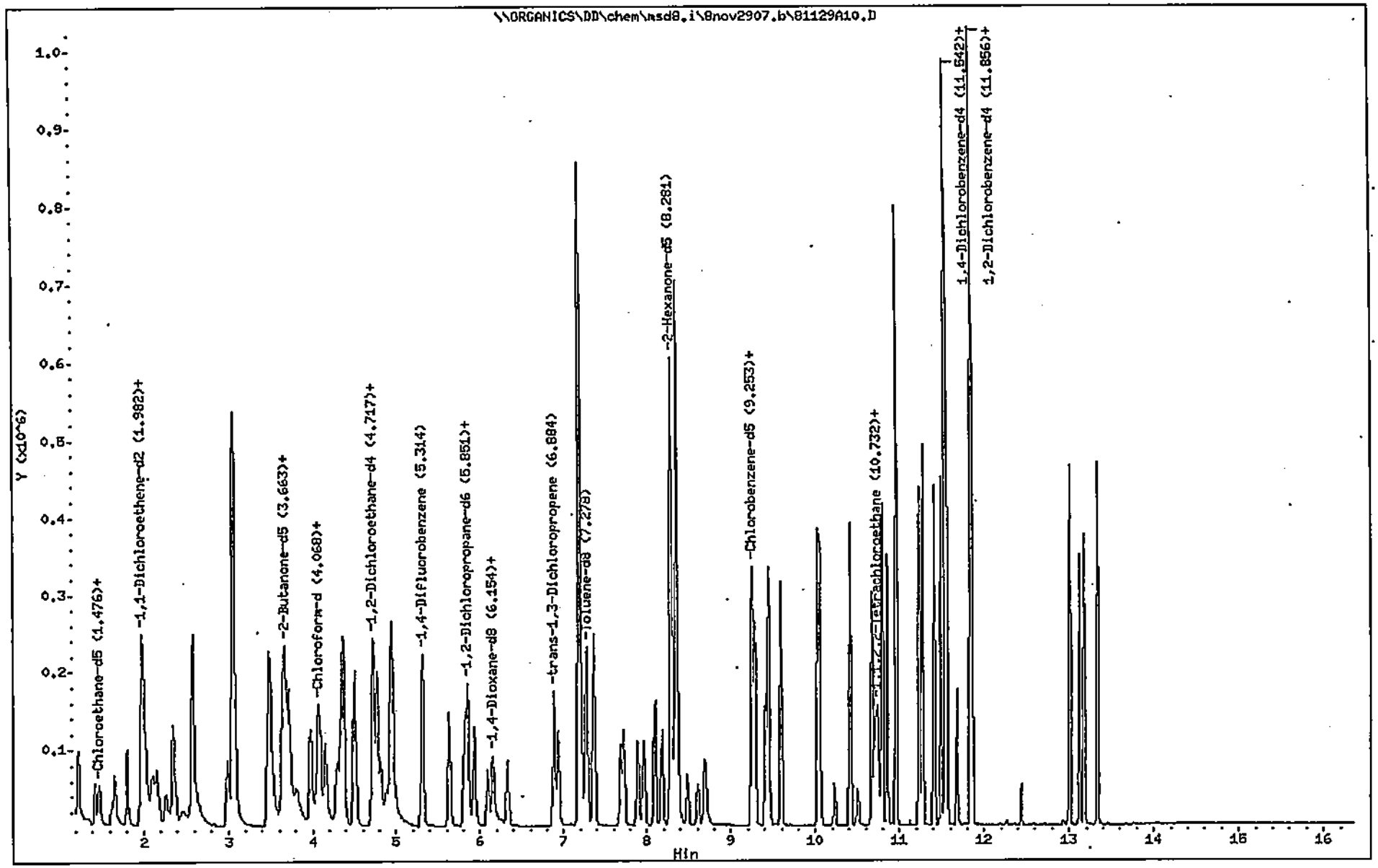
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A10.D
Date : 29-NOV-2007 14:51
Client ID: VSTD0059B
Sample Info: 8nov2907.b, 8END29
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B01A.D

Date : 28-NOV-2007 12:13

Client ID: BFB28

Instrument: msd8.i

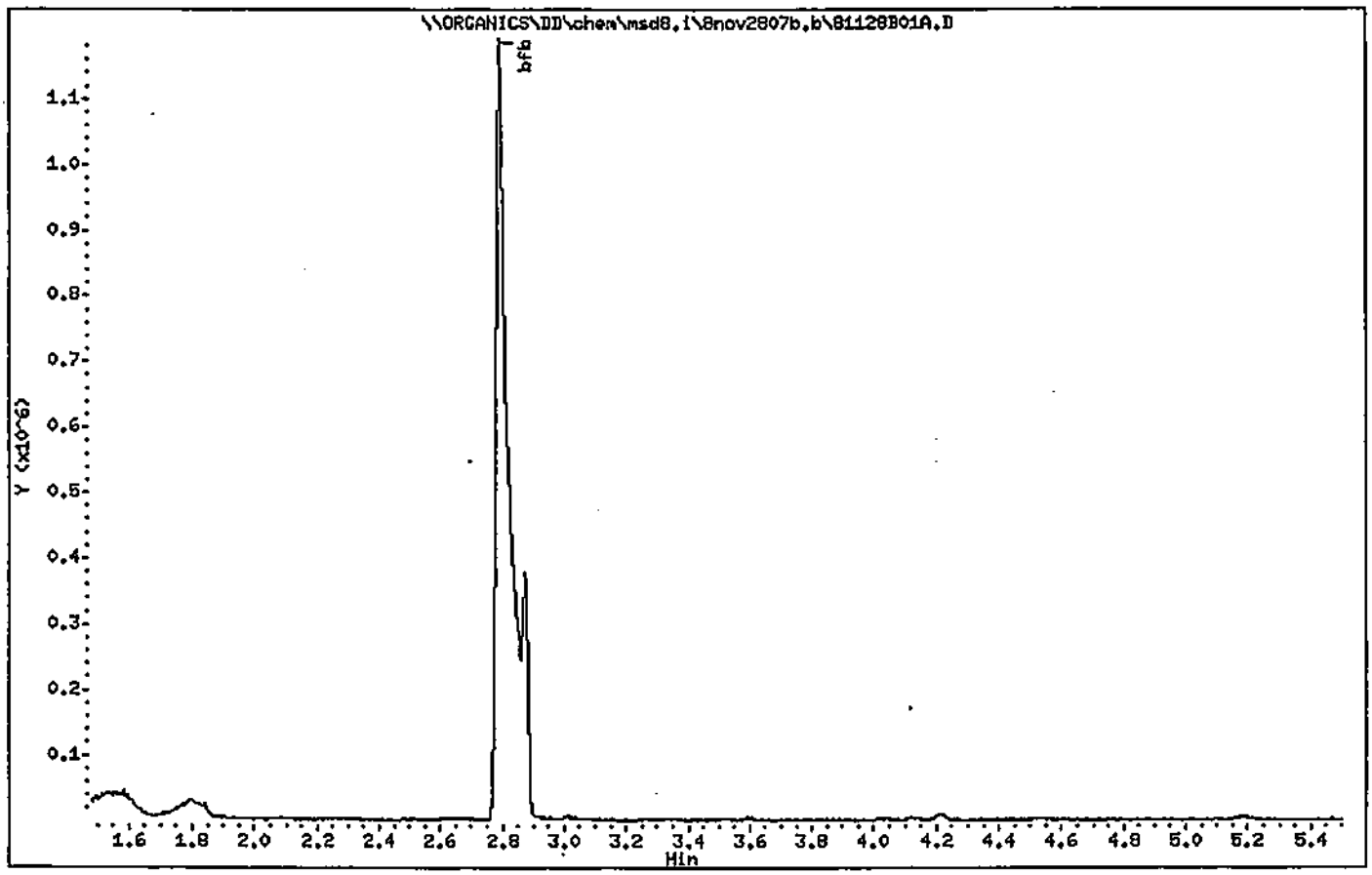
Sample Info: 8nov2807b.b, BFB1128

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



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Date : 28-NOV-2007 12:13

Client ID: BFB28

Instrument: msd8.i

Sample Info: 8nov2807b.b, BFB1128

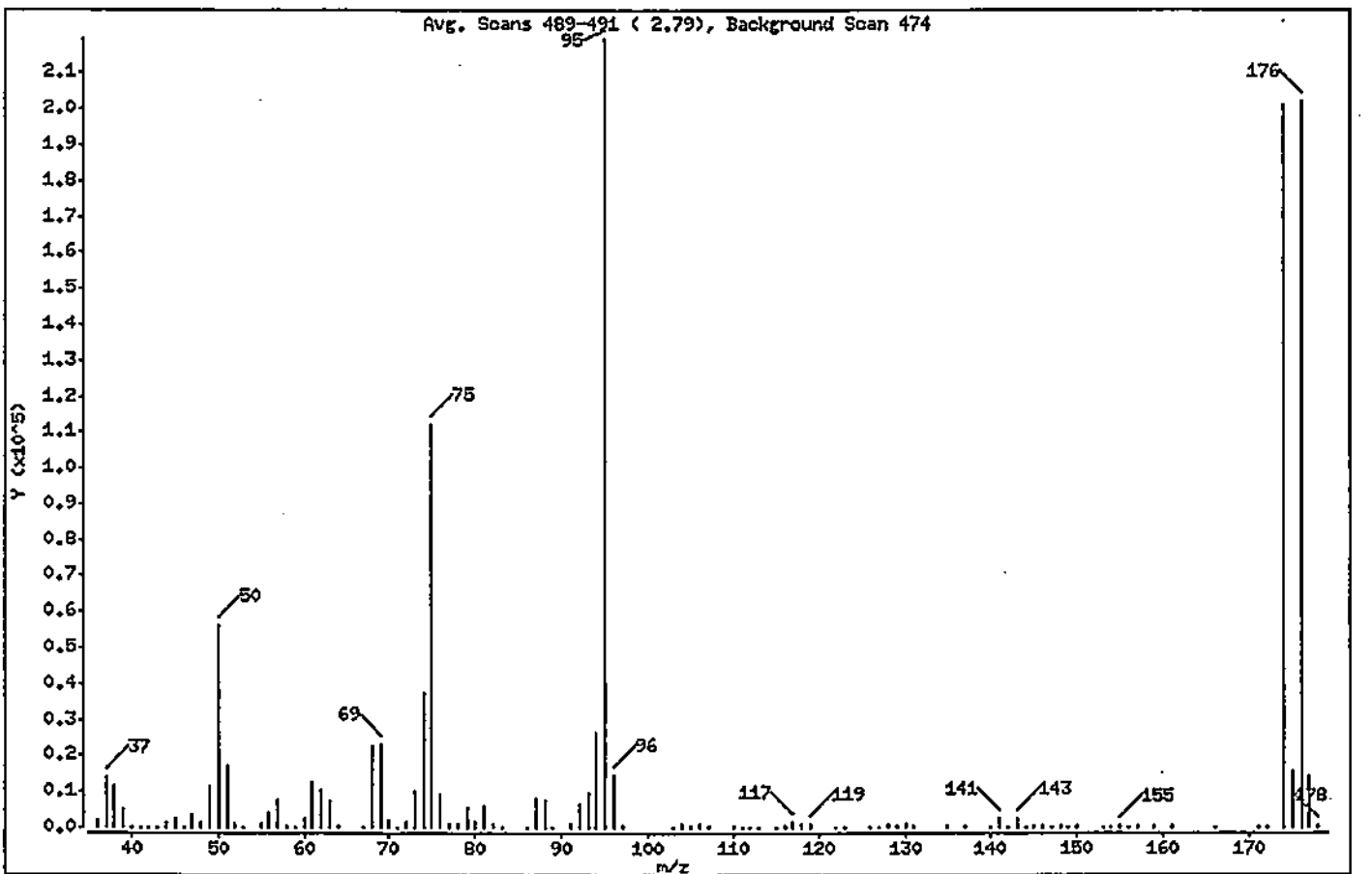
Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.54
75	30.00 - 80.00% of mass 95	51.26
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	91.60
175	5.00 - 9.00% of mass 174	7.21 (7.88)
176	95.00 - 101.00% of mass 174	92.21 (100.67)
177	5.00 - 9.00% of mass 176	6.46 (7.00)

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B01A.D

Date : 28-NOV-2007 12:13

Client ID: BFB28 Instrument: msd8.i

Sample Info: 8nov2807b.b, BFB1128

Volume Injected (uL): 2.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Data File: 81128B01A.D
Spectrum: Avg. Scans 489-491 (2.79), Background Scan 474
Location of Maximum: 95.00
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2205	64.00	567	96.00	14852	141.00	2519
37.00	14095	67.00	141	97.00	613	142.00	185
38.00	11755	68.00	22864	103.00	129	143.00	2437
39.00	4886	69.00	23288	104.00	1023	144.00	126
40.00	143	70.00	1890	105.00	393	145.00	328
41.00	154	71.00	195	106.00	880	146.00	340
42.00	50	72.00	1266	107.00	285	147.00	65
43.00	218	73.00	10008	110.00	257	148.00	616
44.00	1335	74.00	37520	111.00	128	149.00	63
45.00	2719	75.00	112432	112.00	130	150.00	284
46.00	211	76.00	9003	113.00	187	153.00	55
47.00	3621	77.00	1089	115.00	185	154.00	55
48.00	1513	78.00	1094	116.00	740	155.00	537
49.00	11842	79.00	5551	117.00	1563	156.00	85
50.00	56024	80.00	1751	118.00	929	157.00	387
51.00	17136	81.00	5812	119.00	1146	159.00	338
52.00	1008	82.00	1154	122.00	51	161.00	339
53.00	58	83.00	58	123.00	56	166.00	52
55.00	879	86.00	132	126.00	119	171.00	137
56.00	4168	87.00	8216	127.00	132	172.00	166
57.00	7567	88.00	7727	128.00	769	174.00	200896
58.00	313	89.00	81	129.00	377	175.00	15823
59.00	61	91.00	900	130.00	841	176.00	202240
60.00	2418	92.00	6417	131.00	512	177.00	14162
61.00	12417	93.00	9496	135.00	339	178.00	456
62.00	10803	94.00	26400	137.00	436		
63.00	7587	95.00	219328	140.00	88		

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81128A03.D

Date : 29-NOV-2007 11:25

Client ID: BFB29

Instrument: msd8.i

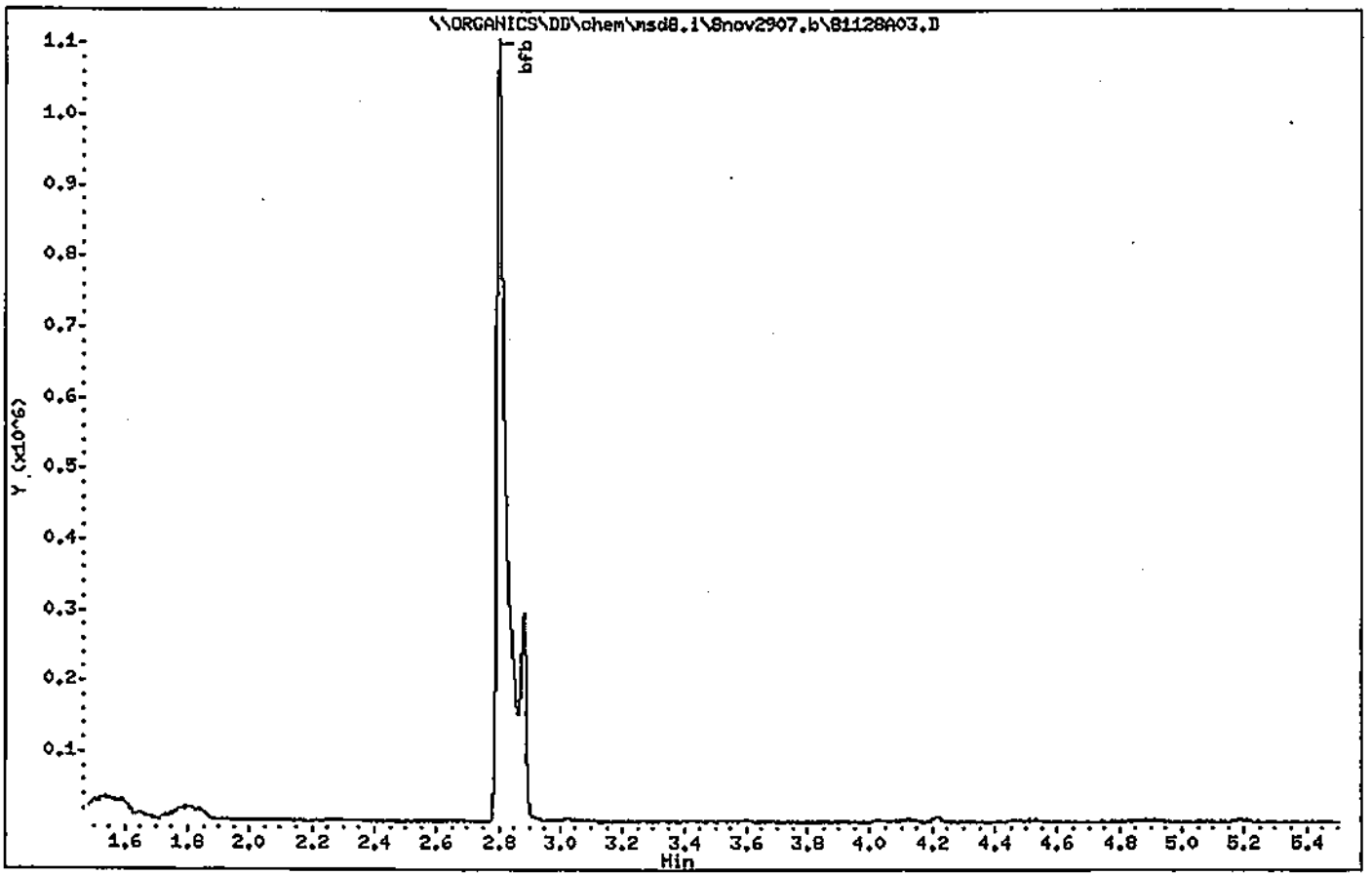
Sample Info: 8nov2907.b, BFB1129

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81128A03.D

Date : 29-NOV-2007 11:25

Client ID: BFB29

Instrument: msd8.i

Sample Info: 8nov2907.b, BFB1129

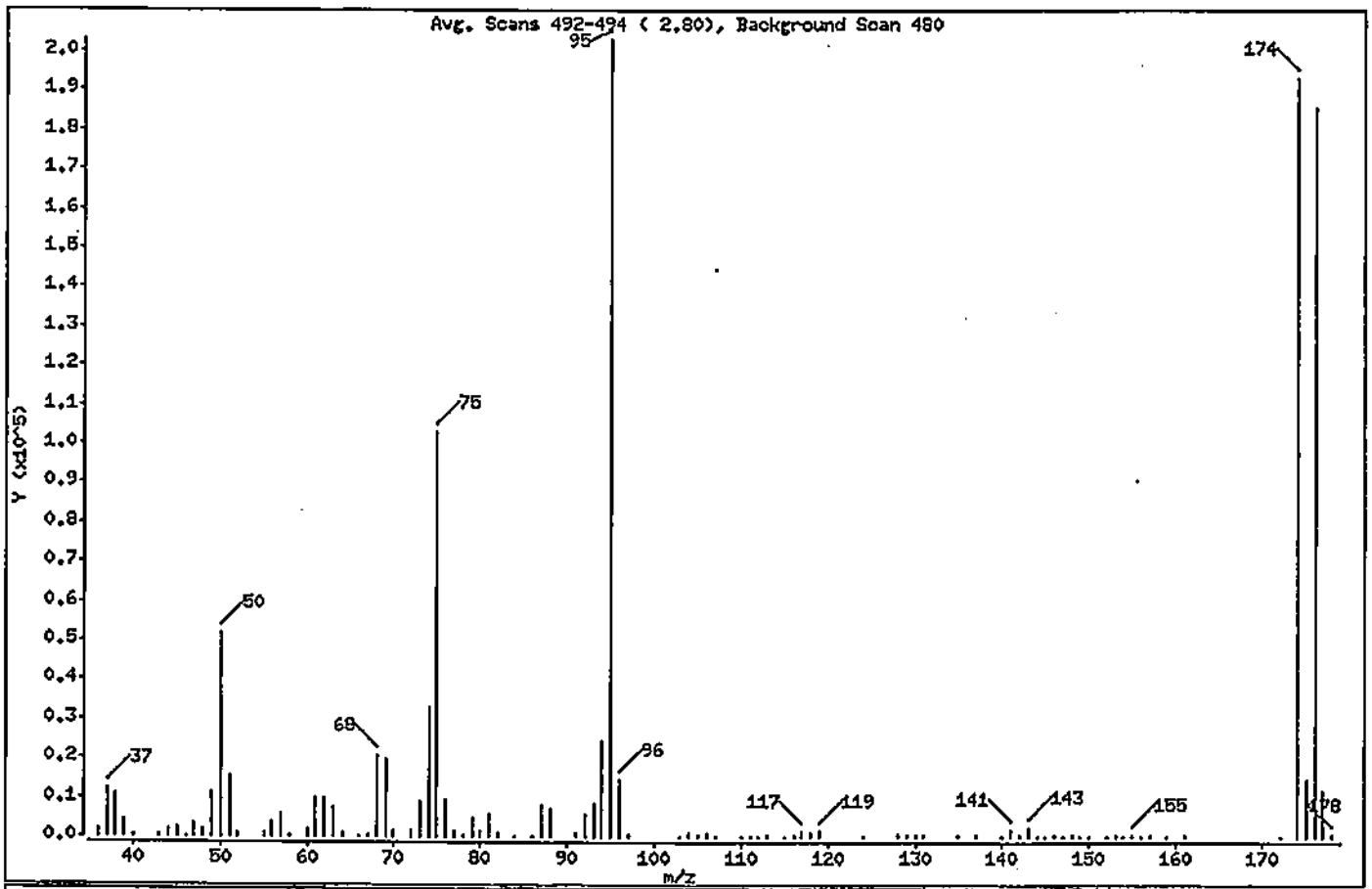
Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.53
75	30.00 - 80.00% of mass 95	50.75
96	5.00 - 9.00% of mass 95	7.04
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	95.20
175	5.00 - 9.00% of mass 174	7.16 (7.52)
176	95.00 - 101.00% of mass 174	91.38 (95.99)
177	5.00 - 9.00% of mass 176	5.73 (6.27)

