Shealy Environmental Services, Inc.

Contract Number: EPW05031
Date: 12/03/2007

SDG Narrative

Case 36912
SDG Y3QN3
MA 1391.1

EPA Sample Numbers

EPA Sample Number	TVOA Fraction	DL/RE	pH
Y3QN3	Yes	No	<2
Y3QN4	Yes	No	<2
Y3QN5	Yes	Yes	<2
Y3QN6	Yes	No	<2
Y3QN6MS	Yes	No	<2
Y3QN6MSD	Yes	No	<2
Y3QN7	Yes	No	<2
Y3QN8	Yes	No	<2
Y3QN9	Yes	No	<2
Y3QP0	Yes	No	<2
Y3QP1	Yes	No	<2
Y3QP2	Yes	No	<2
Y3QP3	Yes	No	<2
Y3QP4	Yes	No	<2
Y3QP5	Yes	No	<2
Y3QP6	Yes	No	<2
Y3QP7	Yes	No	<2
Y3QP8	Yes	No	<2
Y3QQ0	Yes	Yes	<2
Y3QQ1	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 temperatures associated with these samples were 5.7, 3.5 and 4.7 °C

Contract Laboratory Program

Sample Delivery Group (SDG)
Cover Sheet

SDG Number: Y3QN3

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) Y3QN3	7) Y3QN9	13) Y3QP5	19) N/A
2) Y3QN4	8) Y3QP0	14) Y3QP6	20) N/A
3) Y3QN5	9) Y3QP1	15) Y3QP7	21) N/A
4) Y3QN6	10) Y3QP2	16) Y3QP8	22)N/A
5) Y3QN7	11) Y3QP3	17) Y3QQ0	23)N/A
6) Y3QN8	12) Y3QP4	18) Y3QQ1	24)N/A

Y3QN3	Y3QQ1
First Sample in SDG	Last Sample in SDG
11/15/07	11/17/07
First Sample Receipt Date	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: [signature] Date: 11/28/07

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

Case No: 36912
DAS No:
SDG No: Y3QN3

L

4 of 486

Date Shipped:	11/14/2007
Carrier Name:	FedEx
Airbill:	799221816363
Shipped to:	Shealy Environmental 106 Vantage Point Drive Cayce SC 29033 (803) 791-9700

Chain of Custody Record

Sampler Signature:

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1		11/14/07 1300		
2				
3				
4				11/15/07 0935

For Lab Use Only

Lab Contract No:
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
Y3QN3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	1	S: 11/14/2007	8:30		OK
Y3QN4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	2	S: 11/14/2007	9:10		
Y3QN5	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	3	S: 11/14/2007	9:50		
Y3QN6	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (6)	4	S: 11/14/2007	10:15		
Y3QN7	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	5	S: 11/14/2007	11:25		
Y3QN8	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	6	S: 11/14/2007	11:45		
Y3QN9	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	7	S: 11/14/2007	12:00		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.7	Chain of Custody Seal Number: NA
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TR Number: 9-403413243-111407-0001

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

LABORATORY COPY

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

Case No: 36912
DAS No:
SDG No: Y3QN3

L

5 of 486

Date Shipped:	11/15/2007
Carrier Name:	FedEx
Airbill:	798309796753
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		11/15/07 1400		
2				
3				
4				11/16/07 0935

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
Y3QP0	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	8	S: 11/15/2007	8:55		
Y3QP1	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	9	S: 11/15/2007	9:30		
Y3QP2	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	10	S: 11/15/2007	10:00		
Y3QP3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	11	S: 11/15/2007	10:30		
Y3QP4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	12	S: 11/15/2007	11:00		
Y3QP5	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	13	S: 11/15/2007	11:35		
Y3QP6	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	14	S: 11/15/2007	11:55		
Y3QP7	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	15	S: 11/15/2007	12:15		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.5	Chain of Custody Seal Number: NA
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: 9-403413243-111507-0001

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

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

Case No: 36912
DAS No:
SDG No: Y3QN3 **L**

Date Shipped:	11/16/2007
Carrier Name:	FedEx
Airbill:	799223466278
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	[signature]	11/16/07 1400		
2				
3				
4			Christiann Bottrell	11/17/07 1035

Sampler Signature: [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
Y3QP8	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	16	S: 11/16/2007	8:40		
Y3QQ0	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	18	S: 11/16/2007	9:55		
Y3QQ1	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	19	S: 11/16/2007	11:00		

SDG Y3QN3 last sample Y3QQ1

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4.7	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: 9-403413243-111607-0001

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.: 1391.3 SDG No.: Y3QN3

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLK19	110	89	72	133	90	102	91
02	Y3QN3	174 *	155 *	104	107	111	112	116
03	Y3QN4	169 *	154 *	101	100	113	107	115
04	Y3QN5	154 *	154 *	99	108	113	111	114
05	VBLK20	119	82	73	115	89	103	92
06	Y3QN5DL	156 *	156 *	103	112	115	114	117
07	Y3QN6MS	166 *	157 *	139 *	115	114	114	117
08	Y3QN6MSD	158 *	136 *	127 *	106	108	109	111
09	Y3QN6	172 *	158 *	106 *	112	118	116	120
10	Y3QN7	167 *	164 *	104	109	116	117	117
11	Y3QN8	184 *	171 *	109 *	102	119	116	120
12	Y3QN9	177 *	171 *	105 *	120	124 *	123	124
13	VHBLK33RE	154 *	149 *	96	108	110	109	109
14	VHBLK33	158 *	153 *	100	111	112	112	113
15	Y3QP8	172 *	157 *	108 *	114	119	118	121
16	Y3QQ0	172 *	163 *	120 *	113	118	119	122
17	Y3QQ0DL	165 *	151 *	101	105	109	109	110
18	Y3QQ1	168 *	157 *	106 *	119	116	118	118
19	Y3QP0	175 *	162 *	107 *	115	118	117	118
20	Y3QP1	171 *	154 *	100	110	113	113	117
21	Y3QP2	174 *	164 *	105 *	110	118	115	120
22	Y3QP3	171 *	162 *	103	106	115	114	118
23	Y3QP4	166 *	151 *	100	109	110	110	113
24	Y3QP5	166 *	153 *	98	104	111	111	114
25	Y3QP6	169 *	154 *	103	113	119	119	122
26	Y3QP7	155 *	139 *	94	100	104	103	106
27								
28								
29								
30								

	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.: 1391.3 SDG No.: Y3QN3

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT
01	VBLK19	87	88	96	125		96	98	0
02	Y3QN3	103	113	105	109		99	113	2
03	Y3QN4	103	113	94	107		99	113	3
04	Y3QN5	104	109	99	110		103	113	2
05	VBLK20	88	89	93	114		98	98	0
06	Y3QN5DL	106	114	102	112		105	115	2
07	Y3QN6MS	105	113	101	114		102	112	3
08	Y3QN6MSD	99	108	94	107		100	109	3
09	Y3QN6	108	116	103	112		106	117	3
10	Y3QN7	106	113	101	111		102	115	2
11	Y3QN8	109	117	94	111		103	117	3
12	Y3QN9	111	118	103	119		111	121	4
13	VHBLK33RE	98	105	90	105		99	107	2
14	VHBLK33	101	109	93	108		102	110	2
15	Y3QP8	108	119	103	112		105	118	3
16	Y3QQ0	111	120	105	116		107	120	3
17	Y3QQ0DL	100	108	91	104		97	108	2
18	Y3QQ1	106	115	100	116		110	116	3
19	Y3QP0	106	113	99	112		104	113	3
20	Y3QP1	105	112	86	109		101	113	2
21	Y3QP2	106	113	90	112		108	114	4
22	Y3QP3	106	114	91	108		104	112	3
23	Y3QP4	102	109	88	108		99	109	2
24	Y3QP5	103	108	91	107		97	111	2
25	Y3QP6	108	117	105	113		102	120	2
26	Y3QP7	95	102	90	99		91	105	2
27									
28									
29									
30									

	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

SOM01.2 (10/2006)

3A - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix Spike - EPA Sample No.: Y3QN6 Level: (TRACE or LOW) Trace

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC LIMITS REC.
1,1-Dichloroethene	5.0	0.092	6.7	134		61-145
Trichloroethene	5.0	6.2	9.2	59	*	71-120
Benzene	5.0		5.9	118		76-127
Toluene	5.0		6.0	119		76-125
Chlorobenzene	5.0		5.5	110		75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5.0	5.5	110		20	*	0-14	61-145
Trichloroethene	5.0	9.6	66	*	11		0-14	71-120
Benzene	5.0	4.9	99		18	*	0-11	76-127
Toluene	5.0	5.1	101		16	*	0-13	76-125
Chlorobenzene	5.0	4.6	93		17	*	0-13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC Limits

RPD: 4 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS:

EPA SAMPLE NO.

VBLK19

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.: 1391.3 SDG No.: Y3QN3

Lab File ID: 81119A10 Lab Sample ID: IQ68091-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/19/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1132

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	Y3QN3	IK15003-001	81119A11	1212
02	Y3QN4	IK15003-002	81119A12	1234
03	Y3QN5	IK15003-003	81119A13	1256
04	Y3QN6	IK15003-004	81119A20	1530
05	Y3QN7	IK15003-005	81119A21	1552
06	Y3QN8	IK15003-006	81119A22	1614
07	Y3QN9	IK15003-007	81119A23	1636
08	Y3QP0	IK16006-001	81119A24	1658
09				
10				
11				
12				
13				
14				
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COMMENTS:

EPA SAMPLE NO.

VBLK20

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.: 1391.3 SDG No.: Y3QN3

Lab File ID: 81120B07 Lab Sample ID: IQ68205-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/20/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 0954

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	Y3QP1	IK16006-002	81120B13	1227
02	Y3QP2	IK16006-003	81120B14	1249
03	Y3QP3	IK16006-004	81120B15	1311
04	Y3QP4	IK16006-005	81120B16	1332
05	Y3QP5	IK16006-006	81120B17	1354
06	Y3QN6MS	IK15003-004MS	81120B18	1427
07	Y3QN6MSD	IK15003-004MD	81120B19	1449
08	Y3QN5DL	IK15003-003	81120B20	1511
09	Y3QP6	IK16006-007	81120B21	1533
10	Y3QP8	IK15003-009	81120B23	1618
11	Y3QQ0	IK15003-010	81120B24	1640
12	Y3QQ1	IK15003-011	81120B25	1702
13	Y3QP7	IK16006-008	81120B26	1723
14	Y3QQ0DL	IK15003-010	81120B27	1745
15	VHBLK33	IK15003-008	81120B30	1851
16	VHBLK33RE	IK15003-008	81120B31	1913
17				
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COMMENTS:

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

EPA SAMPLE NO.
BFB19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Lab File ID: 81119A01 BFB Injection Date: 11/19/2007

Instrument ID: MSD8 BFB Injection Time: 0649

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	15.7	
75	30.0 - 80.0% of mass 95	43.6	
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	82.1	
175	5.0 - 9.0% of mass 174	6.0	(7.4) 1
176	95.0 - 101% of mass 174	79.1	(96.4) 1
177	5.0 - 9.0% of mass 176	5.1	(6.4) 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	VSTD02019	VSTD02019	81119A02	11/19/2007	0704
02	VSTD01019	VSTD01019	81119A03	11/19/2007	0726
03	VSTD00519	VSTD00519	81119A04	11/19/2007	0748
04	VSTD00119	VSTD00119	81119A05	11/19/2007	0810
05	VSTD0.519	VSTD0.519	81119A06	11/19/2007	0832
06	VBLK19	IQ68091-001	81119A10	11/19/2007	1132
07	Y3QN3	IK15003-001	81119A11	11/19/2007	1212
08	Y3QN4	IK15003-002	81119A12	11/19/2007	1234
09	Y3QN5	IK15003-003	81119A13	11/19/2007	1256
10	Y3QN6	IK15003-004	81119A20	11/19/2007	1530
11	Y3QN7	IK15003-005	81119A21	11/19/2007	1552
12	Y3QN8	IK15003-006	81119A22	11/19/2007	1614
13	Y3QN9	IK15003-007	81119A23	11/19/2007	1636
14	Y3QP0	IK16006-001	81119A24	11/19/2007	1658
15	VSTD005B9	VSTD005B9	81119A28	11/19/2007	1825
16					
17					
18					
19					
20					
21					
22					

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

EPA SAMPLE NO.
BFB20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Lab File ID: 81120B04 BFB Injection Date: 11/20/2007

Instrument ID: MSD8 BFB Injection Time: 0846

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.5
75	30.0 - 80.0% of mass 95	44.0
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	81.3
175	5.0 - 9.0% of mass 174	6.0 (7.4) 1
176	95.0 - 101% of mass 174	79.8 (98.1) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 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	VSTD00520	VSTD00520	81120B05	11/20/2007	0855
02	VBLK20	IQ68205-001	81120B07	11/20/2007	0954
03	Y3QP1	IK16006-002	81120B13	11/20/2007	1227
04	Y3QP2	IK16006-003	81120B14	11/20/2007	1249
05	Y3QP3	IK16006-004	81120B15	11/20/2007	1311
06	Y3QP4	IK16006-005	81120B16	11/20/2007	1332
07	Y3QP5	IK16006-006	81120B17	11/20/2007	1354
08	Y3QN6MS	IK15003-004MS	81120B18	11/20/2007	1427
09	Y3QN6MSD	IK15003-004MD	81120B19	11/20/2007	1449
10	Y3QN5DL	IK15003-003	81120B20	11/20/2007	1511
11	Y3QP6	IK16006-007	81120B21	11/20/2007	1533
12	Y3QP8	IK15003-009	81120B23	11/20/2007	1618
13	Y3QQ0	IK15003-010	81120B24	11/20/2007	1640
14	Y3QQ1	IK15003-011	81120B25	11/20/2007	1702
15	Y3QP7	IK16006-008	81120B26	11/20/2007	1723
16	Y3QQ0DL	IK15003-010	81120B27	11/20/2007	1745
17	VHBLK33	IK15003-008	81120B30	11/20/2007	1851
18	VHBLK33RE	IK15003-008	81120B31	11/20/2007	1913
19	VSTD005C0	VSTD005C0	81120B32	11/20/2007	1934
20					
21					
22					

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.: 1391.3 SDG No.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00519 Date Analyzed: 11/19/2007

Lab File ID (Standard): 81119A04 Time Analyzed: 0748

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	401029		9.253		440828		5.314		230063		11.551	
	UPPER LIMIT	561441		9.583		617159		5.644		322088		11.881	
	LOWER LIMIT	240617		8.923		264497		4.984		138038		11.221	
	EPA SAMPLE NO.												
01	VBLK19	400580		9.252		447189		5.313		219221		11.55	
02	Y3QN3	402023		9.253		448325		5.314		218176		11.55	
03	Y3QN4	385961		9.253		426372		5.314		209962		11.55	
04	Y3QN5	385491		9.253		424767		5.314		210242		11.55	
05	Y3QN6	375017		9.253		415815		5.313		201474		11.55	
06	Y3QN7	372429		9.253		408668		5.313		199864		11.55	
07	Y3QN8	369929		9.253		403078		5.314		199828		11.55	
08	Y3QN9	376946		9.253		412353		5.314		203901		11.55	
09	Y3QP0	367710		9.253		401821		5.313		202178		11.55	
10													
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19													
20													
21													
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.: 1391.3 SDG No.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005B9 Date Analyzed: 11/19/2007

Lab File ID (Standard): 81119A28 Time Analyzed: 1825

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	389754		9.253		428543		5.314		225606		11.551	
	UPPER LIMIT	545656		9.583		599960		5.644		315848		11.881	
	LOWER LIMIT	233852		8.923		257126		4.984		135364		11.221	
	EPA SAMPLE NO.												
01	VBLK19	400580		9.252		447189		5.313		219221		11.55	
02	Y3QN3	402023		9.253		448325		5.314		218176		11.55	
03	Y3QN4	385961		9.253		426372		5.314		209962		11.55	
04	Y3QN5	385491		9.253		424767		5.314		210242		11.55	
05	Y3QN6	375017		9.253		415815		5.313		201474		11.55	
06	Y3QN7	372429		9.253		408668		5.313		199864		11.55	
07	Y3QN8	369929		9.253		403078		5.314		199828		11.55	
08	Y3QN9	376946		9.253		412353		5.314		203901		11.55	
09	Y3QP0	367710		9.253		401821		5.313		202178		11.55	
10													
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21													
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.: 1391.3 SDG No.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00520 Date Analyzed: 11/20/2007

Lab File ID (Standard): 81120B05 Time Analyzed: 0855

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	410390		9.253		452780		5.314		237350		11.551	
	UPPER LIMIT	574546		9.583		633892		5.644		332290		11.881	
	LOWER LIMIT	246234		8.923		271668		4.984		142410		11.221	
	EPA SAMPLE NO.												
01	VBLK20	411444		9.253		464051		5.313		227029		11.55	
02	Y3QN5DL	381448		9.253		421006		5.314		209511		11.55	
03	Y3QN6MS	386203		9.253		435728		5.313		209046		11.55	
04	Y3QN6MSD	382406		9.253		423715		5.314		207588		11.55	
05	VHBLK33RE	373631		9.253		408015		5.314		202652		11.55	
06	VHBLK33	363887		9.253		397522		5.314		199122		11.55	
07	Y3QP8	381461		9.253		418805		5.314		206103		11.55	
08	Y3QQ0	375607		9.253		416449		5.313		203741		11.55	
09	Y3QQ0DL	369273		9.253		403168		5.314		199079		11.55	
10	Y3QQ1	372156		9.253		406986		5.314		207432		11.55	
11	Y3QP1	386198		9.253		427369		5.313		212884		11.55	
12	Y3QP2	381036		9.253		420780		5.313		211472		11.55	
13	Y3QP3	379919		9.253		423243		5.313		207968		11.55	
14	Y3QP4	387048		9.253		425059		5.313		210645		11.55	
15	Y3QP5	377650		9.253		415609		5.314		205657		11.55	
16	Y3QP6	383968		9.253		421481		5.313		206758		11.55	
17	Y3QP7	375389		9.253		412398		5.314		201485		11.55	
18													
19													
20													
21													
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.: 1391.3 SDG No.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005C0 Date Analyzed: 11/20/2007

Lab File ID (Standard): 81120B32 Time Analyzed: 1934

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	380764		9.253		414124		5.314		225886		11.551	
	UPPER LIMIT	533070		9.583		579774		5.644		316240		11.881	
	LOWER LIMIT	228458		8.923		248474		4.984		135532		11.221	
	EPA SAMPLE NO.												
01	VBLK20	411444		9.253		464051		5.313		227029		11.55	
02	Y3QN5DL	381448		9.253		421006		5.314		209511		11.55	
03	Y3QN6MS	386203		9.253		435728		5.313		209046		11.55	
04	Y3QN6MSD	382406		9.253		423715		5.314		207588		11.55	
05	VHBLK33RE	373631		9.253		408015		5.314		202652		11.55	
06	VHBLK33	363887		9.253		397522		5.314		199122		11.55	
07	Y3QP8	381461		9.253		418805		5.314		206103		11.55	
08	Y3QQ0	375607		9.253		416449		5.313		203741		11.55	
09	Y3QQ0DL	369273		9.253		403168		5.314		199079		11.55	
10	Y3QQ1	372156		9.253		406986		5.314		207432		11.55	
11	Y3QP1	386198		9.253		427369		5.313		212884		11.55	
12	Y3QP2	381036		9.253		420780		5.313		211472		11.55	
13	Y3QP3	379919		9.253		423243		5.313		207968		11.55	
14	Y3QP4	387048		9.253		425059		5.313		210645		11.55	
15	Y3QP5	377650		9.253		415609		5.314		205657		11.55	
16	Y3QP6	383968		9.253		421481		5.313		206758		11.55	
17	Y3QP7	375389		9.253		412398		5.314		201485		11.55	
18													
19													
20													
21													
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.

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

EPA SAMPLE NO.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.089	J
75-01-4	Vinyl chloride	0.56	
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	0.082	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	1.4	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.14	JB
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.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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					
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22					
23					
24					
25					
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\8nov1907.b\81119A11.D
Lab Smp Id: IK15003-001 Client Smp ID: Y3QN3
Inj Date : 19-NOV-2007 12:12
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 9
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)	2462	0.08947	0.0894(a)
$ 3	Vinyl Chloride-d3	65	1.243	1.223	(0.234)	75383	8.68294	8.6829(R)
4	Vinyl Chloride	62	1.243	1.223	(0.234)	14190	0.55650	0.5565
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	81987	7.77038	7.7703(R)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.972	1.982	(0.371)	201133	5.20507	5.2050(R)
13	1,1-Dichloroethene	96	1.972	1.992	(0.371)	1661	0.08165	0.0816(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	Compound Not Detected.					
15	Carbon Disulfide	76	2.164	2.164	(0.407)	93387	1.42628	1.4262
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.347	2.347	(0.442)	7045	0.24261	0.2426(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	3.633	(0.684)	502619	53.4040	53.4040
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)	223594	5.56403	5.5640
31	Chloroform	83	4.088	4.088	(0.769)	5325	0.14245	0.1424(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)	116040	5.61835	5.6183
$	36		Benzene-d6	84	4.716	4.716	(0.510)	511750	5.78024	5.7802
	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)	448325	5.00000	
	42		Trichloroethene	95	Compound Not Detected.					
$	44		1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	150763	5.15774	5.1577
	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)	22963	204.247	204.2467(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)	250317	5.22531	5.2253
	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)	433268	5.63885	5.6388
	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	8.281	(0.895)	486489	54.6464	54.6464
	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)	402023	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)	122563	4.93700	4.9370
	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)	218176	5.00000	
	86		1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87		1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	174685	5.63212	5.6321
	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.

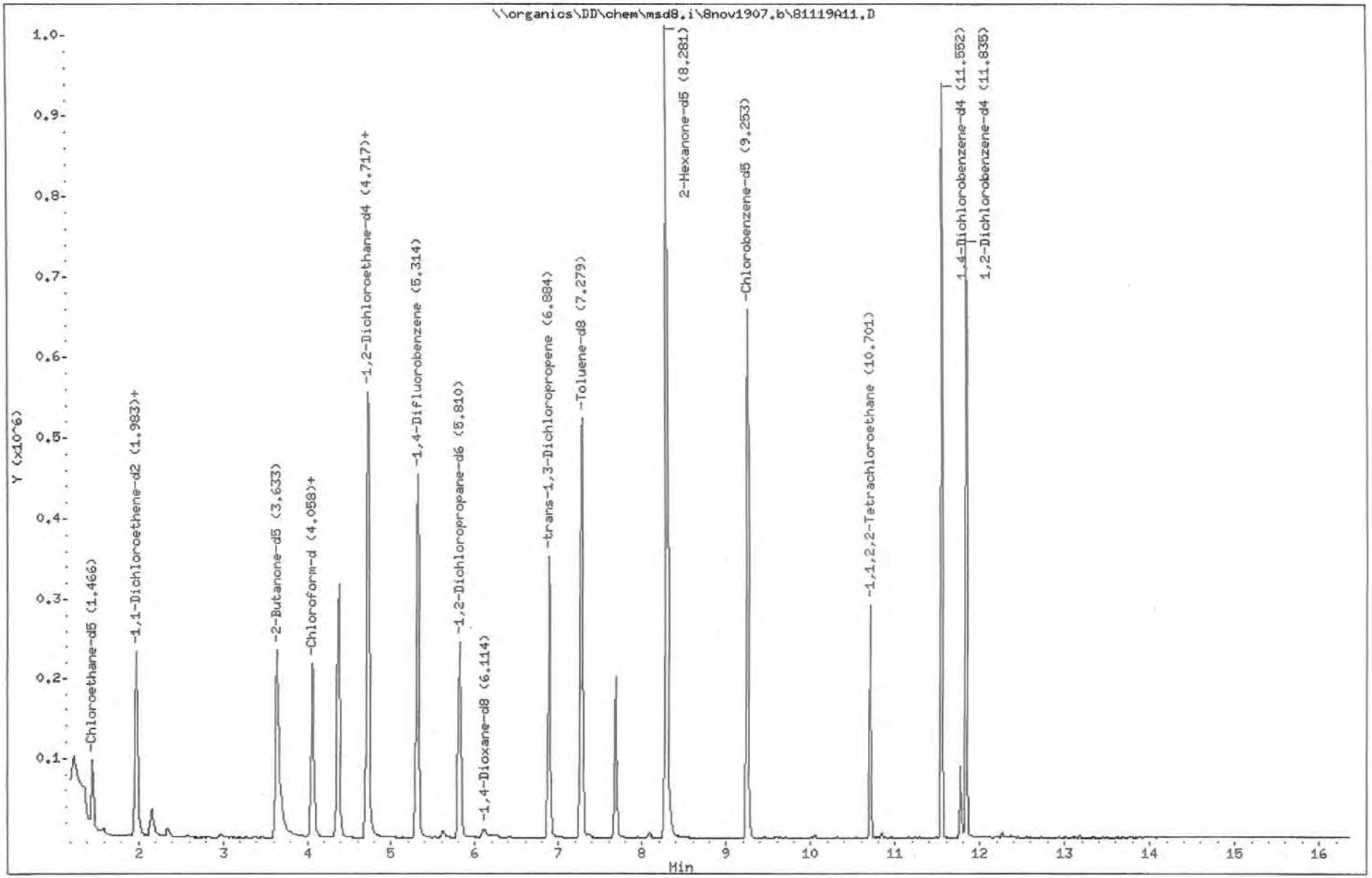
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A11.D
Lab Smp Id: IK15003-001 Client Smp ID: Y3QN3
Inj Date : 19-NOV-2007 12:12
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 9
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\8nov1907.b\81119A11.D
Date : 19-NOV-2007 12:12
Client ID: Y3QN3
Sample Info: 8nov1907.b, IK15003-001
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 19-NOV-2007 12:12

Client ID: Y3QN3

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-001

Purge Volume: 25.0

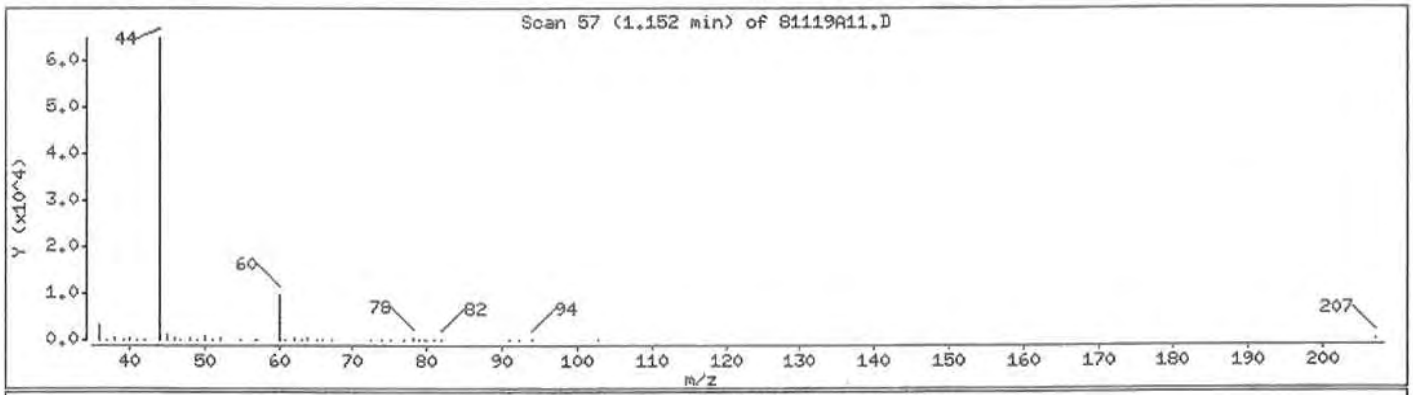
Operator: DLB

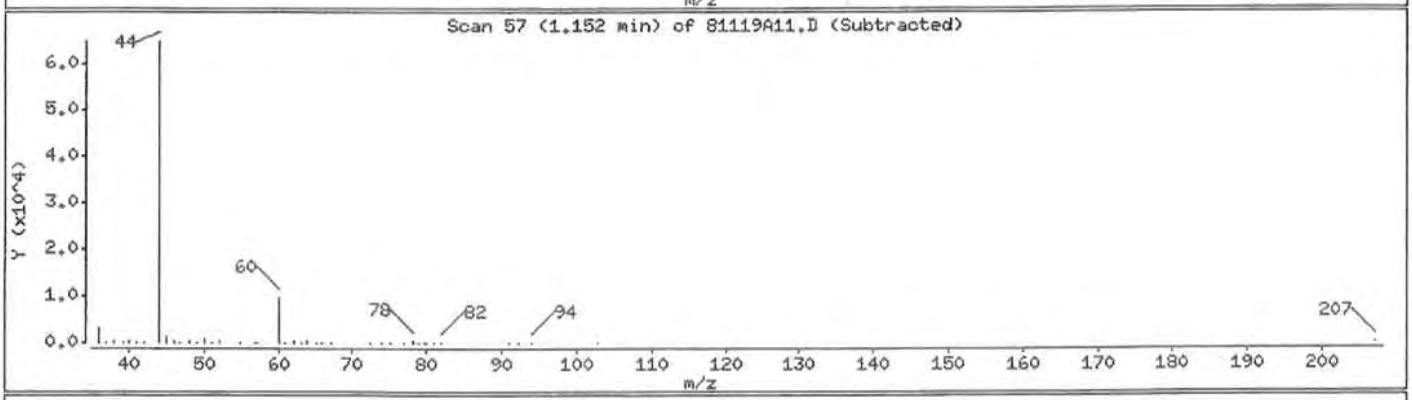
Column phase: DB-624

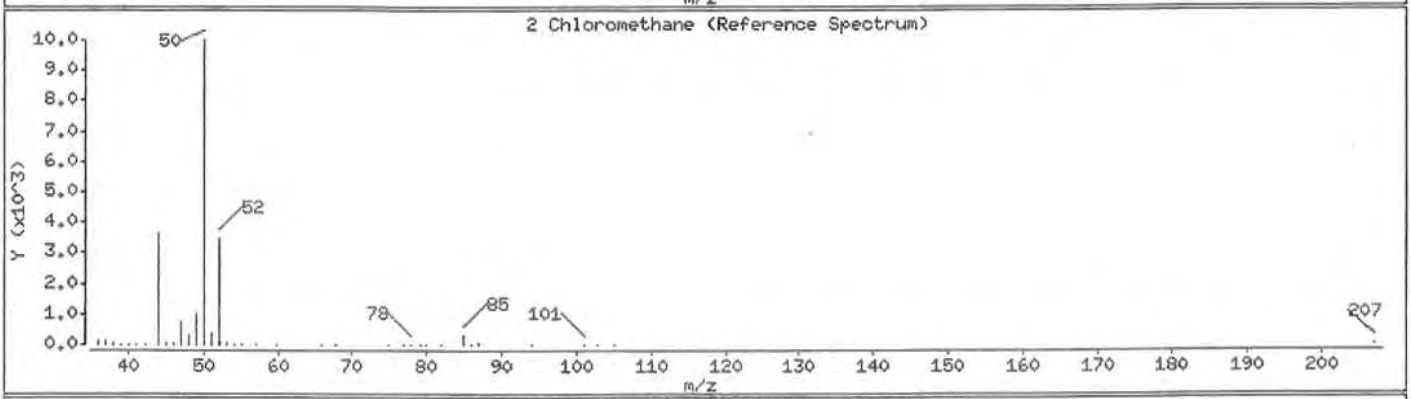
Column diameter: 0.18

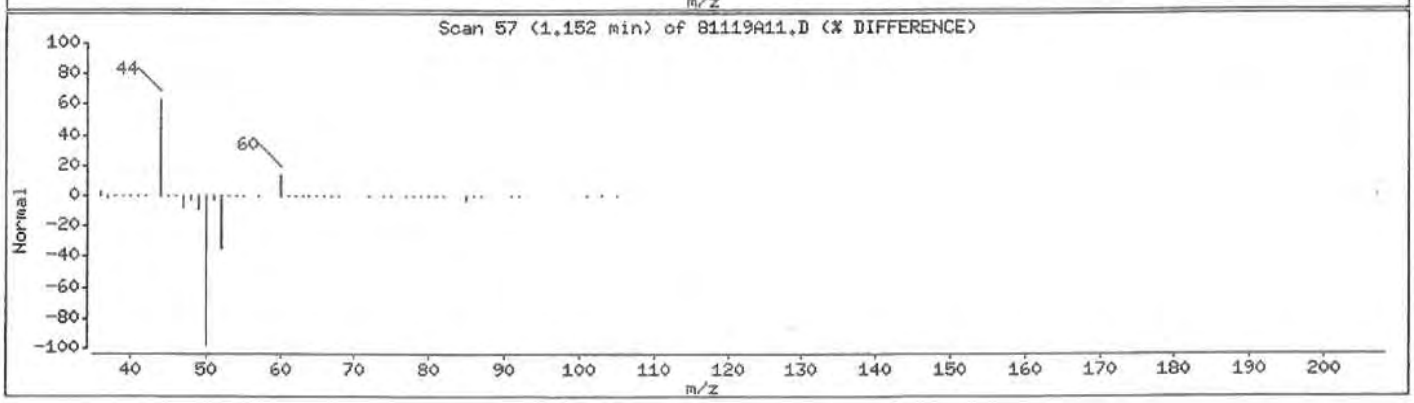
2 Chloromethane

Concentration: 0.0894 ug/L









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Date : 19-NOV-2007 12:12

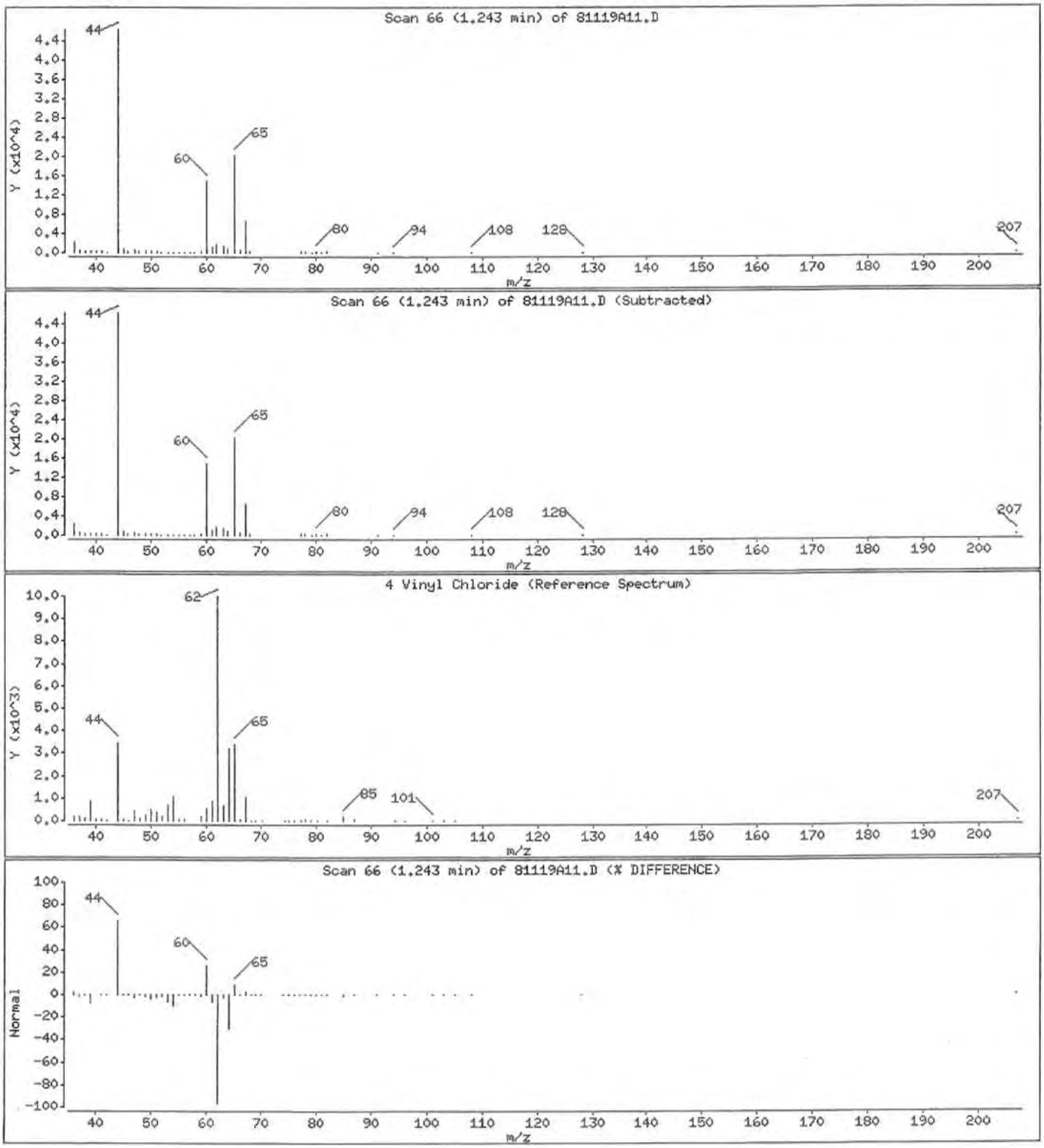
Client ID: Y3QN3 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

4 Vinyl Chloride Concentration: 0.5565 ug/L



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Date : 19-NOV-2007 12:12

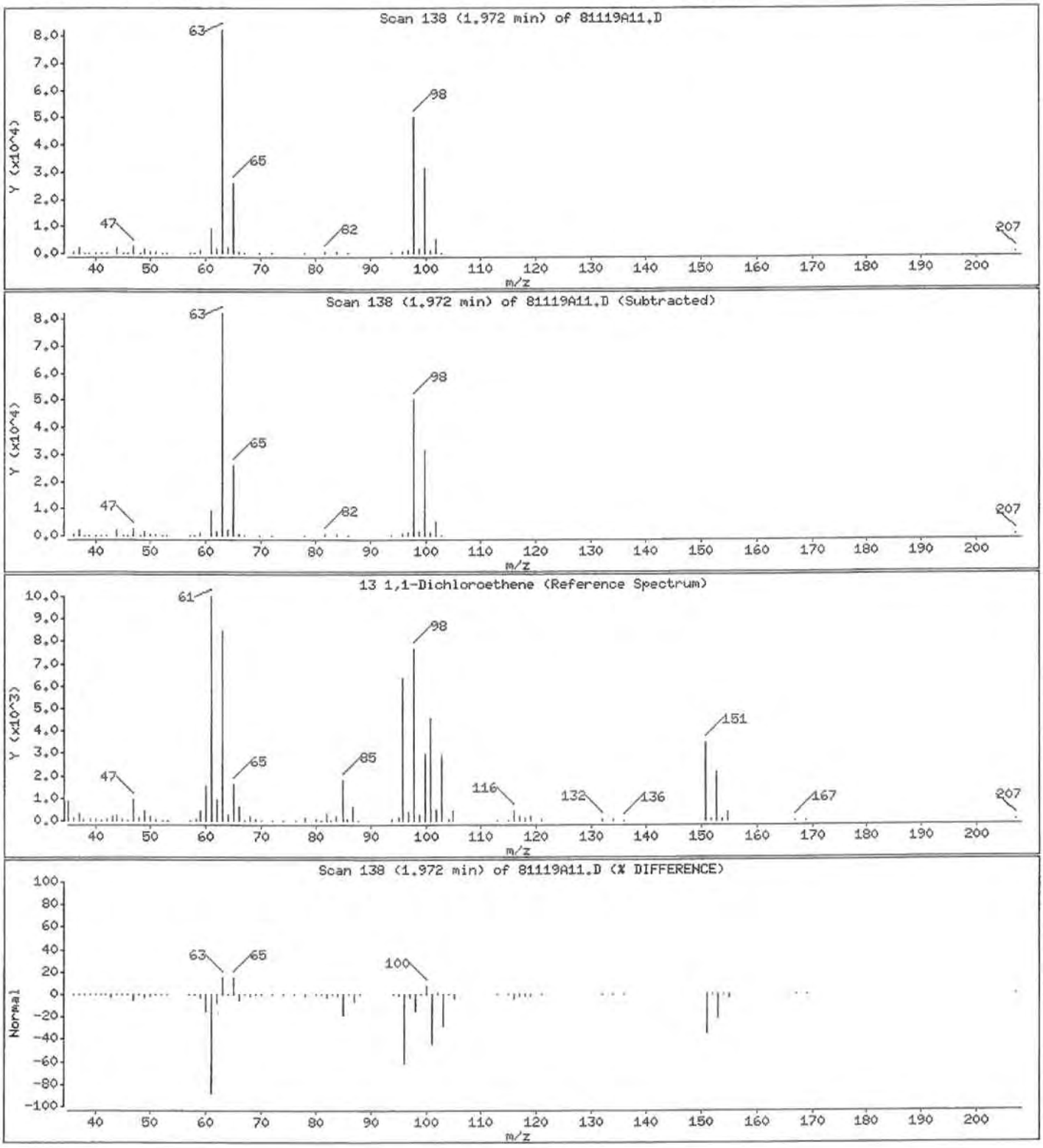
Client ID: Y3QN3 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0816 ug/L



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Date : 19-NOV-2007 12:12

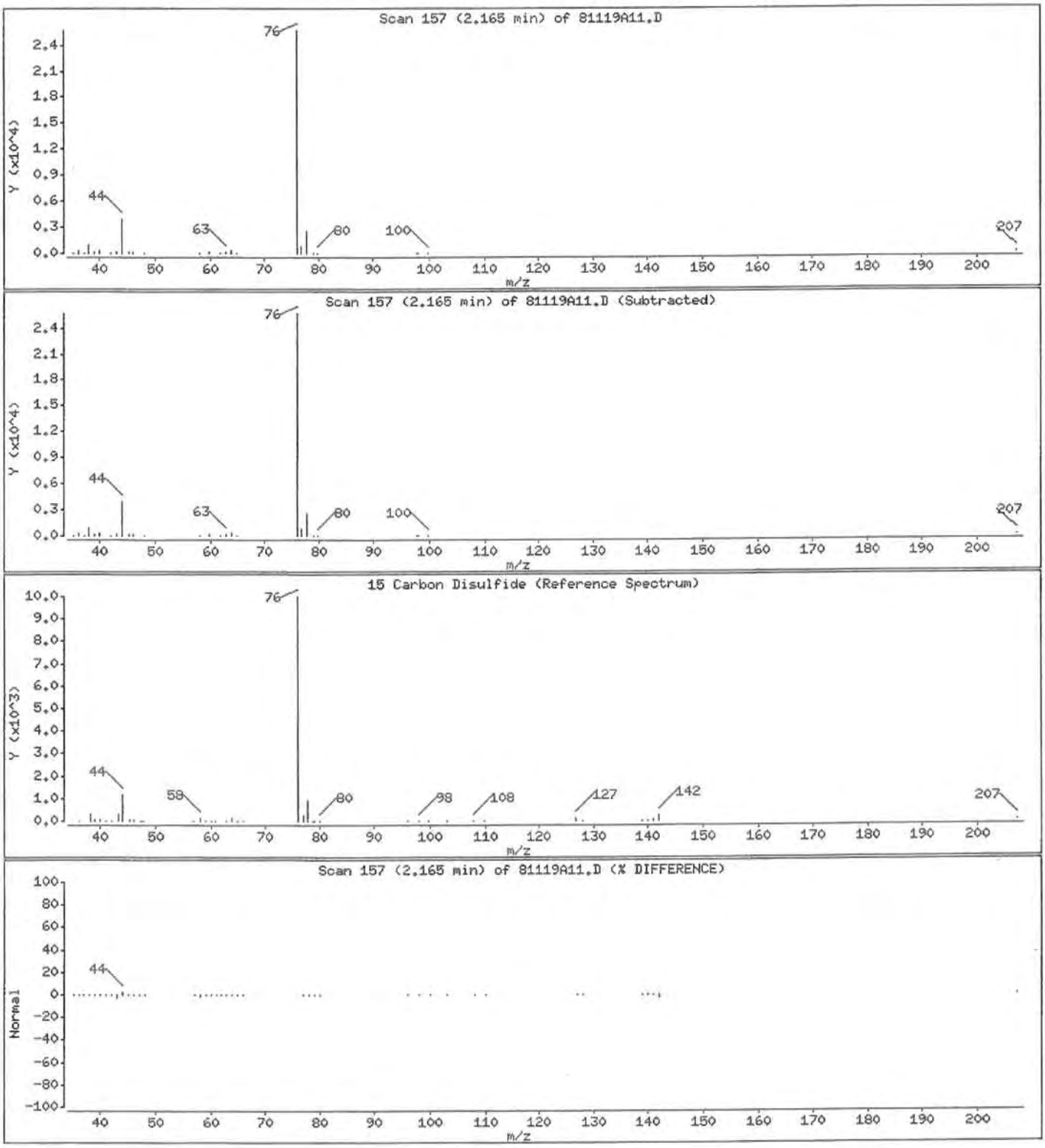
Client ID: Y3QN3 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 1.4262 ug/L



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Date : 19-NOV-2007 12:12

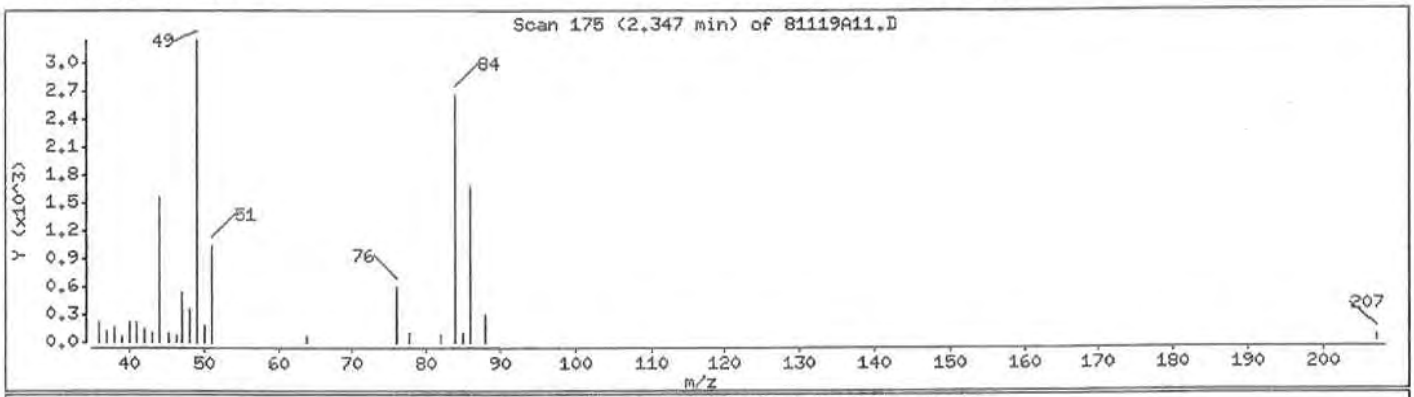
Client ID: Y3QN3 Instrument: msd8.i

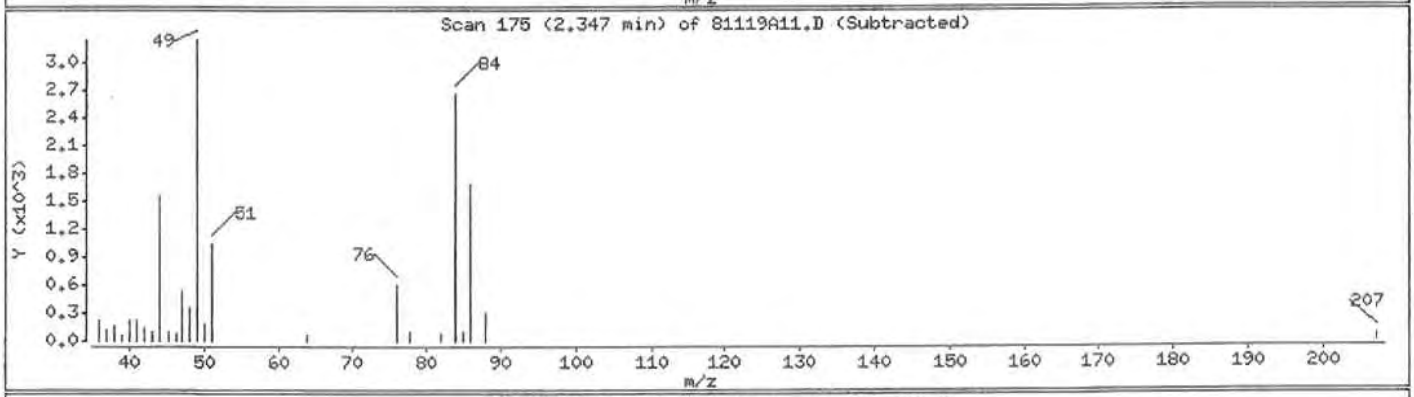
Sample Info: 8nov1907.b, IK15003-001

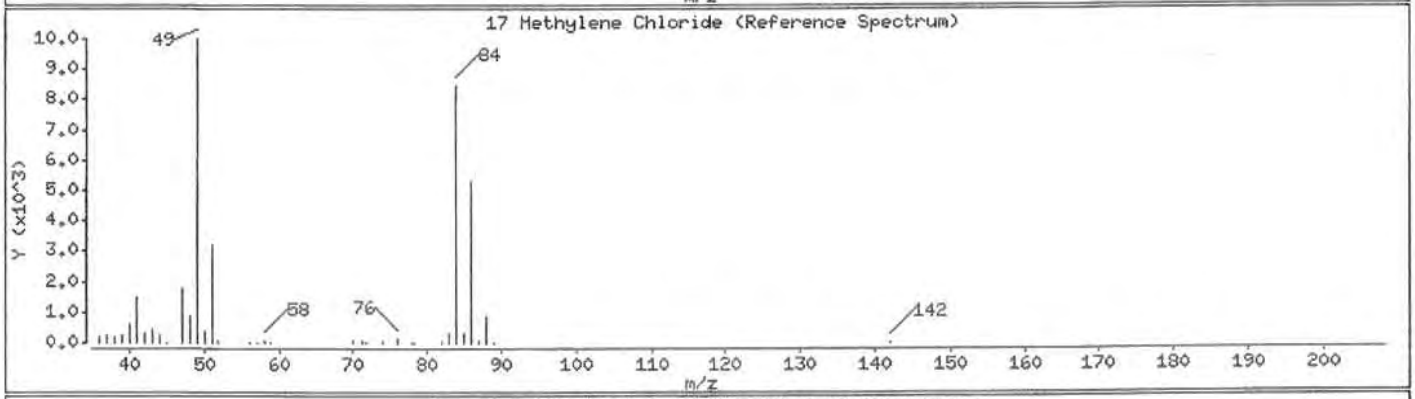
Purge Volume: 25.0 Operator: DLB

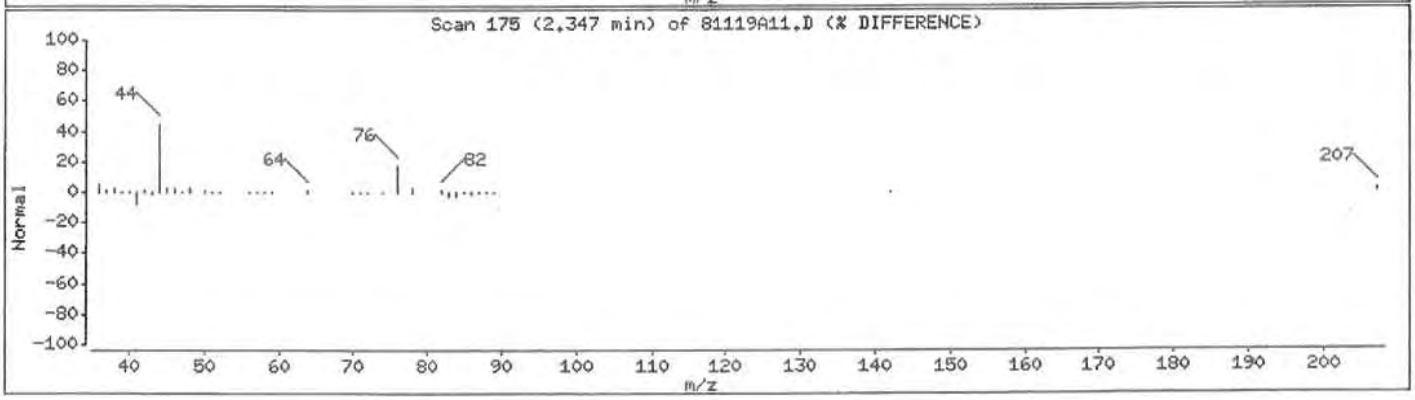
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2426 ug/L









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Date : 19-NOV-2007 12:12

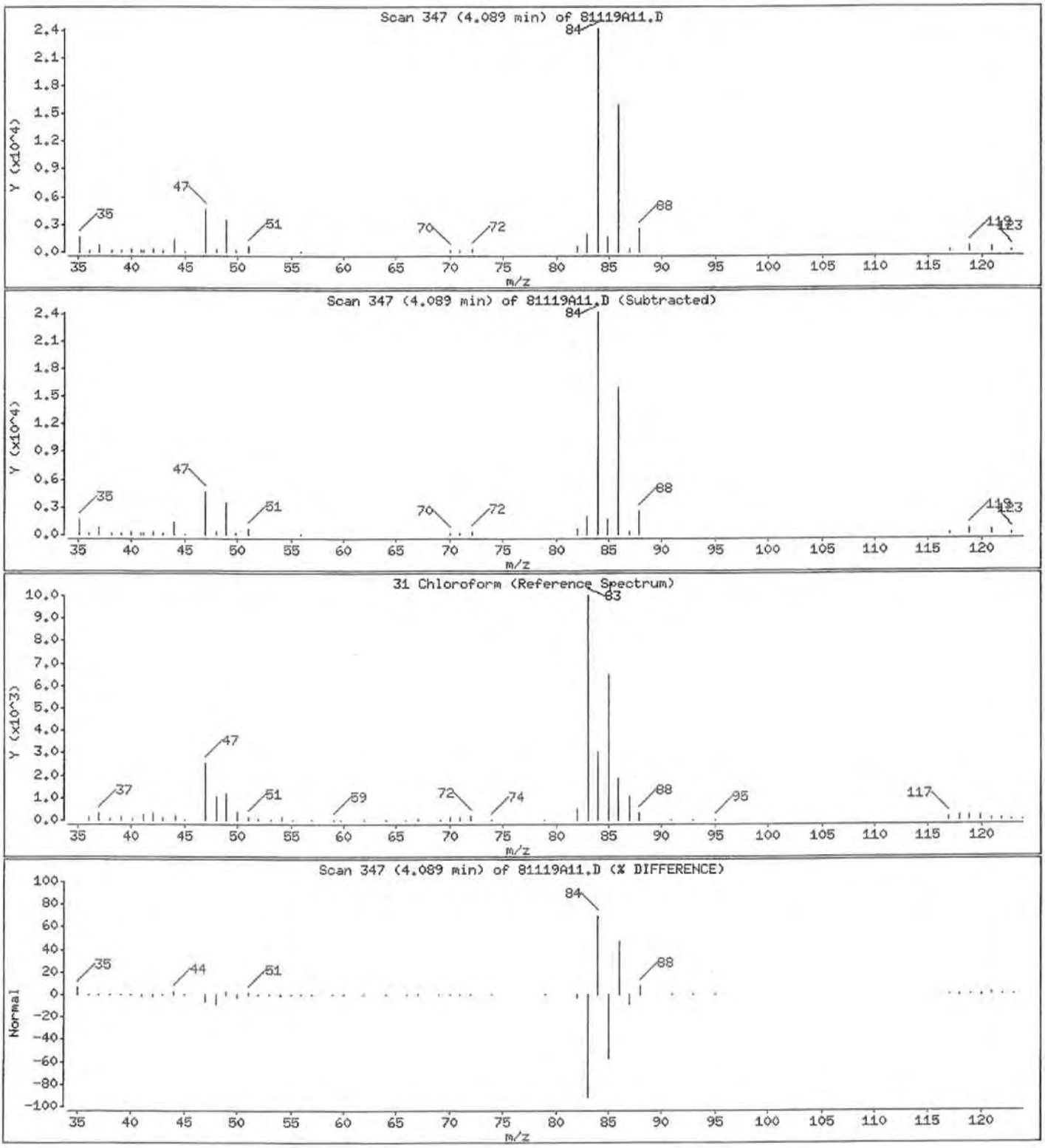
Client ID: Y3QN3 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-001

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1424 ug/L



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

EPA SAMPLE NO.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.072	J
75-01-4	Vinyl chloride	0.30	J
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	0.077	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	1.4	
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.25	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	0.13	JB
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.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.053	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.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.66	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A12.D
Lab Smp Id: IK15003-002 Client Smp ID: Y3QN4
Inj Date : 19-NOV-2007 12:34
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-002
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 10
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)	1887	0.07210	0.0721(a)
$	3 Vinyl Chloride-d3	65	1.243	1.223	(0.234)	69619	8.43190	8.4318(R)
	4 Vinyl Chloride	62	1.243	1.223	(0.234)	7171	0.29571	0.2957(a)
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	77061	7.67956	7.6795(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.972	1.982	(0.371)	185943	5.05973	5.0597
	13 1,1-Dichloroethene	96	1.982	1.992	(0.373)	1498	0.07743	0.0774(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	2.154	2.164	(0.405)	88495	1.42115	1.4211
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.347	2.347	(0.442)	6792	0.24594	0.2459(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	3.633	(0.686)	447338	49.9776	49.9775
	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)	215181	5.63038	5.6303
	31 Chloroform	83	4.088	4.088	(0.769)	4751	0.13364	0.1336(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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)	104782	5.33448	5.3344
$	36	Benzene-d6	84	4.716	4.716	(0.510)	489705	5.76143	5.7614
	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)	426372	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	145142	5.17208	5.1720
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.124	6.124	(1.152)	12955	121.162	121.1624(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)	216717	4.71219	4.7121
	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)	416404	5.64490	5.6448
	53	Toluene	91	7.359	7.359	(0.795)	4522	0.05302	0.0530(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	8.281	(0.895)	456205	53.3773	53.3772
	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)	385961	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)	118263	4.96204	4.9620
	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)	209962	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	169355	5.67389	5.6738
	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\8nov1907.b\81119A12.D
Lab Smp Id: IK15003-002 Client Smp ID: Y3QN4
Inj Date : 19-NOV-2007 12:34
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-002
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

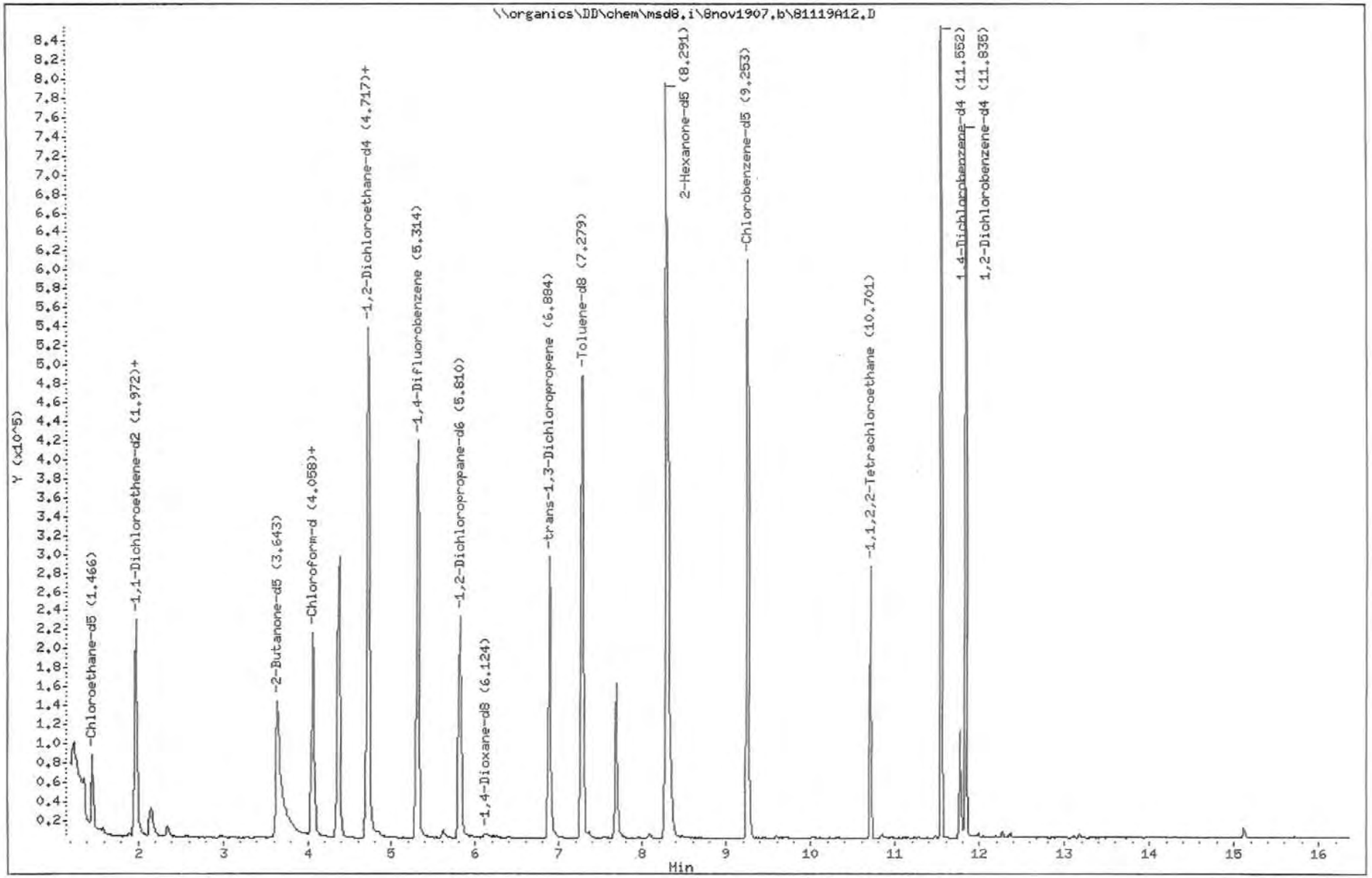
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1176018	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-			CAS #: 104-76-7				
11.775	154352	0.65624655	0.6562	86	NIST02.L	13220	85

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A12.D
Date : 19-NOV-2007 12:34
Client ID: Y3QN4
Sample Info: 8nov1907.b, IK15003-002
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 19-NOV-2007 12:34

Client ID: Y3QN4

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0

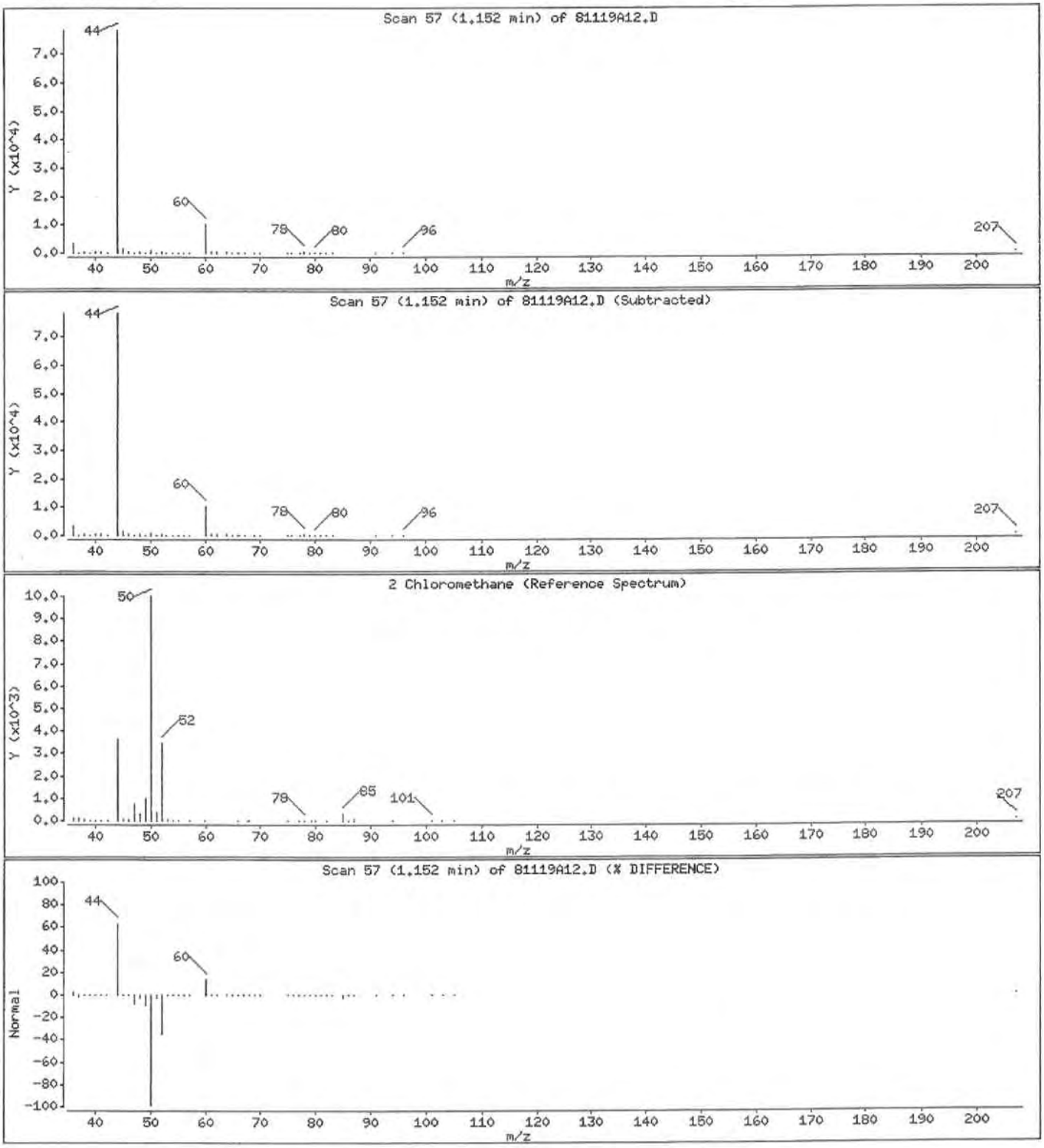
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

2 Chloromethane

Concentration: 0.0721 ug/L



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Date : 19-NOV-2007 12:34

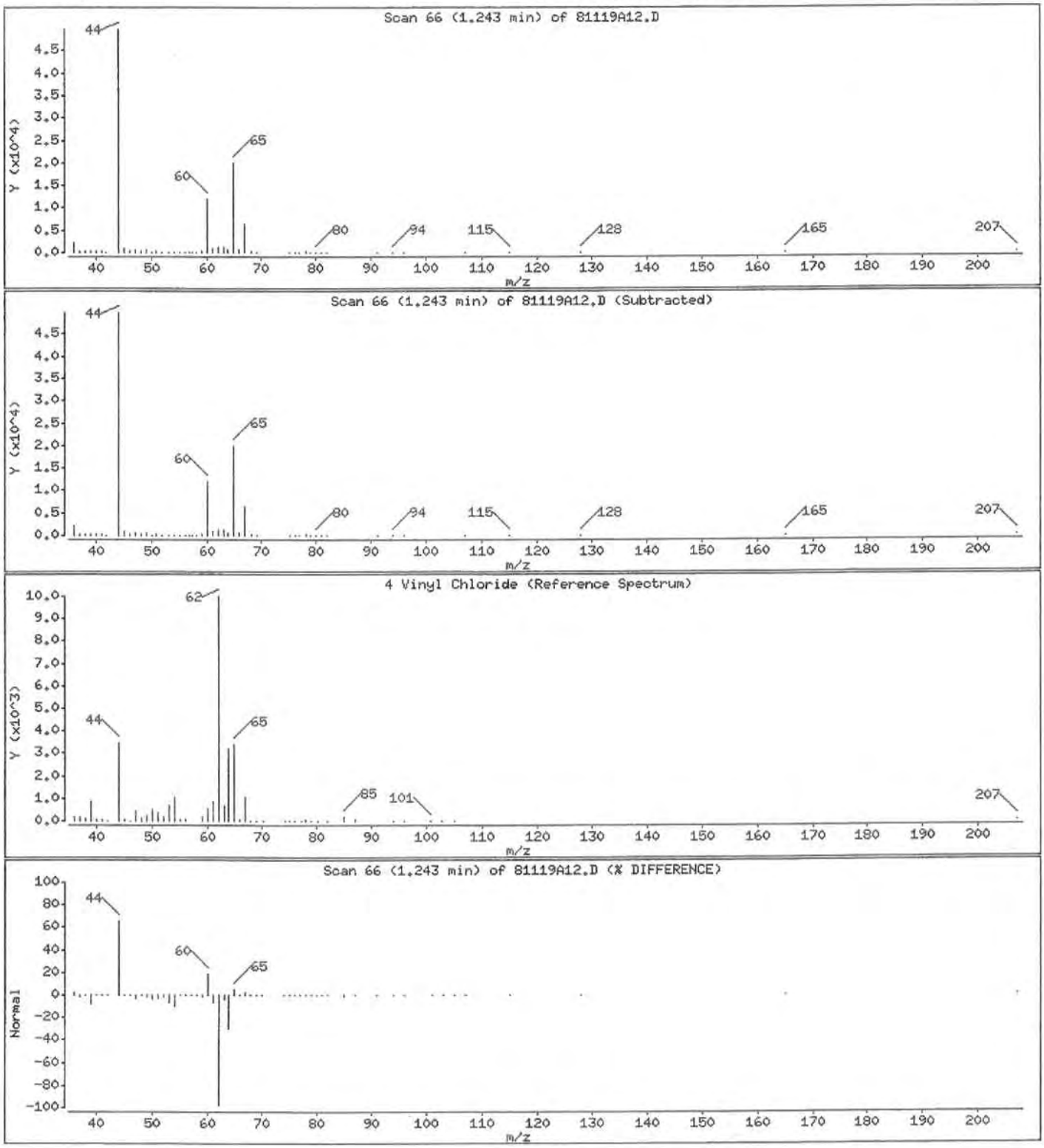
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

4 Vinyl Chloride Concentration: 0.2957 ug/L



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Date : 19-NOV-2007 12:34

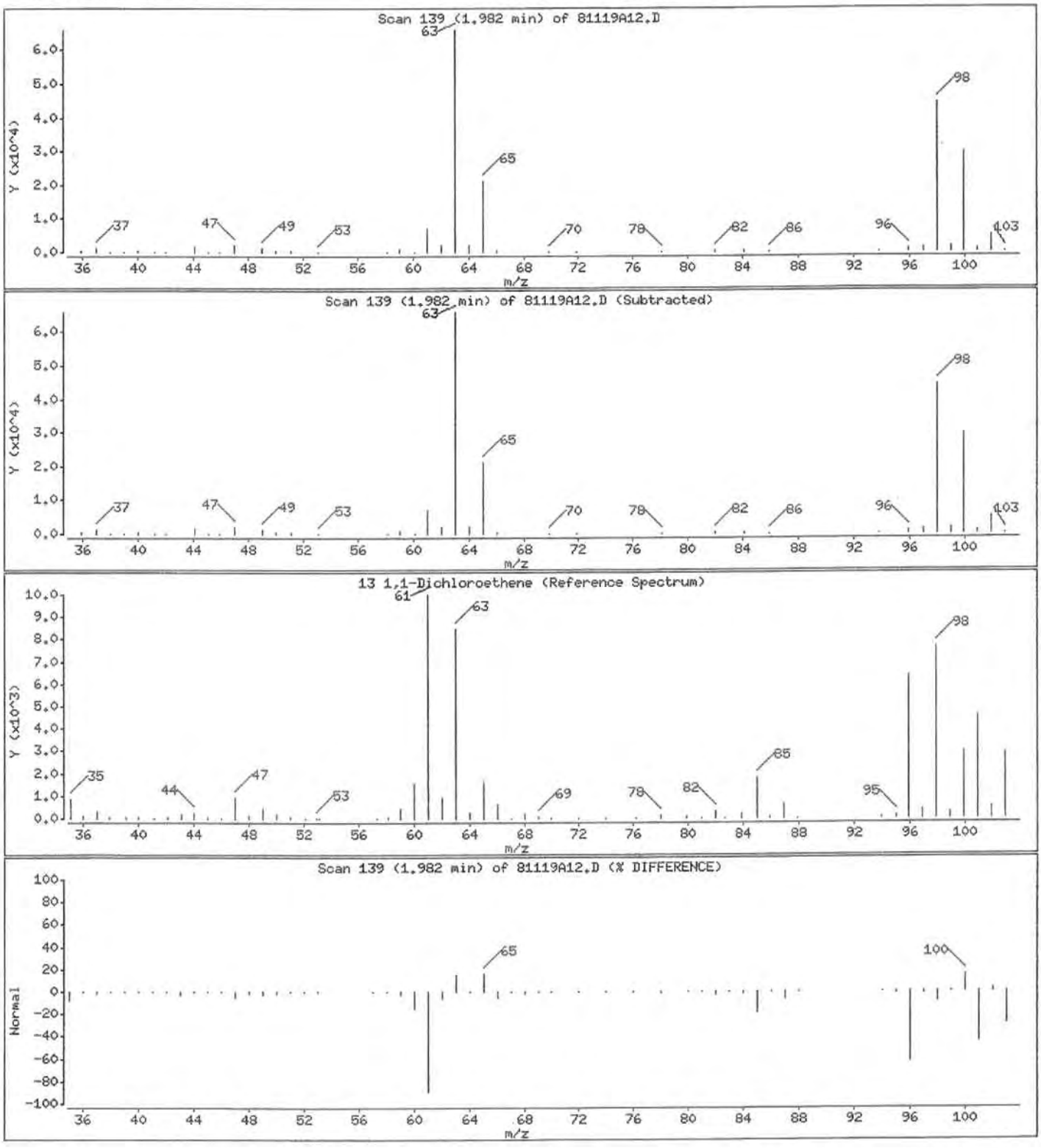
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0774 ug/L



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Date : 19-NOV-2007 12:34

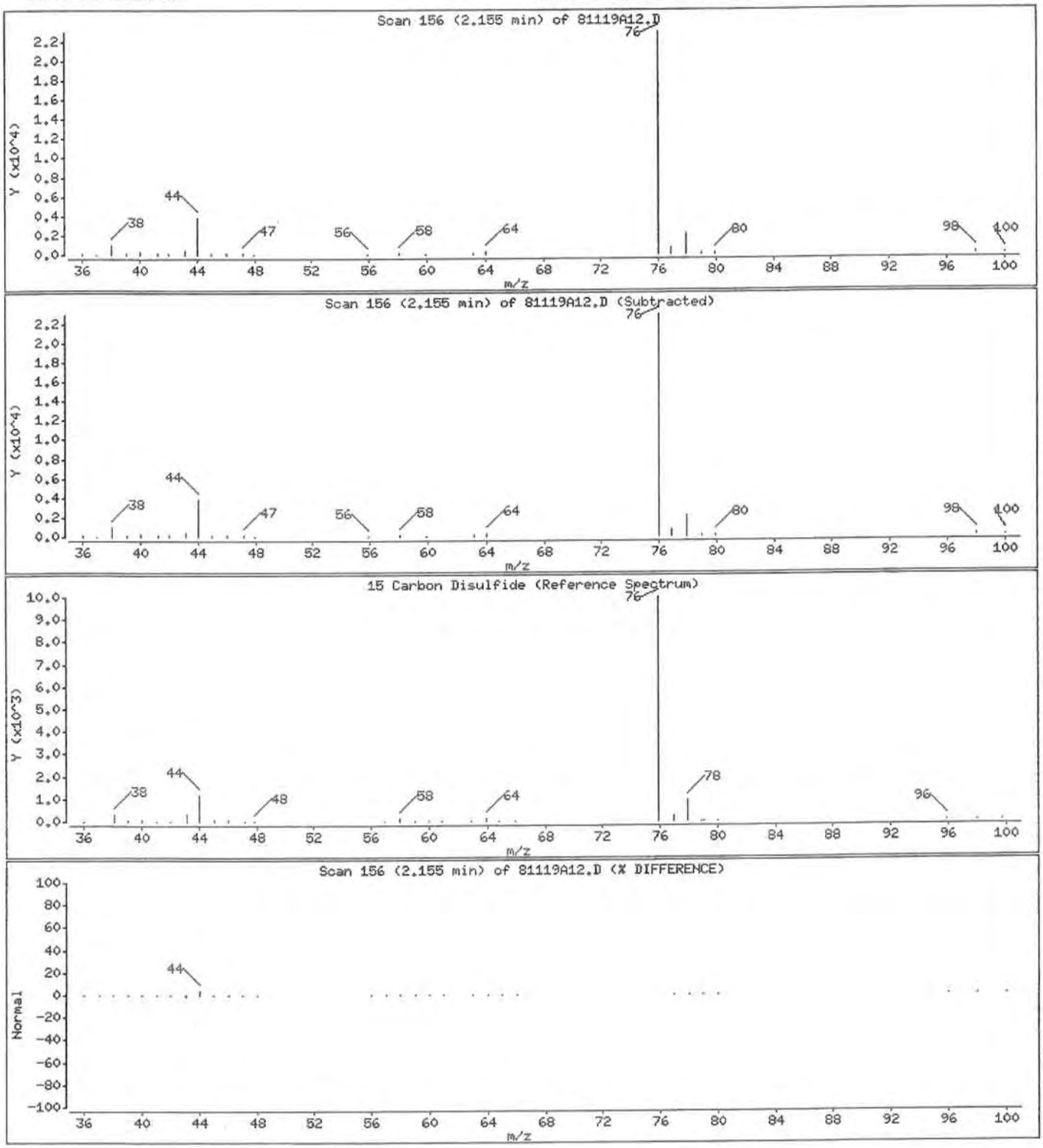
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 1.4211 ug/L



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Date : 19-NOV-2007 12:34

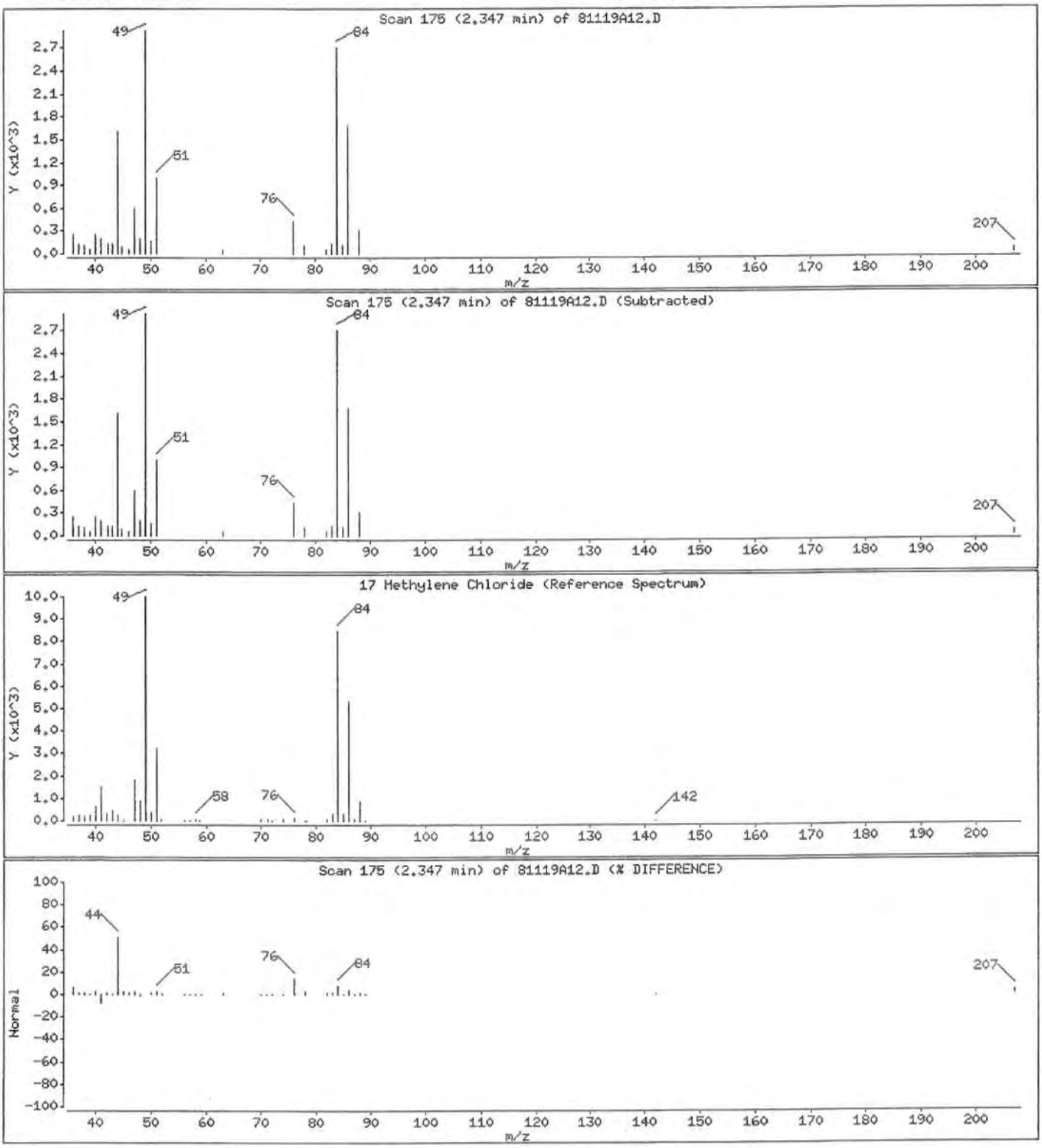
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2459 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A12.D

Date : 19-NOV-2007 12:34

Client ID: Y3QN4

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0

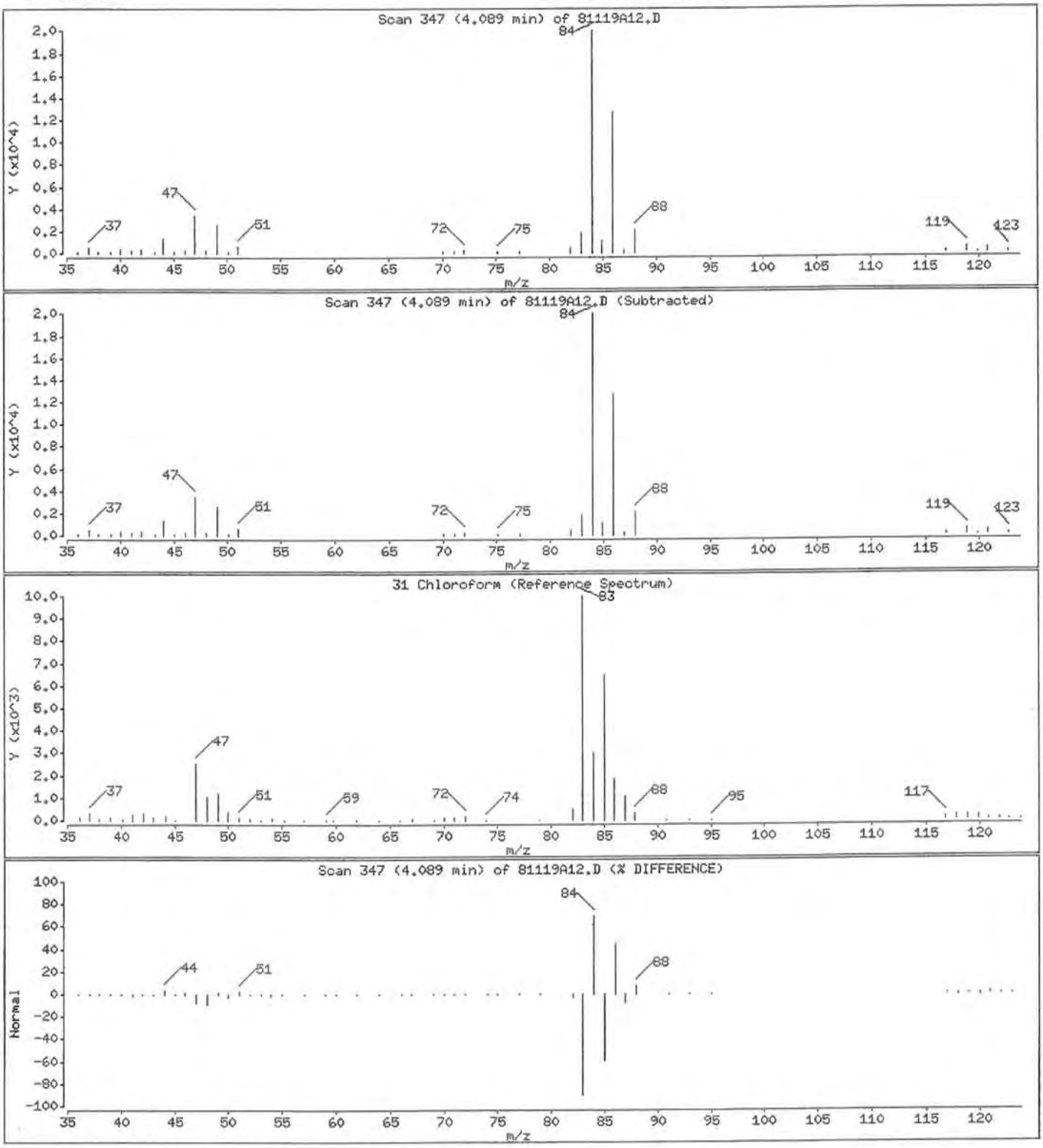
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.1336 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A12.D

Date : 19-NOV-2007 12:34

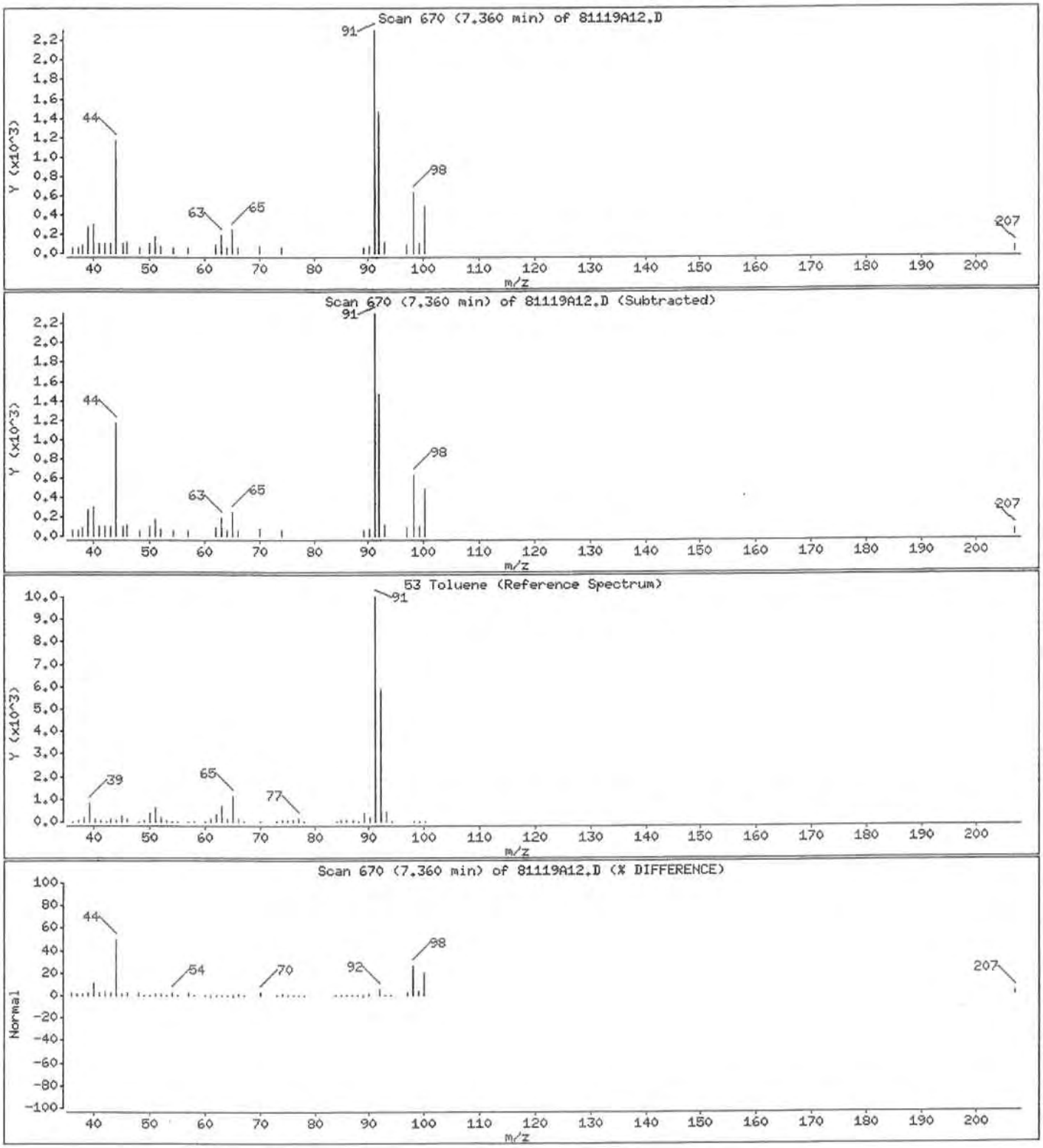
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0530 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A12.D

Date : 19-NOV-2007 12:34

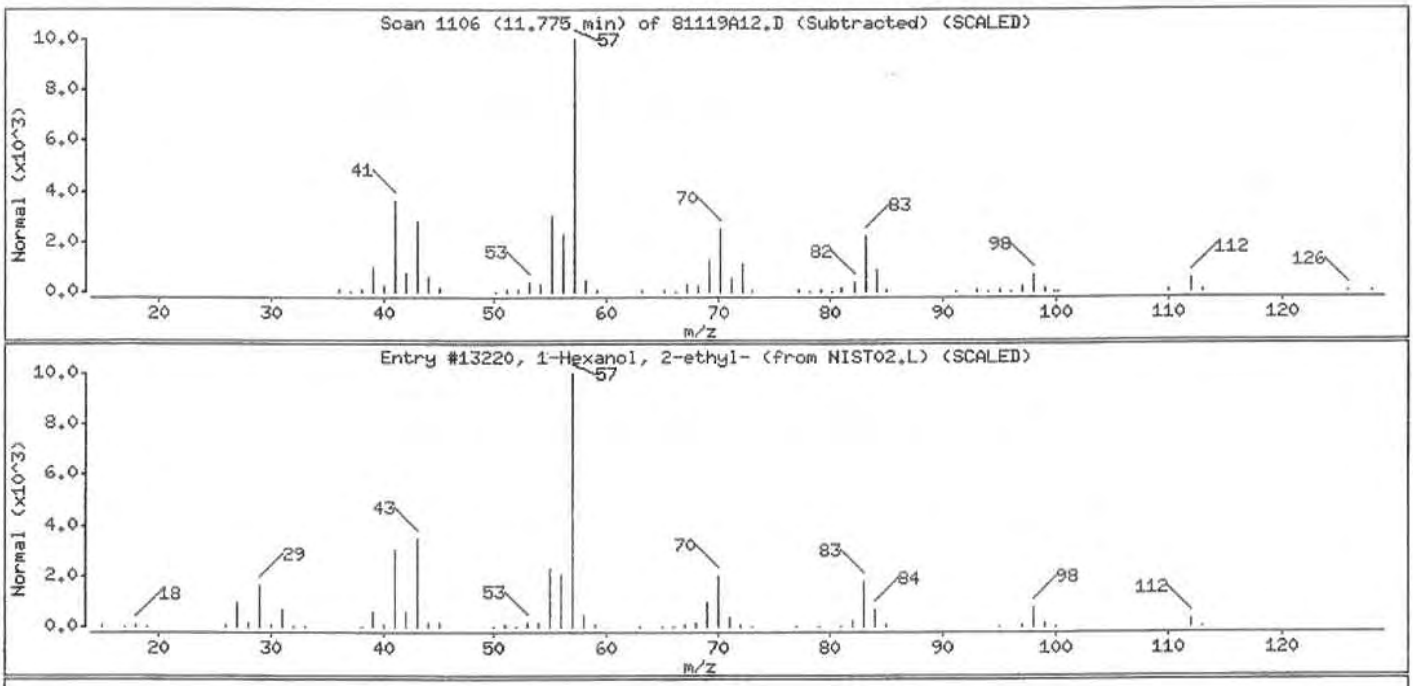
Client ID: Y3QN4 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-002

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13220	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.43	J
74-87-3	Chloromethane	0.56	
75-01-4	Vinyl chloride	0.069	J
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	0.14	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	0.14	J
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	1.8	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.60	B
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.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	21	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	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	0.18	J
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.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.59	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A13.D
Lab Smp Id: IK15003-003 Client Smp ID: Y3QN5
Inj Date : 19-NOV-2007 12:56
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-003
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	1.071	1.061	(0.202)	5772	0.42726	0.4272(a)
2	Chloromethane	50	1.071	1.152	(0.202)	14506	0.55637	0.5563
$ 3	Vinyl Chloride-d3	65	1.223	1.223	(0.230)	63451	7.71390	7.7138(RM)
4	Vinyl Chloride	62	1.223	1.223	(0.230)	1679	0.06950	0.0694(aQ)
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	77193	7.72178	7.7217(R)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	181866	4.96749	4.9674
13	1,1-Dichloroethene	96	1.982	1.992	(0.373)	2715	0.14087	0.1408(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	Compound Not Detected.					
15	Carbon Disulfide	76	2.164	2.164	(0.407)	8475	0.13662	0.1366(a)
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.347	2.347	(0.442)	6505	0.23644	0.2364(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	3.633	(0.686)	480428	53.8773	53.8772
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	42140	1.84247	1.8424
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.058	4.058	(0.764)	215062	5.64853	5.6485
31	Chloroform	83	4.088	4.088	(0.769)	21119	0.59631	0.5963
33	1,1,1-Trichloroethane	97	Compound Not Detected.					