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81128A03.D

Date : 29-NOV-2007 11:25

Client ID: BFB29

Instrument: msd8.i

Sample Info: 8nov2907.b, BFB1129

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Data File: 81128A03.D

Spectrum: Avg. Scans 492-494 (2.80), Background Scan 480

Location of Maximum: 95.00

Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2039	67.00	450	97.00	387	143.00	2233
37.00	12098	68.00	20344	103.00	113	144.00	121
38.00	10634	69.00	19808	104.00	761	145.00	57
39.00	4066	70.00	1625	105.00	304	146.00	284
40.00	423	72.00	1237	106.00	771	147.00	146
43.00	349	73.00	9038	107.00	209	148.00	596
44.00	1955	74.00	32888	110.00	124	149.00	86
45.00	2268	75.00	102896	111.00	144	150.00	172
46.00	145	76.00	9253	112.00	121	152.00	108
47.00	3324	77.00	1216	113.00	239	153.00	292
48.00	1748	78.00	573	115.00	207	154.00	117
49.00	11116	79.00	4779	116.00	572	155.00	665
50.00	51760	80.00	1301	117.00	1194	156.00	77
51.00	15496	81.00	5651	118.00	778	157.00	380
52.00	738	82.00	984	119.00	1190	159.00	232
55.00	738	84.00	55	124.00	93	161.00	367
56.00	3643	86.00	146	128.00	642	172.00	199
57.00	5830	87.00	7746	129.00	345	174.00	193024
58.00	291	88.00	7124	130.00	695	175.00	14511
60.00	2013	91.00	795	131.00	417	176.00	185280
61.00	9997	92.00	5424	135.00	290	177.00	11608
62.00	10029	93.00	8399	137.00	412	178.00	325
63.00	7246	94.00	24368	140.00	64		
64.00	790	95.00	202752	141.00	1837		
66.00	66	96.00	14278	142.00	274		

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK28

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68608-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B08

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.31	J
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	0.94	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.34	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK28

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68608-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B08

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK28

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68608-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B08

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLK28

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68608-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81128B08

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/28/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
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26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D
Lab Smp Id: 8VBLK28 Client Smp ID: VBLK28
Inj Date : 28-NOV-2007 14:55
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, 8VBLK28
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:00 Cal File: 81128B03.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	1.152	1.152	(0.217)	4604	0.30567	0.3056(a)
$ 3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	19816	5.49294	5.4929
4 Vinyl Chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
$ 6 Chloroethane-d5	69	1.466	1.466	(0.276)	21347	5.36410	5.3641
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
$ 12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	75596	3.52259	3.5225
13 1,1-Dichloroethene	96	Compound Not Detected.					
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14 Acetone	43	2.033	2.033	(0.383)	3656	0.93991	0.9399(a)
15 Carbon Disulfide	76	Compound Not Detected.					
16 Methyl Acetate	43	Compound Not Detected.					
17 Methylene Chloride	84	2.347	2.347	(0.442)	3698	0.33675	0.3367(a)
20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
23 1,1-Dichloroethane	63	Compound Not Detected.					
$ 25 2-Butanone-d5	46	3.633	3.643	(0.684)	303362	47.7530	47.7530
26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
28 2-Butanone	43	Compound Not Detected.					
29 Bromochloromethane	128	Compound Not Detected.					
$ 30 Chloroform-d	84	4.058	4.068	(0.764)	86050	4.44381	4.4438(Q)
31 Chloroform	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	57720	4.52874	4.5287
$	36 Benzene-d6	84	4.716	4.716	(0.510)	157661	4.42229	4.4222
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	175661	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	49100	4.11069	4.1106
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.144	6.124	(1.156)	8438	202.867	202.8672(Q)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	93401	4.30932	4.3093
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.268	(0.787)	141669	4.32069	4.3206
	53 Toluene	91	Compound Not Detected.					
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	Compound Not Detected.					
$	58 2-Hexanone-d5	63	8.281	8.291	(0.895)	199068	47.8627	47.8626
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	167261	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	44843	4.44363	4.4436
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	102873	5.00000	(Q)
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	74160	4.54262	4.5426
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D
Lab Smp Id: 8VBLK28 Client Smp ID: VBLK28
Inj Date : 28-NOV-2007 14:55
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2807b.b, 8VBLK28
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\TRACE-8.m
Meth Date : 29-Nov-2007 09:00 dlb Quant Type: ISTD
Cal Date : 28-NOV-2007 13:00 Cal File: 81128B03.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D

Date : 28-NOV-2007 14:55

Client ID: VBLK28

Sample Info: 8nov2807b.b, 8VBLK28

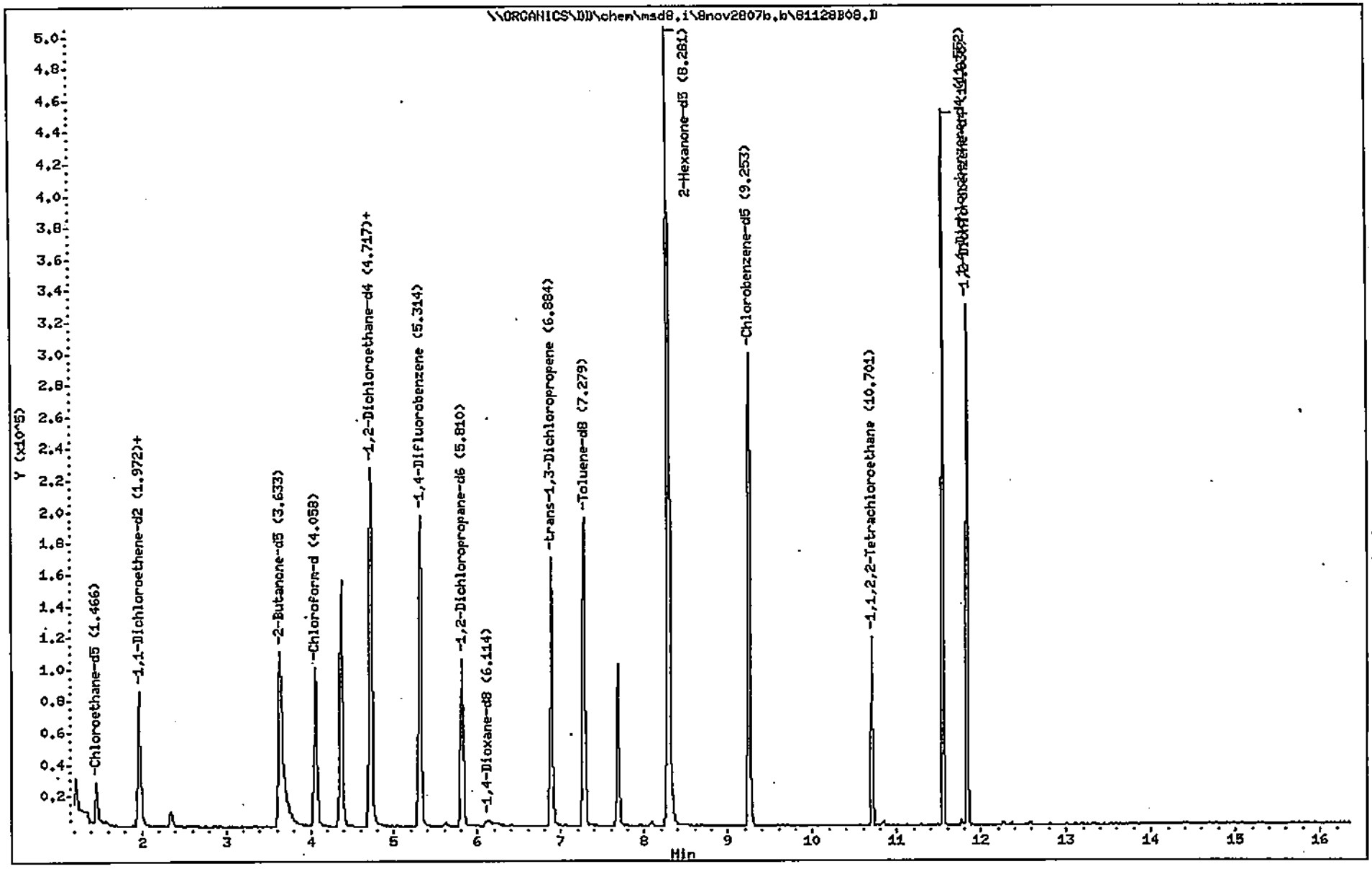
Purge Volume: 25.0

Column phase: DB-624

Instrument: msd8.i

Operator: DLB

Column diameter: 0.18



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D

Date : 28-NOV-2007 14:55

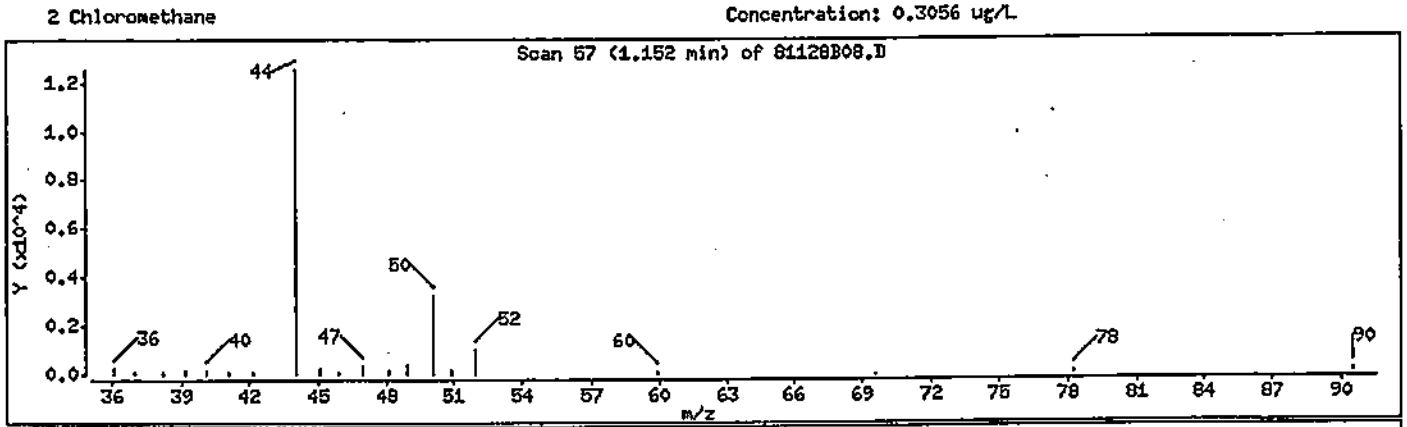
Client ID: VBLK28 | Instrument: msd8.i

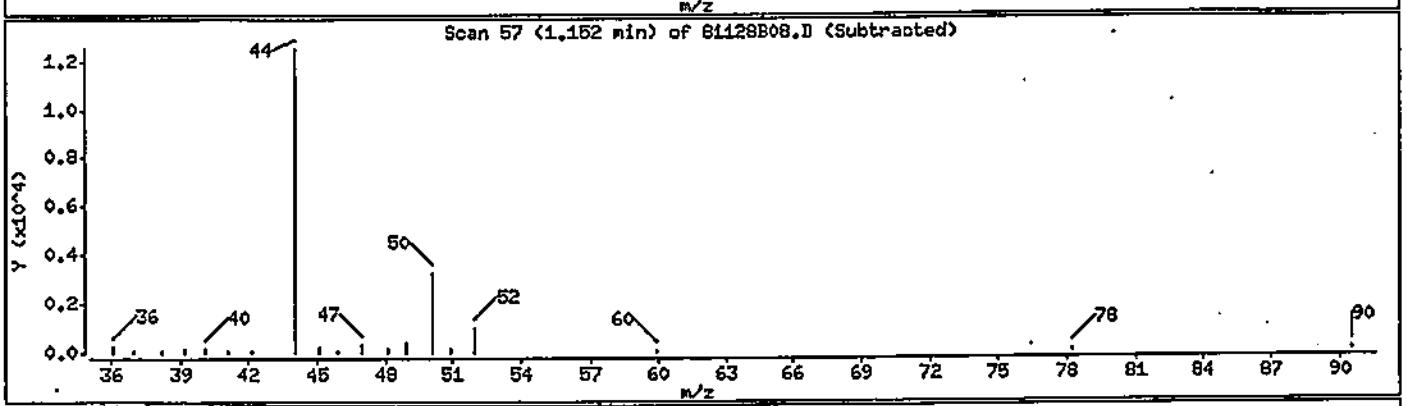
Sample Info: 8nov2807b.b, 8VBLK28

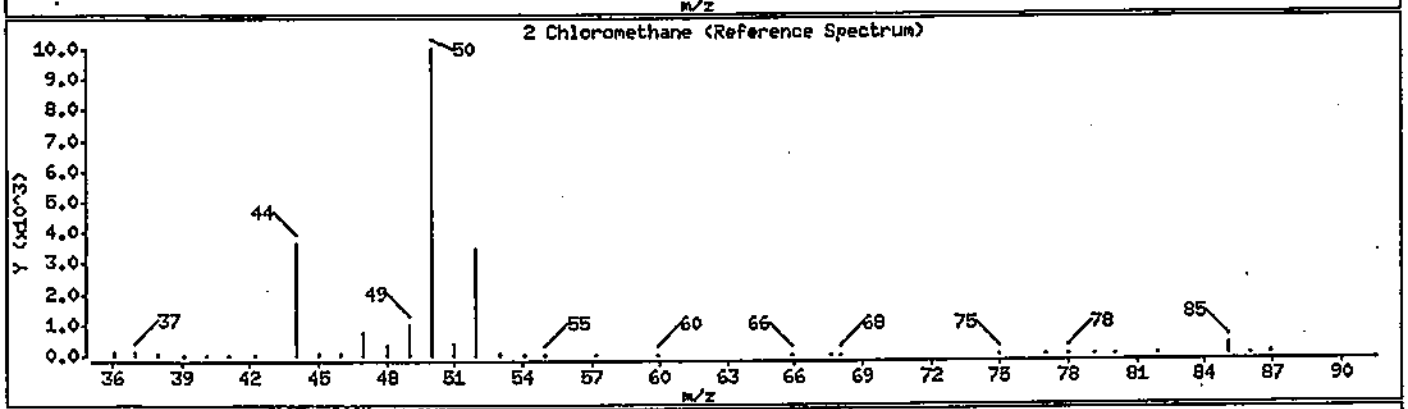
Purge Volume: 25.0 | Operator: DLB

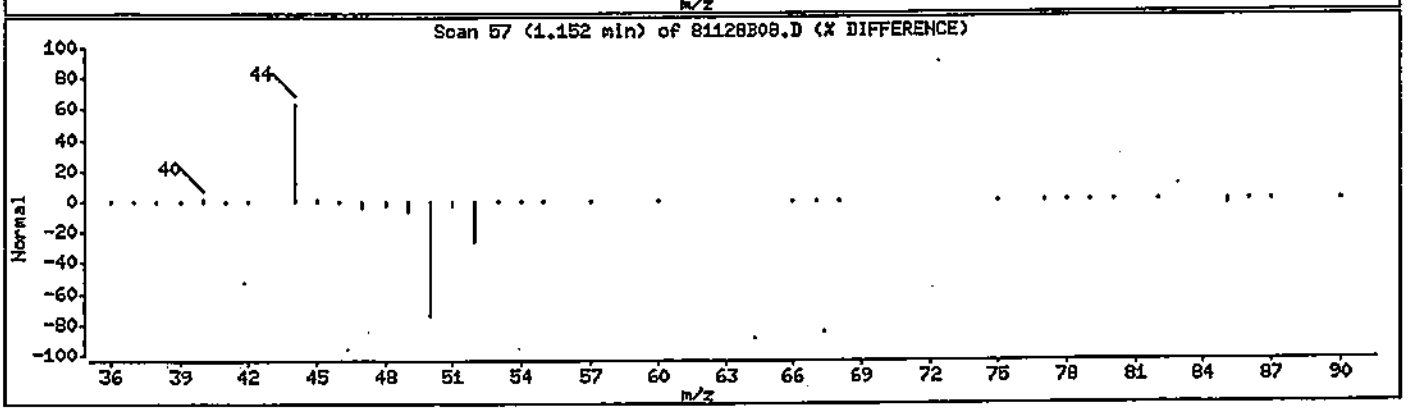
Column phase: DB-624 | Column diameter: 0.18

2 Chloromethane | Concentration: 0.3056 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D

Date : 28-NOV-2007 14:55

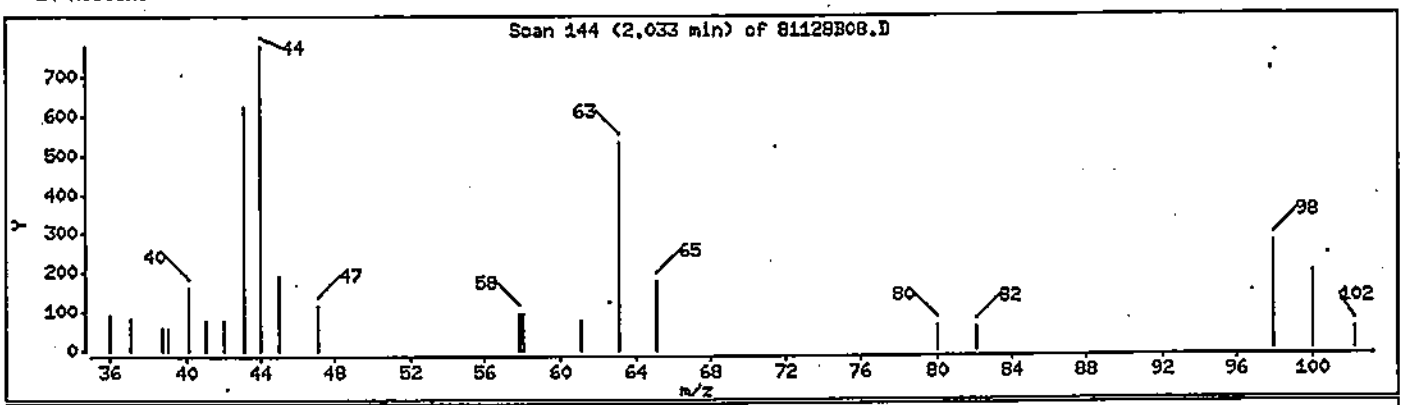
Client ID: VBLK28 | Instrument: msd8.i

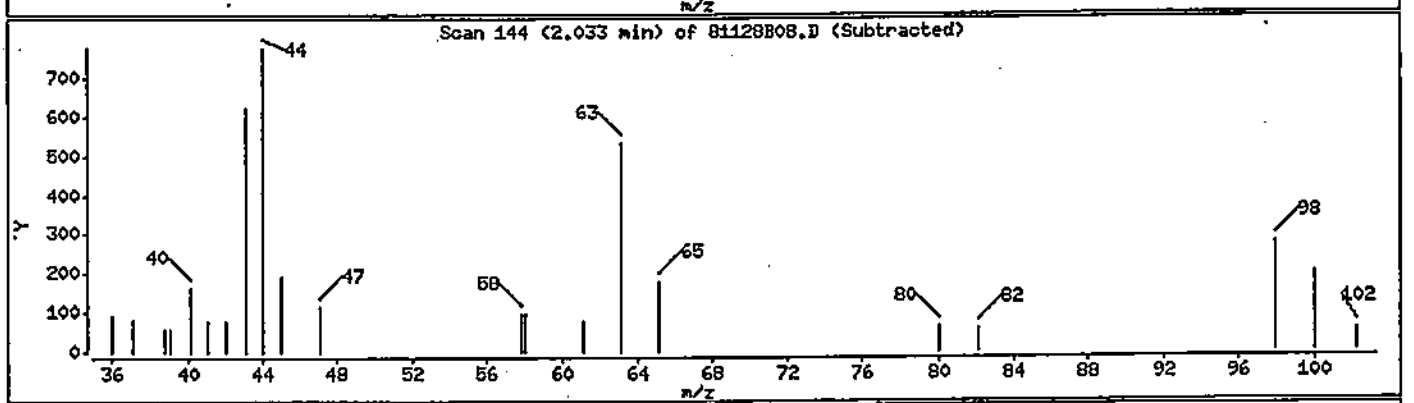
Sample Info: 8nov2807b.b, 8VBLK28

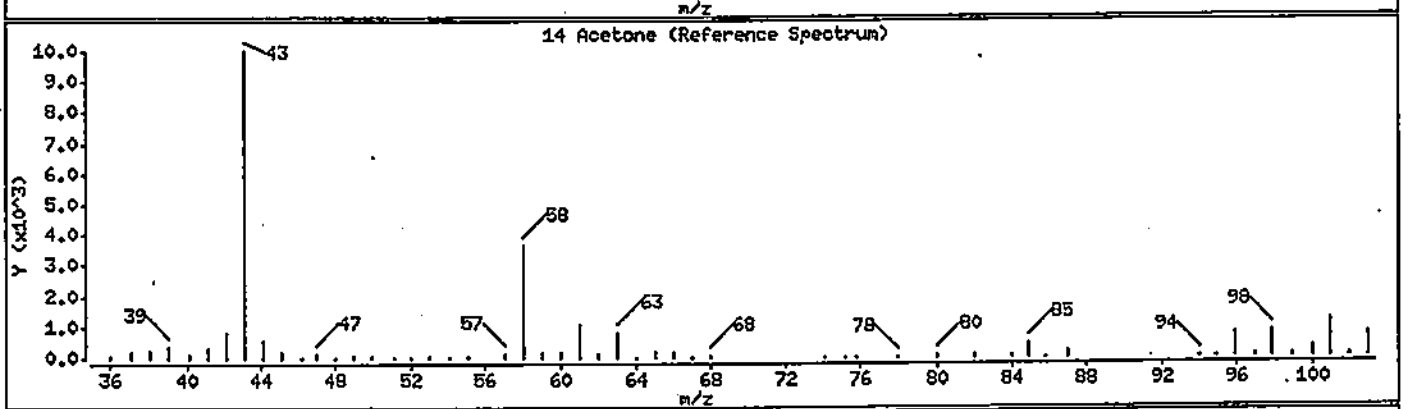
Purge Volume: 25.0 | Operator: DLB

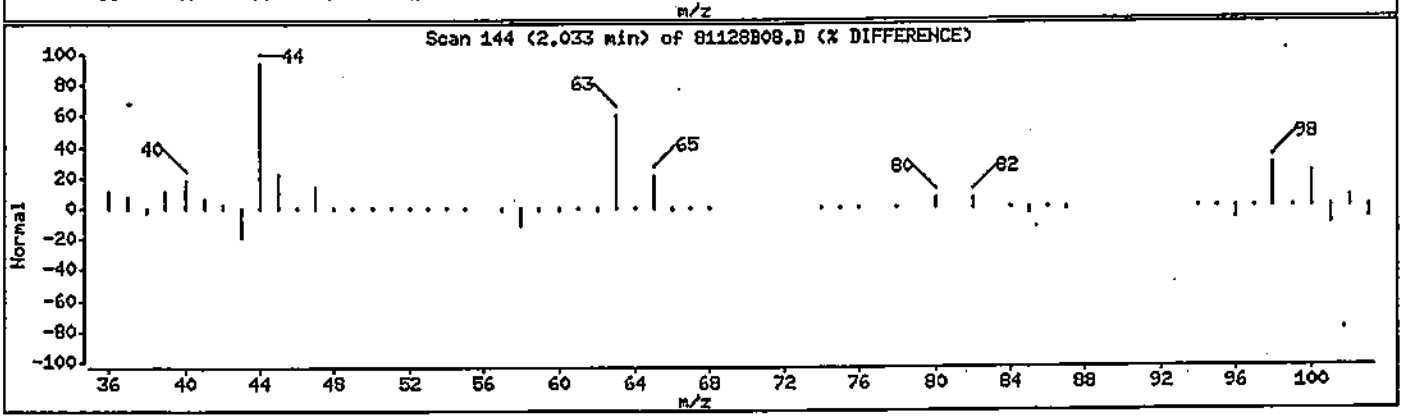
Column phase: DB-624 | Column diameter: 0.18