RE 12/3/07

	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)	108994	5.56988	5.5698
$	36 Benzene-d6	84	4.726	4.716	(0.511)	485616	5.72029	5.7202
	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)	424767	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	439621	20.9432	20.9432(A)
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	145726	5.19922	5.1992
	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)	16185	151.943	151.9432(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)	226889	4.93938	4.9393
	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)	401076	5.44374	5.4437
	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	8.098	8.098	(0.875)	2709	0.17566	0.1756(a)
$	58 2-Hexanone-d5	63	8.281	8.281	(0.895)	470723	55.1431	55.1430
	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)	385491	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)	122939	5.16453	5.1645
	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)	210242	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	168823	5.64853	5.6485
	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.

QC Flag Legend

M - Compound response manually integrated.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A13.D
Lab Smp Id: IK15003-003 Client Smp ID: Y3QN5
Inj Date : 19-NOV-2007 12:56
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-003
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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

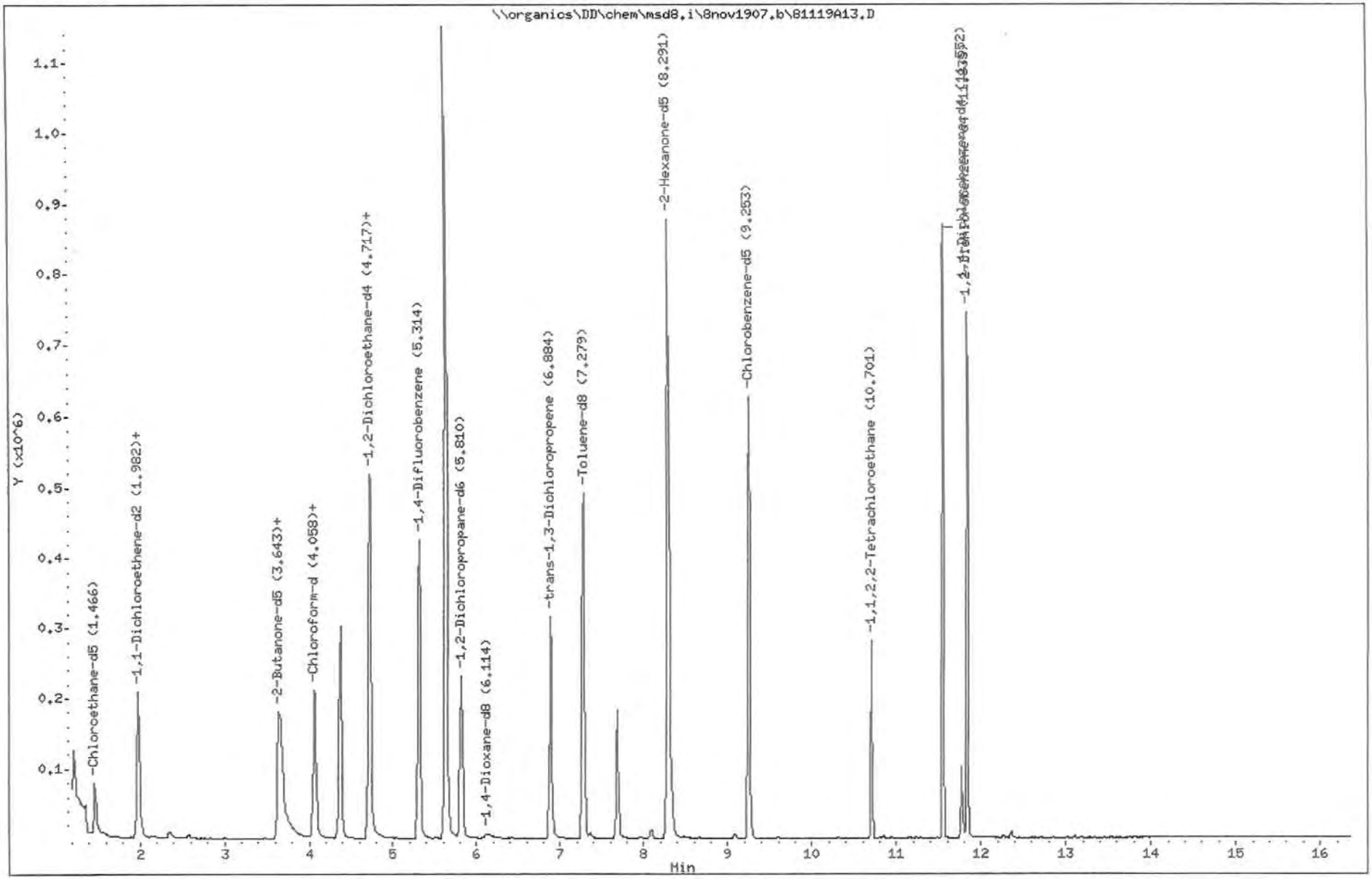
ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1176037	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.775	139120	0.59147840	0.5914	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A13.D
Date : 19-NOV-2007 12:56
Client ID: Y3QN5
Sample Info: 8nov1907.b, IK15003-003
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

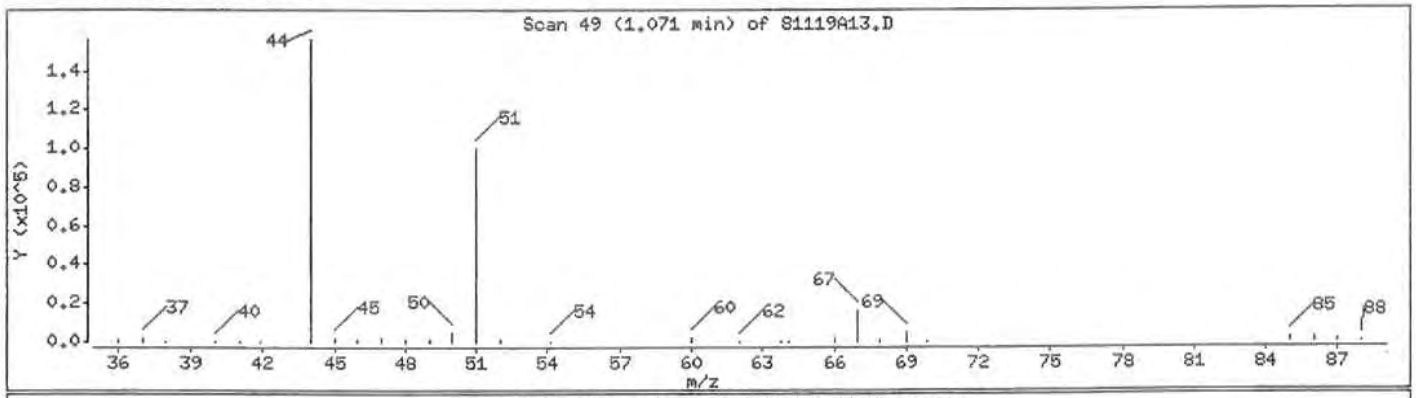
Operator: DLB

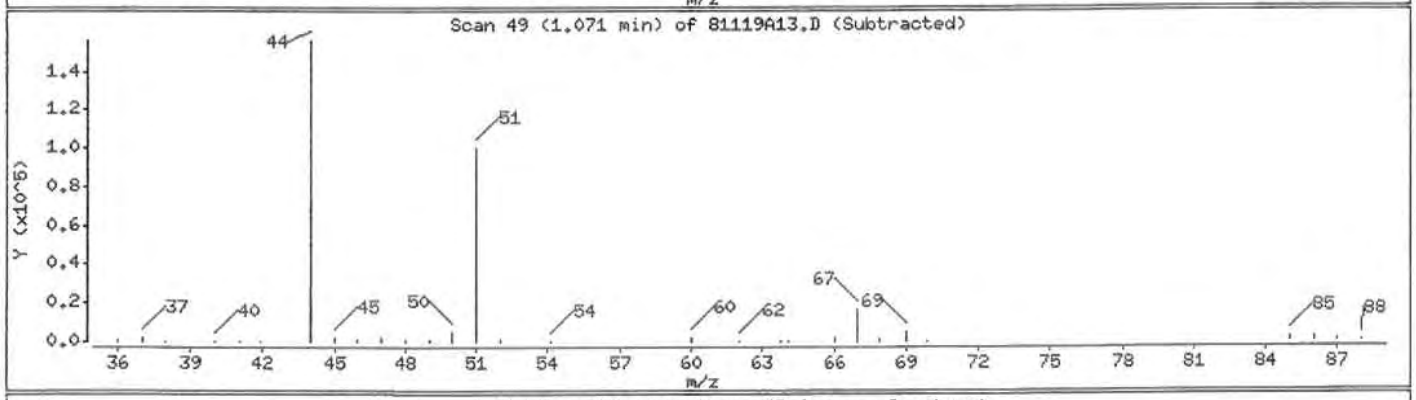
Column phase: DB-624

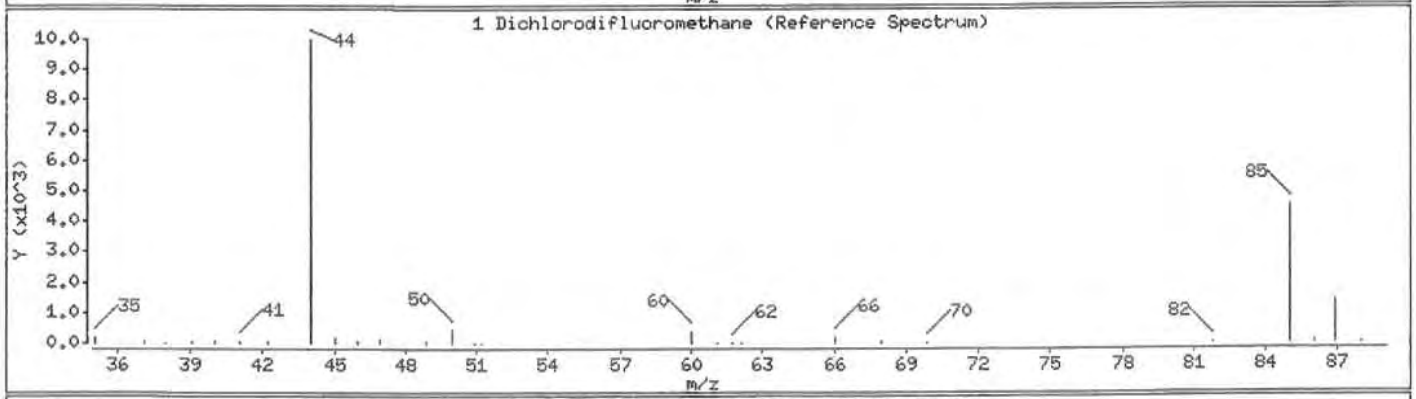
Column diameter: 0.18

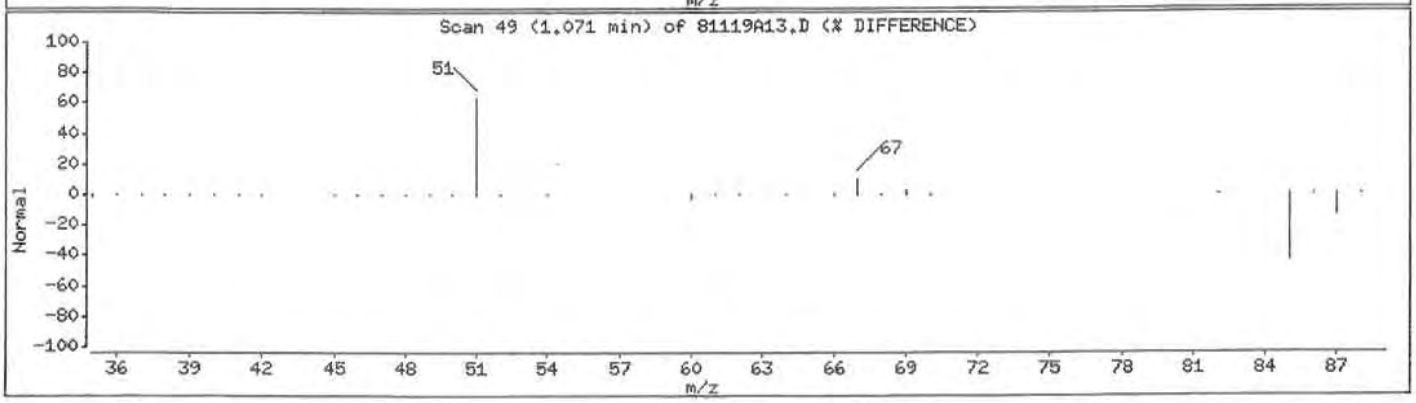
1 Dichlorodifluoromethane

Concentration: 0.4272 ug/L









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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

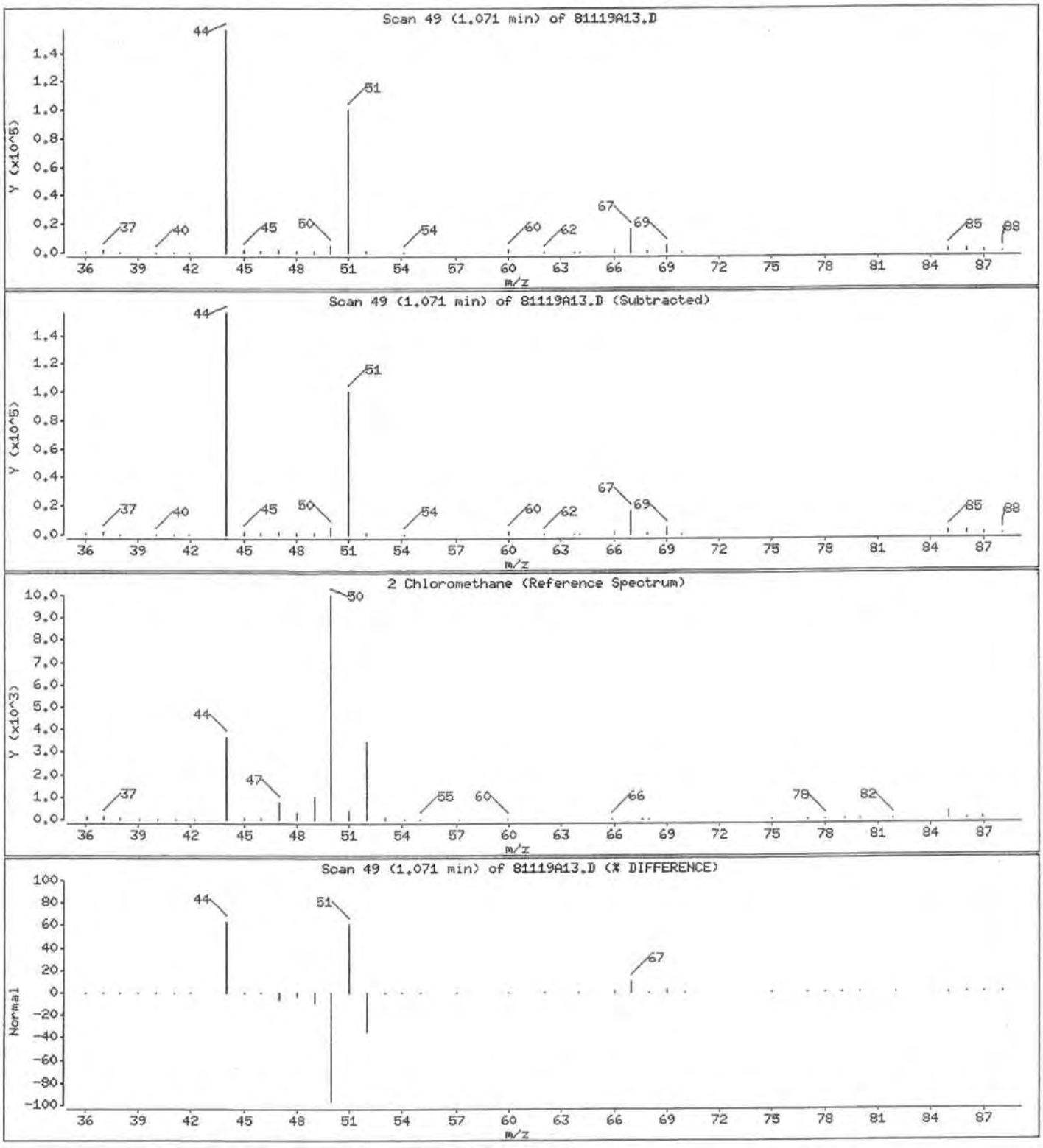
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

2 Chloromethane

Concentration: 0.5563 ug/L



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Date : 19-NOV-2007 12:56

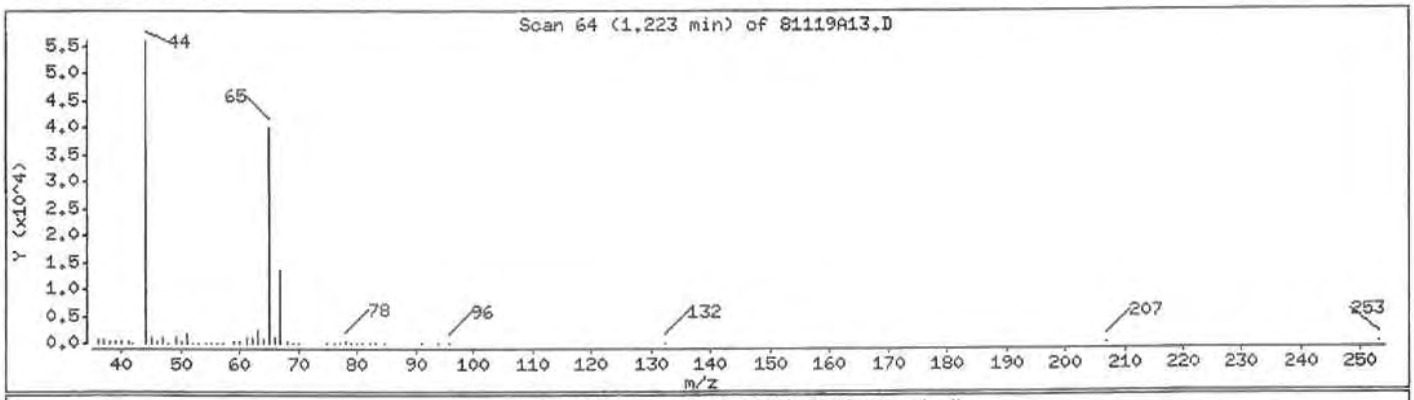
Client ID: Y3QN5 Instrument: msd8.i

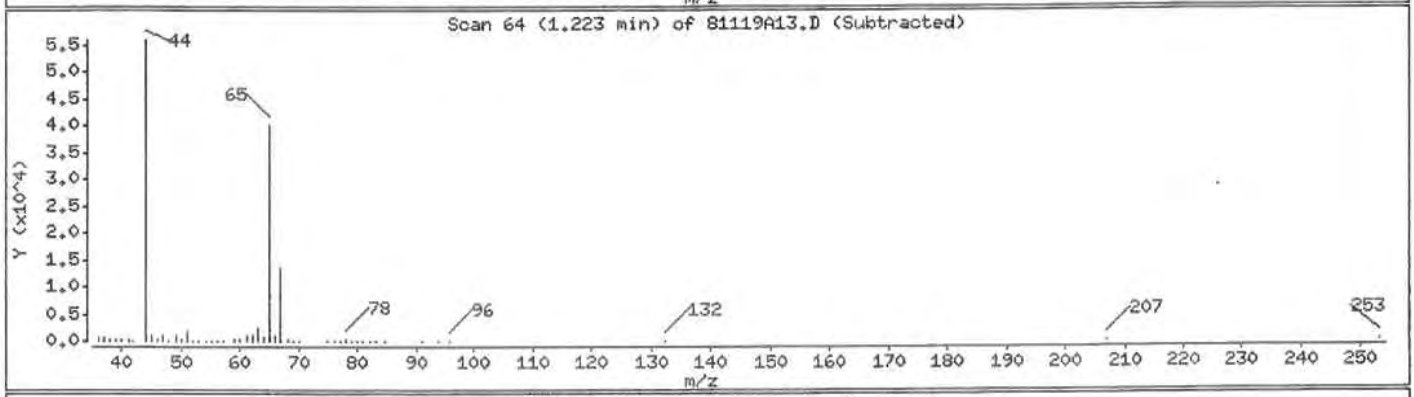
Sample Info: 8nov1907.b, IK15003-003

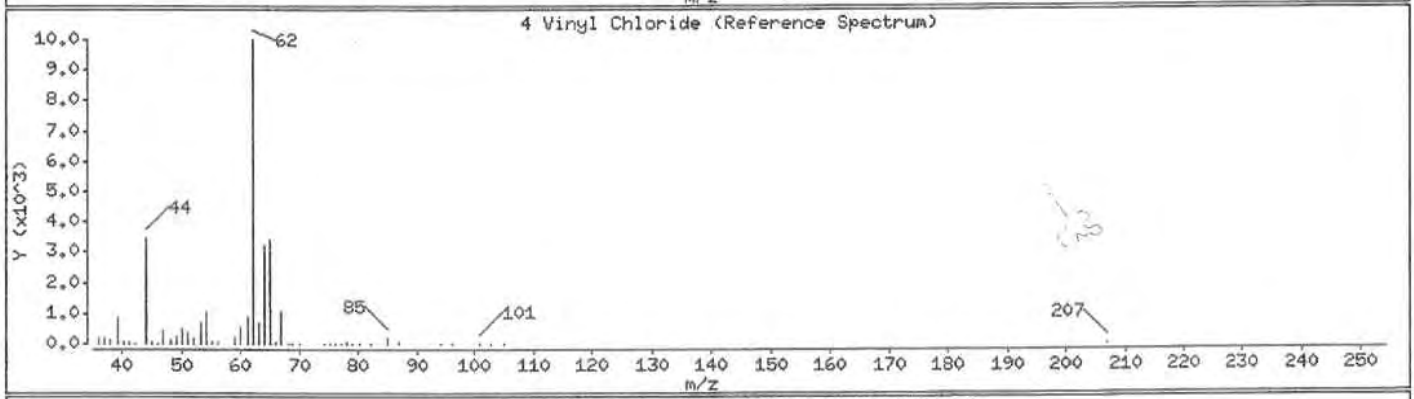
Purge Volume: 25.0 Operator: DLB

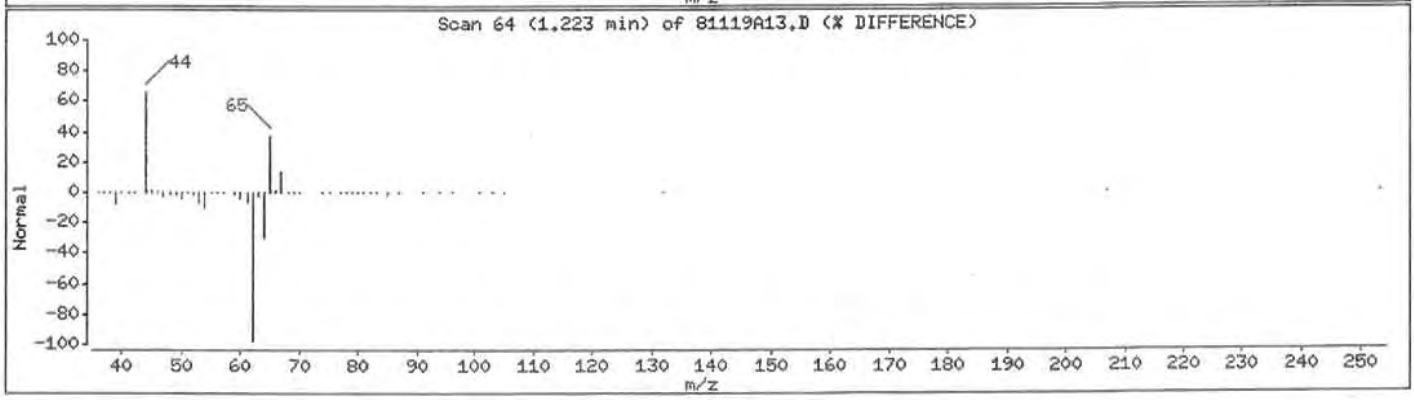
Column phase: DB-624 Column diameter: 0.18

4 Vinyl Chloride Concentration: 0.0694 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A13.D

Date : 19-NOV-2007 12:56

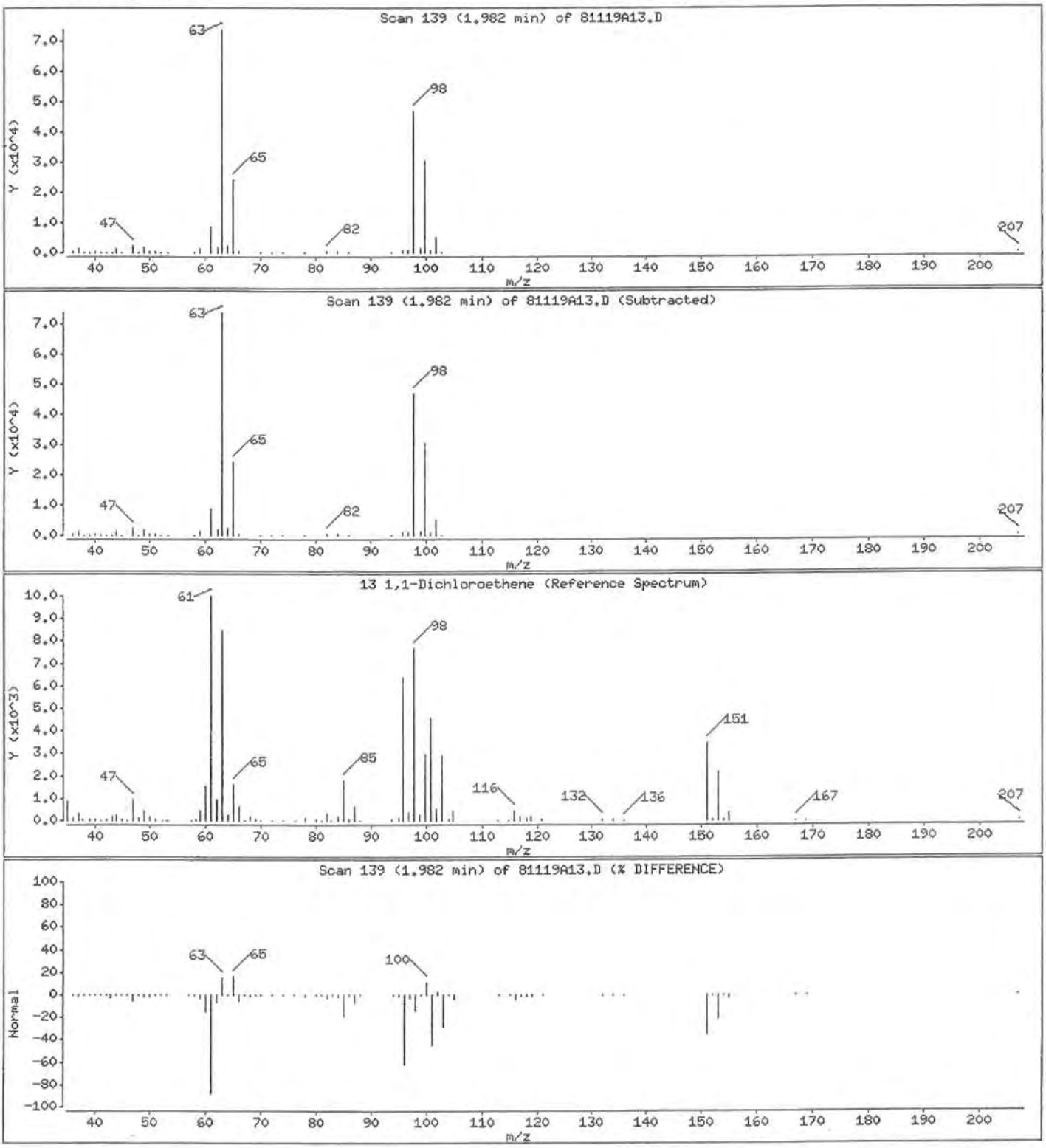
Client ID: Y3QN5 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.1408 ug/L



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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

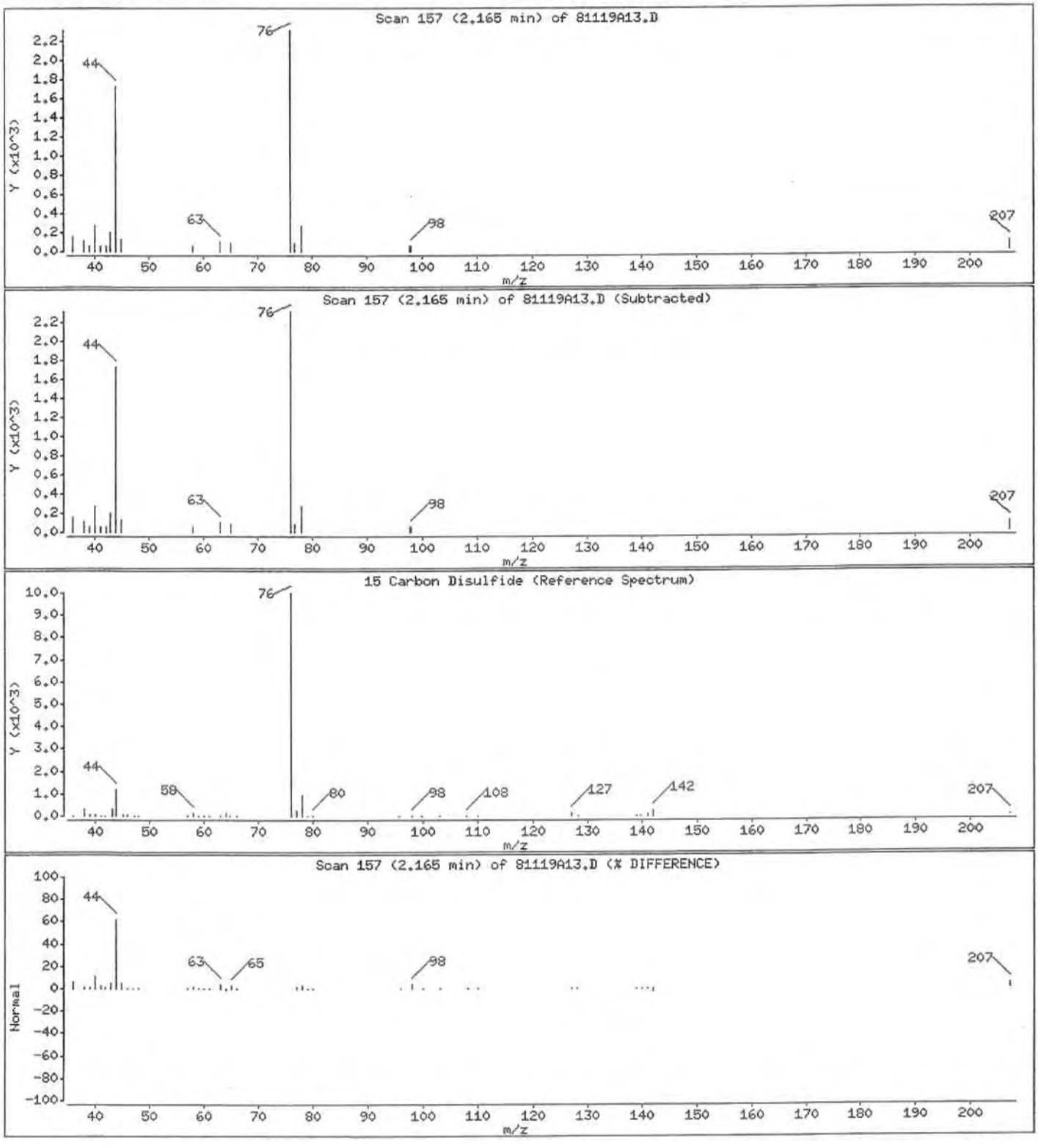
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

15 Carbon Disulfide

Concentration: 0.1366 ug/L



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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

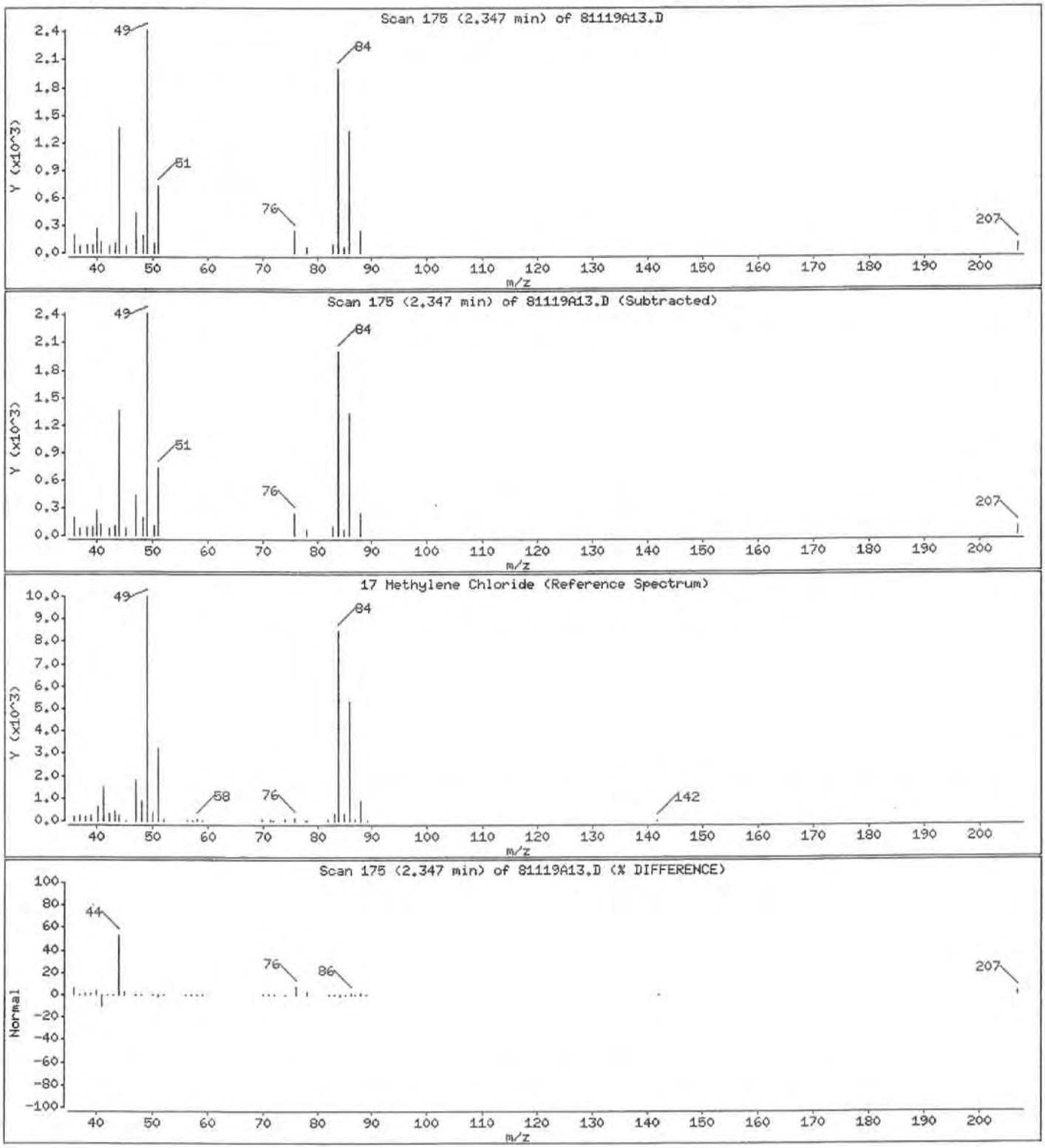
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2364 ug/L



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Date : 19-NOV-2007 12:56

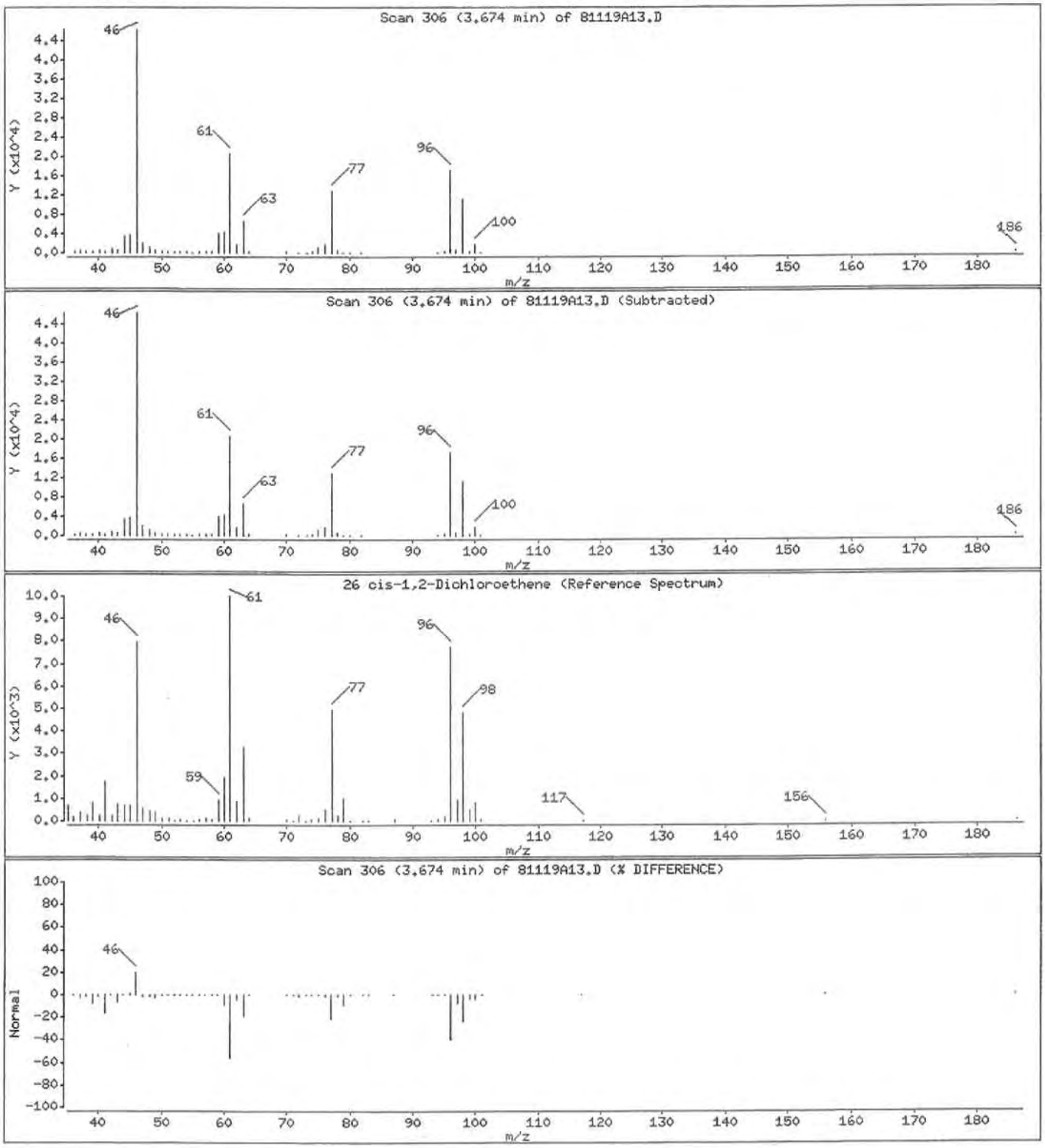
Client ID: Y3QN5 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

26 cis-1,2-Dichloroethene Concentration: 1.8424 ug/L



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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

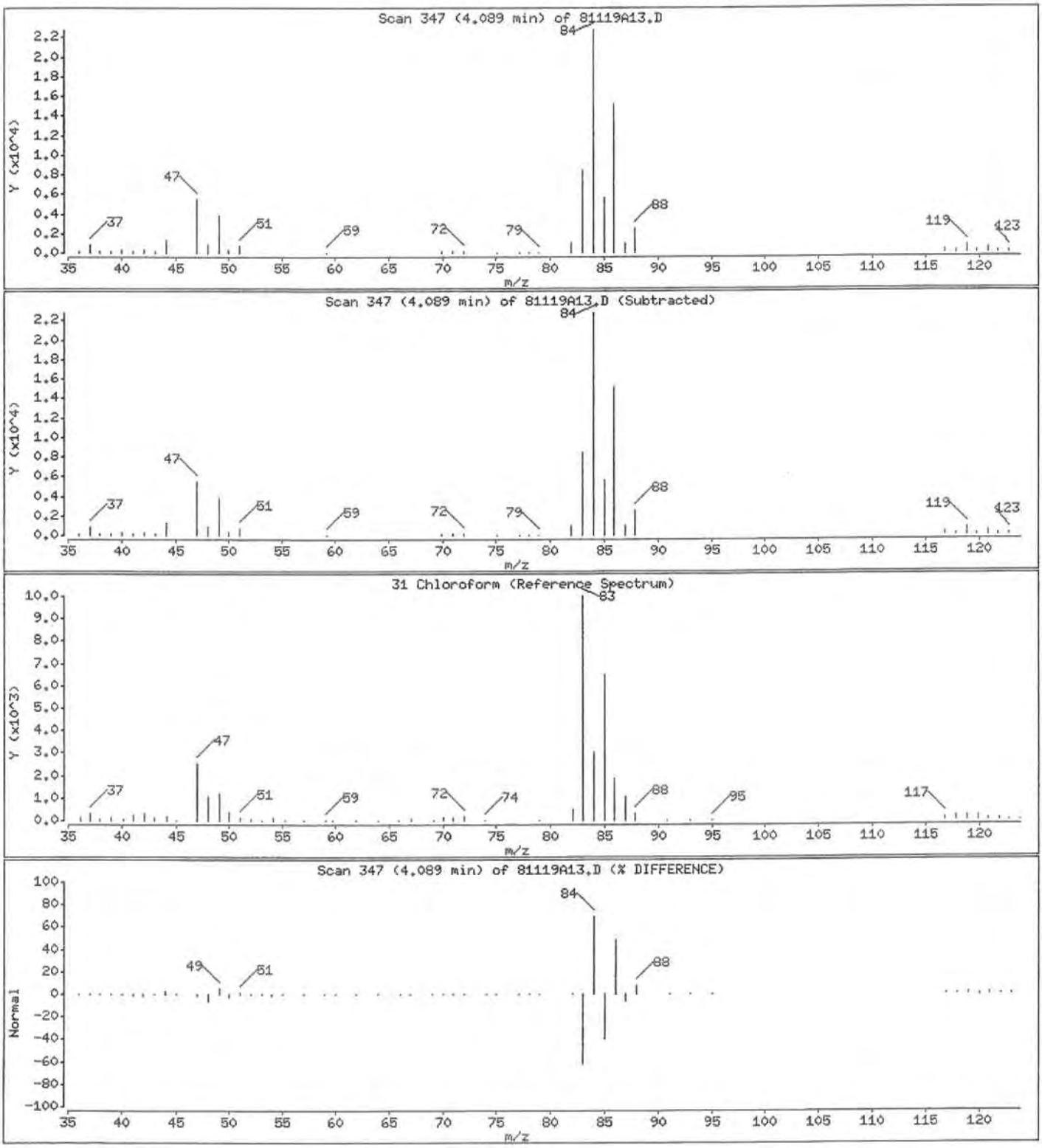
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.5963 ug/L



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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

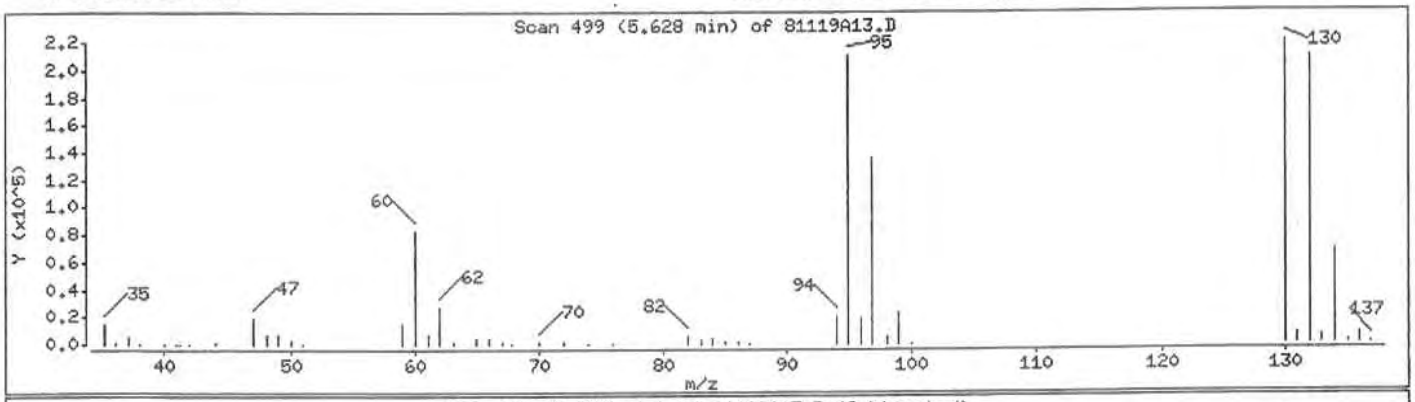
Operator: DLB

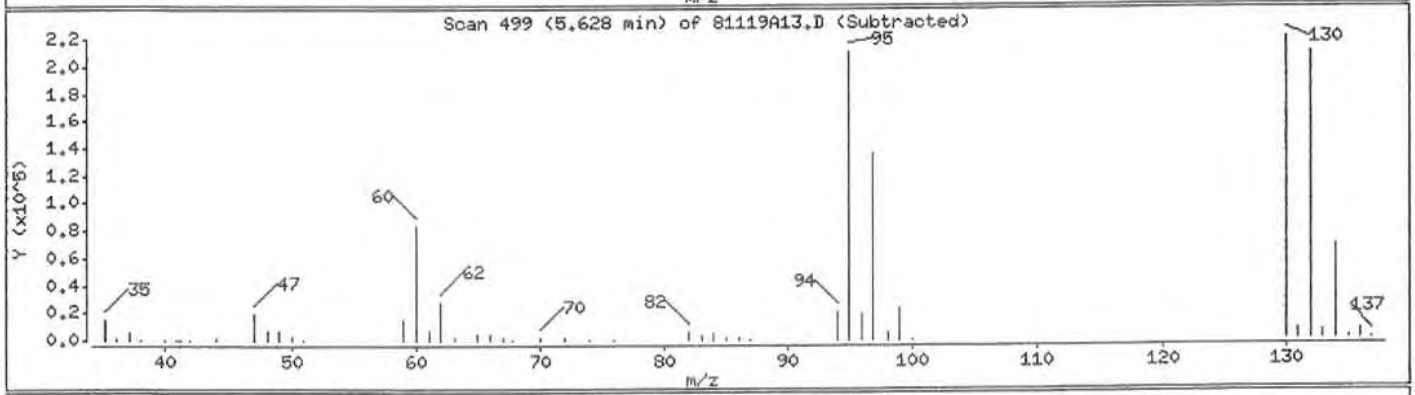
Column phase: DB-624

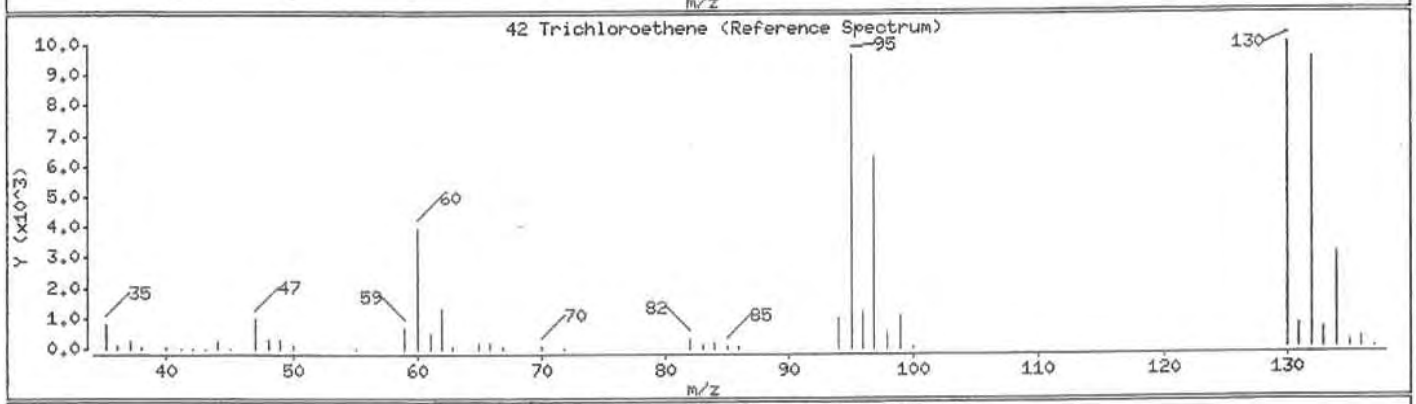
Column diameter: 0.18

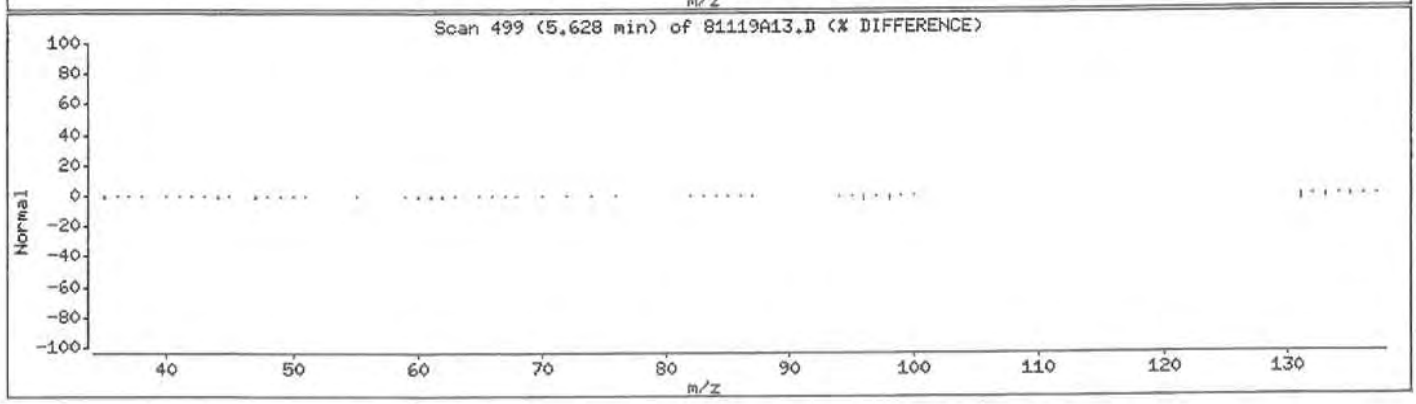
42 Trichloroethene

Concentration: 20.9432 ug/L









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Date : 19-NOV-2007 12:56

Client ID: Y3QN5

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

Purge Volume: 25.0

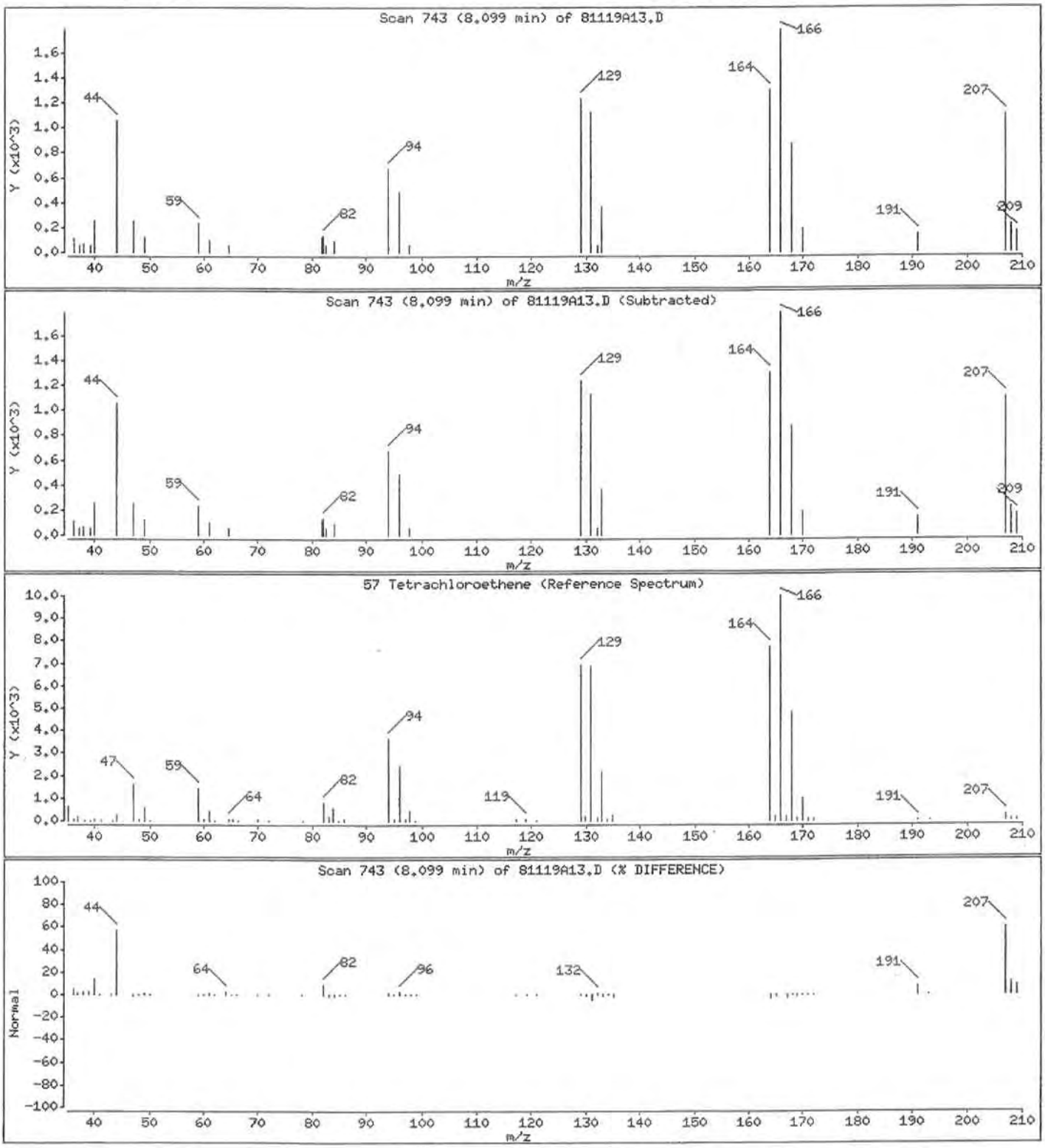
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.1756 ug/L



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Date : 19-NOV-2007 12:56

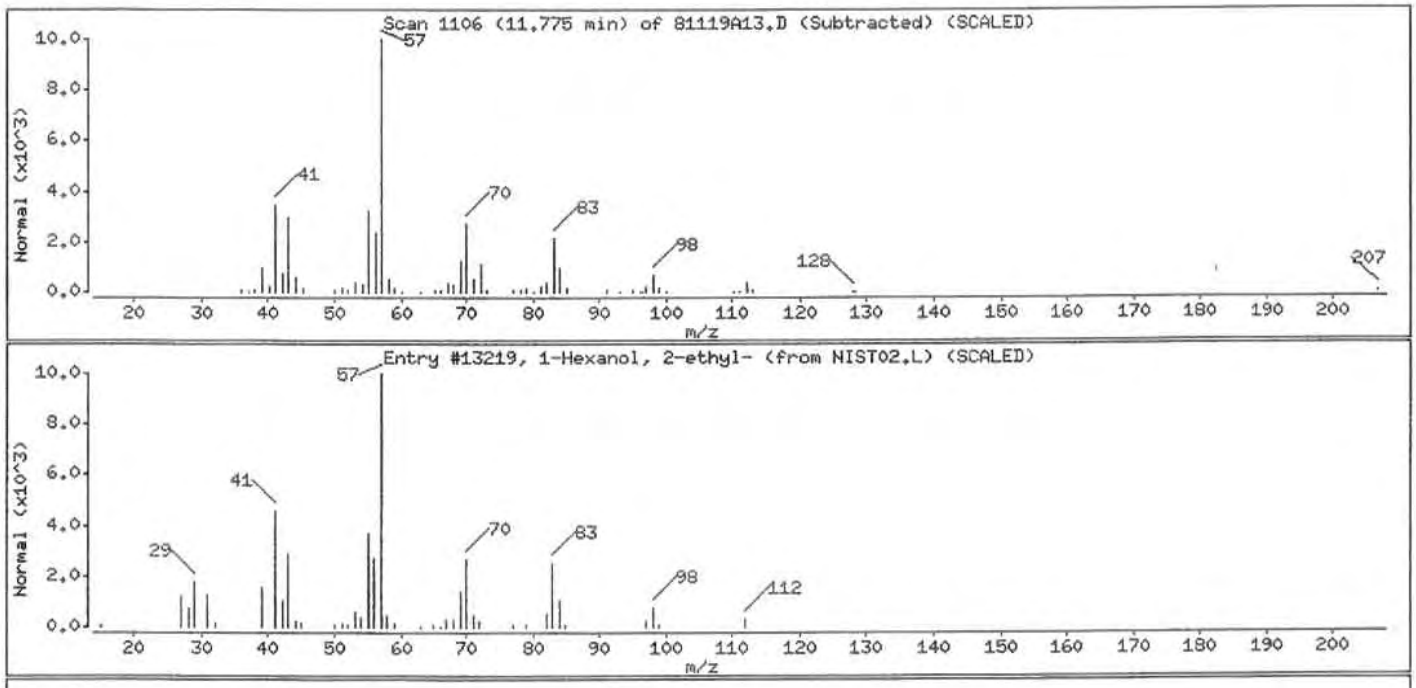
Client ID: Y3QN5 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-003

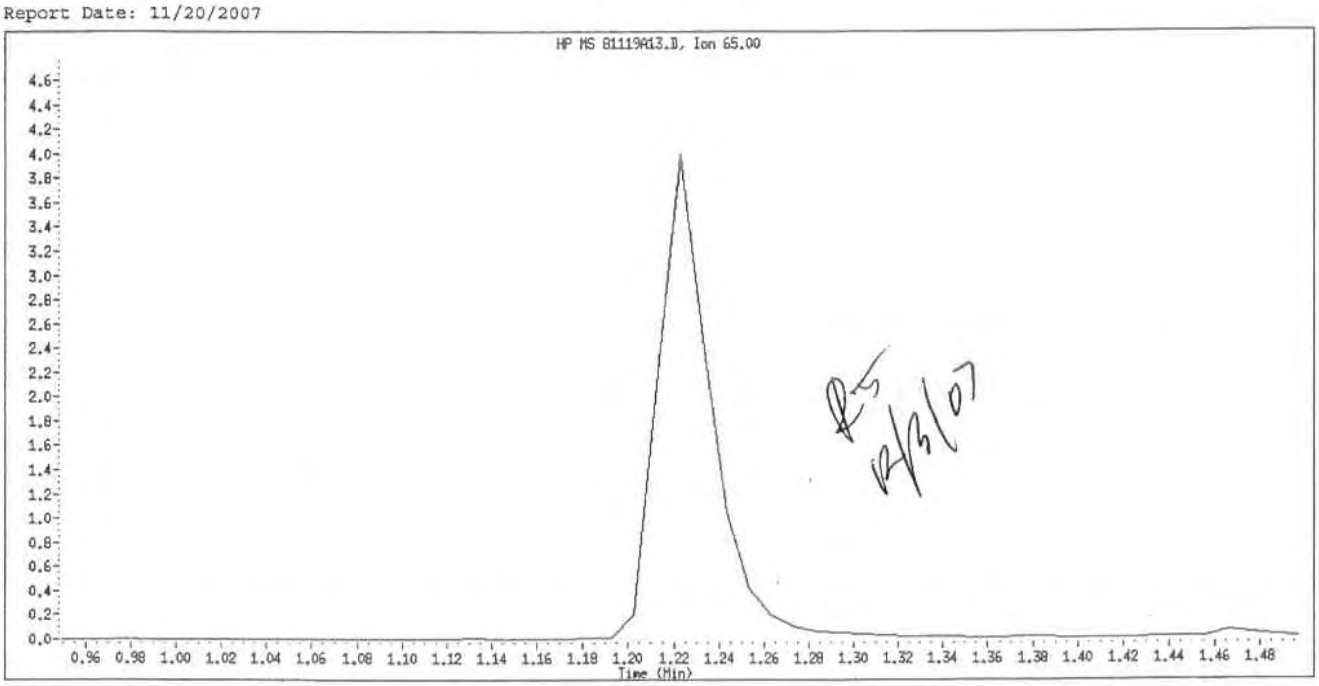
Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

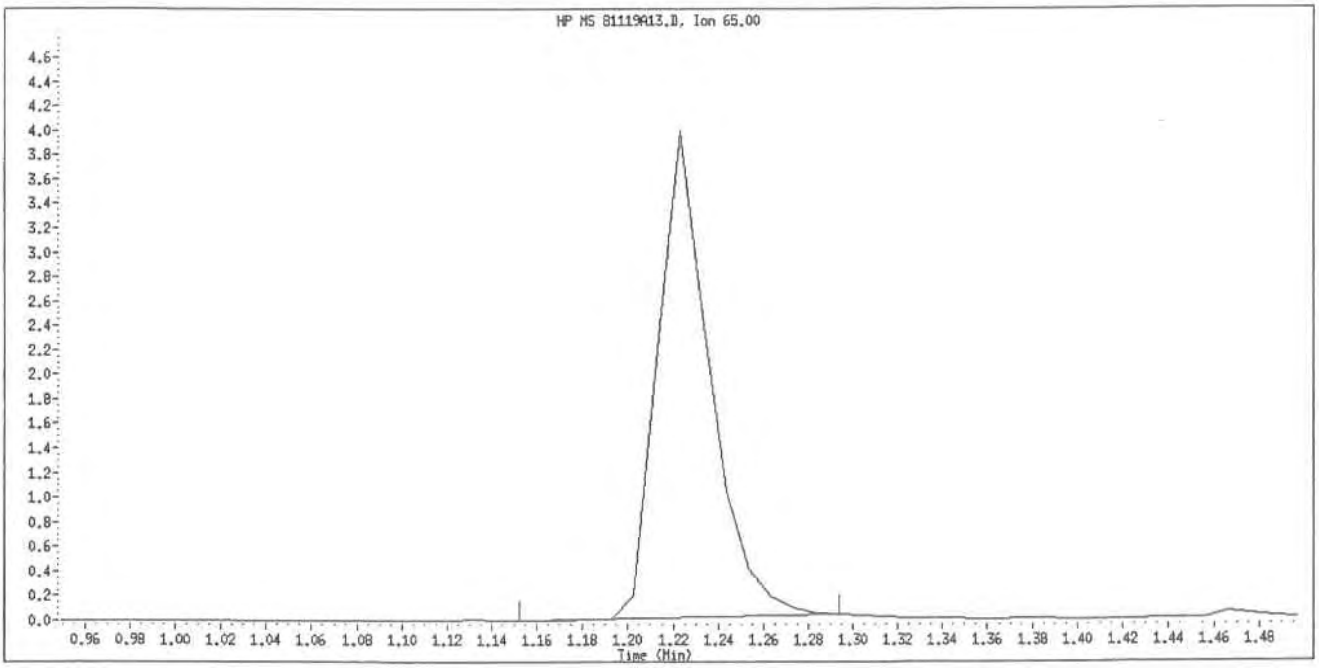
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



Data File Name: 81119A13.D
Inj. Date and Time: 19-NOV-2007 12:56
Instrument ID: msd8.i
Client ID: VBMS
Compound Name: Vinyl Chloride-d3
CAS #: 6745-35-3
Report Date: 11/20/2007



Original Integration



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	0.27	J D
74-87-3	Chloromethane	0.16	J DB
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	0.59	J DB
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	0.56	J DB
71-55-6	1,1,1-Trichloroethane	1.0	U
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	0.11	J D
107-06-2	1,2-Dichloroethane	1.0	U

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

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	14	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.11	J D
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.12	J D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	10	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.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D
Lab Smp Id: IK15003-003 Client Smp ID: Y3QN5DL
Inj Date : 20-NOV-2007 15:11
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-003, 2X
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 17
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS

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

Name	Value	Description
DF	2.000	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	1.071	1.061	(0.202)	1805	0.13481	0.2696(a)
2	Chloromethane	50	1.152	1.152	(0.217)	2109	0.08161	0.1632(a)
$ 3	Vinyl Chloride-d3	65	1.223	1.223	(0.230)	63783	7.82353	7.8235(RM)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	77311	7.80267	7.8026(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)	187513	5.16749	5.1674
13	1,1-Dichloroethene	96	Compound Not Detected.					
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)	8071	0.29598	0.5919(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	3.633	(0.686)	493468	55.8340	55.8340
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	15095	0.66589	1.3317
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.068	4.058	(0.766)	217533	5.76447	5.7644

BT 12/3/07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	31 Chloroform	83	4.088	4.088	(0.769)	9771	0.27835	0.5567(aQ)
	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)	110478	5.69616	5.6961
$	36 Benzene-d6	84	4.726	4.716	(0.511)	493086	5.86984	5.8698
	37 Benzene	78	4.726	4.767	(0.511)	4516	0.05356	0.1071(a)
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	421006	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	148428	7.14595	14.2919
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	147676	5.32464	5.3246
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.134	6.144	(1.154)	26583	251.788	251.7880(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)	232013	5.10446	5.1044
	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)	415243	5.69576	5.6957
	53 Toluene	91	7.359	7.359	(0.795)	4588	0.05444	0.1088(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)	939	0.06153	0.1230(a)
$	58 2-Hexanone-d5	63	8.291	8.281	(0.896)	474864	56.2178	56.2177
	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)	381448	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)	124040	5.26601	5.2660
	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)	209511	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	170741	5.73264	5.7326
	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.

QC Flag Legend

M - Compound response manually integrated.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D
Lab Smp Id: IK15003-003 Client Smp ID: Y3QN5DL
Inj Date : 20-NOV-2007 15:11
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-003, 2X
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 17
Dil Factor: 2.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D

Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

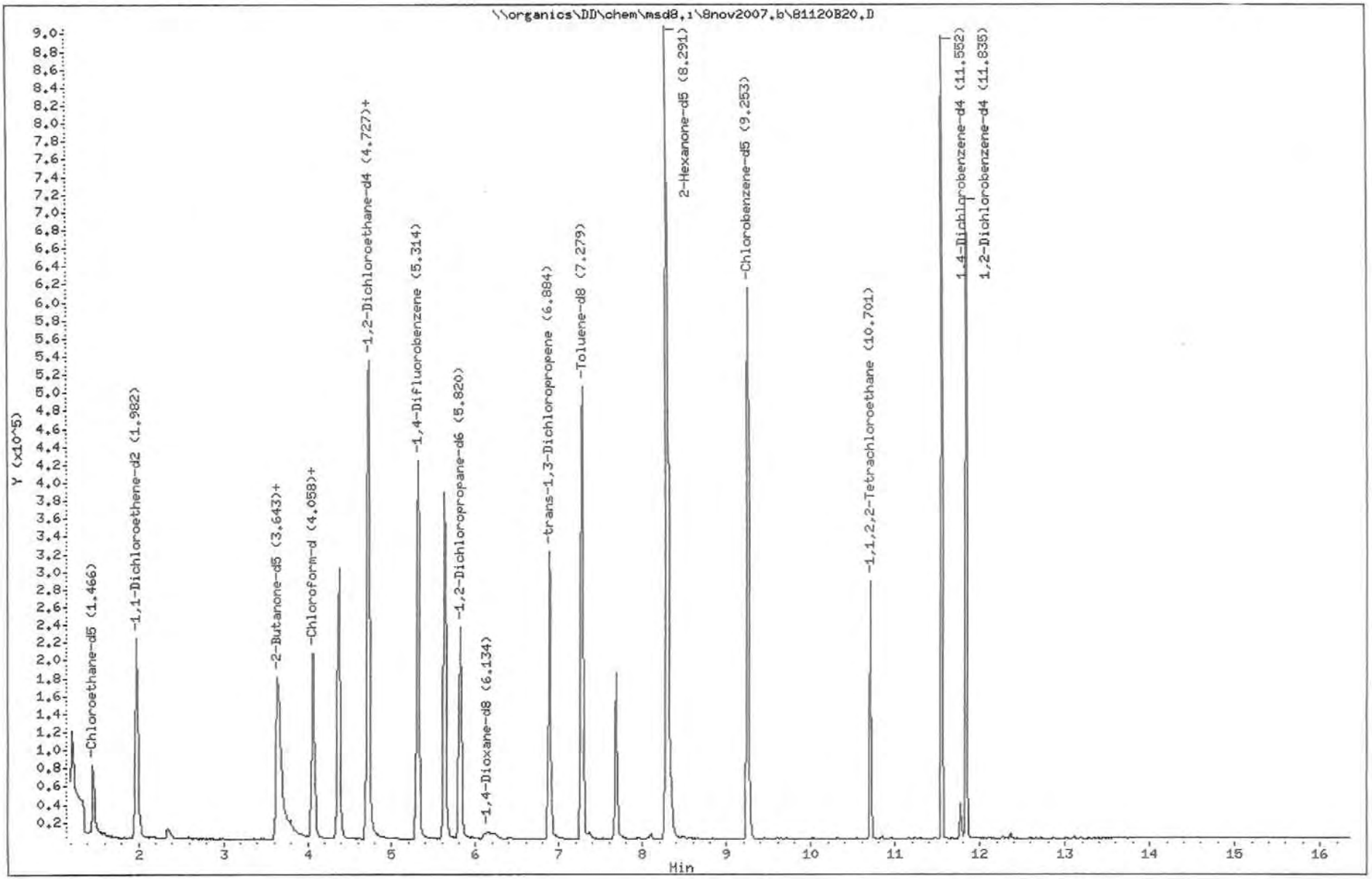
Sample Info: 8nov2007.b, IK15003-003, 2X

Operator: DLB

Purge Volume: 25.0

Column phase: DB-624

Column diameter: 0.18



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D

Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

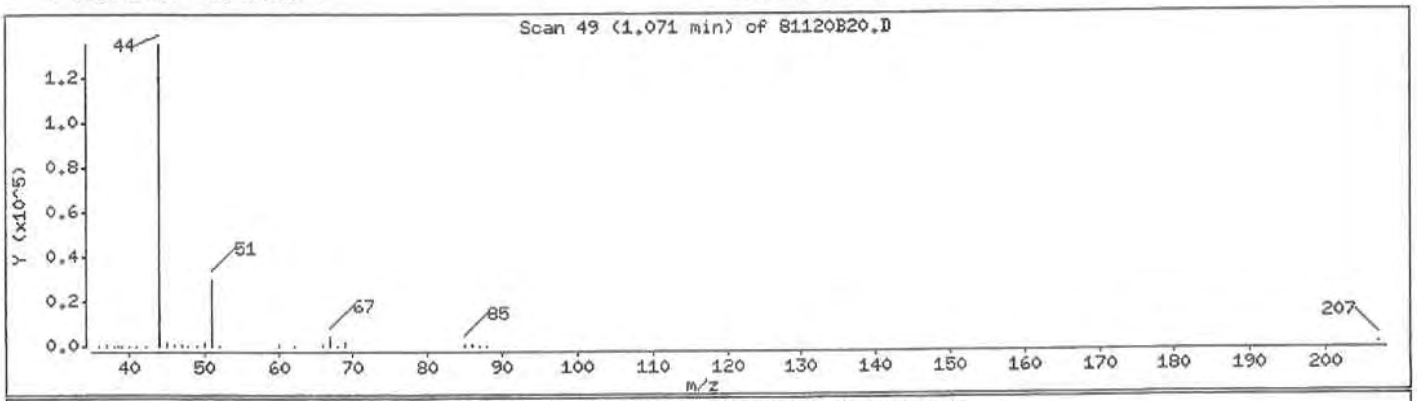
Operator: DLB

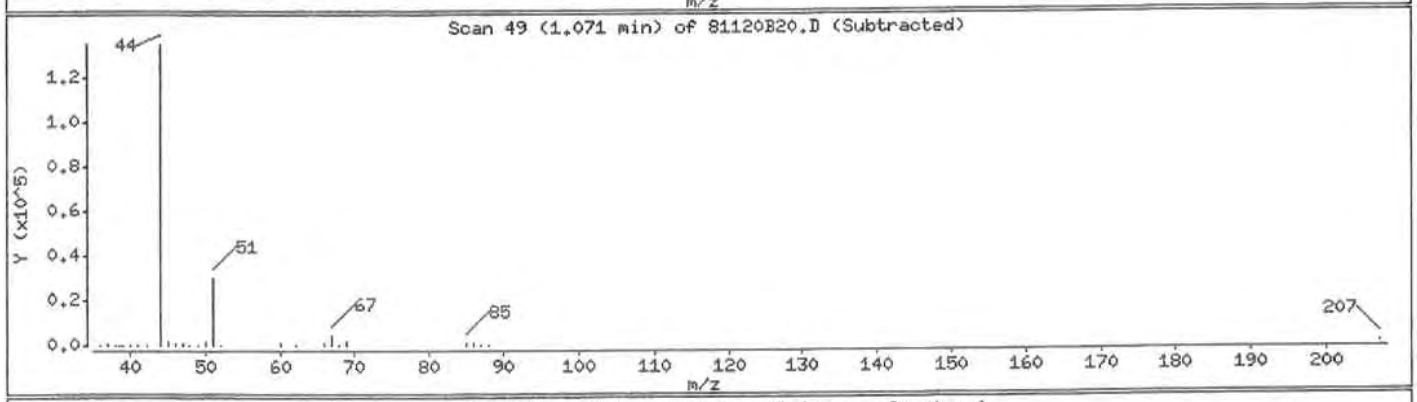
Column phase: DB-624

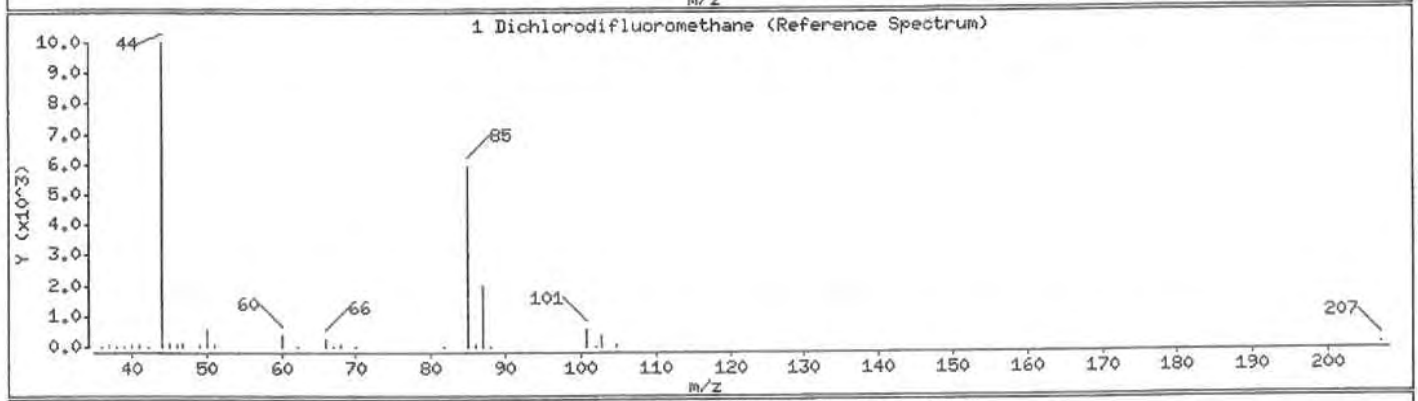
Column diameter: 0.18

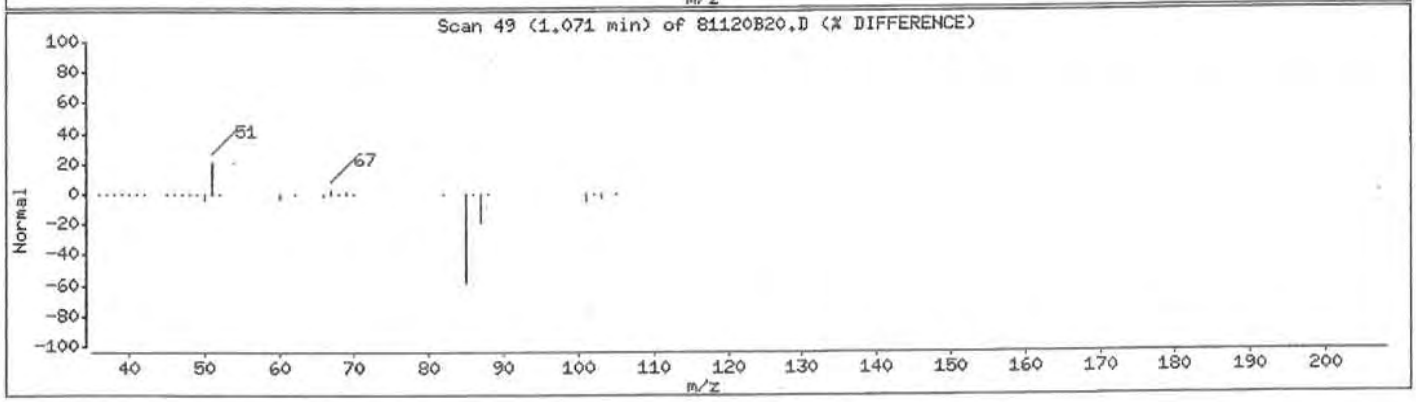
1 Dichlorodifluoromethane

Concentration: 0.2696 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D

Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

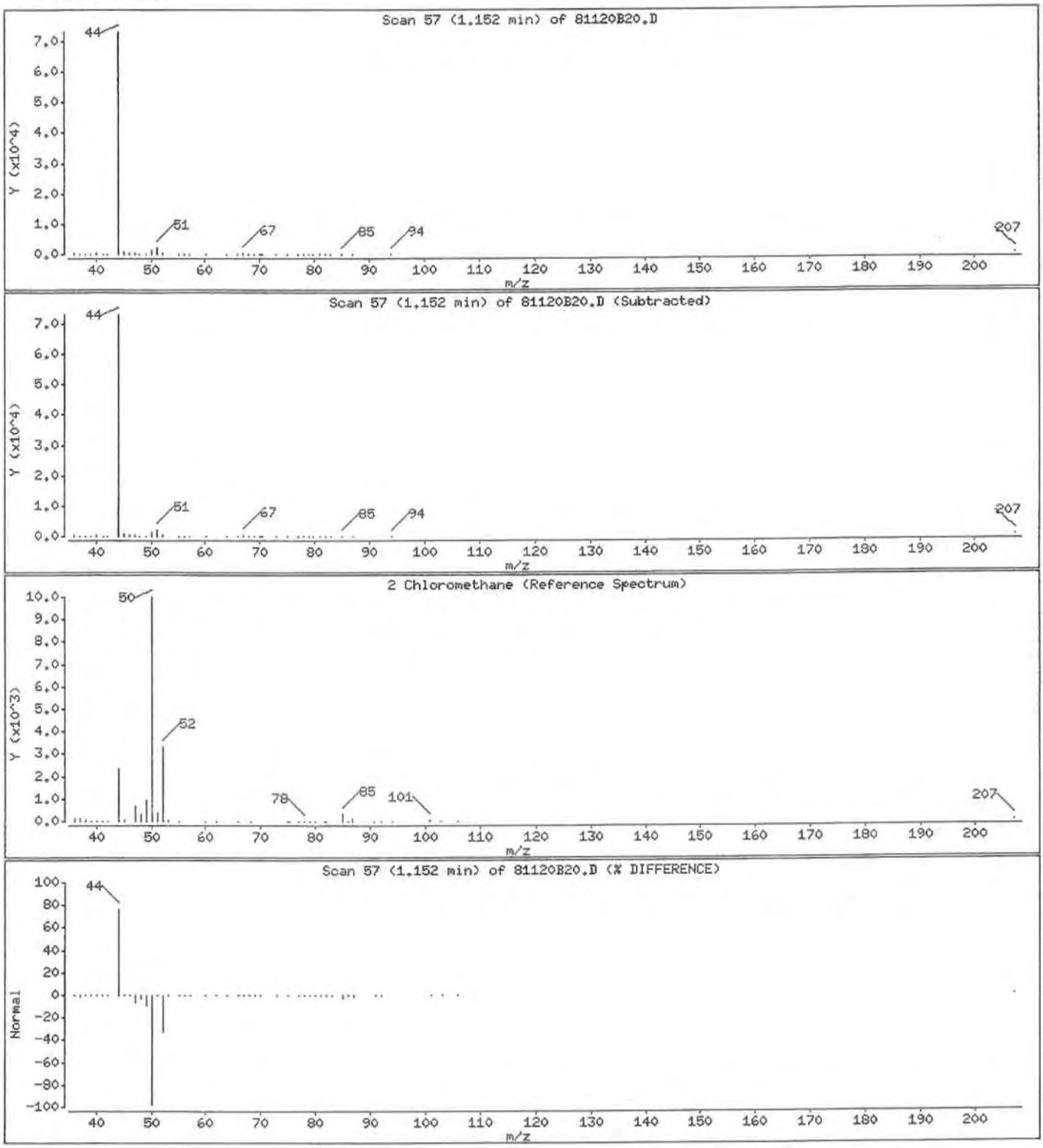
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