14 Acetone | Concentration: 0.9399 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2807b.b\81128B08.D

Date : 28-NOV-2007 14:55

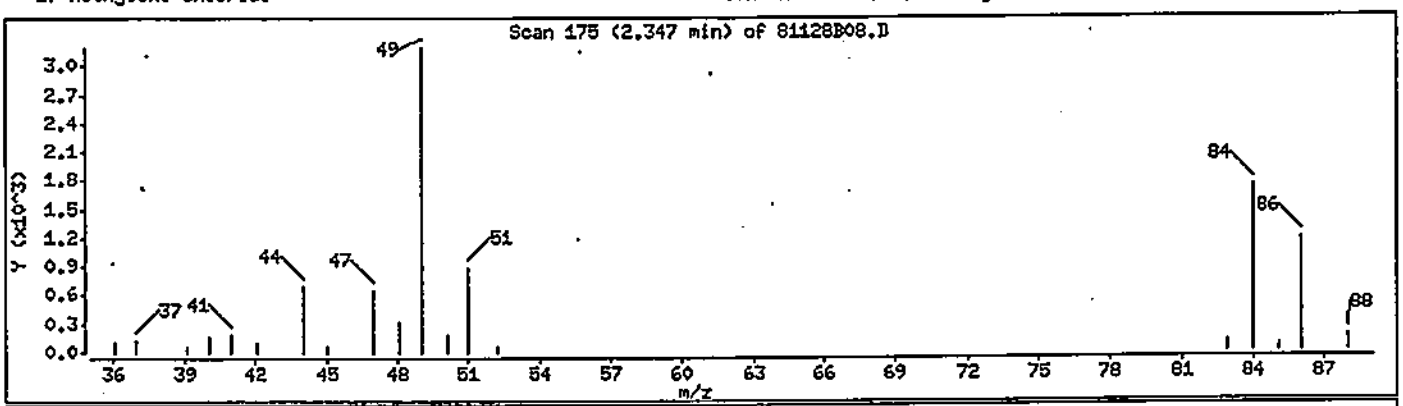
Client ID: VBLK28 Instrument: msd8.i

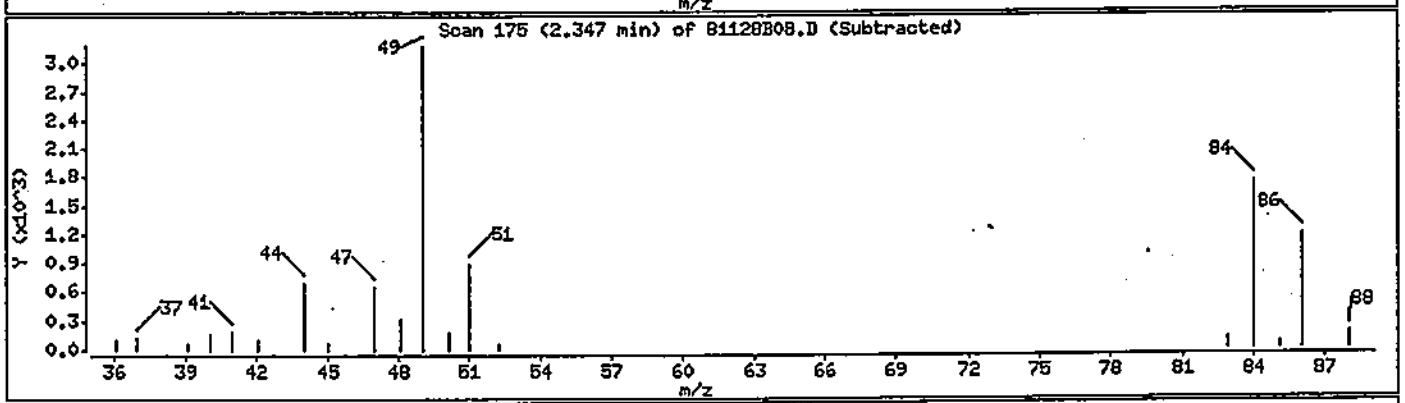
Sample Info: 8nov2807b.b, 8VBLK28

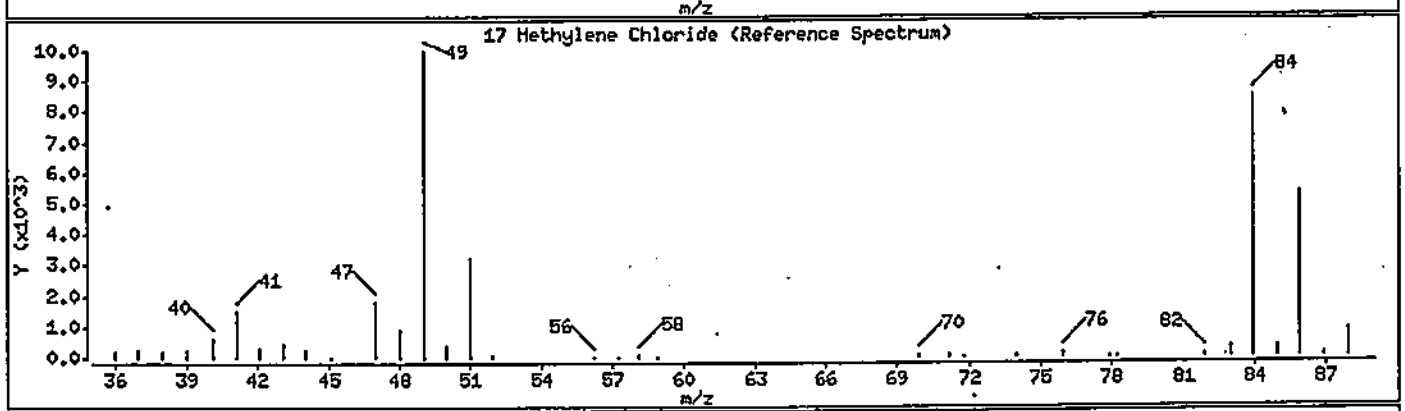
Purge Volume: 25.0 Operator: DLB

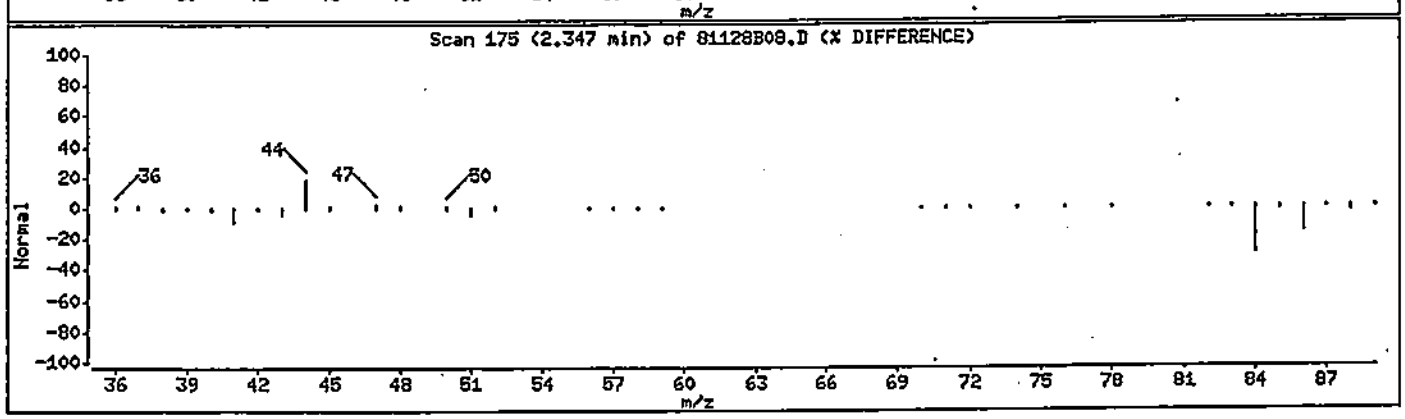
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3367 ug/L









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK29

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68703-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A06

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.25	J
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.062	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	0.90	J
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.33	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.11	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK29

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68703-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A06

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLK29

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68703-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A06

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLK29

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68703-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A06

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
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24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D
Lab Smp Id: 8BLK1129 Client Smp ID: VBLK29
Inj Date : 29-NOV-2007 12:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, 8BLK1129
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	1.152	1.152	(0.217)	4361	0.25161	0.2516(a)
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	23689	5.70643	5.7064
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.465	(0.276)	24683	5.38999	5.3859
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	89904	3.64059	3.6405
	13 1,1-Dichloroethene	96	1.972	1.982	(0.371)	627	0.06240	0.0623(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.022	2.012	(0.381)	4021	0.89835	0.8983(a)
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.346	(0.442)	4126	0.32651	0.3265(a)
	20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	23 1,1-Dichloroethane	63	Compound Not Detected.					
$	25 2-Butanone-d5	46	3.632	3.632	(0.684)	354274	48.4628	48.4628
	26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.058	4.058	(0.764)	96601	4.33526	4.3352(Q)
	31 Chloroform	83	4.088	4.088	(0.769)	2273	0.11068	0.1106(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	62599	4.26823	4.2682
$	36 Benzene-d6	84	4.716	4.716	(0.510)	187885	4.53887	4.5388
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	202137	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	58952	4.25074	4.2507
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.184	6.113	(1.164)	13407	280.113	280.1132(M)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	106640	4.23750	4.2375
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.278	(0.787)	170284	4.47285	4.4728
	53 Toluene	91	Compound Not Detected.					
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	Compound Not Detected.					
$	58 2-Hexanone-d5	63	8.291	8.280	(0.896)	230045	47.6366	47.6365
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	194206	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	49563	4.22992	4.2299
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	117612	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	82461	4.41809	4.4180
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

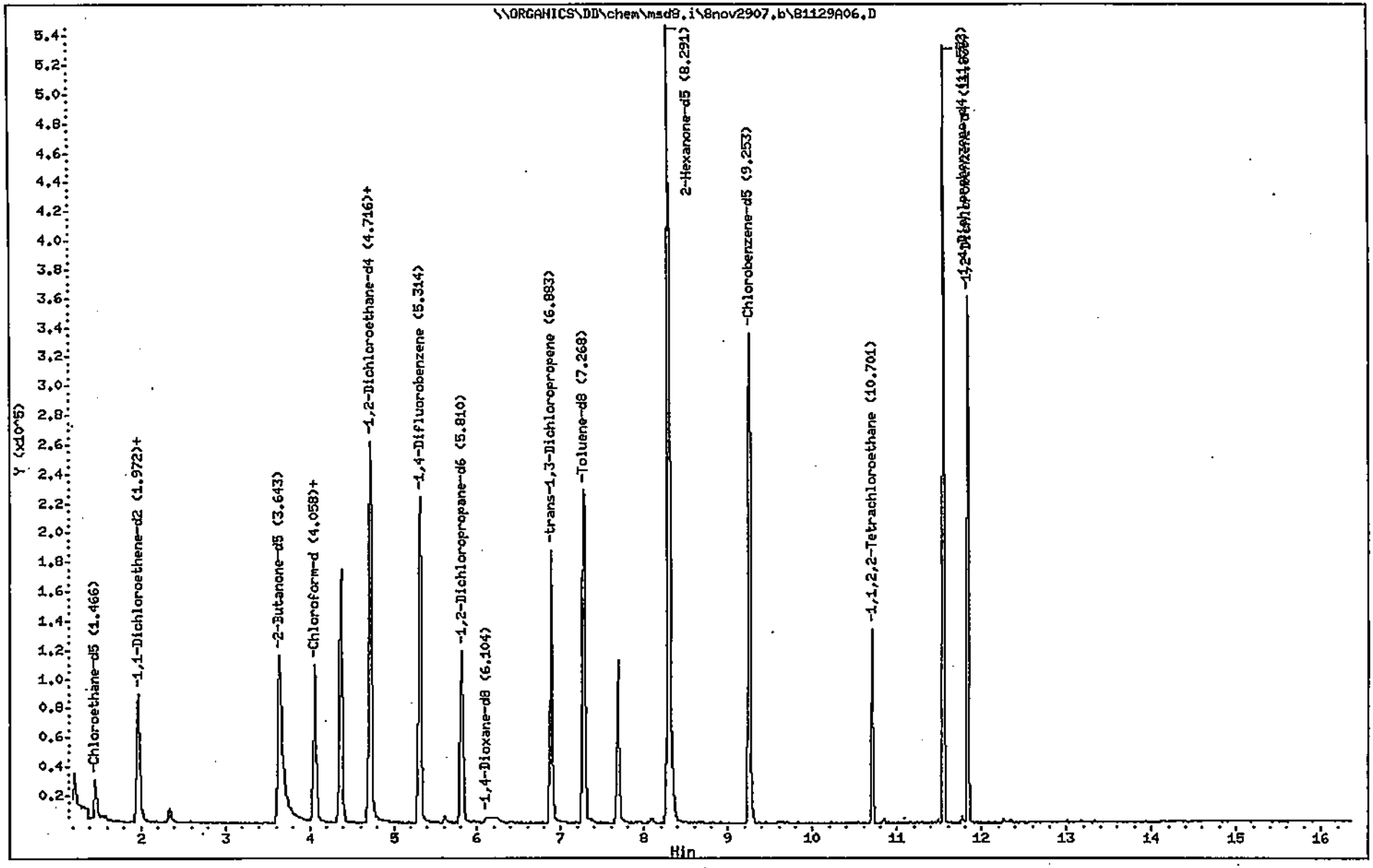
Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D
Lab Smp Id: 8BLK1129 Client Smp ID: VBLK29
Inj Date : 29-NOV-2007 12:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, 8BLK1129
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D
Date : 29-NOV-2007 12:54
Client ID: VBLK29
Sample Info: 8nov2907.b, 8BLK1129
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D

Date : 29-NOV-2007 12:54

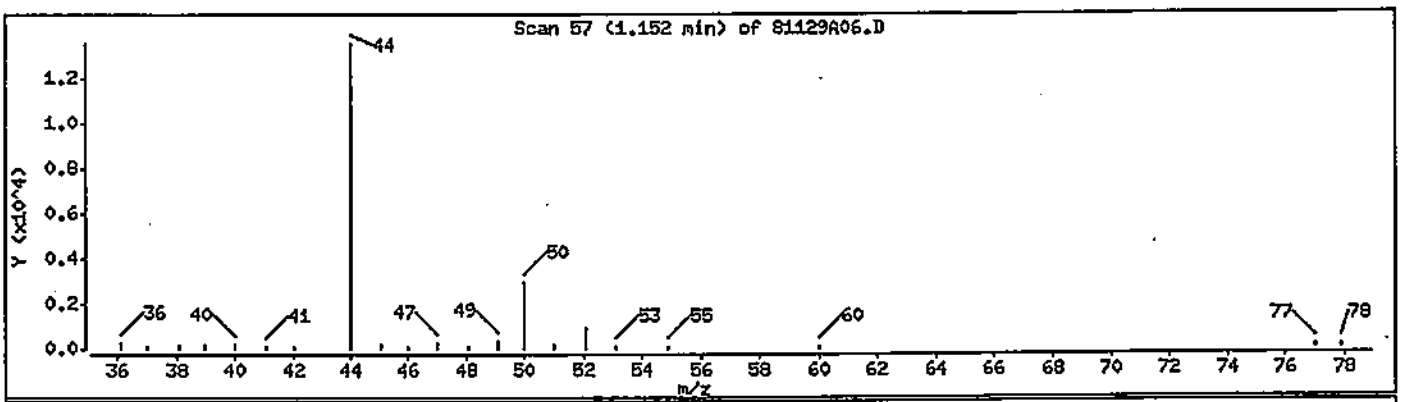
Client ID: VBLK29 | Instrument: msd8.i

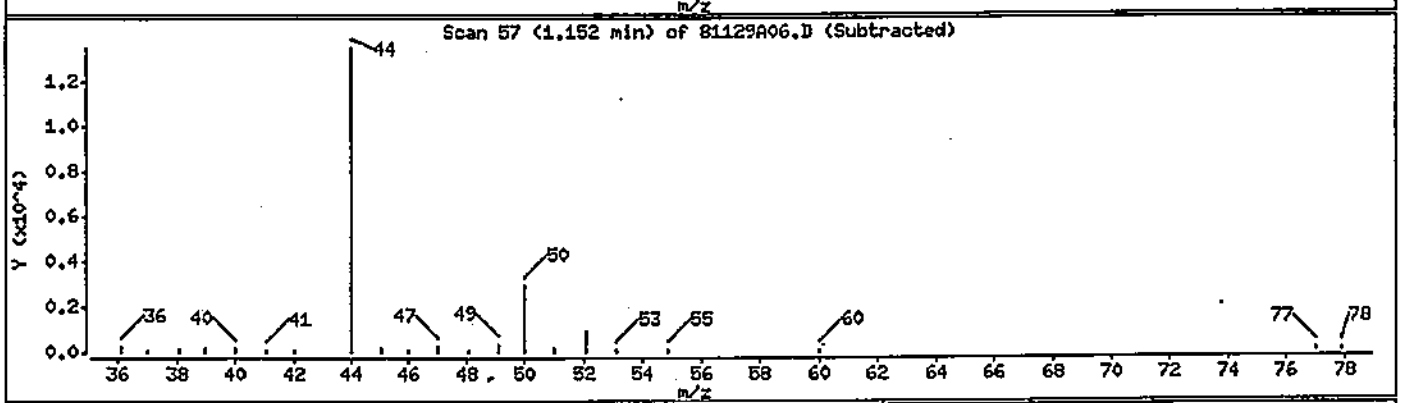
Sample Info: 8nov2907.b, 8BLK1129

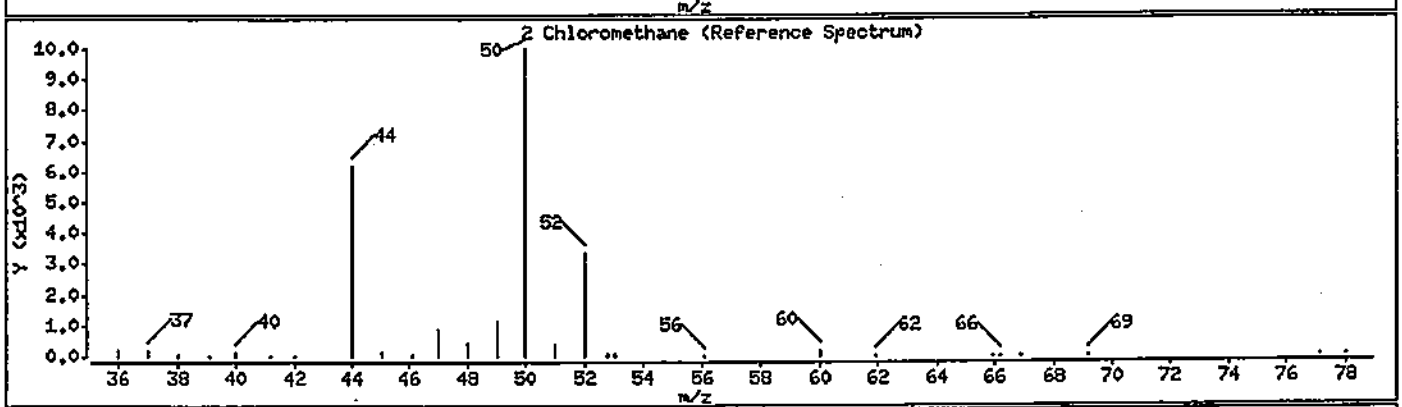
Purge Volume: 25.0 | Operator: DLB

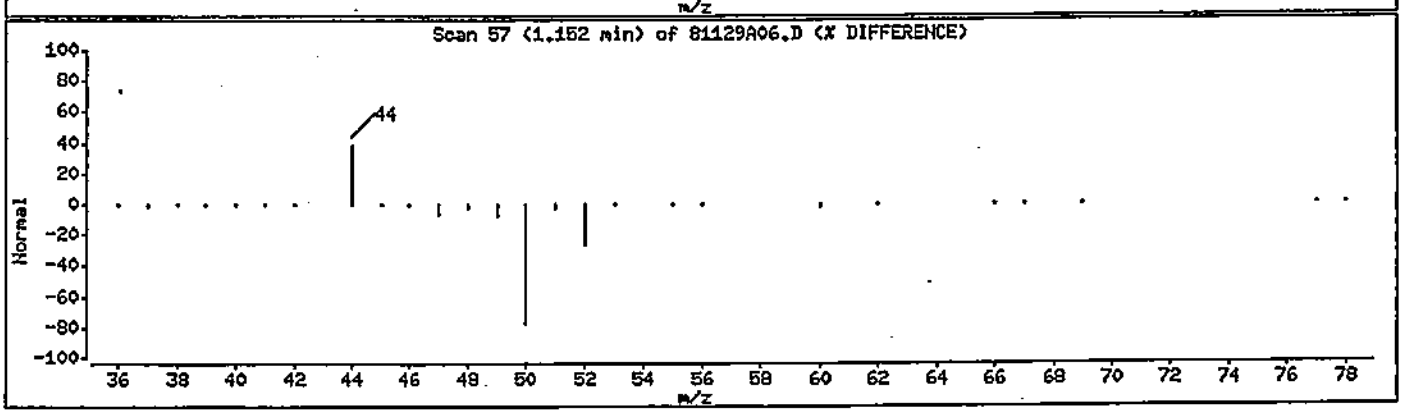
Column phase: DB-624 | Column diameter: 0.18

2 Chloromethane | Concentration: 0.2516 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D

Date : 29-NOV-2007 12:54

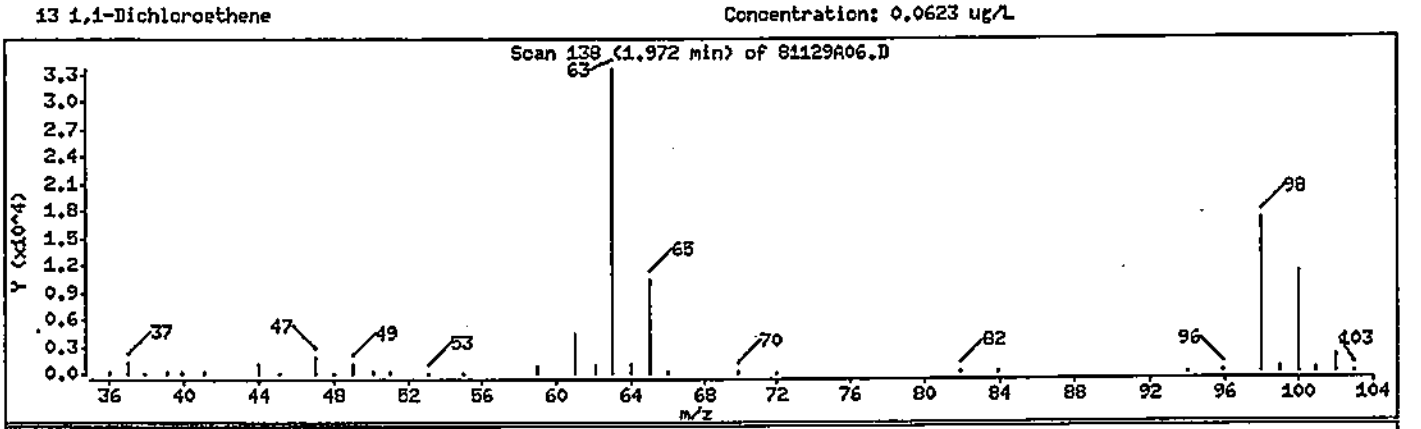
Client ID: VBLK29 Instrument: msd8.i

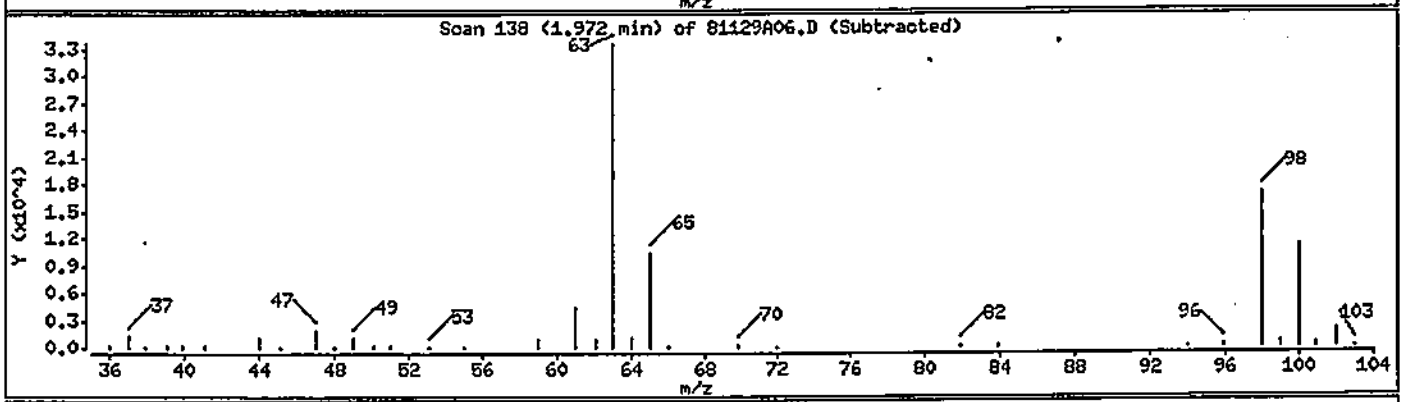
Sample Info: 8nov2907.b, 8BLK1129

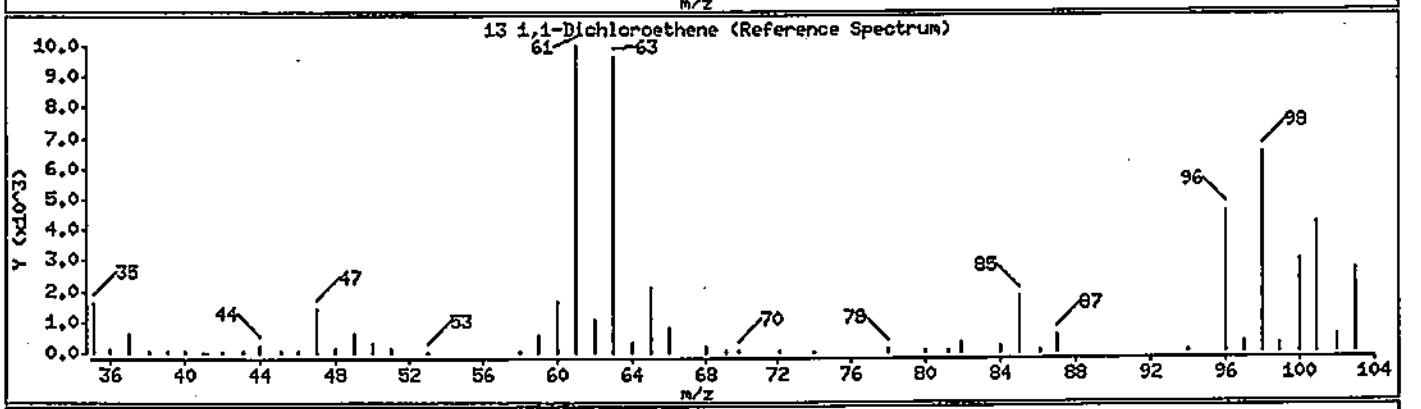
Purge Volume: 25.0 Operator: DLB

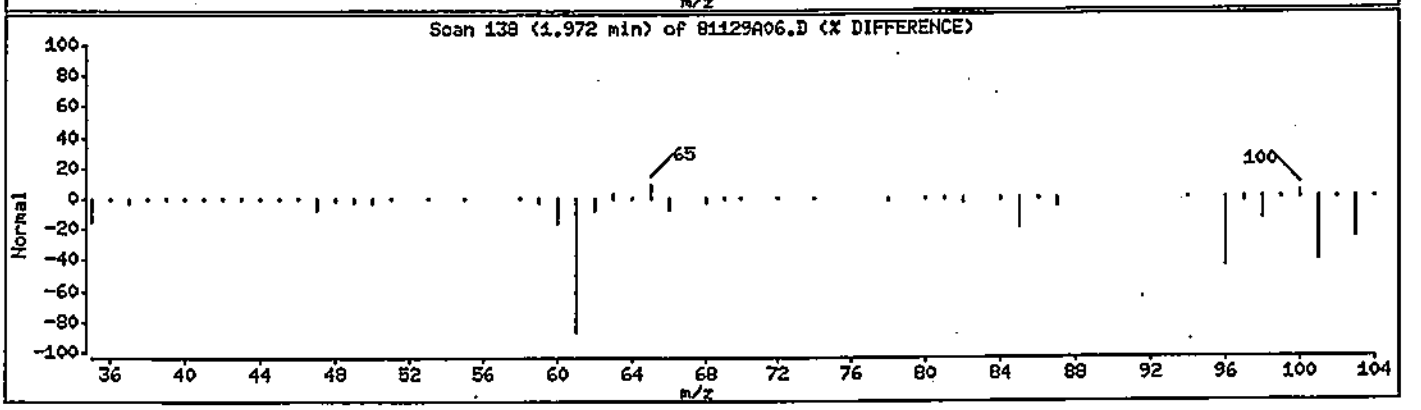
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0623 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D