2 Chloromethane

Concentration: 0.1632 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

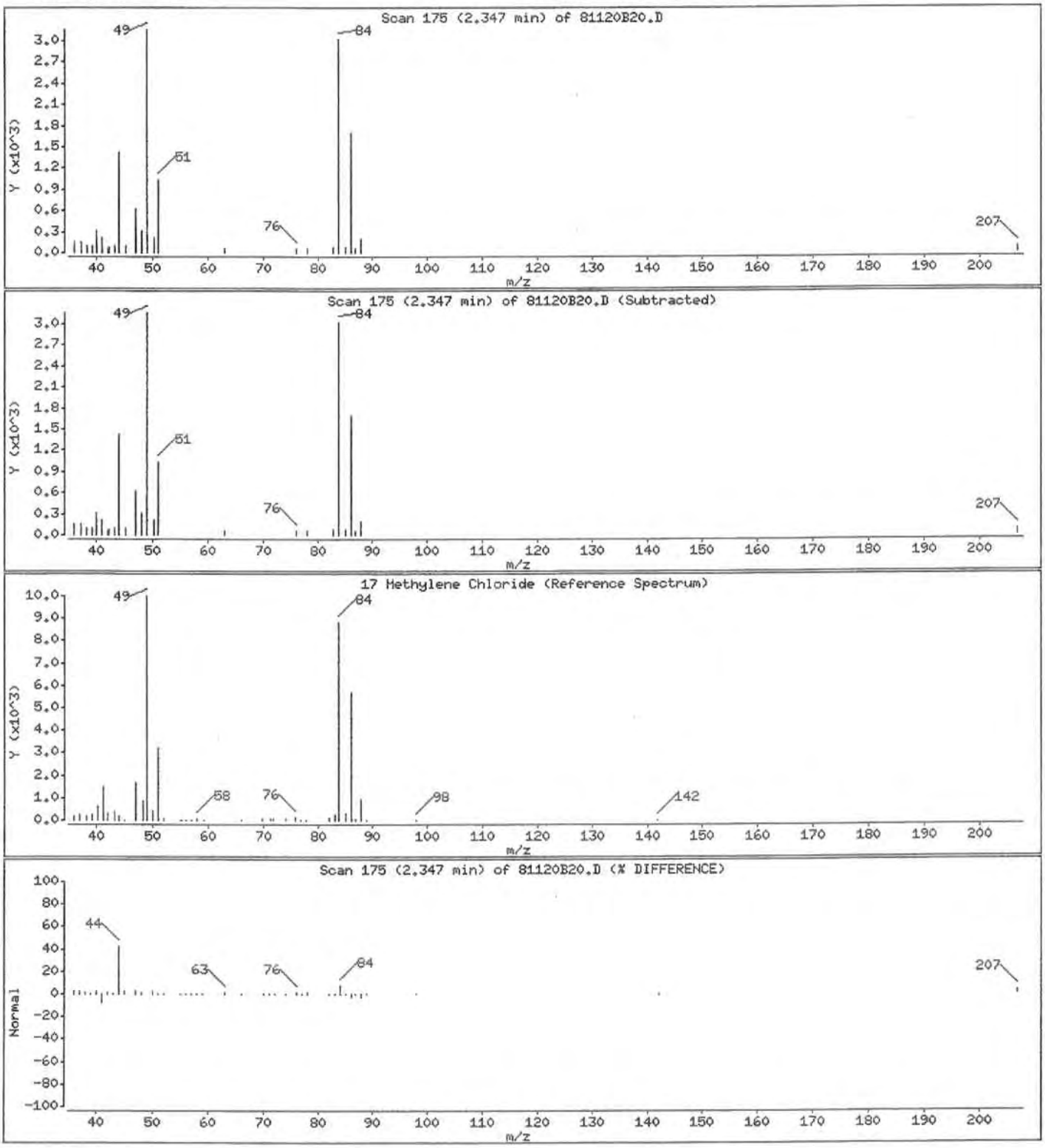
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.5919 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

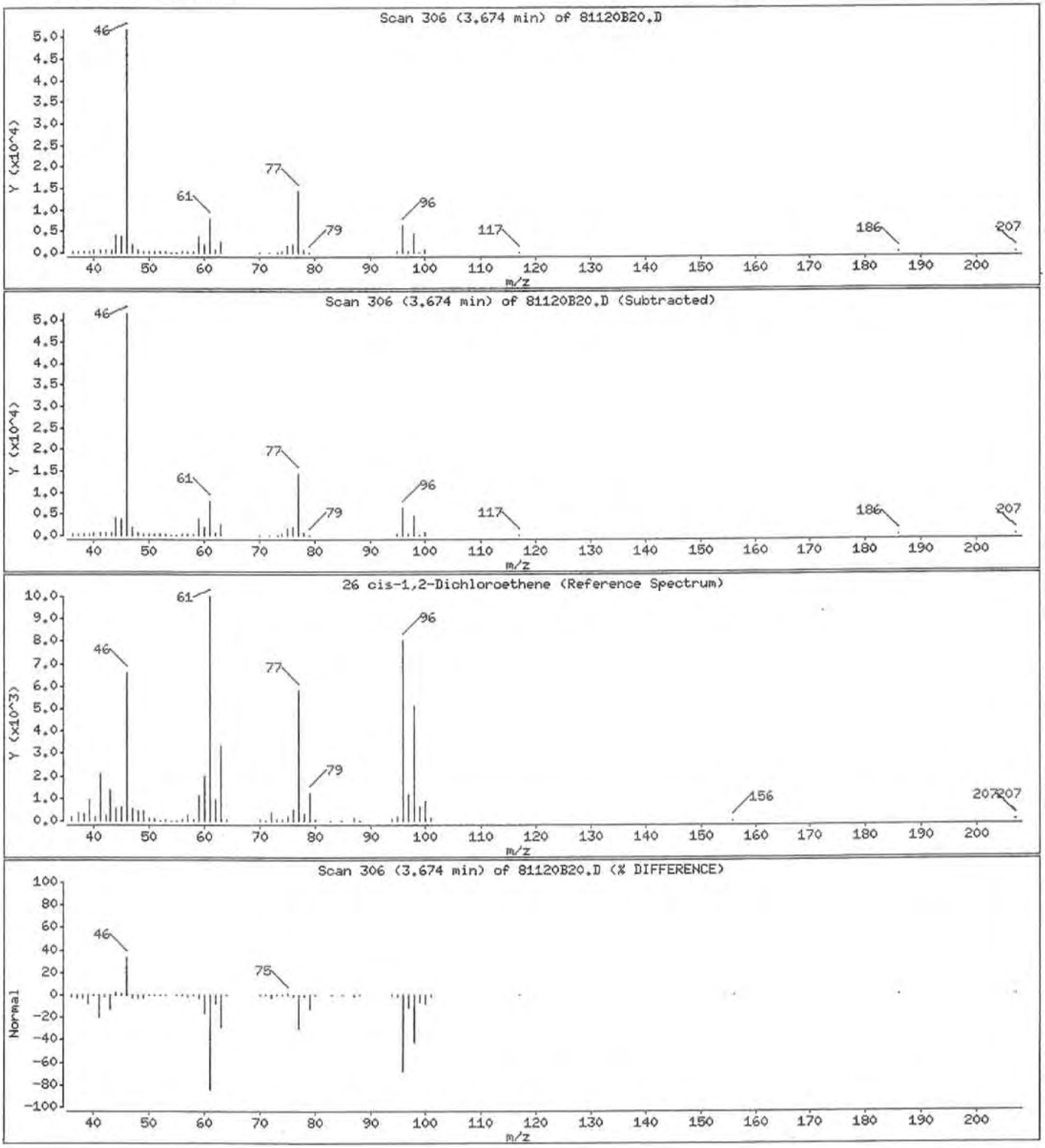
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 1.3317 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

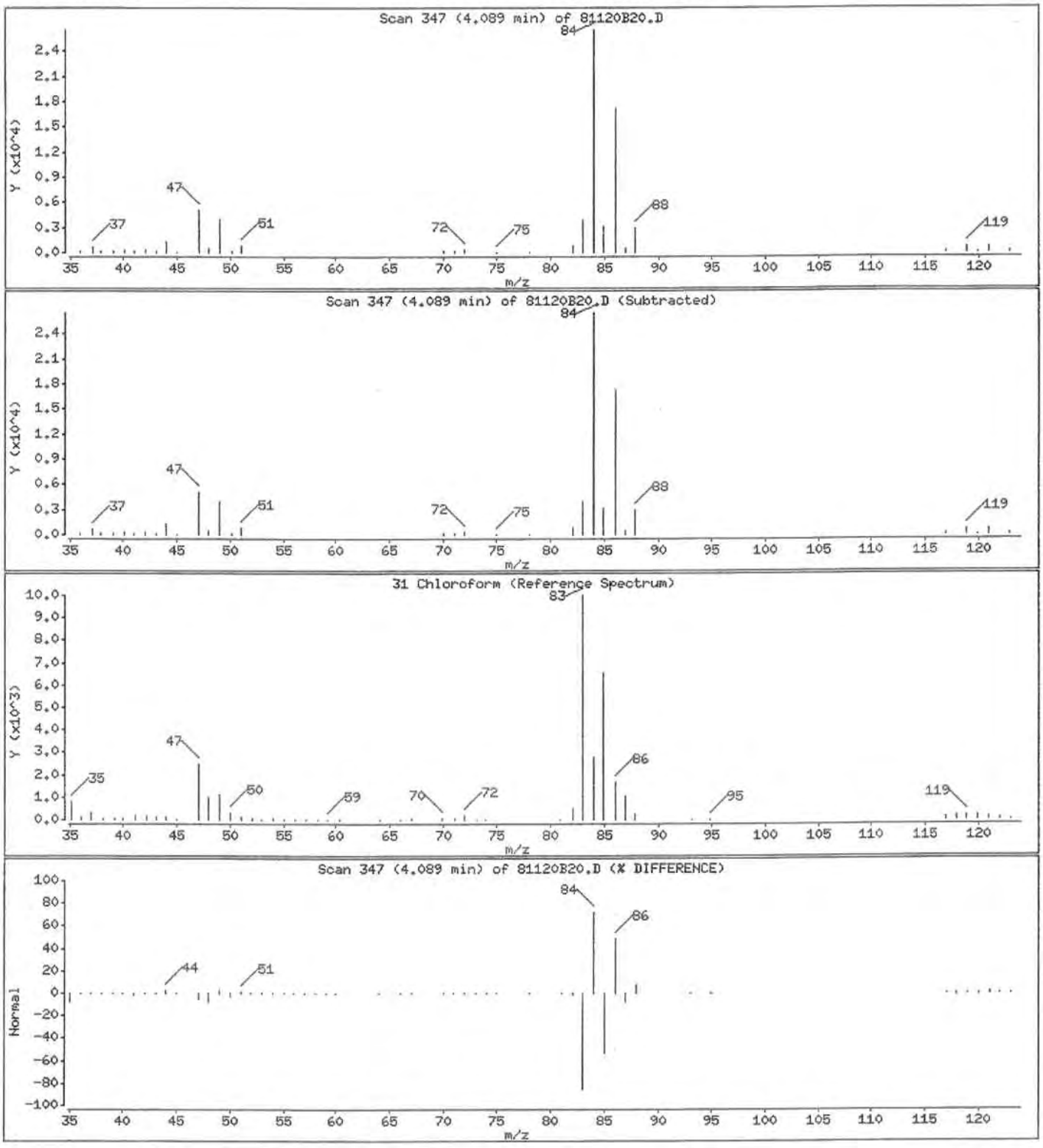
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.5567 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B20.D

Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

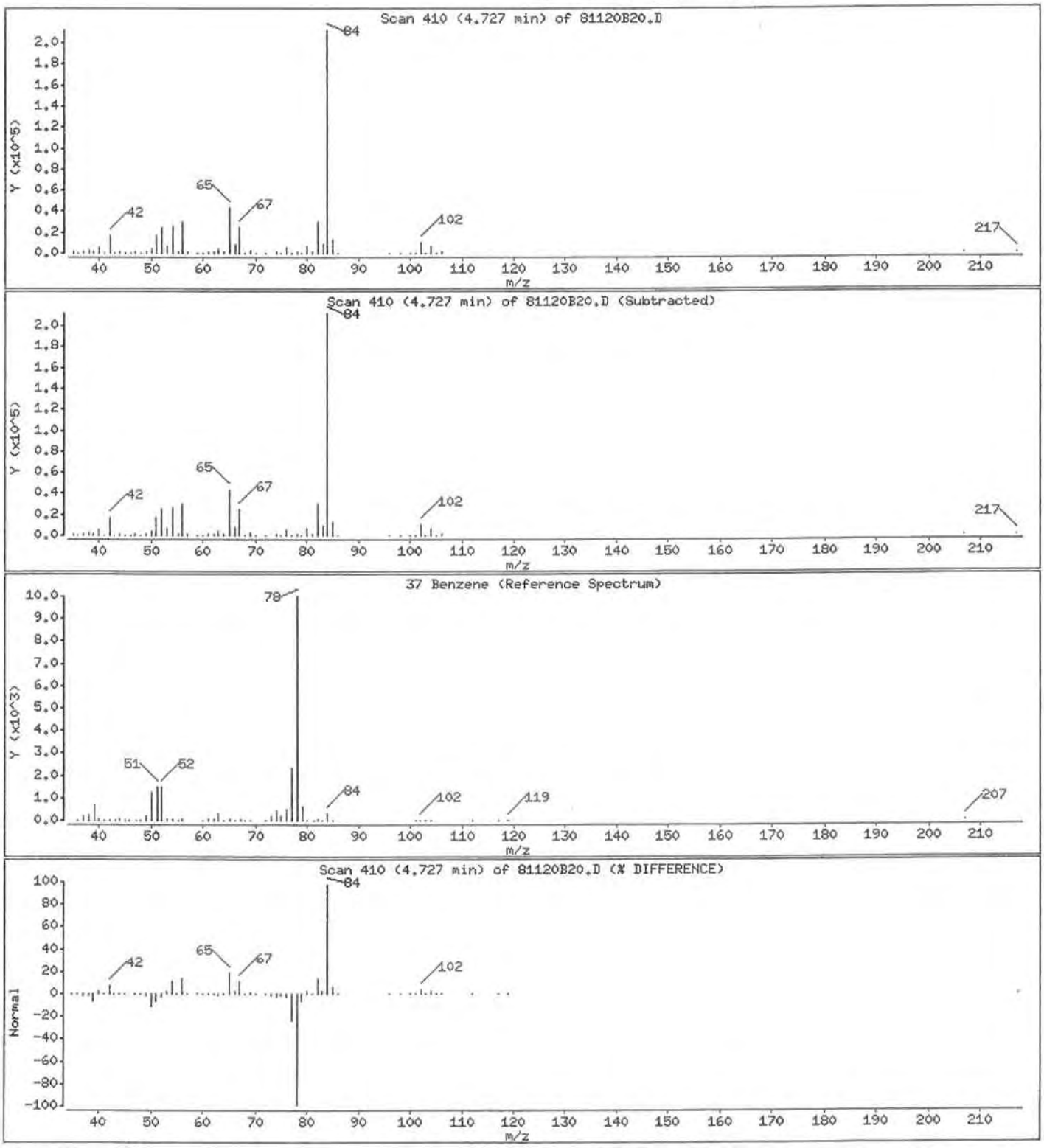
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

37 Benzene

Concentration: 0.1071 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

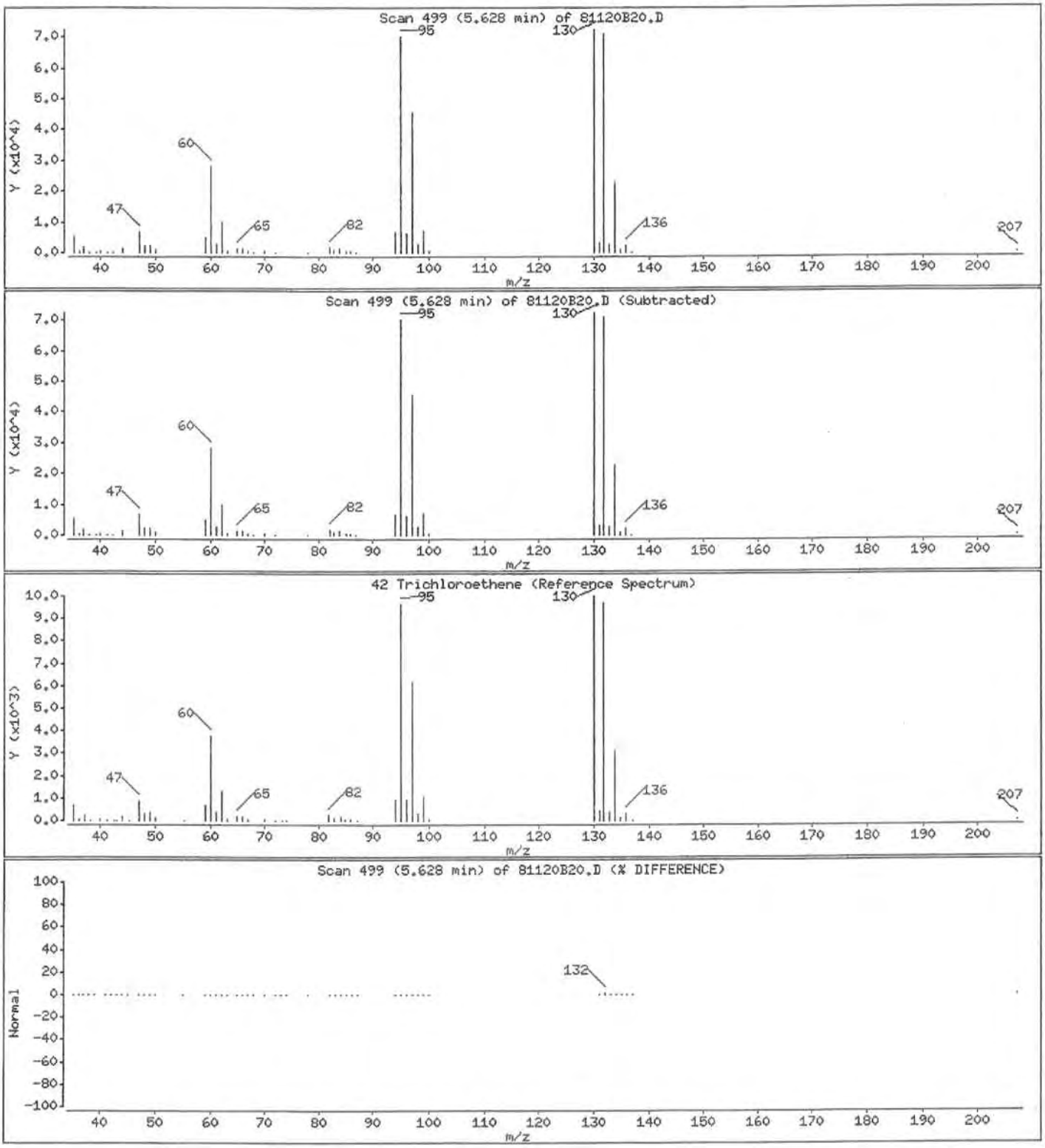
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 14.2919 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

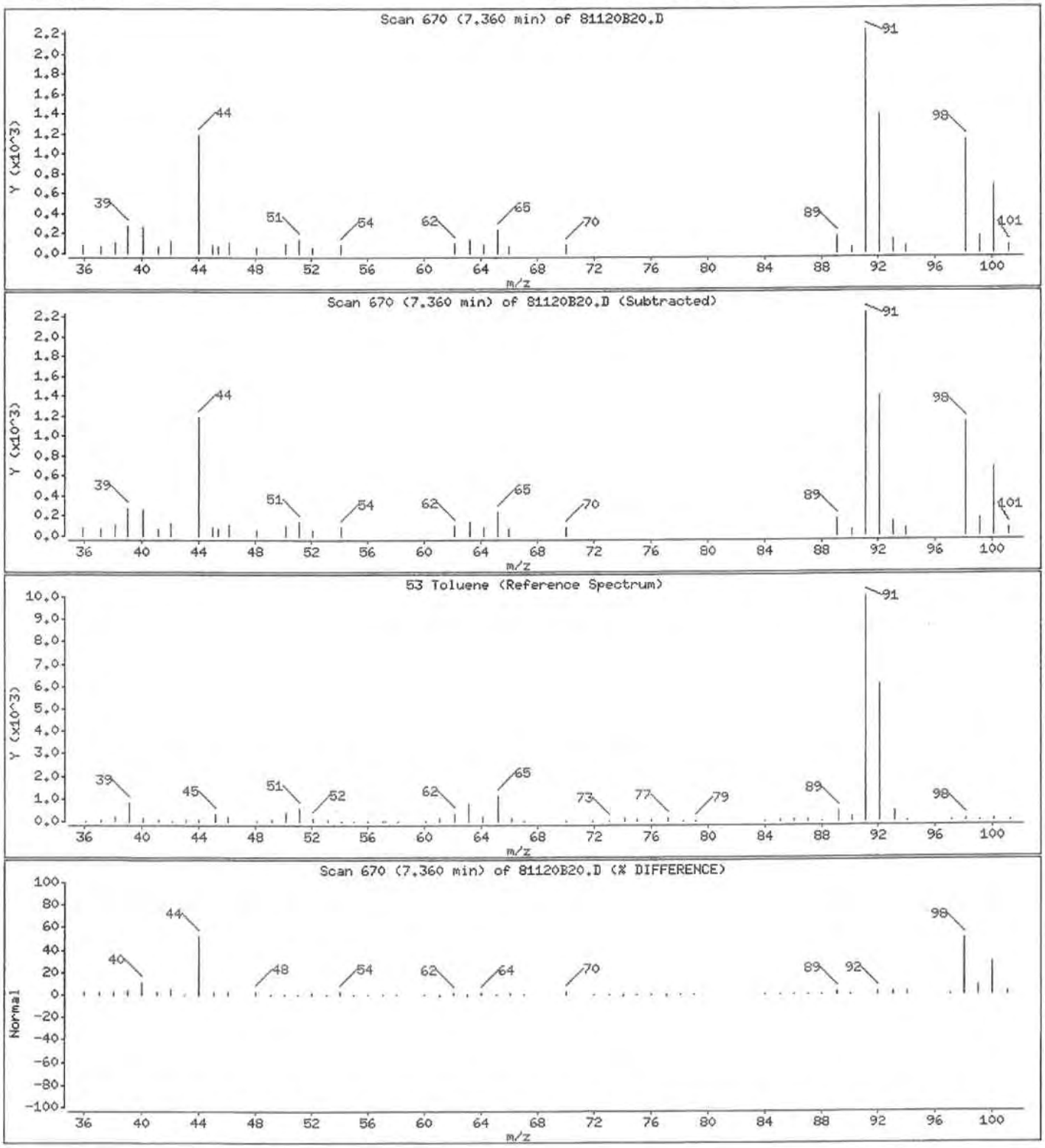
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.1088 ug/L



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Date : 20-NOV-2007 15:11

Client ID: Y3QN5DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-003, 2X

Purge Volume: 25.0

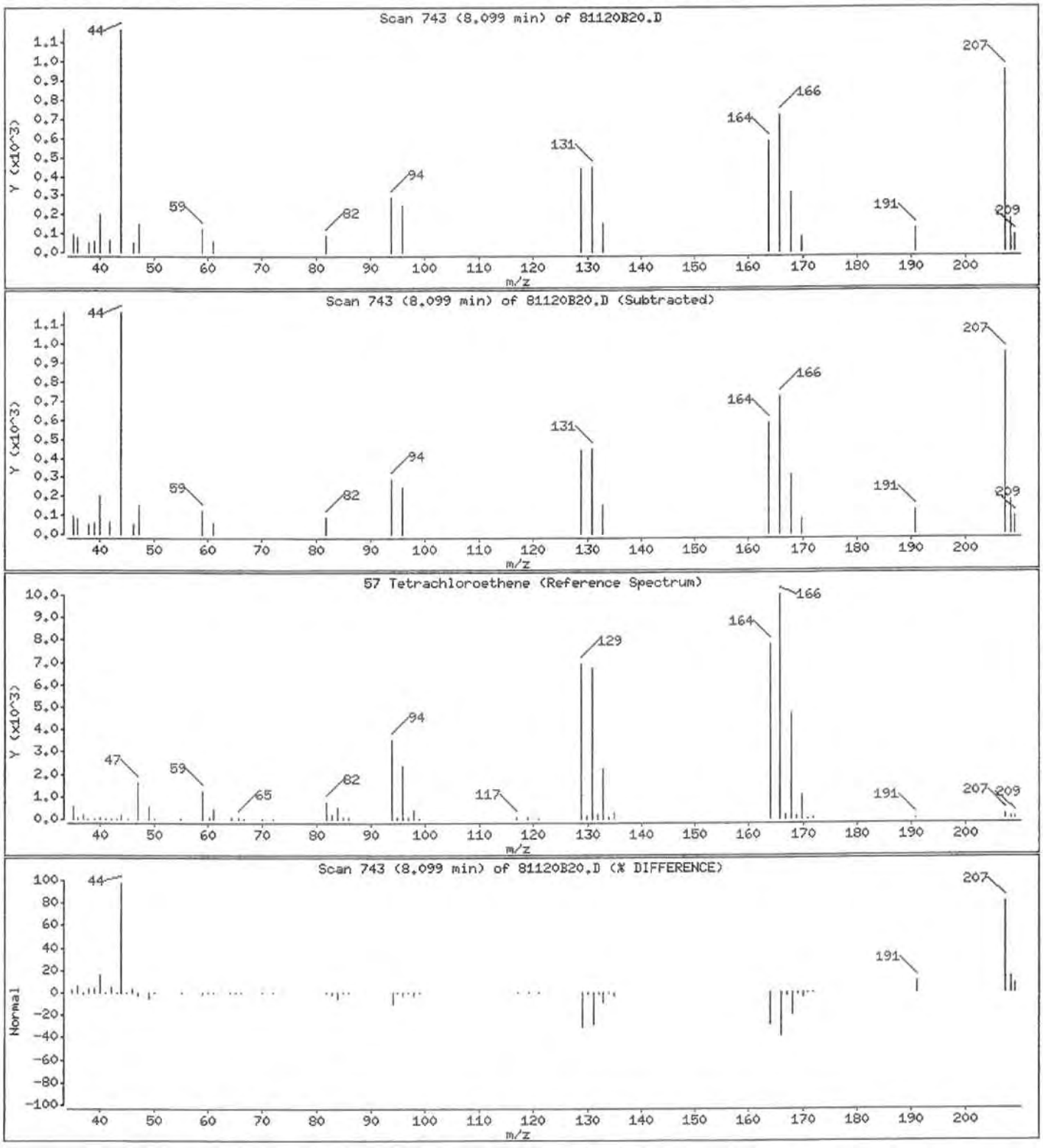
Operator: DLB

Column phase: DB-624

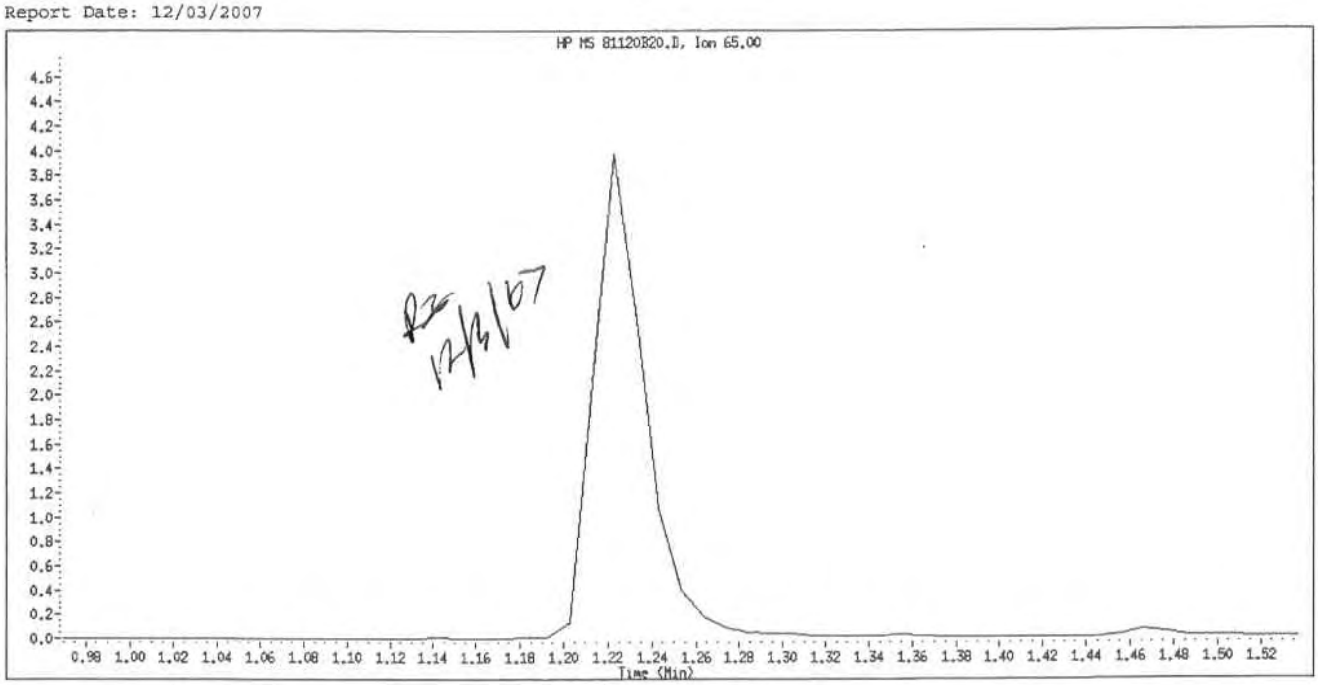
Column diameter: 0.18

57 Tetrachloroethene

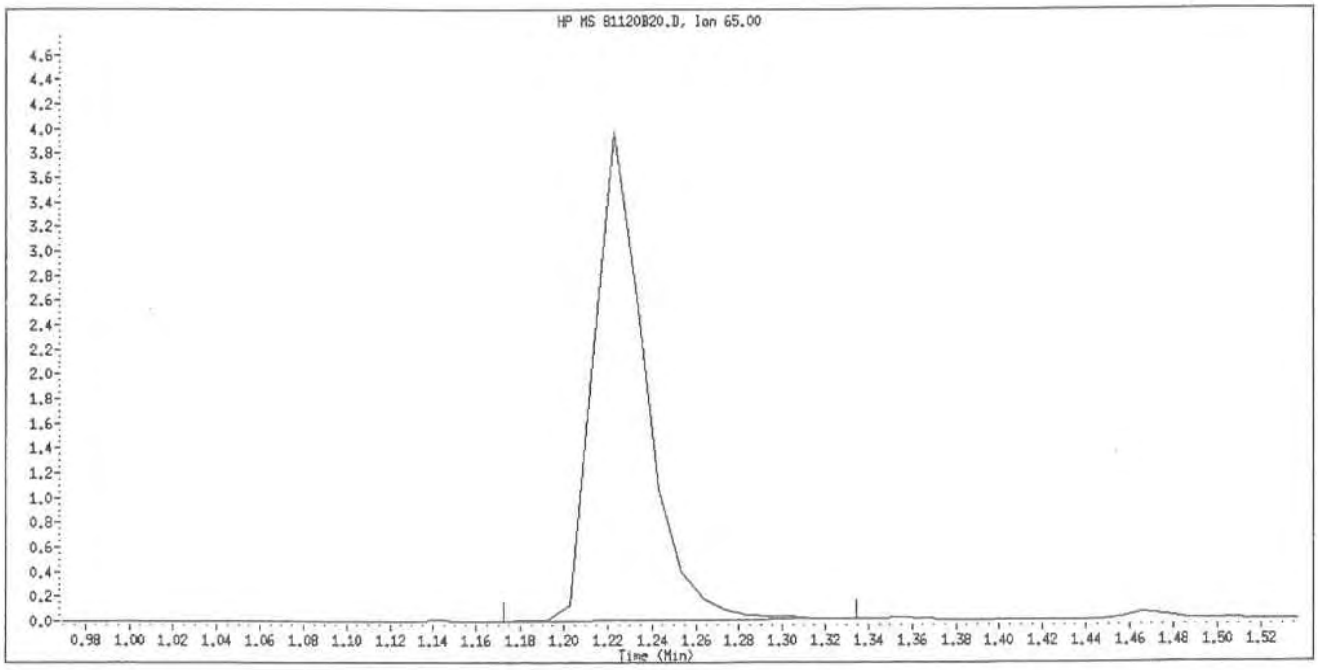
Concentration: 0.1230 ug/L



Data File Name: 81120B20.D
Inj. Date and Time: 20-NOV-2007 15:11
Instrument ID: msd8.i
Client ID: Y3QN5DL
Compound Name: Vinyl Chloride-d3
CAS #: 6745-35-3
Report Date: 12/03/2007



Original Integration



Manual Integration

Manually Integrated By: DLB
Manual Integration Reason: Unknown

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

EPA SAMPLE NO.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.092	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	0.23	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	5.2	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.55	B
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.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	6.2	
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.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A20.D
Lab Smp Id: IK15003-004 Client Smp ID: Y3QN6
Inj Date : 19-NOV-2007 15:30
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl Chloride-d3	65	1.222	1.223	(0.230)	69393	8.61790	8.6179(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.465	1.466	(0.276)	77110	7.87954	7.8795(R)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	189191	5.27882	5.2788(R)
13	1,1-Dichloroethene	96	1.982	1.992	(0.373)	1731	0.09175	0.0917(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	2.357	2.347	(0.444)	6261	0.23247	0.2324(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	3.633	(0.684)	488783	55.9943	55.9943
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	115880	5.17567	5.1756
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.068	4.058	(0.766)	219669	5.89374	5.8937
31	Chloroform	83	4.088	4.088	(0.769)	19061	0.54979	0.5497
33	1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	111497	5.82046	5.8204
$	36	Benzene-d6	84	4.726	4.716	(0.511)	496225	6.00851	6.0085
	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)	415815	5.00000	
	42	Trichloroethene	95	5.627	5.628	(0.608)	127463	6.24184	6.2418
$	44	1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	147683	5.41621	5.4162
	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)	24612	236.029	236.0294(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)	229367	5.13278	5.1327
	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)	416156	5.80617	5.8061
	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	8.281	(0.896)	466938	56.2274	56.2273
	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)	375017	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)	123191	5.31965	5.3196
	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)	201474	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	167045	5.83228	5.8322
	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\8nov1907.b\81119A20.D
Lab Smp Id: IK15003-004 Client Smp ID: Y3QN6
Inj Date : 19-NOV-2007 15:30
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-004
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 11
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\8nov1907.b\81119A20.D

Date : 19-NOV-2007 15:30

Client ID: Y3QN6

Instrument: msd8.i

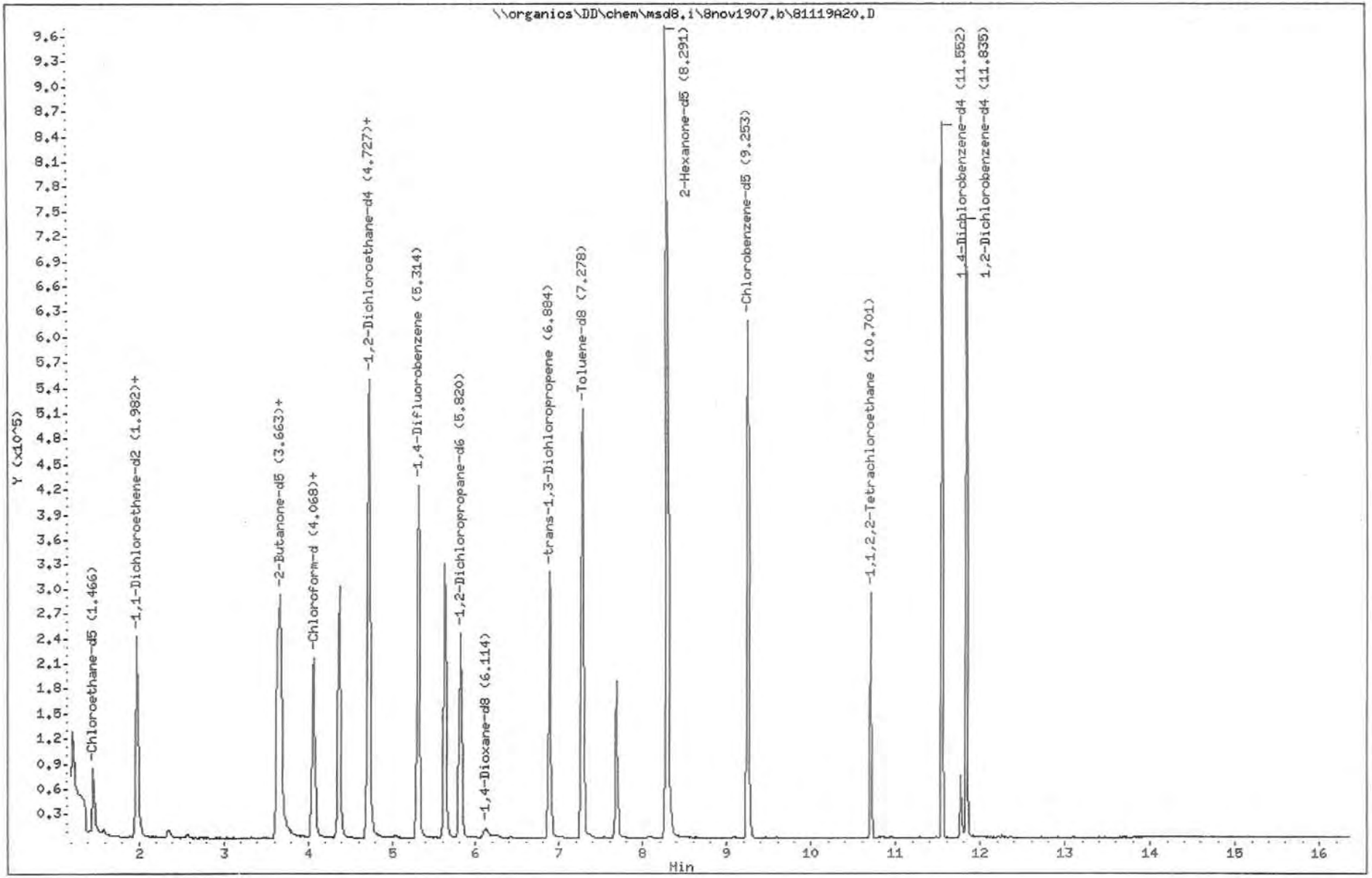
Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A20.D

Date : 19-NOV-2007 15:30

Client ID: Y3QN6

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0

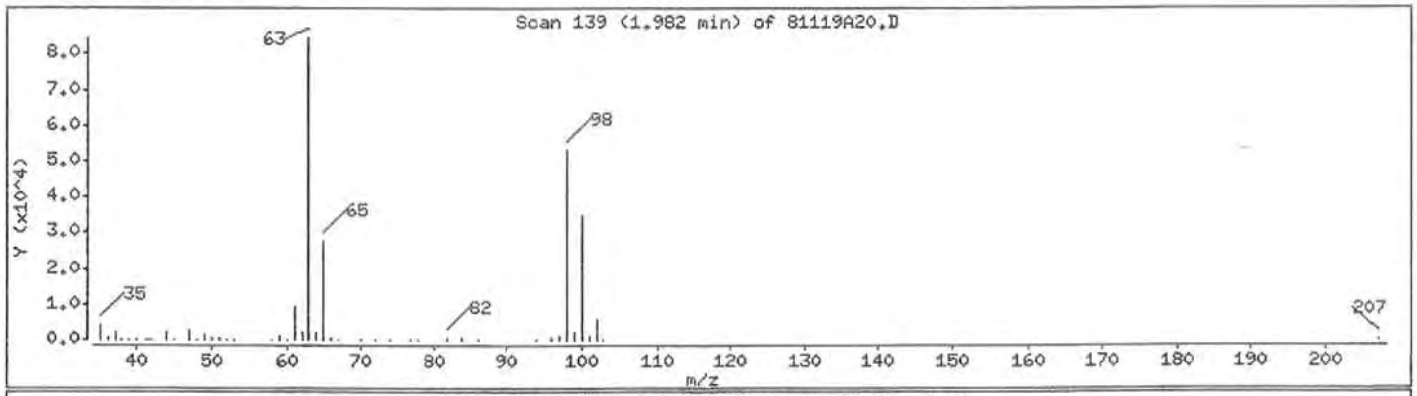
Operator: DLB

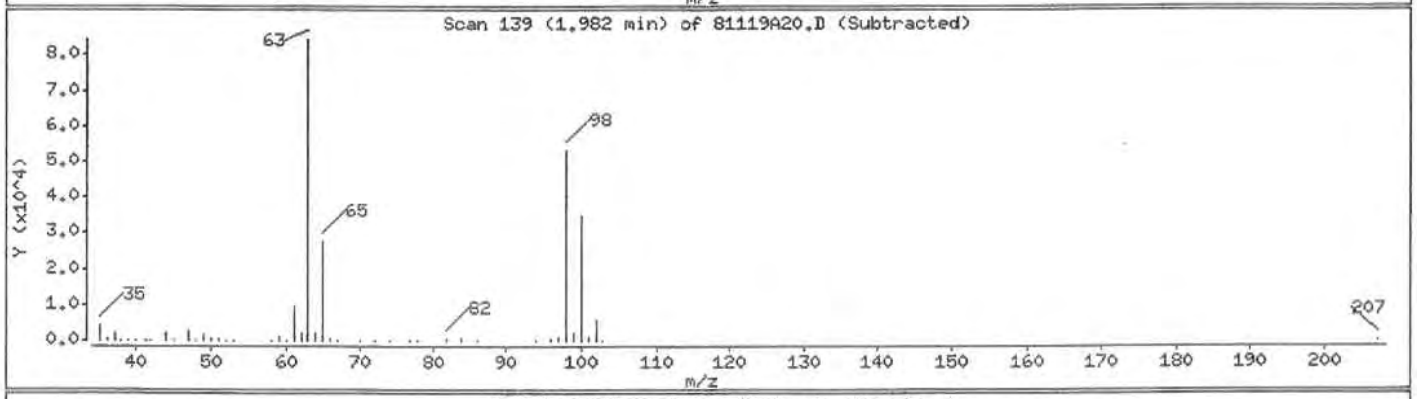
Column phase: DB-624

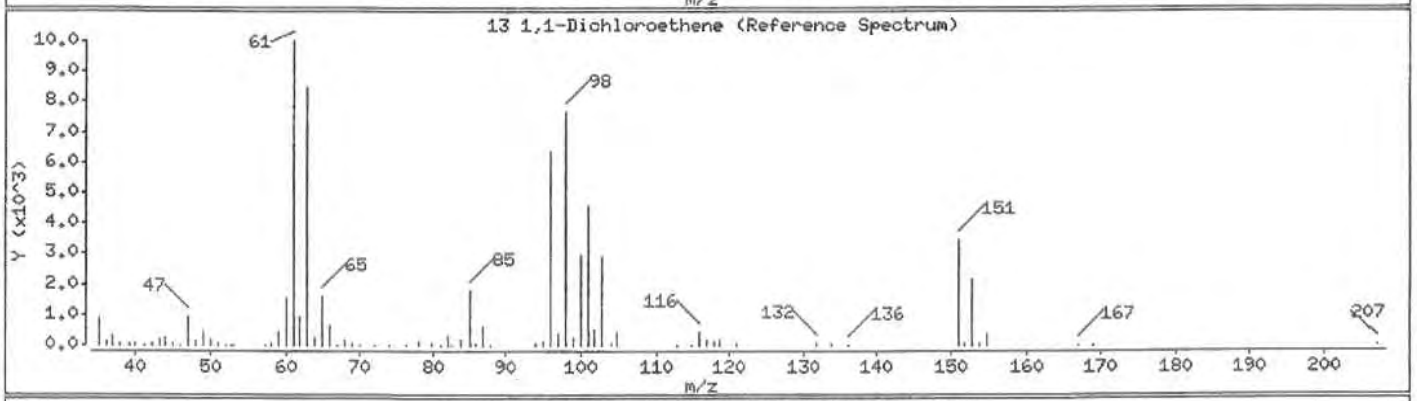
Column diameter: 0.18

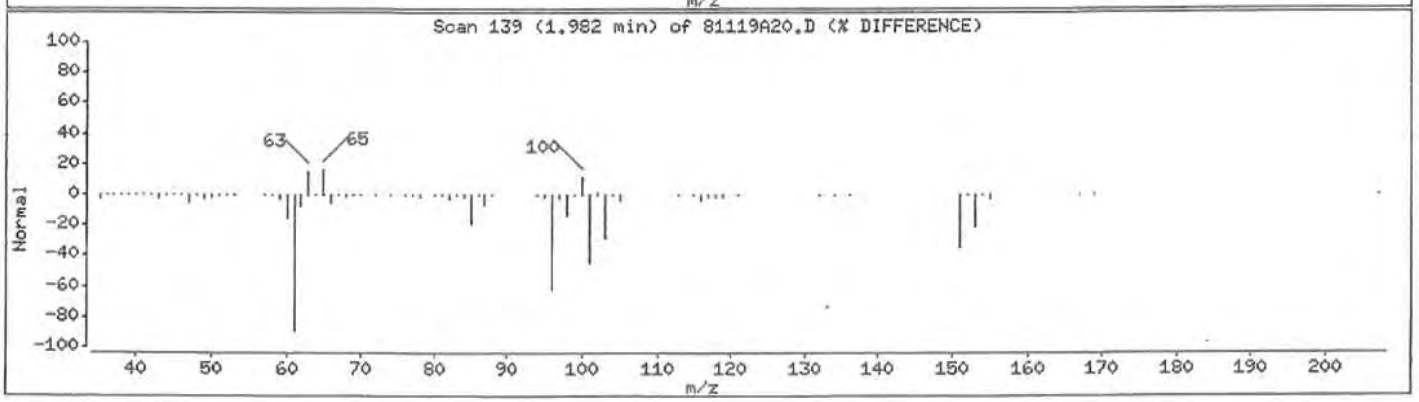
13 1,1-Dichloroethene

Concentration: 0.0917 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A20.D

Date : 19-NOV-2007 15:30

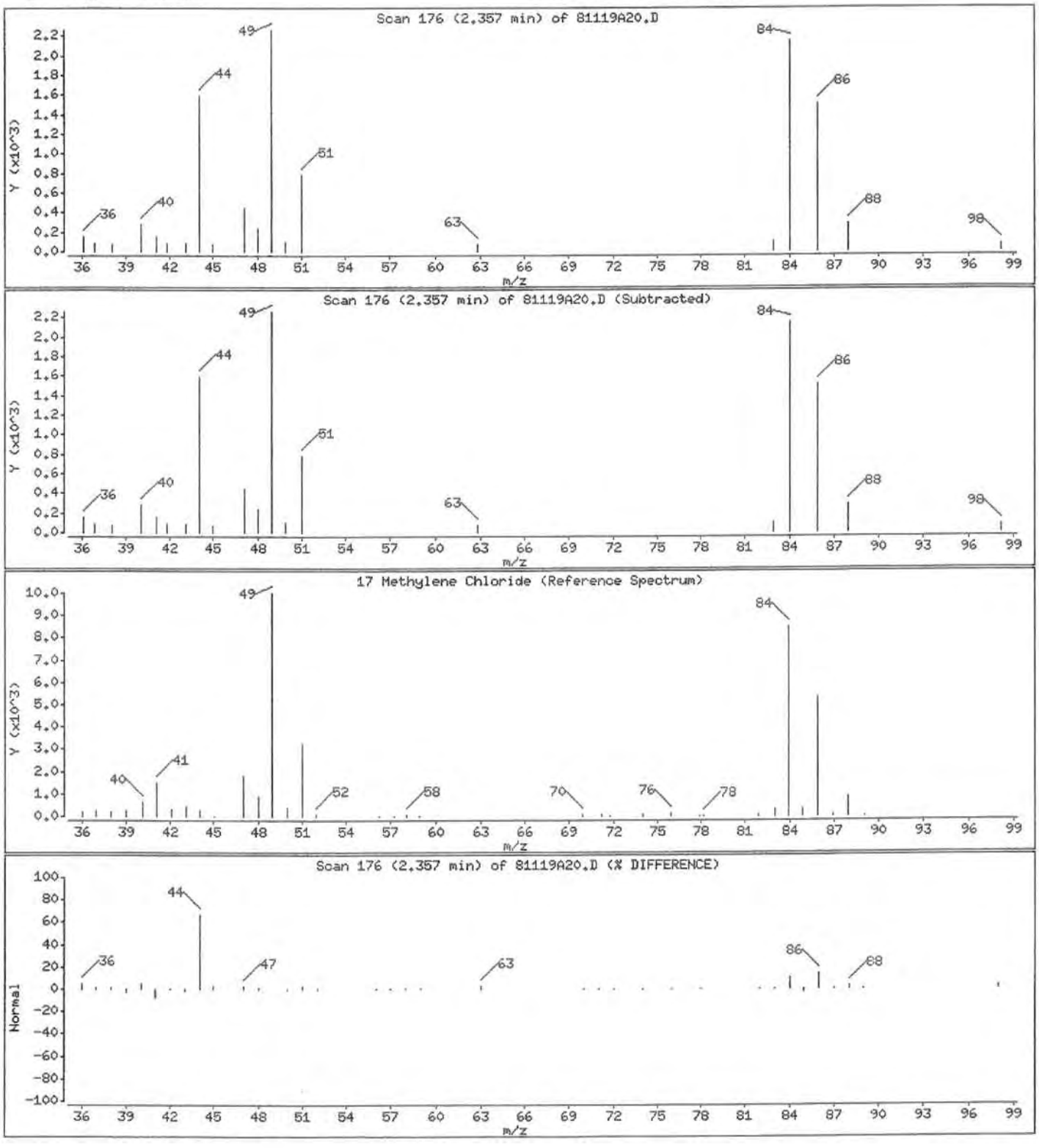
Client ID: Y3QN6 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2324 ug/L



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Date : 19-NOV-2007 15:30

Client ID: Y3QN6

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0

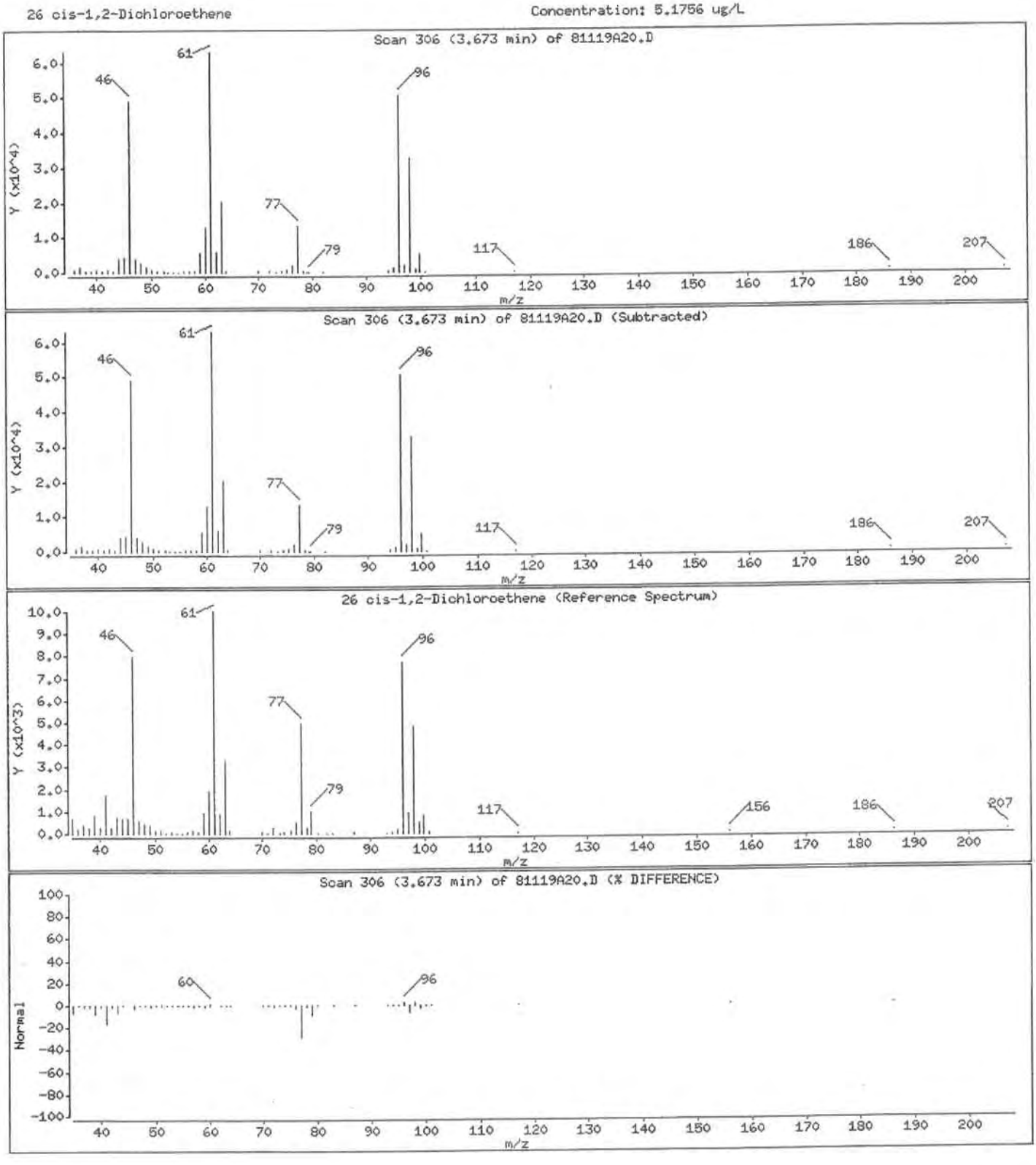
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 5.1756 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A20.D

Date : 19-NOV-2007 15:30

Client ID: Y3QN6

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0

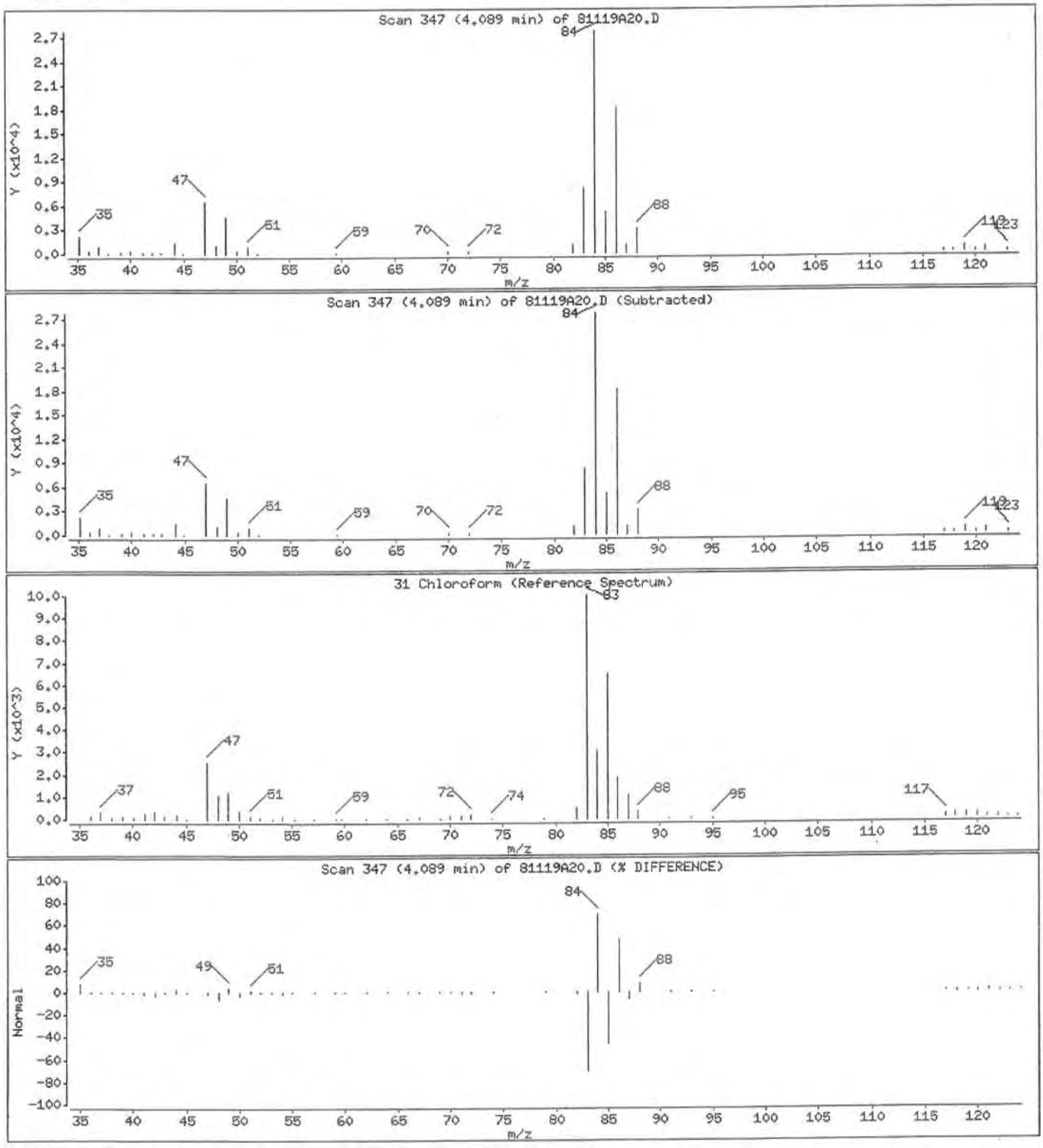
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.5497 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A20.D

Date : 19-NOV-2007 15:30

Client ID: Y3QN6

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-004

Purge Volume: 25.0

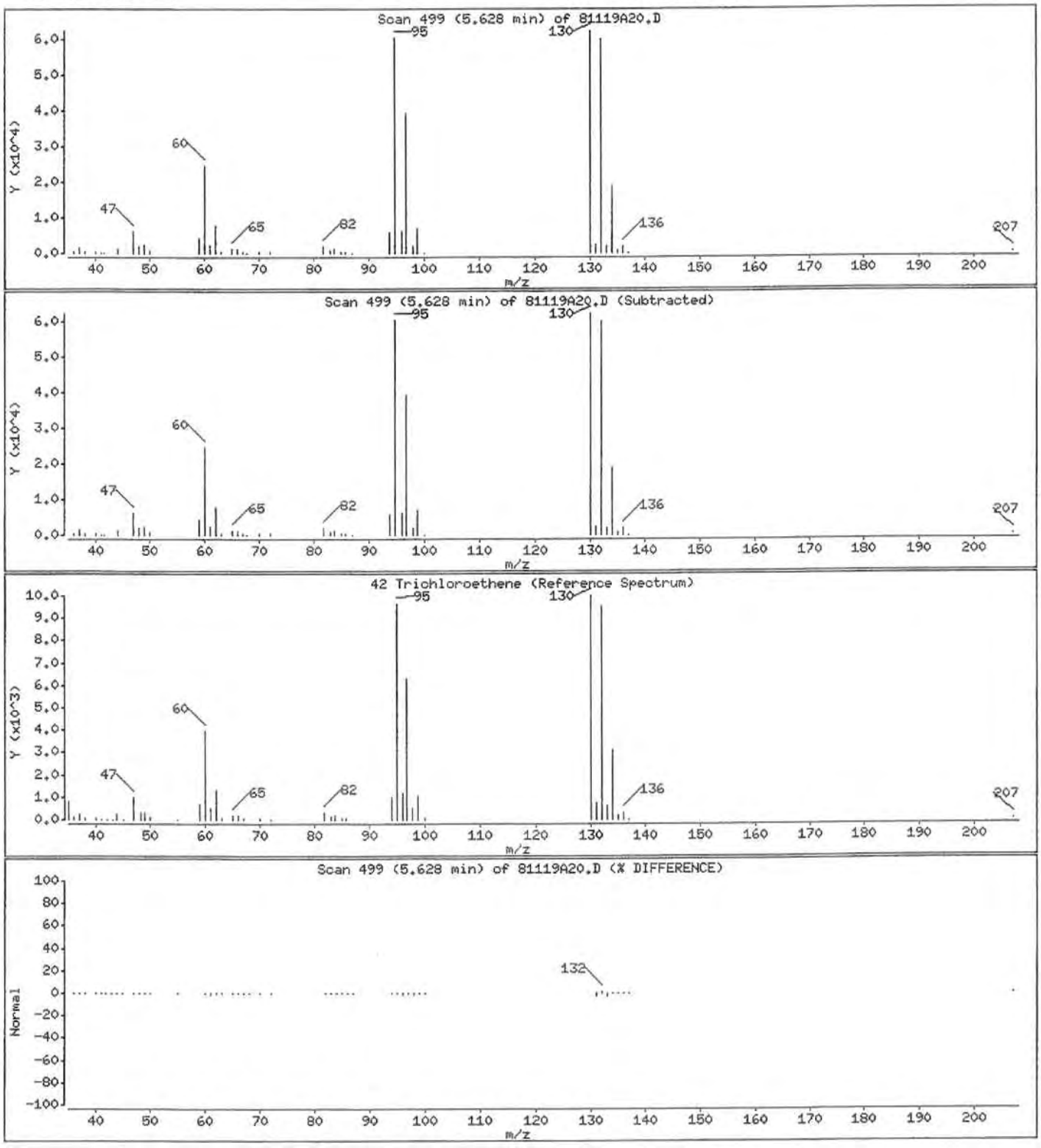
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 6.2418 ug/L



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

EPA SAMPLE NO.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.078	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	0.082	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	0.24	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	1.4	
78-93-3	2-Butanone	0.20	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.56	B
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.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	2.8	
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	0.059	J
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.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.56	NJ
02					
03					
04					
05					
06					
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29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A21.D
Lab Smp Id: IK15003-005 Client Smp ID: Y3QN7
Inj Date : 19-NOV-2007 15:52
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-005
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 12
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)	CONCENTRATIONS FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	1.152	1.152	(0.217)	1957	0.07802	0.0780(a)
$	3 Vinyl Chloride-d3	65	1.222	1.223	(0.230)	66166	8.36085	8.3608(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	78791	8.19212	8.1921(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	183083	5.19773	5.1977
	13 1,1-Dichloroethene	96	1.982	1.992	(0.373)	1514	0.08165	0.0816(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	2.347	(0.442)	6477	0.24470	0.2446(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	3.633	(0.686)	467007	54.4353	54.4353
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	30585	1.38994	1.3899
	28 2-Butanone	43	3.714	3.714	(0.699)	1795	0.20214	0.2021(aQ)
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.068	4.058	(0.766)	212631	5.80468	5.8046
	31 Chloroform	83	4.088	4.088	(0.769)	19137	0.56163	0.5616
	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)	109831	5.83376	5.8337
$	36 Benzene-d6	84	4.726	4.716	(0.511)	481190	5.86695	5.8669
	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)	408668	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	56311	2.77670	2.7767
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	143741	5.30827	5.3082
	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)	20029	195.438	195.4375(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)	224385	5.05619	5.0561
	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)	402649	5.65676	5.6567
	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	8.281	(0.896)	458088	55.5450	55.5450
	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)	372429	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)	117840	5.12394	5.1239
	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)	199864	5.00000	
	86 1,4-Dichlorobenzene	146	11.561	11.562	(1.001)	2797	0.05881	0.0588(aQ)
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	163404	5.75111	5.7511
	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\8nov1907.b\81119A21.D
Lab Smp Id: IK15003-005 Client Smp ID: Y3QN7
Inj Date : 19-NOV-2007 15:52
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-005
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 12
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

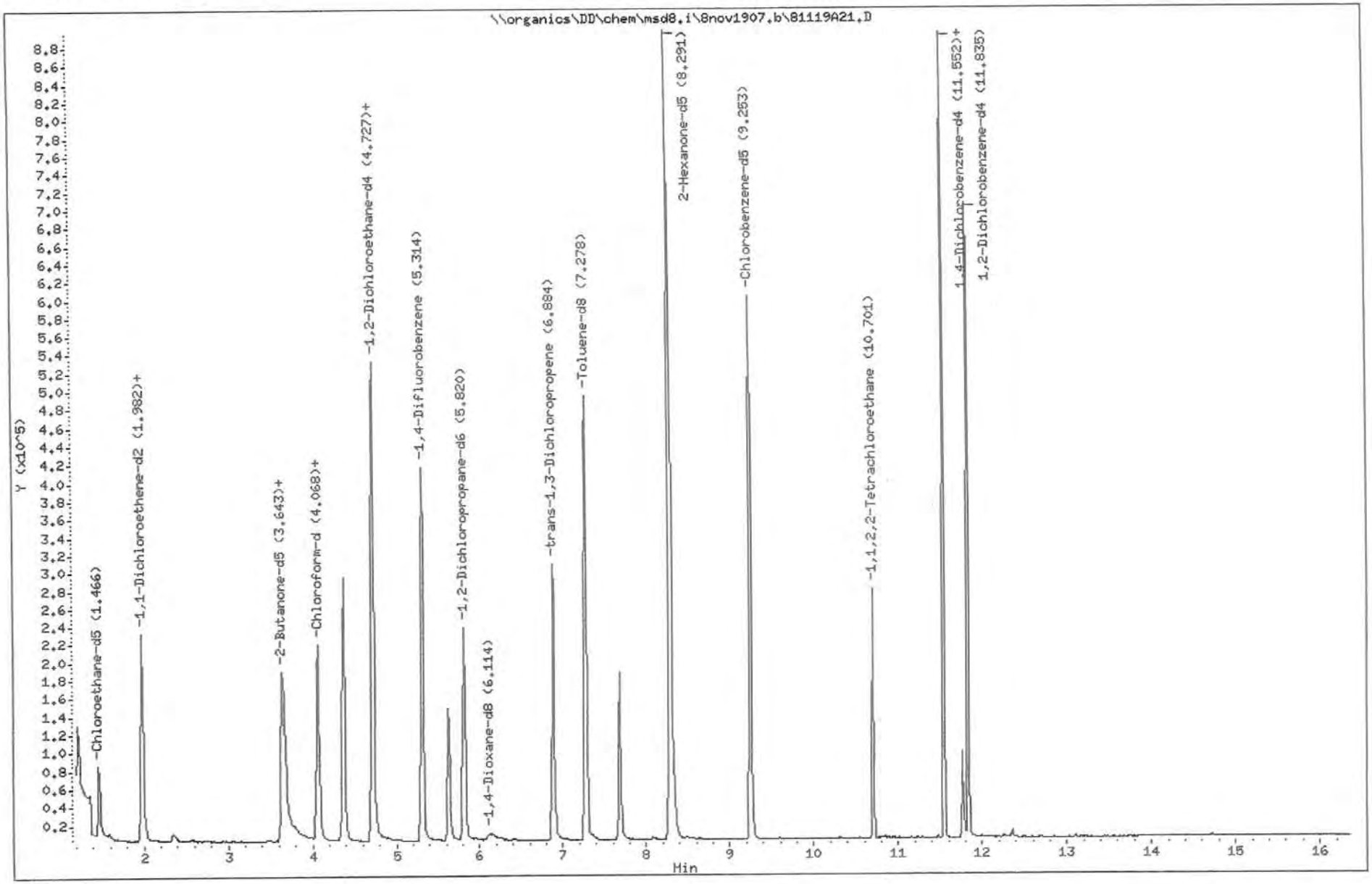
ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1130363	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.775	127433	0.56368314	0.5636	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A21.D
Date : 19-NOV-2007 15:52
Client ID: Y3QN7
Sample Info: 8nov1907.b, IK15003-005
Purge Volume: 25.0
Column phase: DB-624

Instrument: msd8.i

Operator: DLB
Column diameter: 0.18



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Date : 19-NOV-2007 15:52

Client ID: Y3QN7

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0

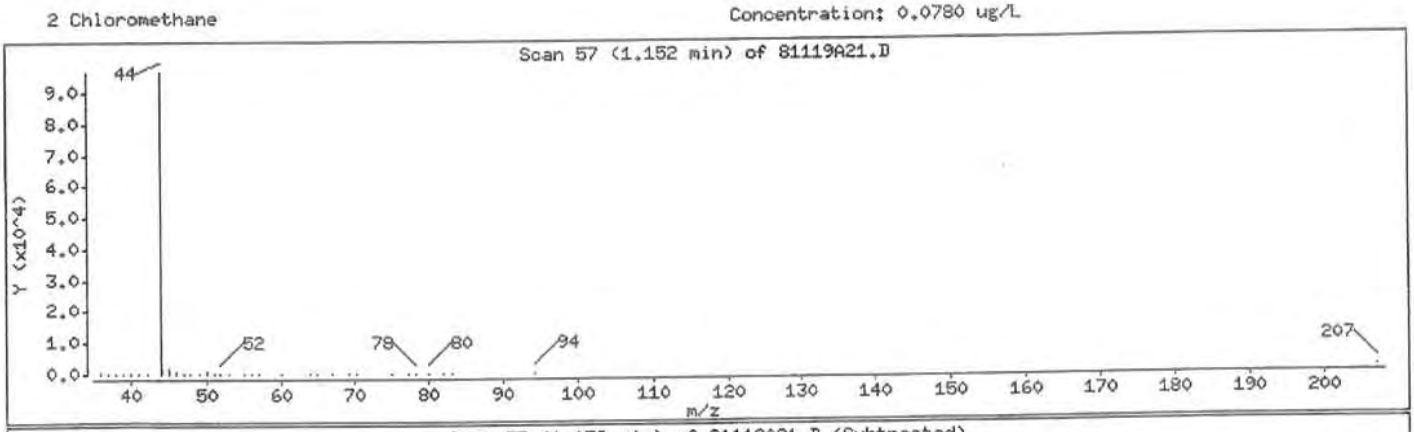
Operator: DLB

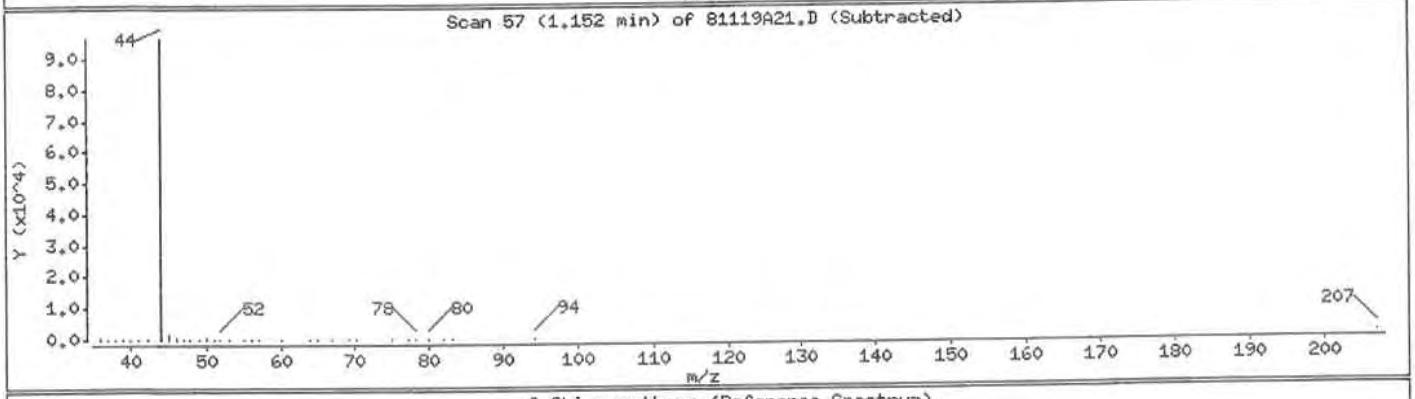
Column phase: DB-624

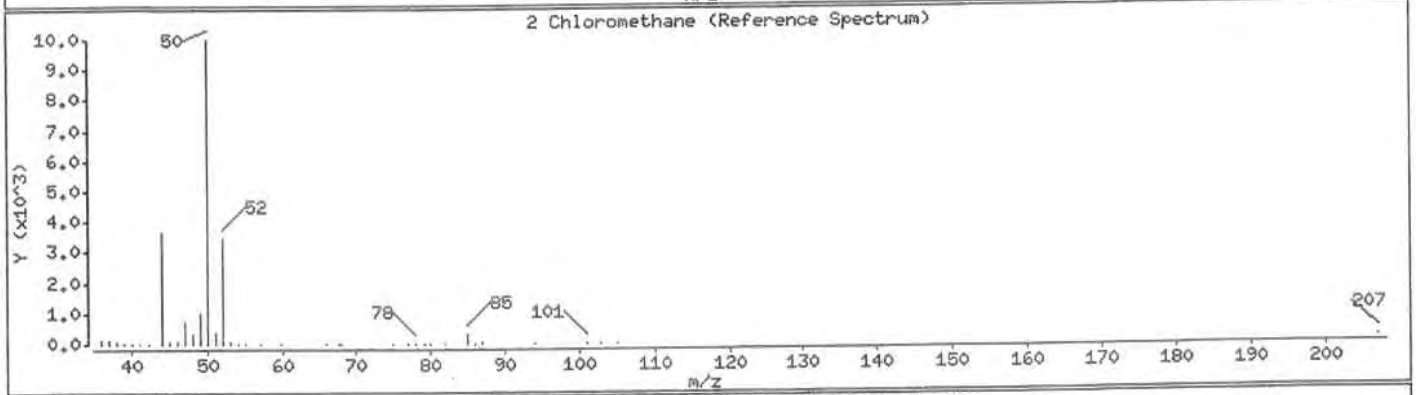
Column diameter: 0.18

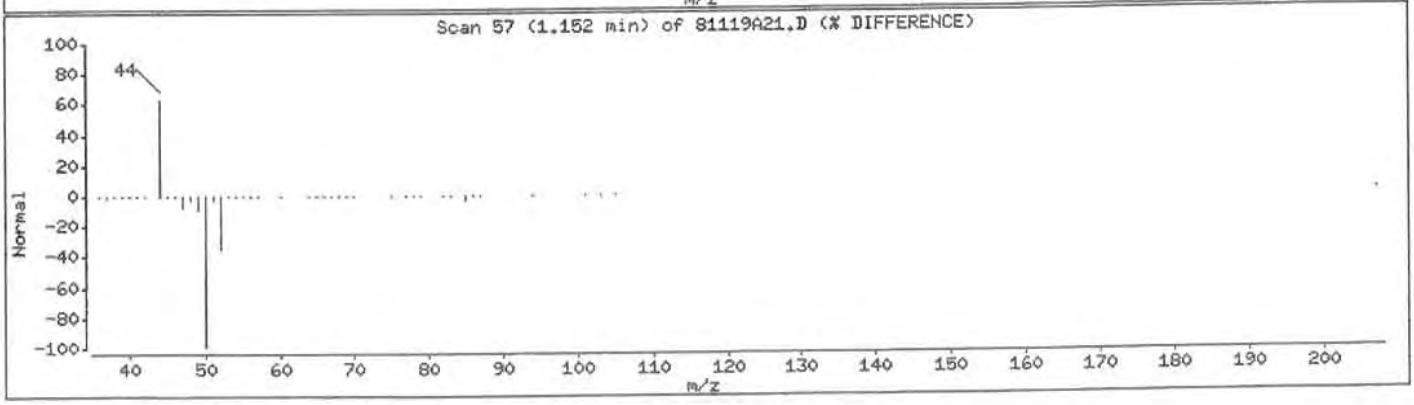
2 Chloromethane

Concentration: 0.0780 ug/L









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Date : 19-NOV-2007 15:52

Client ID: Y3QN7

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0

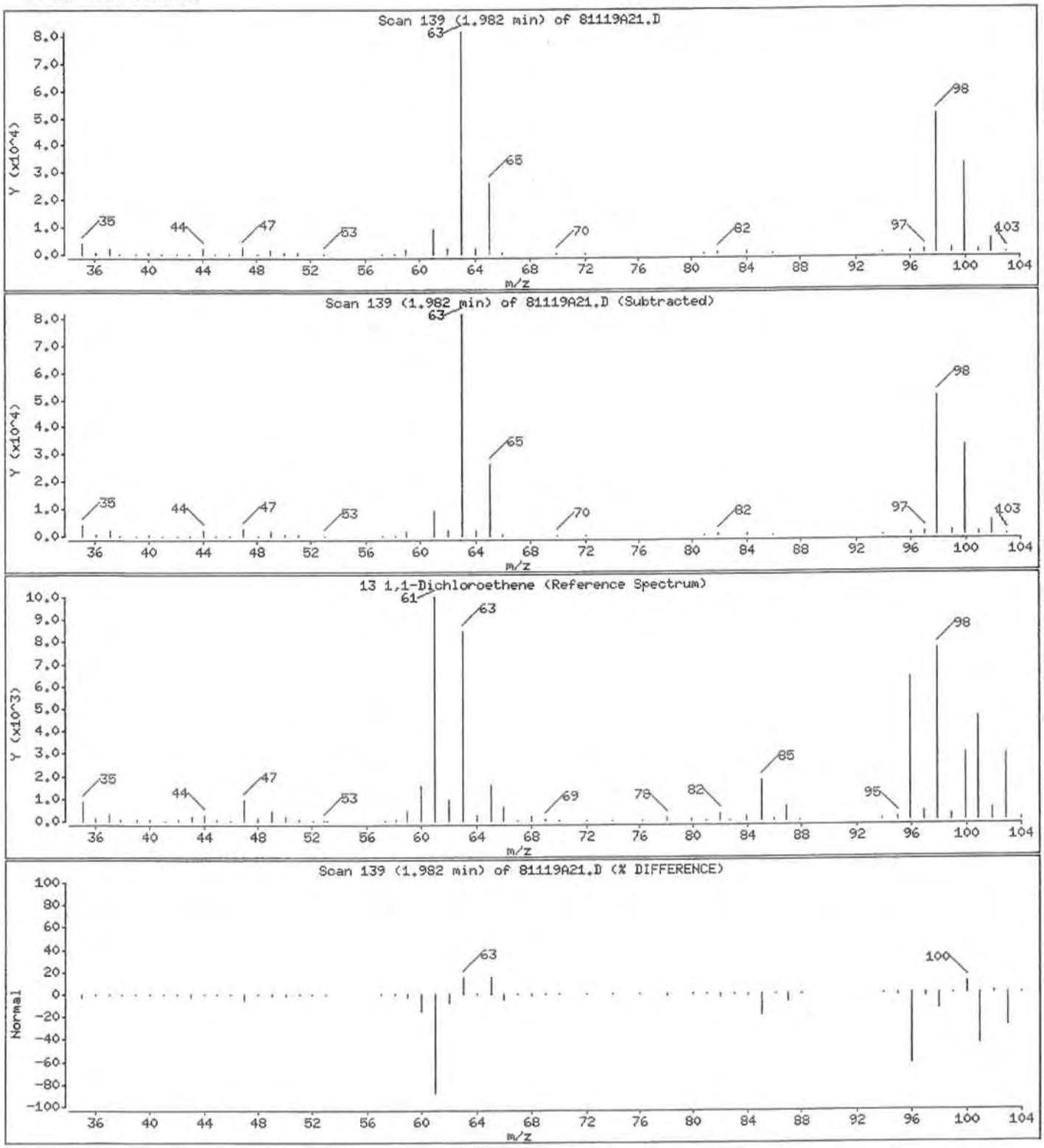
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 0.0816 ug/L



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Date : 19-NOV-2007 15:52

Client ID: Y3QN7

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0

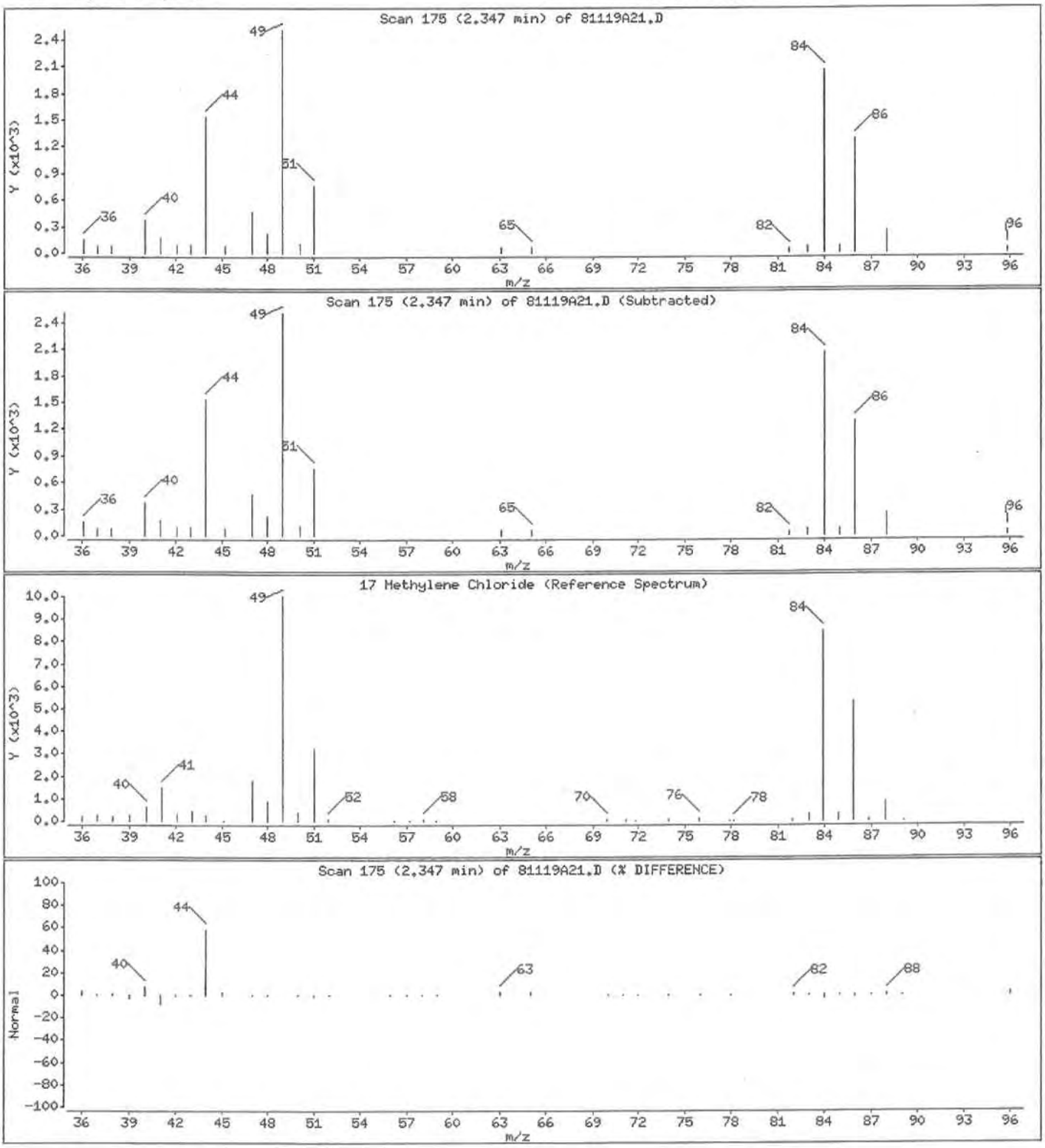
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2446 ug/L



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Date : 19-NOV-2007 15:52

Client ID: Y3QN7

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0

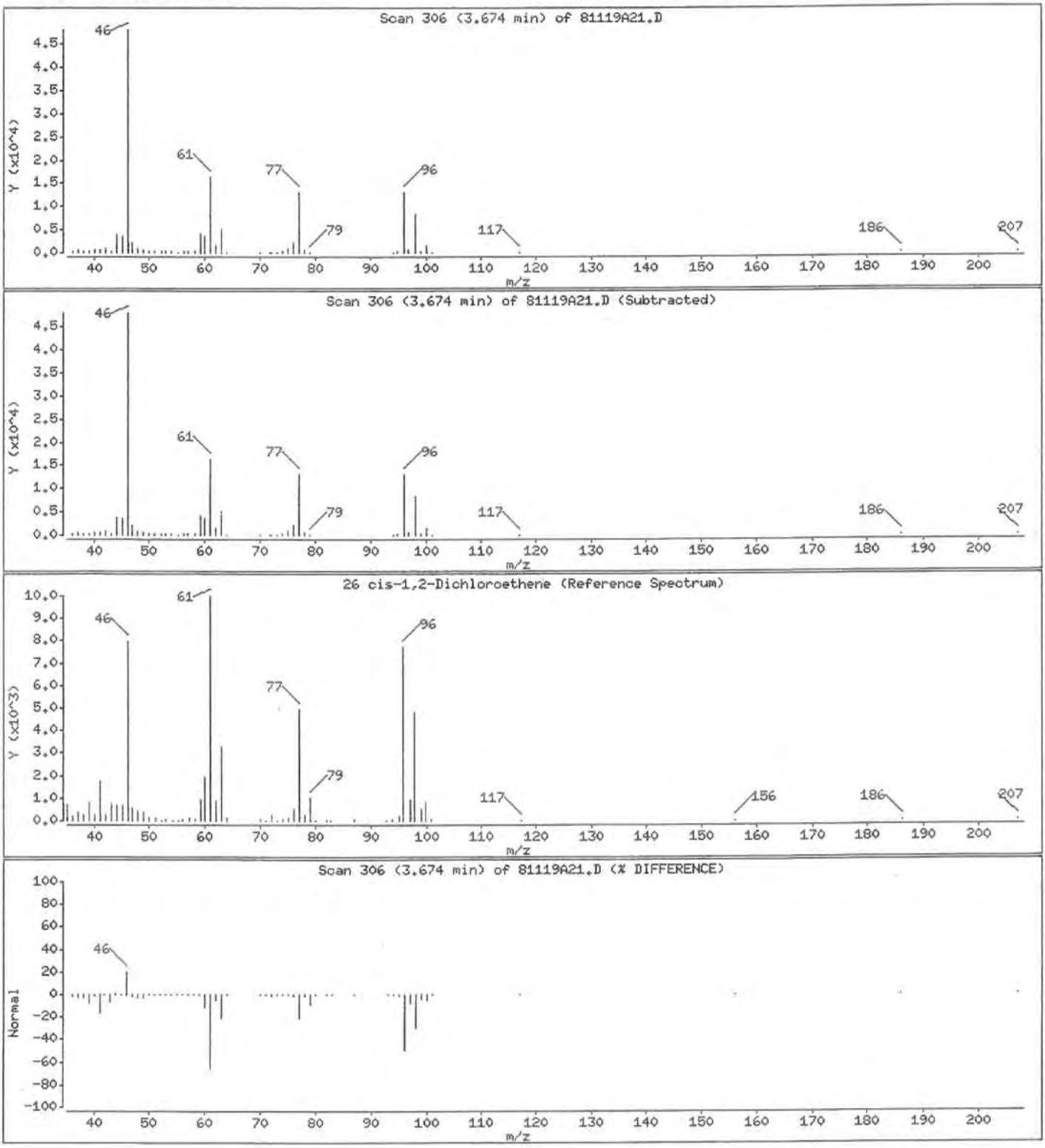
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 1.3899 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A21.D

Date : 19-NOV-2007 15:52

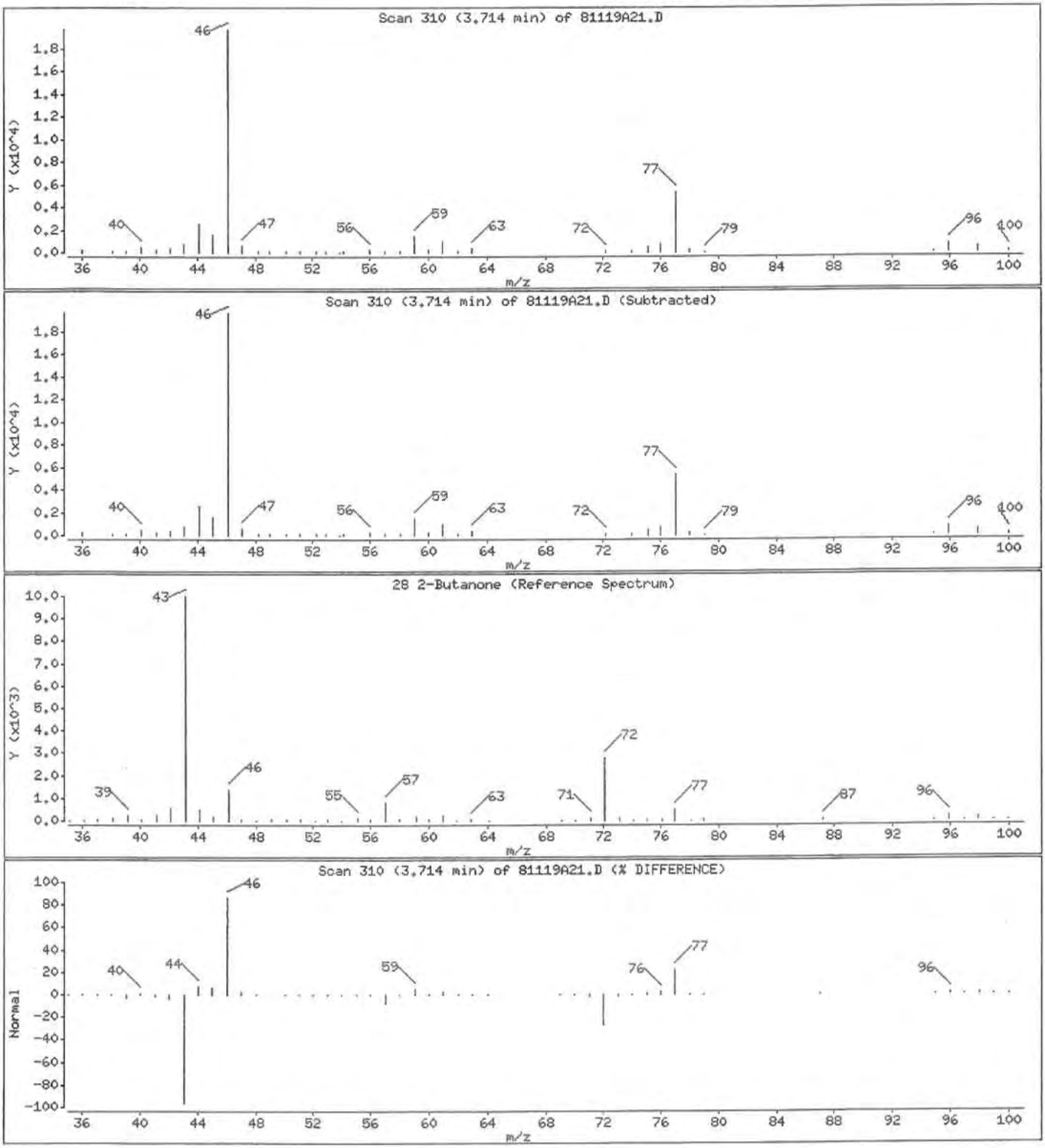
Client ID: Y3QN7 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

28 2-Butanone Concentration: 0.2021 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A21.D

Date : 19-NOV-2007 15:52

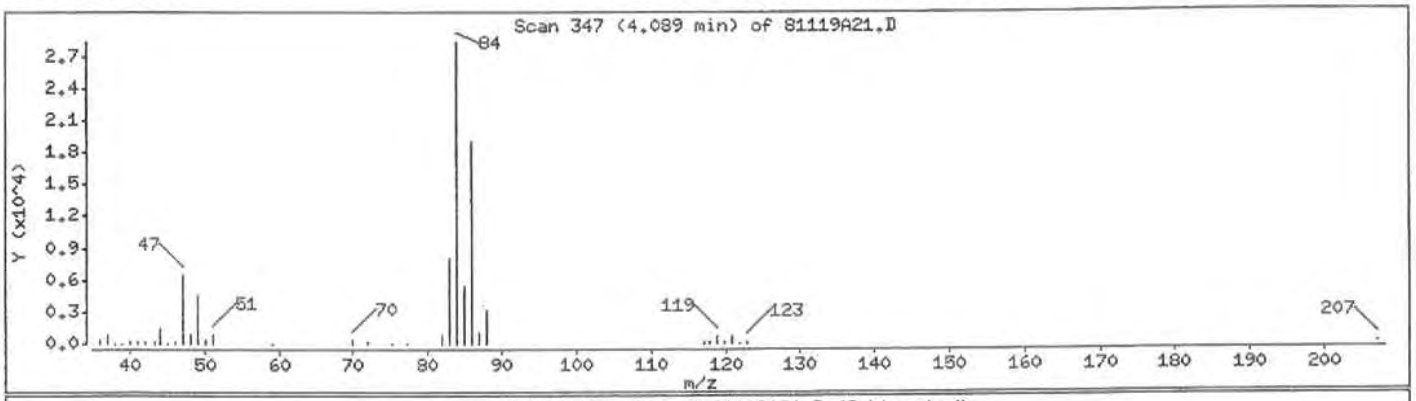
Client ID: Y3QN7 Instrument: msd8.i

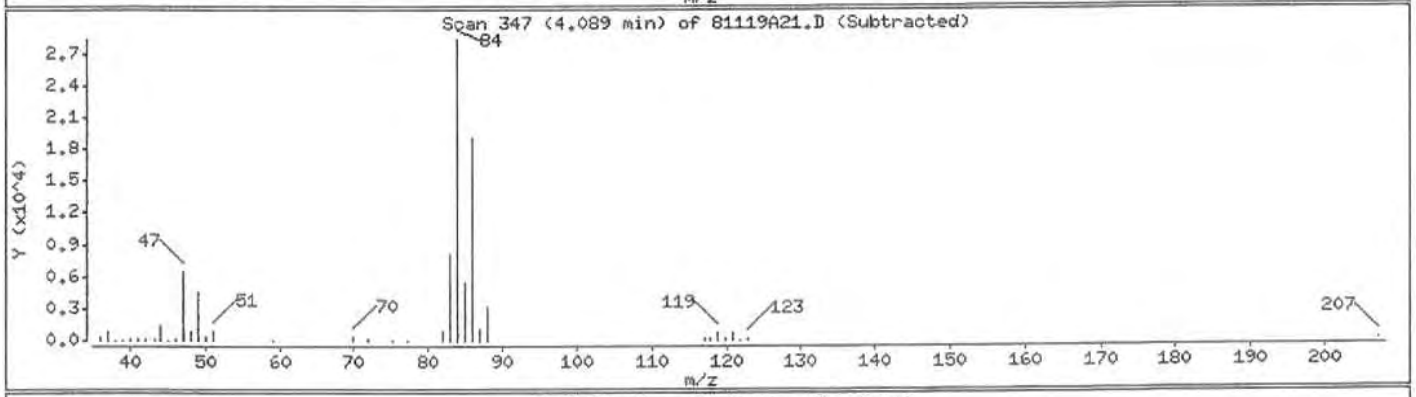
Sample Info: 8nov1907.b, IK15003-005

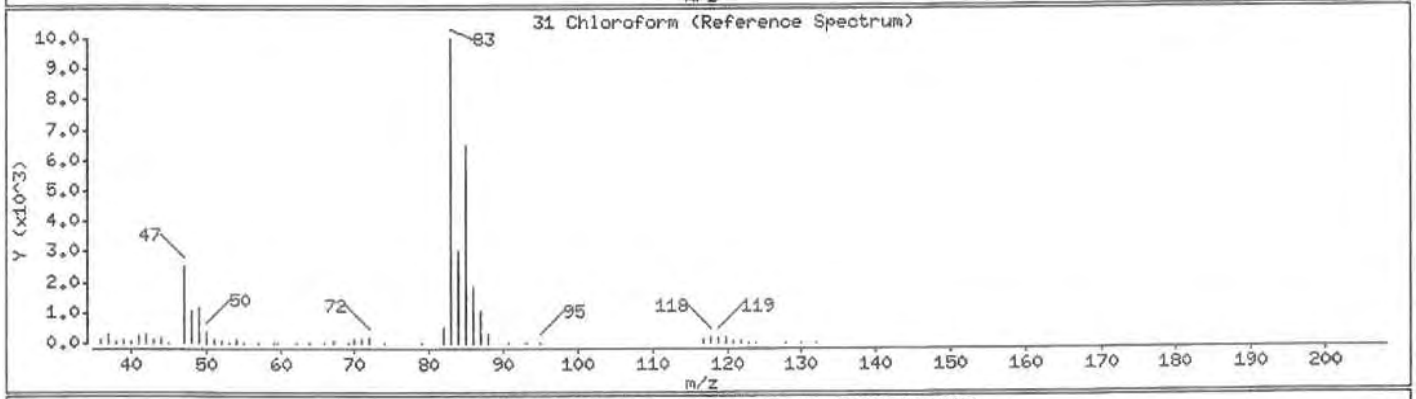
Purge Volume: 25.0 Operator: DLB

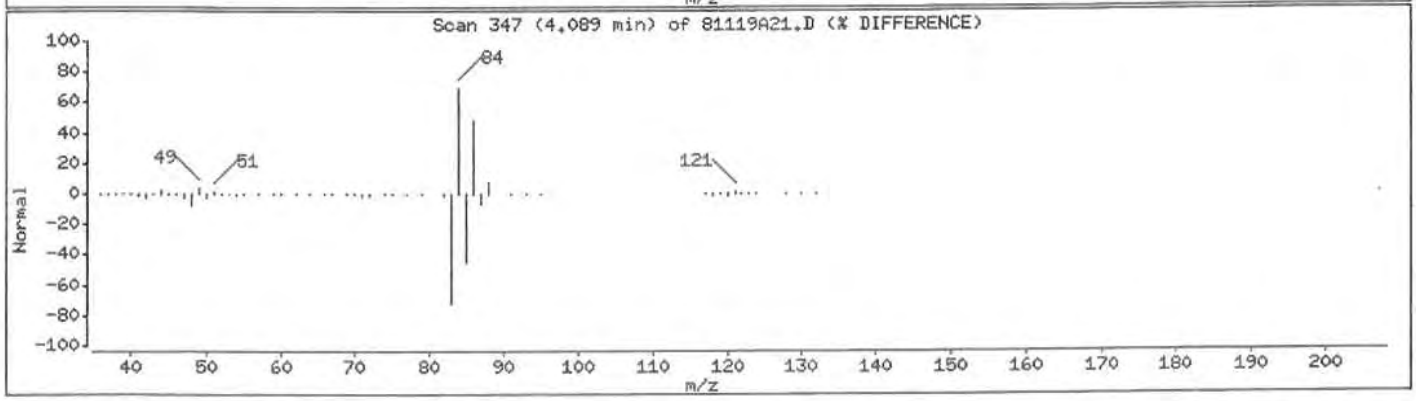
Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.5616 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A21.D

Date : 19-NOV-2007 15:52

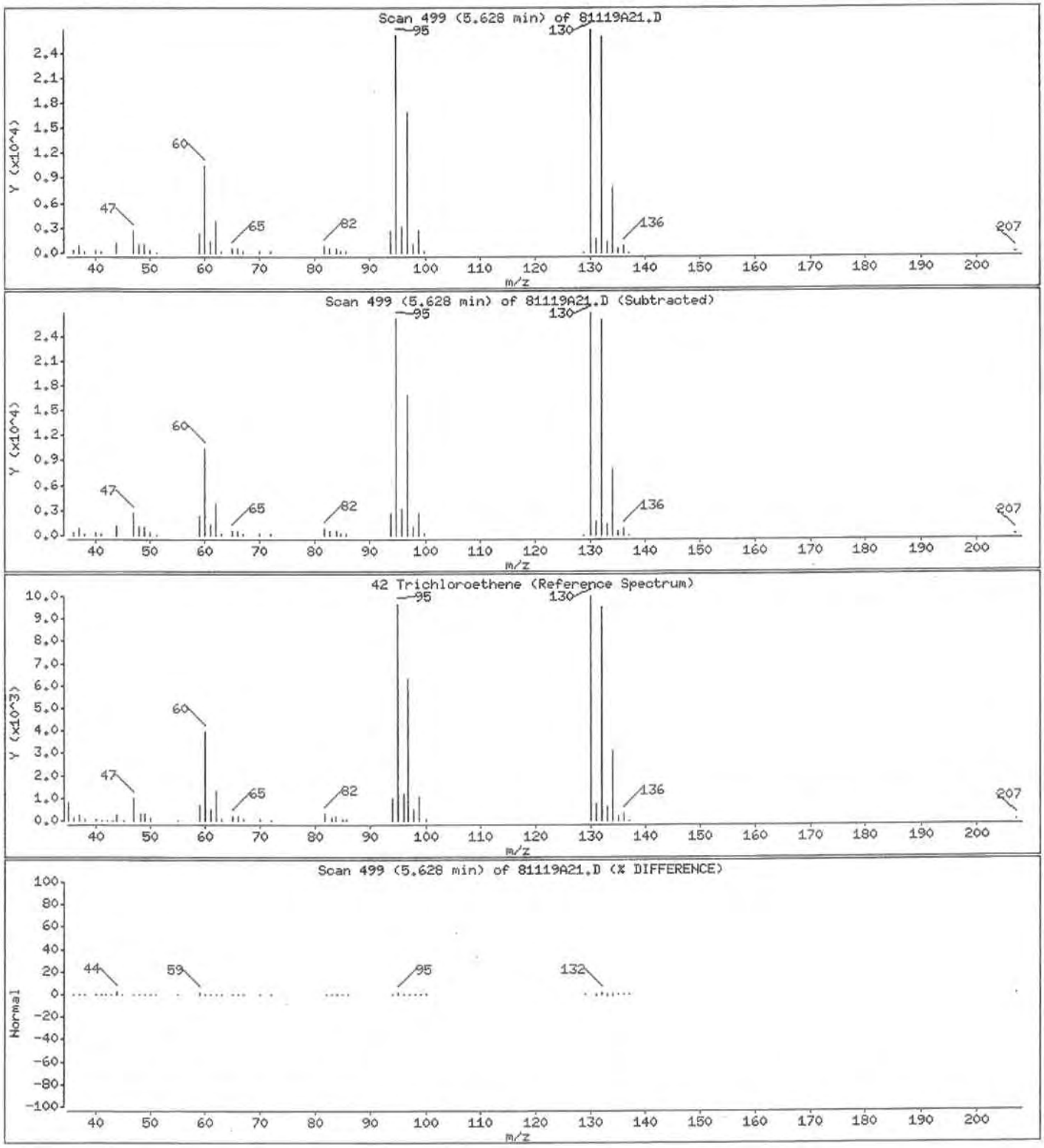
Client ID: Y3QN7 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 2.7767 ug/L



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Date : 19-NOV-2007 15:52

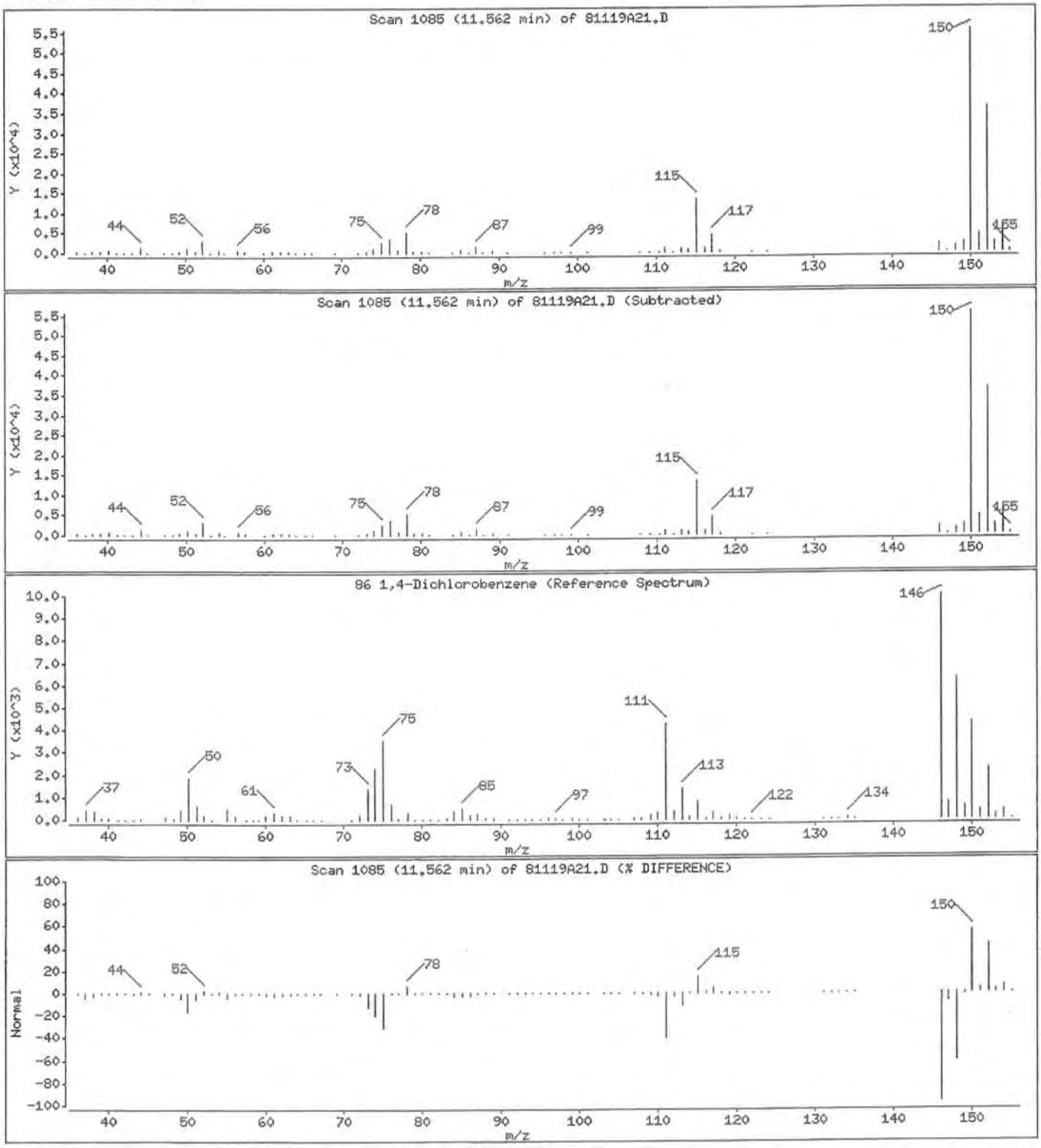
Client ID: Y3QN7 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

86 1,4-Dichlorobenzene Concentration: 0.0588 ug/L



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Date : 19-NOV-2007 15:52

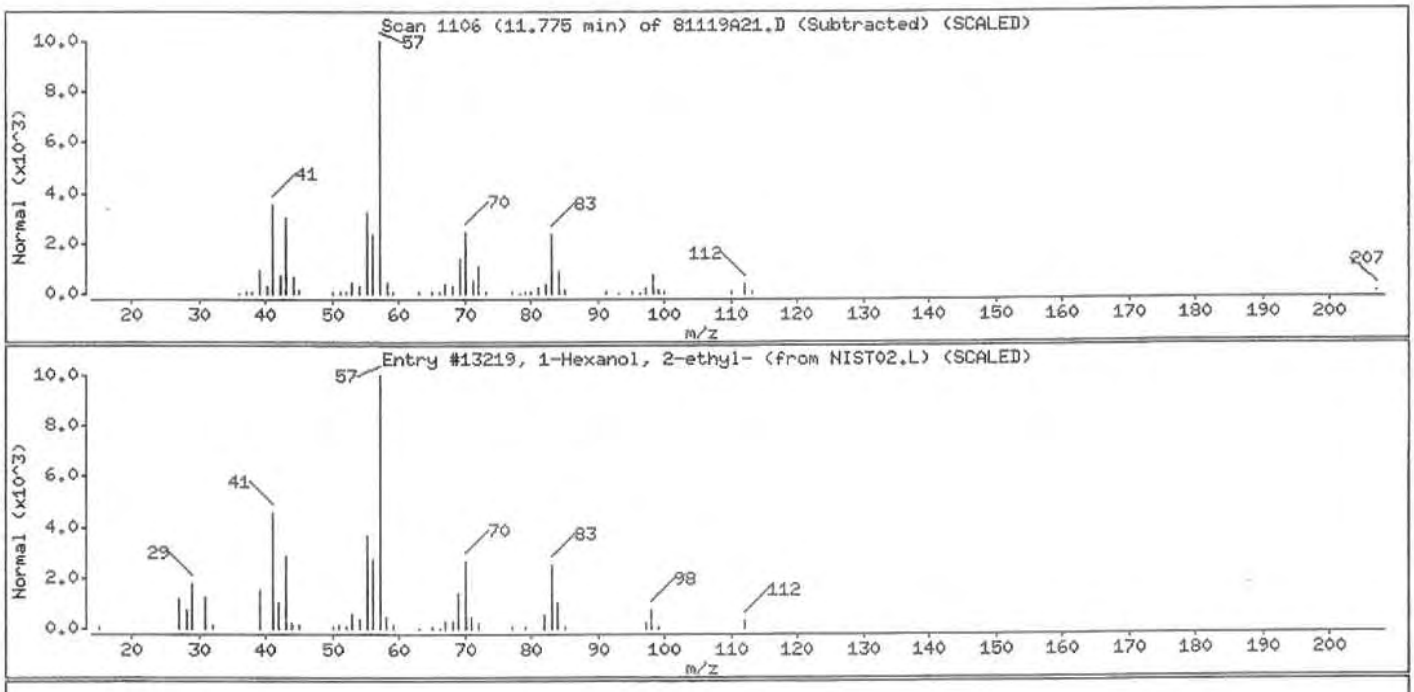
Client ID: Y3QN7 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-005

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.067	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	0.087	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	1.1	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.15	JB
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.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.094	J
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	0.10	J
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.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.62	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A22.D
Lab Smp Id: IK15003-006 Client Smp ID: Y3QN8
Inj Date : 19-NOV-2007 16:14
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-006
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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	1.152	1.152	(0.217)	1662	0.06717	0.0671(a)
$	3 Vinyl Chloride-d3	65	1.243	1.223	(0.234)	71773	9.19513	9.1951(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	80890	8.52699	8.5269(R)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	189300	5.44877	5.4487(R)
	13 1,1-Dichloroethene	96	1.982	1.992	(0.373)	1600	0.08748	0.0874(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	64075	1.08845	1.0884
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.347	2.347	(0.442)	6366	0.24384	0.2438(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	3.633	(0.686)	433312	51.2082	51.2082
	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)	214749	5.94380	5.9438
	31 Chloroform	83	4.088	4.088	(0.769)	5155	0.15339	0.1533(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
	Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	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)	107489	5.78854	5.7885
$	36 Benzene-d6		84	4.726	4.716	(0.511)	489735	6.01148	6.0114
	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)	403078	5.00000	
	42 Trichloroethene		95	5.628	5.628	(0.608)	1886	0.09363	0.0936(a)
$	44 1,2-Dichloropropane-d6	#	67	5.810	5.810	(0.628)	146362	5.44159	5.4415
	43 Methylcyclohexane		83	Compound Not Detected.					
	45 1,2-Dichloropropane		63	Compound Not Detected.					
$	46 1,4-Dioxane-d8		96	6.154	6.124	(1.158)	13224	130.826	130.8257(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)	206750	4.69029	4.6902
	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)	412075	5.82831	5.8283
	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	8.098	8.098	(0.875)	1525	0.10304	0.1030(a)
$	58 2-Hexanone-d5		63	8.291	8.281	(0.896)	453508	55.3613	55.3612
	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)	369929	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)	117244	5.13248	5.1324
	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)	199828	5.00000	
	86 1,4-Dichlorobenzene		146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4		152	11.845	11.845	(1.025)	166327	5.85504	5.8550
	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\8nov1907.b\81119A22.D
Lab Smp Id: IK15003-006 Client Smp ID: Y3QN8
Inj Date : 19-NOV-2007 16:14
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-006
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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

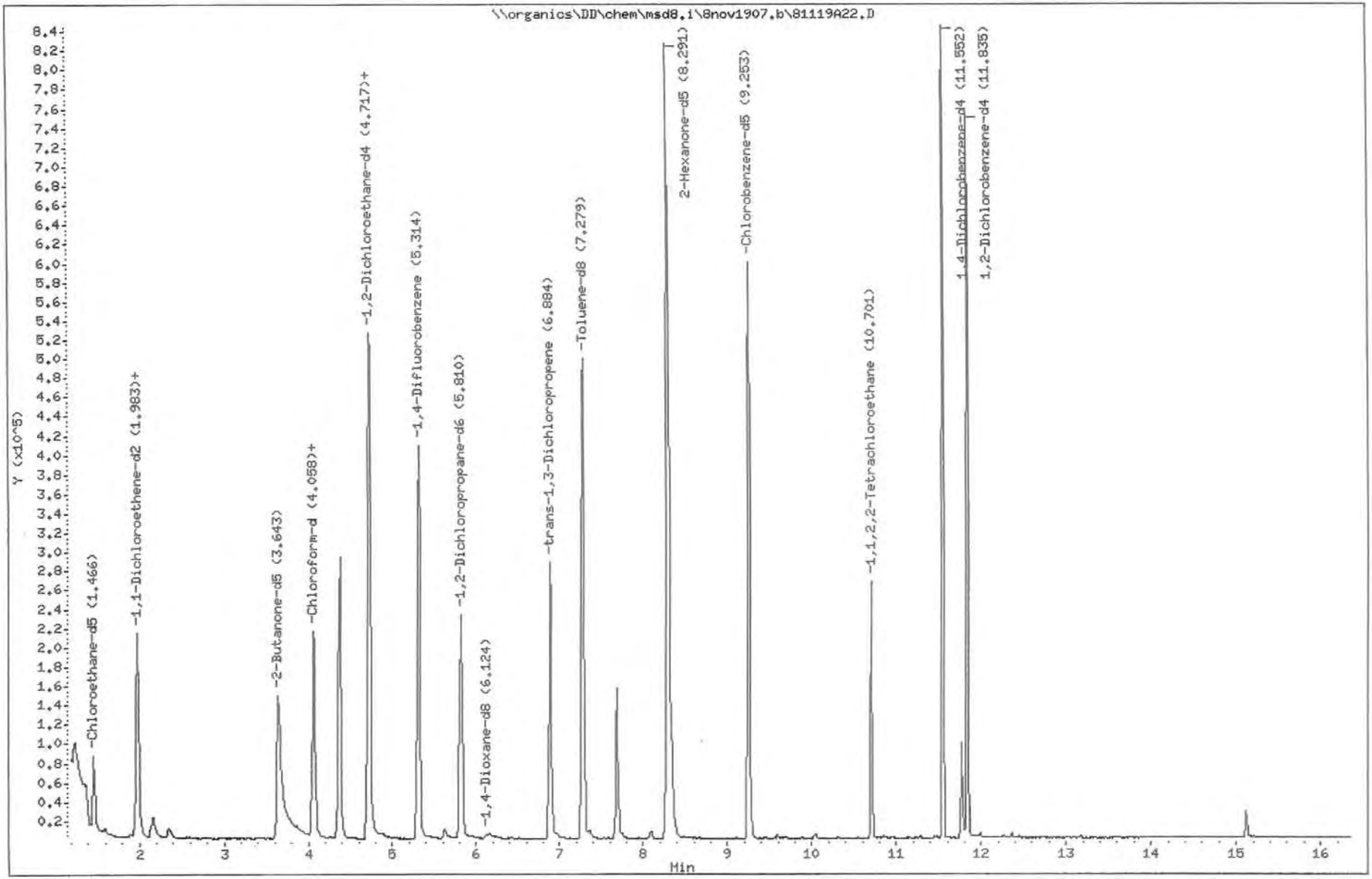
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1125493	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.775	139066	0.61779945	0.6177	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A22.D
Date : 19-NOV-2007 16:14
Client ID: Y3QN8
Sample Info: 8nov1907.b, IK15003-006
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 19-NOV-2007 16:14

Client ID: Y3QN8

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0

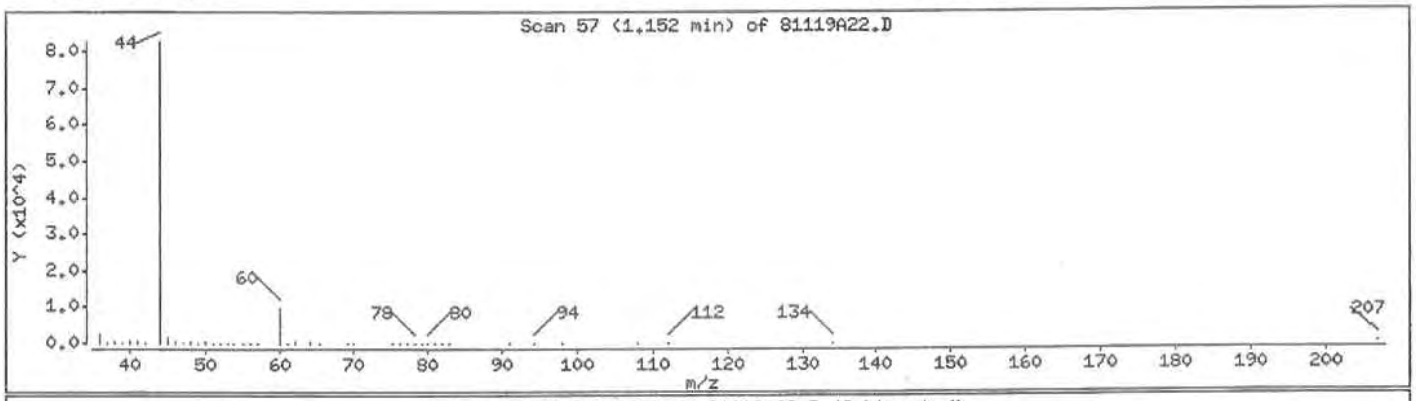
Operator: DLB

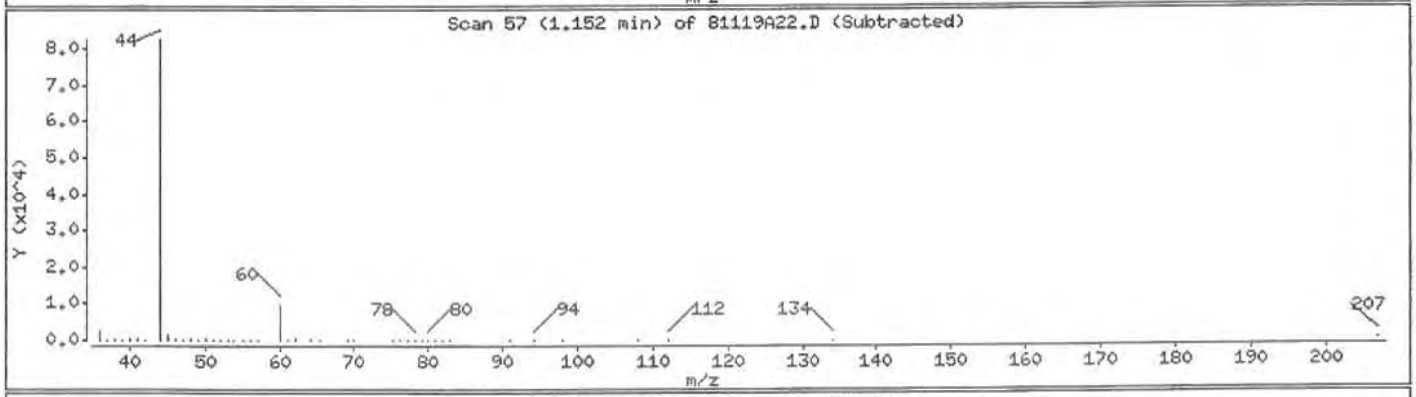
Column phase: DB-624

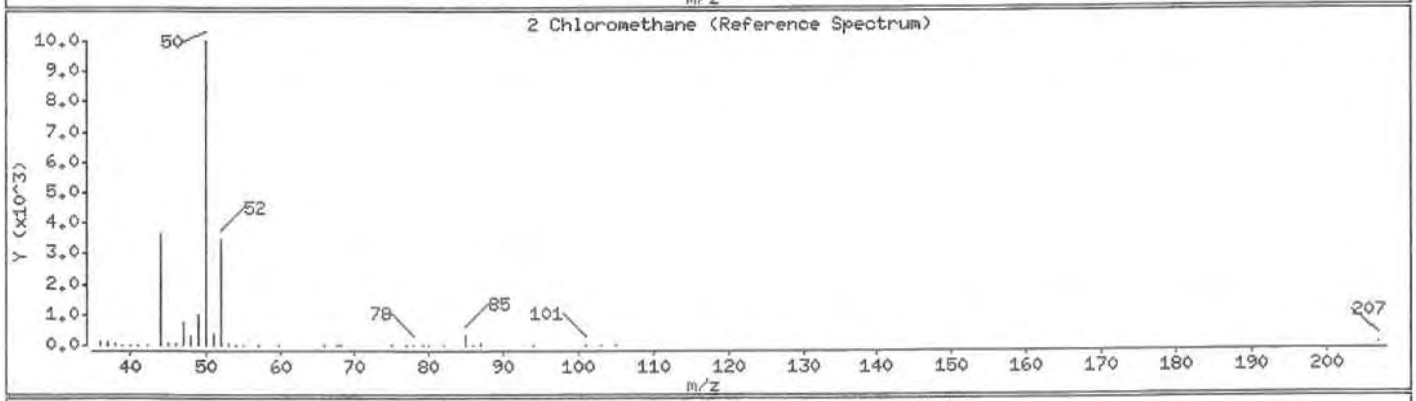
Column diameter: 0.18

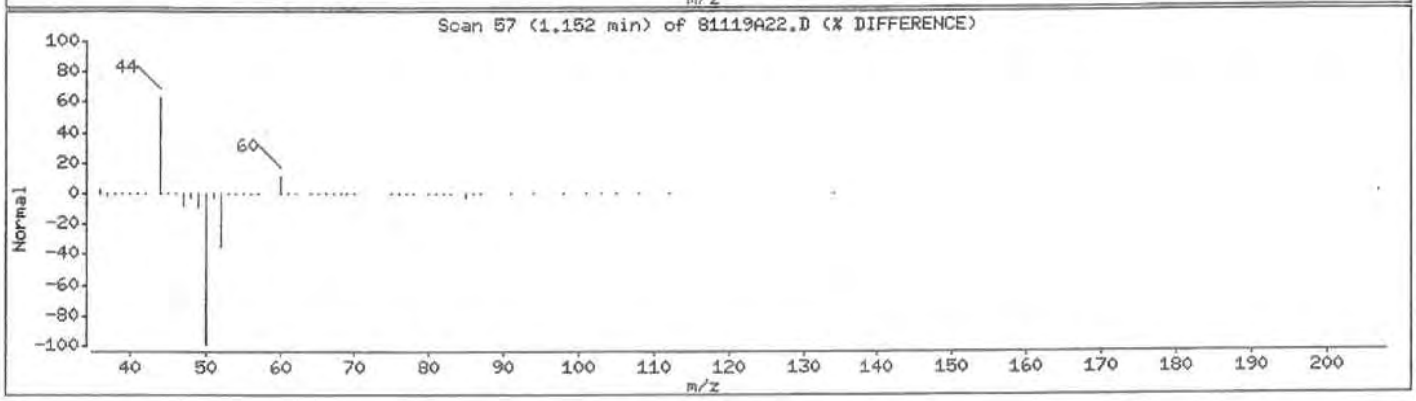
2 Chloromethane

Concentration: 0.0671 ug/L









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Date : 19-NOV-2007 16:14

Client ID: Y3QN8

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0

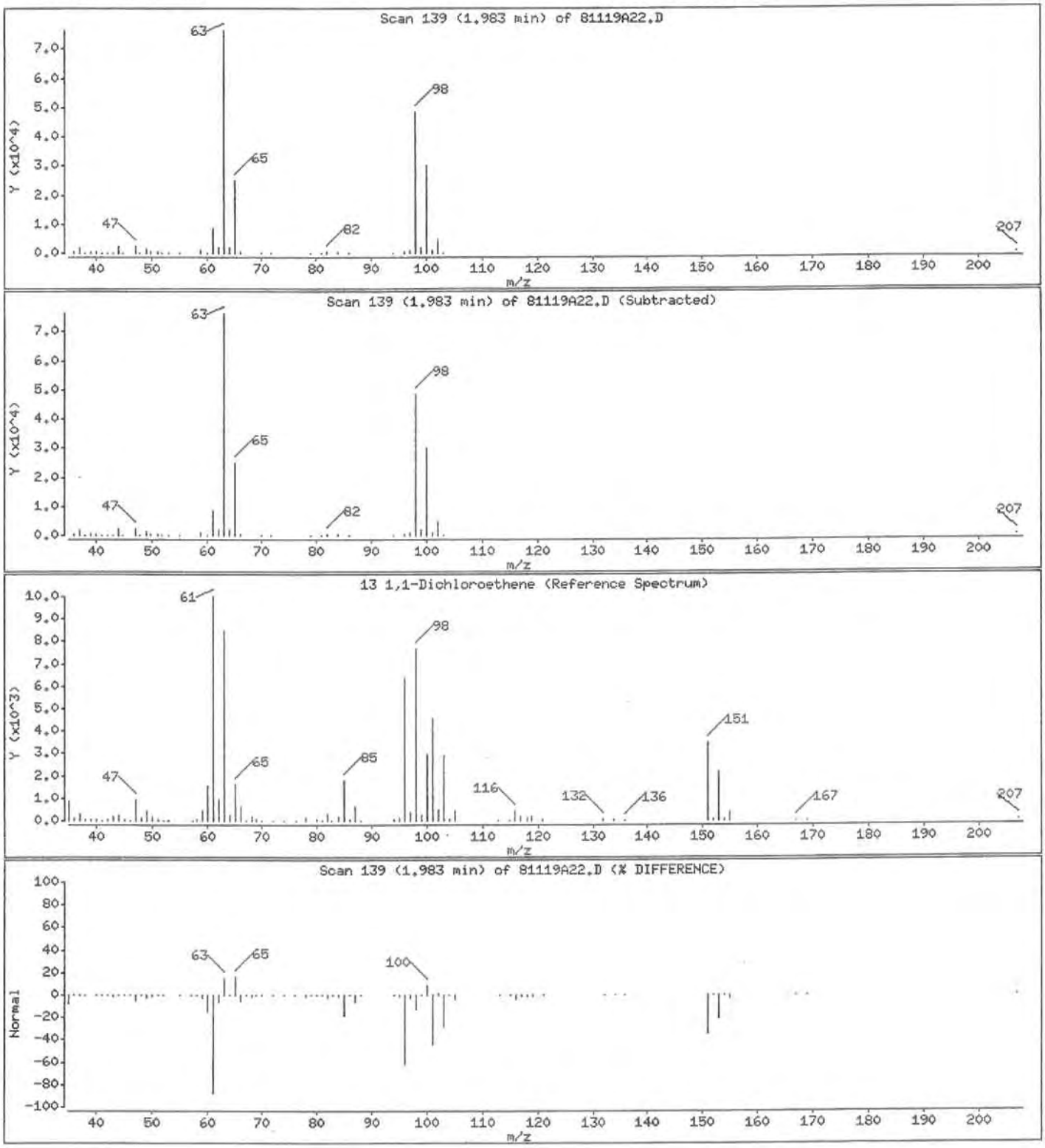
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 0.0874 ug/L



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Date : 19-NOV-2007 16:14

Client ID: Y3QN8

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0

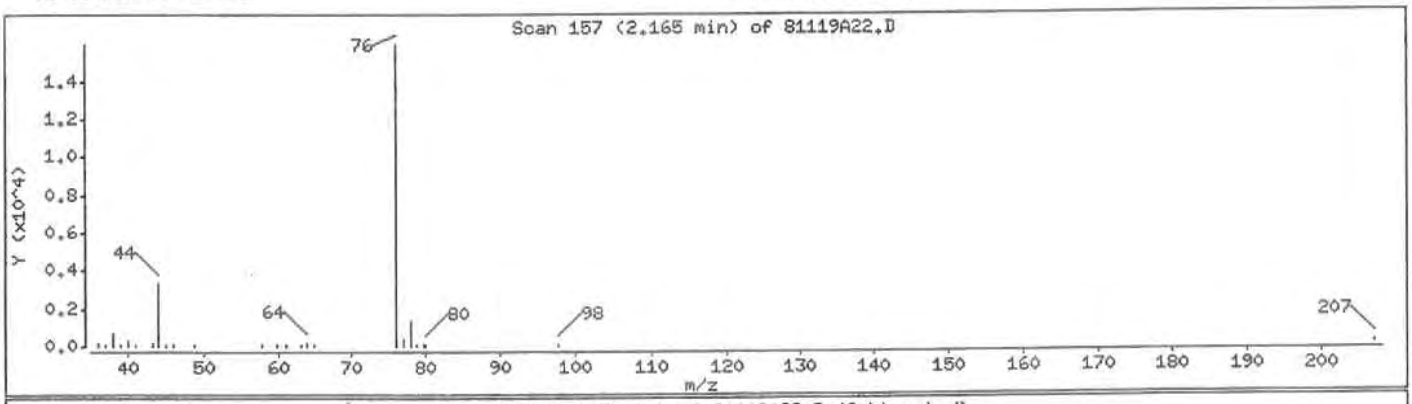
Operator: DLB

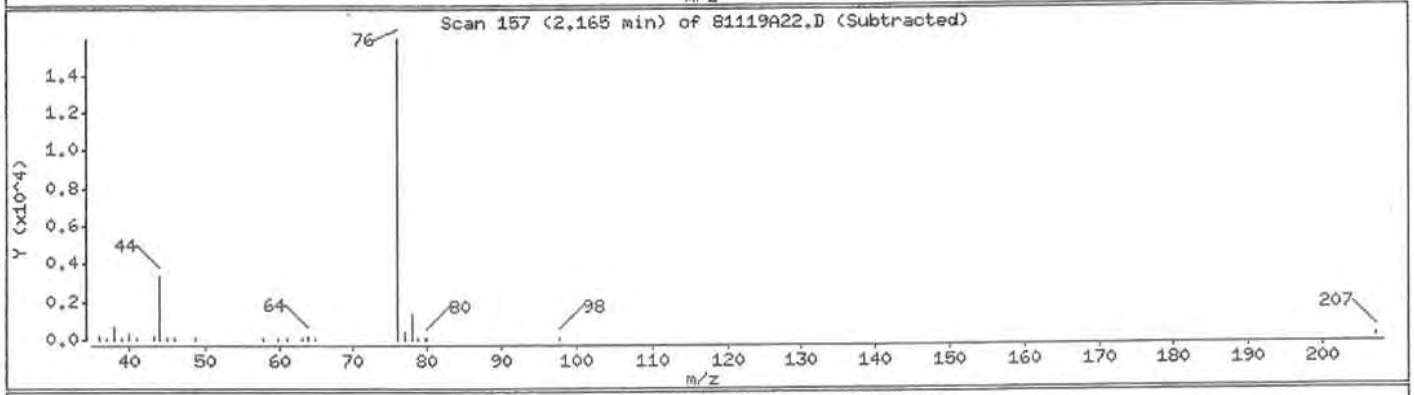
Column phase: DB-624

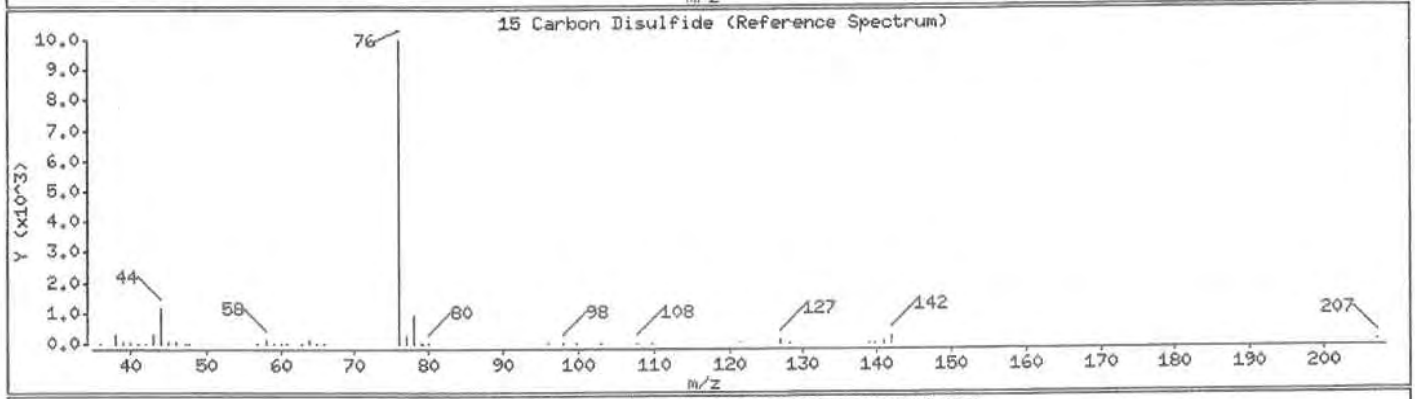
Column diameter: 0.18

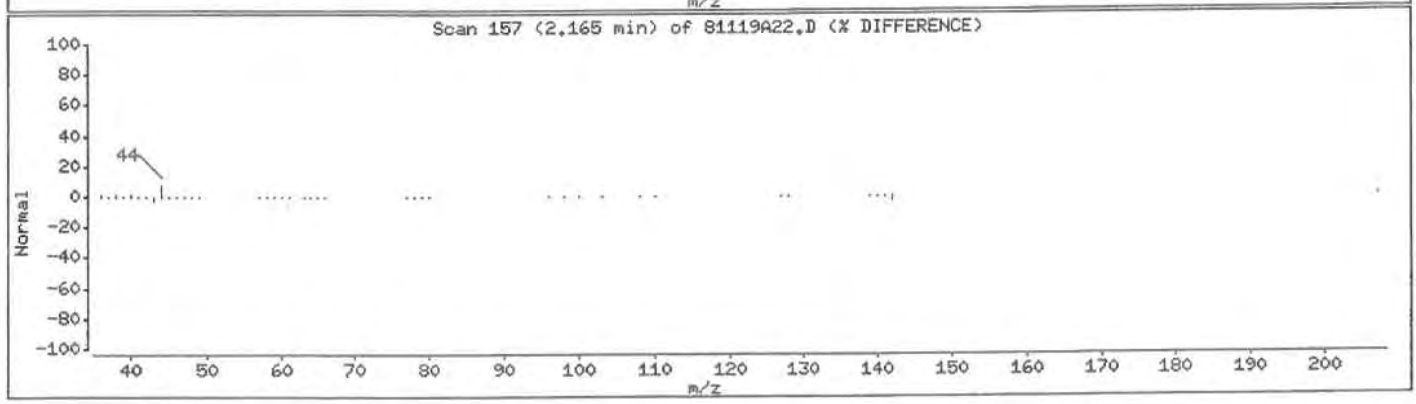
15 Carbon Disulfide

Concentration: 1.0884 ug/L









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Date : 19-NOV-2007 16:14

Client ID: Y3QN8

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0

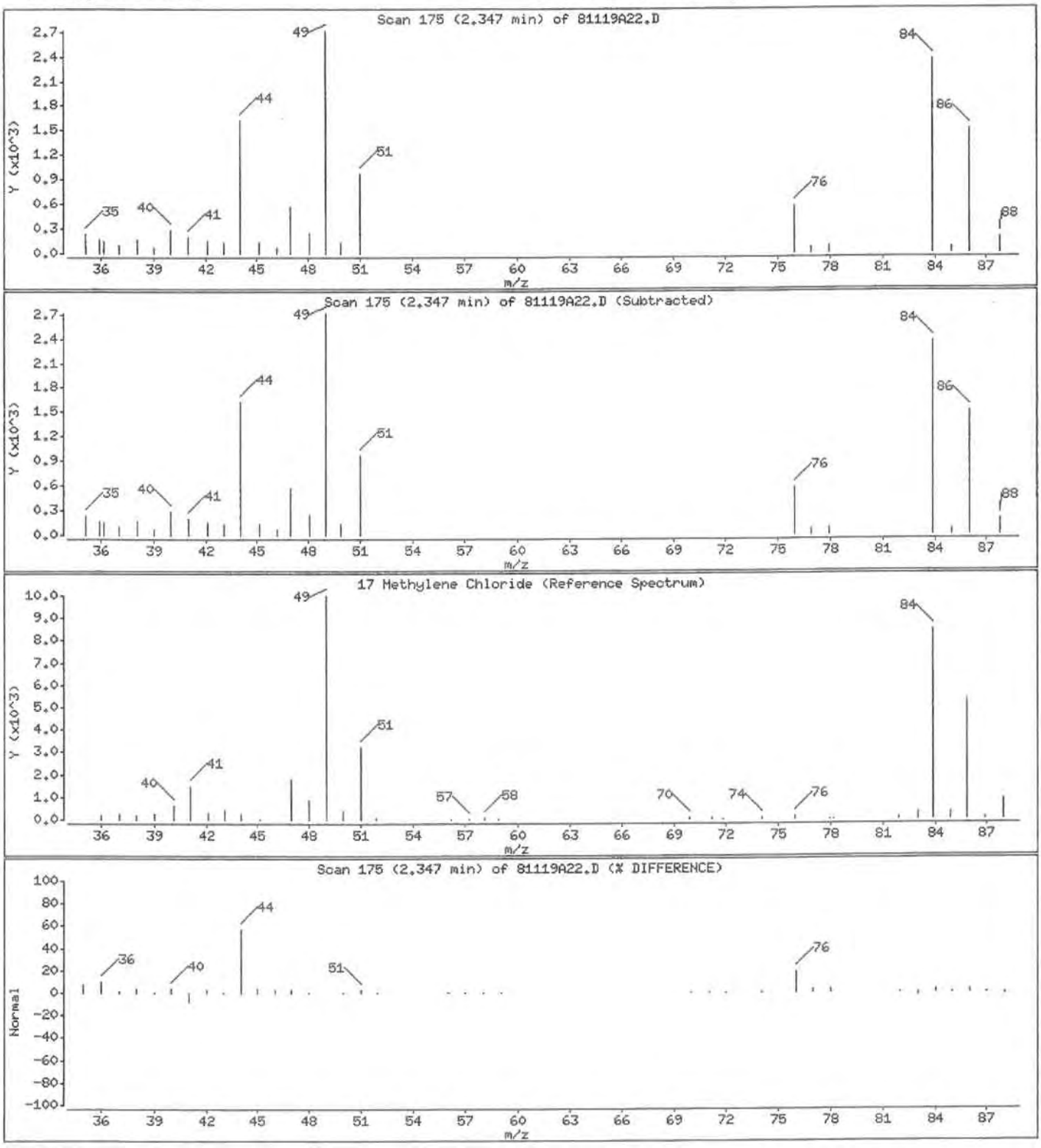
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2438 ug/L



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Date : 19-NOV-2007 16:14

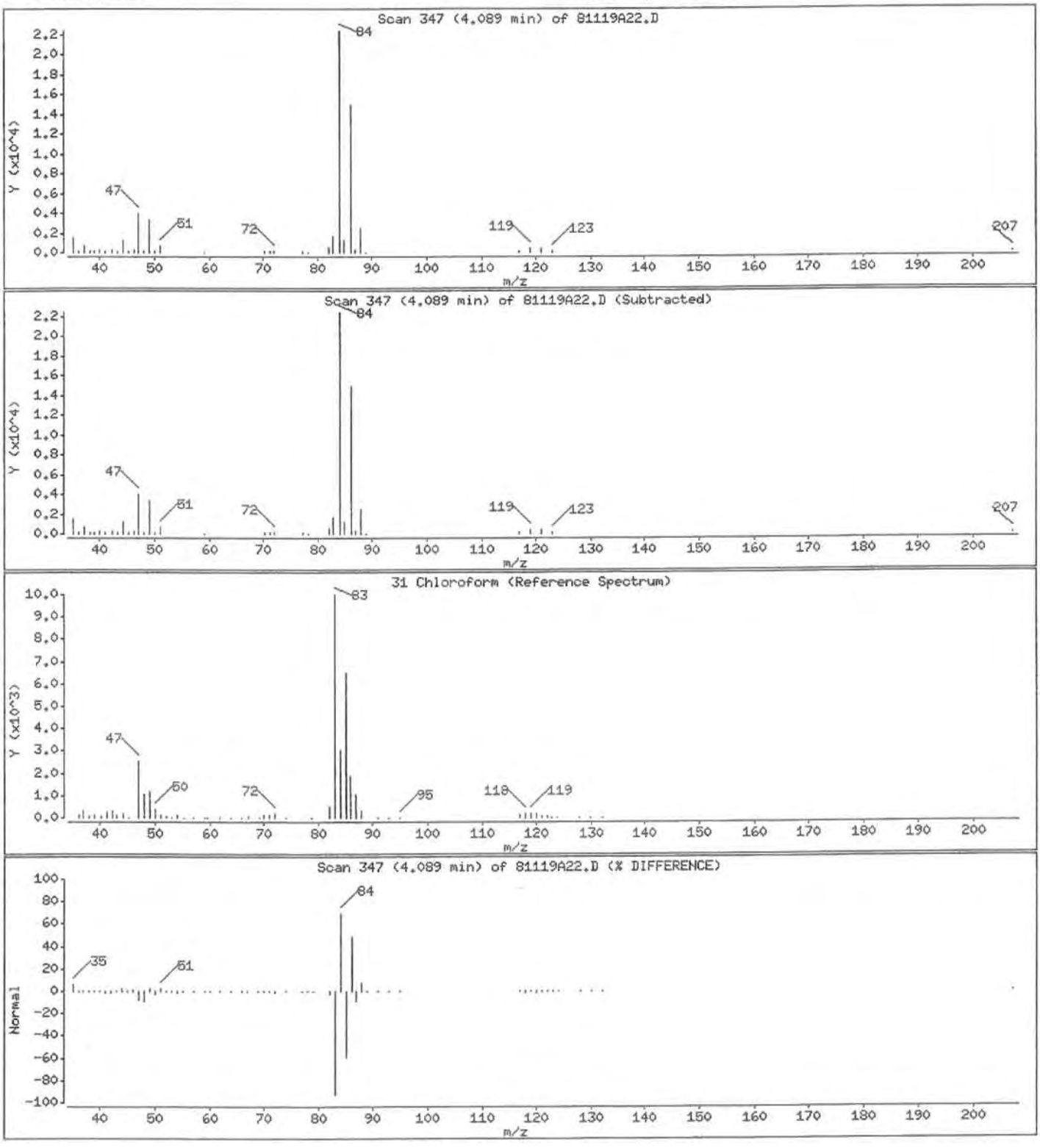
Client ID: Y3QN8 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1533 ug/L



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Date : 19-NOV-2007 16:14

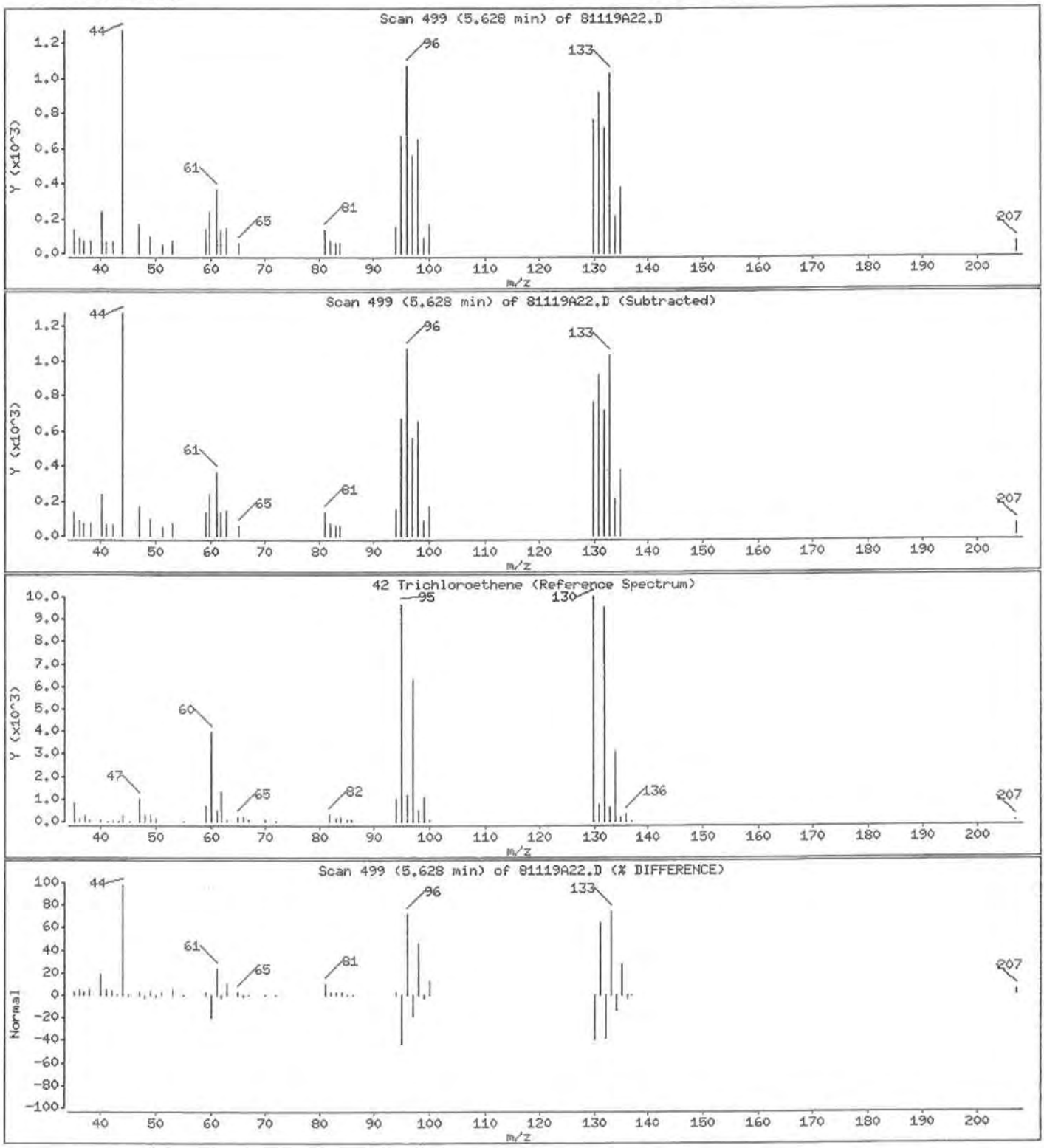
Client ID: Y3QN8 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.0936 ug/L



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Date : 19-NOV-2007 16:14

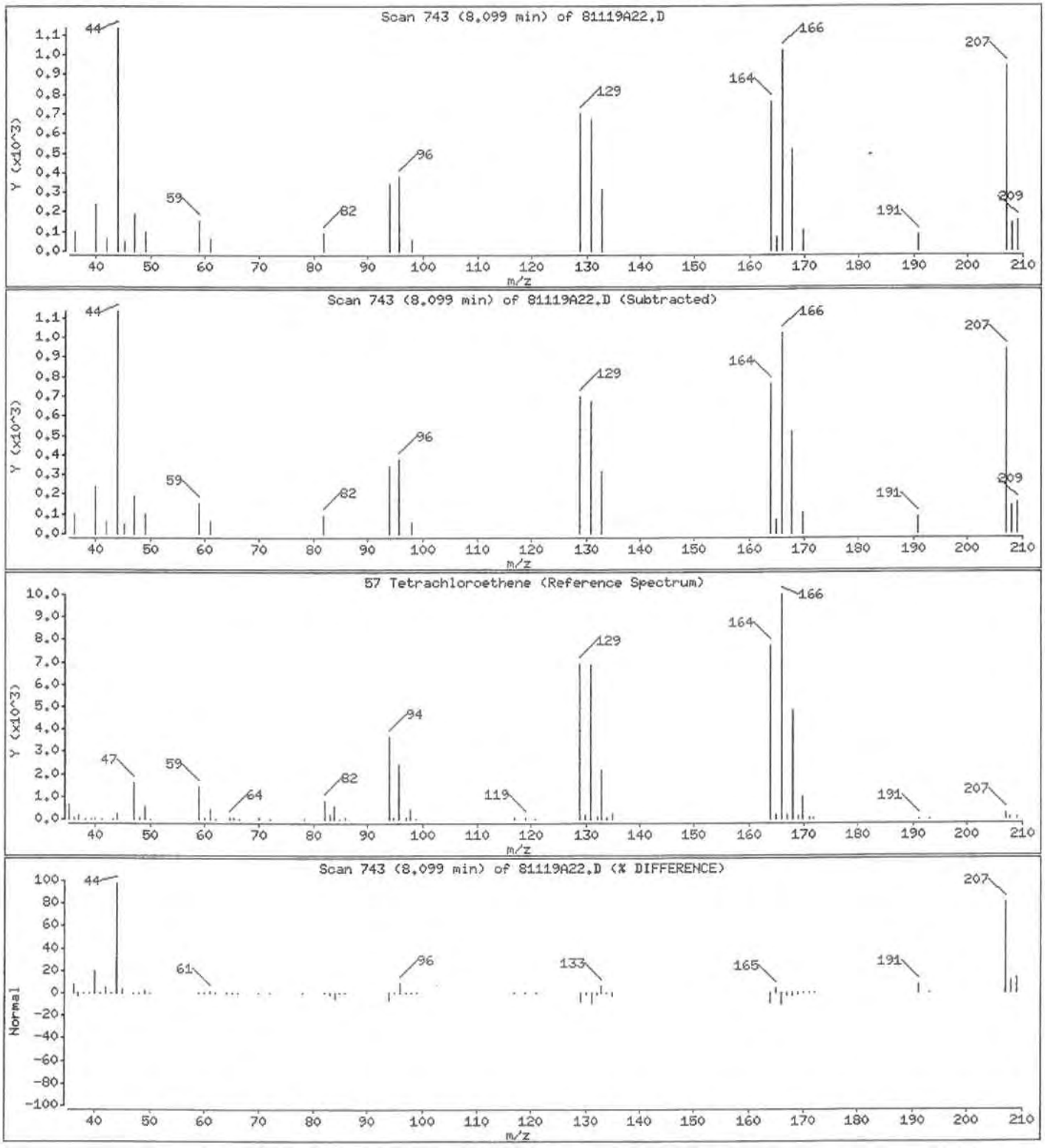
Client ID: Y3QN8 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

57 Tetrachloroethene Concentration: 0.1030 ug/L



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Date : 19-NOV-2007 16:14

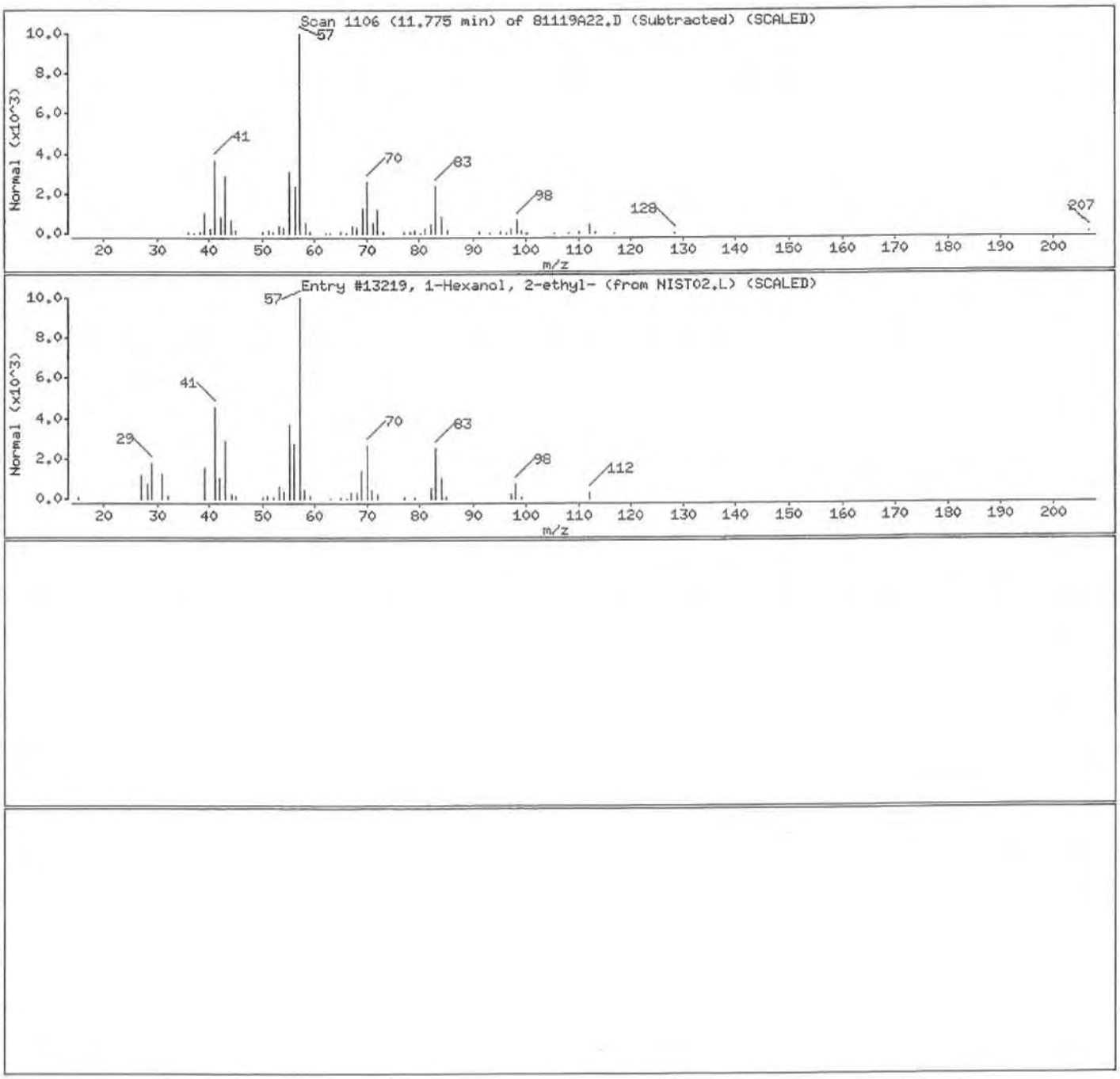
Client ID: Y3QN8 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-006

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	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	0.084	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	0.088	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.25	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	1.7	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.68	B
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.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	3.5	
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	0.061	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	0.063	J
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.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A23.D
Lab Smp Id: IK15003-007 Client Smp ID: Y3QN9
Inj Date : 19-NOV-2007 16:36
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-007
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 14
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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	1.152	1.152	(0.217)	3165	0.12505	0.1250(a)
$ 3	Vinyl Chloride-d3	65	1.223	1.223	(0.230)	70739	8.85882	8.8588(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	82898	8.54211	8.5421(R)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.972	1.982	(0.371)	186763	5.25483	5.2548(R)
13	1,1-Dichloroethene	96	1.982	1.992	(0.373)	1565	0.08364	0.0836(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	Compound Not Detected.					
15	Carbon Disulfide	76	2.164	2.164	(0.407)	5294	0.08791	0.0879(a)
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.347	2.347	(0.442)	6603	0.24723	0.2472(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	3.633	(0.686)	520198	60.0935	60.0935
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	37821	1.70342	1.7034
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.058	4.058	(0.764)	228598	6.18480	6.1847(R)
31	Chloroform	83	4.088	4.088	(0.769)	23497	0.68343	0.6834
33	1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	116786	6.14775	6.1477
$	36	Benzene-d6	84	4.726	4.716	(0.511)	514079	6.19284	6.1928
	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)	412353	5.00000	
	42	Trichloroethene	95	5.627	5.628	(0.608)	71748	3.49551	3.4955
$	44	1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	152735	5.57282	5.5728
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.103	6.124	(1.149)	19129	184.988	184.9875(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)	231047	5.14392	5.1439
	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)	423281	5.87536	5.8753
	53	Toluene	91	7.359	7.359	(0.795)	5099	0.06122	0.0612(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	8.291	8.281	(0.896)	497489	59.5997	59.5996
	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)	376946	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)	128787	5.53284	5.5328
	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)	203901	5.00000	
	86	1,4-Dichlorobenzene	146	11.561	11.562	(1.001)	3046	0.06277	0.0627(aQ)
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	175089	6.04036	6.0403
	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.

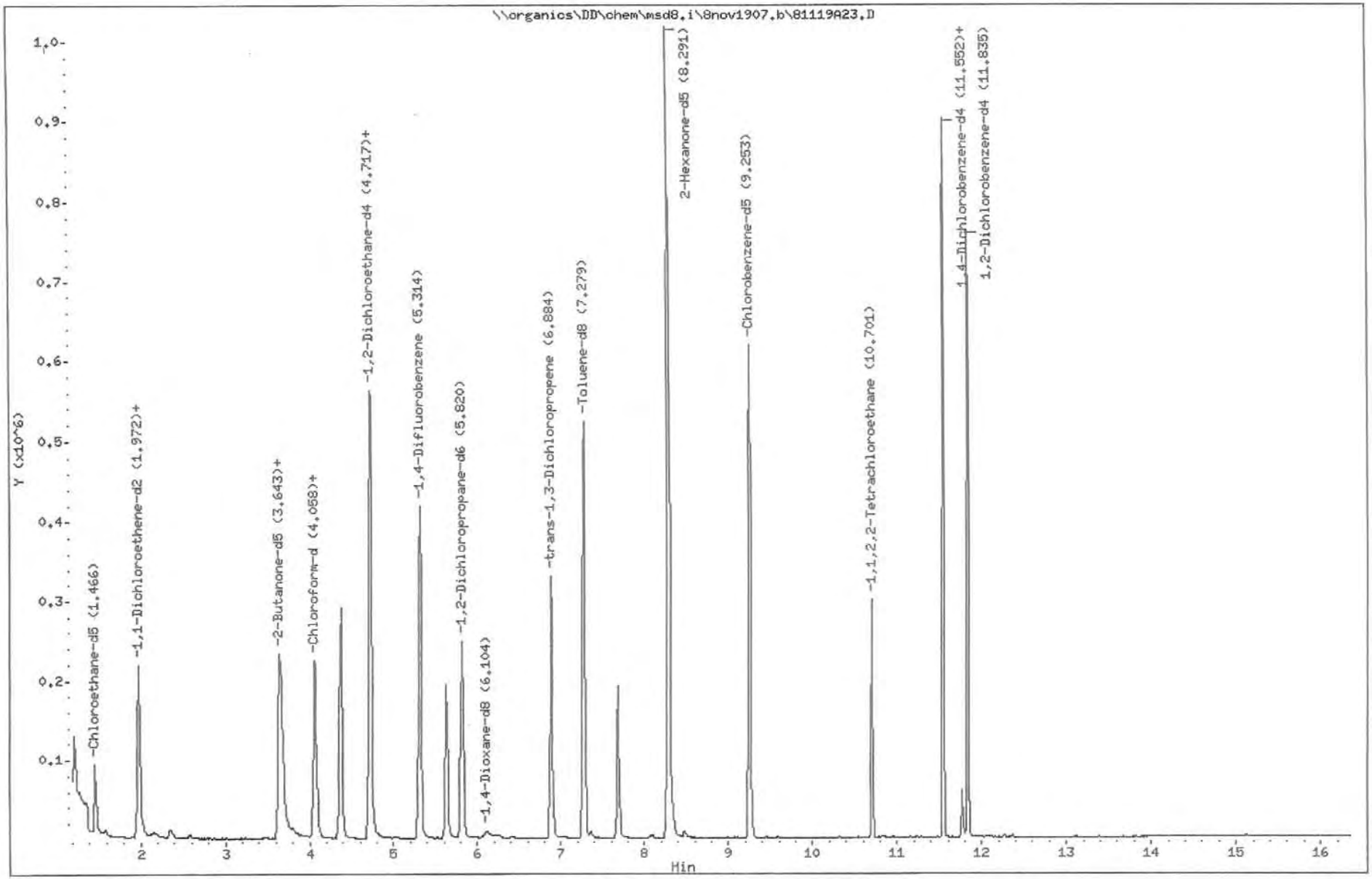
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A23.D
Lab Smp Id: IK15003-007 Client Smp ID: Y3QN9
Inj Date : 19-NOV-2007 16:36
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK15003-007
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 14
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\8nov1907.b\81119A23.D
Date : 19-NOV-2007 16:36
Client ID: Y3QN9
Sample Info: 8nov1907.b, IK15003-007
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 19-NOV-2007 16:36

Client ID: Y3QN9

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0

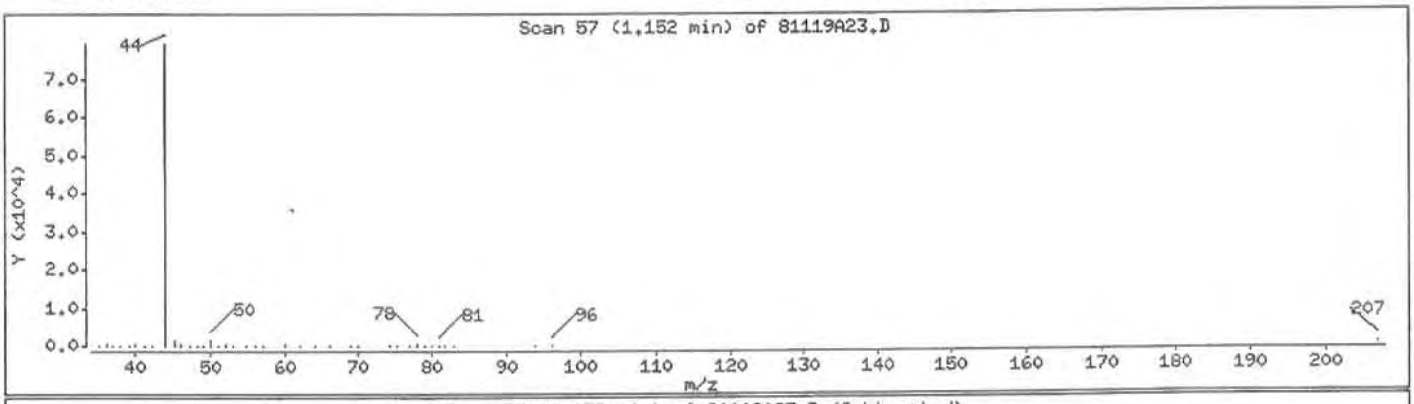
Operator: DLB

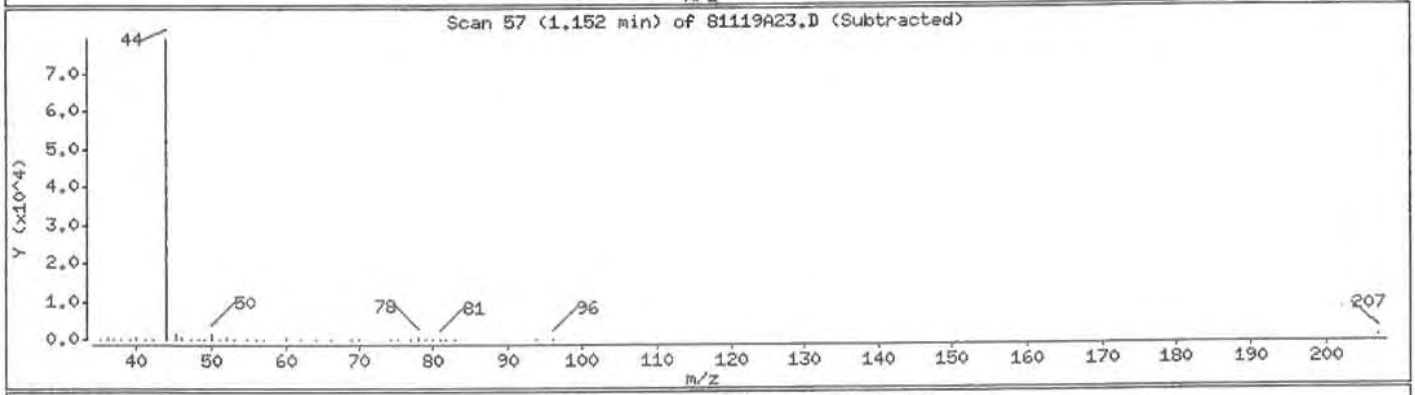
Column phase: DB-624

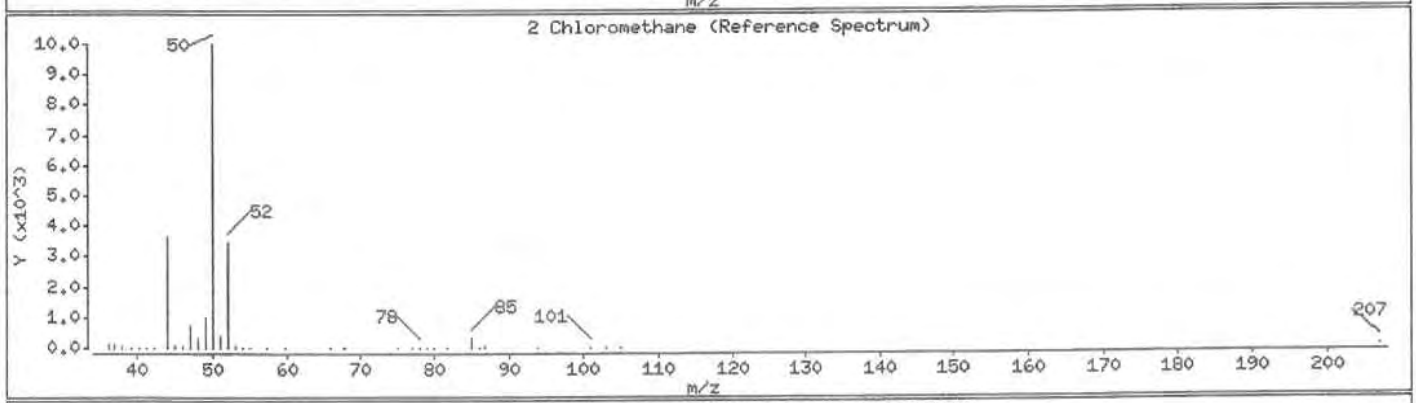
Column diameter: 0.18

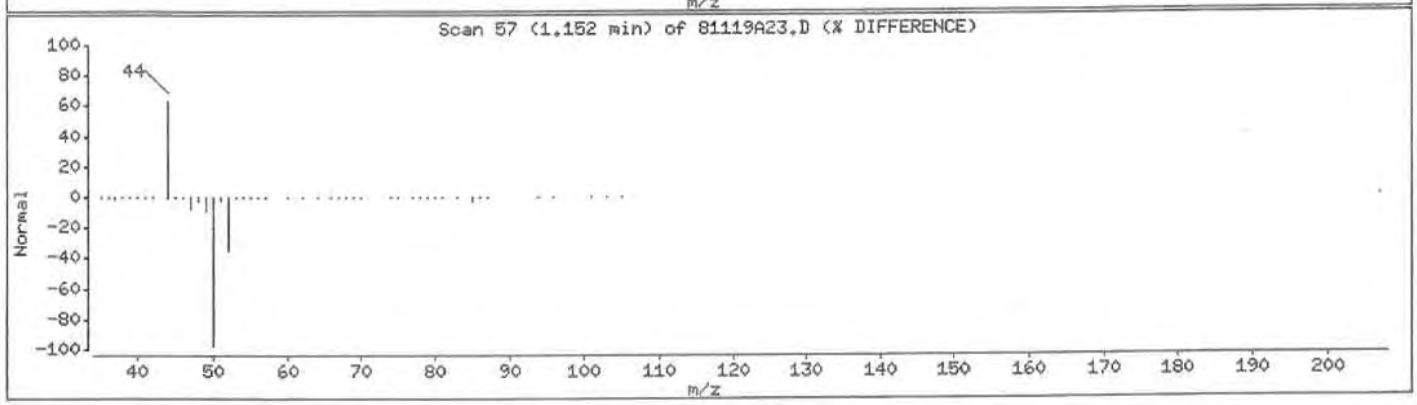
2 Chloromethane

Concentration: 0.1250 ug/L









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Date : 19-NOV-2007 16:36

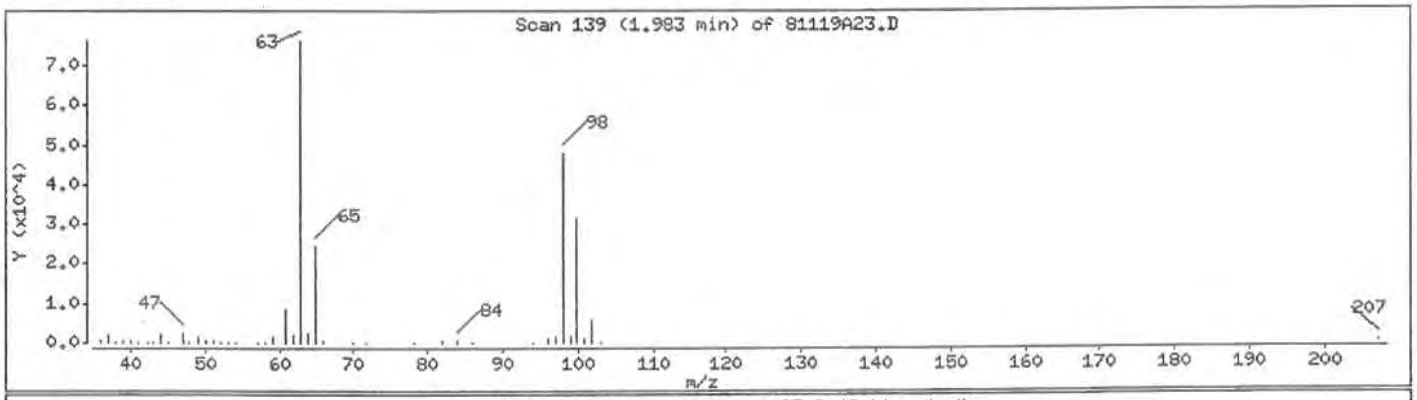
Client ID: Y3QN9 Instrument: msd8.i

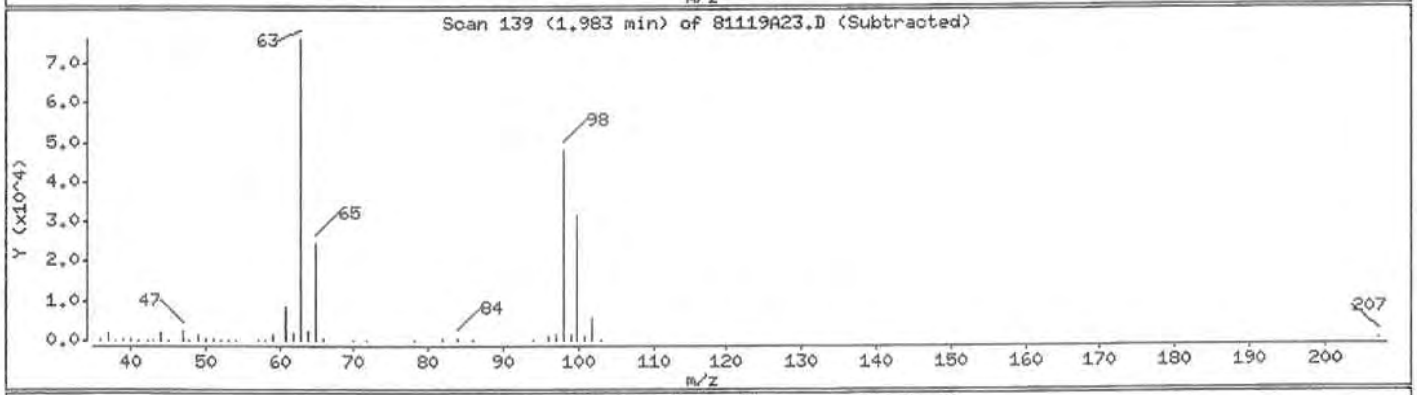
Sample Info: 8nov1907.b, IK15003-007

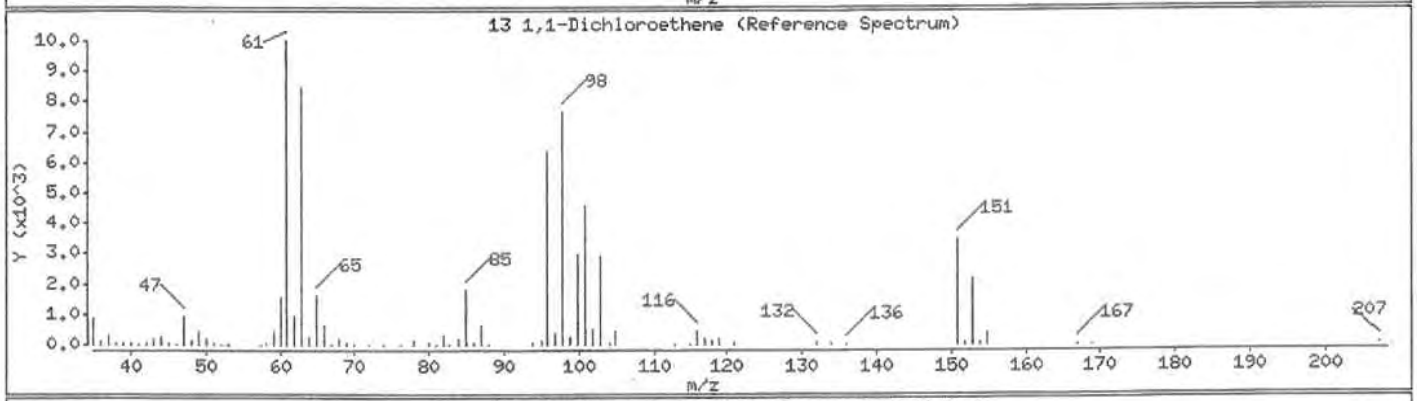
Purge Volume: 25.0 Operator: DLB

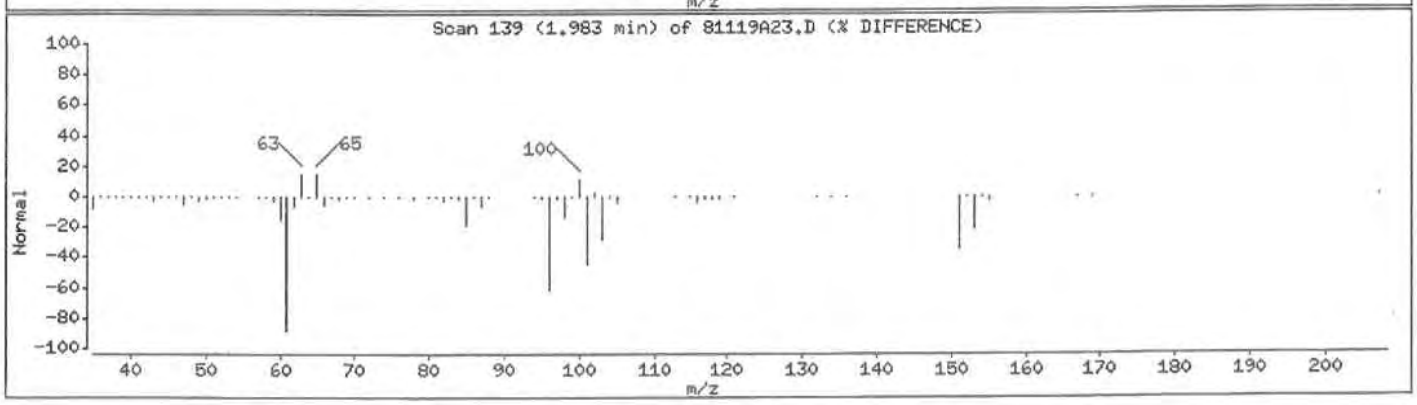
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0836 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A23.D