Date : 29-NOV-2007 12:54

Client ID: VBLK29

Instrument: msd8.i

Sample Info: 8nov2907.b, 8BLK1129

Purge Volume: 25.0

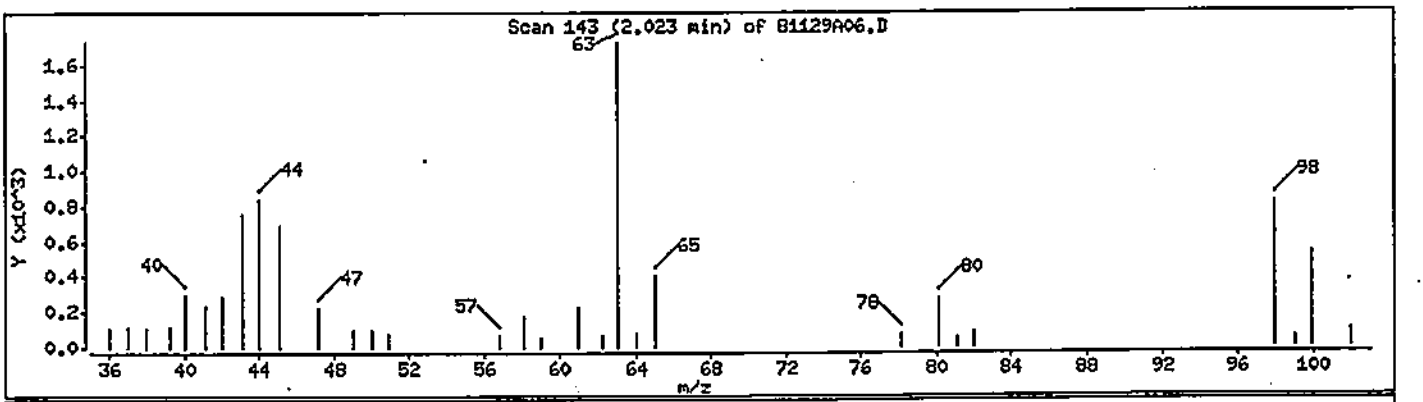
Operator: DLB

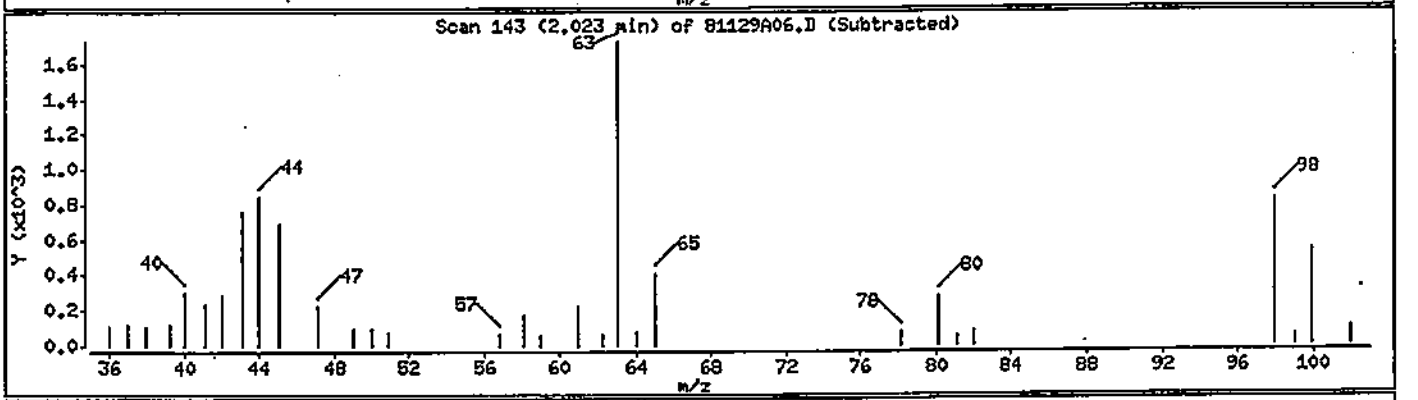
Column phase: DB-624

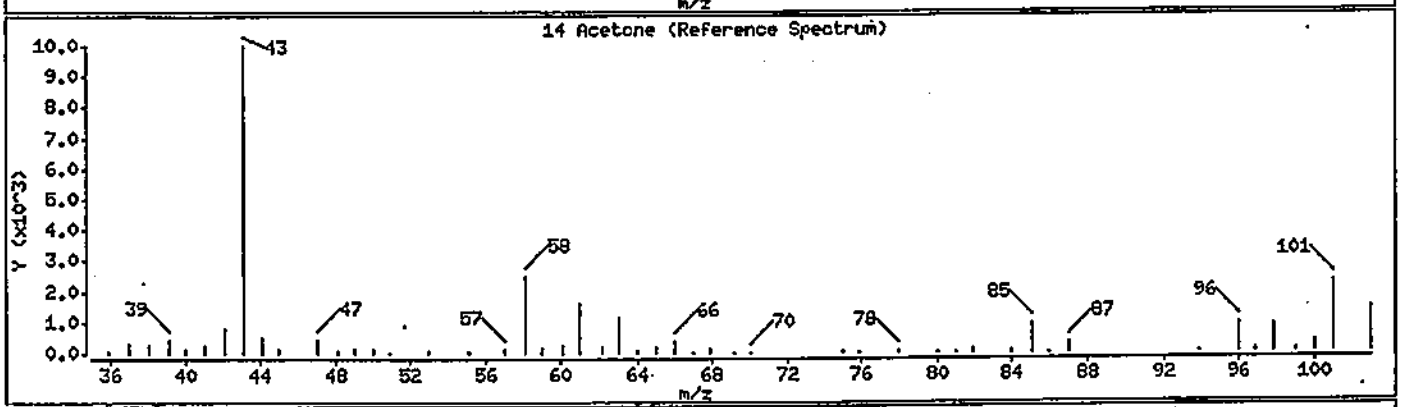
Column diameter: 0.18

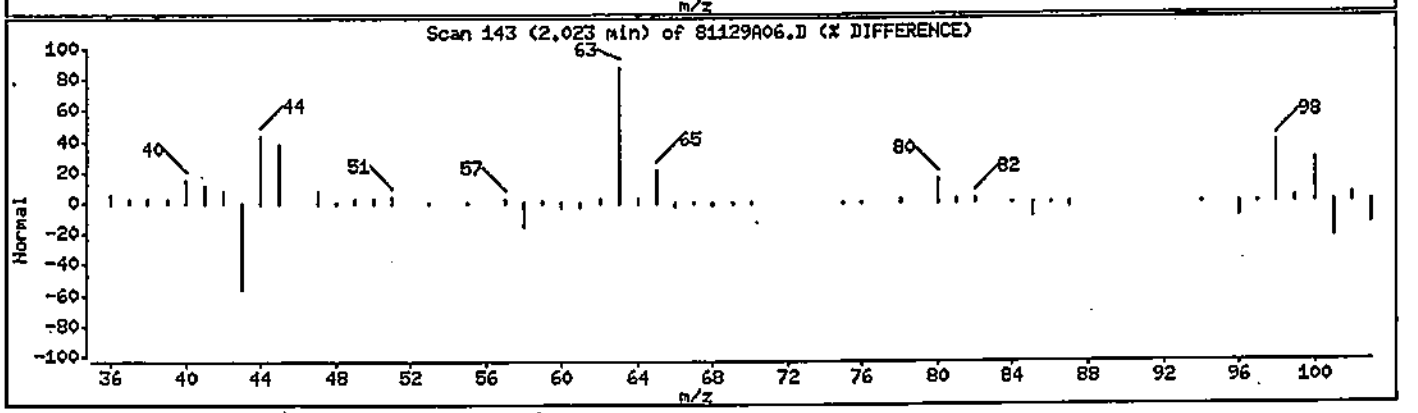
14 Acetone

Concentration: 0.8983 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A06.D

Date : 29-NOV-2007 12:54

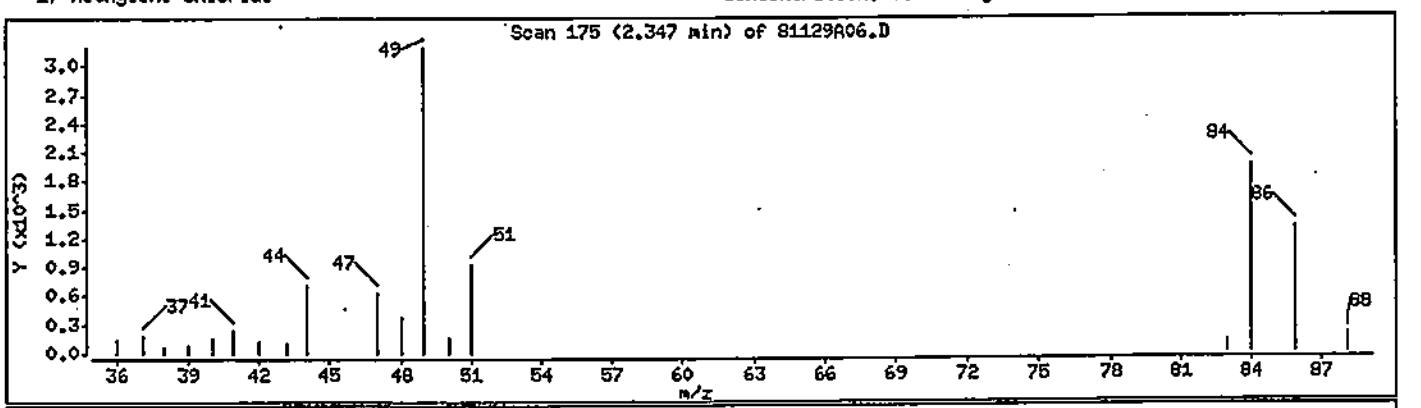
Client ID: VBLK29 Instrument: msd8.i

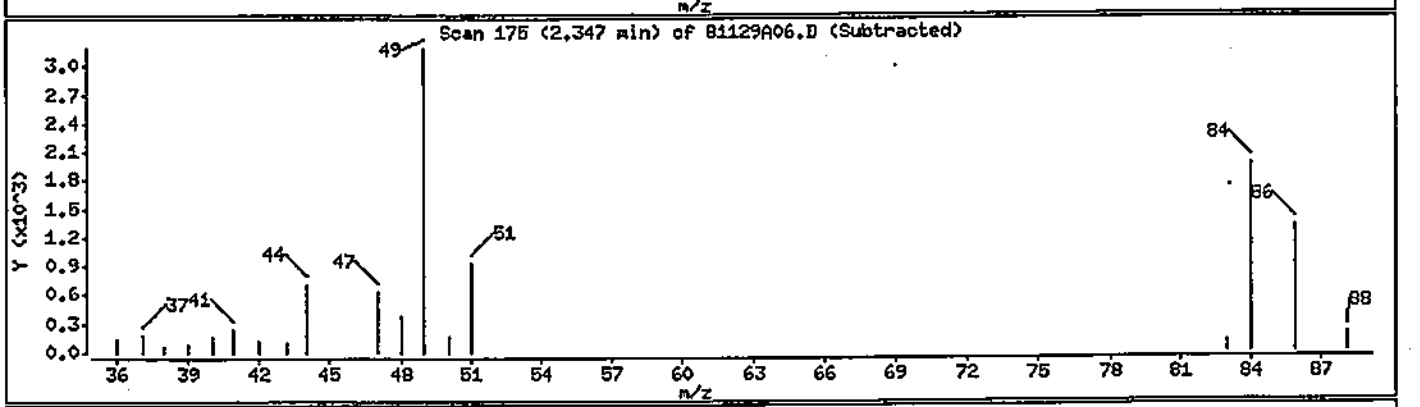
Sample Info: 8nov2907.b, 8BLK1129

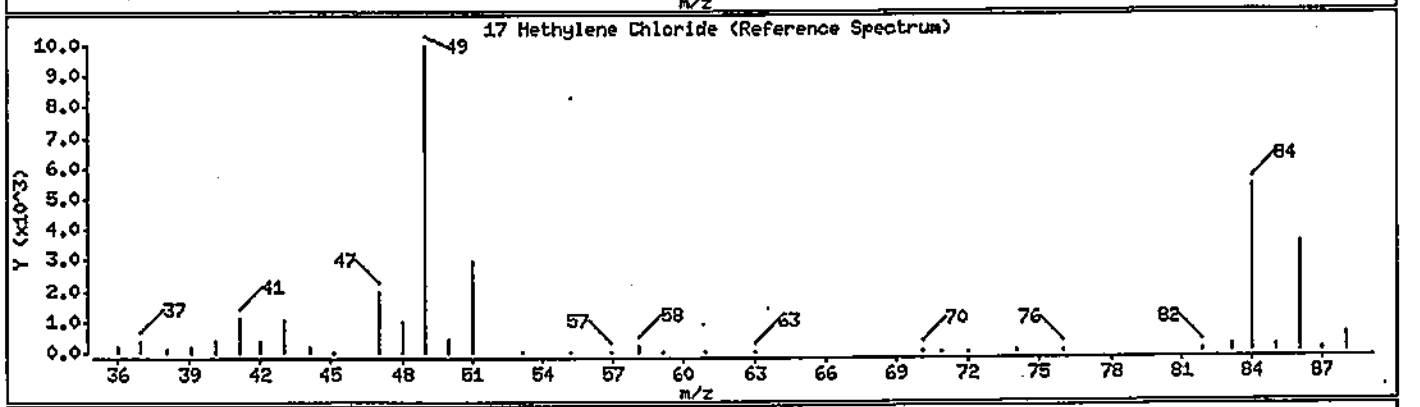
Purge Volume: 25.0 Operator: DLB

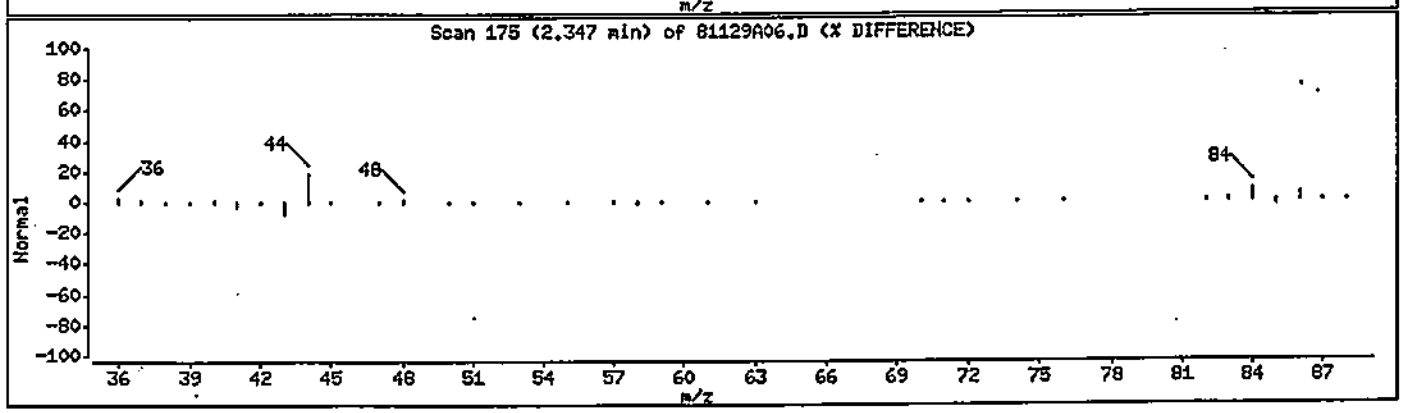
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3265 ug/L









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Date : 29-NOV-2007 12:54

Client ID: VBLK29

Instrument: msd8.i

Sample Info: 8nov2907.b, 8BLK1129

Purge Volume: 25.0

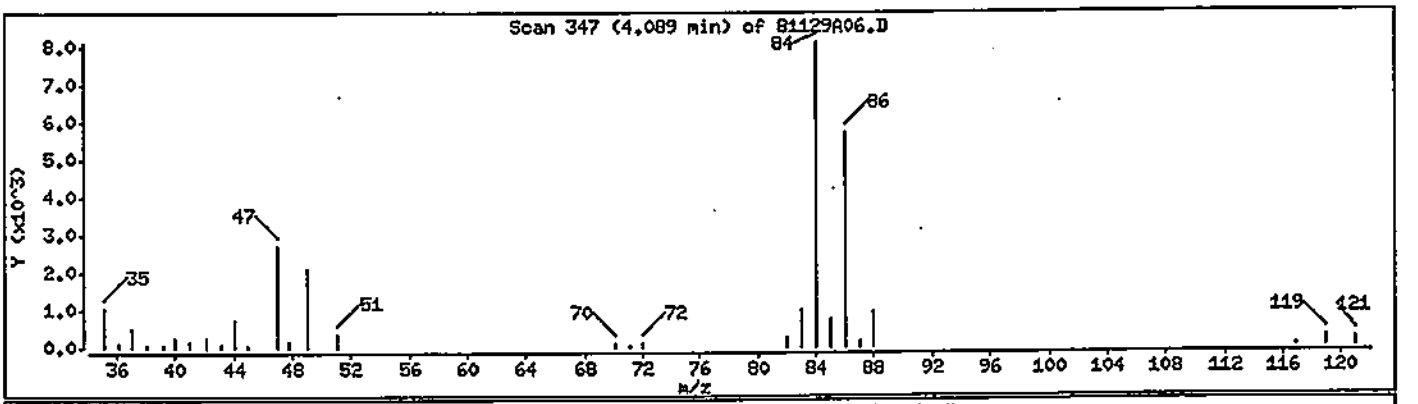
Operator: DLB

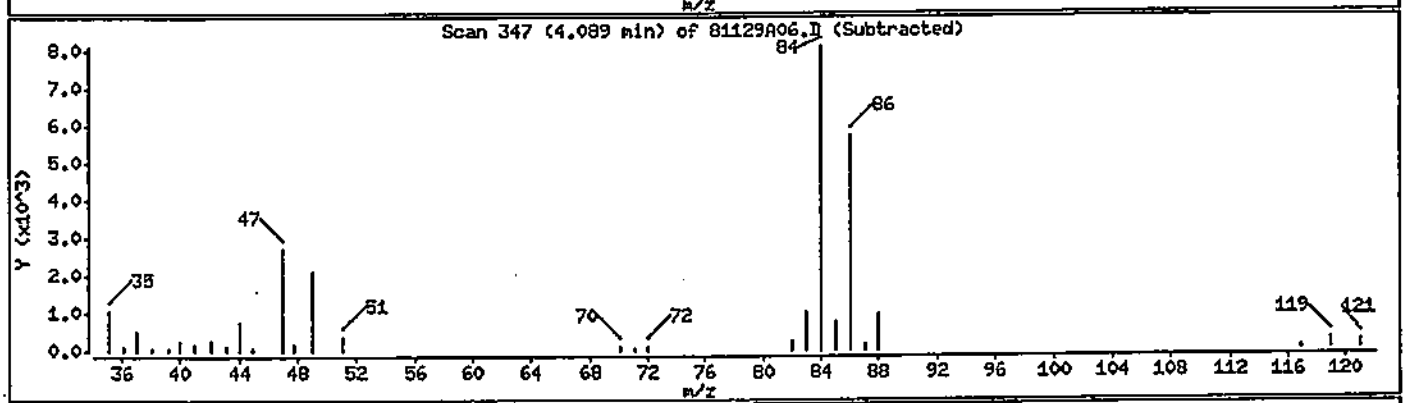
Column phase: DB-624

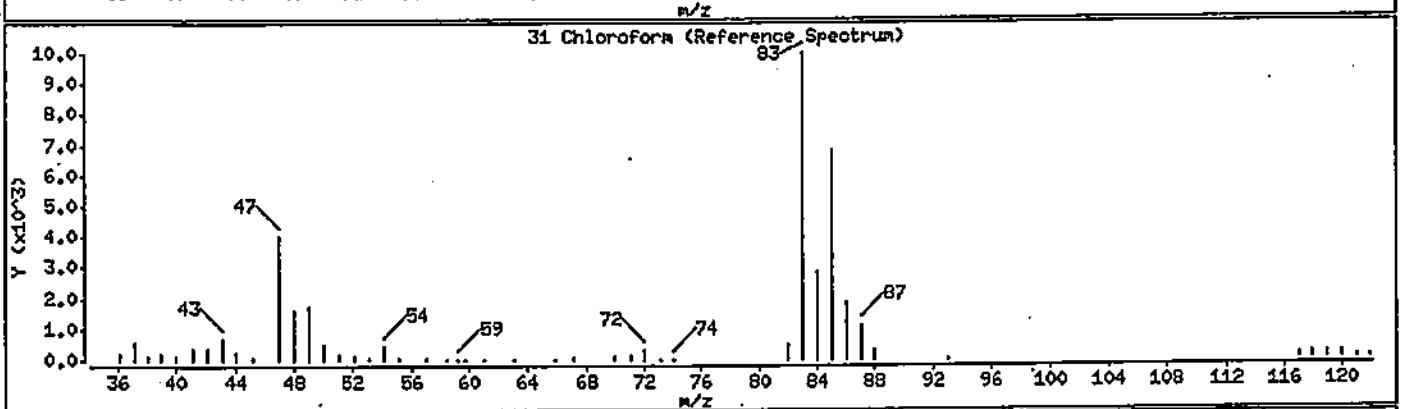
Column diameter: 0.18

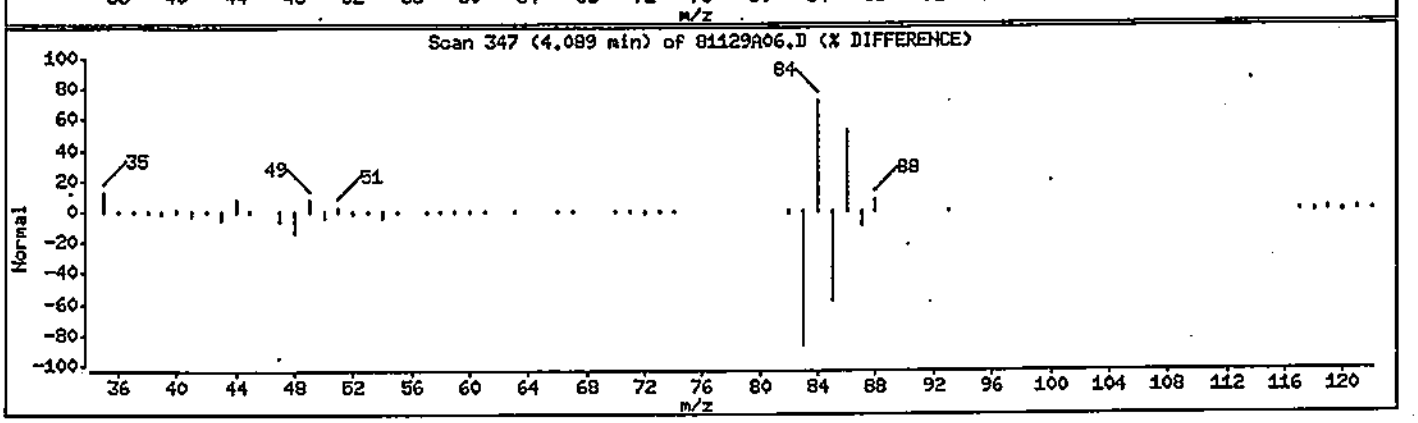
31 Chloroform

Concentration: 0.1106 ug/L









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab. File ID: 81129A08

Level: (TRACE/LOW/MED) TRACE Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.13	JB
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.071	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	0.86	JB
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.35	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A08

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A08

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK35

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A08

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A08.D
Lab Smp Id: IK21009-004 Client Smp ID: VHBLK35
Inj Date : 29-NOV-2007 13:55
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 6 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	1.152	1.152	(0.217)	2244	0.13260	0.1325(a)
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	27135	6.69435	6.6943(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.465	(0.276)	29547	6.60790	6.6079(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	99397	4.12217	4.1221
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	694	0.07073	0.0707(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.022	2.012	(0.381)	3757	0.85963	0.8596(a)
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.346	(0.442)	4262	0.34541	0.3454(a)
	20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	23 1,1-Dichloroethane	63	Compound Not Detected.					
$	25 2-Butanone-d5	46	3.632	3.632	(0.684)	333067	46.6618	46.6617
	26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.068	4.058	(0.766)	106847	4.91085	4.9108(Q)
	31 Chloroform	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	66419	4.63803	4.6380
$	36 Benzene-d6	84	4.726	4.716	(0.511)	203339	5.01928	5.0192
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	197372	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	62594	4.61172	4.6117
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.113	6.113	(1.151)	7338	157.015	157.0145(Q)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	114979	4.66846	4.6684
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.278	(0.787)	187272	5.02630	5.0263
	53 Toluene	91	Compound Not Detected.					
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	Compound Not Detected.					
$	58 2-Hexanone-d5	63	8.280	8.280	(0.895)	226241	47.8701	47.8700
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	190063	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	53799	4.69153	4.6915
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	115015	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	90944	4.98262	4.9826
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

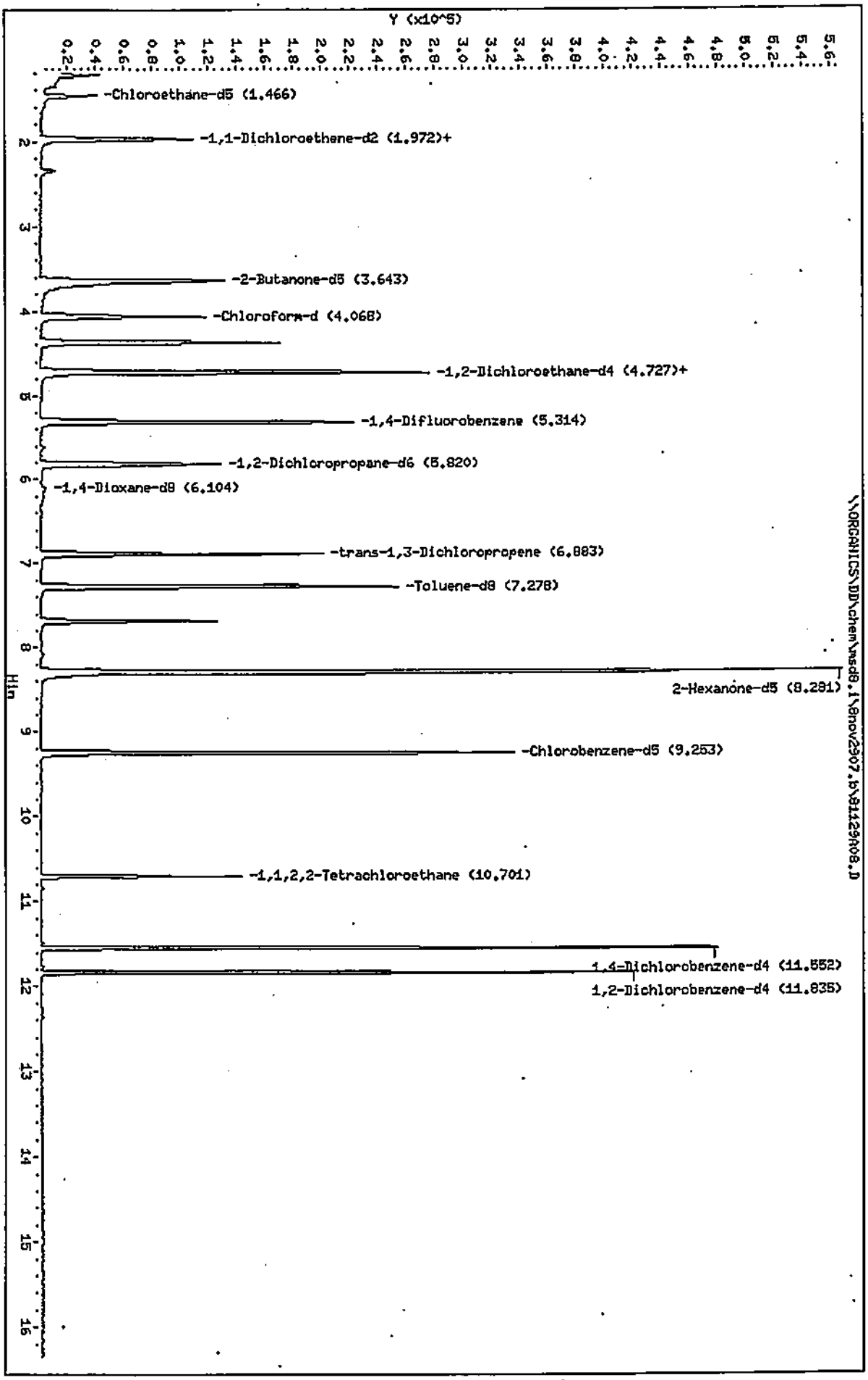
Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A08.D
Lab Smp Id: IK21009-004 Client Smp ID: VHBLK35
Inj Date : 29-NOV-2007 13:55
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 6 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A08.D
Date : 29-NOV-2007 13:55
Client ID: VHBLK35
Sample Info: 8nov2907.b, IK21009-004
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