Date : 19-NOV-2007 16:36

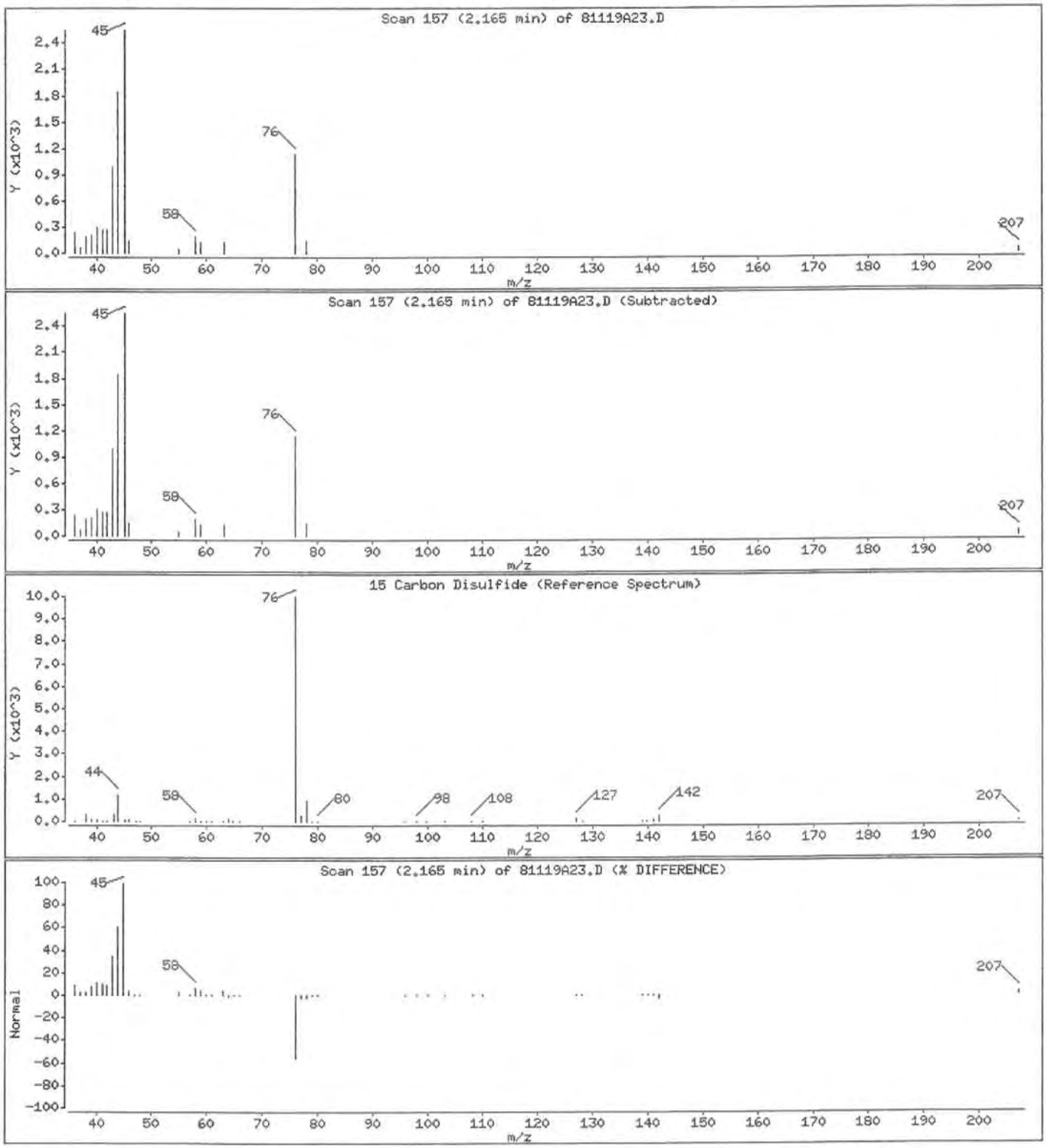
Client ID: Y3QN9 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 0.0879 ug/L



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Date : 19-NOV-2007 16:36

Client ID: Y3QN9

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0

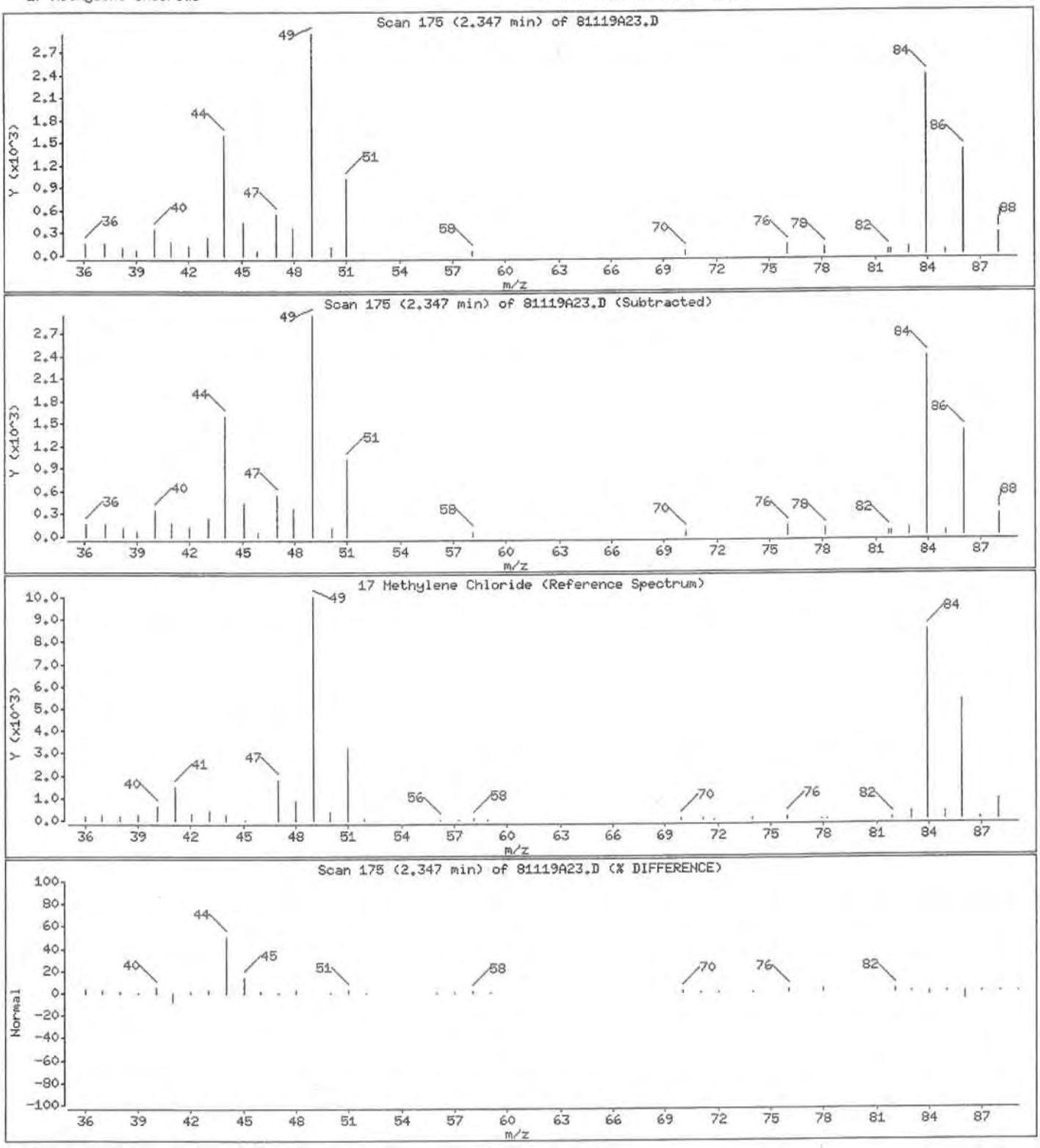
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2472 ug/L



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Date : 19-NOV-2007 16:36

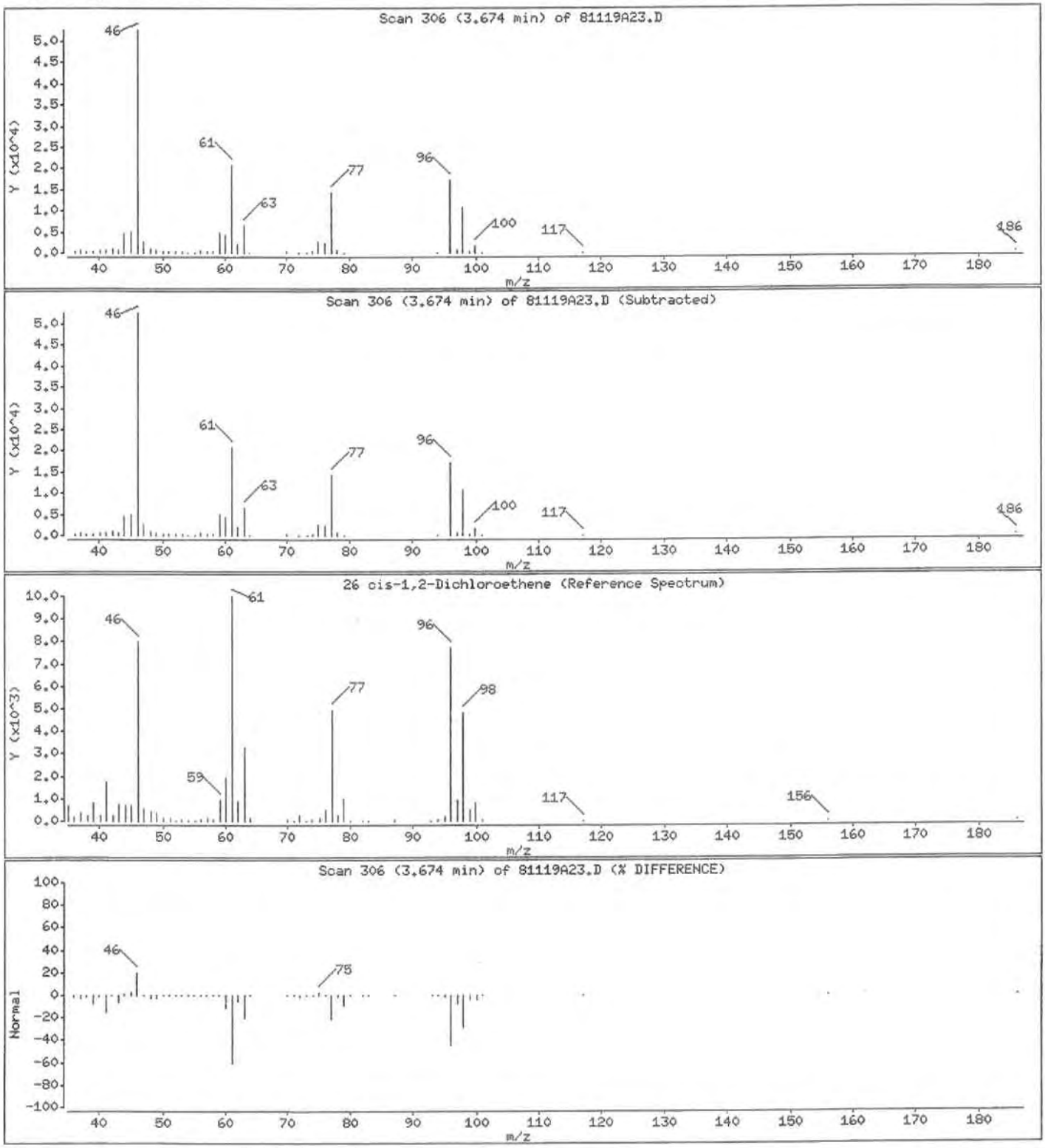
Client ID: Y3QN9 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

26 cis-1,2-Dichloroethene Concentration: 1.7034 ug/L



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Date : 19-NOV-2007 16:36

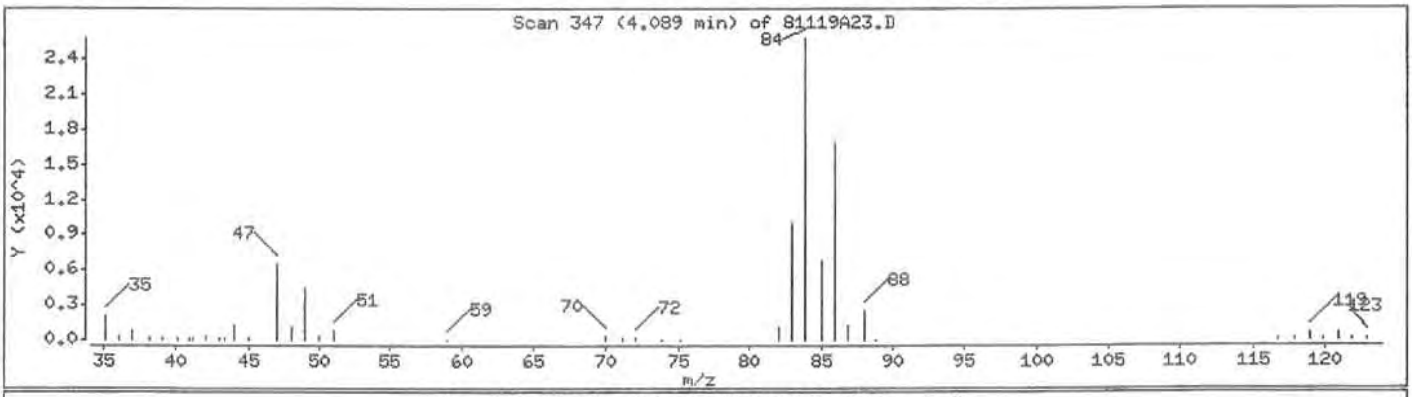
Client ID: Y3QN9 Instrument: msd8.i

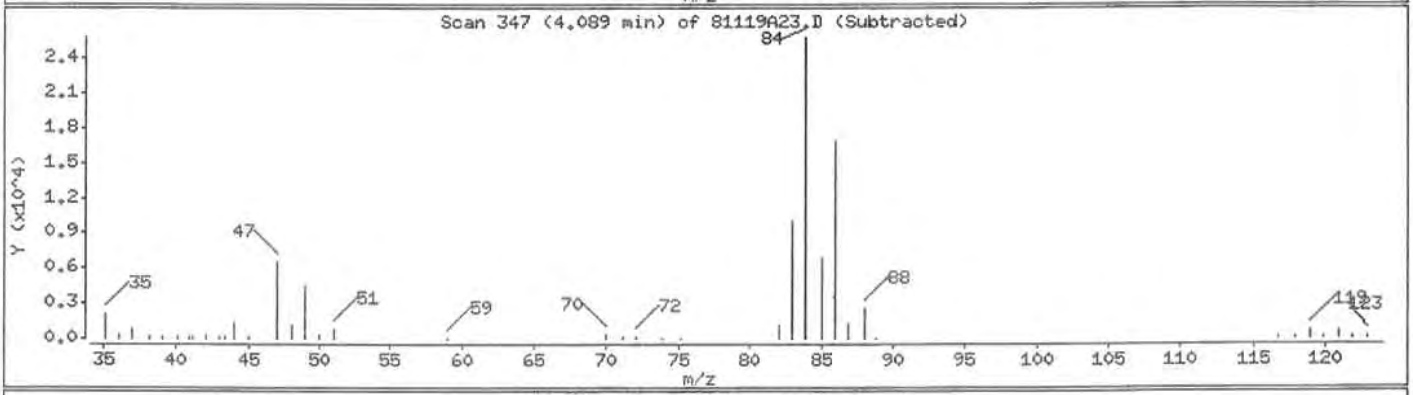
Sample Info: 8nov1907.b, IK15003-007

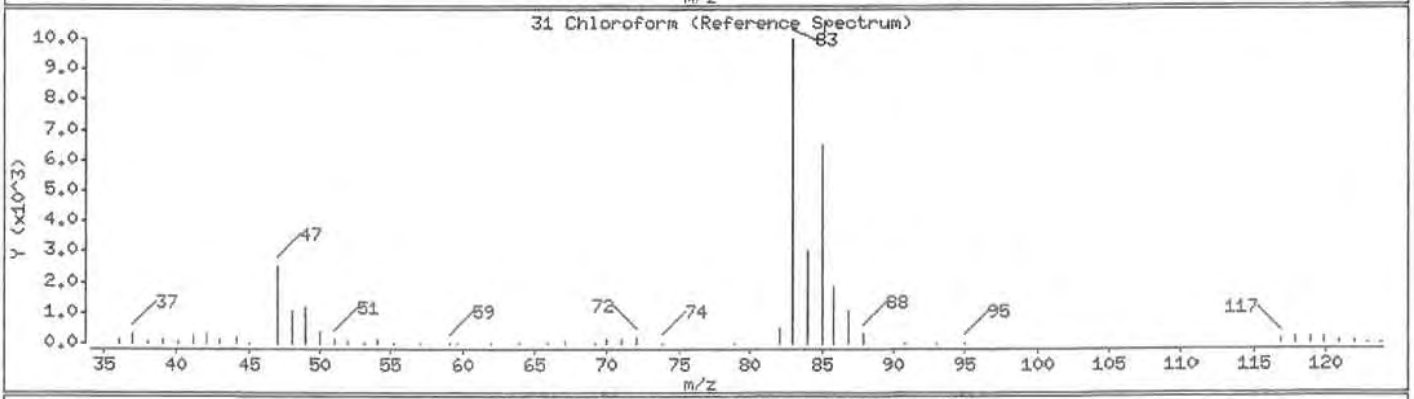
Purge Volume: 25.0 Operator: DLB

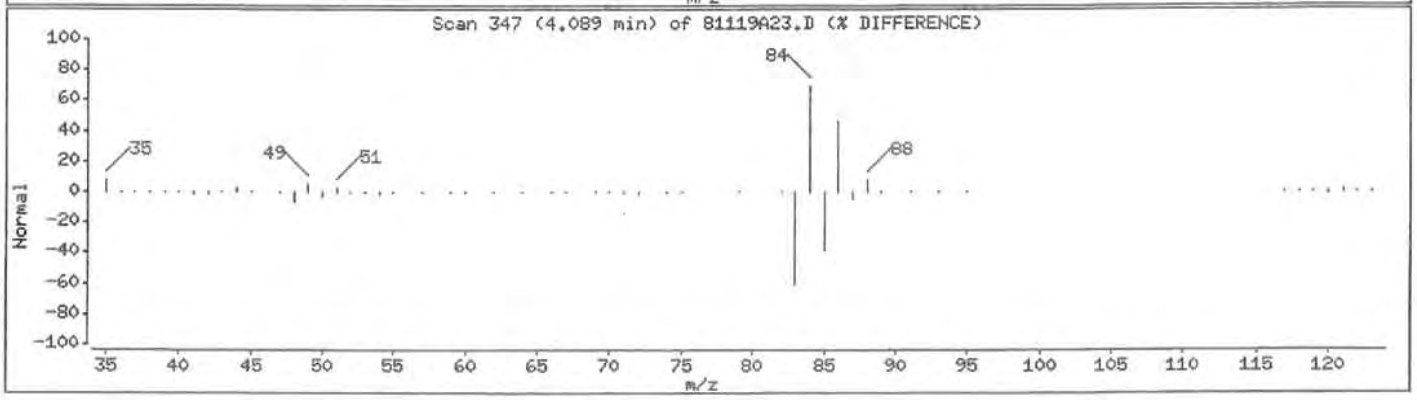
Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.6834 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A23.D

Date : 19-NOV-2007 16:36

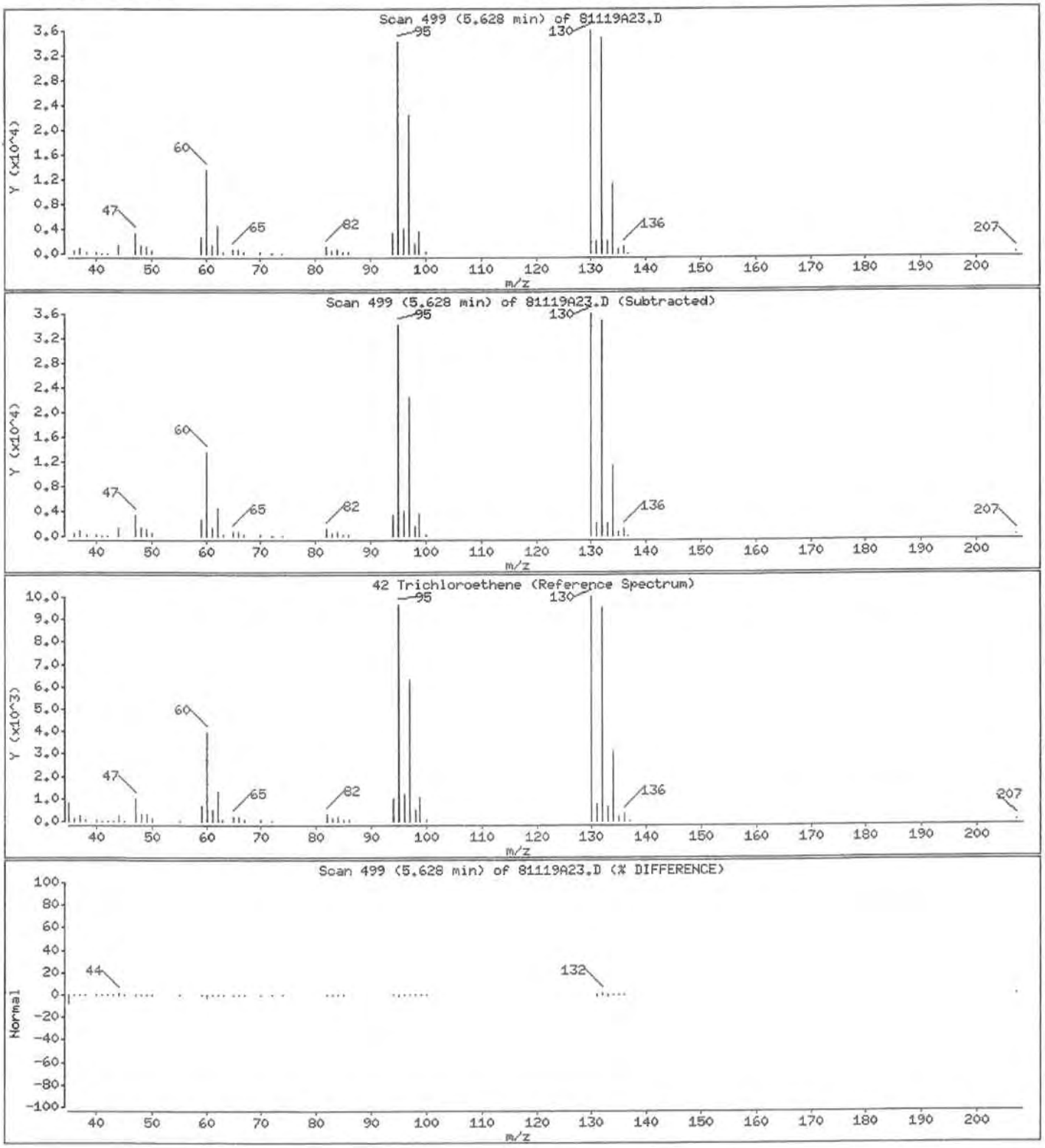
Client ID: Y3QN9 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 3.4955 ug/L



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Date : 19-NOV-2007 16:36

Client ID: Y3QN9

Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0

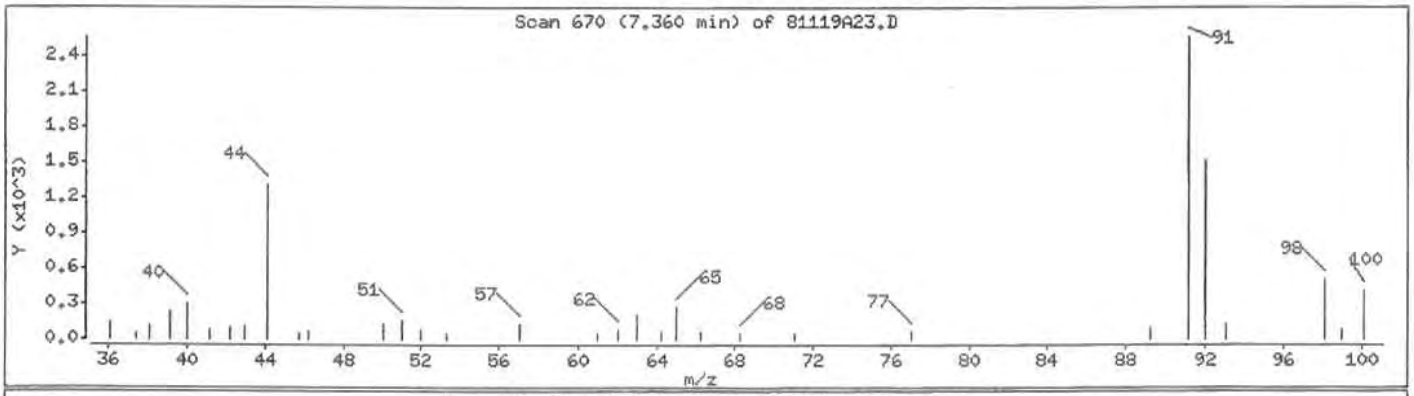
Operator: DLB

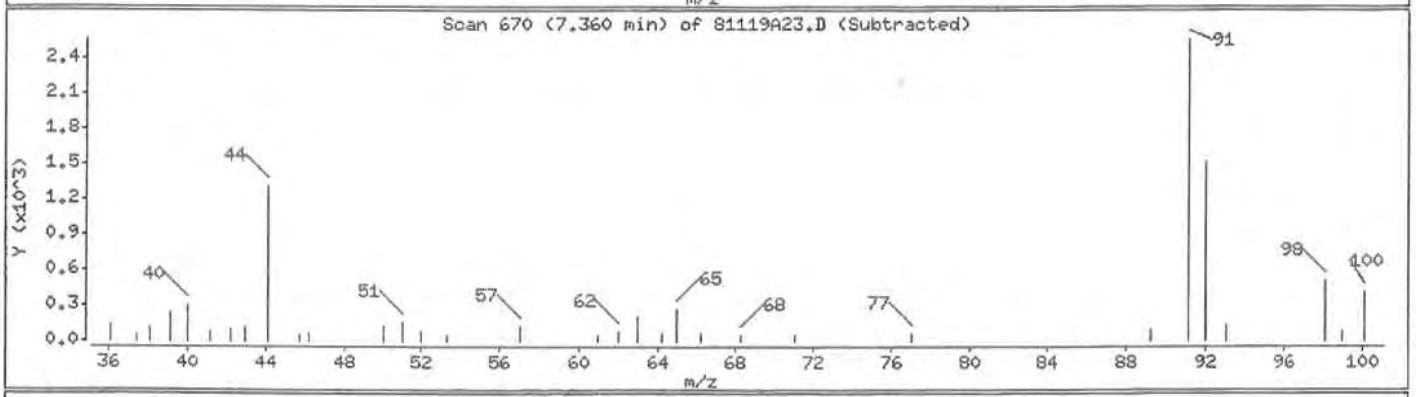
Column phase: DB-624

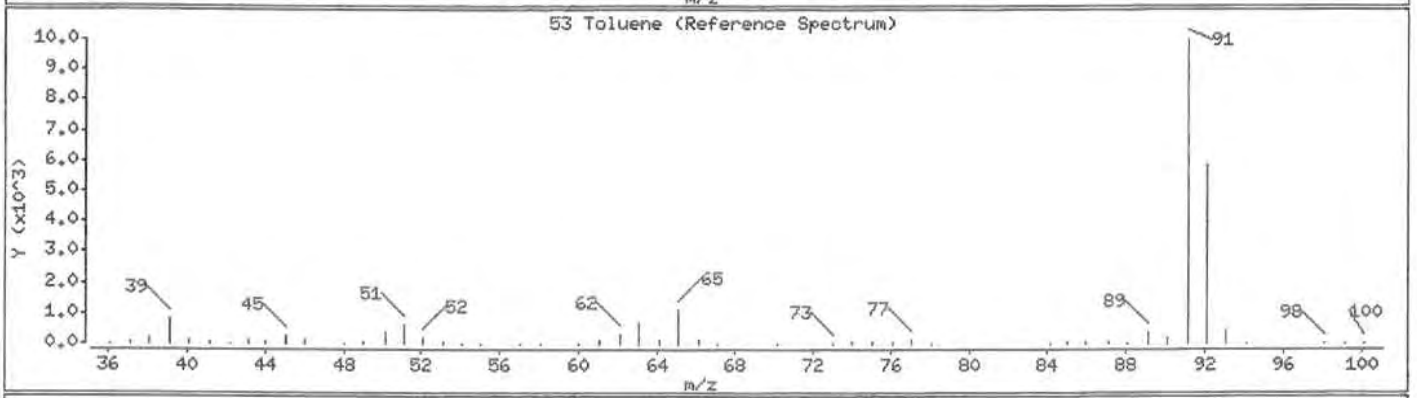
Column diameter: 0.18

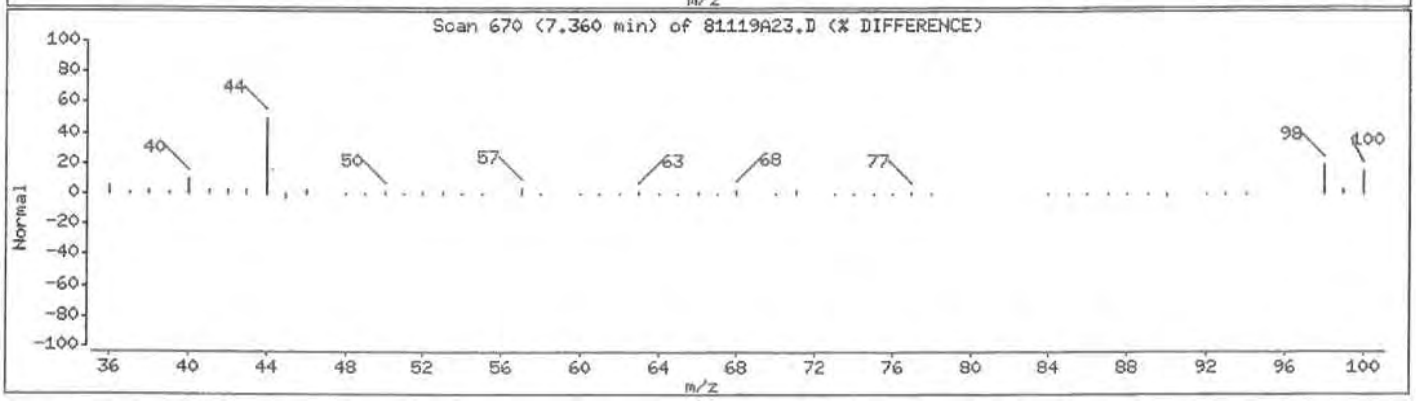
53 Toluene

Concentration: 0.0612 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A23.D

Date : 19-NOV-2007 16:36

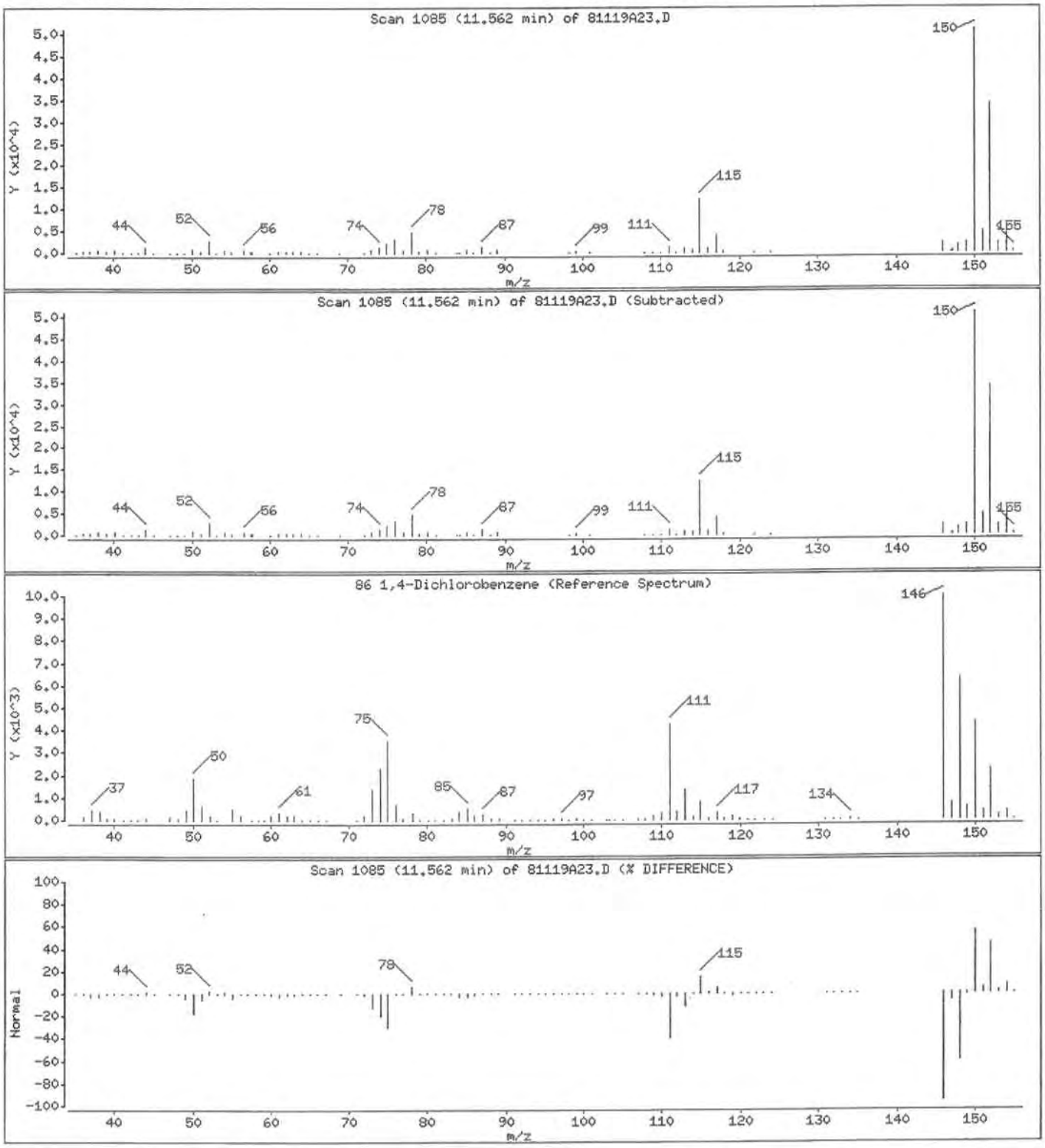
Client ID: Y3QN9 Instrument: msd8.i

Sample Info: 8nov1907.b, IK15003-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

86 1,4-Dichlorobenzene Concentration: 0.0627 ug/L



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

EPA SAMPLE NO.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.15	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	0.092	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	59	
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.29	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.067	J
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.5	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.13	JB
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.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.21	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	0.071	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.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	12	

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.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.54	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D
Lab Smp Id: IK16006-001 Client Smp ID: Y3QP0
Inj Date : 19-NOV-2007 16:58
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK16006-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 15
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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	1.152	1.152	(0.217)	3819	0.15484	0.1548(a)
$ 3	Vinyl Chloride-d3	65	1.222	1.223	(0.230)	68122	8.75469	8.7546(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.465	1.466	(0.276)	76823	8.12361	8.1236(R)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	185284	5.34985	5.3498(QR)
13	1,1-Dichloroethene	96	1.982	1.992	(0.373)	1672	0.09171	0.0917(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.022	2.023	(0.381)	286412	58.8585	58.8584
15	Carbon Disulfide	76	Compound Not Detected.					
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.346	2.347	(0.442)	7497	0.28806	0.2880(a)
20	Methyl tert-Butyl Ether	73	2.579	2.580	(0.485)	3835	0.06697	0.0669(aQ)
21	trans-1,2-Dichloroethene	96	Compound Not Detected.					
23	1,1-Dichloroethane	63	Compound Not Detected.					
$ 25	2-Butanone-d5	46	3.643	3.633	(0.686)	484224	57.4040	57.4039
26	cis-1,2-Dichloroethene	96	Compound Not Detected.					
28	2-Butanone	43	3.713	3.714	(0.699)	21424	2.45367	2.4536(a)
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.068	4.058	(0.766)	211939	5.88438	5.8843
31	Chloroform	83	4.088	4.088	(0.769)	4251	0.12688	0.1268(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)	108446	5.85835	5.8583
$	36		Benzene-d6	84	4.726	4.716	(0.511)	478134	5.90450	5.9044
	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)	401821	5.00000	
	42		Trichloroethene	95	Compound Not Detected.					
$	44		1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	141384	5.28823	5.2882
	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)	25307	251.147	251.1467
	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)	216968	4.95180	4.9518
	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)	397128	5.65080	5.6507
	53		Toluene	91	7.359	7.359	(0.795)	17026	0.20956	0.2095(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	8.291	8.281	(0.896)	455001	55.8787	55.8787
	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)	367710	5.00000	
	64		Chlorobenzene	112	Compound Not Detected.					
	65		Ethylbenzene	91	Compound Not Detected.					
	67		m+p-Xylenes	106	9.597	9.597	(1.037)	2464	0.07098	0.0709(a)
	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)	118580	5.22229	5.2222
	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)	202178	5.00000	
	86		1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87		1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	161727	5.62694	5.6269
	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	2.468	2.458	(0.465)	26567	11.8045	11.8044(H)

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\8nov1907.b\81119A24.D
Lab Smp Id: IK16006-001 Client Smp ID: Y3QP0
Inj Date : 19-NOV-2007 16:58
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, IK16006-001
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 15
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	1125335	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.774	120684	0.53621508	0.5362	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

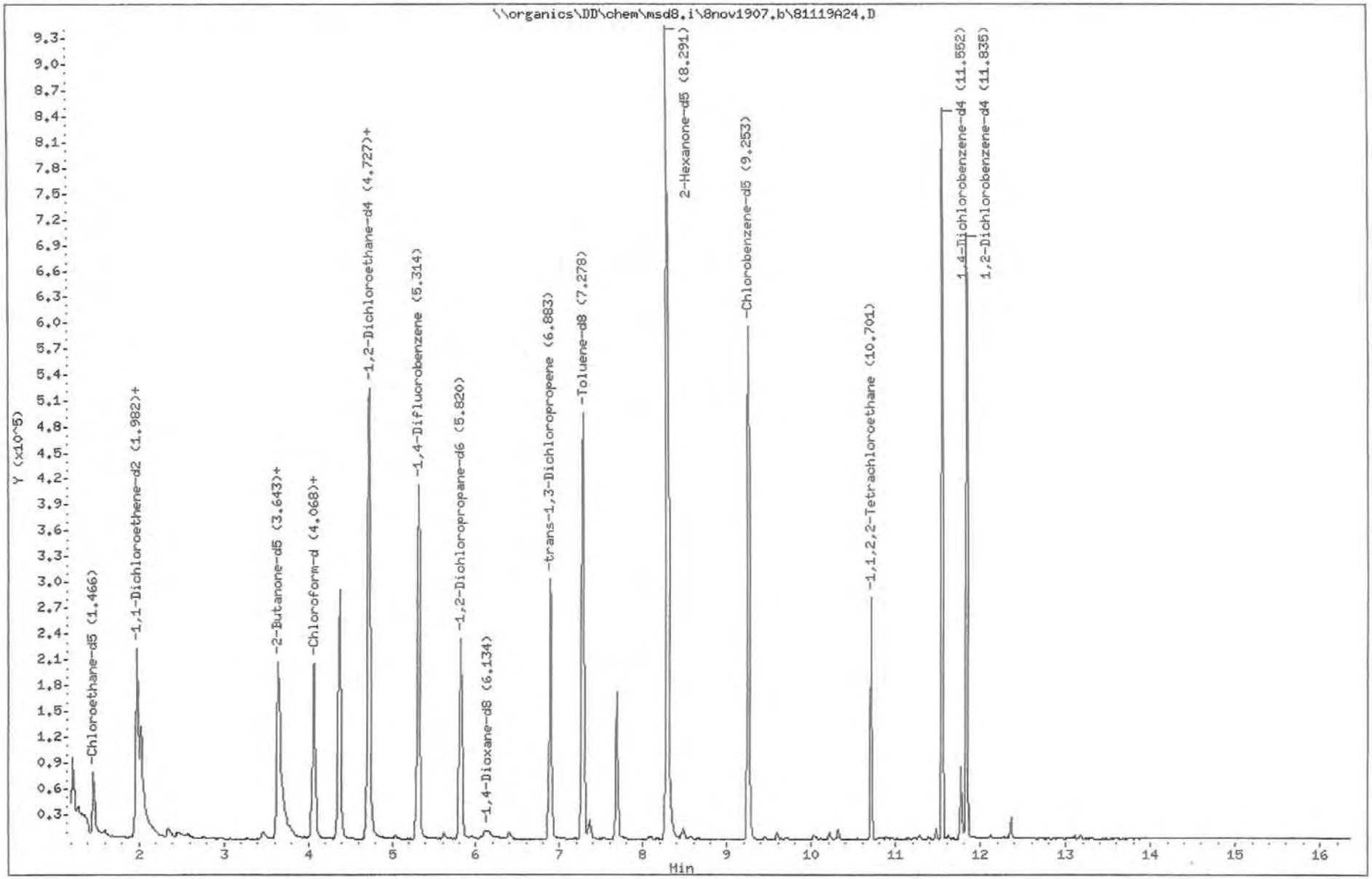
Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

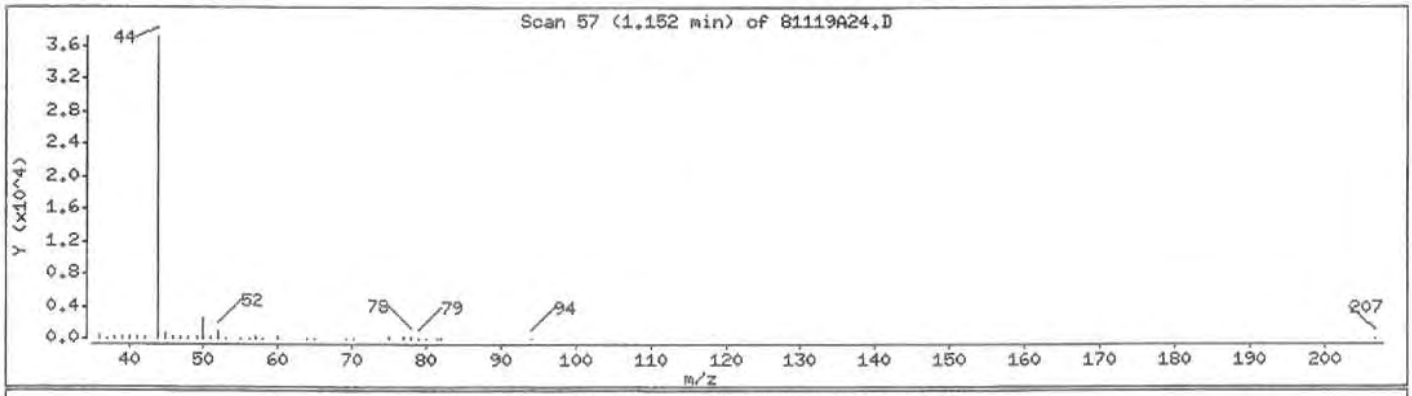
Operator: DLB

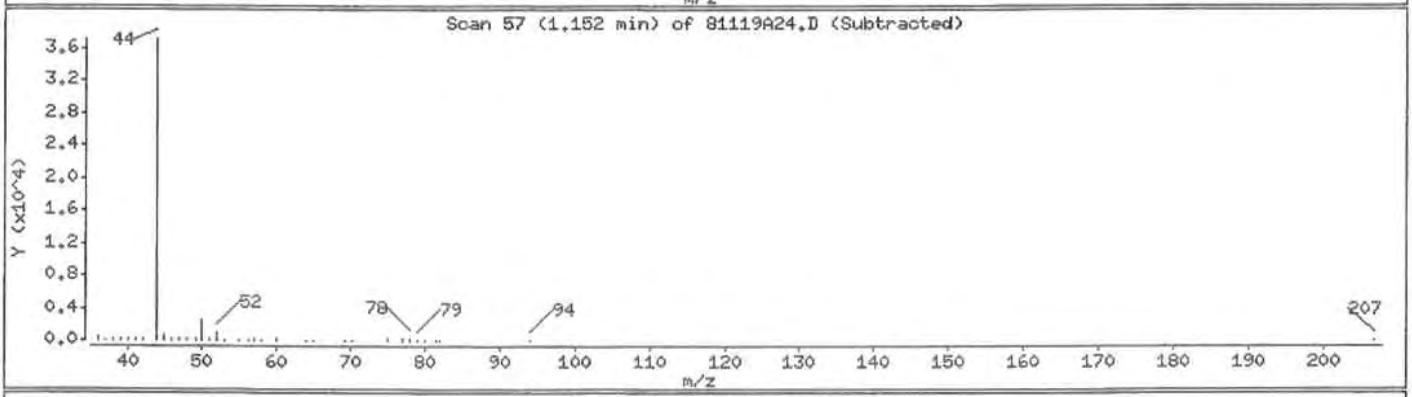
Column phase: DB-624

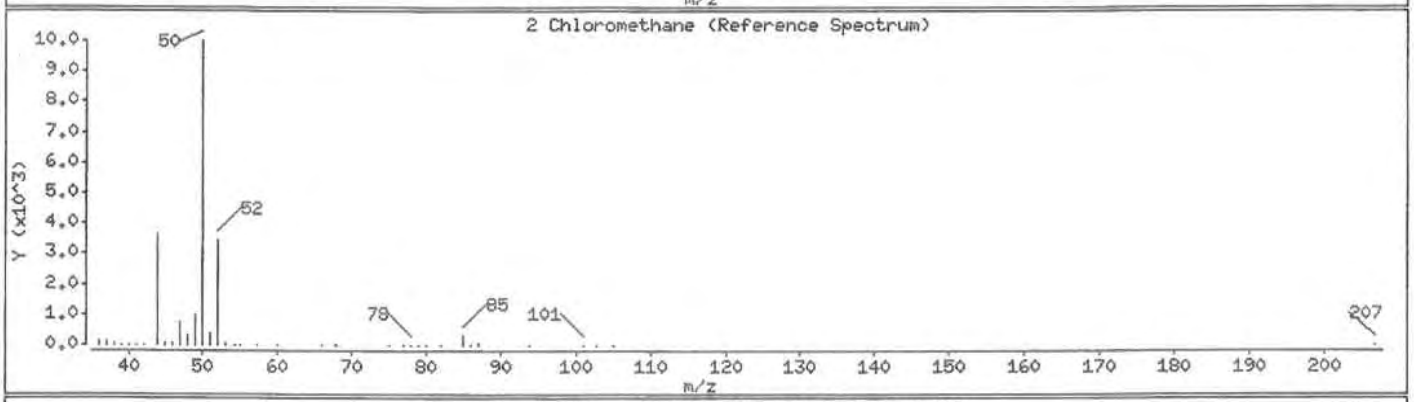
Column diameter: 0.18

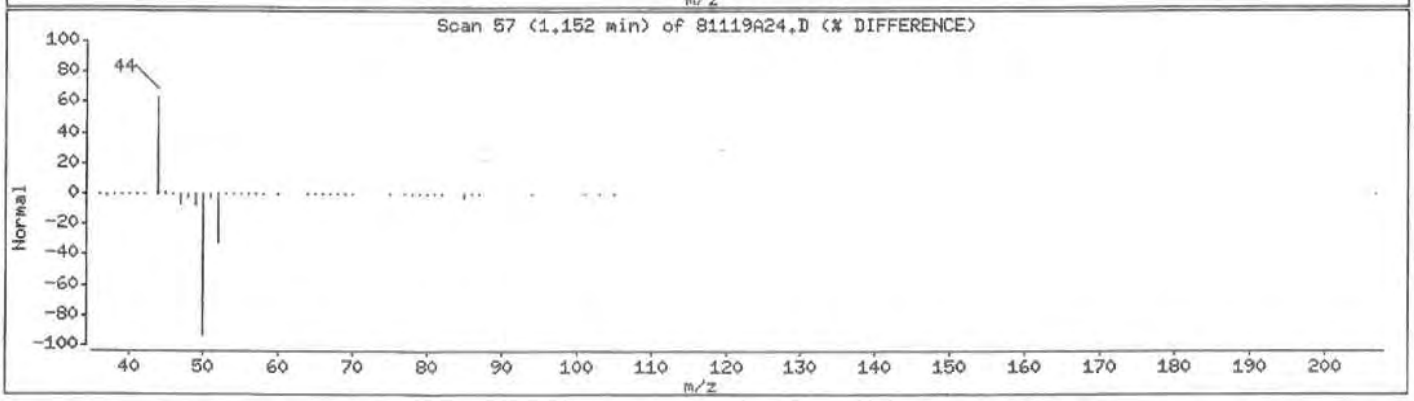
2 Chloromethane

Concentration: 0.1548 ug/L









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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

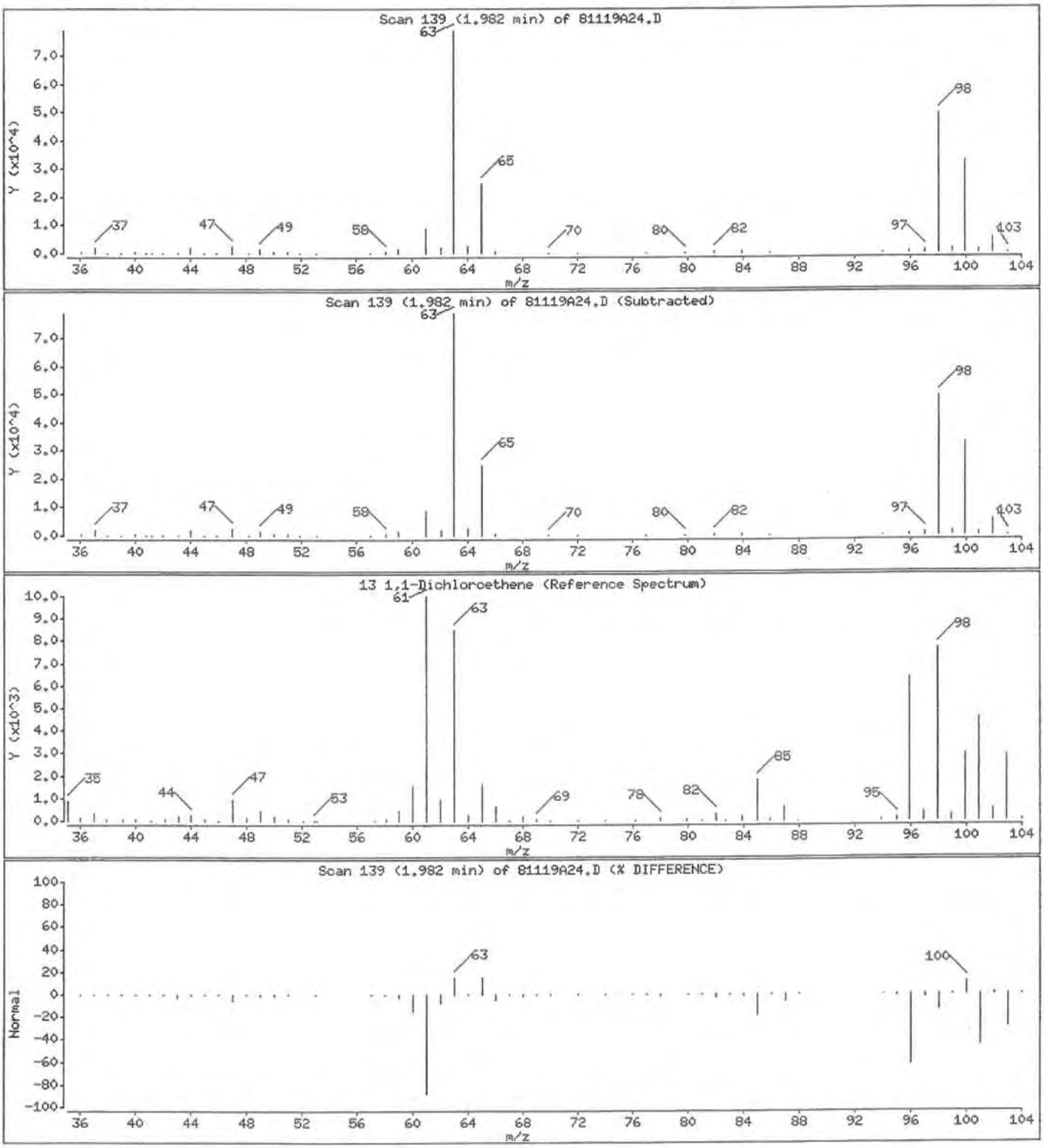
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 0.0917 ug/L



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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

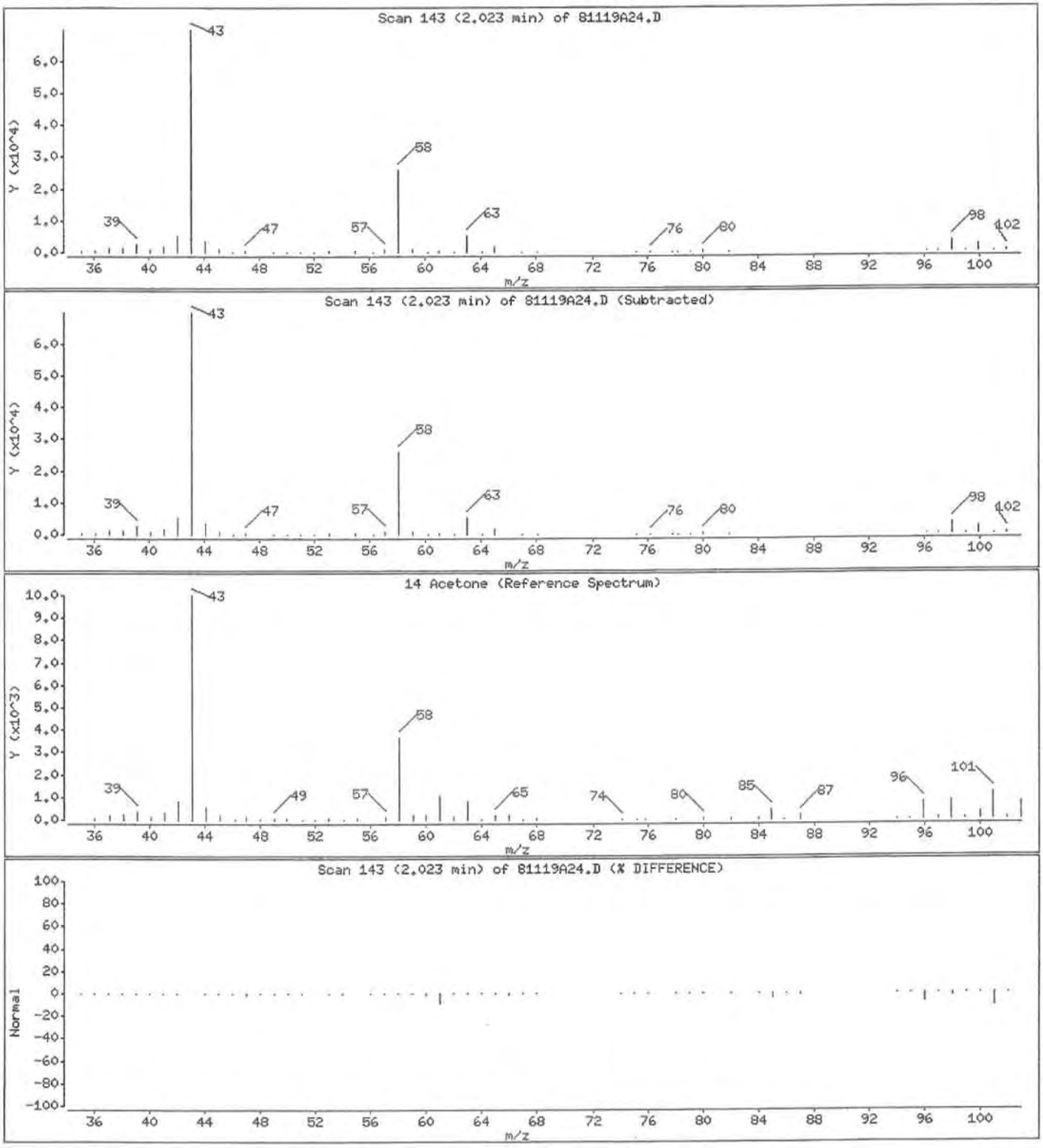
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 58.8584 ug/L



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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

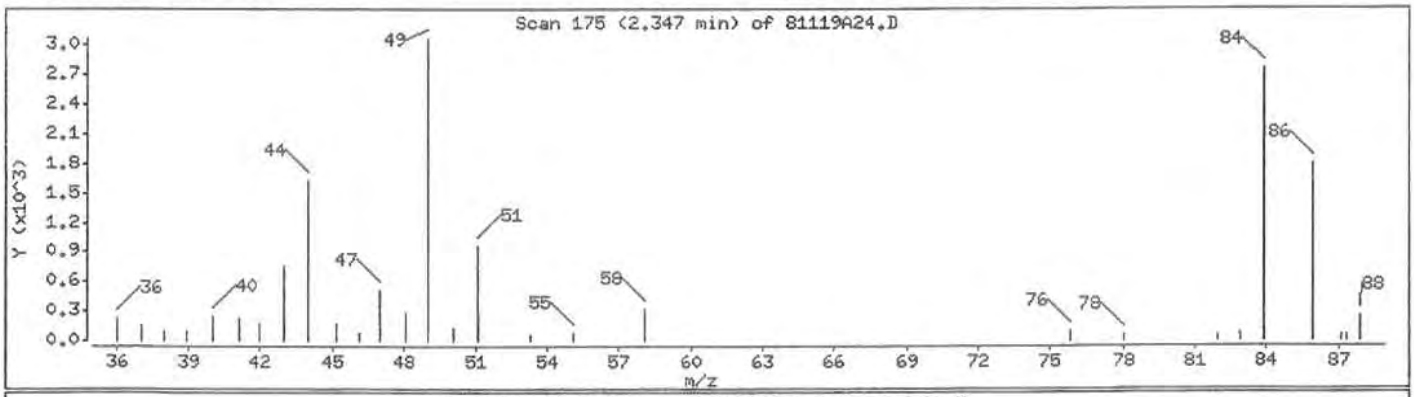
Operator: DLB

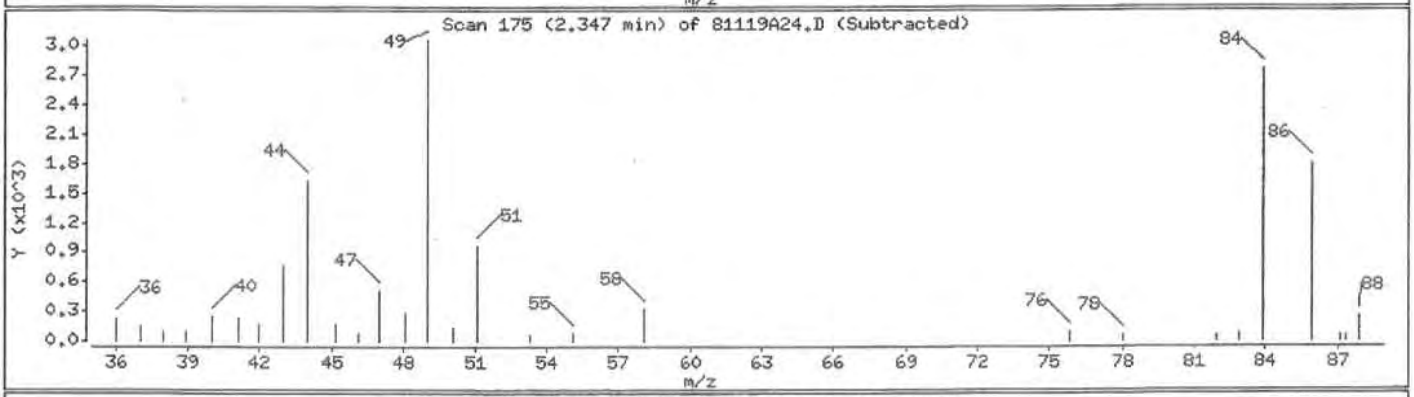
Column phase: DB-624

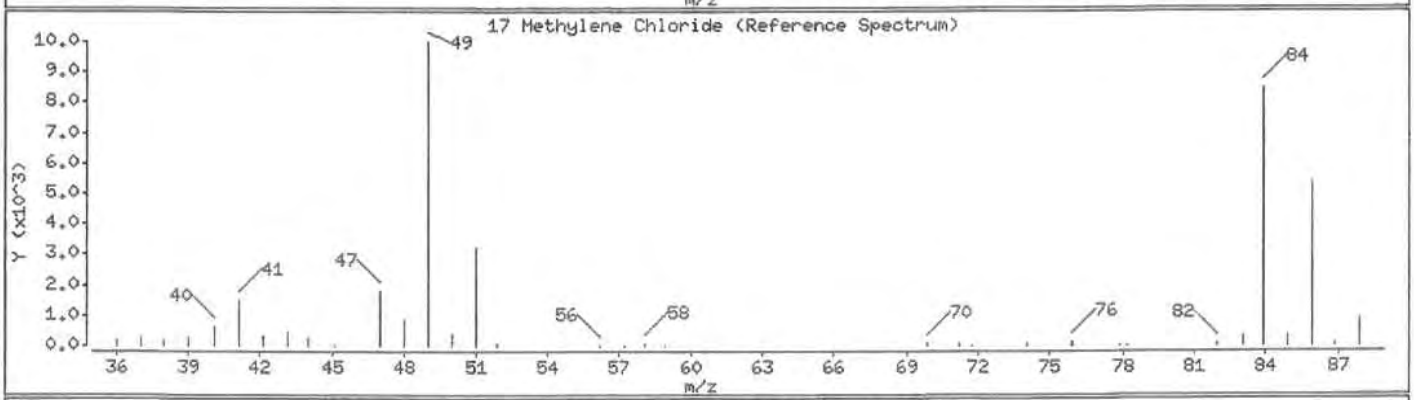
Column diameter: 0.18

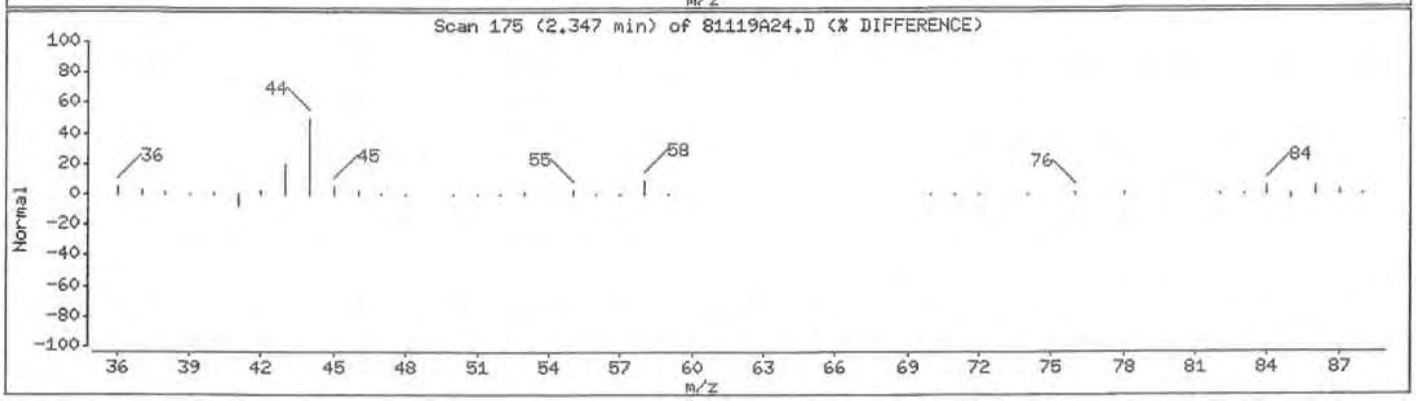
17 Methylene Chloride

Concentration: 0.2880 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

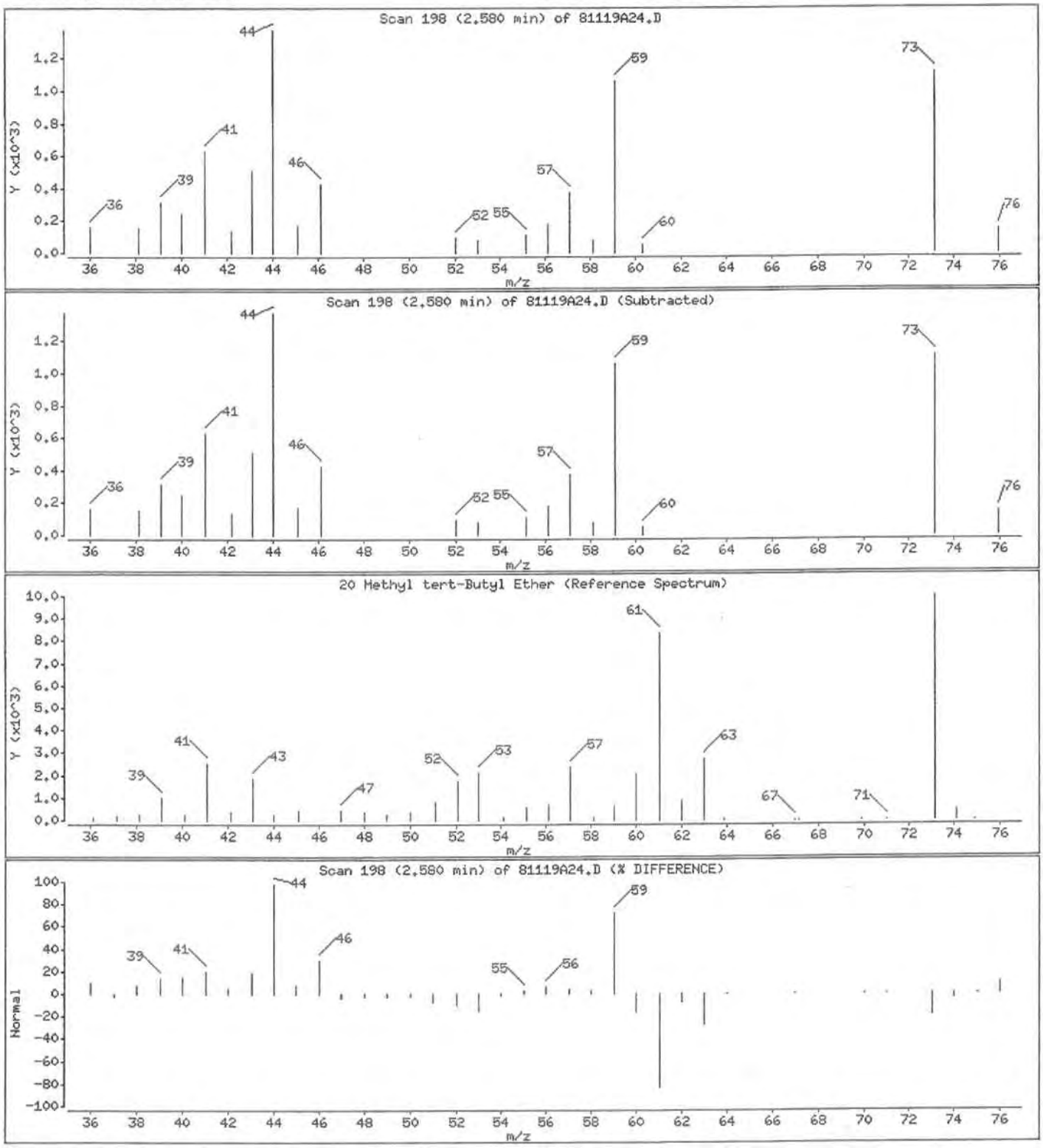
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

20 Methyl tert-Butyl Ether

Concentration: 0.0669 ug/L



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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

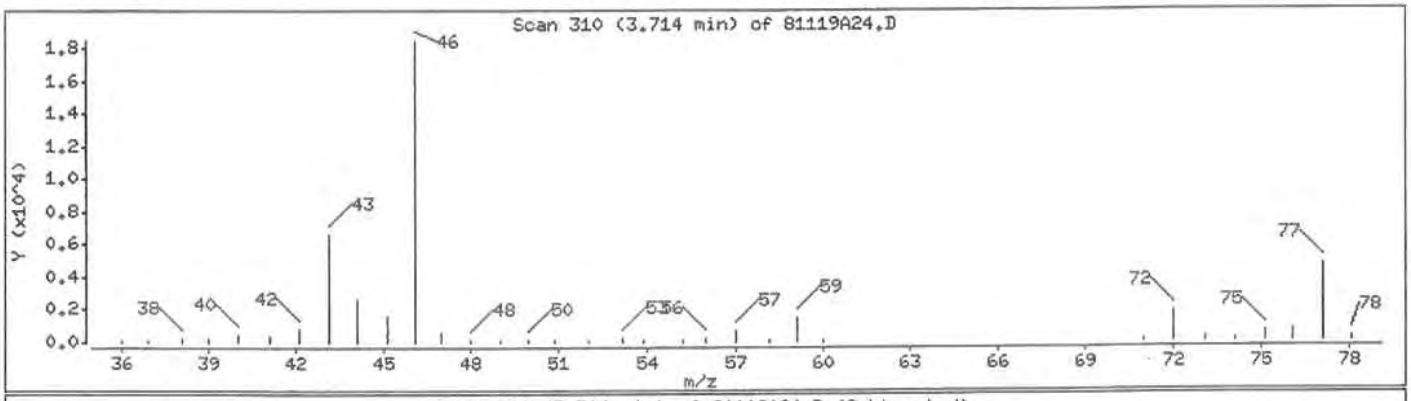
Operator: DLB

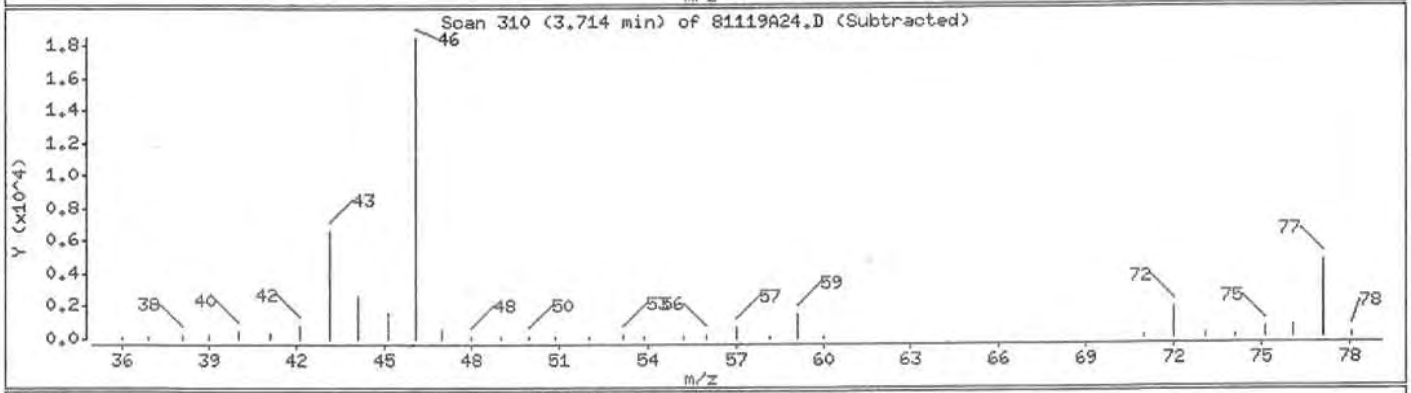
Column phase: DB-624

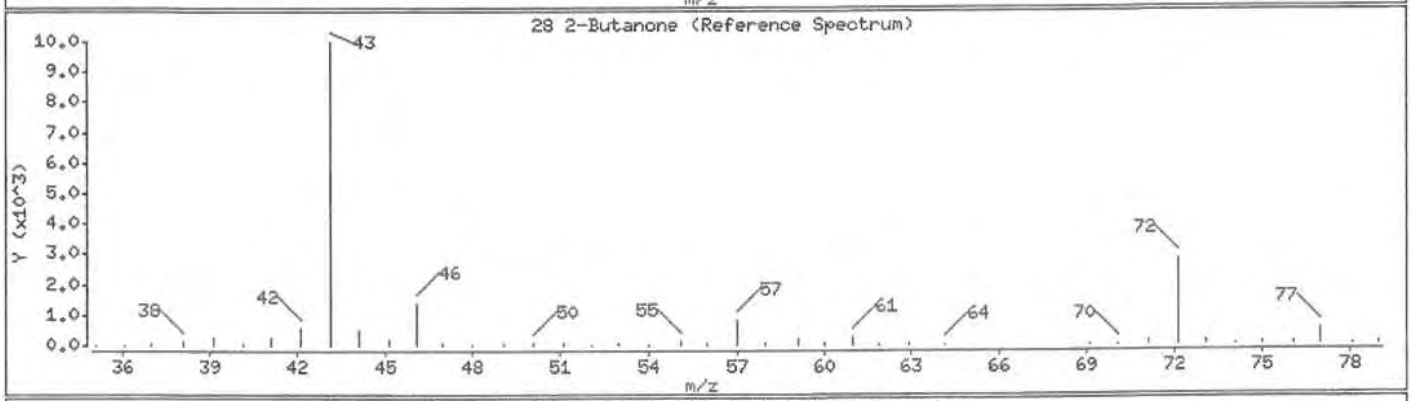
Column diameter: 0.18

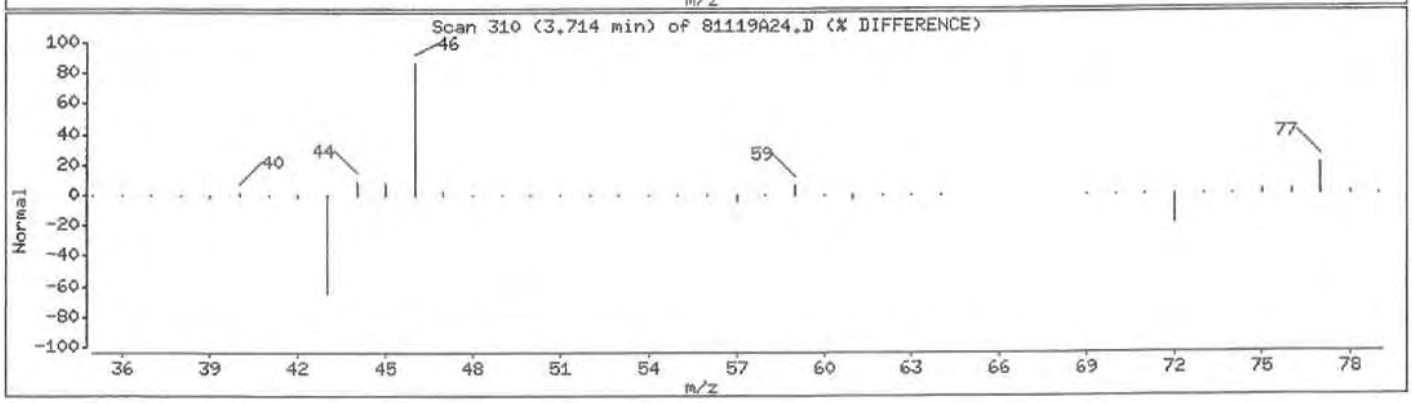
28 2-Butanone

Concentration: 2.4536 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

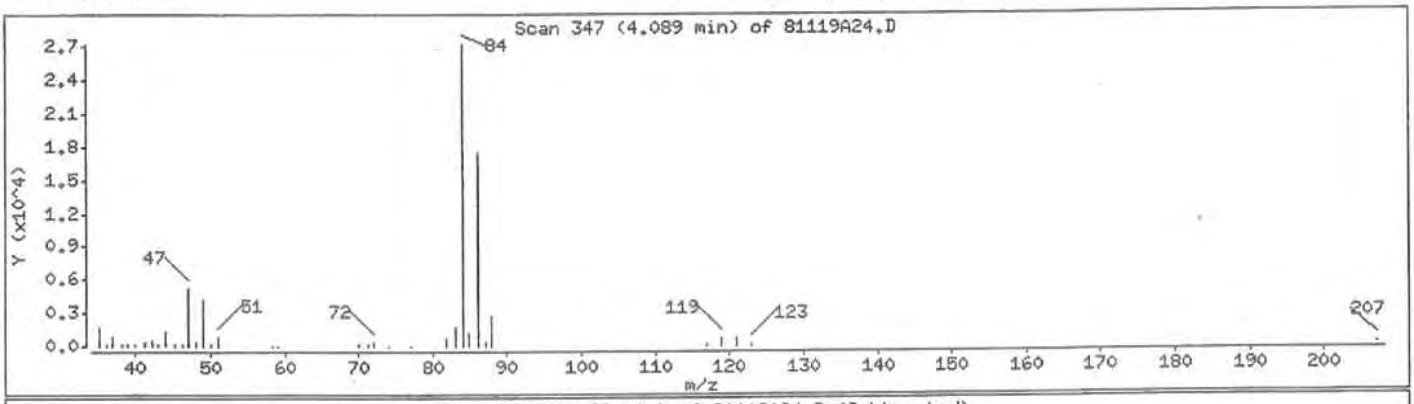
Operator: DLB

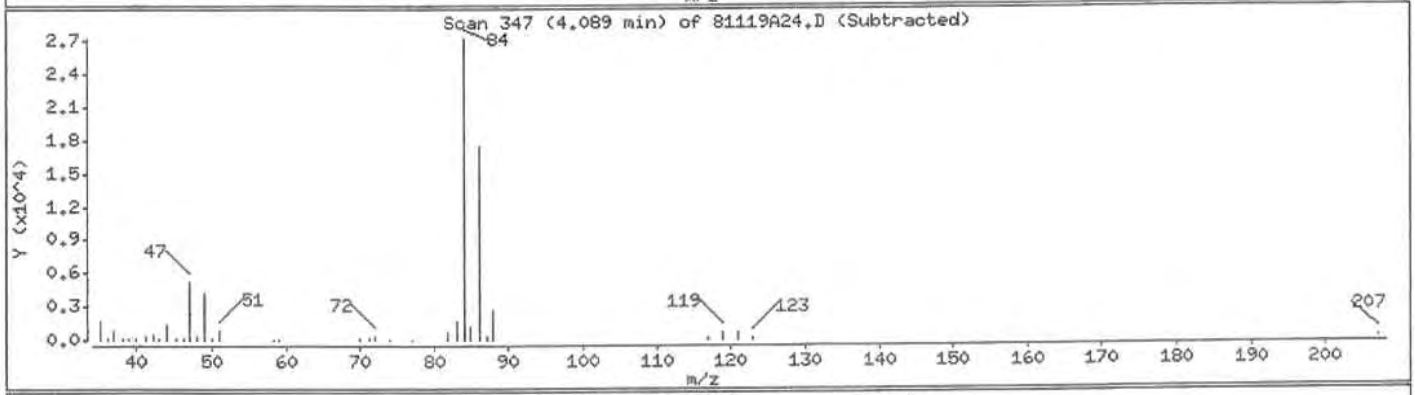
Column phase: DB-624

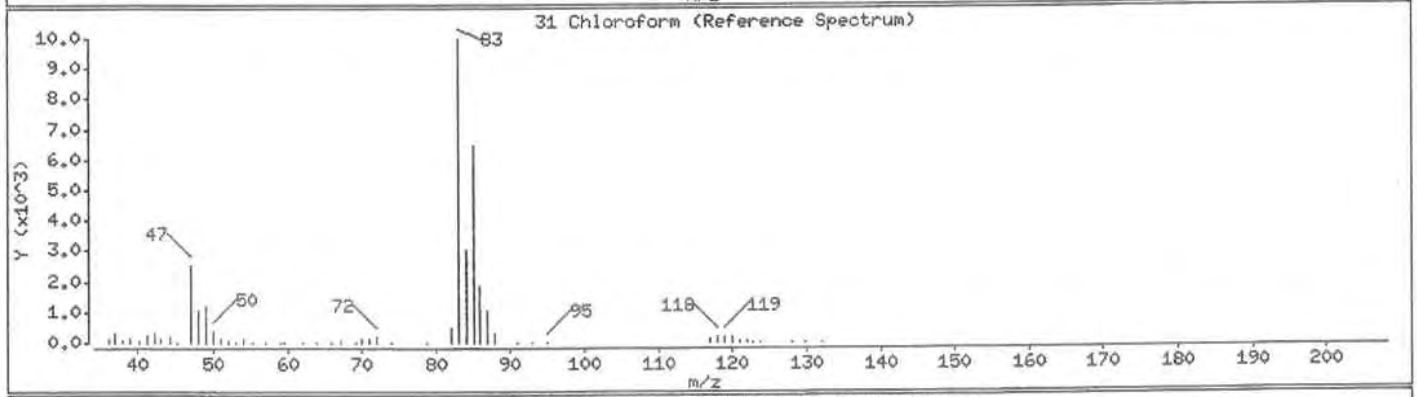
Column diameter: 0.18

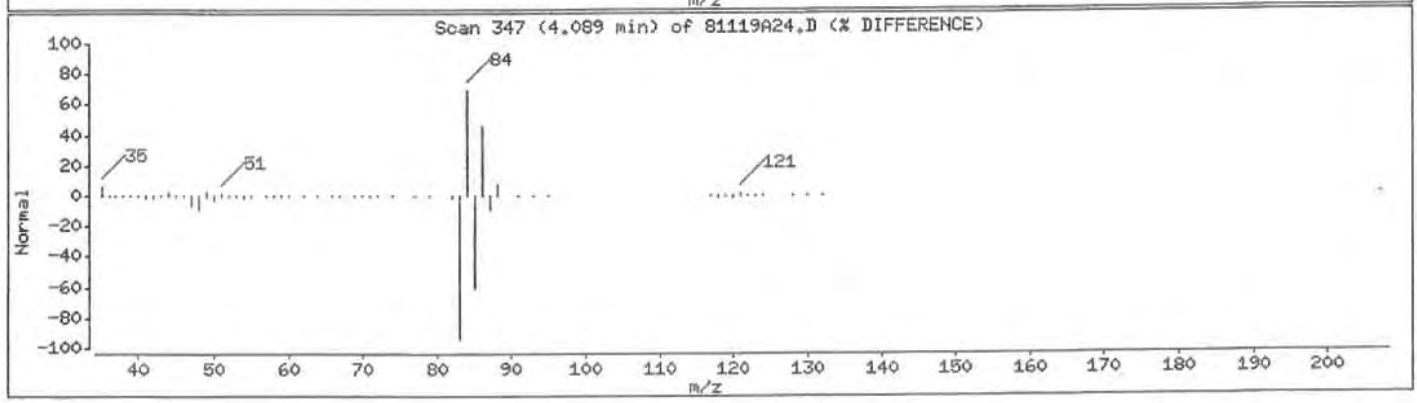
31 Chloroform

Concentration: 0.1268 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

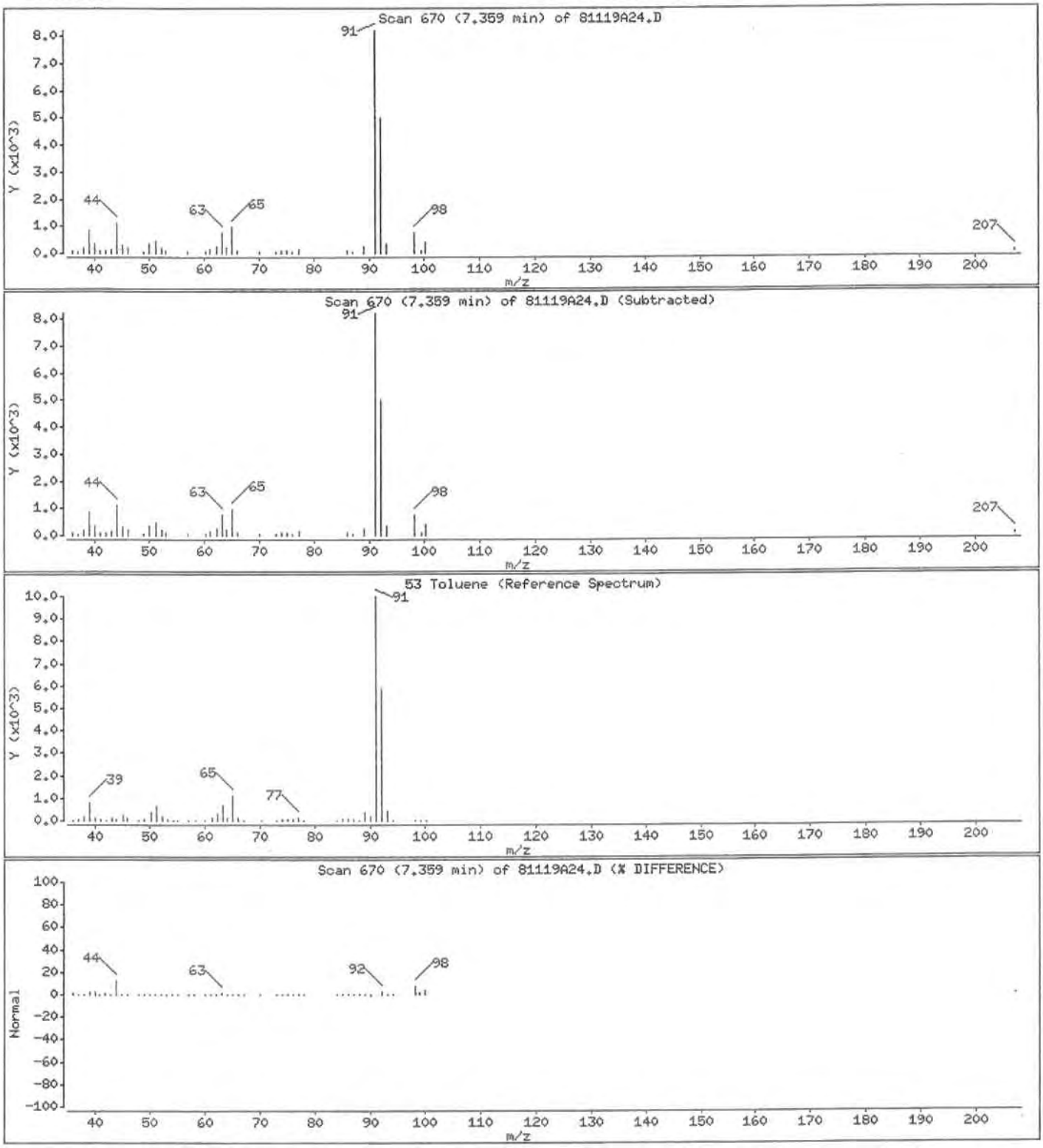
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.2095 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