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Date : 29-NOV-2007 13:55

Client ID: VHBLK35

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-004

Purge Volume: 25.0

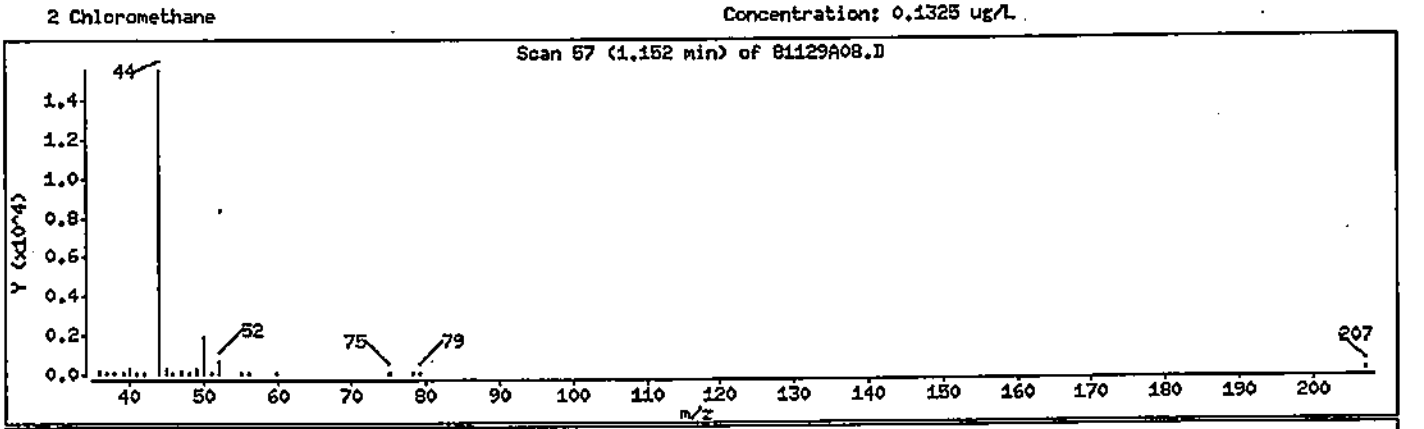
Operator: DLB

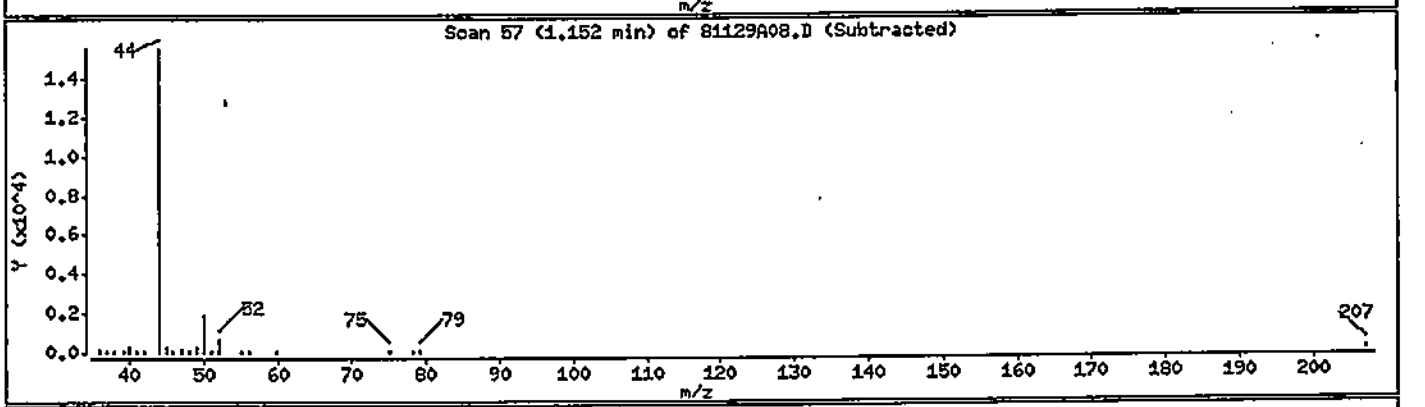
Column phase: DB-624

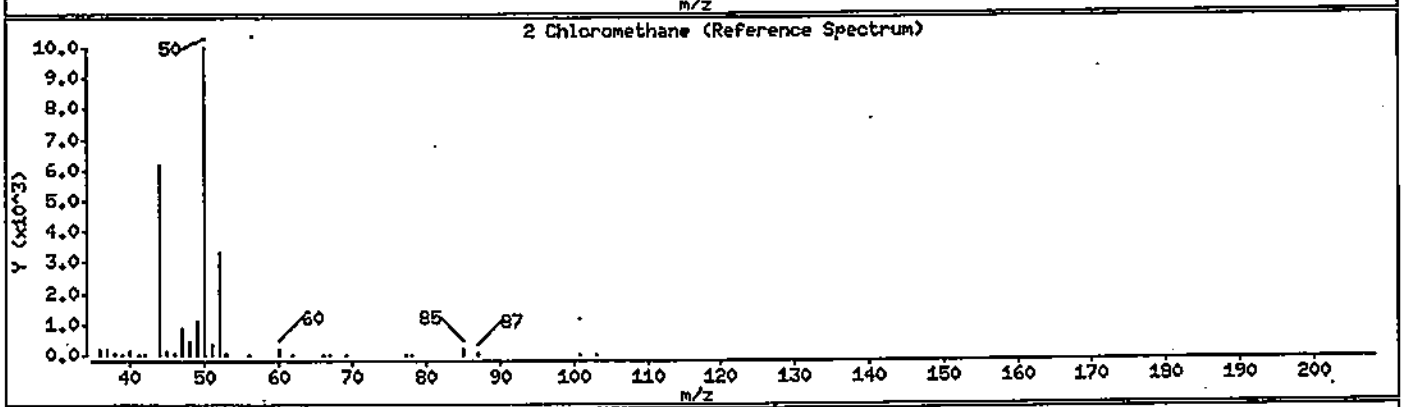
Column diameter: 0.18

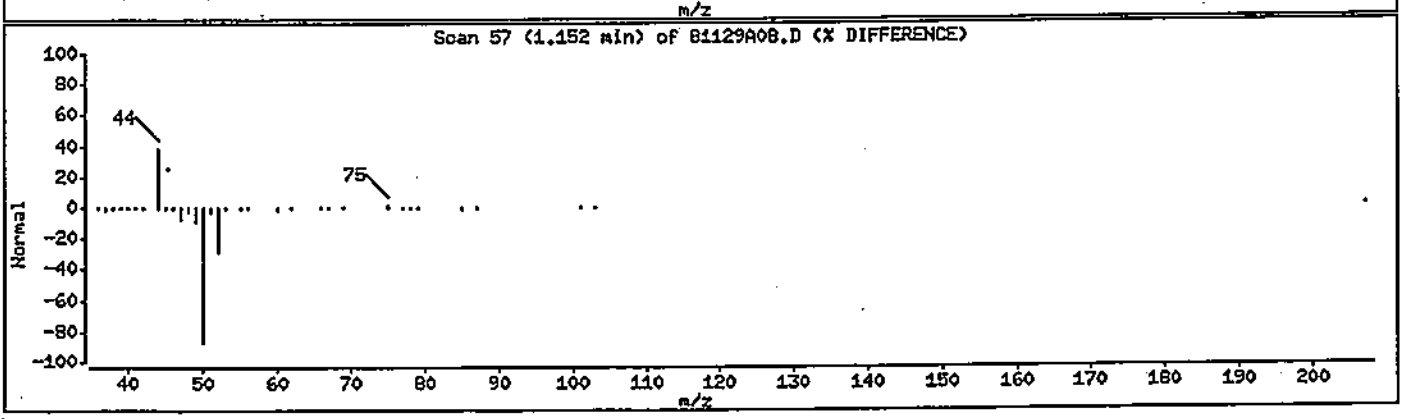
2 Chloromethane

Concentration: 0.1325 ug/L









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Date : 29-NOV-2007 13:55

Client ID: VHBLK35

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-004

Purge Volume: 25.0

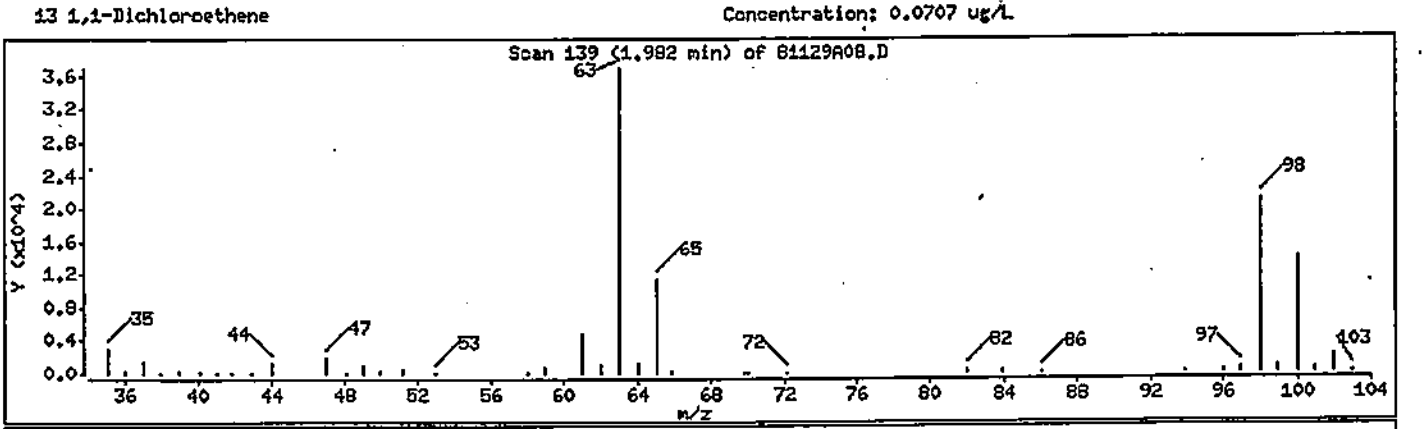
Operator: DLB

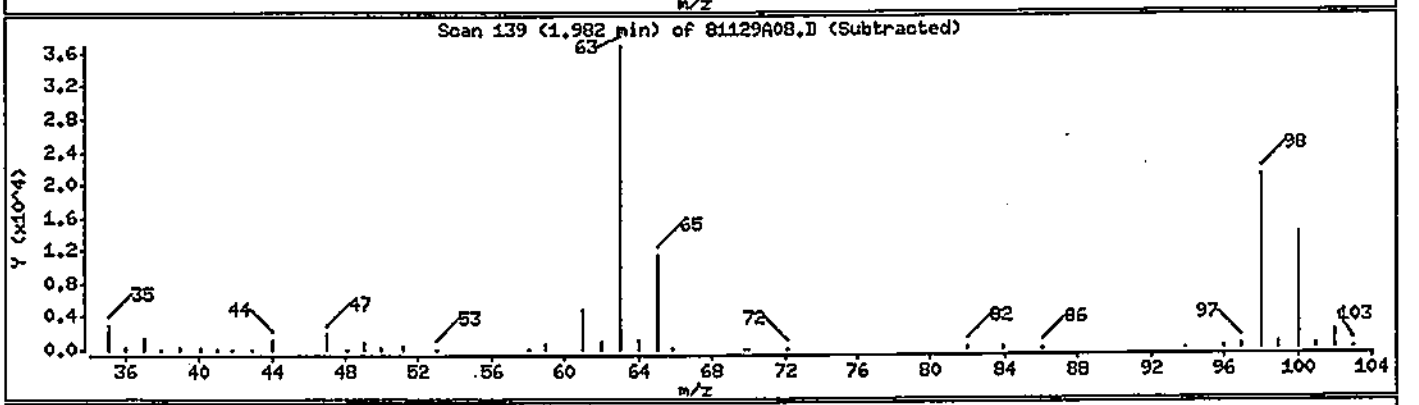
Column phase: DB-624

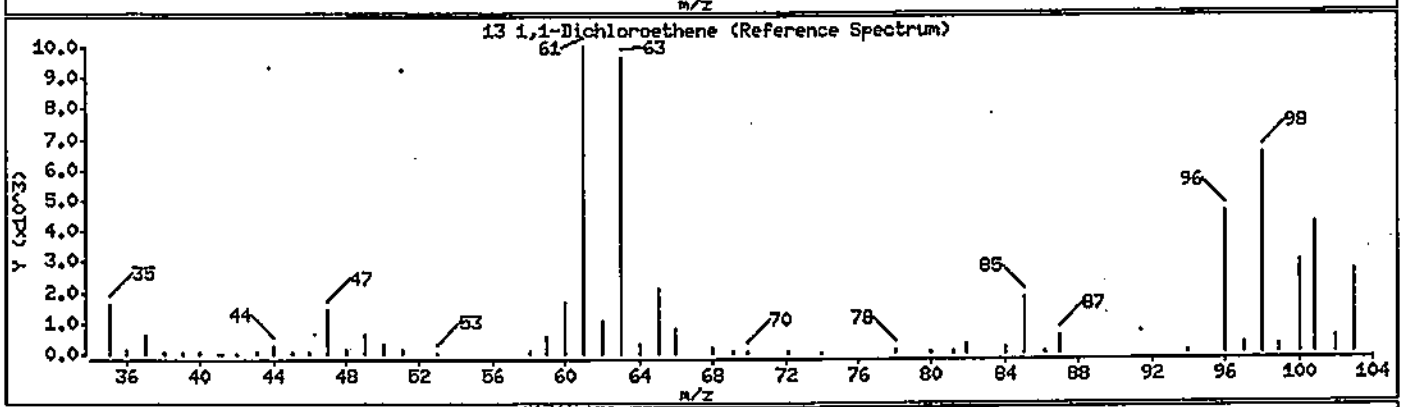
Column diameter: 0.18

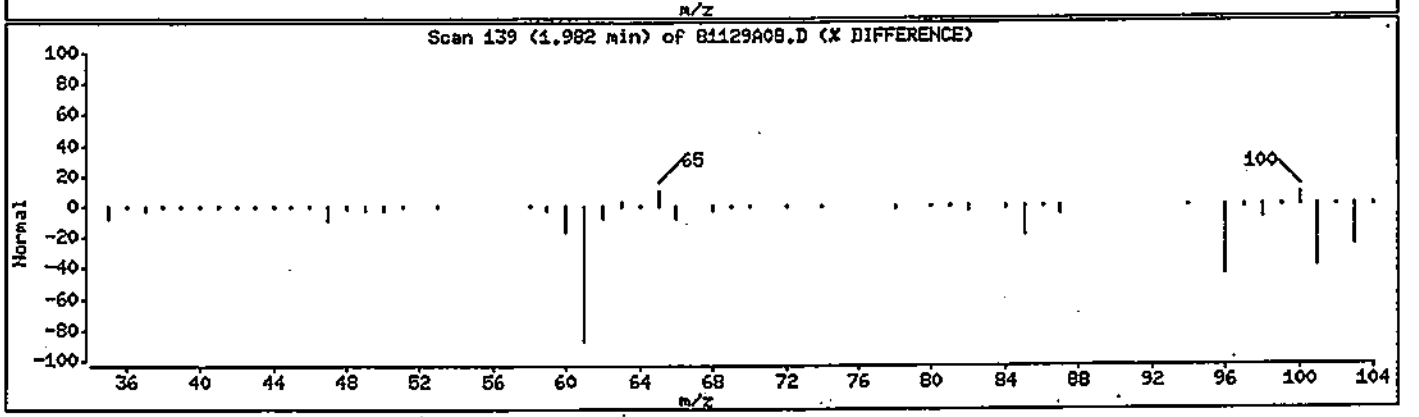
13 1,1-Dichloroethene

Concentration: 0.0707 ug/L









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Date : 29-NOV-2007 13:55

Client ID: VHBLK35

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-004

Purge Volume: 25.0

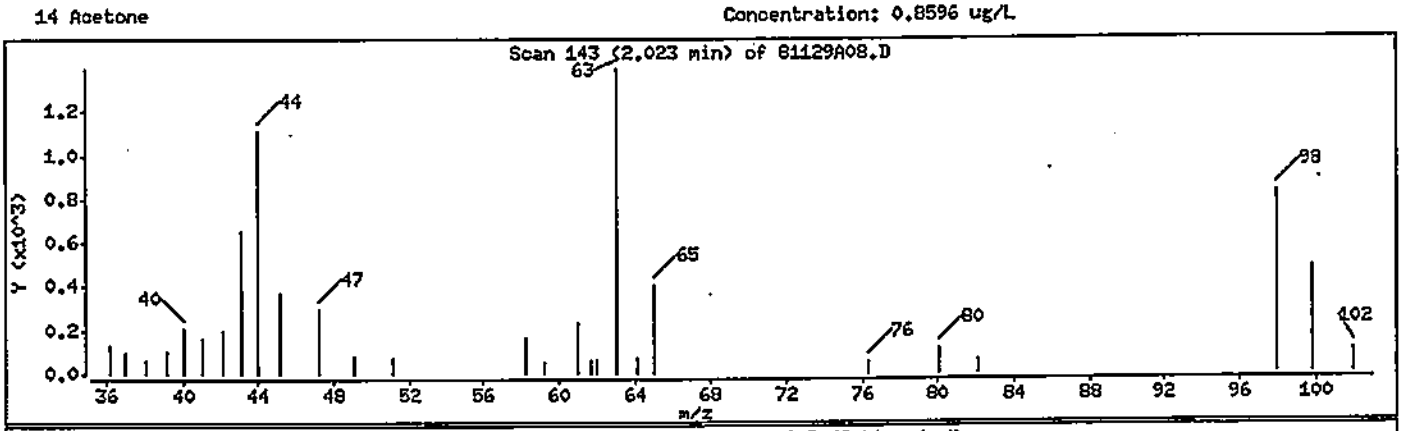
Operator: DLB

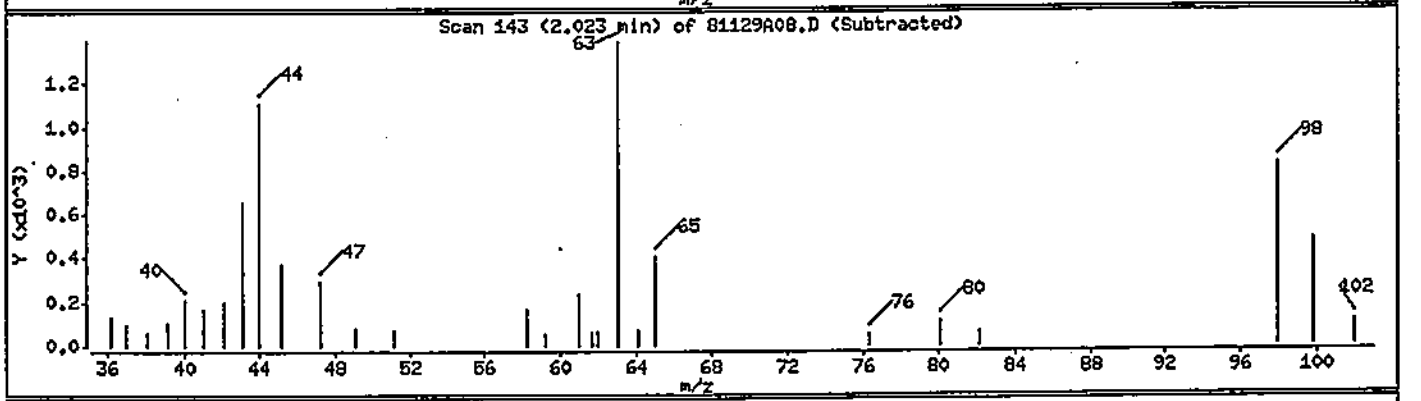
Column phase: DB-624

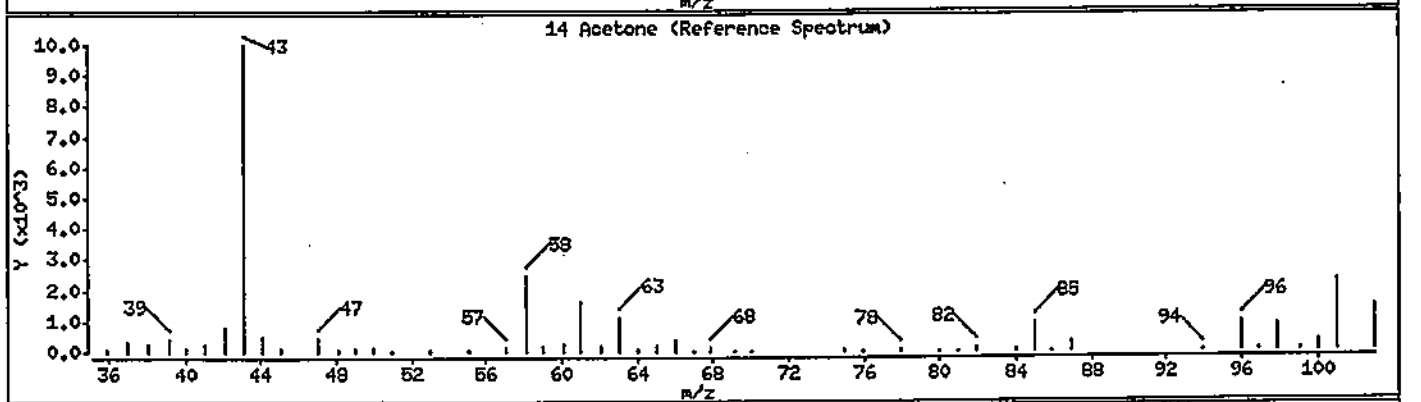
Column diameter: 0.18

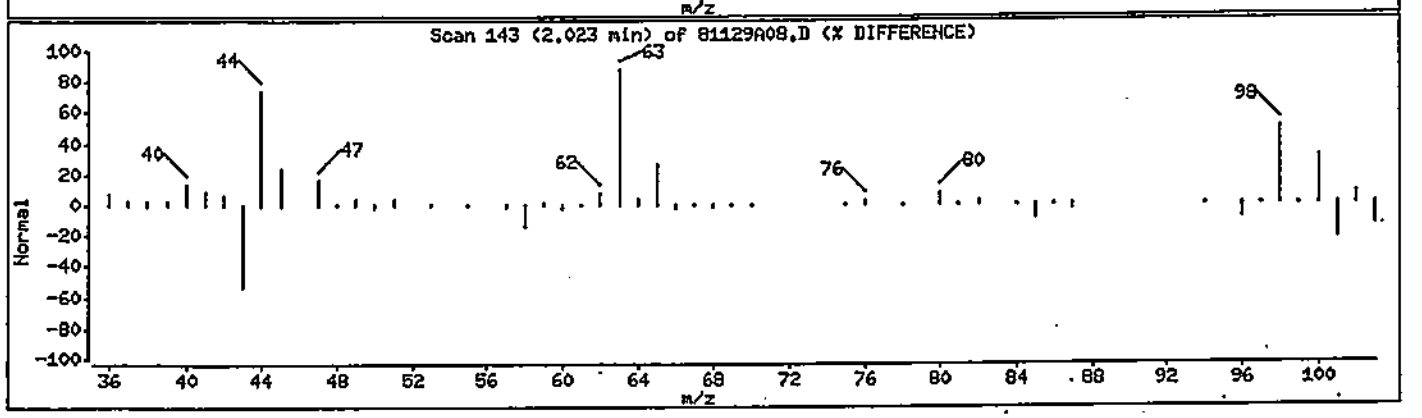
14 Acetone

Concentration: 0.8596 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A08.D

Date : 29-NOV-2007 13:55

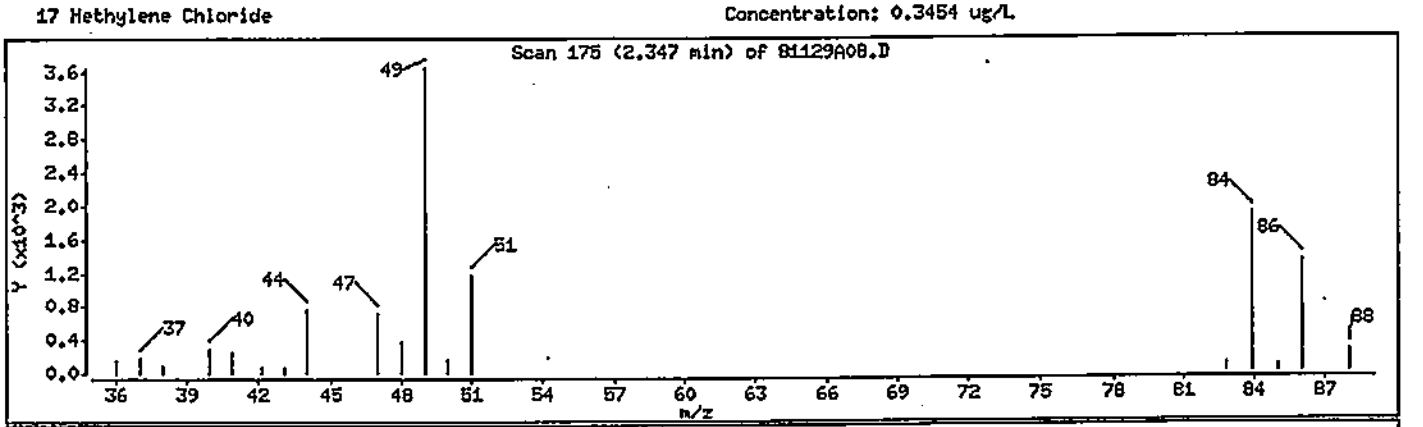
Client ID: VHBLK35 Instrument: msd8.i

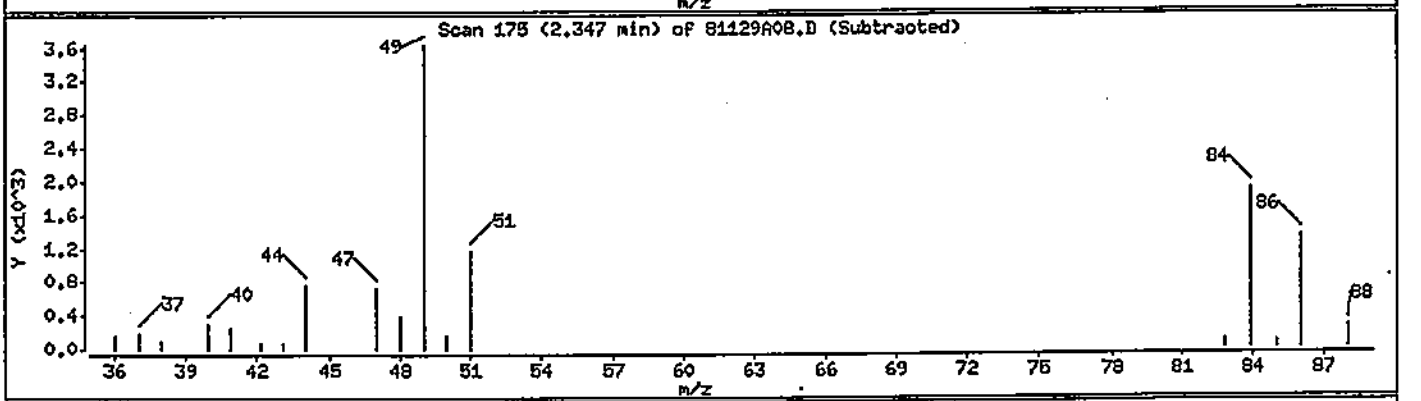
Sample Info: 8nov2907.b, IK21009-004

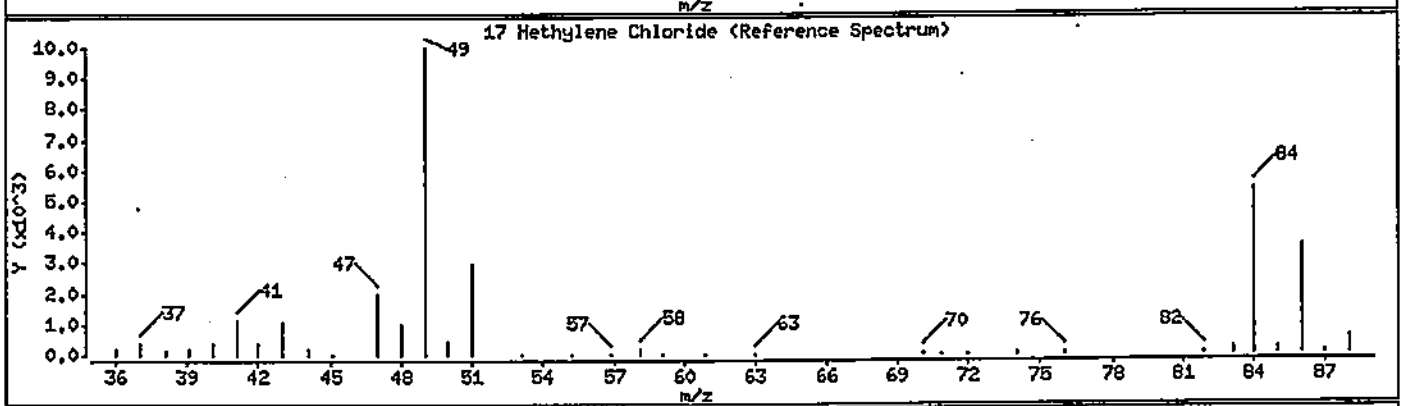
Purge Volume: 25.0 Operator: DLB

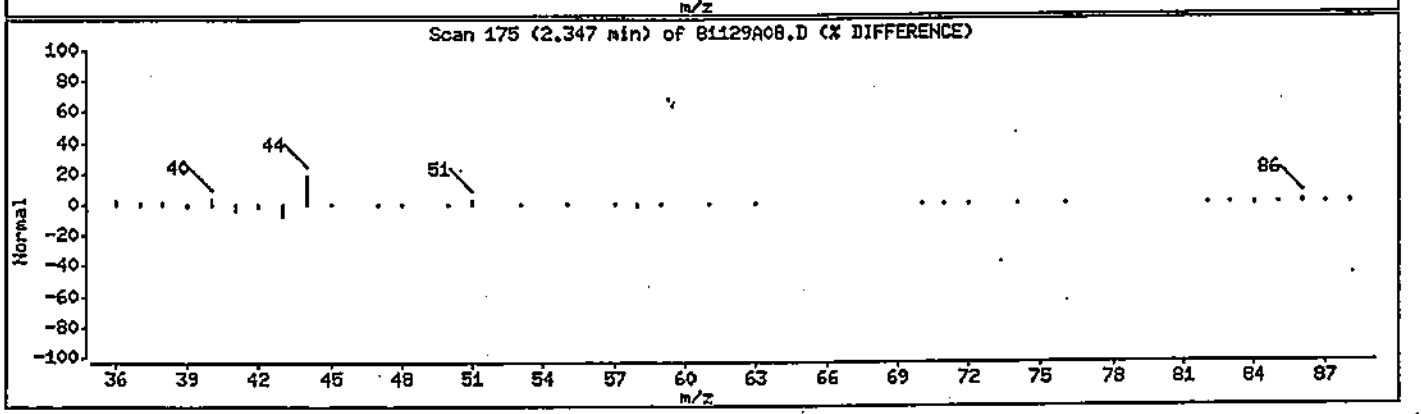
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3454 ug/L









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35RE

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A09

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.081	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.38	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35RE

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A09

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1 - FORM I VOA-MODIFIED
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK35RE

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A09

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-65-0	tertiary butyl alcohol	5.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2 (10/2006)

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: VHBLK35RE

Lab Name: Shealy Environmental Services, Inc. Contract: EP-W-05-031

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QQ2

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK21009-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81129A09

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 11/29/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

SOM01.2 (10/2006)

Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A09.D
Lab Smp Id: IK21009-004 Client Smp ID: VHBLK35RE
Inj Date : 29-NOV-2007 14:29
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 7 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

Concentration Formula: Amt * DF * 25/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	27221	6.61277	6.6127(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.476	1.465	(0.278)	31637	6.96701	6.9670(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.982	1.972	(0.373)	105874	4.32357	4.3235