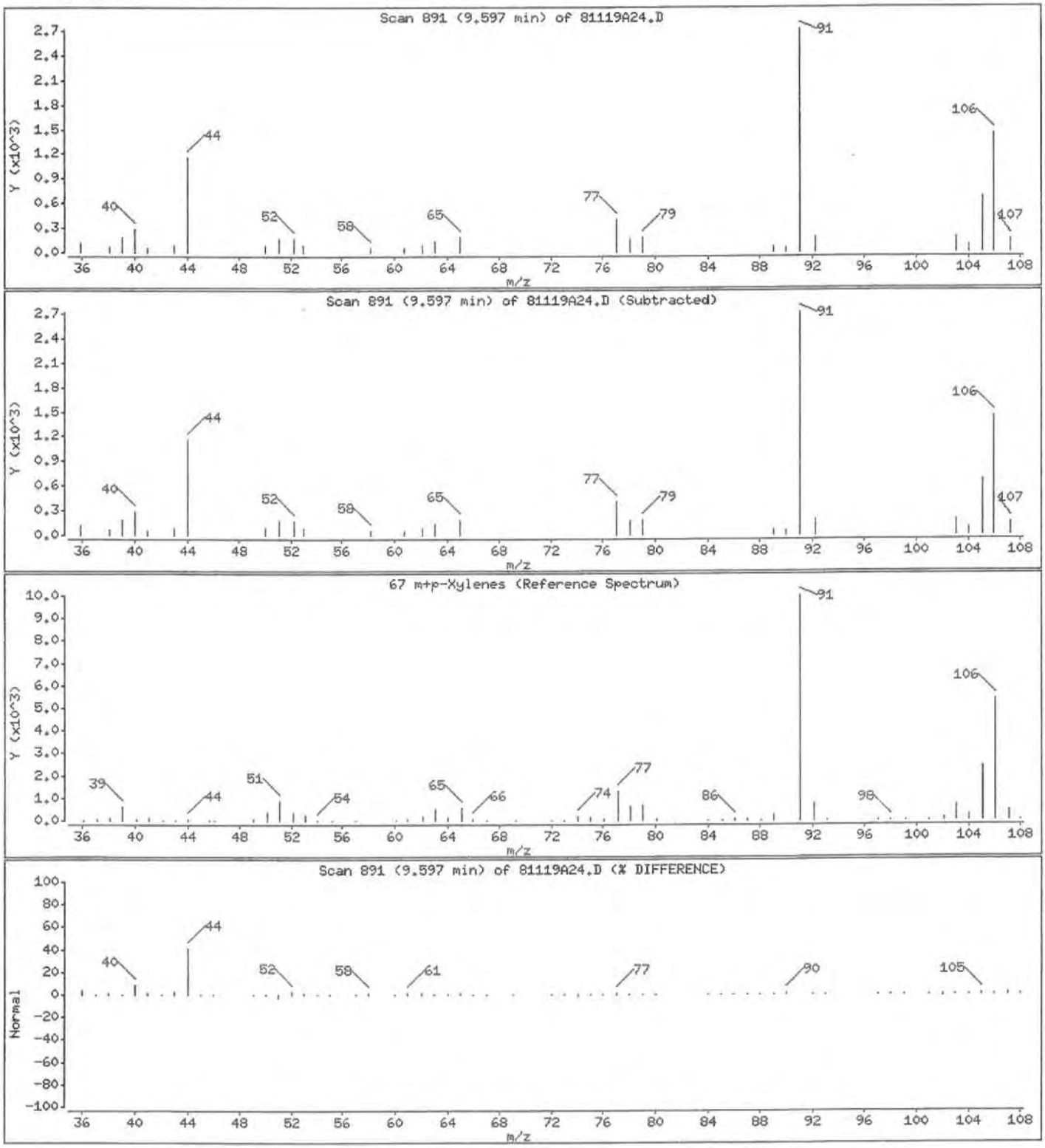
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

67 m+p-Xylenes

Concentration: 0.0709 ug/L



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Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

Purge Volume: 25.0

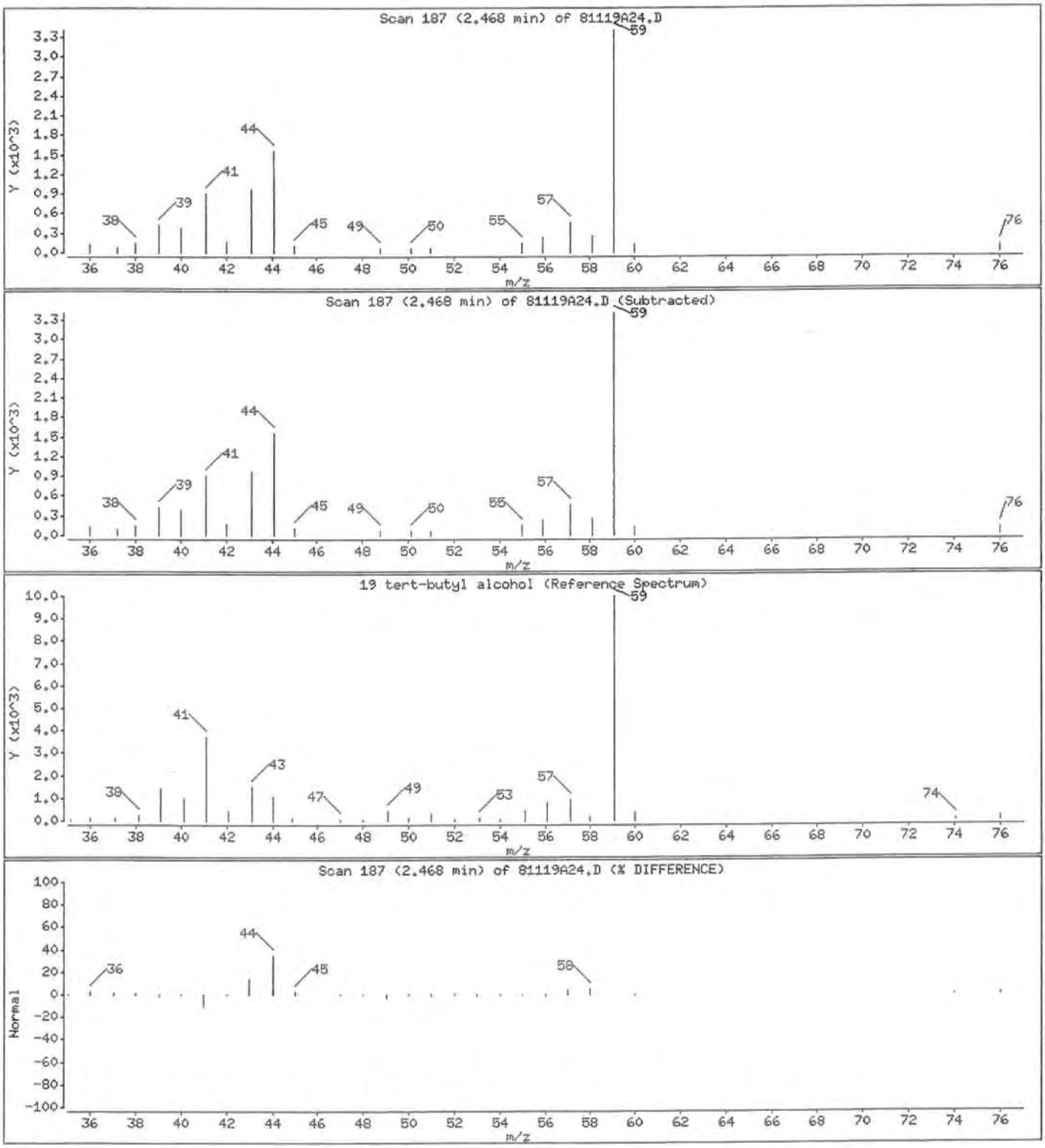
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

19 tert-butyl alcohol

Concentration: 11.8044 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A24.D

Date : 19-NOV-2007 16:58

Client ID: Y3QP0

Instrument: msd8.i

Sample Info: 8nov1907.b, IK16006-001

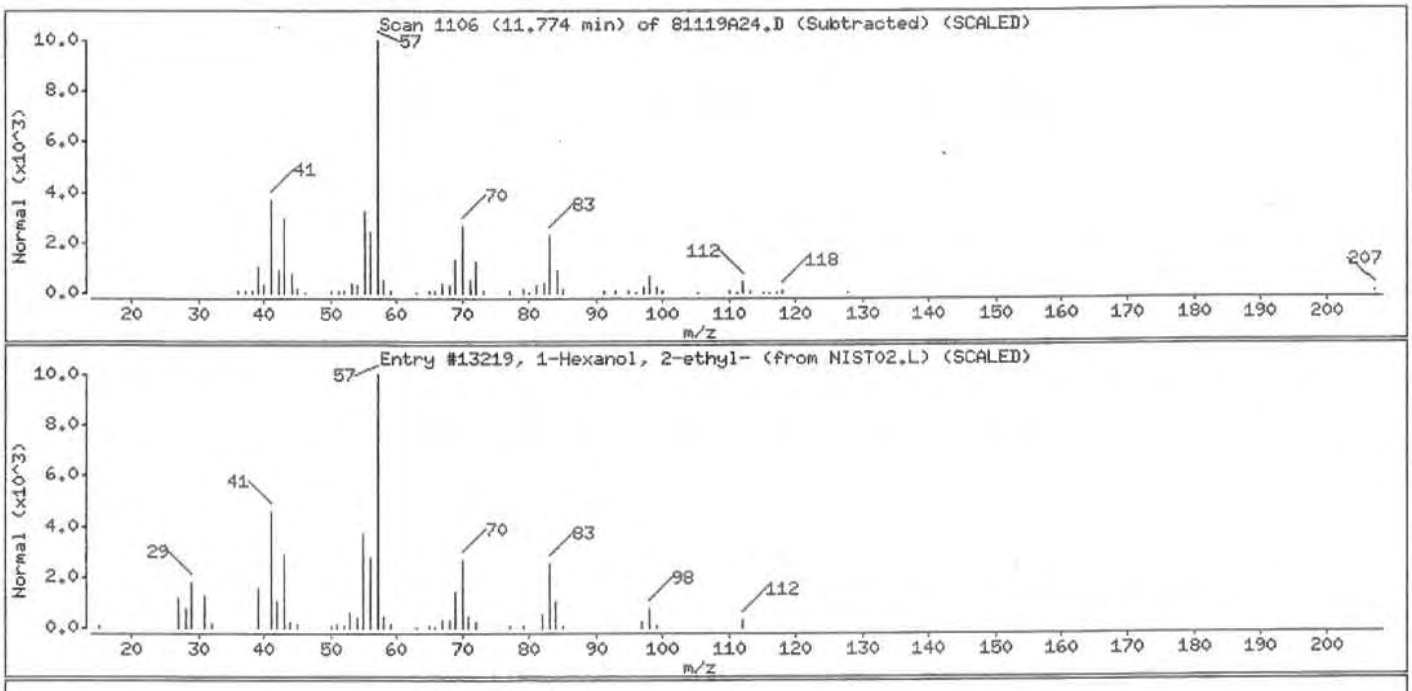
Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.090	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.7	JB
75-15-0	Carbon Disulfide	1.1	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.085	JB
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.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.68	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B13.D
Lab Smp Id: IK16006-002 Client Smp ID: Y3QP1
Inj Date : 20-NOV-2007 12:27
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-002
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 10
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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl Chloride-d3	65	1.243	1.223	(0.234)	70796	8.55444	8.5544(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.465	1.466	(0.276)	77538	7.70907	7.7090(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)	185026	5.02304	5.0230
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	1740	0.08973	0.0897(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.022	2.023	(0.381)	8948	1.72891	1.7289(a)
15	Carbon Disulfide	76	2.164	2.154	(0.407)	70721	1.13307	1.1330
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.346	2.347	(0.442)	6575	0.23753	0.2375(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	3.633	(0.686)	493255	54.9790	54.9789(Q)
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)	216813	5.65984	5.6598
31	Chloroform	83	4.088	4.088	(0.769)	3035	0.08517	0.0851(a)
33	1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	111281	5.65213	5.6521
$	36	Benzene-d6	84	4.726	4.716	(0.511)	496030	5.83226	5.8322
	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)	427369	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	146763	5.22664	5.2266
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.134	6.144	(1.154)	18566	173.235	173.2346(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)	198037	4.30337	4.3033
	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)	413774	5.60580	5.6058
	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	8.281	(0.896)	465499	54.4313	54.4312
	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)	386198	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)	120524	5.05381	5.0538
	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)	212884	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	171242	5.65836	5.6583
	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\8nov2007.b\81120B13.D
Lab Smp Id: IK16006-002 Client Smp ID: Y3QP1
Inj Date : 20-NOV-2007 12:27
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-002
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

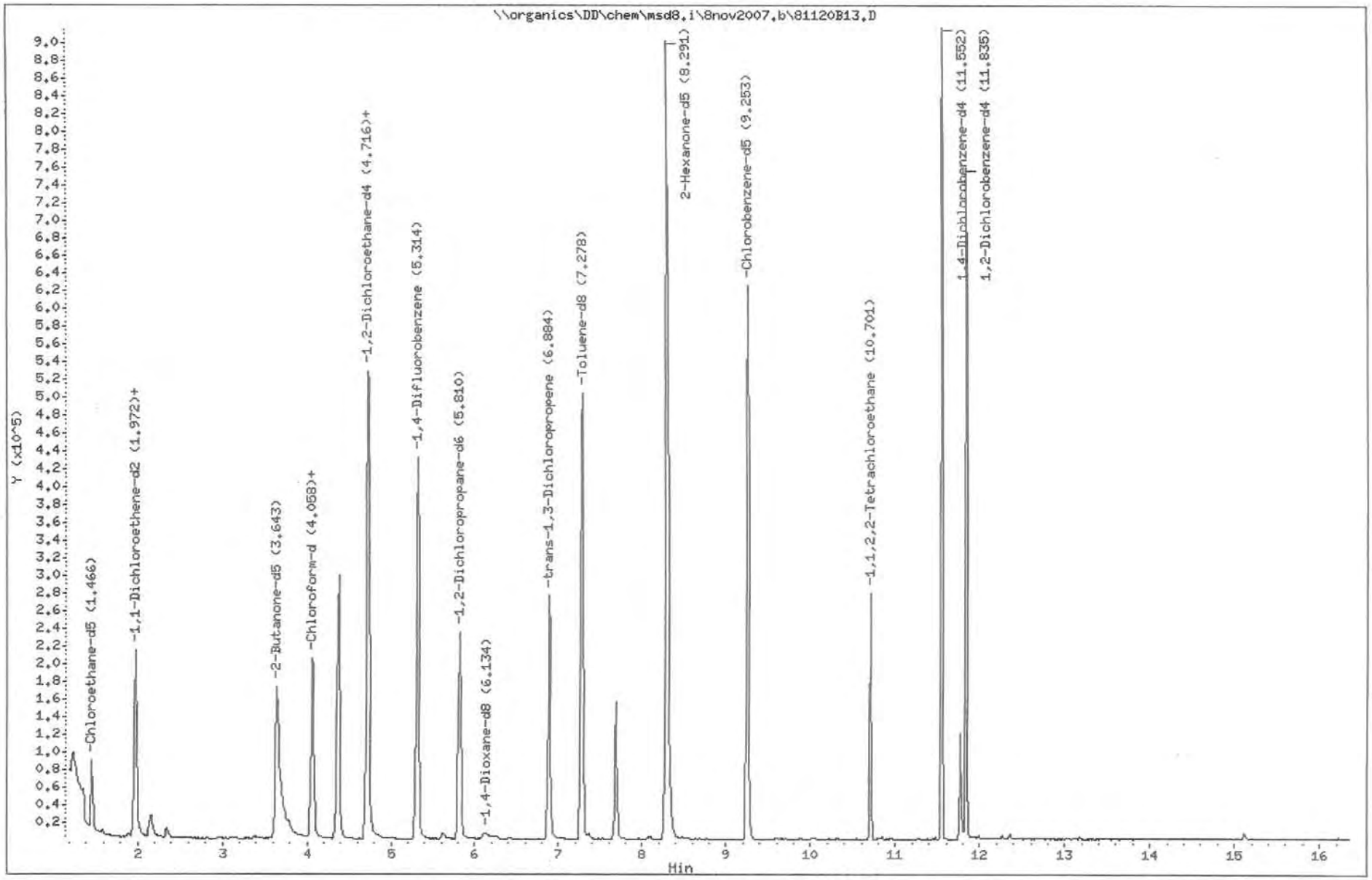
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1183197	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.774	161311	0.68167221	0.6816	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B13.D
Date : 20-NOV-2007 12:27
Client ID: Y3QP1
Sample Info: 8nov2007.b, IK16006-002
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B13.D

Date : 20-NOV-2007 12:27

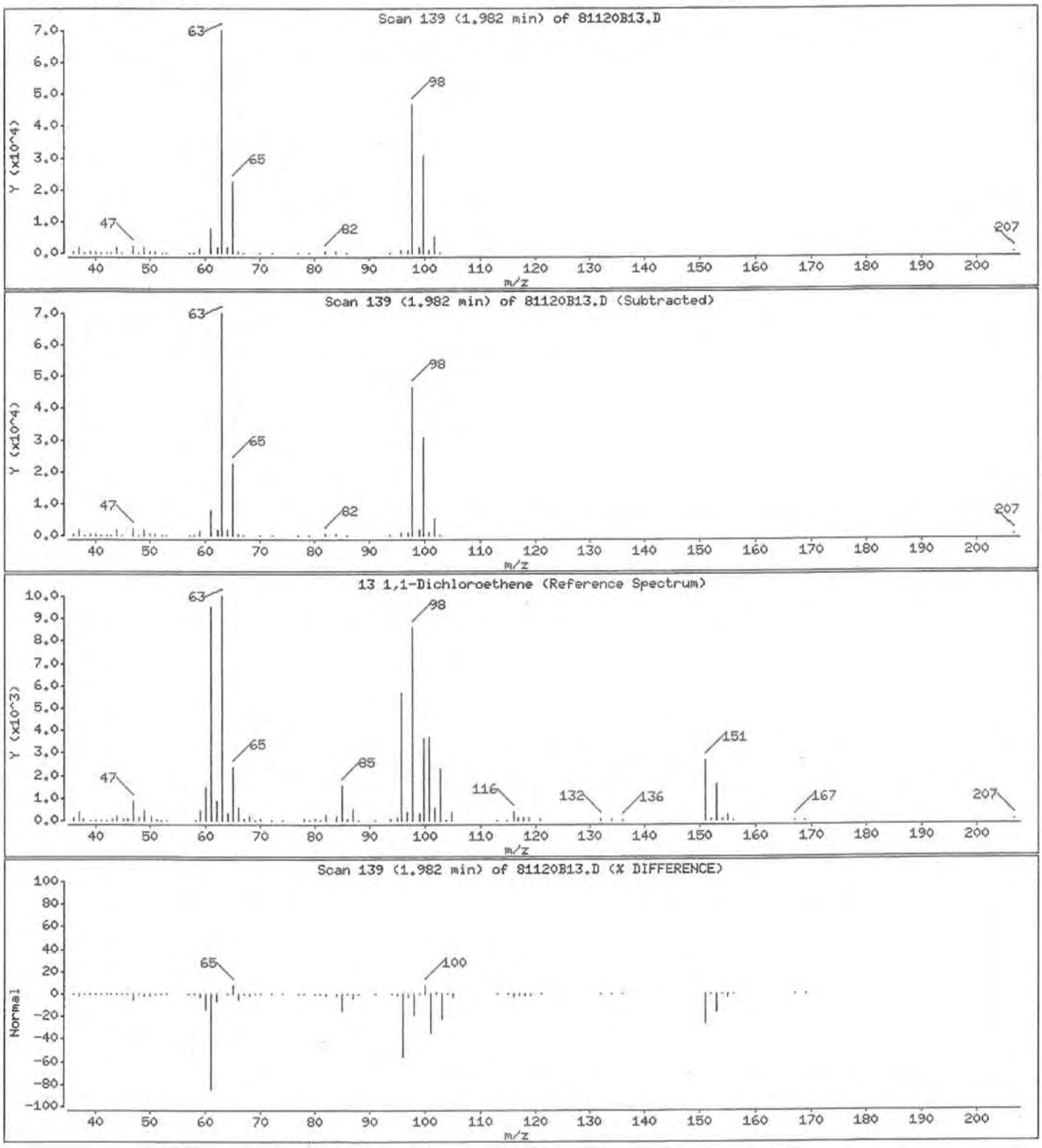
Client ID: Y3QP1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0897 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B13.D

Date : 20-NOV-2007 12:27

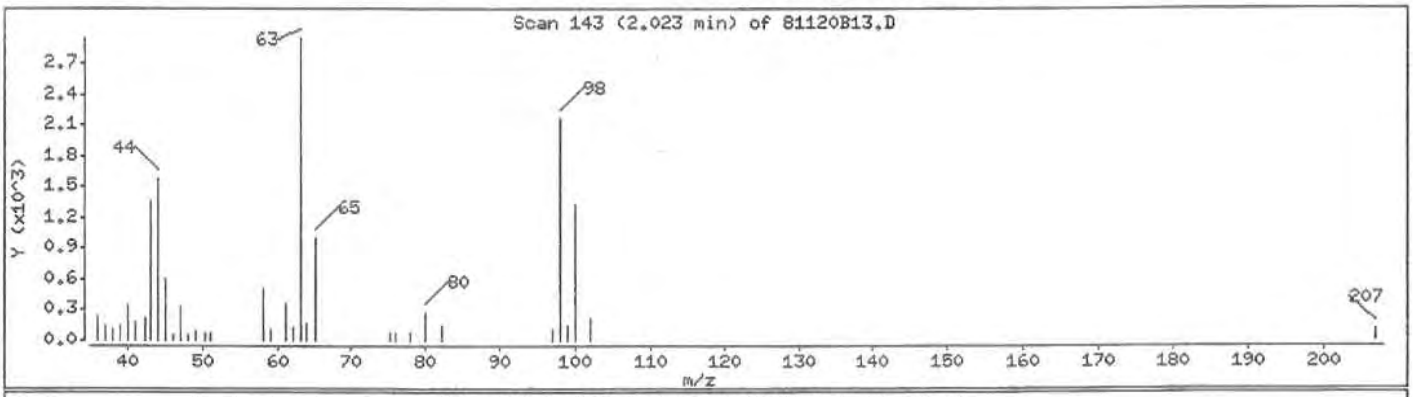
Client ID: Y3QP1 Instrument: msd8.i

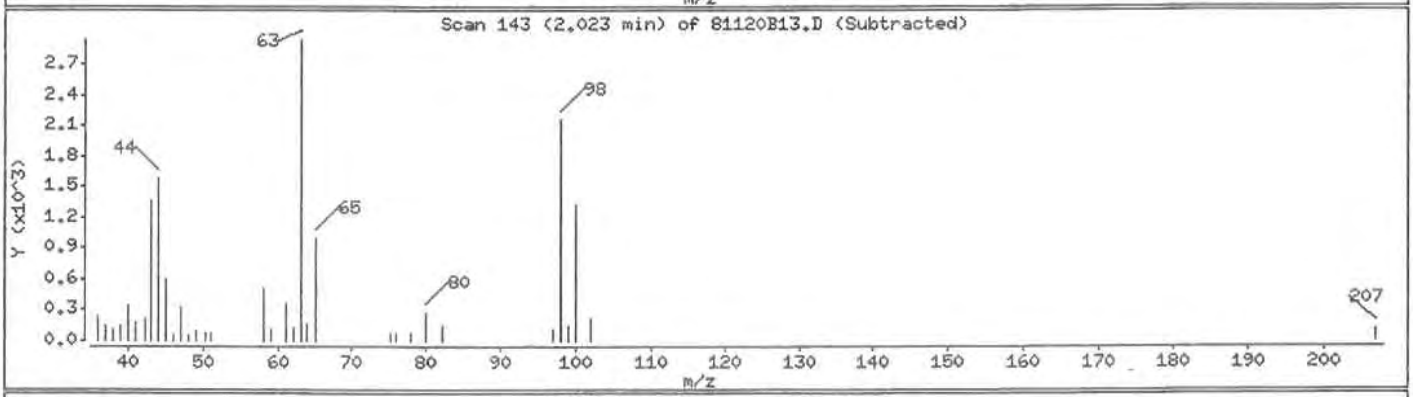
Sample Info: 8nov2007.b, IK16006-002

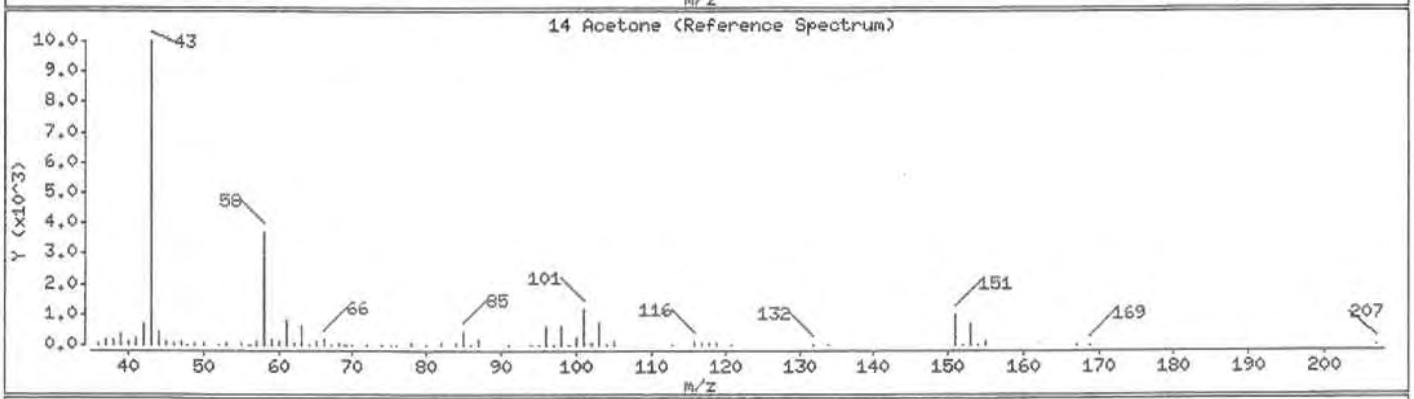
Purge Volume: 25.0 Operator: DLB

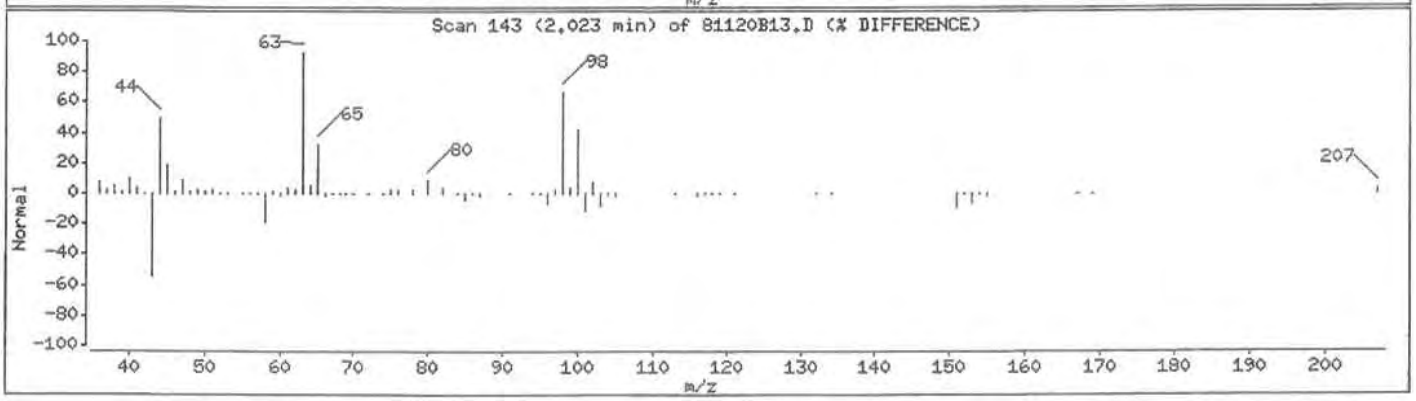
Column phase: DB-624 Column diameter: 0.18

14 Acetone Concentration: 1.7289 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B13.D

Date : 20-NOV-2007 12:27

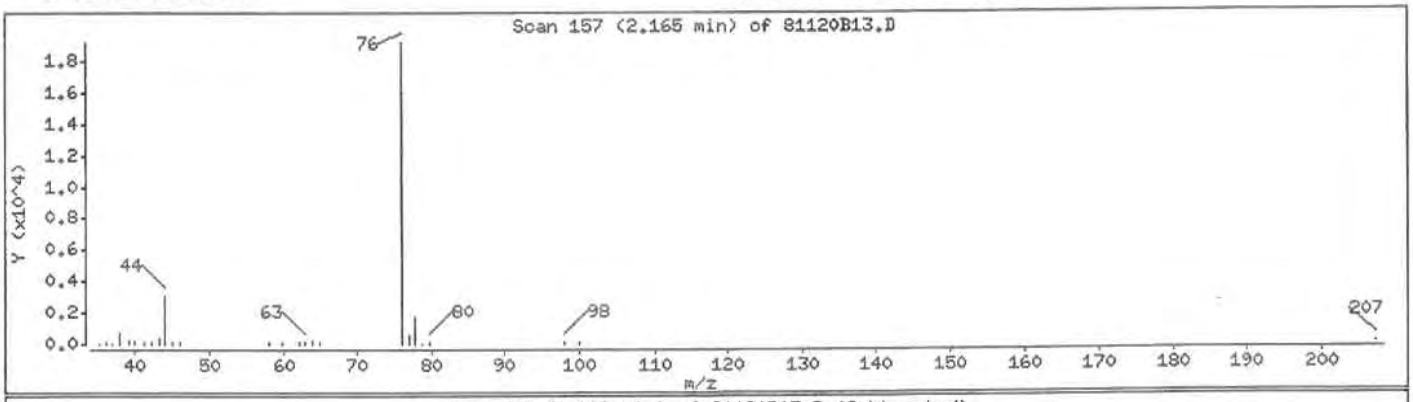
Client ID: Y3QP1 Instrument: msd8.i

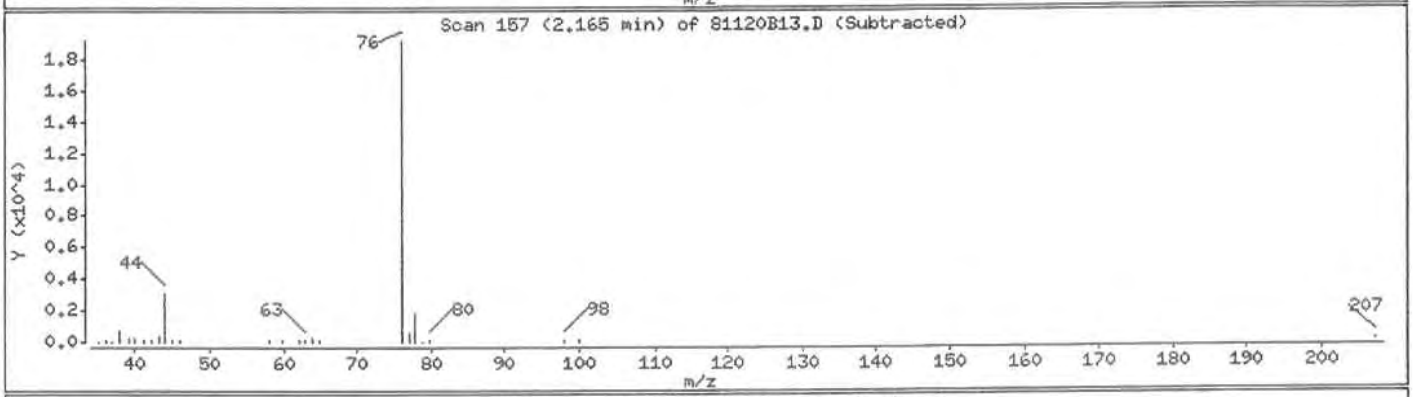
Sample Info: 8nov2007.b, IK16006-002

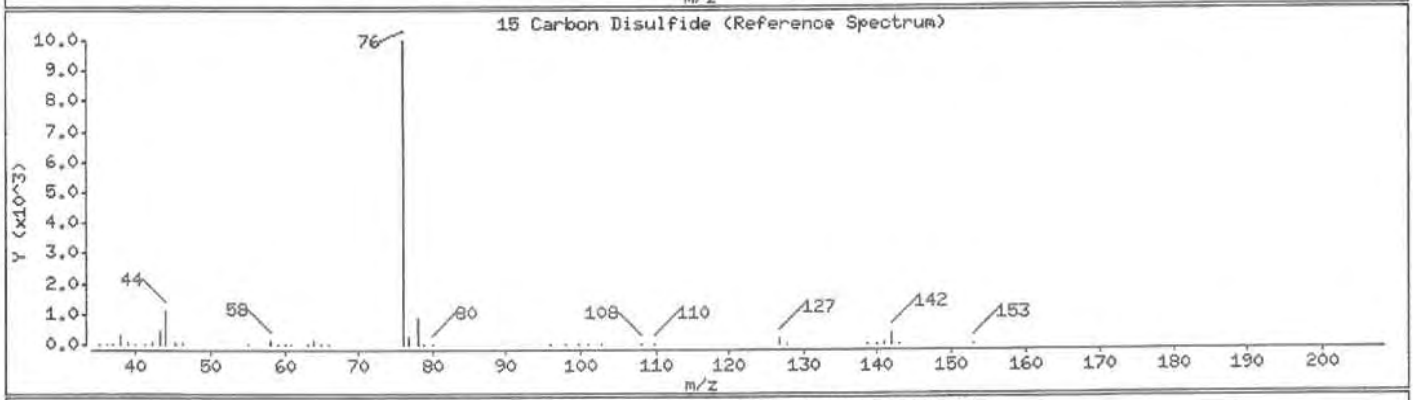
Purge Volume: 25.0 Operator: DLB

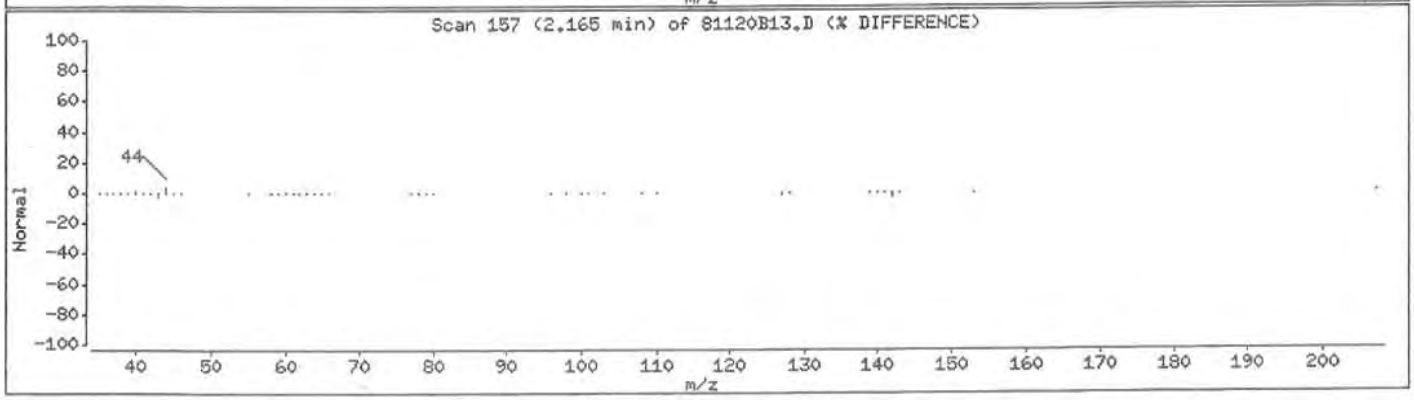
Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 1.1330 ug/L









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Date : 20-NOV-2007 12:27

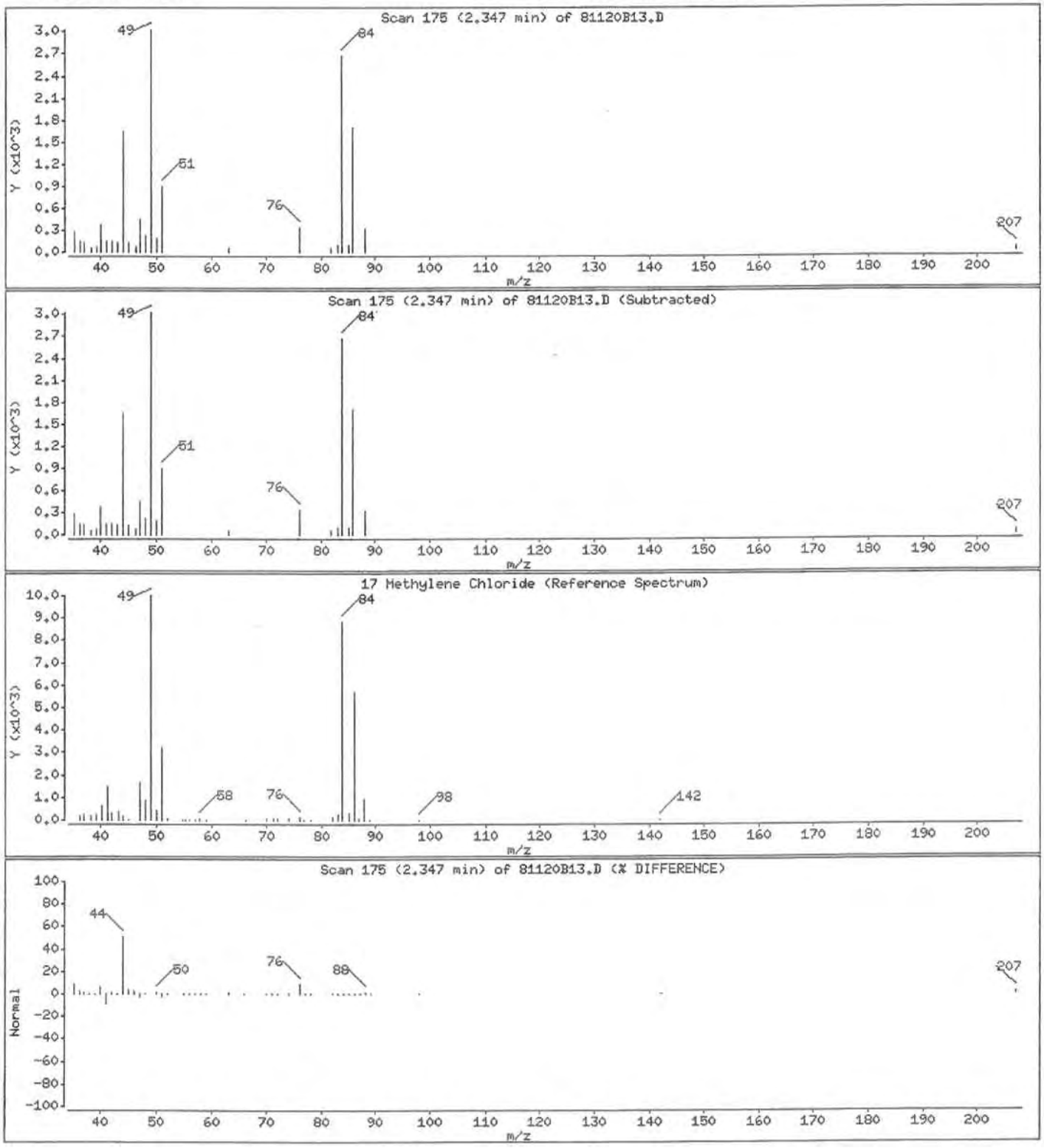
Client ID: Y3QP1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2375 ug/L



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Date : 20-NOV-2007 12:27

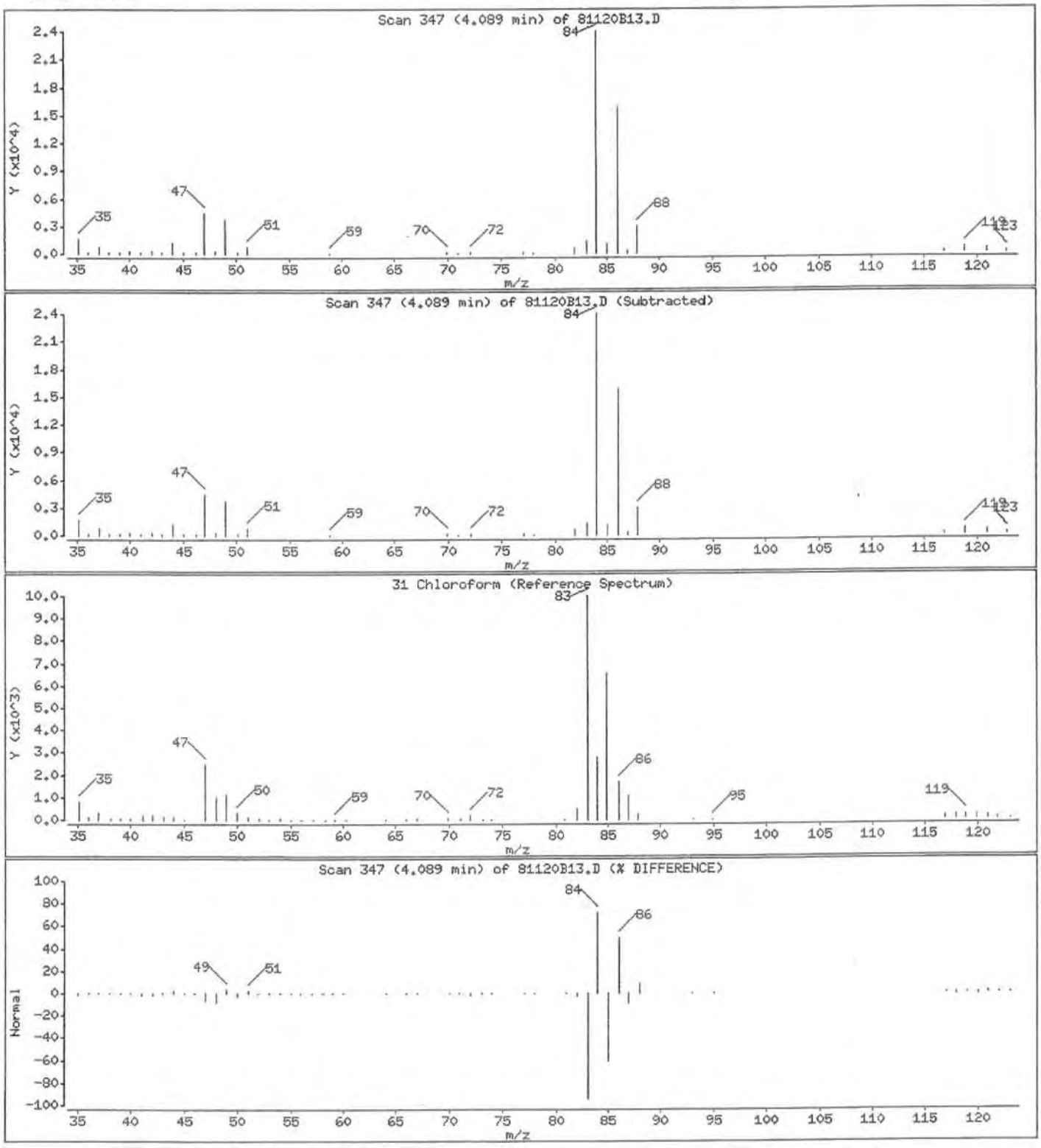
Client ID: Y3QP1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-002

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0851 ug/L



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Date : 20-NOV-2007 12:27

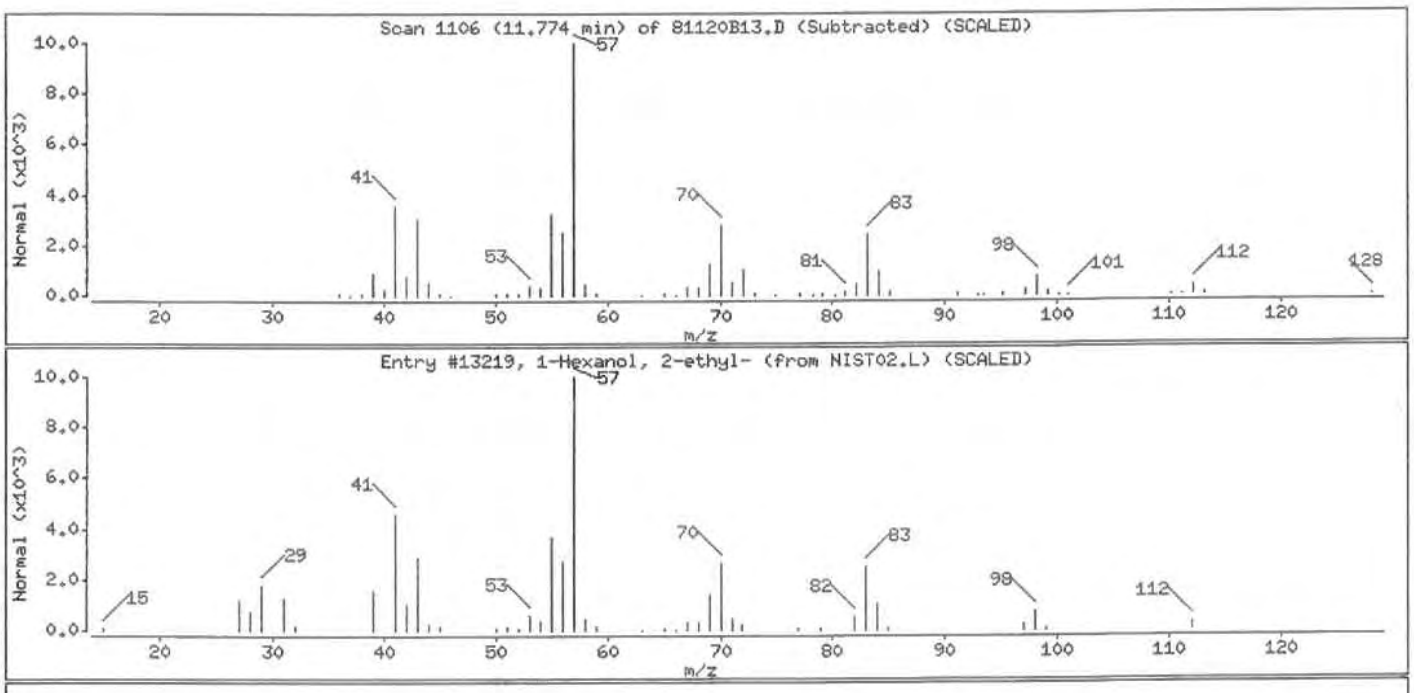
Client ID: Y3QP1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-002

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.50	U
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	0.21	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.085	JB
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	0.050	J
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.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.73	
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.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.55	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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B14.D
Lab Smp Id: IK16006-003 Client Smp ID: Y3QP2
Inj Date : 20-NOV-2007 12:49
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-003
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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	1.222	1.223	(0.230)	71029	8.71699	8.7169(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	81053	8.18473	8.1847(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)	190691	5.25789	5.2578(R)
	13 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	12927	0.21035	0.2103(a)
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.347	(0.442)	6273	0.23017	0.2301(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	3.633	(0.686)	486328	55.0557	55.0557(Q)
	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)	222379	5.89605	5.8960
	31 Chloroform	83	4.088	4.088	(0.769)	2969	0.08463	0.0846(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(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)	111474	5.75060	5.7505
$	36	Benzene-d6	84	4.726	4.716	(0.511)	502906	5.99321	5.9932
	37	Benzene	78	4.726	4.767	(0.511)	4219	0.05010	0.0500(a)
	39	1,2-Dichloroethane	62	Compound Not Detected.					
*	41	1,4-Difluorobenzene	114	5.313	5.314	(1.000)	420780	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	146656	5.29358	5.2935
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.113	6.144	(1.151)	12068	114.367	114.3667(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)	205323	4.52214	4.5221
	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)	412395	5.66281	5.6628
	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	8.098	8.098	(0.875)	11093	0.72770	0.7276
$	58	2-Hexanone-d5	63	8.291	8.281	(0.896)	471056	55.8272	55.8272
	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)	381036	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)	127014	5.39810	5.3980
	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)	211472	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	171551	5.70642	5.7064
	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\8nov2007.b\81120B14.D
Lab Smp Id: IK16006-003 Client Smp ID: Y3QP2
Inj Date : 20-NOV-2007 12:49
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-003
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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

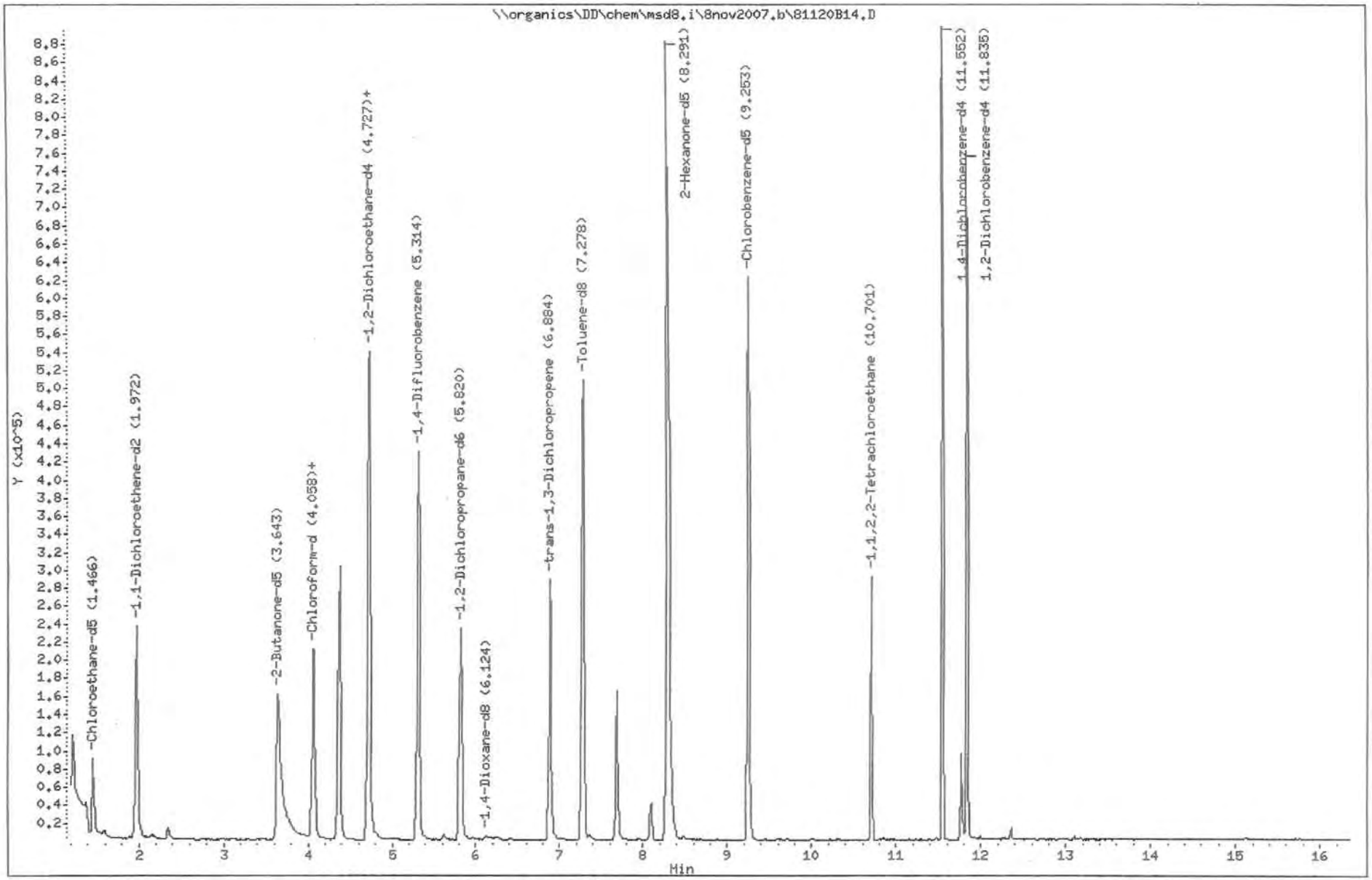
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1171283	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.774	127954	0.54621430	0.5462	0		0	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B14.D
Date : 20-NOV-2007 12:49
Client ID: Y3QP2
Sample Info: 8nov2007.b, IK16006-003
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B14.D

Date : 20-NOV-2007 12:49

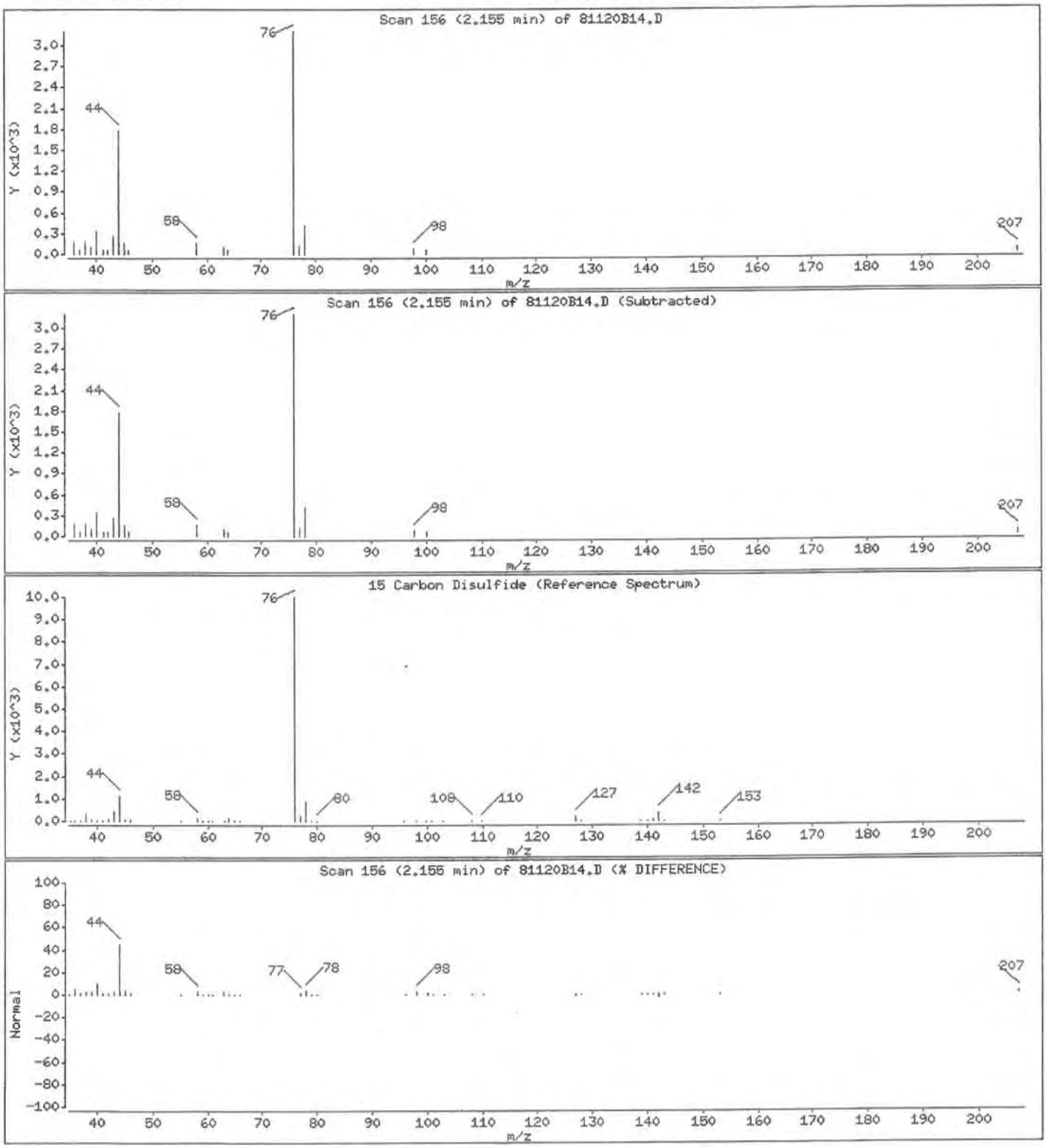
Client ID: Y3QP2 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 0.2103 ug/L



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Date : 20-NOV-2007 12:49

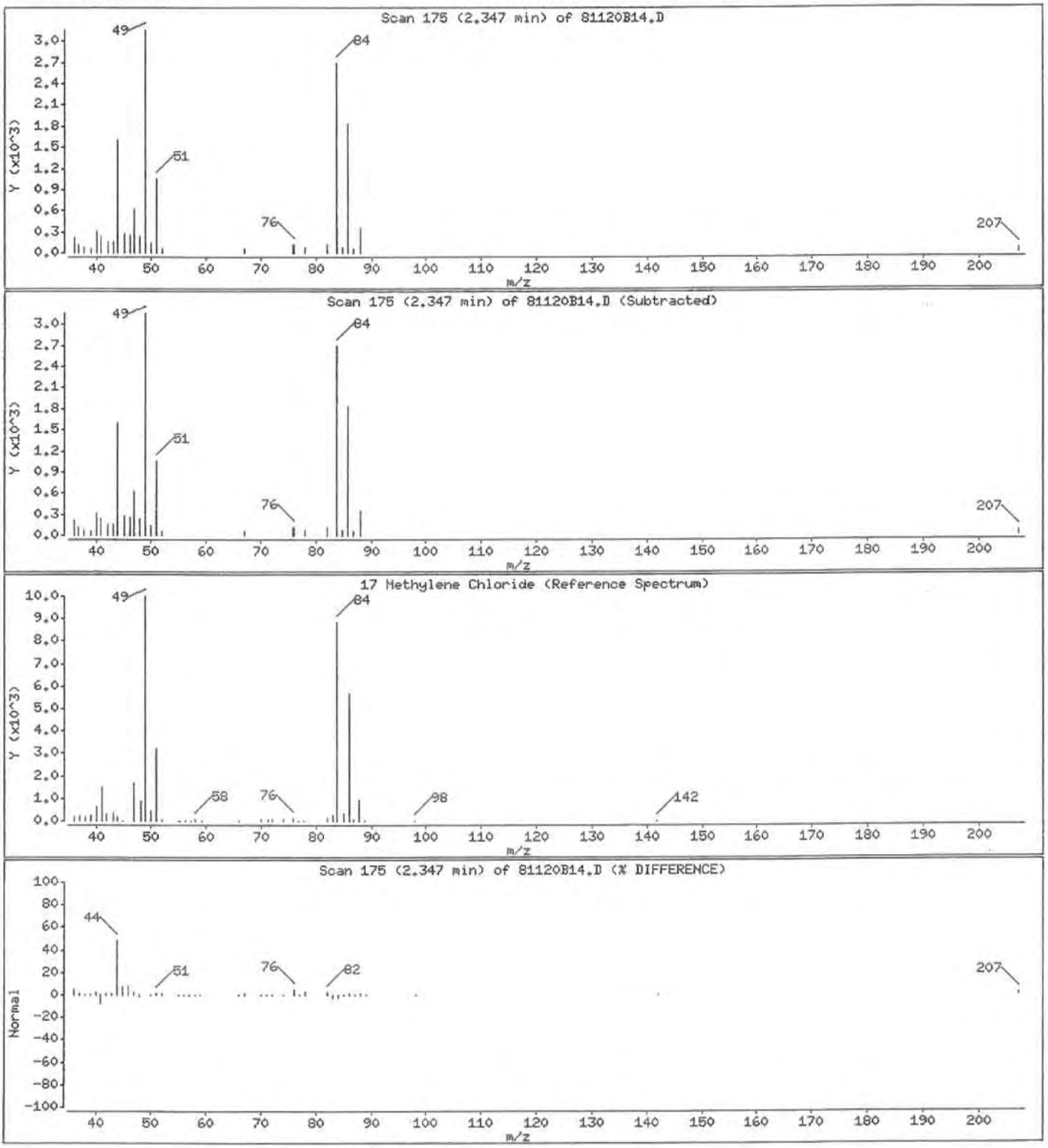
Client ID: Y3QP2 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2301 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B14.D

Date : 20-NOV-2007 12:49

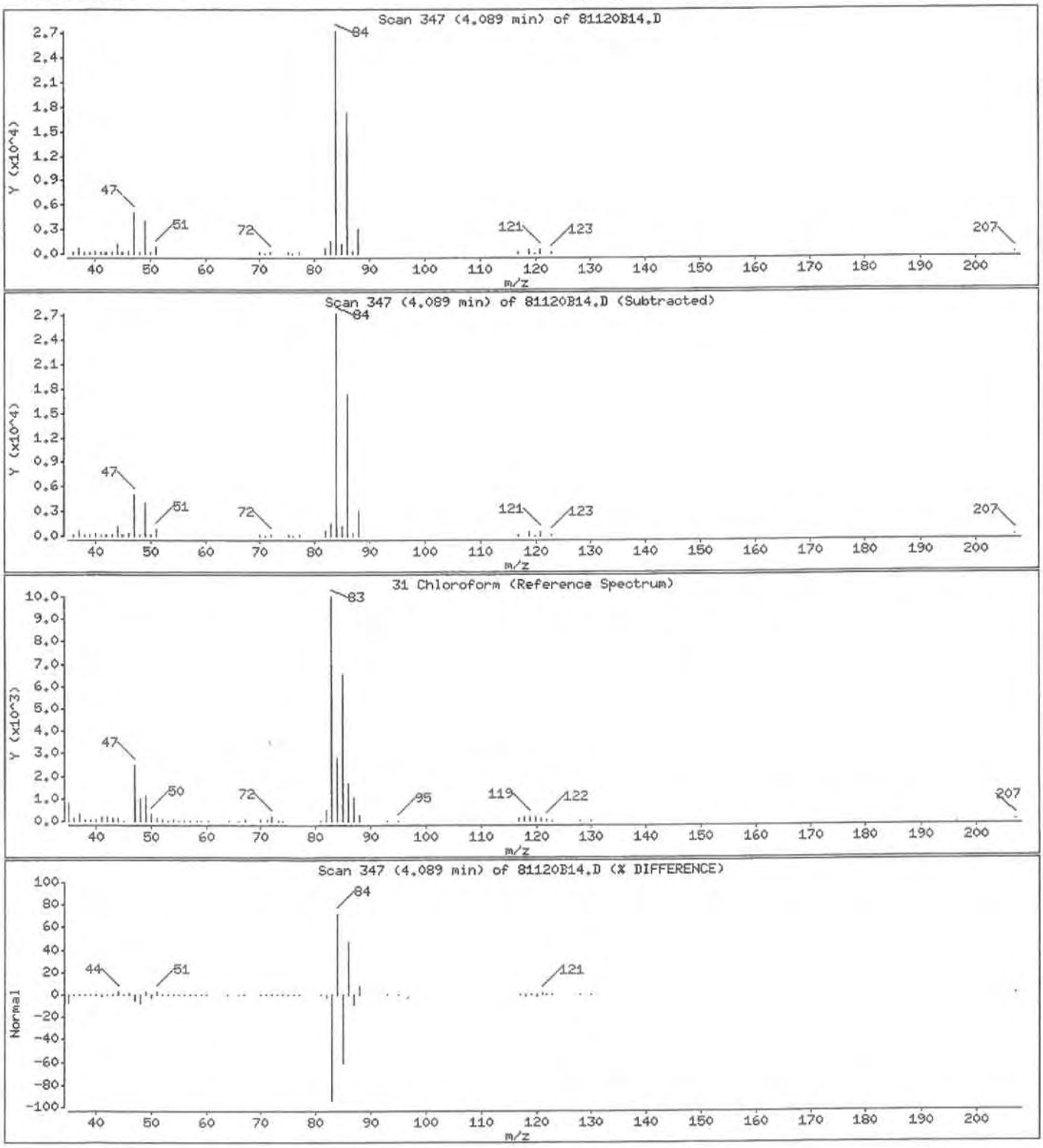
Client ID: Y3QP2 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0846 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B14.D

Date : 20-NOV-2007 12:49

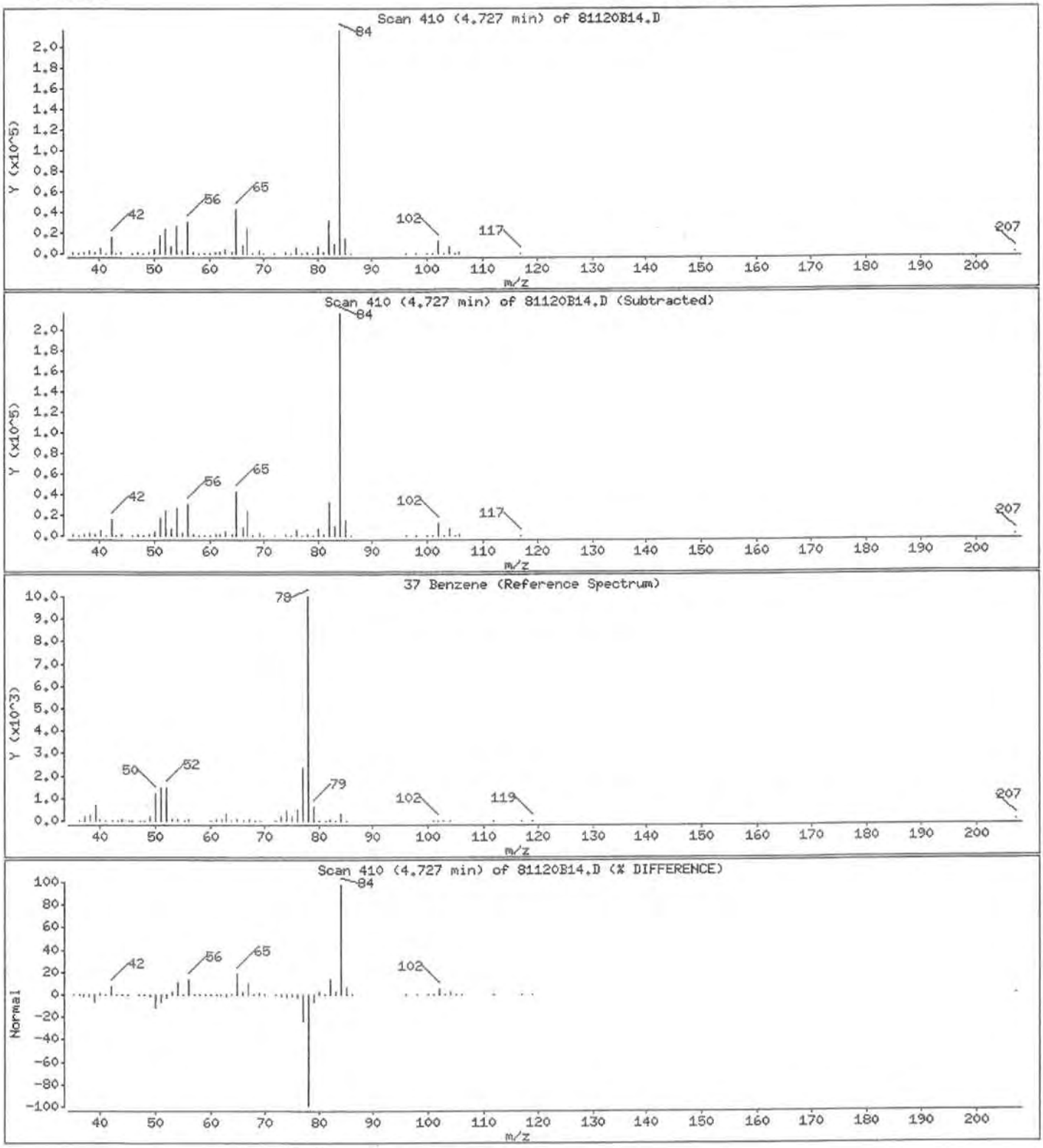
Client ID: Y3QP2 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

37 Benzene Concentration: 0.0500 ug/L



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Date : 20-NOV-2007 12:49

Client ID: Y3QP2

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

Purge Volume: 25.0

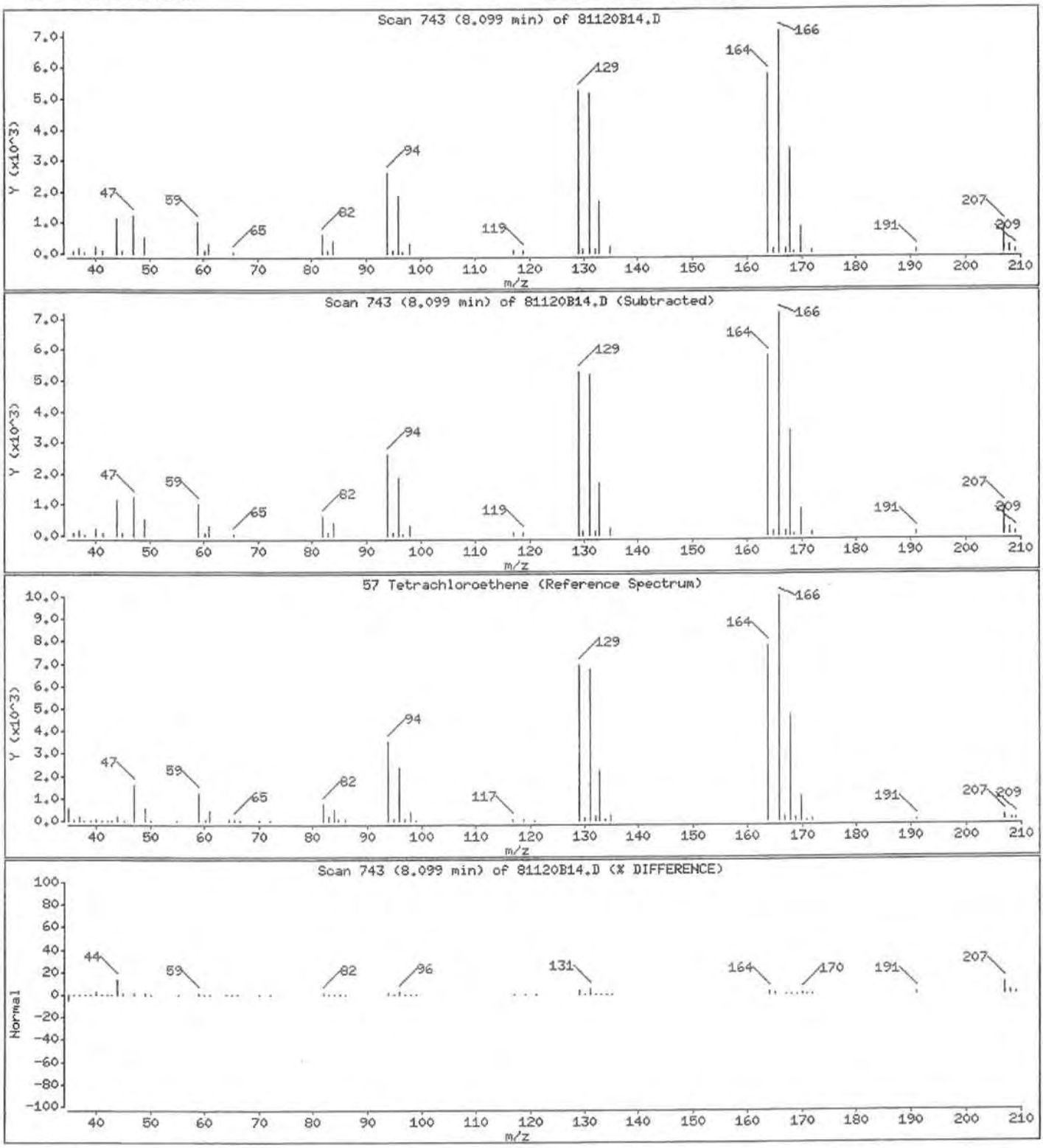
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 0.7276 ug/L



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Date : 20-NOV-2007 12:49

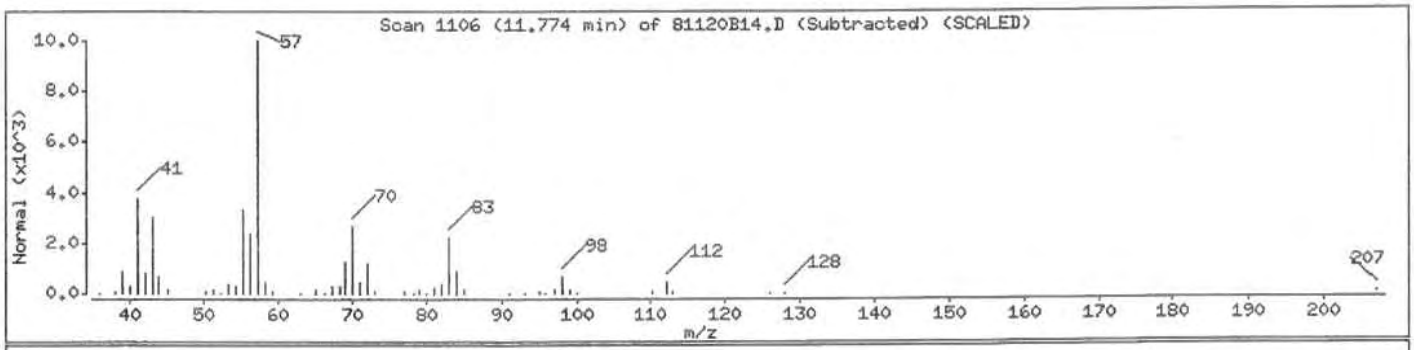
Client ID: Y3QP2 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-003

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



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

EPA SAMPLE NO.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.5	JB
75-15-0	Carbon Disulfide	0.11	J
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.095	JB
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.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.065	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	0.51	
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.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B15.D
Lab Smp Id: IK16006-004 Client Smp ID: Y3QP3
Inj Date : 20-NOV-2007 13:11
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-004
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 12
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)	CONCENTRATIONS FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl Chloride-d3	65	1.222	1.223	(0.230)	69944	8.53388	8.5338(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	80451	8.07666	8.0766(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)	187470	5.13900	5.1389
	13 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.043	2.023	(0.384)	7831	1.52784	1.5278(a)
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	6773	0.10957	0.1095(a)
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.347	(0.442)	6695	0.24422	0.2442(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	3.633	(0.686)	469921	52.8887	52.8887(Q)
	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)	218795	5.76726	5.7672
	31 Chloroform	83	4.088	4.088	(0.769)	3351	0.09496	0.0949(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	110664	5.67559	5.6755
$	36	Benzene-d6	84	4.716	4.716	(0.510)	493752	5.90142	5.9014
	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)	423243	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	145891	5.28145	5.2814
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.144	6.144	(1.156)	9215	86.8210	86.8210(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)	205557	4.54061	4.5406
	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)	413462	5.69416	5.6941
	53	Toluene	91	7.359	7.359	(0.795)	5452	0.06495	0.0649(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)	7781	0.51193	0.5119
$	58	2-Hexanone-d5	63	8.291	8.281	(0.896)	452923	53.8360	53.8360
	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)	379919	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)	121776	5.19070	5.1906
	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)	207968	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	165384	5.59398	5.5939
	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\8nov2007.b\81120B15.D
Lab Smp Id: IK16006-004 Client Smp ID: Y3QP3
Inj Date : 20-NOV-2007 13:11
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-004
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 12
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\8nov2007.b\81120B15.D

Date : 20-NOV-2007 13:11

Client ID: Y3QP3

Instrument: msd8.i

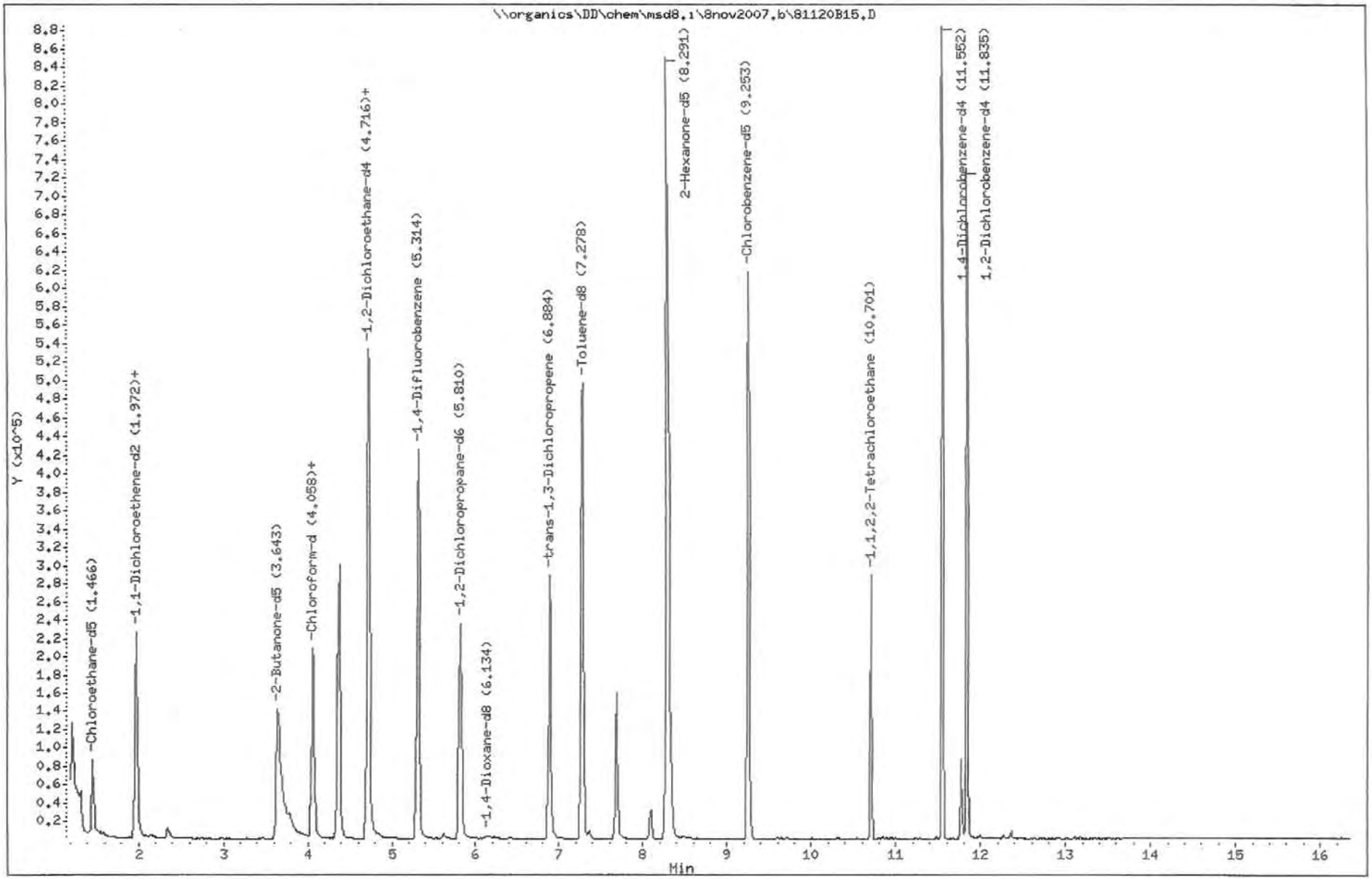
Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



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Date : 20-NOV-2007 13:11

Client ID: Y3QP3

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0

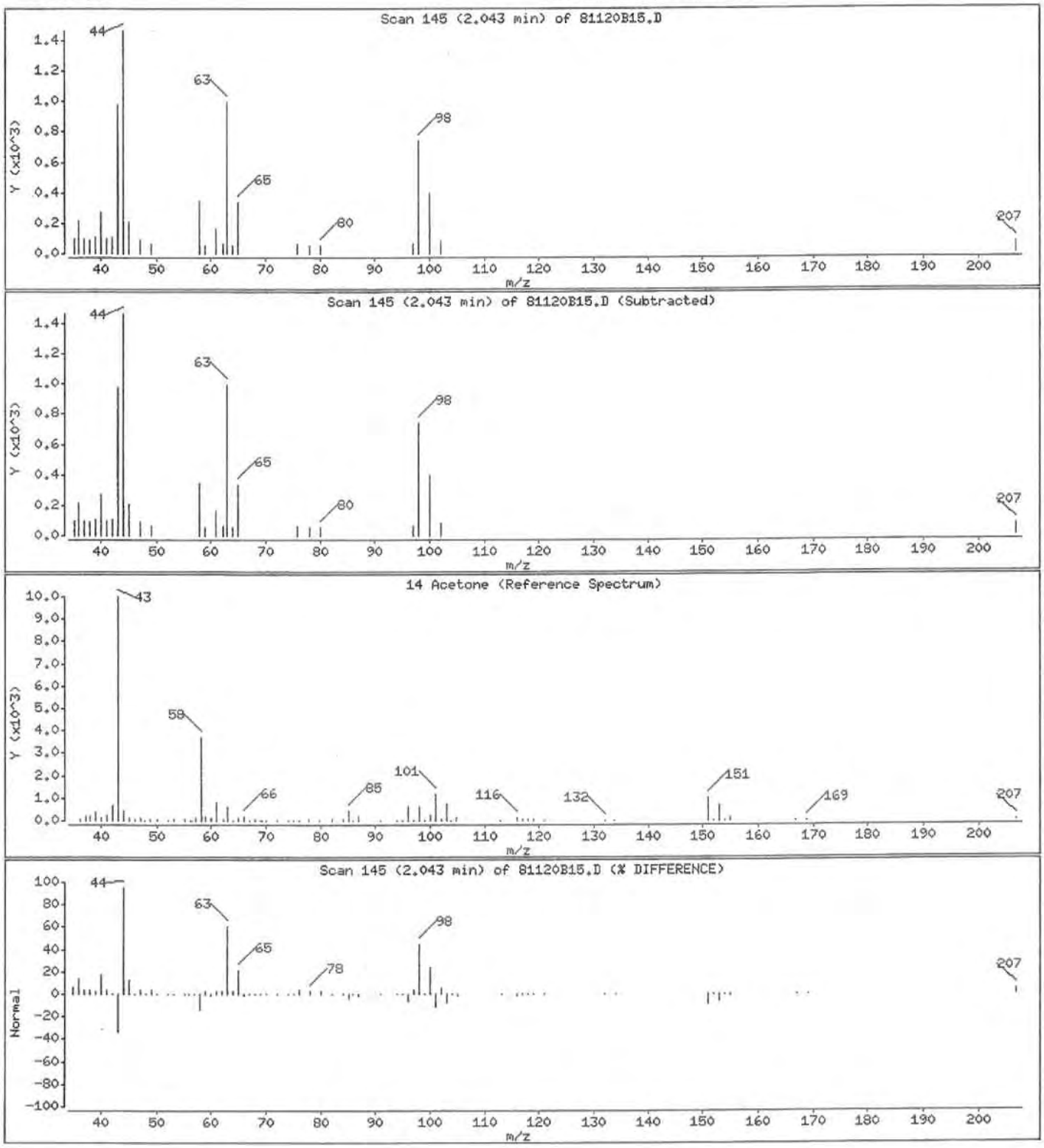
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 1.5278 ug/L



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Date : 20-NOV-2007 13:11

Client ID: Y3QP3

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0

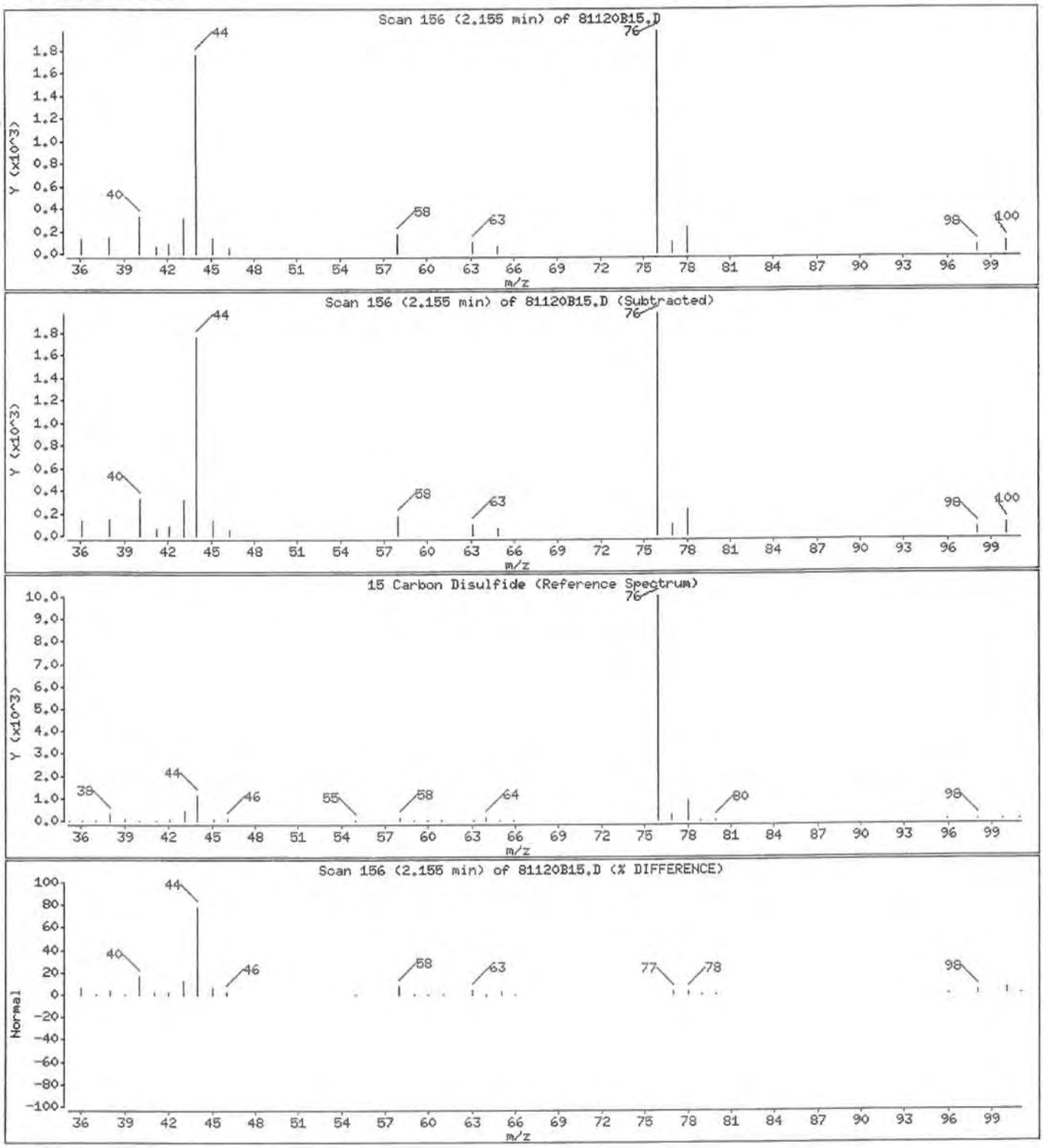
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

15 Carbon Disulfide

Concentration: 0.1095 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B15.D

Date : 20-NOV-2007 13:11

Client ID: Y3QP3

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0

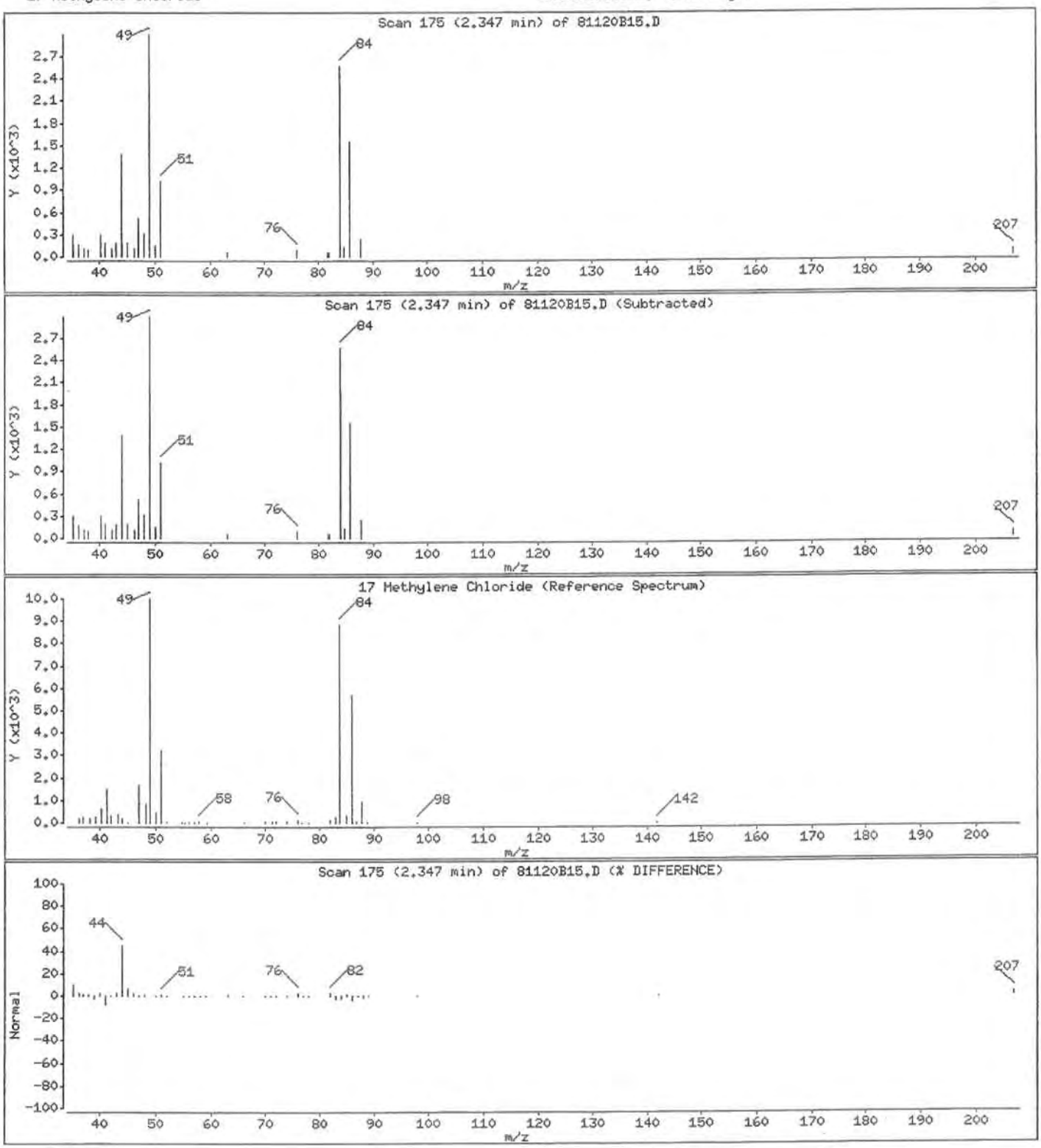
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2442 ug/L



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Date : 20-NOV-2007 13:11

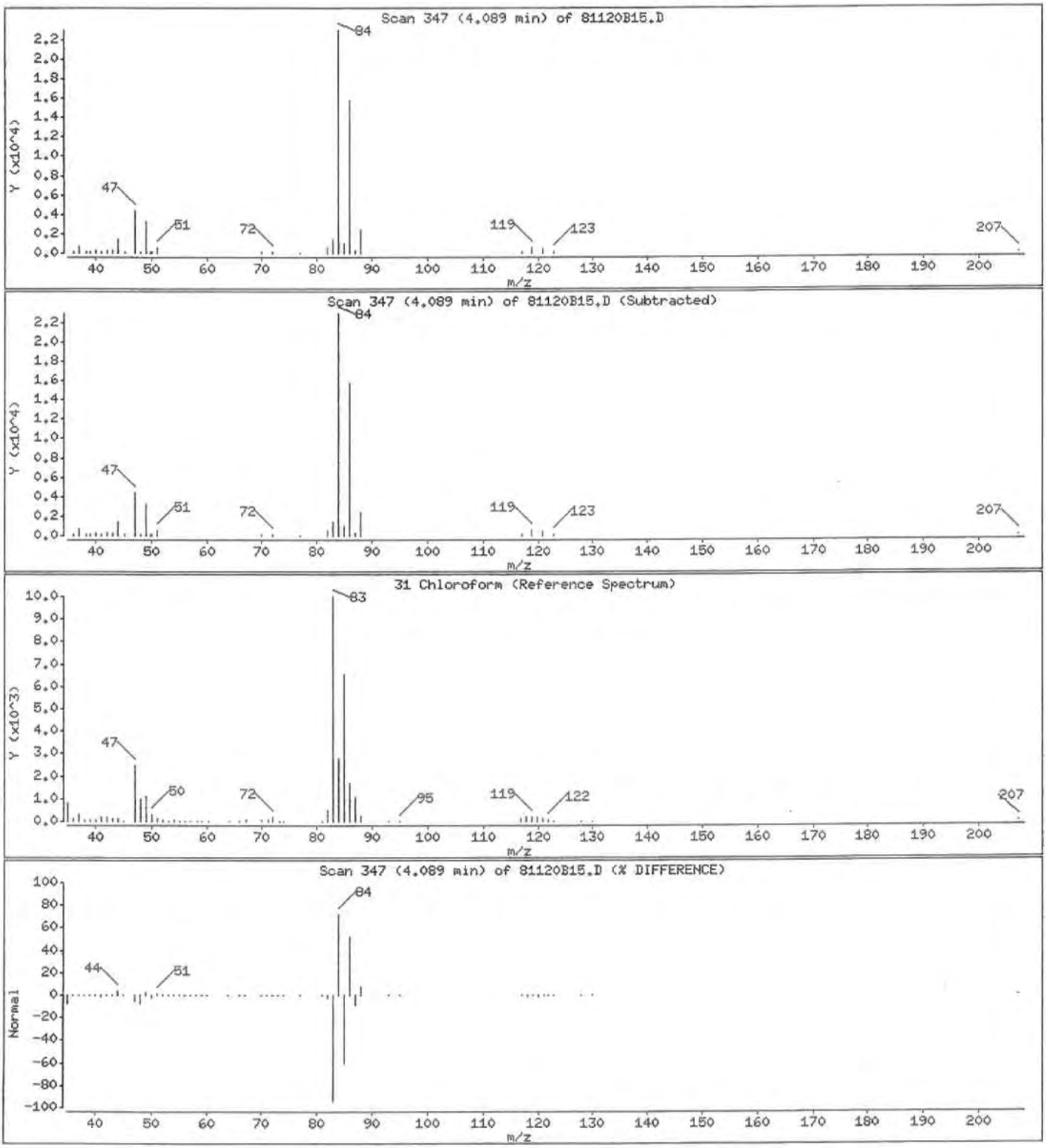
Client ID: Y3QP3 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0949 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B15.D

Date : 20-NOV-2007 13:11

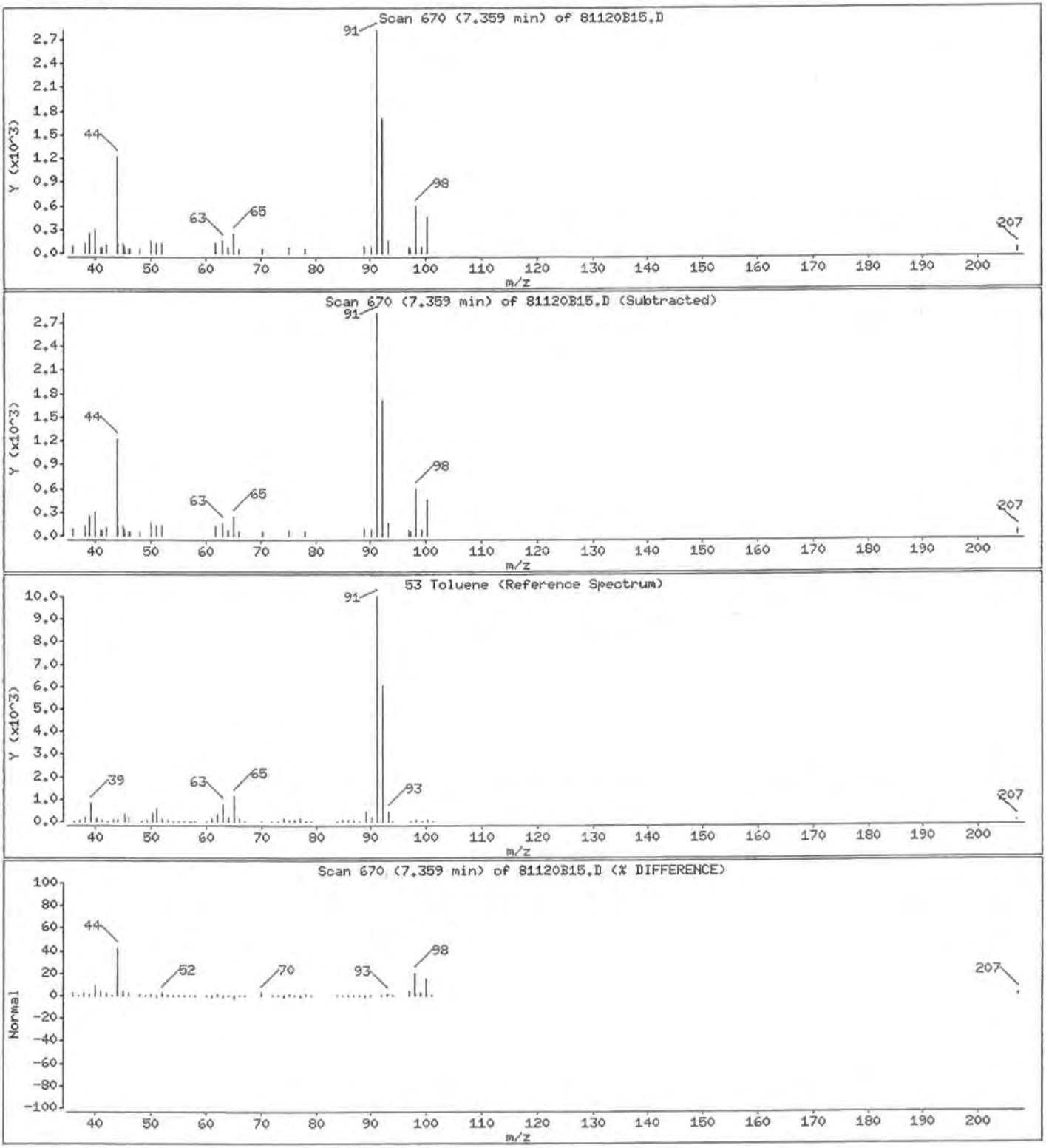
Client ID: Y3QP3 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0649 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B15.D

Date : 20-NOV-2007 13:11

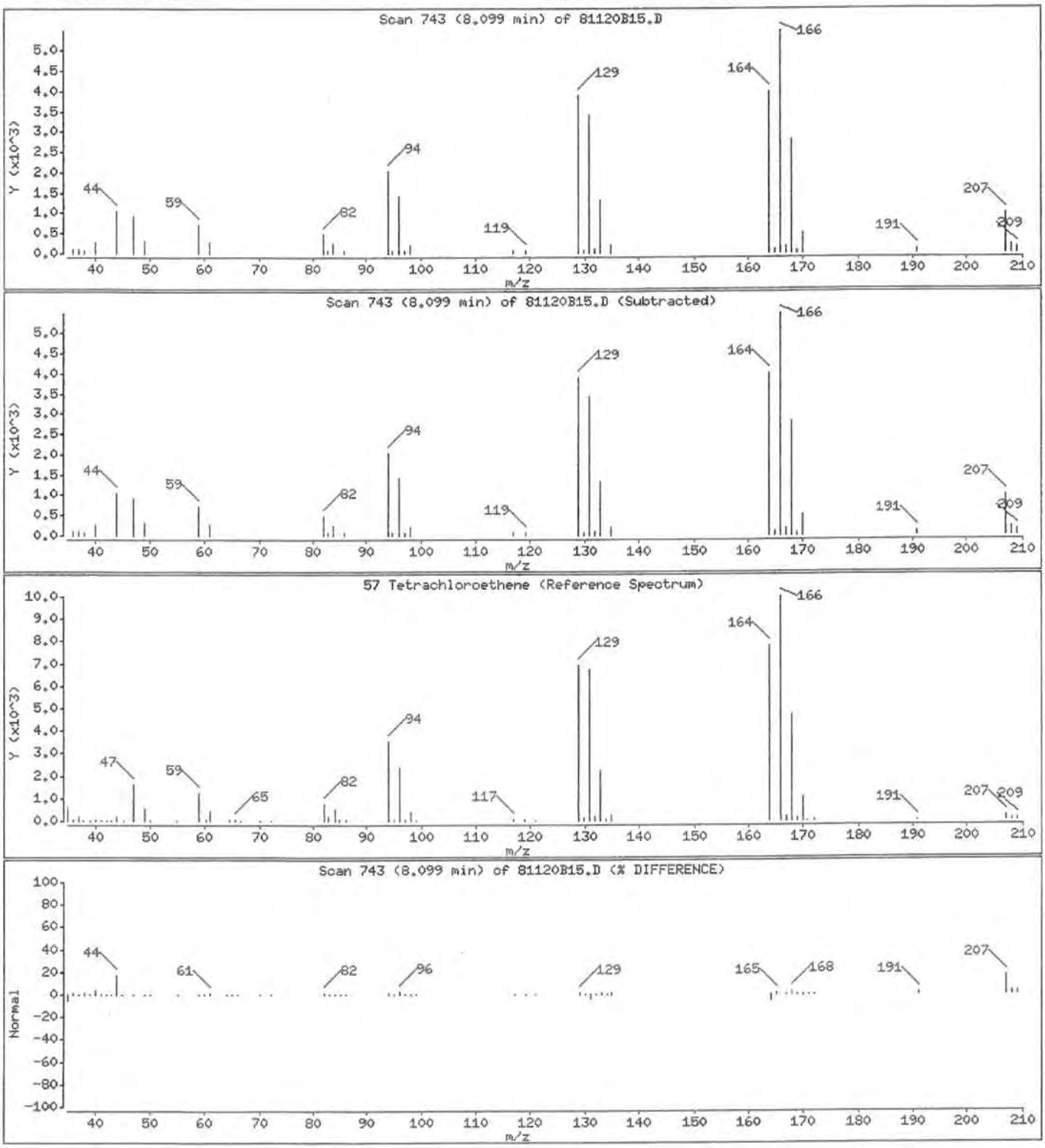
Client ID: Y3QP3 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-004

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

57 Tetrachloroethene Concentration: 0.5119 ug/L



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

EPA SAMPLE NO.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.085	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.3	JB
75-15-0	Carbon Disulfide	0.078	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.21	JB
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.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.83	
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	6.9	
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.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D
Lab Smp Id: IK16006-005 Client Smp ID: Y3QP4
Inj Date : 20-NOV-2007 13:32
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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	1.222	1.223	(0.230)	68134	8.27753	8.2775(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	75634	7.56063	7.5606(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)	183543	5.00986	5.0098
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	1631	0.08457	0.0845(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.033	2.023	(0.383)	12010	2.33316	2.3331(a)
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	4841	0.07798	0.0779(a)
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.347	(0.442)	6417	0.23308	0.2330(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	3.633	(0.686)	485069	54.3604	54.3603(Q)
	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)	209113	5.48850	5.4885
	31 Chloroform	83	4.088	4.088	(0.769)	7481	0.21109	0.2110(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)	107867	5.50850	5.5085
$	36 Benzene-d6	84	4.726	4.716	(0.511)	483482	5.67224	5.6722
	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)	425059	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	17484	0.82957	0.8295
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	144207	5.12433	5.1243
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.113	6.144	(1.151)	23888	224.104	224.1042(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)	203612	4.41480	4.4148
	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)	403774	5.45831	5.4583
	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	8.098	8.098	(0.875)	107052	6.91350	6.9135
$	58 2-Hexanone-d5	63	8.291	8.281	(0.896)	461949	53.8975	53.8975
	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)	387048	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)	118654	4.96447	4.9644
	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)	210645	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	163298	5.45322	5.4532
	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.

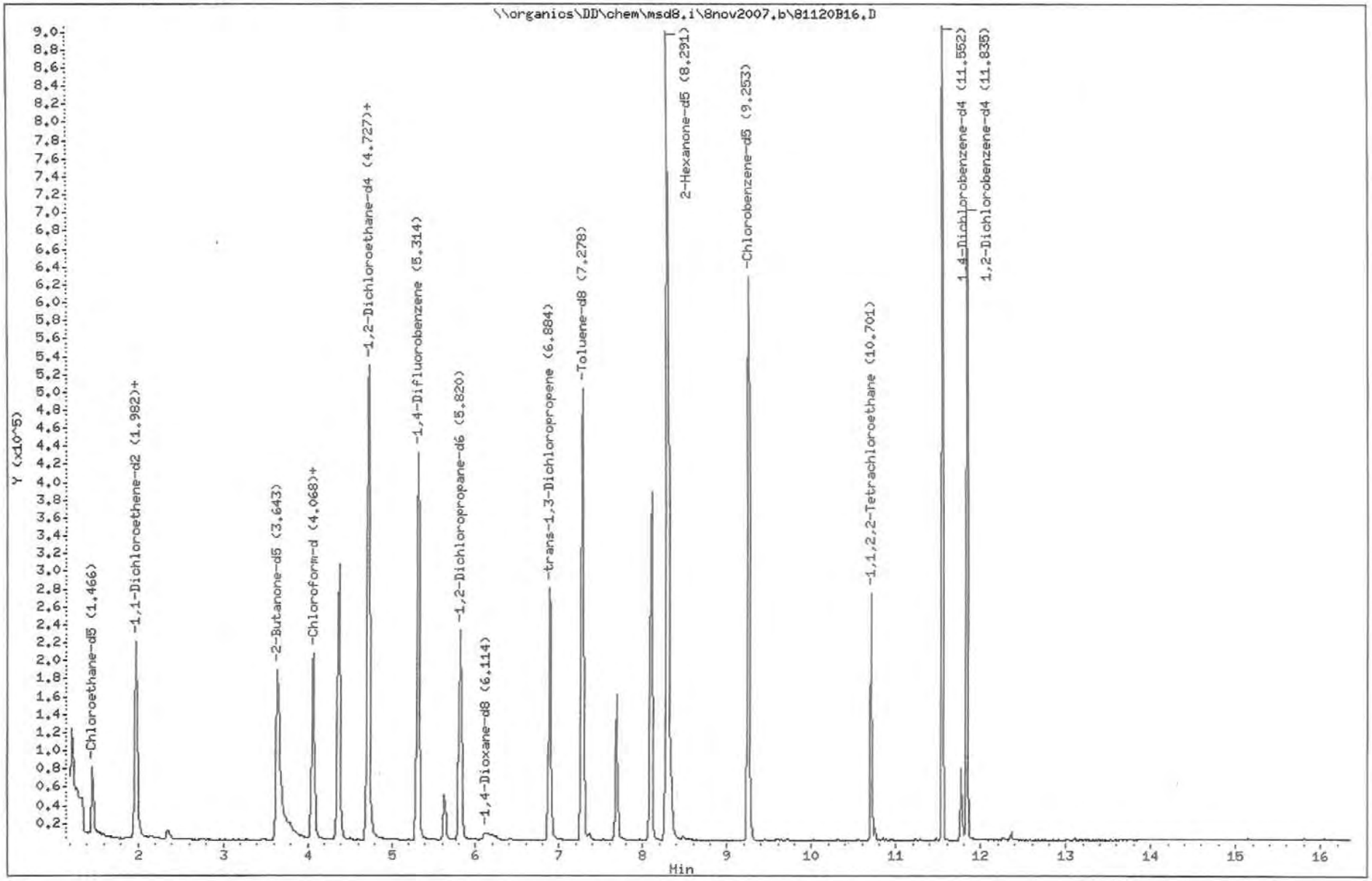
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D
Lab Smp Id: IK16006-005 Client Smp ID: Y3QP4
Inj Date : 20-NOV-2007 13:32
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 13
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\8nov2007.b\81120B16.D
Date : 20-NOV-2007 13:32
Client ID: Y3QP4
Sample Info: 8nov2007,b, IK16006-005
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

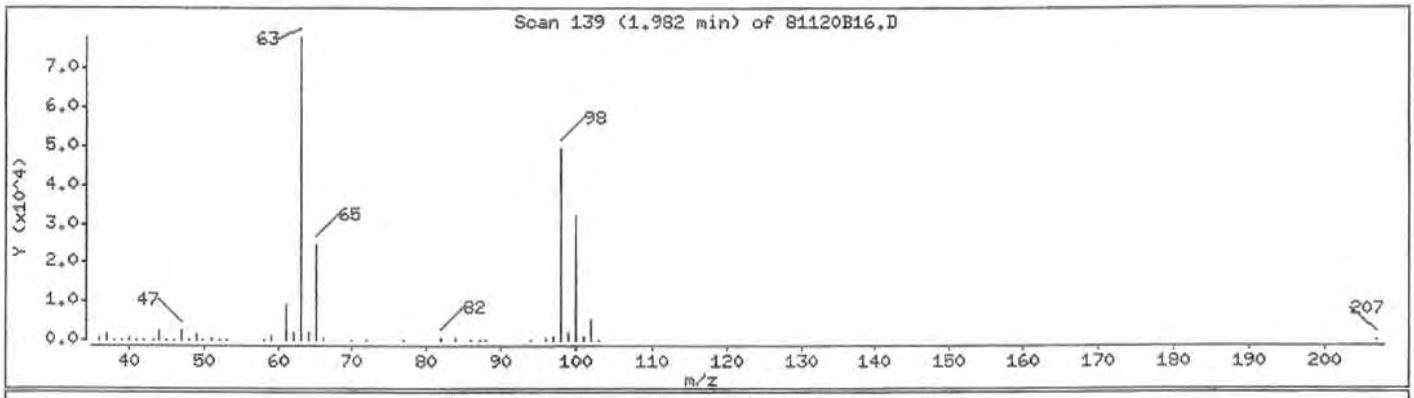
Client ID: Y3QP4 Instrument: msd8.i

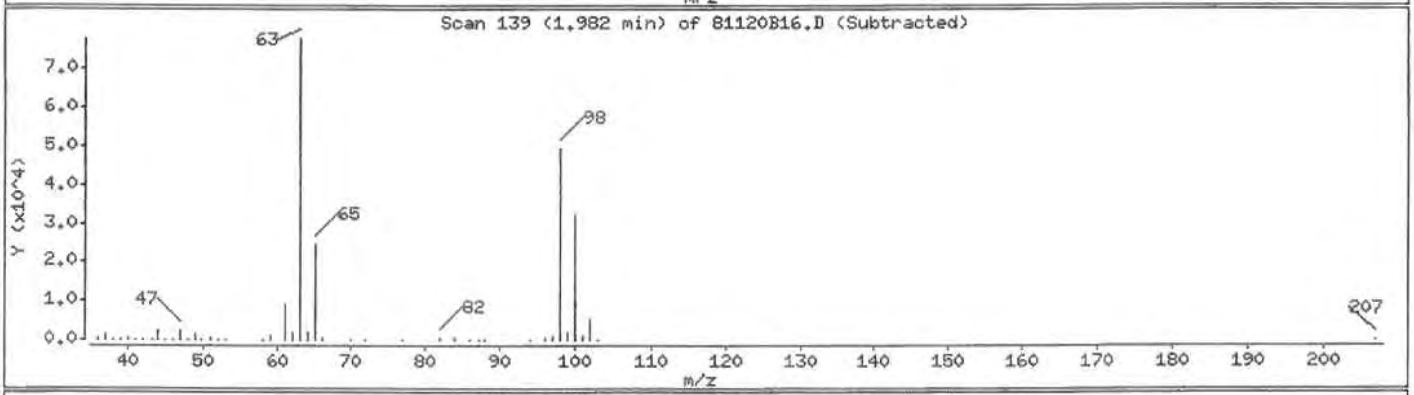
Sample Info: 8nov2007.b, IK16006-005

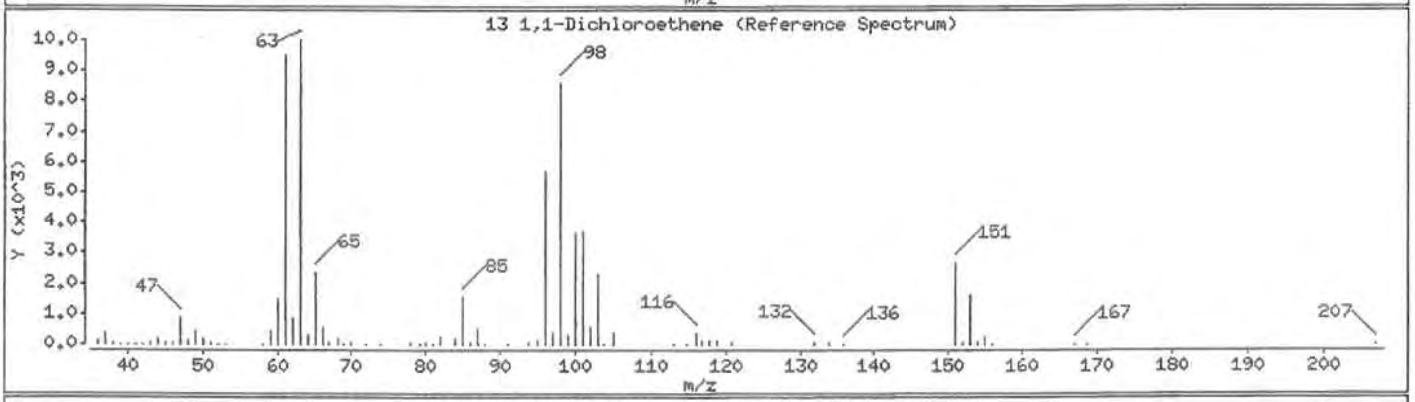
Purge Volume: 25.0 Operator: DLB

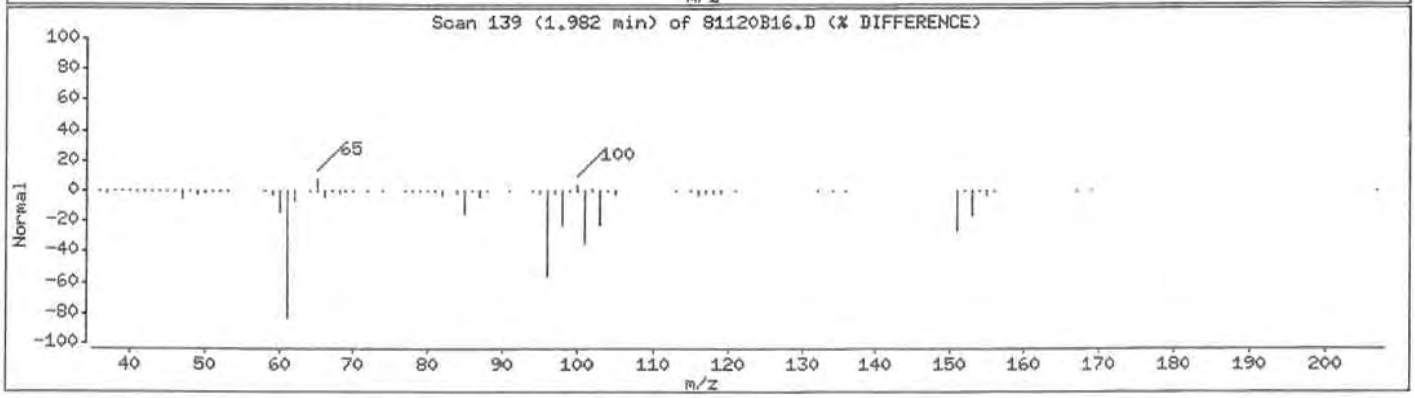
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0845 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

Client ID: Y3QP4

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0

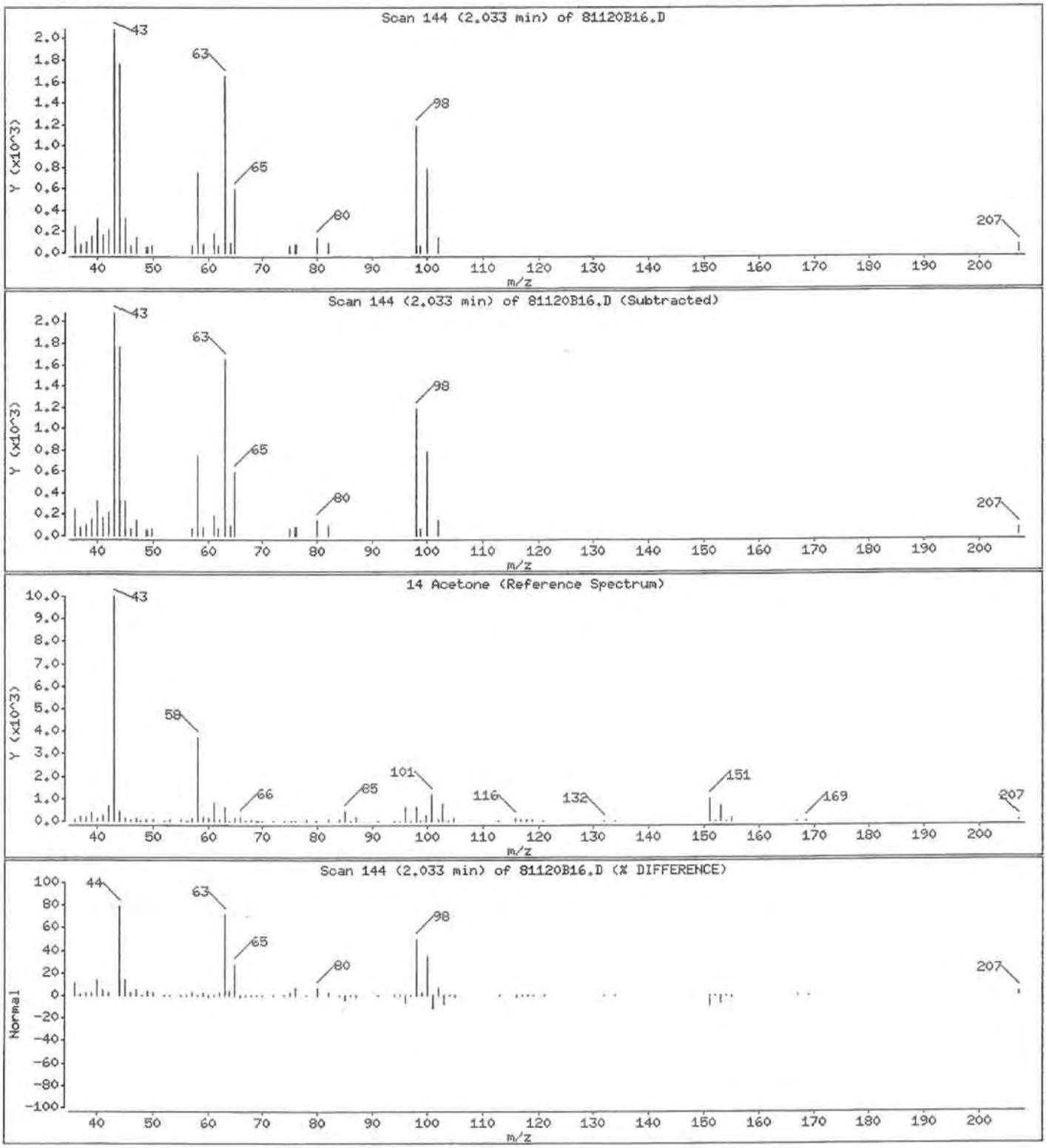
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 2.3331 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

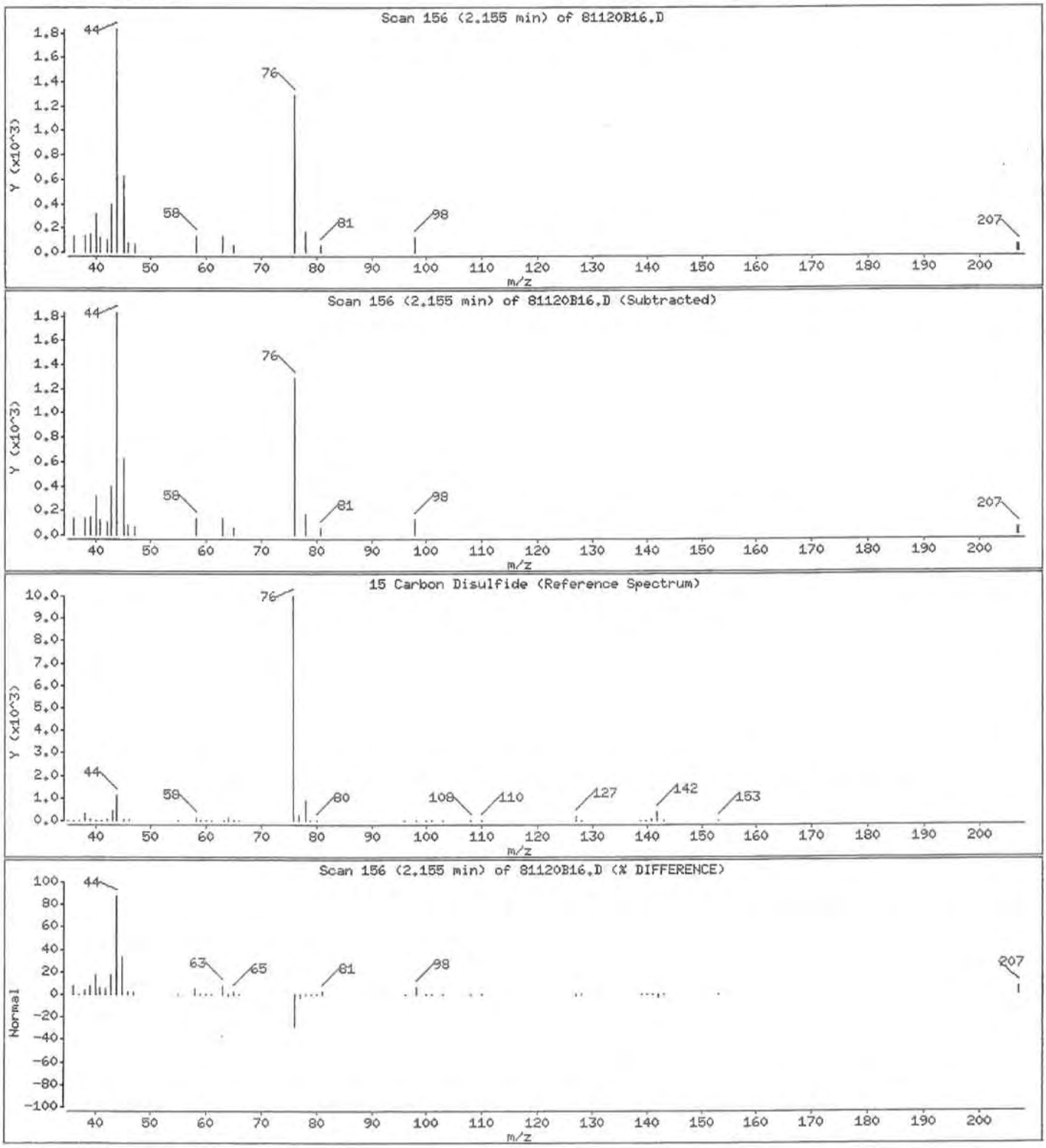
Client ID: Y3QP4 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

15 Carbon Disulfide Concentration: 0.0779 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

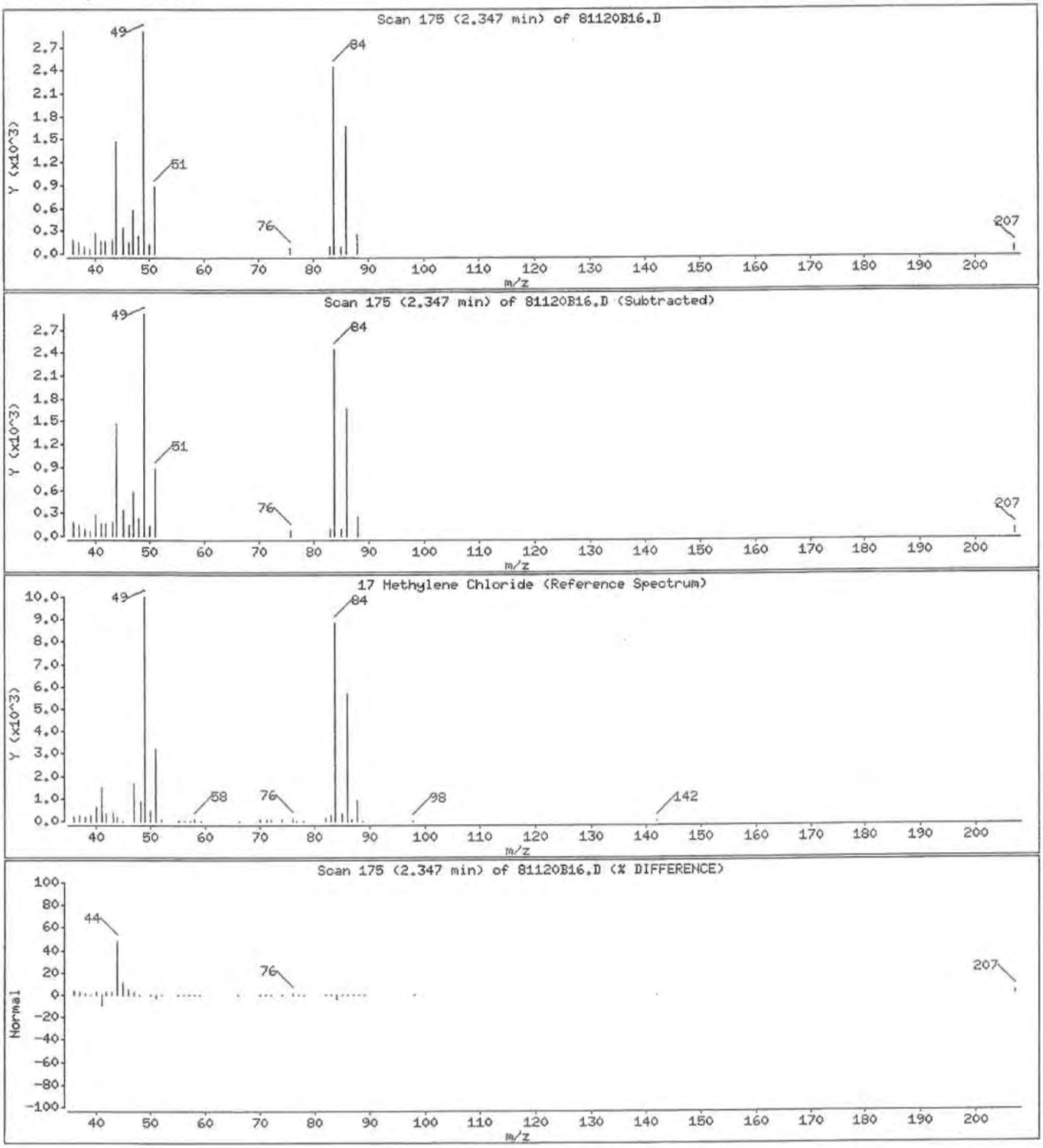
Client ID: Y3QP4 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2330 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

Client ID: Y3QP4

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0

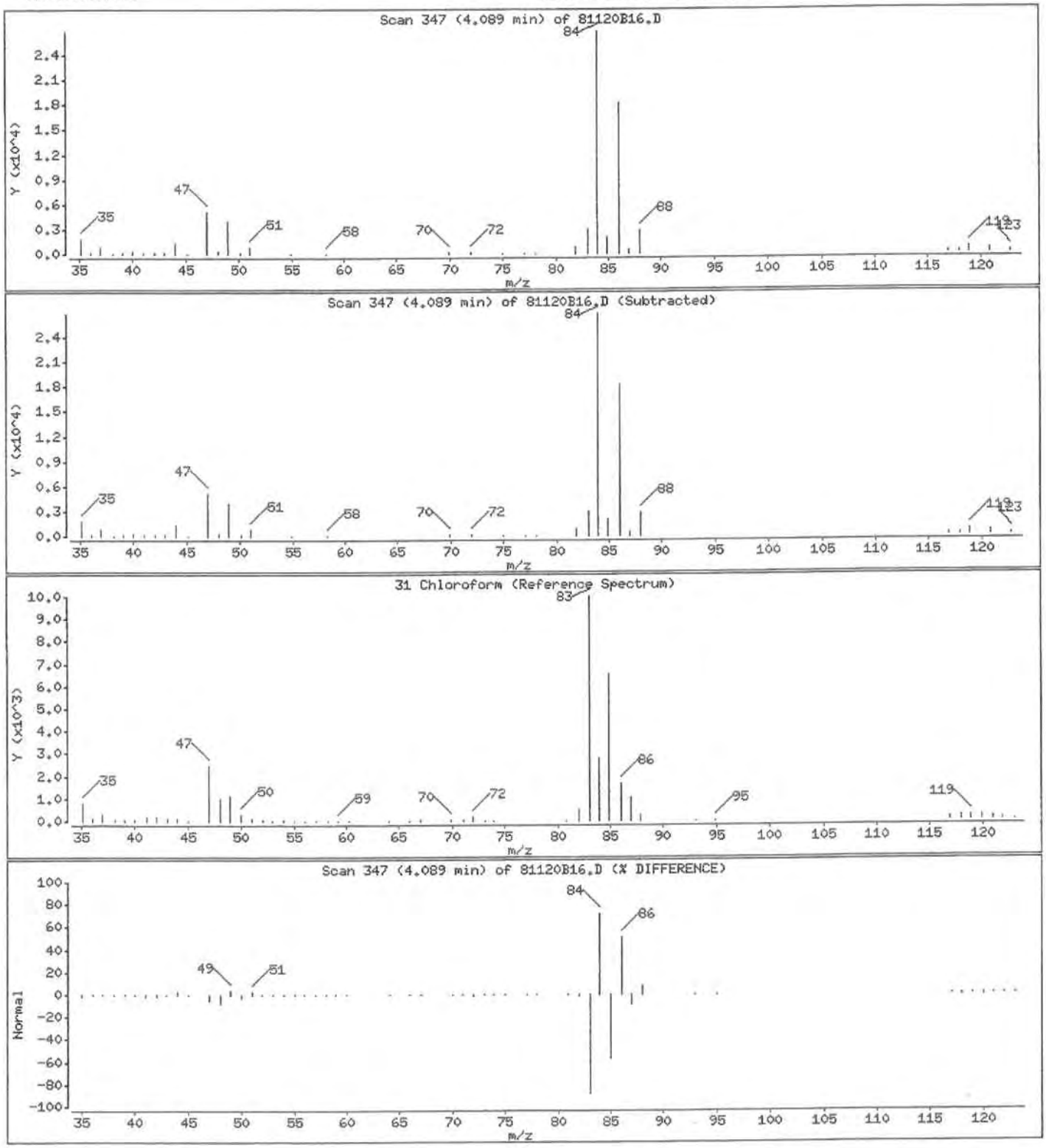
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.2110 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

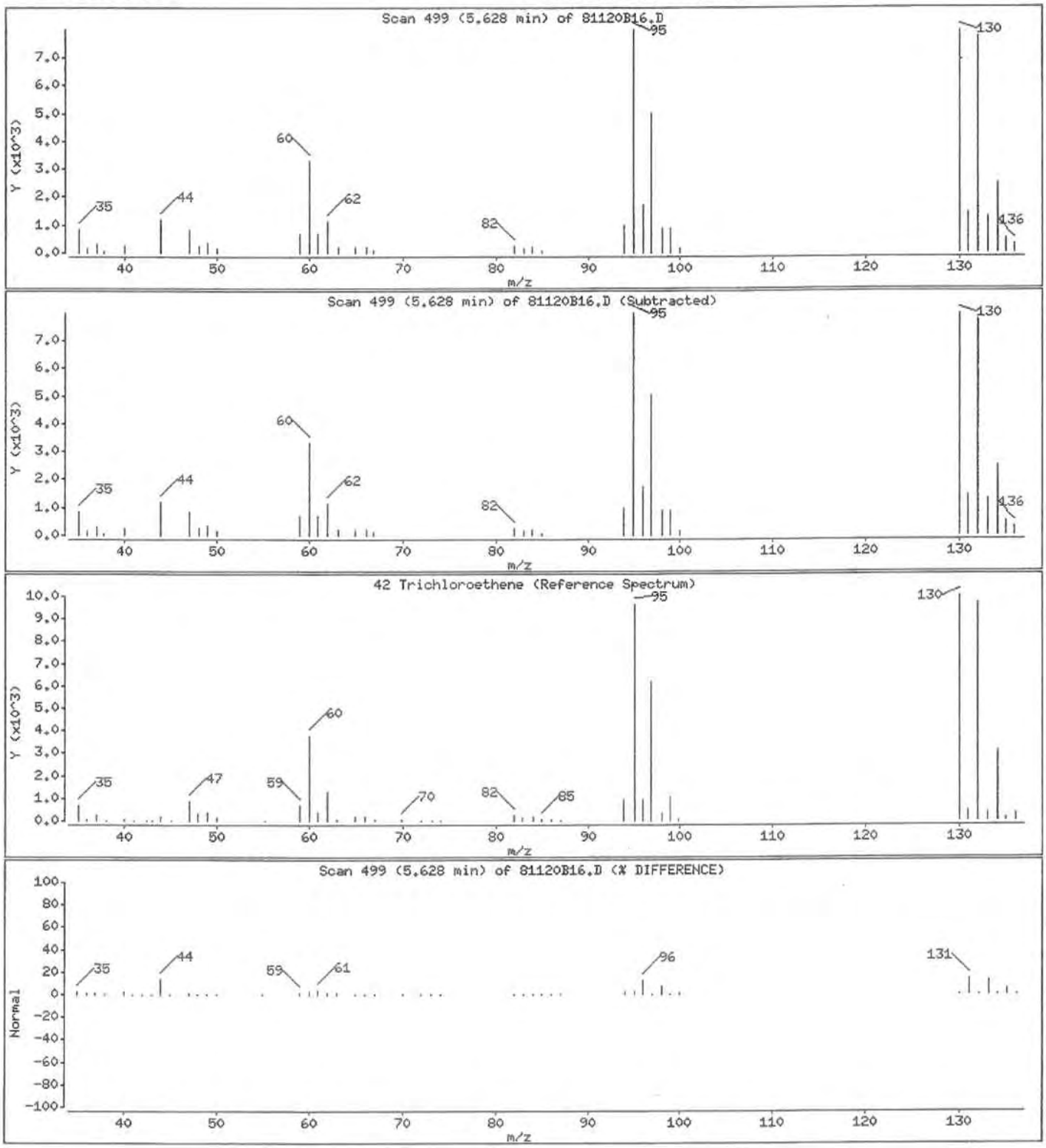
Client ID: Y3QP4 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 0.8295 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B16.D

Date : 20-NOV-2007 13:32

Client ID: Y3QP4

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-005

Purge Volume: 25.0

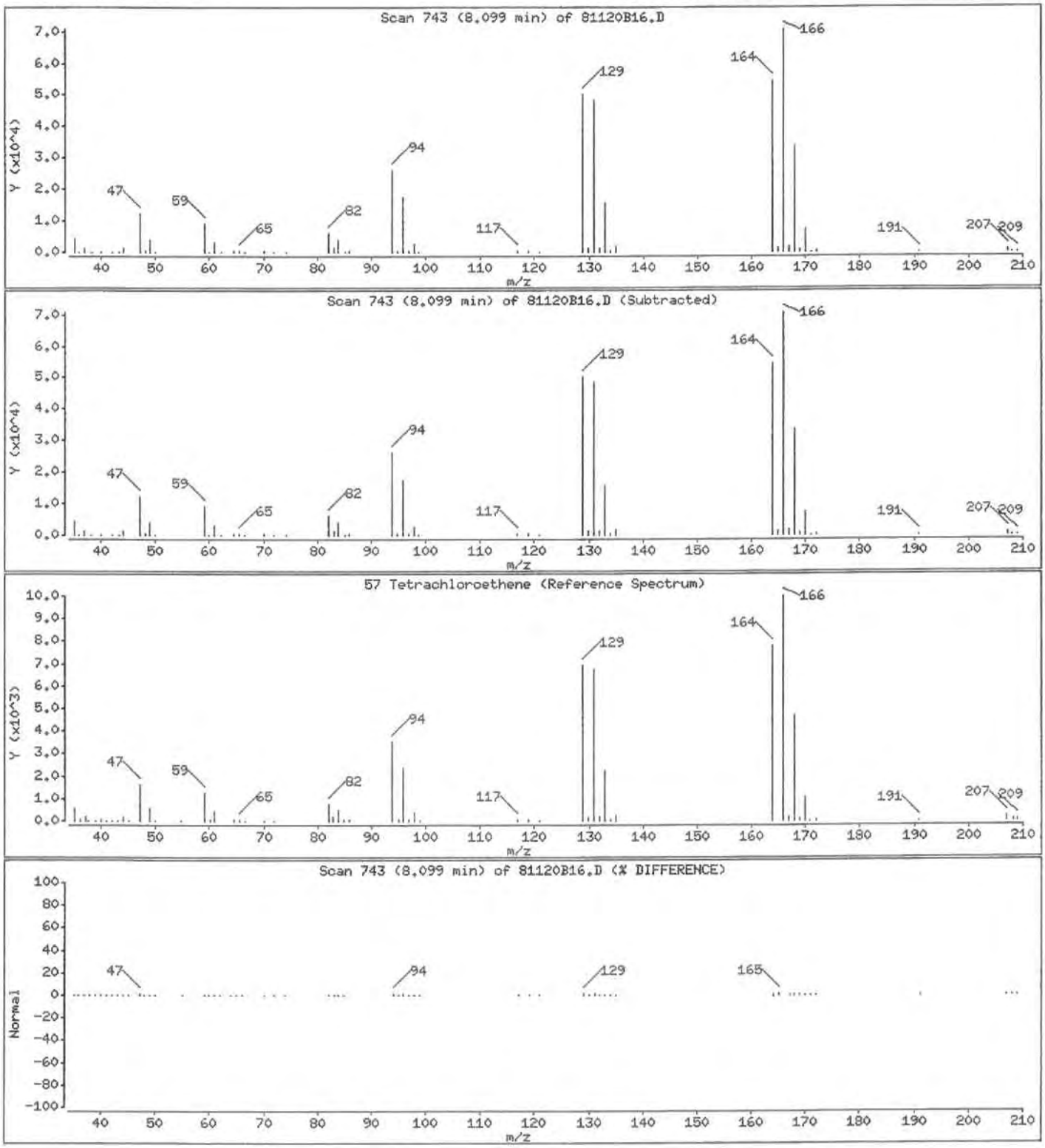
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 6.9135 ug/L



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

EPA SAMPLE NO.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.082	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	0.10	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.28	JB
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.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	1.4	
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	1.9	
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.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.77	J
02	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.82	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D
Lab Smp Id: IK16006-006 Client Smp ID: Y3QP5
Inj Date : 20-NOV-2007 13:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-006
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 14
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)	66758	8.29477	8.2947(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	74966	7.66425	7.6642(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)	175171	4.89006	4.8900
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	1541	0.08172	0.0817(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	6064	0.09990	0.0999(a)
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.347	2.347	(0.442)	6317	0.23467	0.2346(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	3.633	(0.684)	453521	51.9805	51.9805
	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)	207105	5.55940	5.5593
	31 Chloroform	83	4.088	4.088	(0.769)	9814	0.28321	0.2832(a)
	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)	106310	5.55243	5.5524
$	36 Benzene-d6	84	4.716	4.716	(0.510)	473707	5.69586	5.6958
	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)	415609	5.00000	
	42 Trichloroethene	95	5.628	5.628	(0.608)	28316	1.37696	1.3769
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	141559	5.15542	5.1554
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.134	6.144	(1.154)	25053	240.378	240.3777(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)	205703	4.57113	4.5711
	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)	390240	5.40664	5.4066
	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	8.098	8.098	(0.875)	29178	1.93123	1.9312
$	58 2-Hexanone-d5	63	8.281	8.281	(0.895)	447438	53.5036	53.5035
	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)	377650	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)	112937	4.84286	4.8428
	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)	205657	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	162434	5.55593	5.5559
	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\8nov2007.b\81120B17.D
Lab Smp Id: IK16006-006 Client Smp ID: Y3QP5
Inj Date : 20-NOV-2007 13:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-006
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 14
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	901513	5.000
* 85 1,4-Dichlorobenzene-d4	11.552	1155519	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.795	138089	0.76587497	0.7658	0		0	41
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.775	189596	0.82039116	0.8203	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

Client ID: Y3QP5

Instrument: msd8.i

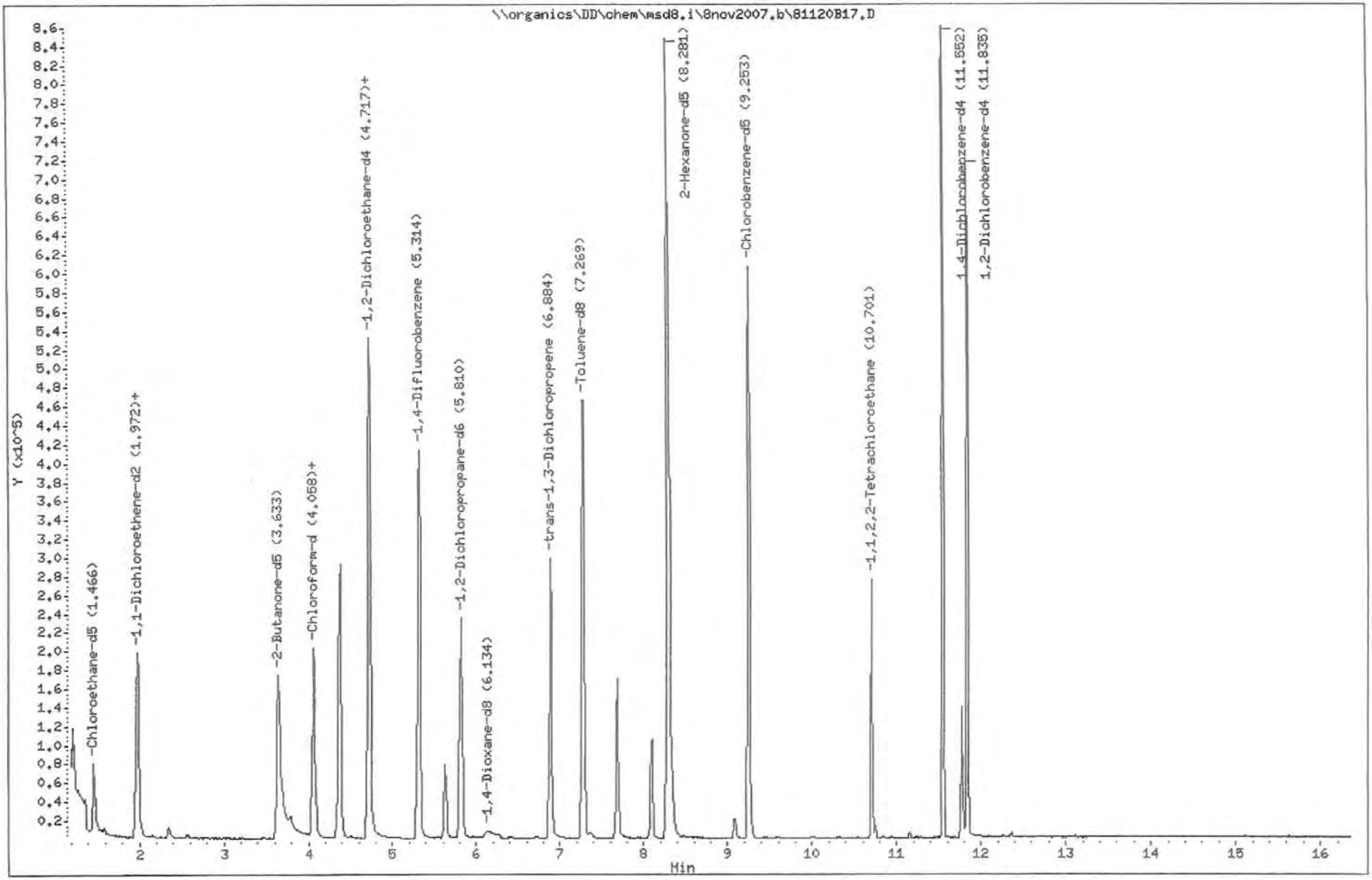
Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

Client ID: Y3QP5

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0

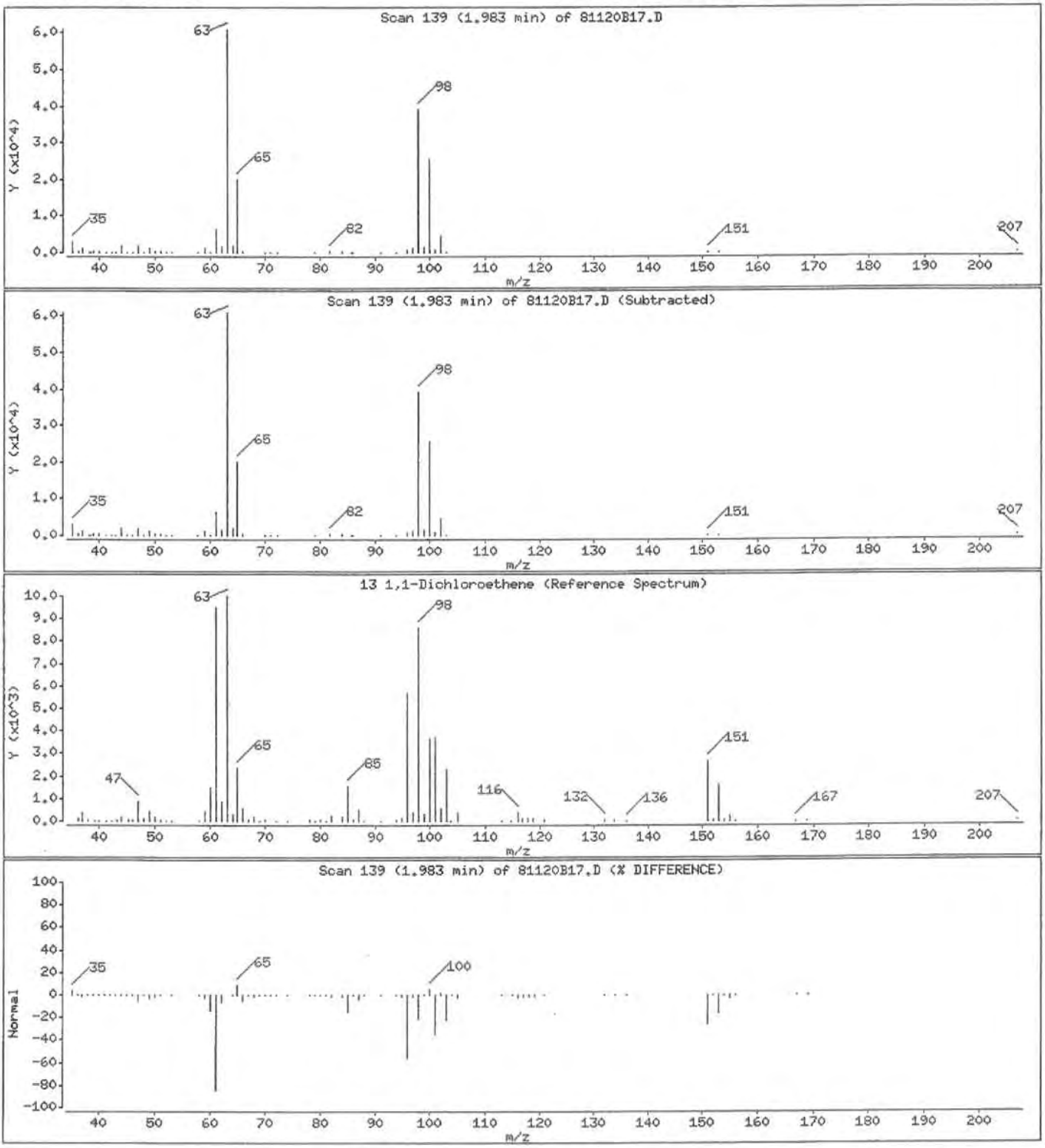
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 0.0817 ug/L



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Date : 20-NOV-2007 13:54

Client ID: Y3QP5

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0

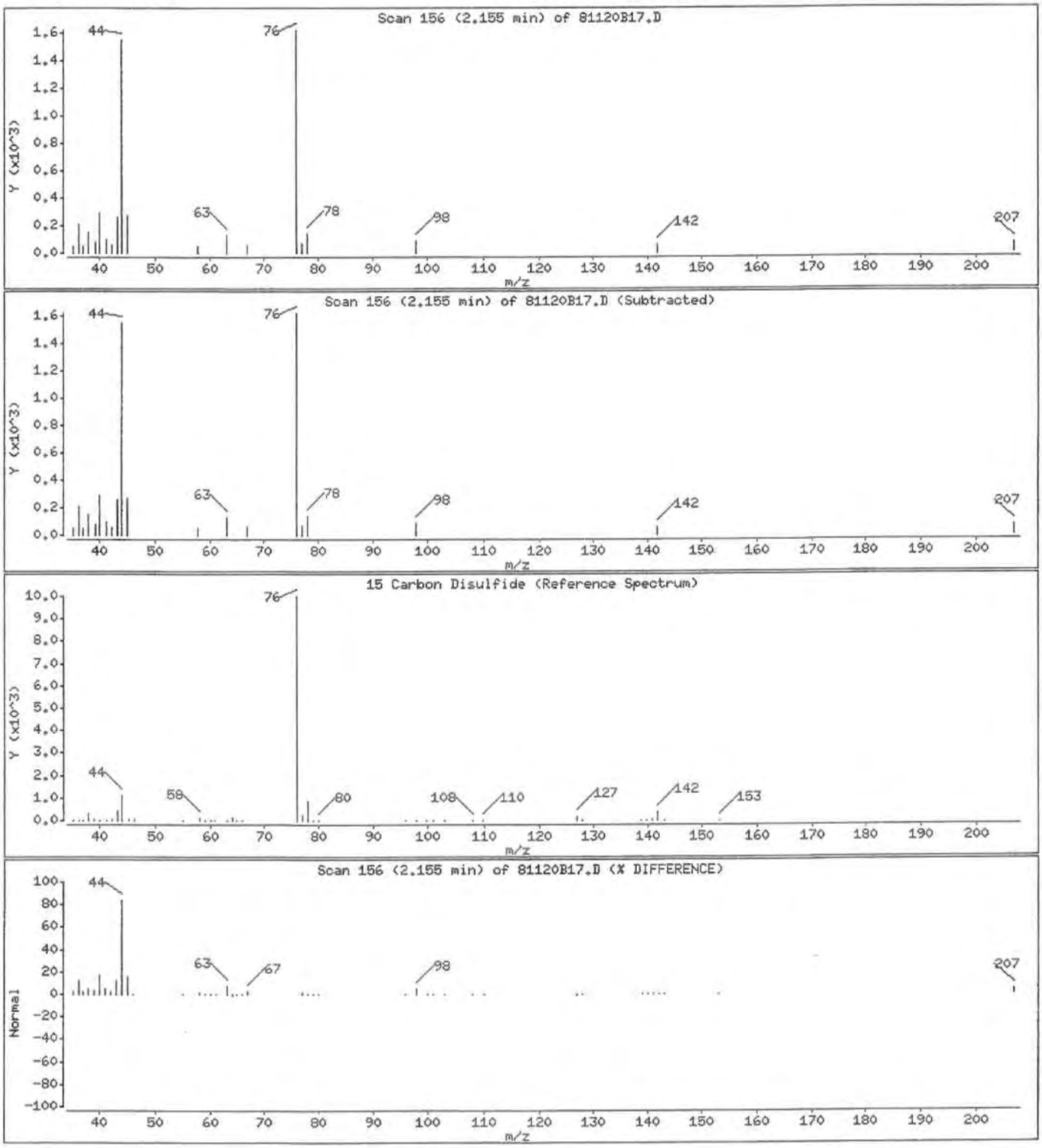
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

15 Carbon Disulfide

Concentration: 0.0999 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

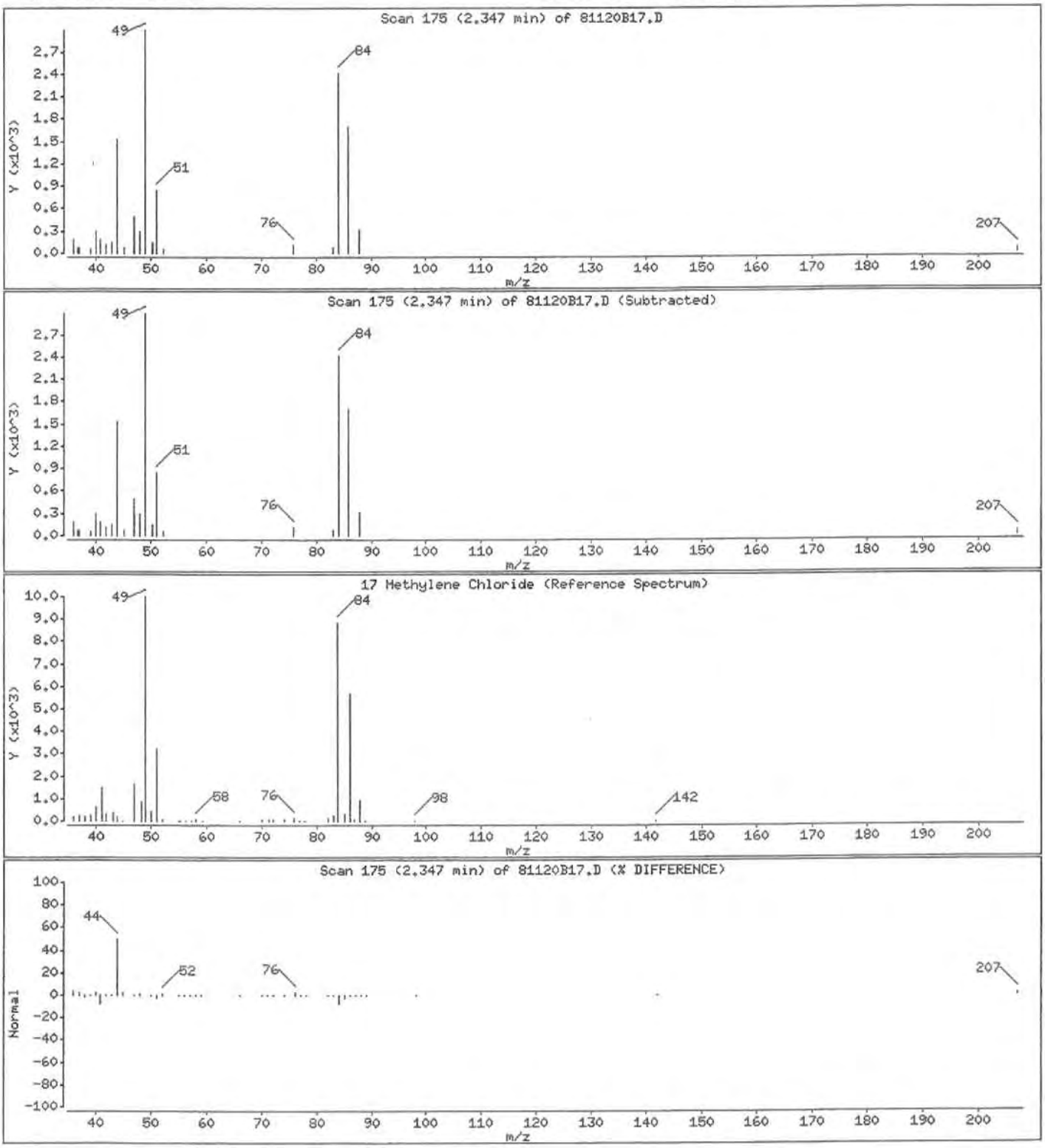
Client ID: Y3QP5 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2346 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

Client ID: Y3QP5

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0

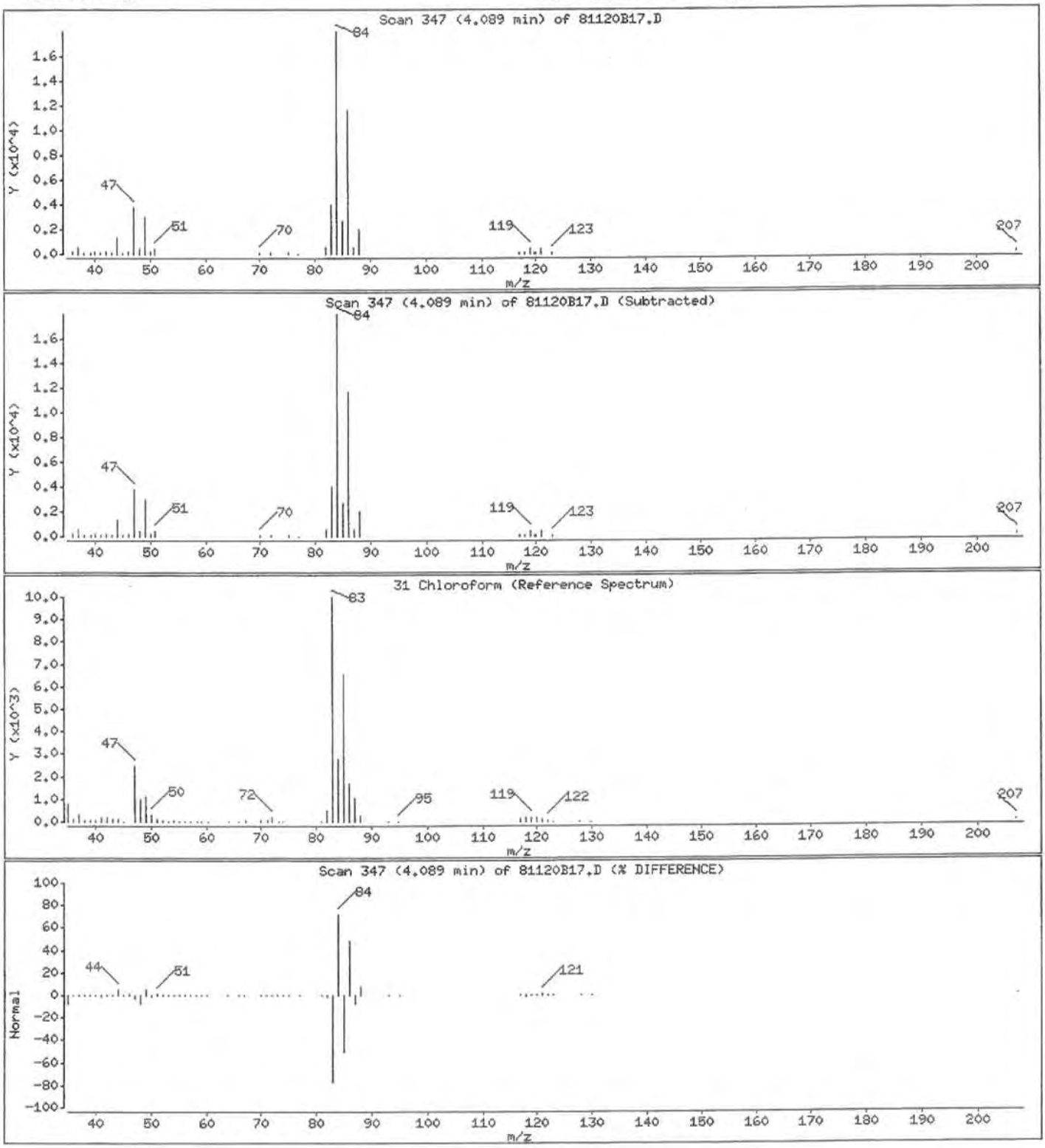
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.2832 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

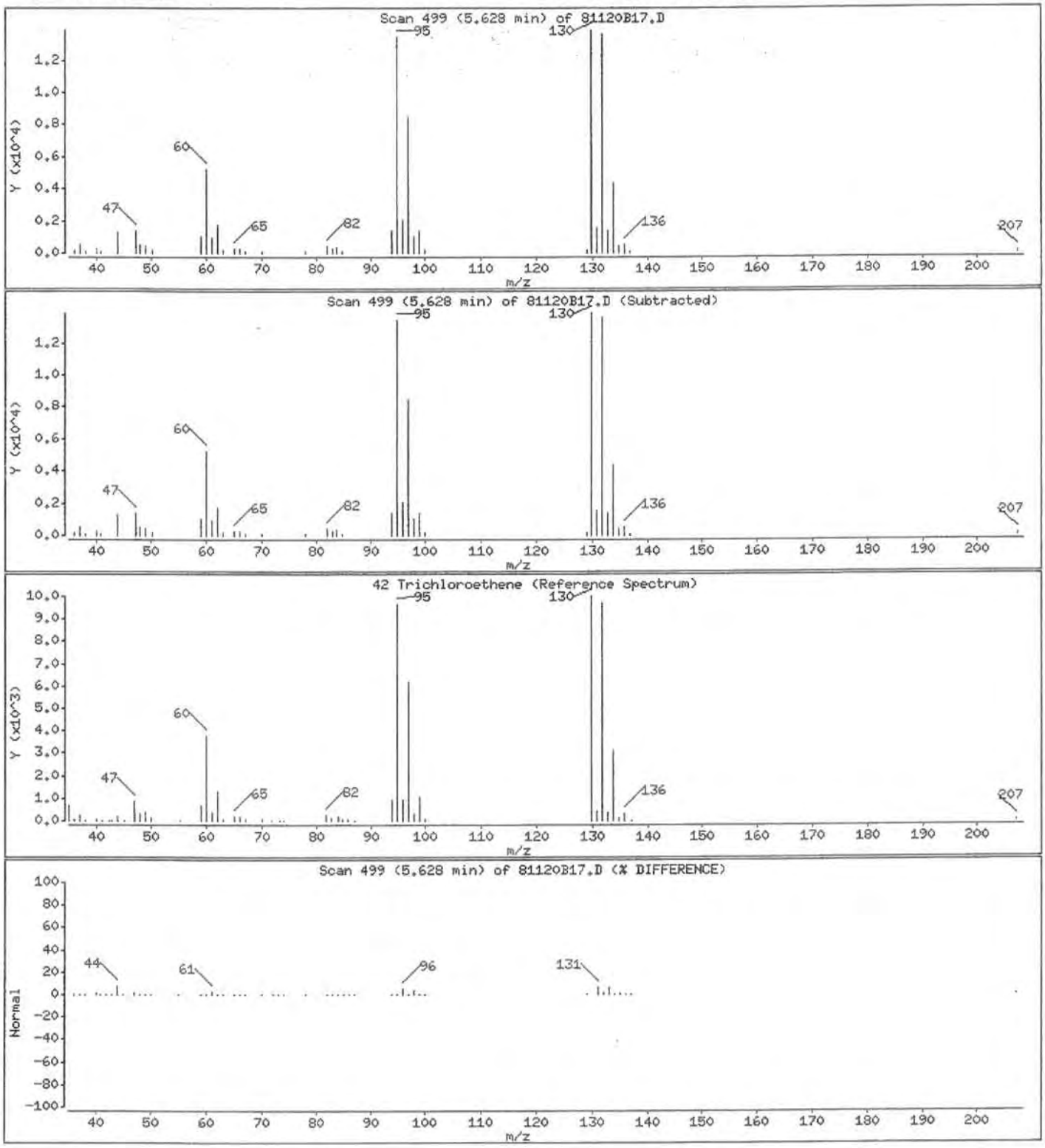
Client ID: Y3QP5 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

42 Trichloroethene Concentration: 1.3769 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

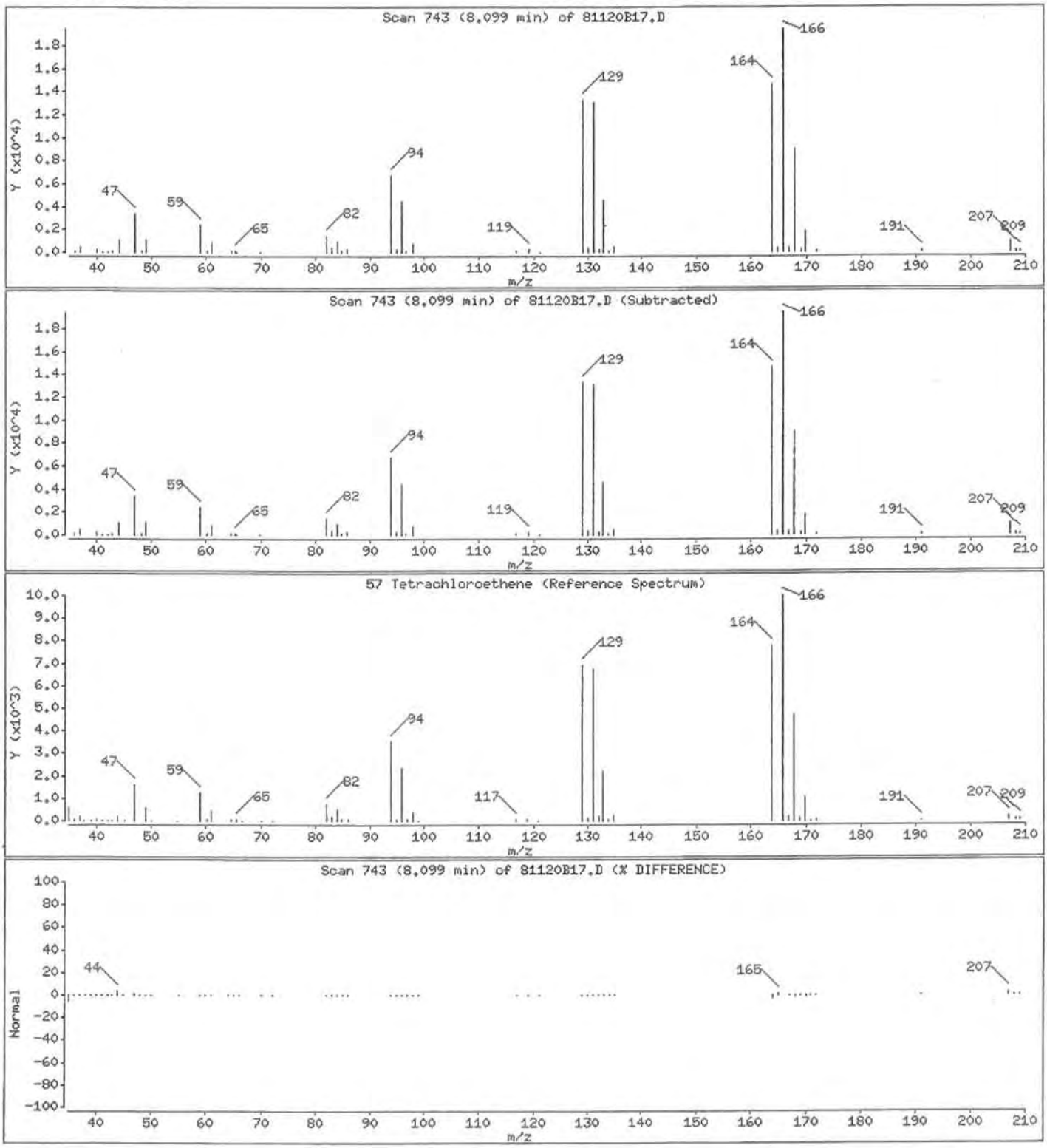
Client ID: Y3QP5 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

57 Tetrachloroethene Concentration: 1.9312 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

Client ID: Y3QP5

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-006

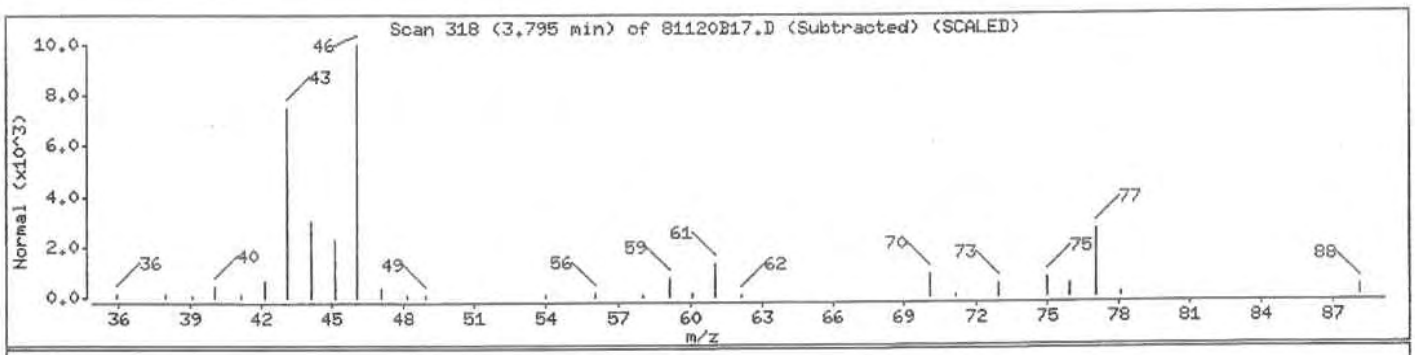
Purge Volume: 25.0

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\8nov2007.b\81120B17.D

Date : 20-NOV-2007 13:54

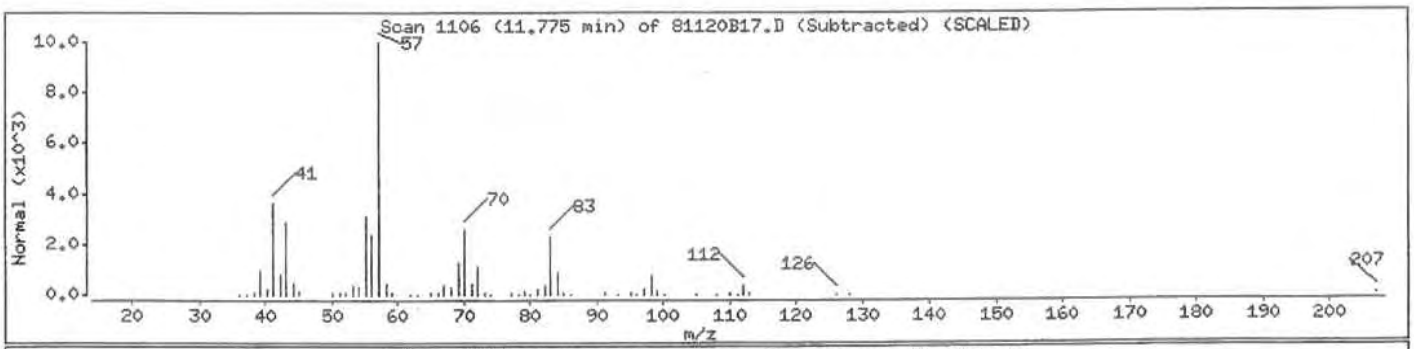
Client ID: Y3QP5 Instrument: msd8.i

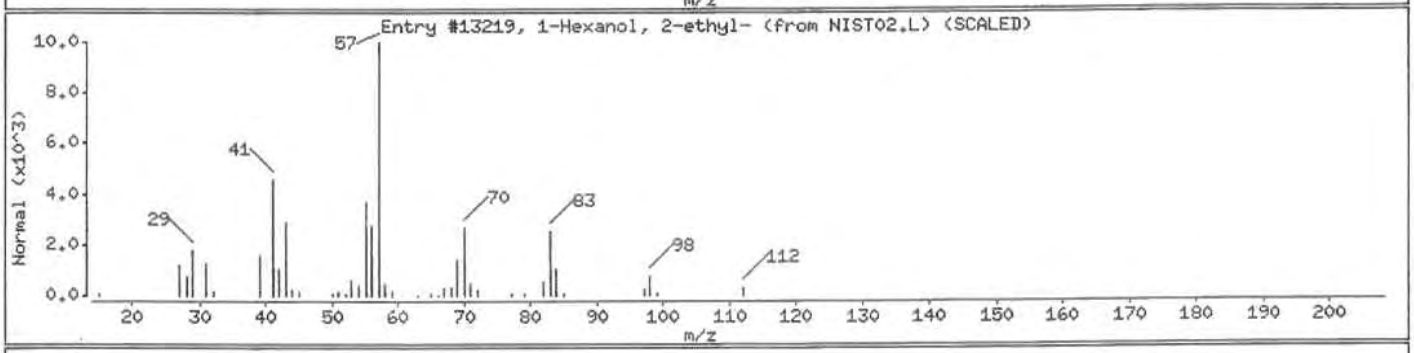
Sample Info: 8nov2007.b, IK16006-006

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130





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

EPA SAMPLE NO.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.052	J
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	0.088	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	0.25	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	0.31	JB
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.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	1.3	
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	0.071	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	2.0	
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.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.58	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D
Lab Smp Id: IK16006-007 Client Smp ID: Y3QP6
Inj Date : 20-NOV-2007 15:33
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-007
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 18
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	1.223	(0.230)	69041	8.45893	8.4589(R)
	4 Vinyl Chloride	62	1.222	1.223	(0.230)	1243	0.05185	0.0518(aQ)
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	76405	7.70254	7.7025(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)	186946	5.14606	5.1460
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	1689	0.08832	0.0883(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	2.347	(0.442)	6818	0.24975	0.2497(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	3.633	(0.684)	499201	56.4190	56.4190
	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)	224034	5.93005	5.9300
	31 Chloroform	83	4.088	4.088	(0.769)	11004	0.31313	0.3131(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)	115593	5.95316	5.9531
$	36 Benzene-d6	84	4.716	4.716	(0.510)	515108	6.09175	6.0917
	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)	421481	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	27894	1.33412	1.3341
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	151149	5.41410	5.4140
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.103	6.144	(1.149)	23221	219.696	219.6961(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)	240518	5.25685	5.2568
	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)	430339	5.86409	5.8640
	53 Toluene	91	7.359	7.359	(0.795)	6040	0.07119	0.0711(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)	30396	1.97874	1.9787
$	58 2-Hexanone-d5	63	8.280	8.281	(0.895)	480021	56.4553	56.4553
	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)	383968	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)	121002	5.10332	5.1033
	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)	206758	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	176028	5.98884	5.9888
	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\8nov2007.b\81120B21.D
Lab Smp Id: IK16006-007 Client Smp ID: Y3QP6
Inj Date : 20-NOV-2007 15:33
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-007
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

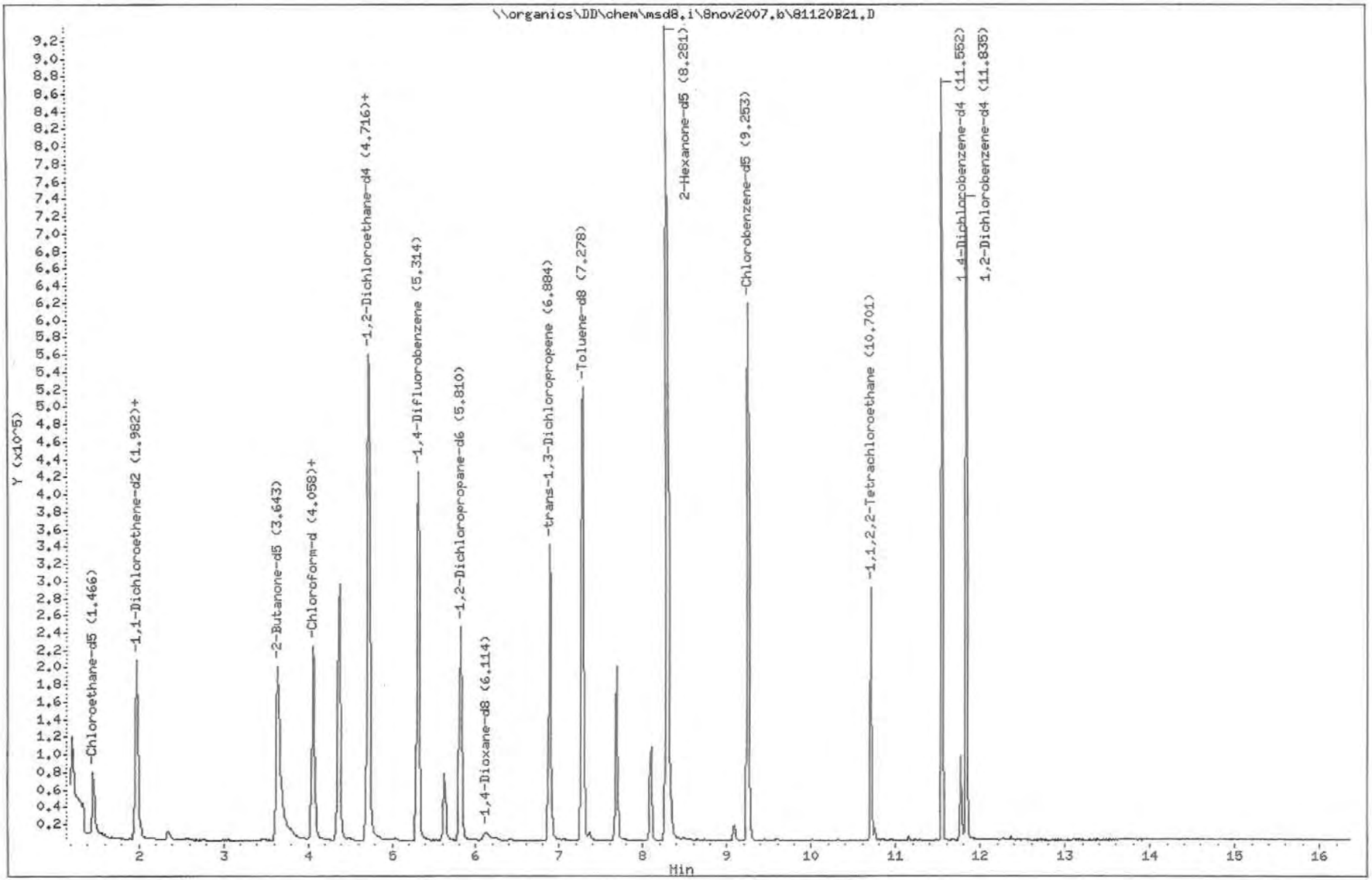
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1151879	5.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-			CAS #: 104-76-7				
11.774	133280	0.57853422	0.5785	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D
Date : 20-NOV-2007 15:33
Client ID: Y3QP6
Sample Info: 8nov2007.b, IK16006-007
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D

Date : 20-NOV-2007 15:33

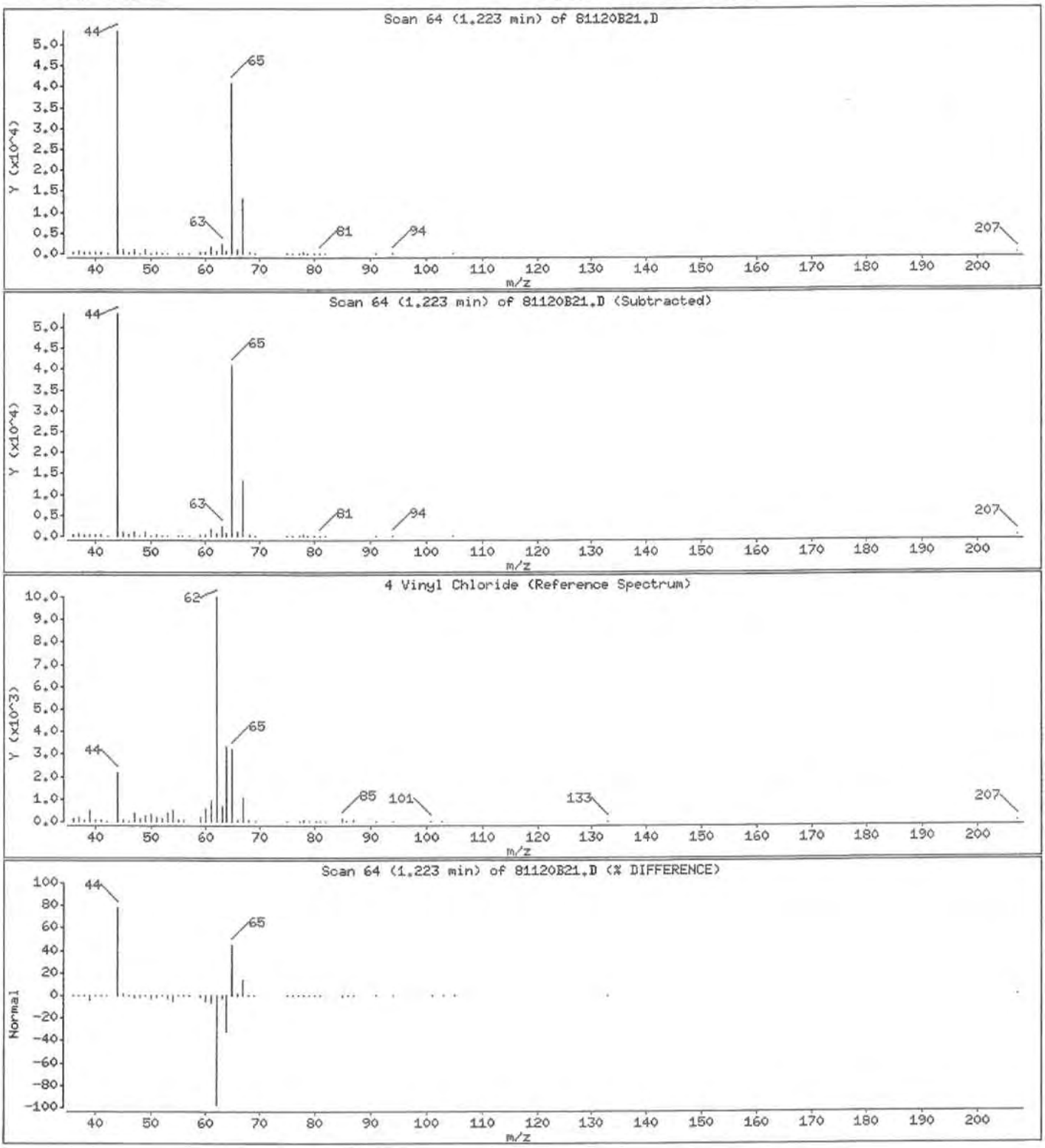
Client ID: Y3QP6 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

4 Vinyl Chloride Concentration: 0.0518 ug/L



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Date : 20-NOV-2007 15:33

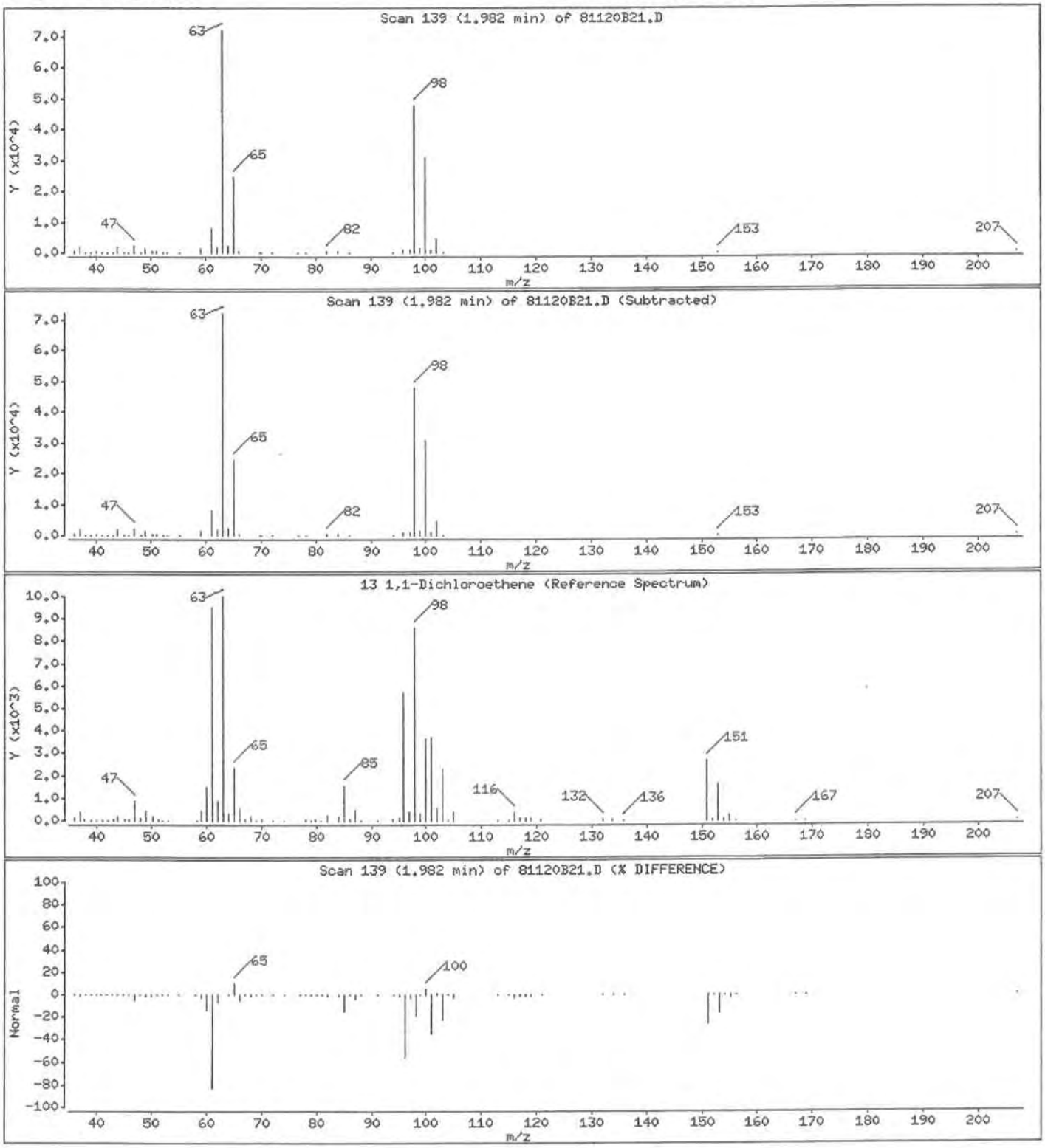
Client ID: Y3QP6 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0883 ug/L



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Date : 20-NOV-2007 15:33

Client ID: Y3QP6

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0

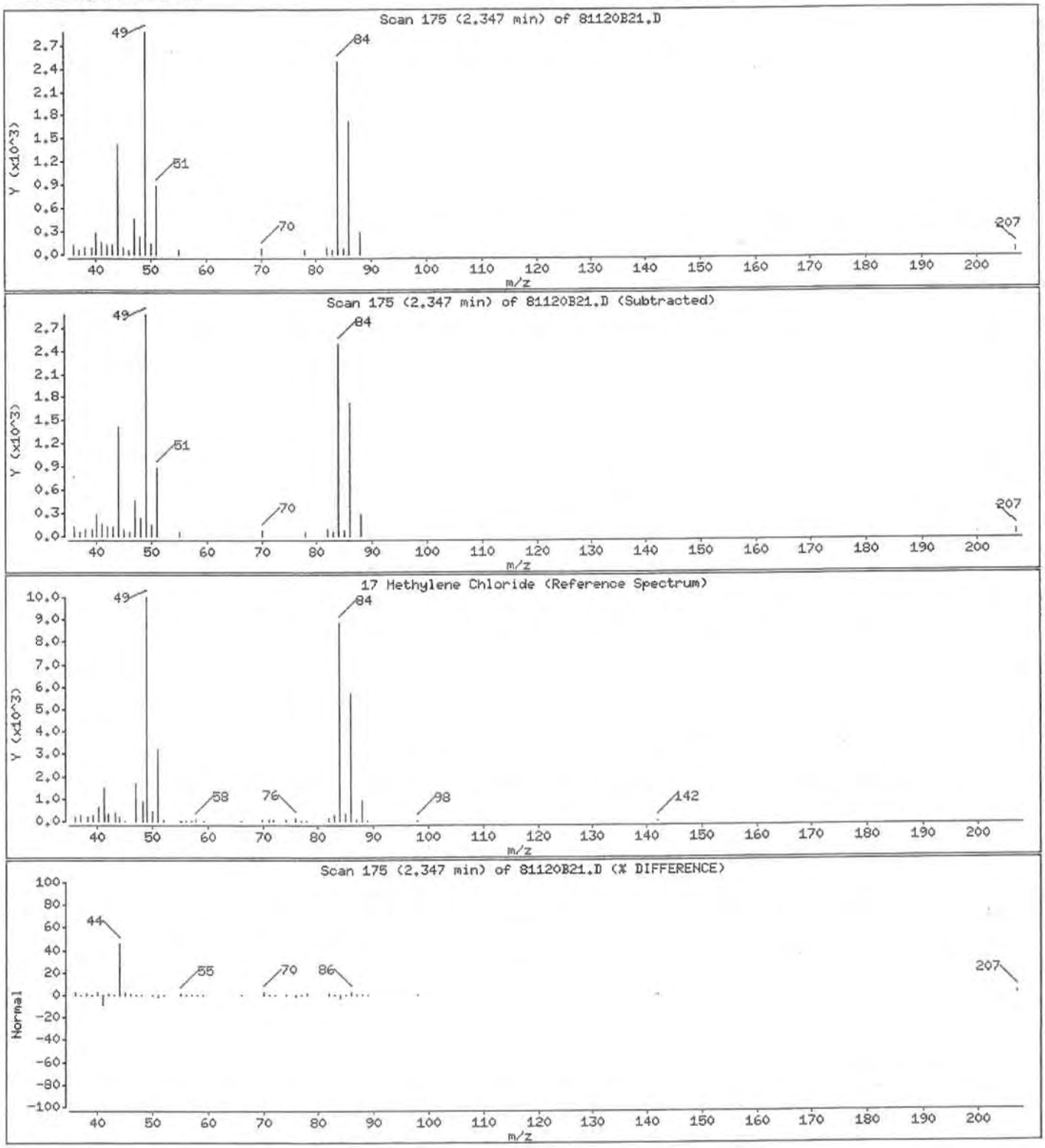
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2497 ug/L



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Date : 20-NOV-2007 15:33

Client ID: Y3QP6

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0

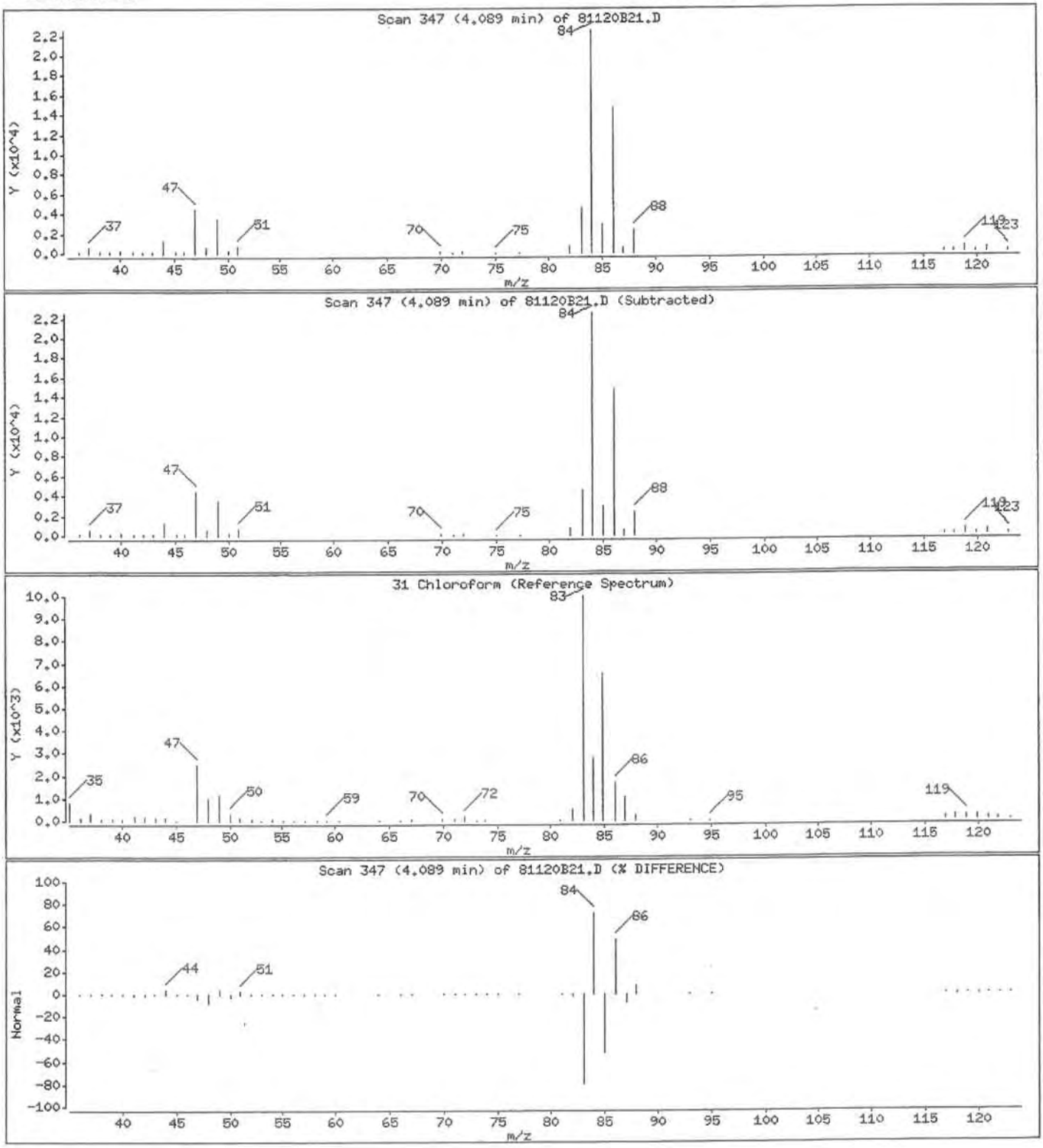
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 0.3131 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D

Date : 20-NOV-2007 15:33

Client ID: Y3QP6

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0

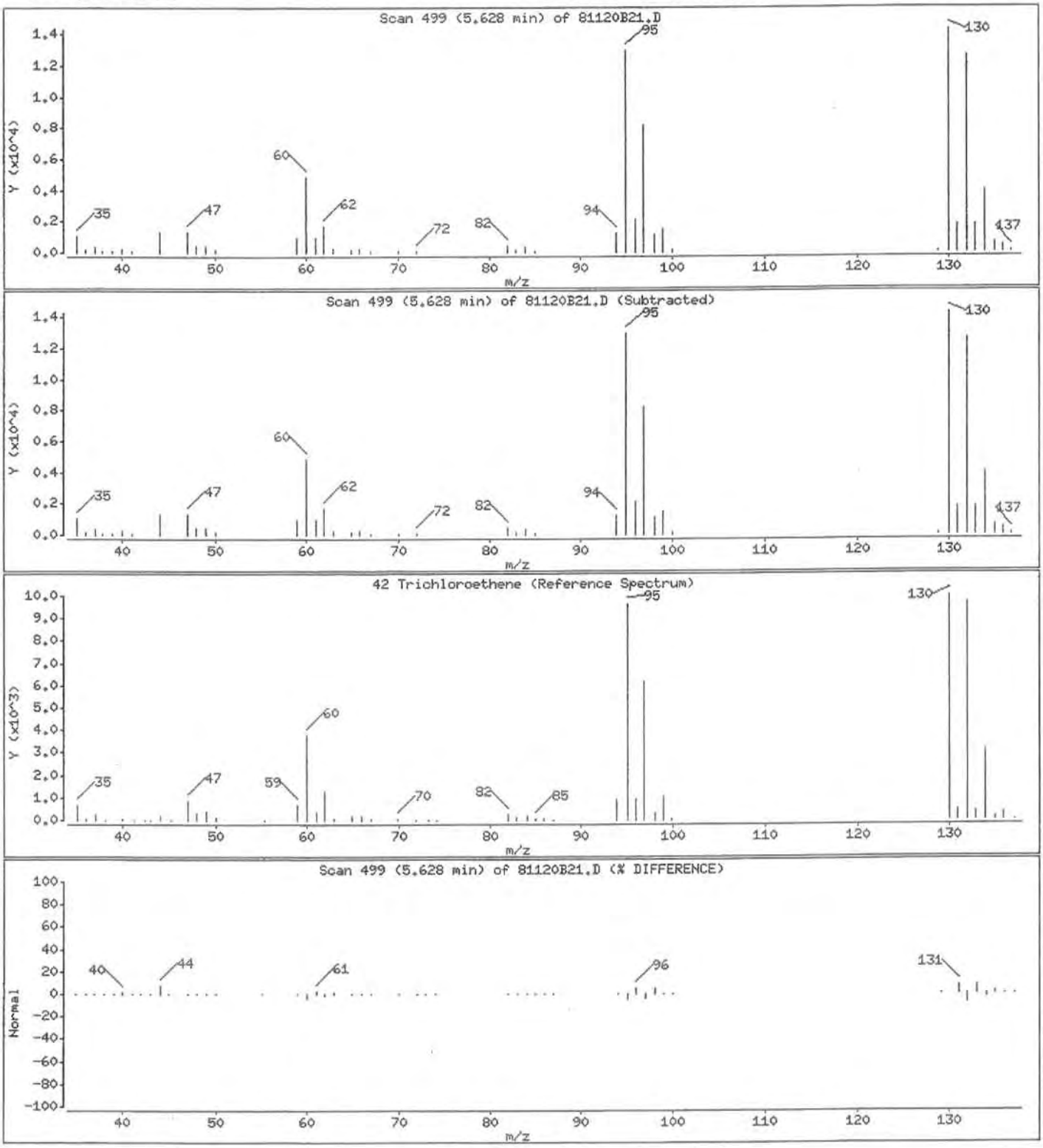
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 1.3341 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D

Date : 20-NOV-2007 15:33

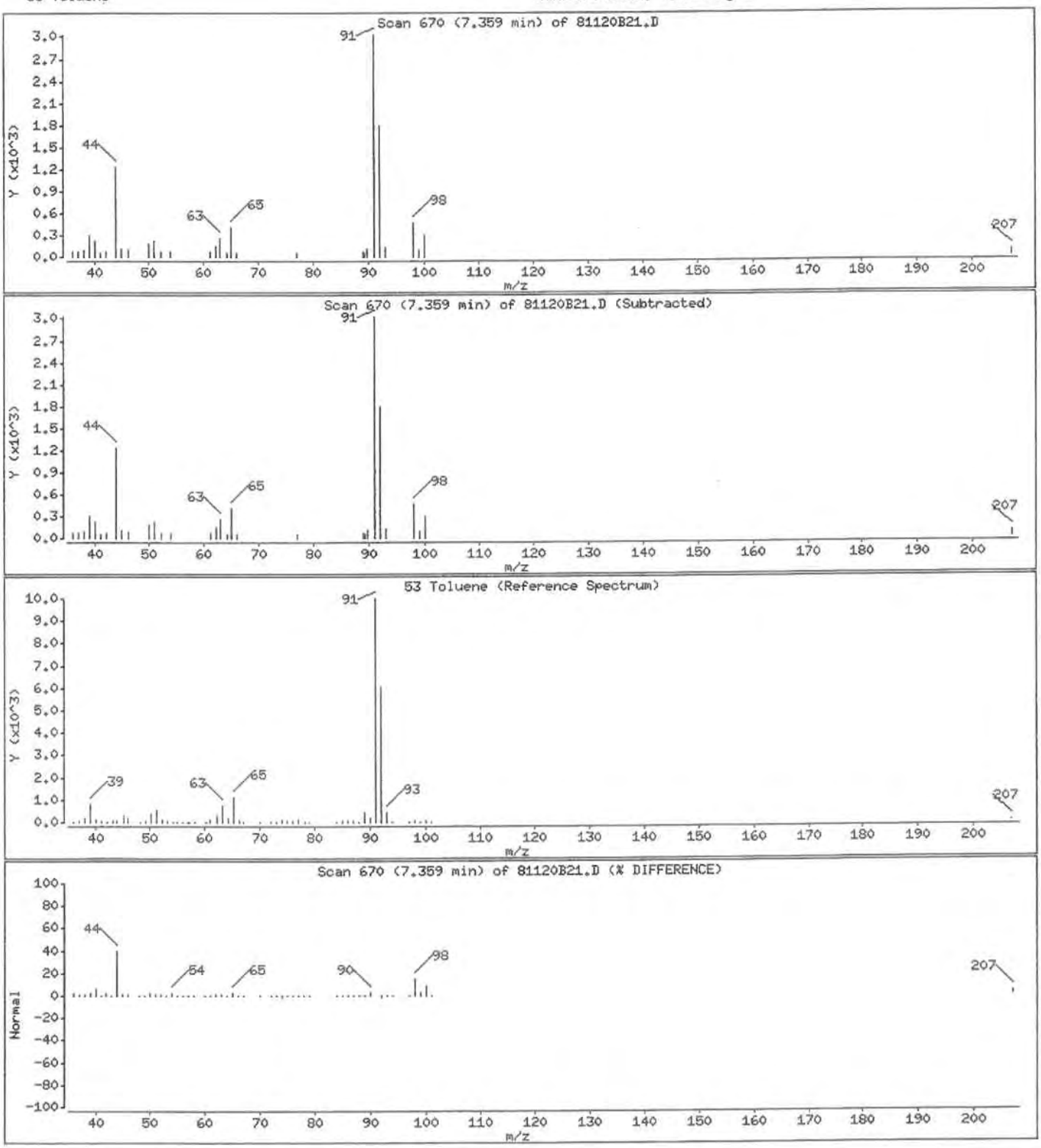
Client ID: Y3QP6 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0711 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D

Date : 20-NOV-2007 15:33

Client ID: Y3QP6

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

Purge Volume: 25.0

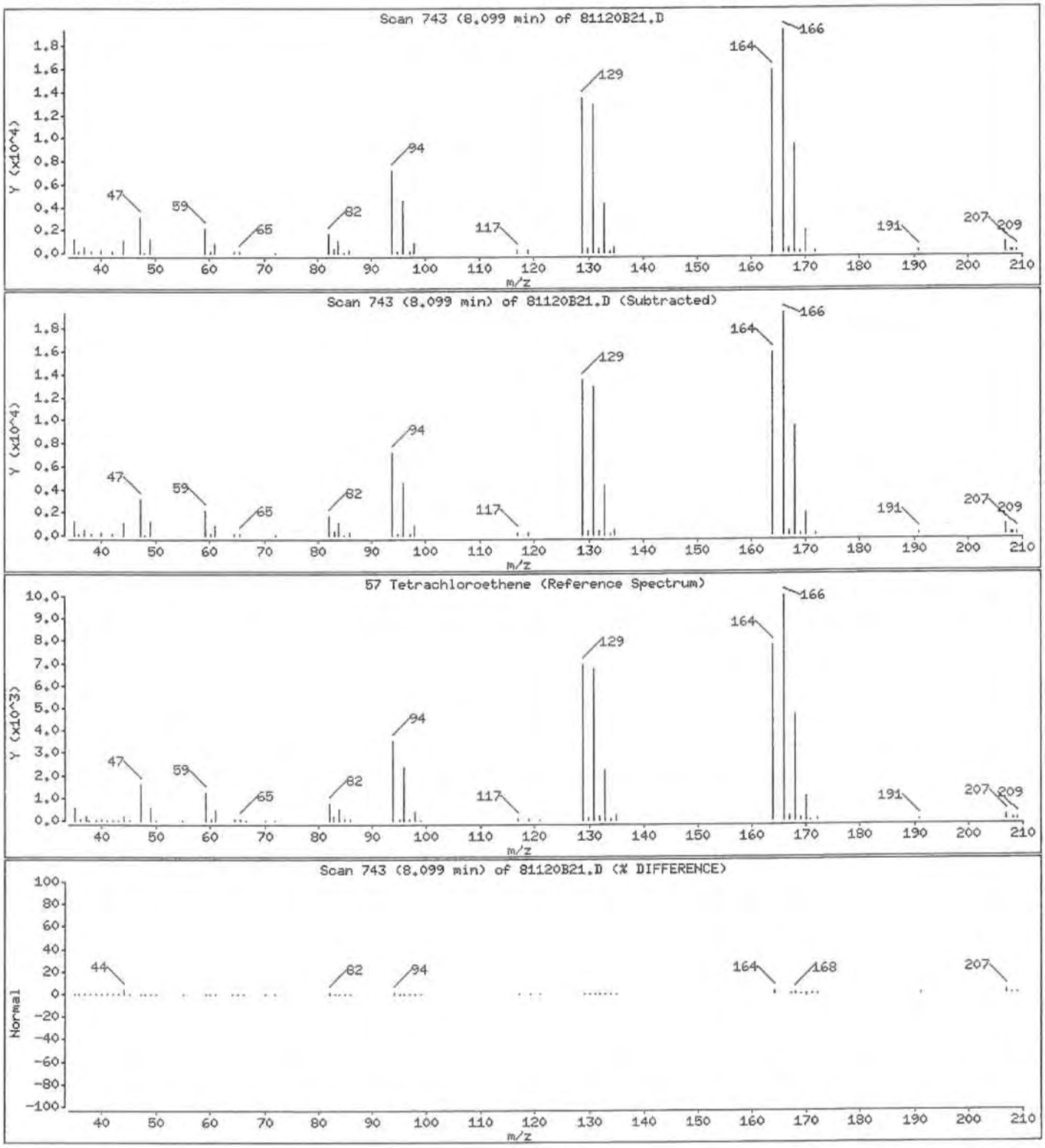
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 1.9787 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B21.D

Date : 20-NOV-2007 15:33

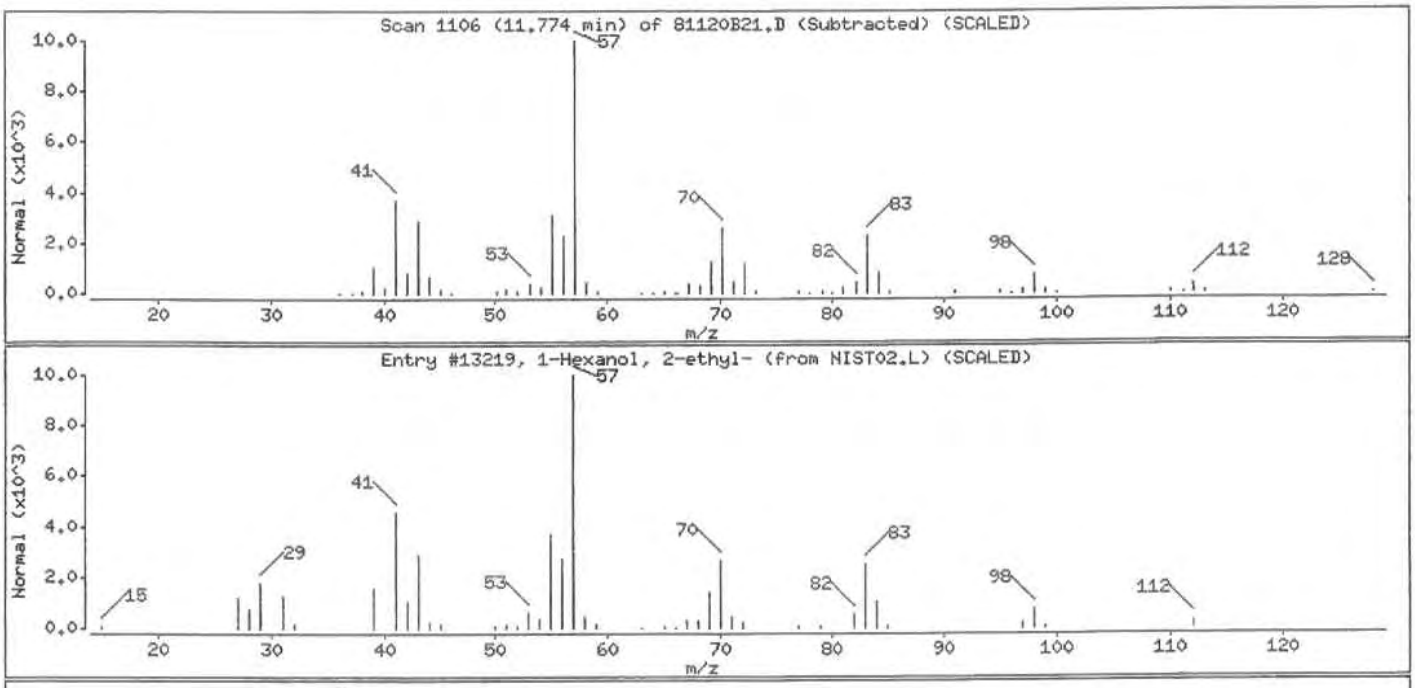
Client ID: Y3QP6 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-007

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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

EPA SAMPLE NO.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.074	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	58	B
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.10	JB
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.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.28	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	0.096	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.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	14	

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

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

EPA SAMPLE NO.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.56	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B26.D
Lab Smp Id: IK16006-008 Client Smp ID: Y3QP7
Inj Date : 20-NOV-2007 17:23
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS

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)	CONCENTRATIONS 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)	61870	7.74729	7.7472(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	67243	6.92820	6.9282(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)	167824	4.72144	4.7214
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	1381	0.07380	0.0738(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.023	2.023	(0.381)	287244	57.5155	57.5154
15	Carbon Disulfide	76	Compound Not Detected.					
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.357	2.347	(0.444)	6165	0.23080	0.2308(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	3.633	(0.684)	431729	49.8681	49.8681
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)	192452	5.20629	5.2062

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	31 Chloroform	83	4.088	4.088	(0.769)	3565	0.10368	0.1036 (aQ)
	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)	97989	5.15769	5.1576
$	36 Benzene-d6	84	4.726	4.716	(0.511)	438615	5.30568	5.3056
	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)	412398	5.00000	
	42 Trichloroethene	95	Compound Not Detected.					
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	129427	4.74197	4.7419
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.134	6.144	(1.154)	24874	240.519	240.5185
	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)	200400	4.48011	4.4801
	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)	367561	5.12310	5.1230
	53 Toluene	91	7.359	7.359	(0.795)	23255	0.28037	0.2803 (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	8.281	(0.895)	410440	49.3751	49.3750
	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)	375389	5.00000	
	64 Chlorobenzene	112	Compound Not Detected.					
	65 Ethylbenzene	91	Compound Not Detected.					
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	3417	0.09642	0.0964 (a)
	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)	105995	4.57255	4.5725
	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)	201485	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	150157	5.24236	5.2423
	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	2.458	2.458	(0.463)	31507	13.6404	13.6403

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\8nov2007.b\81120B26.D
Lab Smp Id: IK16006-008 Client Smp ID: Y3QP7
Inj Date : 20-NOV-2007 17:23
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK16006-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14
Processing Host: ORGANICS

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

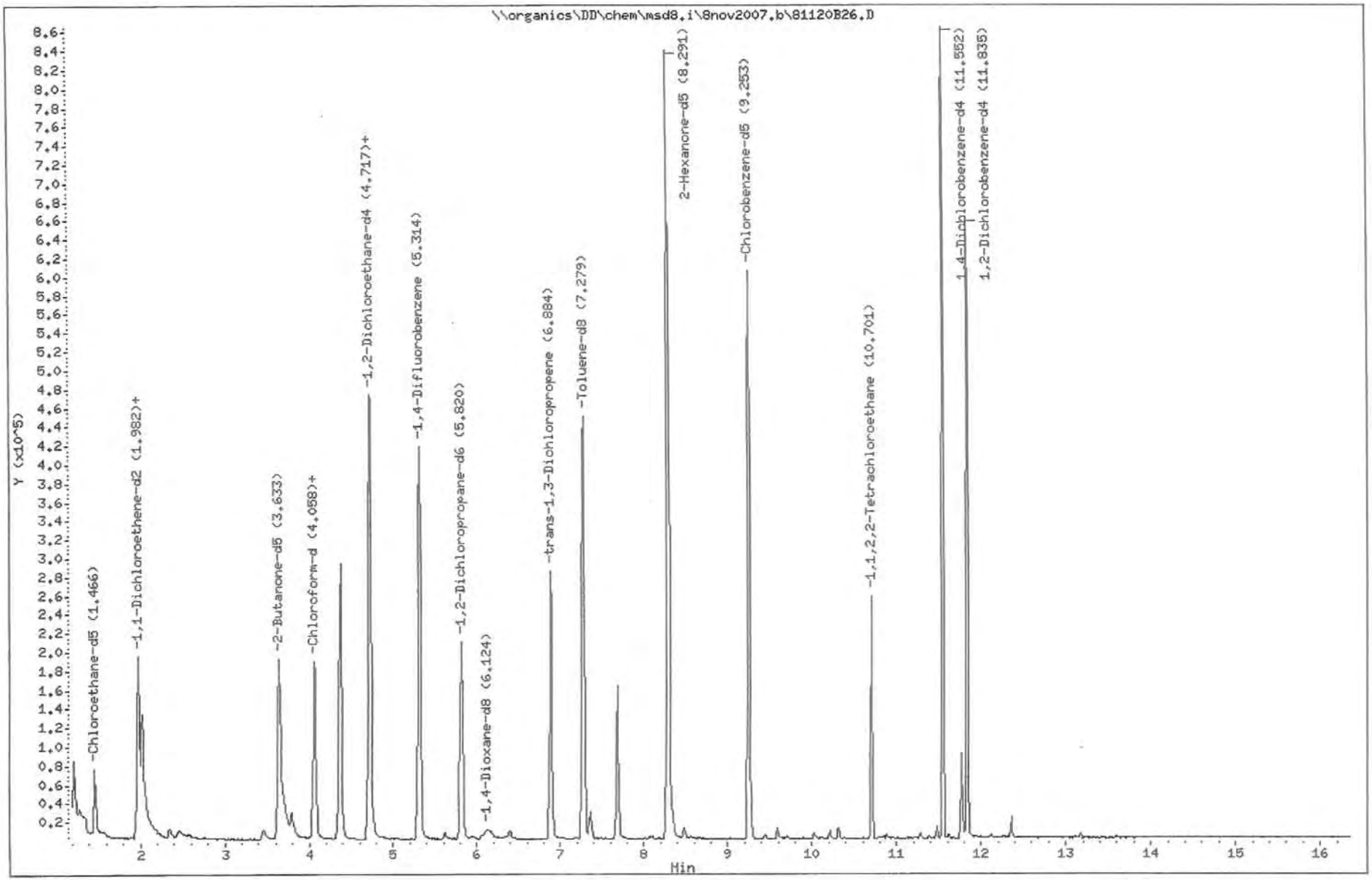
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1133597	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-				CAS #: 104-76-7			
11.775	127689	0.56320341	0.5632	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B26.D
Date : 20-NOV-2007 17:23
Client ID: Y3QP7
Sample Info: 8nov2007.b, IK16006-008
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 20-NOV-2007 17:23

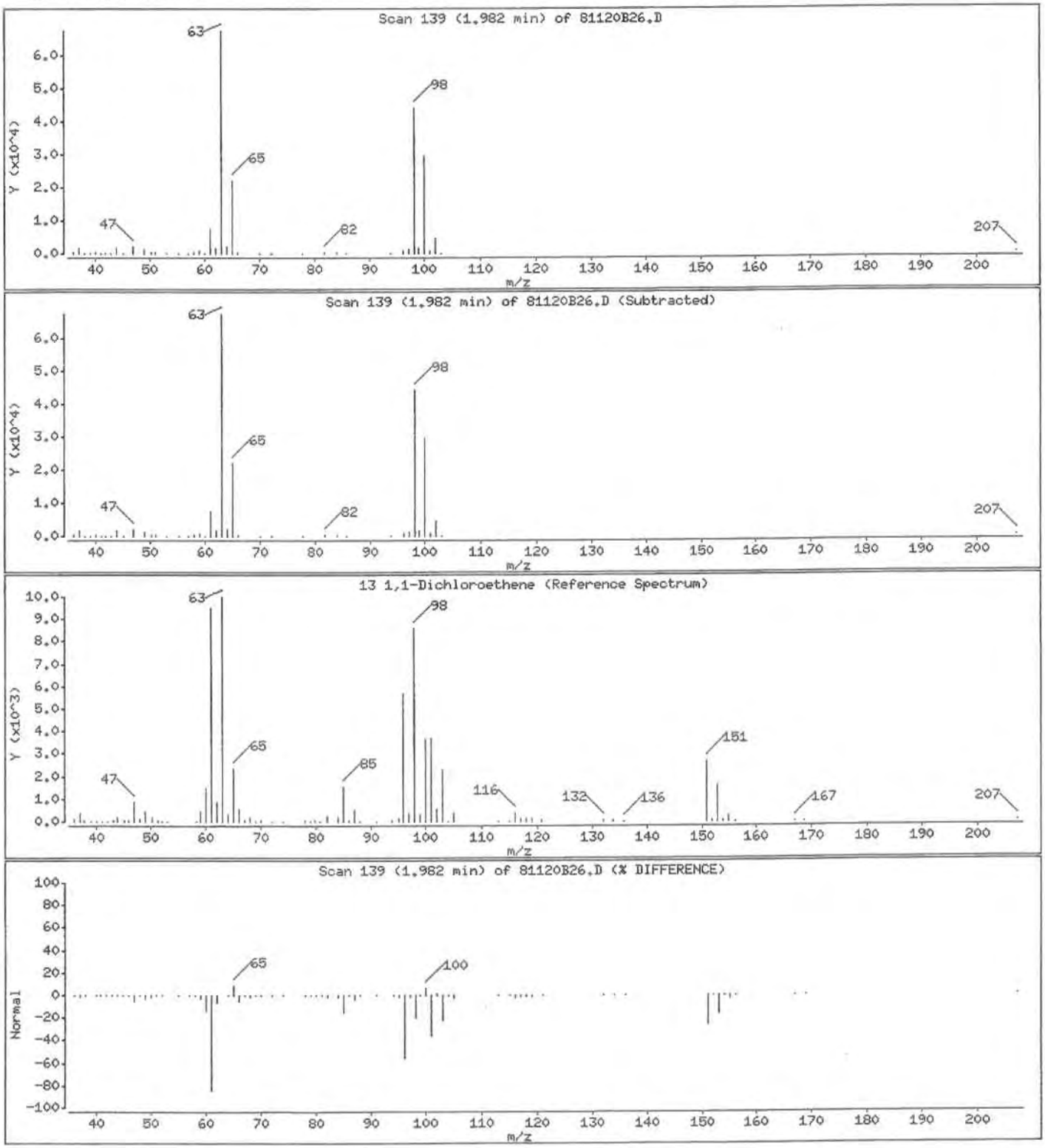
Client ID: Y3QP7 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0738 ug/L



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Date : 20-NOV-2007 17:23

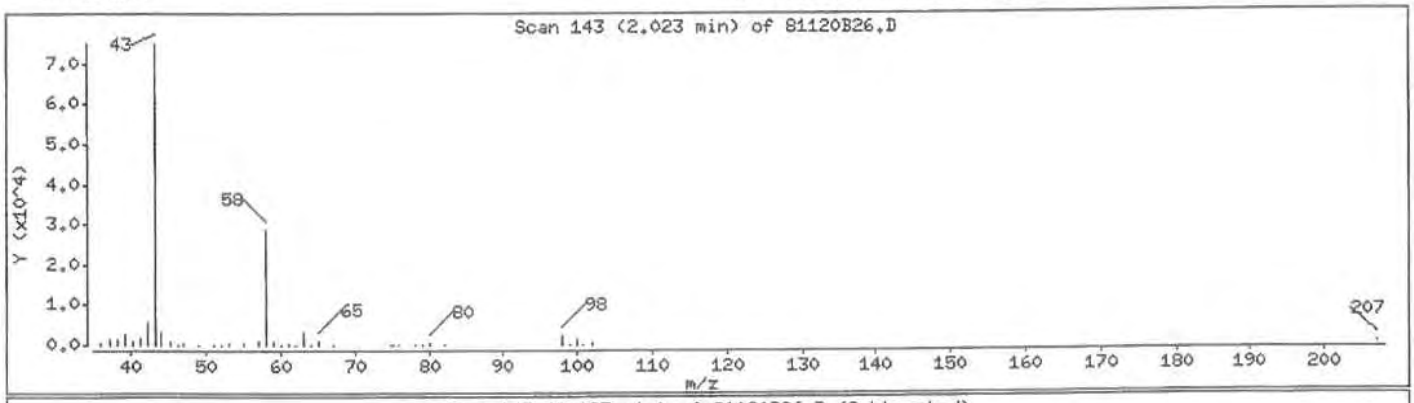
Client ID: Y3QP7 Instrument: msd8.i

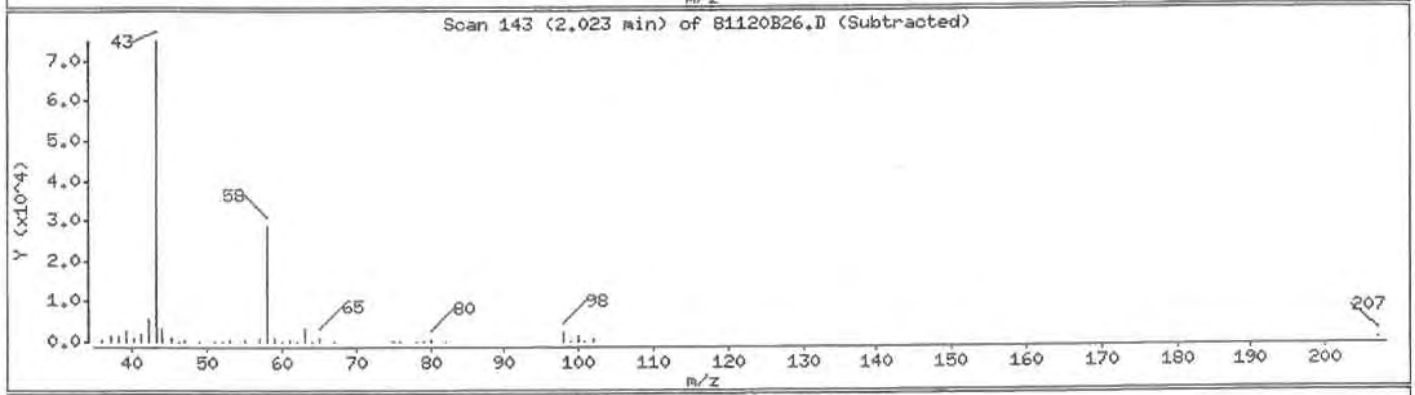
Sample Info: 8nov2007.b, IK16006-008

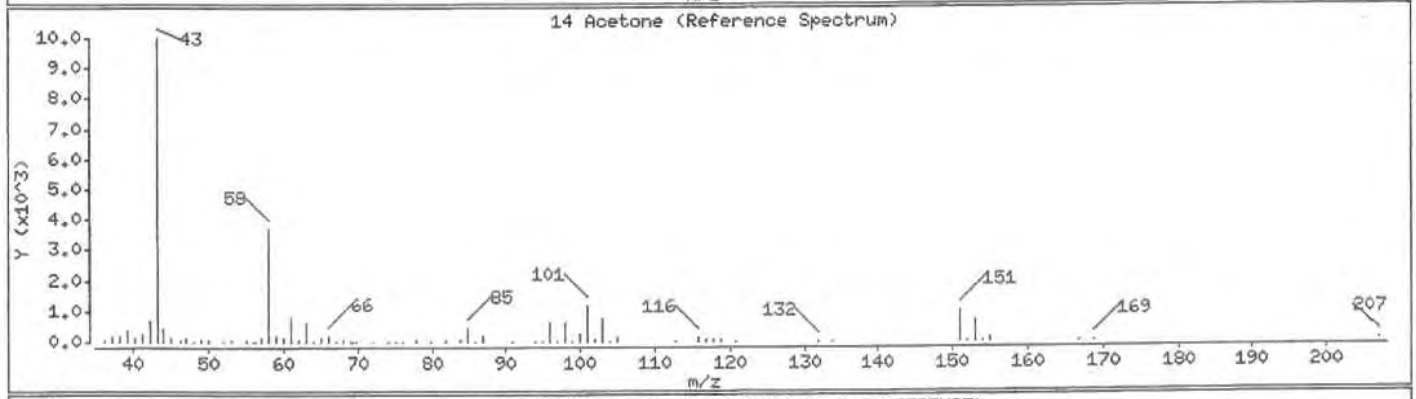
Purge Volume: 25.0 Operator: DLB

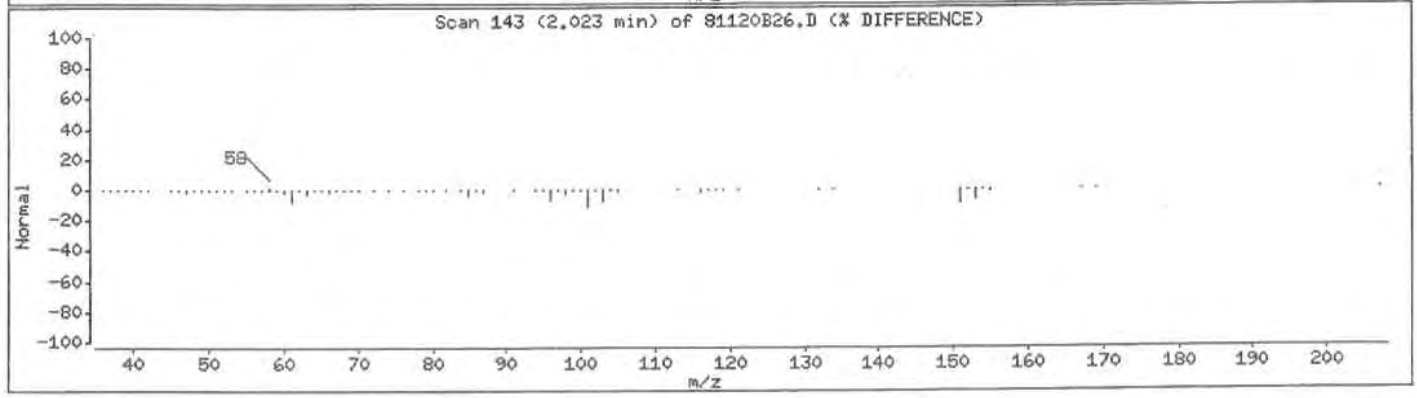
Column phase: DB-624 Column diameter: 0.18

14 Acetone Concentration: 57.5154 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B26.D

Date : 20-NOV-2007 17:23

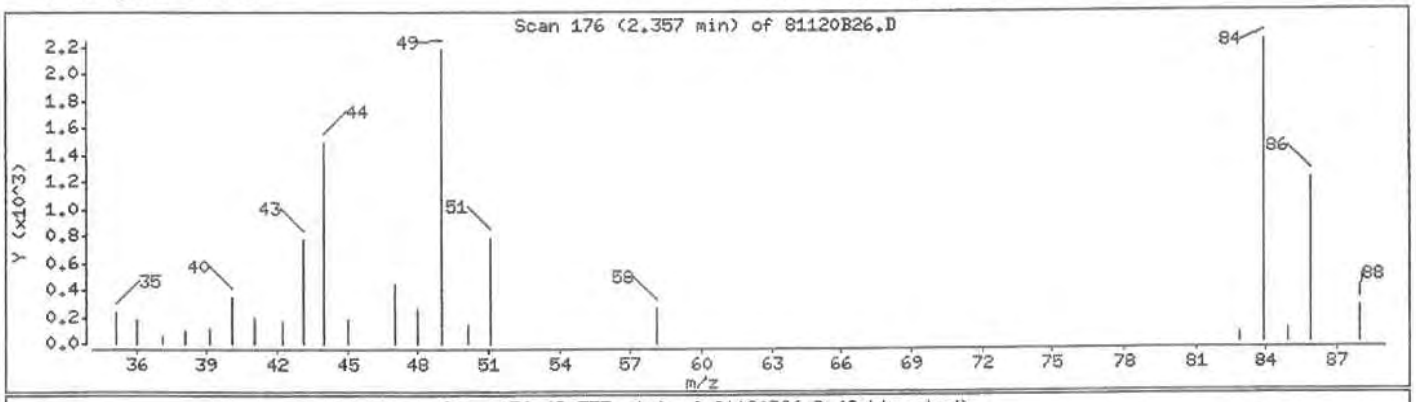
Client ID: Y3QP7 Instrument: msd8.i

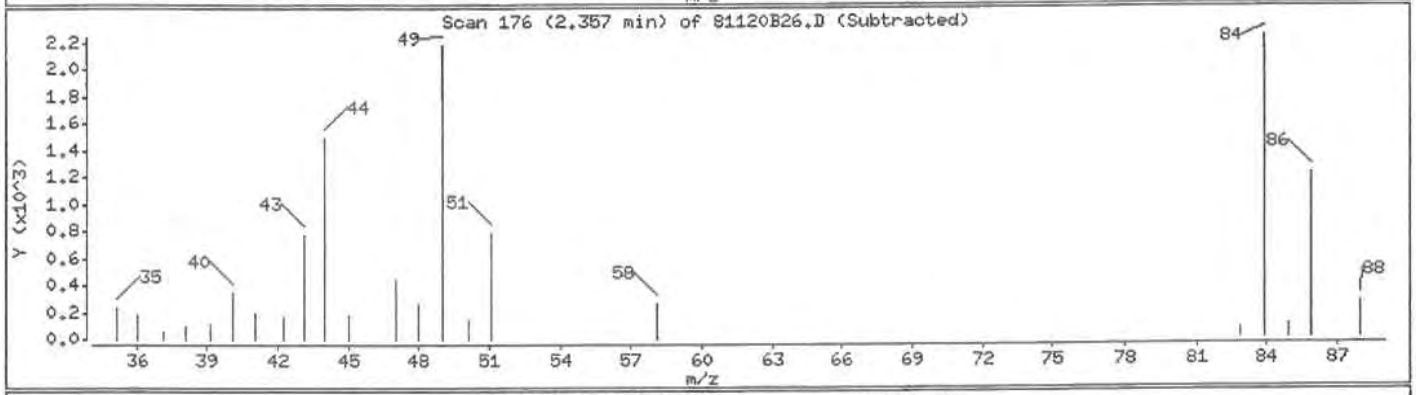
Sample Info: 8nov2007.b, IK16006-008

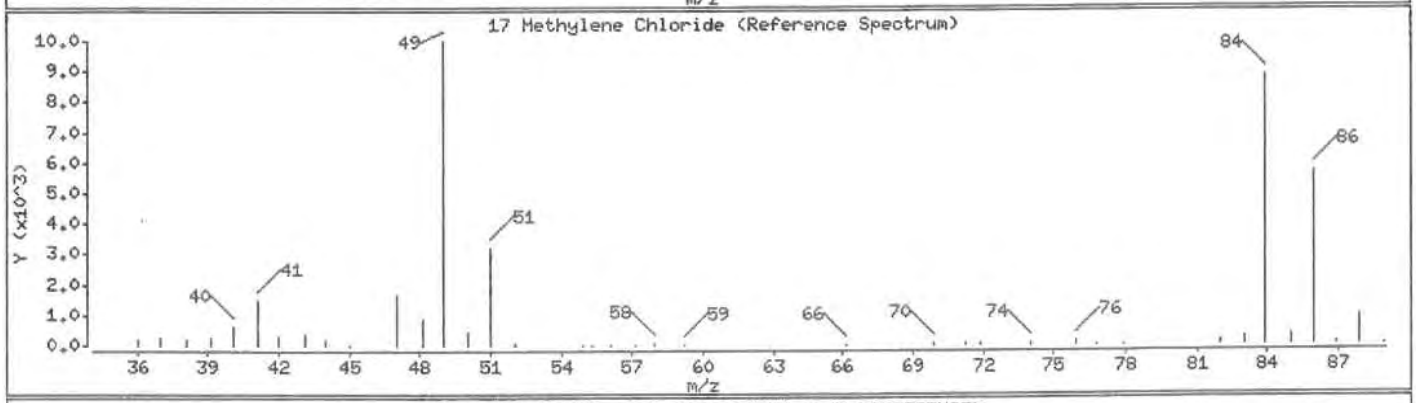
Purge Volume: 25.0 Operator: DLB

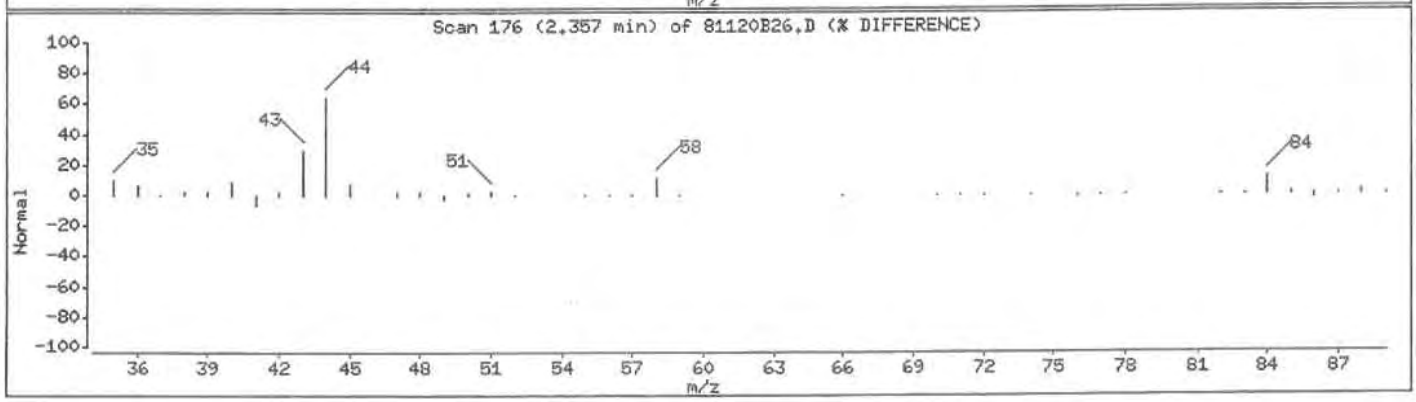
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2308 ug/L









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Date : 20-NOV-2007 17:23

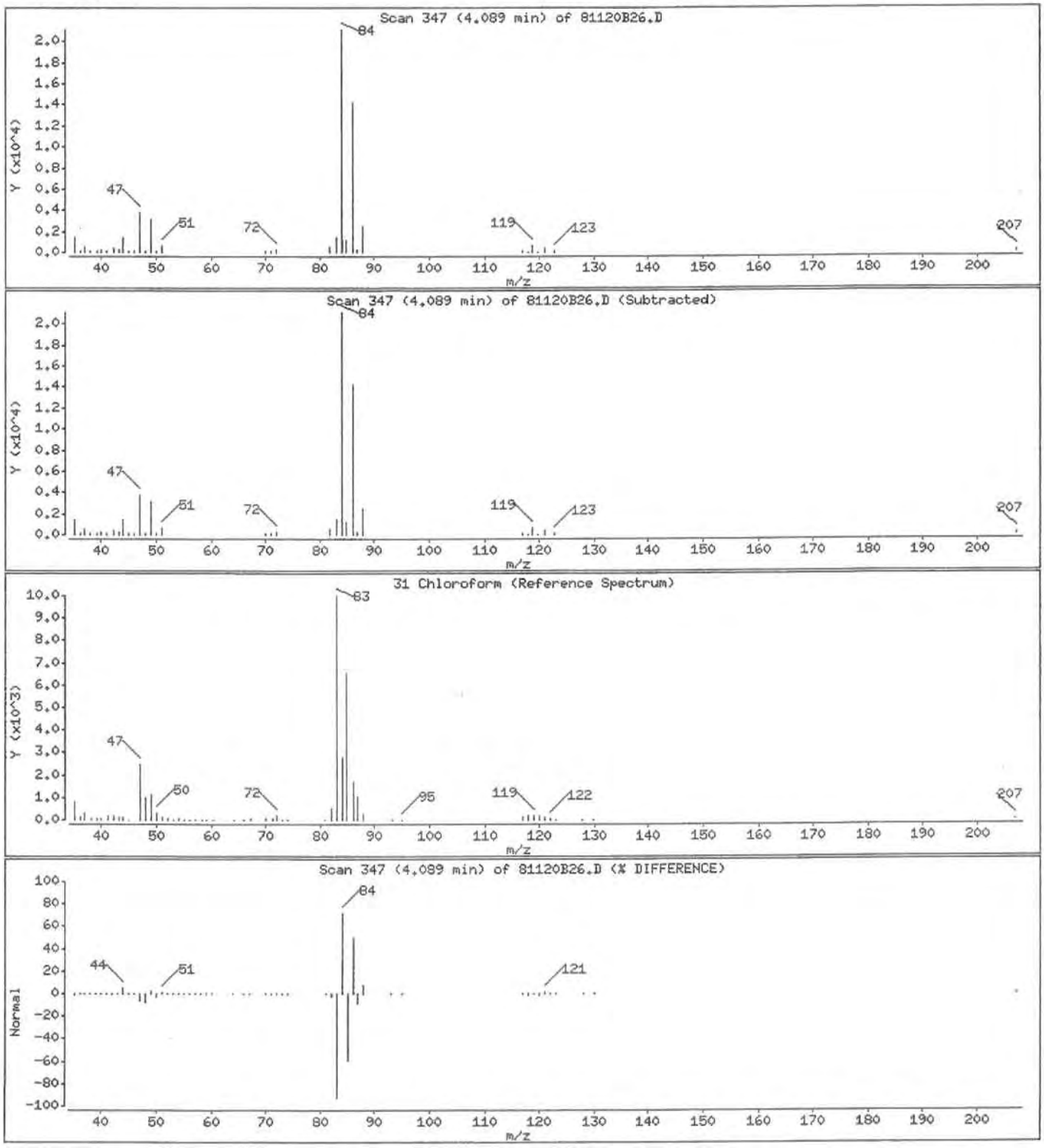
Client ID: Y3QP7 Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1036 ug/L



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Date : 20-NOV-2007 17:23

Client ID: Y3QP7

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-008

Purge Volume: 25.0

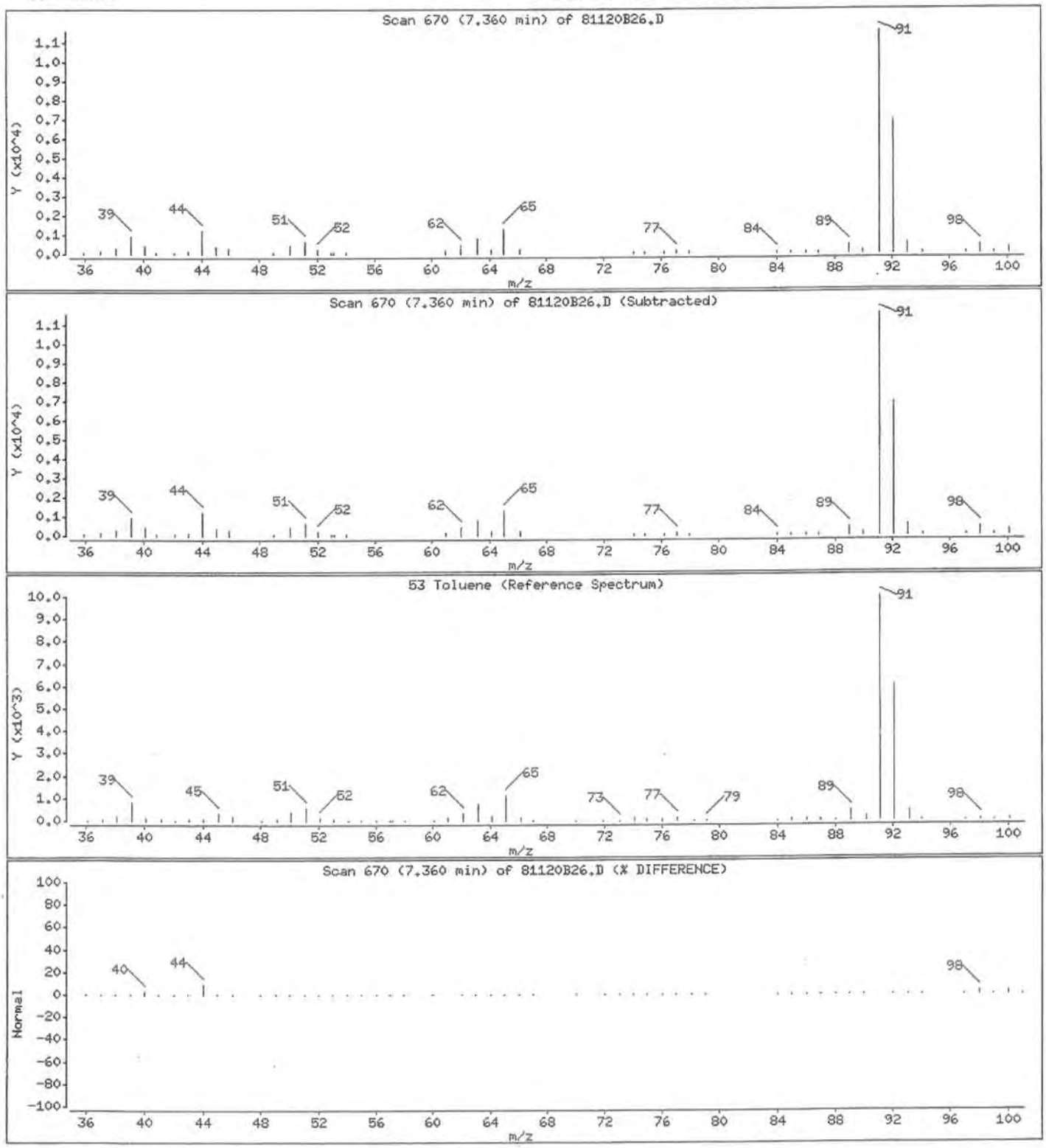
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.2803 ug/L



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Date : 20-NOV-2007 17:23

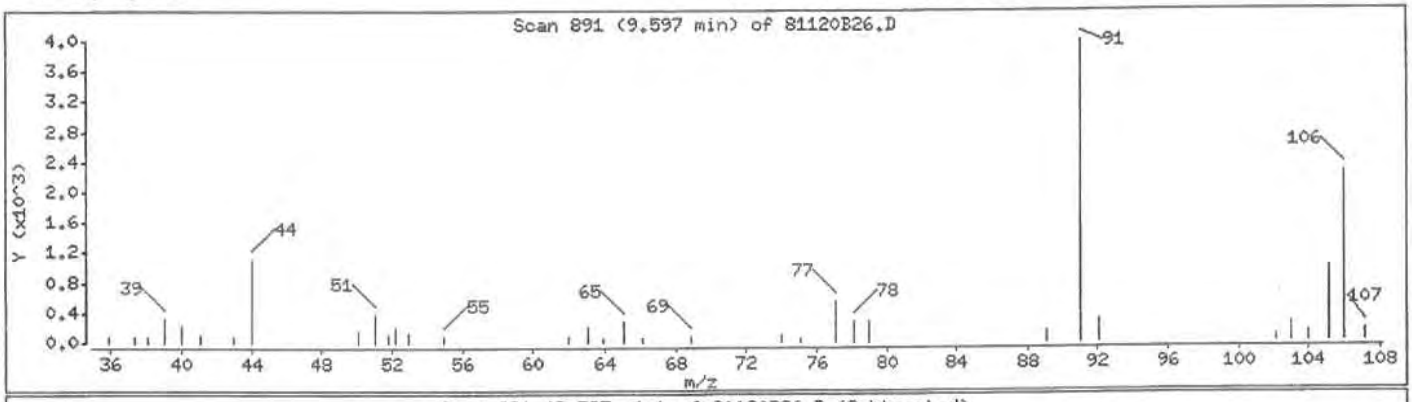
Client ID: Y3QP7 Instrument: msd8.i

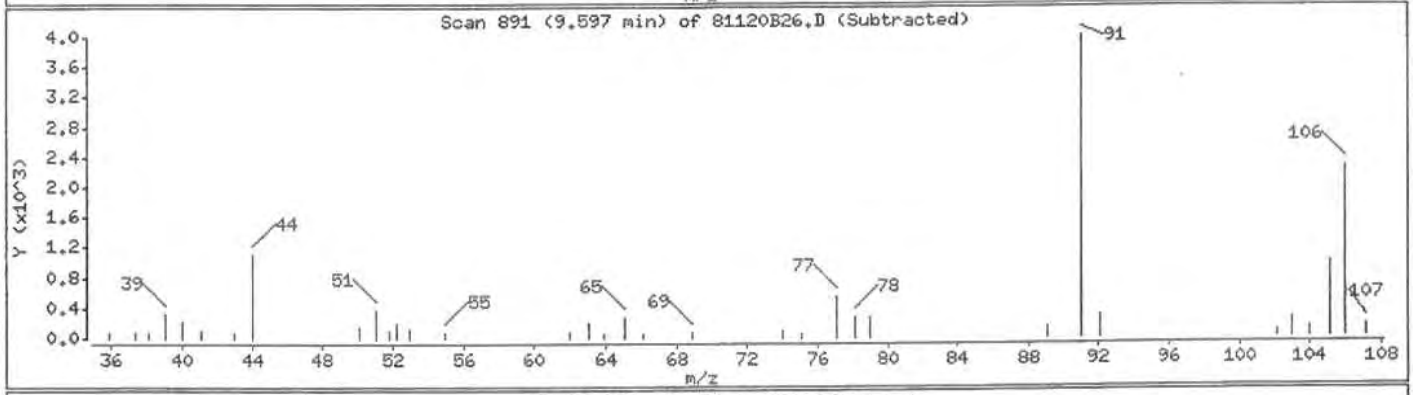
Sample Info: 8nov2007.b, IK16006-008

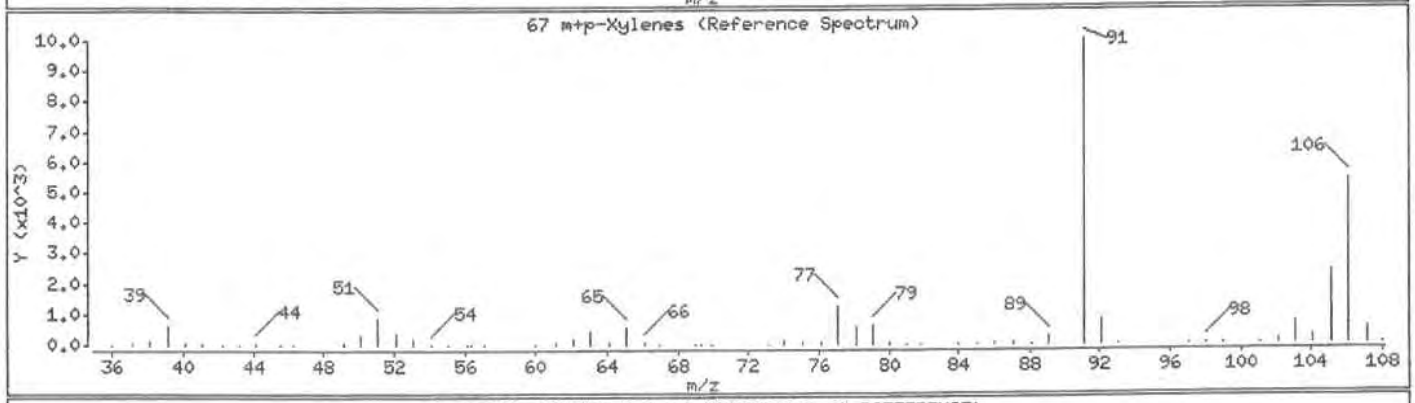
Purge Volume: 25.0 Operator: DLB

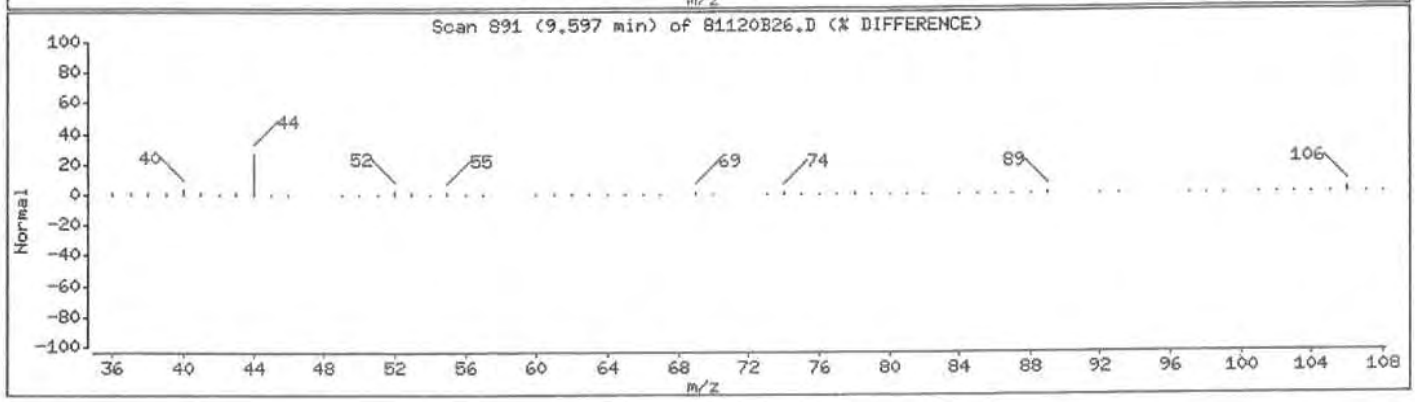
Column phase: DB-624 Column diameter: 0.18

67 m+p-Xylenes Concentration: 0.0964 ug/L









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Date : 20-NOV-2007 17:23

Client ID: Y3QP7

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-008

Purge Volume: 25.0

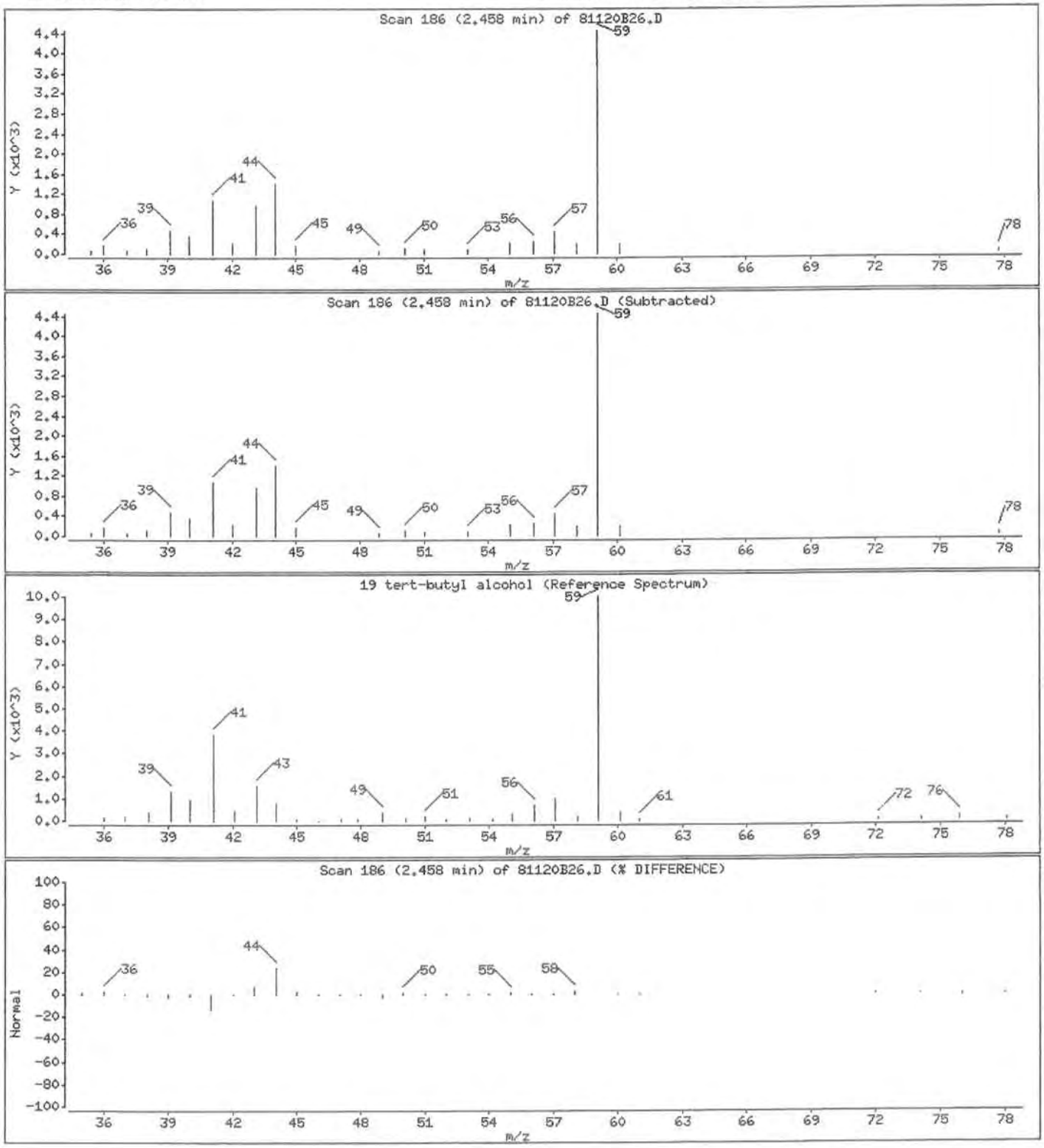
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

19 tert-butyl alcohol

Concentration: 13.6403 ug/L



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Date : 20-NOV-2007 17:23

Client ID: Y3QP7

Instrument: msd8.i

Sample Info: 8nov2007.b, IK16006-008

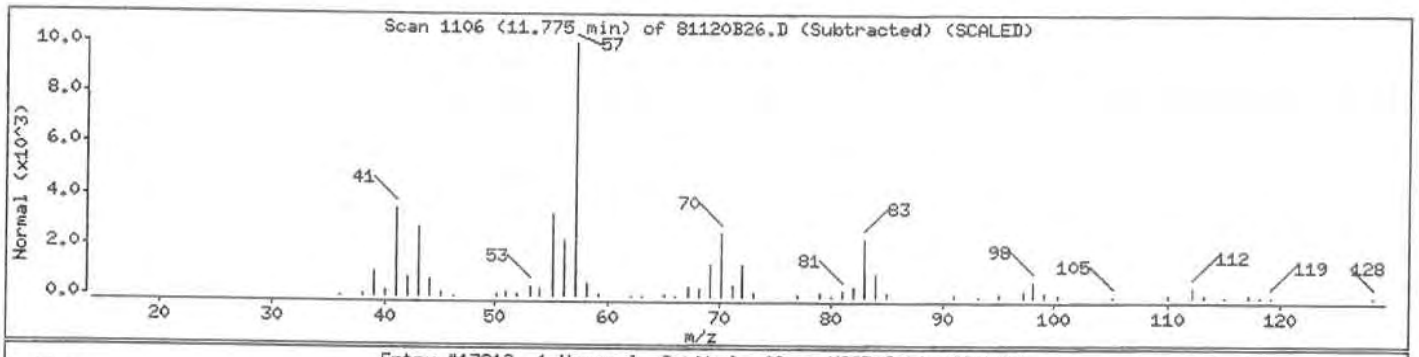
Purge Volume: 25.0

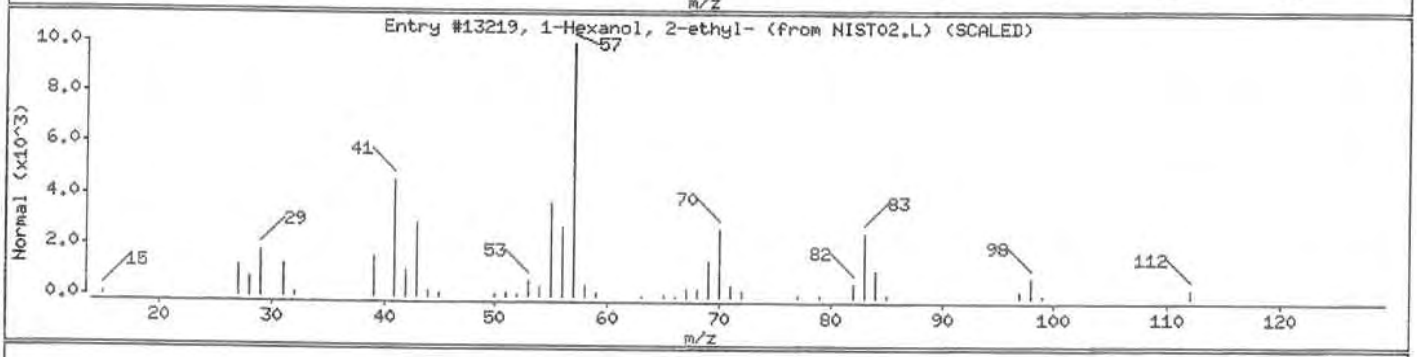
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130





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

EPA SAMPLE NO.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.085	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	0.26	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	0.20	JB
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.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.076	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.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D
Lab Smp Id: IK15003-009 Client Smp ID: Y3QP8
Inj Date : 20-NOV-2007 16:18
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-009
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 20
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)	CONCENTRATIONS 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)	69939	8.62370	8.6237(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	77211	7.83353	7.8335(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)	195109	5.40508	5.4050(R)
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	1608	0.08462	0.0846(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	2.347	2.347	(0.442)	6923	0.25522	0.2552(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	3.633	(0.684)	499542	56.8183	56.8183
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)	223094	5.94290	5.9428
31	Chloroform	83	4.088	4.088	(0.769)	6842	0.19594	0.1959(aQ)
33	1,1,1-Trichloroethane	97	Compound Not Detected.					

			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)	113435	5.87935	5.8793
$	36	Benzene-d6	84	4.726	4.716	(0.511)	508046	6.04772	6.0477
	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)	418805	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	150019	5.40894	5.4089
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.114	6.144	(1.151)	39296	374.159	374.1587
	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)	233208	5.13058	5.1305
	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)	433561	5.94682	5.9468
	53	Toluene	91	7.359	7.359	(0.795)	6434	0.07633	0.0763(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	8.281	(0.895)	474153	56.1317	56.1316
	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)	381461	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)	123320	5.23526	5.2352
	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)	206103	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	172436	5.88528	5.8852
	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.

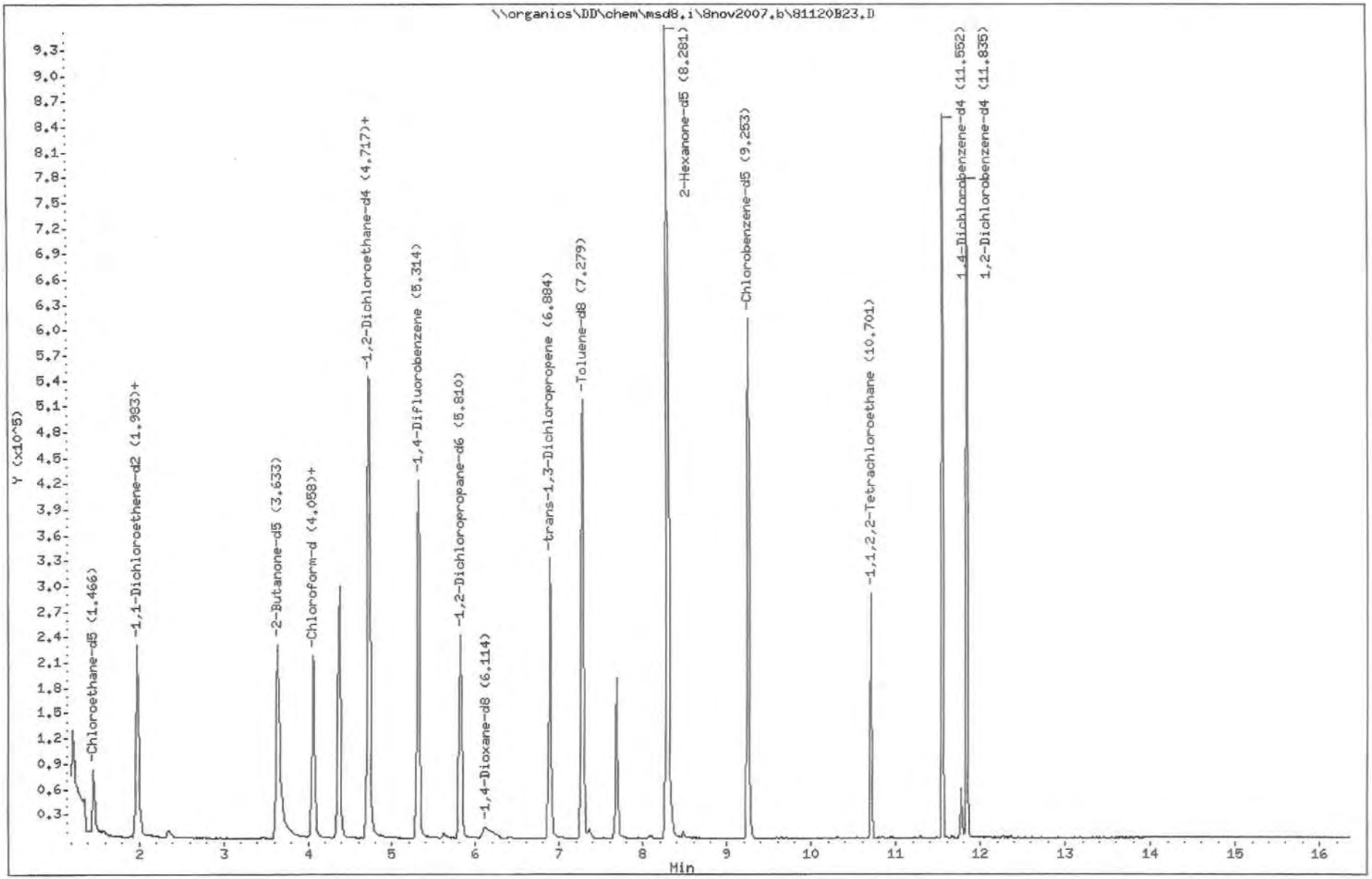
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D
Lab Smp Id: IK15003-009 Client Smp ID: Y3QP8
Inj Date : 20-NOV-2007 16:18
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-009
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 20
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\8nov2007.b\81120B23.D
Date : 20-NOV-2007 16:18
Client ID: Y3QP8
Sample Info: 8nov2007.b, IK15003-009
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D

Date : 20-NOV-2007 16:18