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	812	0.08149	0.0814(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.346	(0.442)	4770	0.38067	0.3806(a)
	20 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	21 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	23 1,1-Dichloroethane	63	Compound Not Detected.					
$	25 2-Butanone-d5	46	3.643	3.632	(0.686)	365969	50.4865	50.4864
	26 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.068	4.058	(0.766)	111451	5.04405	5.0440(Q)
	31 Chloroform	83	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					
	32 Cyclohexane	56	Compound Not Detected.					
	34 Carbon Tetrachloride	121	Compound Not Detected.					
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	70320	4.83527	4.8352
$	36 Benzene-d6	84	4.726	4.716	(0.511)	211990	5.25053	5.2505
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	200440	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	62876	4.64818	4.6481
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.103	6.113	(1.149)	5372	113.188	113.1877(QR)
	47 1,4-Dioxane	88	Compound Not Detected.					
	49 Bromodichloromethane	83	Compound Not Detected.					
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	118146	4.81328	4.8132
	50 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	51 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	52 Toluene-d8	98	7.278	7.278	(0.787)	191719	5.16307	5.1630
	53 Toluene	91	Compound Not Detected.					
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	Compound Not Detected.					
	57 Tetrachloroethene	164	Compound Not Detected.					
$	58 2-Hexanone-d5	63	8.291	8.280	(0.896)	243178	51.6278	51.6278
	60 2-Hexanone	43	Compound Not Detected.					
	61 Dibromochloromethane	129	Compound Not Detected.					
	62 1,2-Dibromoethane	107	Compound Not Detected.					
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	189422	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	Compound Not Detected.					
	68 o-Xylene	106	Compound Not Detected.					
	69 Styrene	104	Compound Not Detected.					
	70 Bromoform	173	Compound Not Detected.					
	71 Isopropylbenzene	105	Compound Not Detected.					
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	55132	4.82404	4.8240
	74 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	83 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	112542	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	90523	5.06853	5.0665
	89 1,2-Dichlorobenzene	146	Compound Not Detected.					
	90 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
	91 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	94 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
	19 tert-butyl alcohol	59	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

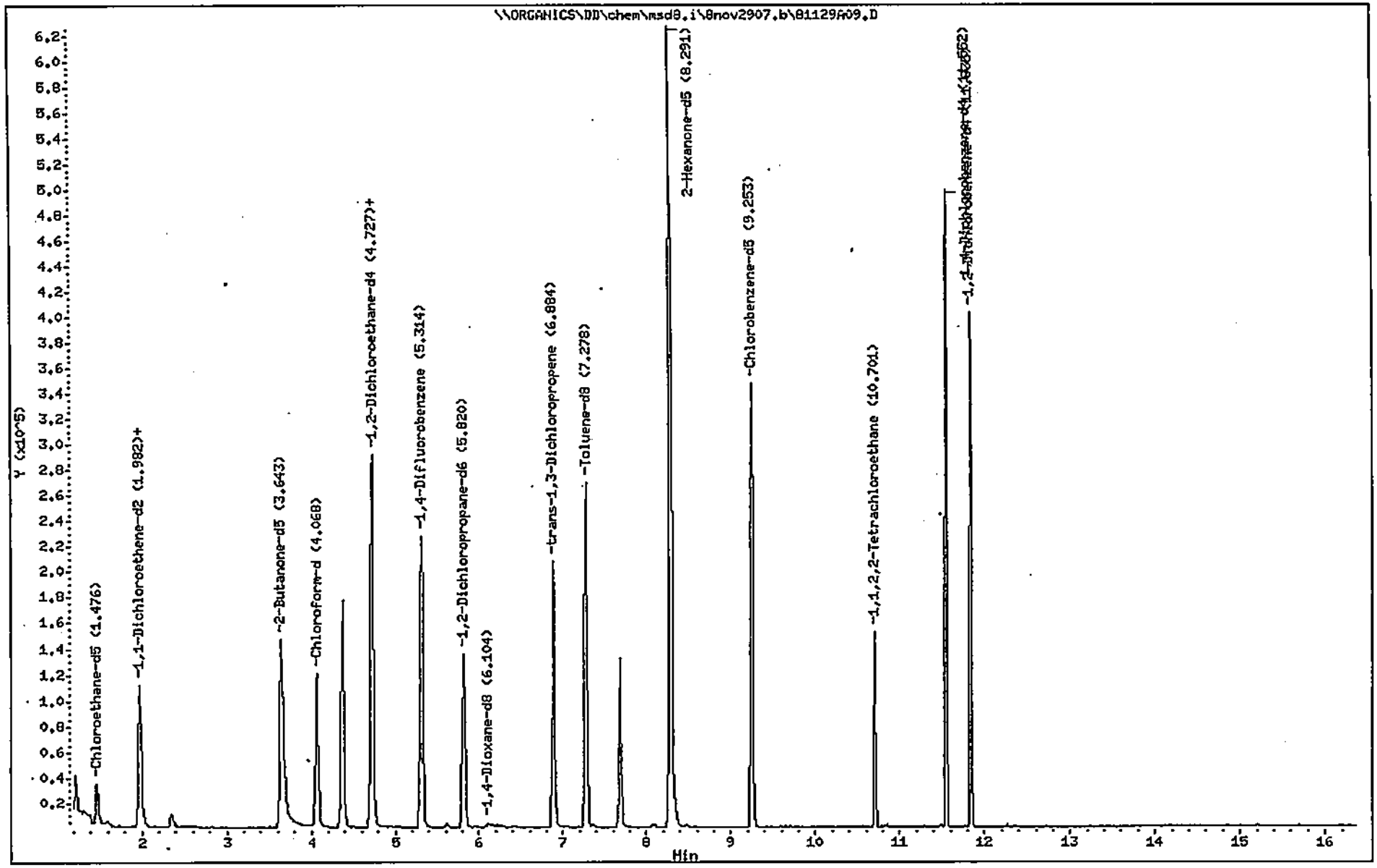
Shealy Environmental Services, Inc.

Data file : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A09.D
Lab Smp Id: IK21009-004 Client Smp ID: VHBLK35RE
Inj Date : 29-NOV-2007 14:29
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2907.b, IK21009-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2907.b\TRACE-8.m
Meth Date : 30-Nov-2007 06:56 msd8.i Quant Type: ISTD
Cal Date : 28-NOV-2007 14:05 Cal File: 81128B06.D
Als bottle: 7 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A09.D
Date : 29-NOV-2007 14:29
Client ID: VHBLK35RE
Sample Info: 8nov2907.b, IK21009-004
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i
Operator: DLB
Column diameter: 0.18



Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A09.D

Date : 29-NOV-2007 14:29

Client ID: VHBLK35RE

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-004

Purge Volume: 25.0

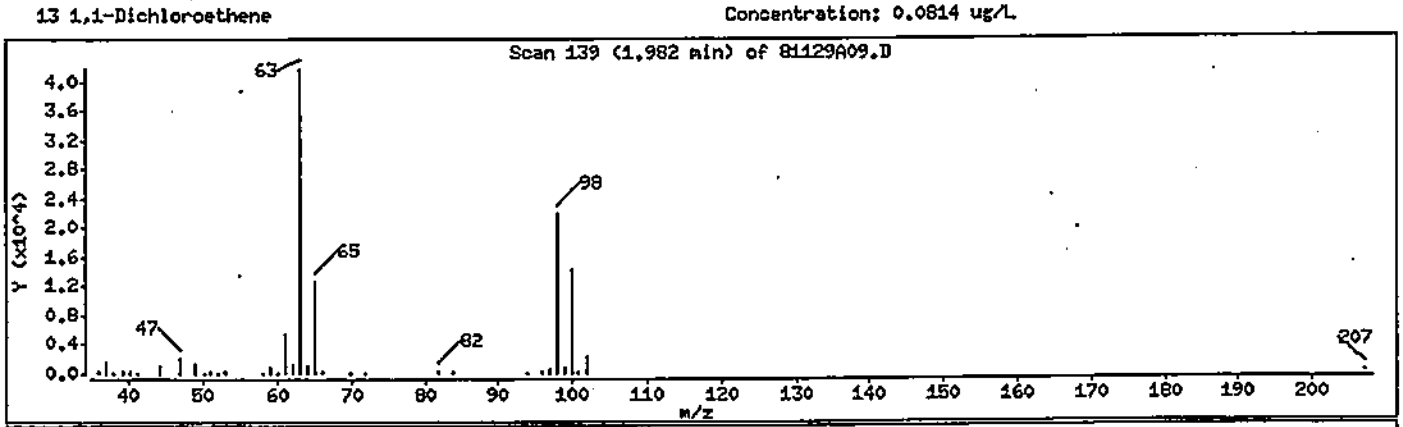
Operator: DLB

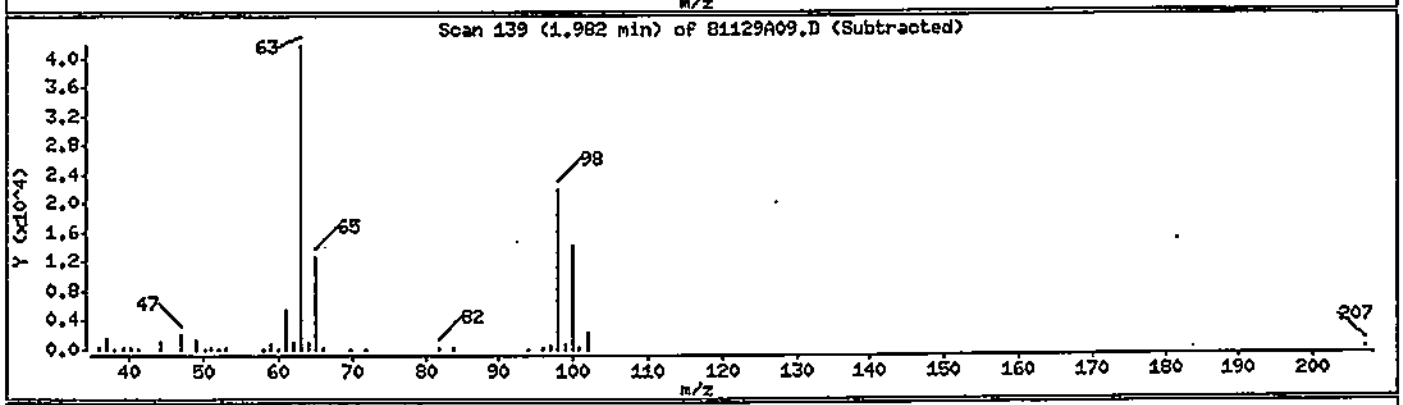
Column phase: DB-624

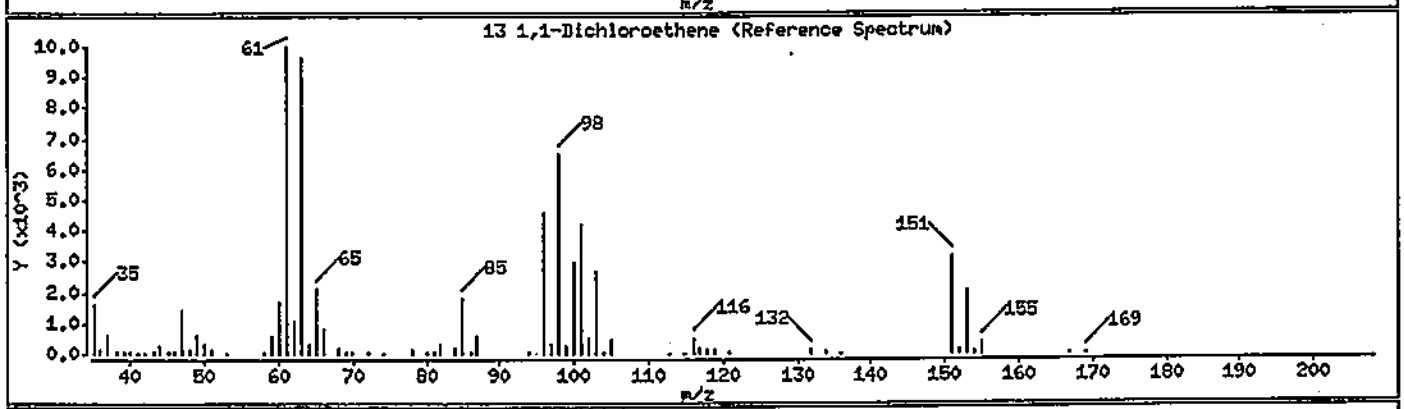
Column diameter: 0.18

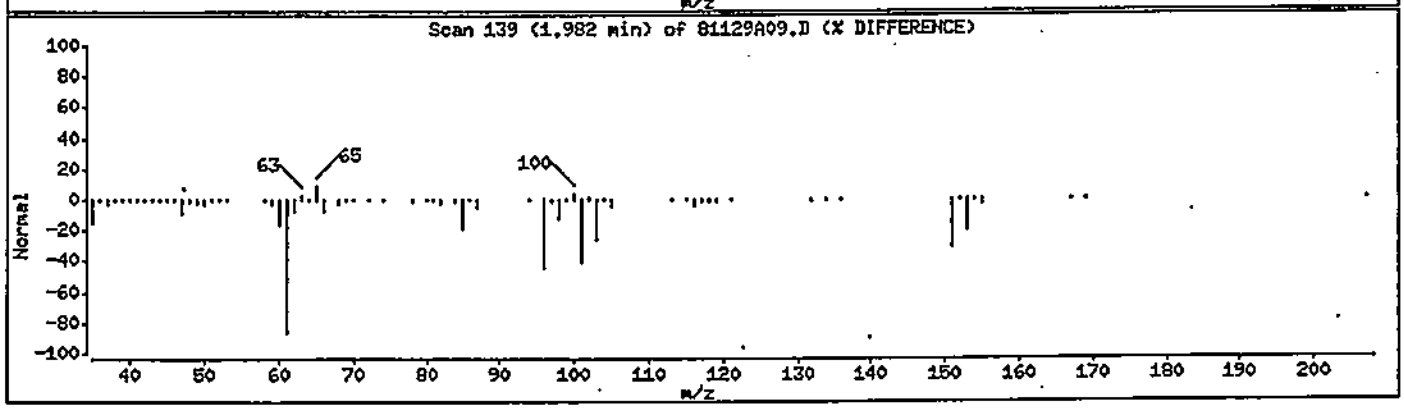
13 1,1-Dichloroethene

Concentration: 0.0814 ug/L









Data File: \\ORGANICS\DD\chem\msd8.i\8nov2907.b\81129A09.D

Date : 29-NOV-2007 14:29

Client ID: VHBLK35RE

Instrument: msd8.i

Sample Info: 8nov2907.b, IK21009-004

Purge Volume: 25.0

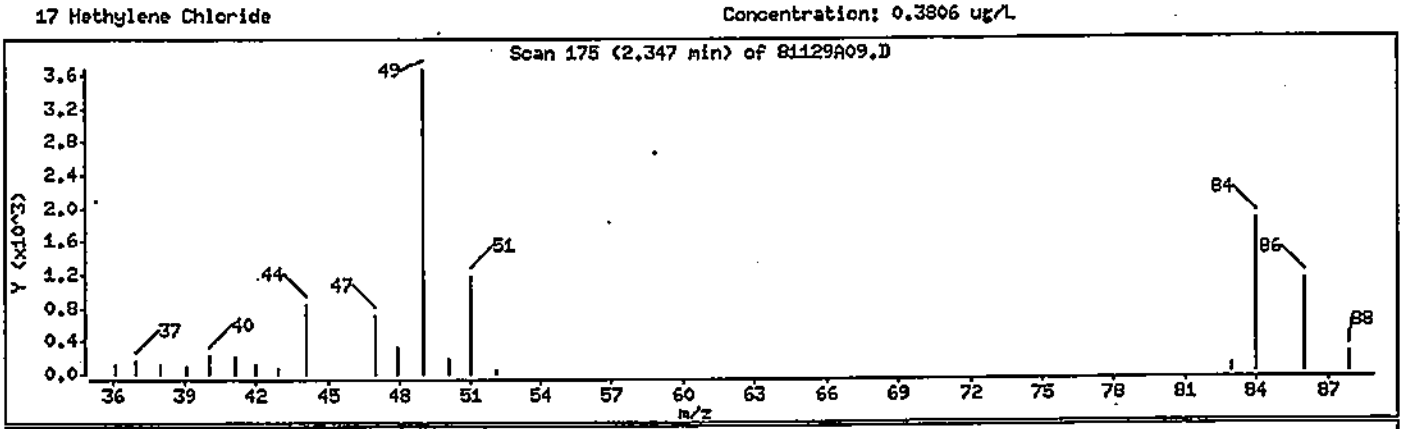
Operator: DLB

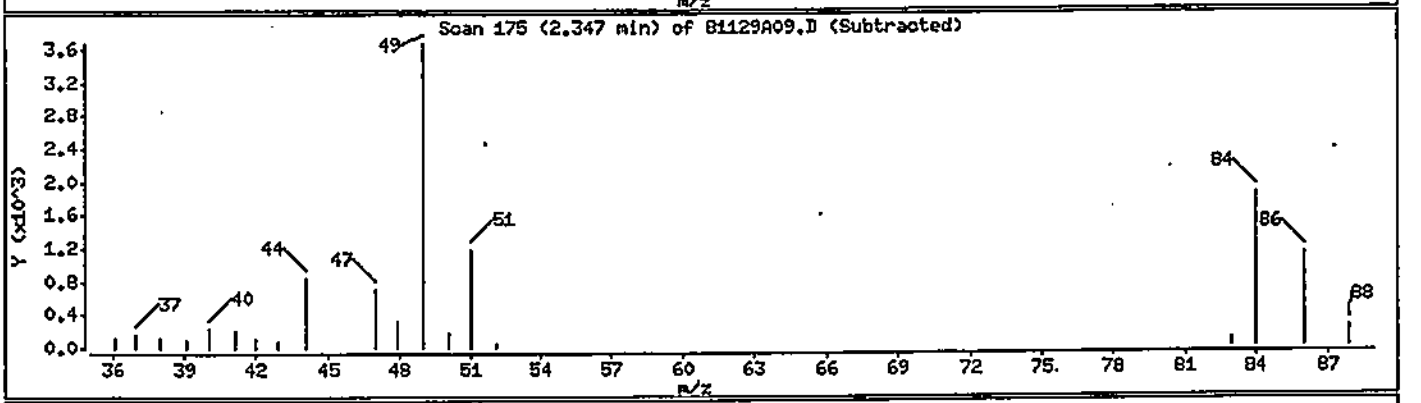
Column phase: DB-624

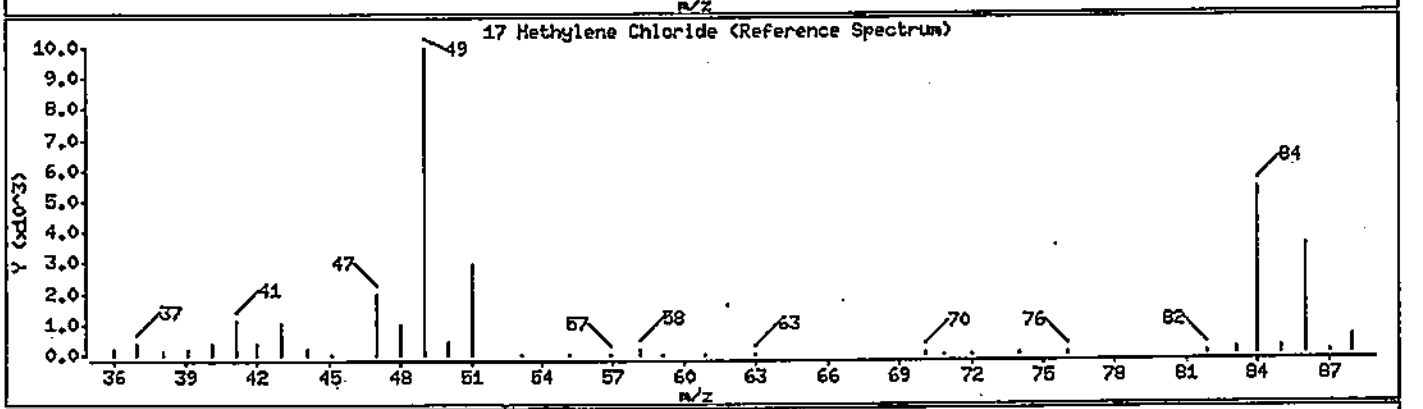
Column diameter: 0.18

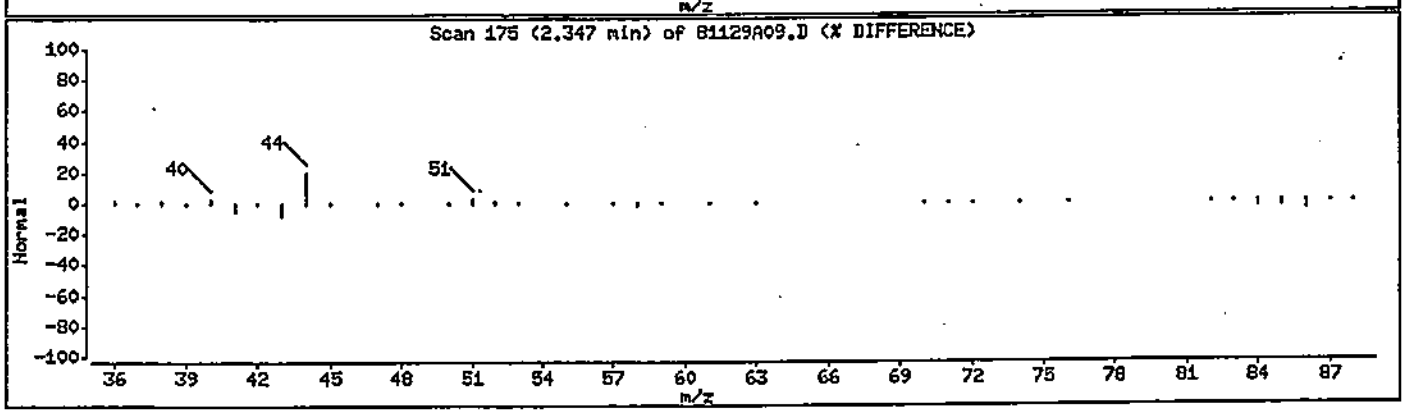
17 Methylene Chloride

Concentration: 0.3806 ug/L









GC/MS VOC Instrument Run Log MSD 8

Batch #: IQ-18604 Matrix: (A) LL / M / N Method ID: 5ML2 Date: 11/28/07 Analyst: DLB Prepped by: DLB/CMS

Col Type: DB624 Length: 30 m I.D: 0.25mm Flow Rate: 0.5mL/min Film thickness: 1.0 µm Split Ratio: 25 : 1

1 µL of IS STD # 5MT093 into 25 mL 10 µL of SS STD # 5MT114 into 40 mL 5 or 25 mL Purged

Seq #	File Name	Sample Lot #	Standard ID	Sublist	DF	pH	µL Spike /mL final vol	Comments
1	81128B01	BER	07-366	all	1	NA	NA	Reduce & Recalibrate
2	B01A	BER	↓	↓	↓			PASS 1213
3	B02	VSTD020	5MT129	1391				
4	3	010	28					
5	4	005	27					
6	5	001	26					
7	6	↓ 0.5	↓ 1223					
8	7	VBLK	VSS					↓
9	8	VBLK2				↓		Pass
10	9	IV 21009-003						
11	10	-001			↓	2		
12	11	-002			2			DNR
13	12	-002			1			TCE @ 61 (5V)
14	13	-004						Pass DNR
15	14	↓ -004	↓			↓		Pass DNR
16	15	8EN128	5MT027			NA		
17	16	↓	↓	↓	↓	↓		
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								11/29/07
31								
32								DLB
33								
34								

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required I = IS Failure S = Surrogate Failure NA = Not Analyzed C = Confirms NR = Not Reported
CO = Carry Over Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid

GC/MS VOC Instrument Run Log MSD 8

Batch #: 106873 Matrix: (A)/LL/M/N Method ID: Sm1.2 Date: 112907 Analyst: DLB Prepped by: DLB
Col Type: DB624 Length: 20 m I.D: 0.25 mm Flow Rate: ~~0.8~~ 1.5 mL/min Film thickness: 1.0 µm Split Ratio: 3.5 :1
1 µL of IS STD # SMT0973 into 25 mL 10 µL of SS STD# SMT1011 into 40 mL 5 of 25 mL Purged

Seq #	File Name	Sample Lot #	Standard ID	Sublist	DF	pH	µL Spike /mL final vol	Comments
1	81129A 1.	BFB	D7-366	all	1	NA	NA	Pass
2	1A	BFB						
3	2	BFB						
4	3	BFB	11/30/07					
5	4	CCV	SMT1D30	1391				
6	5	BLL	NA					
7	6	BLL						
8	7	1L21009002			5	27		
9	8	4			1			
10	9	4			1			
11	10	8END29	SMT P30		1	NA		
12								
13								
14								
15								
16								
17								
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20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								11/30/07
31								
32								DLB
33								
34								

R = Reanalyze E = Exceeds Cal Range L = Lesser dilution required I = IS Failure S = Surrogate Failure NA = Not Analyzed C = Confirms NR = Not Reported
CO = Carry Over Matrix: Aqueous/Low Level Soil (5035)/Methanol, High Level Soil/Non-Aqueous Liquid

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/10/2007

EXP. DATE: 12/10/2007

SOMT 0997

Solvent Lot #: 07-735

SOLVENT: MEOH

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
KETONE MIX		ug/mL	ul	mL	UG/ML	
KETONE PRIMARY	06-784G	2000	80	1	160	NA
DMC B	07-650B	2500	80	1	200	NA
KETONE PLUS	07-19E	1000	20	1	20	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 997

11/10/2007 8:57 AM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/19/2007

EXP. DATE: 12/19/2007

SOMT 1015

Solvent Lot #: 07-735

SOLVENT: MEOH

COMPOUND TCL MIX	STOCK STD#	ug/mL	ALIQUOTED VOLUME Units = ul	DILUTION VOLUME Units = mL	FINAL CONC Units = UG/ML	FOOT NOTES IF APPLIC.
8260 MEGA MIX	06-485	1000	100	1	100	NA
GAS MIX	07-538	2000	50	1	100	NA
DMC A	07-648	1000	100	1	100	NA
C/C MIX	07-449	1000	100	1	100	NA
1,4-DIOXANE	07-542	10000	100	1	1000	NA
DMC C	07-636	12500	80	1	1000	NA
Oxygenates	06-642	10000	100	1	1000	NA
DMC liquids	07-649	1000	100	1	100	NA

Reviewer's Init: _____

Page# 2007- 1015

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/28/2007

EXP. DATE: 12/28/2007

SOMT 1024

Solvent Lot #: 07-735

SOLVENT: MEOH

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
KETONE MIX		ug/mL	ul	mL	UG/ML	
KETONE PRIMARY	07-831A	2000	80	1	160	NA
DMC B	07-650B	2500	80	1	200	NA
KETONE PLUS	07-19F	1000	20	1	20	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 1024

11/30/2007 1:38 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/28/2007

EXP. DATE: 11/29/2007

SOMT 1025

Solvent Lot #:

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
ICAL L-1		ug/mL	ul	mL	UG/L	
TCL MIX	SOMT1015	100	2.5	500	0.5	NA
KETONE MIX	SOMT0997	200	12.5	500	5	NA
DIOXANE MIX	SOMT1024	1000	7.5	500	15	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init:

Page# 2007- 1025

11/30/2007 1:39 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1026

PREP. DATE: 11/28/2007

Solvent Lot #:

EXP. DATE: 11/29/2007

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
ICAL L-2		ug/mL	ul	mL	UG/L	
TCL MIX	SOMT1015	100	5	500	1	NA
KETONE MIX	SOMT0997	200	25	500	10	NA
DIOXANE MIX	SOMT1024	1000	15	500	30	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init:

Page# 2007- 1026

11/30/2007 1:39 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/28/2007

EXP. DATE: 11/29/2007

SOMT 1027

Solvent Lot #:

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
ICAL L-3		ug/mL	ul	mL	UG/L	
TCL MIX	SOMT1015	100	5	100	5	NA
KETONE MIX	SOMT0997	200	25	100	50	NA
DIOXANE MIX	SOMT1024	1000	20	100	200	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 1027

11/30/2007 1:40 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/28/2007

EXP. DATE: 11/29/2007

SOMT 1028

Solvent Lot #:

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
ICAL L-4		ug/mL	ul	mL	UG/L	
TCL MIX	SOMT1015	100	10	100	10	NA
KETONE MIX	SOMT0997	200	50	100	100	NA
DIOXANE MIX	SOMT1024	1000	40	100	400	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 1028

11/30/2007 1:40 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/28/2007

EXP. DATE: 11/29/2007

SOMT 1029

Solvent Lot #:

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
ICAL L-5		ug/mL	ul	mL	UG/L.	
TCL MIX	SOMT1015	100	20	100	20	NA
KETONE MIX	SOMT0997	200	100	100	200	NA
DIOXANE MIX	SOMT1024	1000	80	100	800	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 1029

11/30/2007 1:41 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/29/2007

EXP. DATE: 11/30/2007

SOMT 1030

Solvent Lot #:

SOLVENT: H2O

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
CCV		ug/mL	ul	mL	UG/L	
TCL MIX	SOMT1015	100	5	100	5	NA
KETONE MIX	SOMT0997	200	25	100	50	NA
DIOXANE MIX	SOMT1024	1000	20	100	200	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init:

Page# 2007- 1030

11/30/2007 1:42 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/6/2007

EXP. DATE: 12/6/2007

SOMT 0973

Solvent Lot #:07-735

SOLVENT: MEOH

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
TRACE INTERNAL STD		ug/mL	ul	mL	UG/ML	
INTERNAL STD	07-763	2500	1250	25	125	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

Page# 2007- 973

11/7/2007 11:47 AM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/14/2007

PREP. DATE: 12/14/2007

SOMT 1011

Solvent Lot #: 07-735

SOLVENT: MEOH

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
TRACE DMC SPIKE		ug/mL	ul	mL	UG/ML	
DMC A	07-648C	2000	20	2	20	NA
DMC LIQUIDS	07-649A	2000	20	2	20	NA
DMCB	07-650C	2500	160	2	200	NA
1,4-DIOXANE-d8 (DMC C	07-636B	31250	64	2	1000	NA

FOOTNOTES: (Only applicable if the 'Foot Note' column above is identified with the appropriate foot note number.)

Reviewer's Init: _____

11/15/2007 1:40 PM

Page# 2007- 1011

Volatile Internal Chain of Custody From Refrigerator #7

Date	Time	Analyst	From	To	Lab Sample ID	Container #	Consumed Y/N
11.28.2007	1200	DLB	Refrigerator #7	MSD8	IK21009-003	2	Y
11.28.2007	1200	DLB	Refrigerator #7	MSD8	1	1	Y
11.28.2007	1200	DLB	Refrigerator #7	MSD8	2	2	Y
11.28.2007	1200	DLB	Refrigerator #7	MSD8	2	1	N
11.28.2007	1200	DLB	Refrigerator #7	MSD8	4	2	Y
11.28.2007	1200	DLB	Refrigerator #7	MSD8	4	3	Y
11.29.2007	0900	DLB	Refrigerator #7	MSD8	IK21009-002	3	Y
11.29.2007	0900	DLB	Refrigerator #7	MSD8	4	1	Y
11.29.2007	0900	DLB	Refrigerator #7	MSD8	4 (IK06013-010	2	Y

11/30/07

DLB

From: Origin ID: SNAA (714)429-2050
Mike Palm
CH2MHILL
3 Hutton Centre Drive, Suite 200

Santa Ana, CA 92707

FedEx Express

Ship Date: 19NOV07
ActWgt: 30 LB Dimmed: 24 X 14 X 14 IN
System#: 1844877/INET7091
Account#: S *********

Delivery Address Bar Code

Ref # 335379.fl.03
Invoice #
PO #
Dept #

SHIP TO: (803)791-9700 BILL THIRD PARTY

Robert Zhu
Shealy Environmental Services
106 VANTAGE POINT DR

WEST COLUMBIA, SC 291723000

TRK# 0201 7924 5732 4624

TUE - 20NOV A1
PRIORITY OVERNIGHT

XH-USCA

CAE
SC-US
29172

Shipping Label: Your shipment is complete

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 36912
DAS No:
SDG No: Y3QQ2

L

Date Shipped: 11/19/2007	Chain of Custody Record	Sampler Signature:	For Lab Use Only	
Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:	EPW05031
Airbill: 792457324624	1 Mike Palm 11/19/07 1400		Unit Price:	
Shipped to: Shealy Environmental 106 Vantage Point Drive Cayce SC 29033 (803) 791-9700	2		Transfer To:	
	3		Lab Contract No:	
	4	Christiann Boutwell 11/21/07 0900	Unit Price:	

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
Y3QQ2	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	20	S: 11/19/2007 8:10		
Y3QQ3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	21	S: 11/19/2007 9:10		
Y3QQ4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	22	S: 11/19/2007 9:30		

SDG Y3QQ2 last sample Y3QQ4

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.6°C	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y
VOA = CLP TCL Volatiles				

TR Number: 9-403413243-111907-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name: Shealy Environmental Services, Inc.		Page 1 of 1
Received By (Print Name): Christiann Boutwell		Log-in Date: 11/21/07
Received By (Signature): Christiann Boutwell		
Case Number: 36912	Sample Delivery Group No.: Y3QQ2	Mod. Ref. No.: 1391.1

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	Y3QQ2	Na	IK21004-001	OK
2. Custody Seal Nos.	Na	Y3QQ3	↓	↓ -002	↓
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*	Y3QQ4	↓	↓ -003	↓
4. Airbill	Airbill/Sticker Present/Absent*				
5. Airbill No.	79245732 4424				
6. Sample Tags	Present/Absent*				
Sample Tag Numbers	Listed/Not Listed on Chain-of-Custody				
7. Sample Condition	Intact/Broken*/Leaking				
8. Cooler Temperature Indicator Bottle	Present/Absent				
9. Cooler Temperature	3.6				
10. Does information on TR/COCs and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	11/21/07				
12. Time Received	0900				
Sample Transfer					
Fraction VOA	~~Fraction~~				
Area #	Area # CB				
By Christiann Boutwell	By				
On 11/21/07	On				

Christiann Boutwell 11/21/07

* Contact SMO and attach record of resolution.

Reviewed By	[illegible]	Logbook No.	na
Date	11/21/07	Logbook Page No.	na

SOM01.1 (5/2005)

Request for Quote (RFQ) for Modified Analysis

Date: October 10, 2007

Subject: Modification Reference Number: 1391.1
Title: R9-TertButylAlcohol
Sample Matrix: Water
Fraction Affected: TVOA
Statement of Work: SOM01.X

Purpose:

The Contractor Laboratory is requested to perform the following modified analyses under the Organic Statement of Work (SOW) SOM01.X, based on the additional specifications listed below. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in SOW SOM01.X remain unchanged and in full force and effect. The number of samples requested in this modification is not guaranteed.

Please note that accepting a modified analysis request is voluntary, and that the Laboratory is not required to accept the modified analysis. There will be no adverse effect to the Laboratory for not accepting the modified analysis request. However, once the Laboratory accepts the request for modified analysis, it shall perform the analysis in accordance with this modification and as specified in SOW SOM01.X.

The Laboratory is requested to review the modification described herein, determine whether or not it shall accept the requested modified analyses, and complete the attached response form. The Laboratory shall provide comments in response to the required changes in the designated area, in order to ensure that the modified analysis can be completed in accordance with the specifications described herein.

The requirements in the RFQ are as stated and any defects will be assessed by SMO per the laboratory contract. The Laboratory should take this into account when submitting their quote.

Notice to Contractors: Acceptance of Modified Analysis samples will not count against the monthly capacity.

Modification to the SOW Specifications:

SOW SOM01.X requires Laboratories to analyze water samples for volatile organic compounds through the protocol outlined in Exhibit D, Trace Volatile method. Specific Trace Volatile target analytes and their associated Contract Required Quantitation Limits (CRQLs) are listed in Exhibit C, Section 1.0 pages C-5 and C-6 of SOW SOM01.X. The proposed modification will require the Laboratory to analyze samples for the same target analytes listed in Section 1.0 on pages C-5 and C-6, with the following additional requirements.

One additional analyte shall be added to the target analyte list: tertiary butyl alcohol (CAS # 75-65-0). This additional analyte shall have a CRQL of 5 ug/L.

If tertiary butyl alcohol is undetected, the Laboratory shall report at the CRQL specified in this modified analysis, even if the Laboratory is able to achieve a lower limit.

For initial calibration, opening and closing continuing calibration purposes, the additional analyte may either be added to the original calibration standards or may be analyzed as a single analyte. Of the 5 initial calibration standards and the opening and closing continuing calibration standards, the lowest calibration standard shall have a concentration at or below the CRQL.

Reporting Requirements:

Hardcopy and electronic data reporting are required as specified per SOW SOM01.X. All hardcopy and electronic data shall be adjusted to incorporate modified specifications. This includes attaching a copy of the requirements for modified analysis to the SDG Narrative. If specific problems occur with incorporation of the modified analysis into the hardcopy and/or electronic deliverable, the Laboratory shall contact the DASS Manager within the Sample Management Office (SMO) at (703) 818-4233 or via e-mail at CCSSupport@fedcsc.com for resolution.

All samples and/or fractions assigned to an SDG shall be analyzed under the same Modified Analysis requirements as established in this memorandum. The Laboratory shall not include data from multiple Modified Analyses in one SDG.

The Laboratory shall include the Modification Reference Number 1391.1 on each hardcopy data form under the "Mod. Ref. No." header appearing on each form as well as the data element "ServicesID" under the "SamplePlusMethod" node of the EDD. This should be done for the fractions affected by the modified analysis only. The "ServicesID" field should remain blank for all other fractions reported in the SDG. The Laboratory shall also document the Modification Reference Number and the Solicitation Number on the SDG Coversheet.

Clarifications/Revisions to the RFQ for Modified Analysis:

Laboratory Name: SHEALY
Laboratory Comments: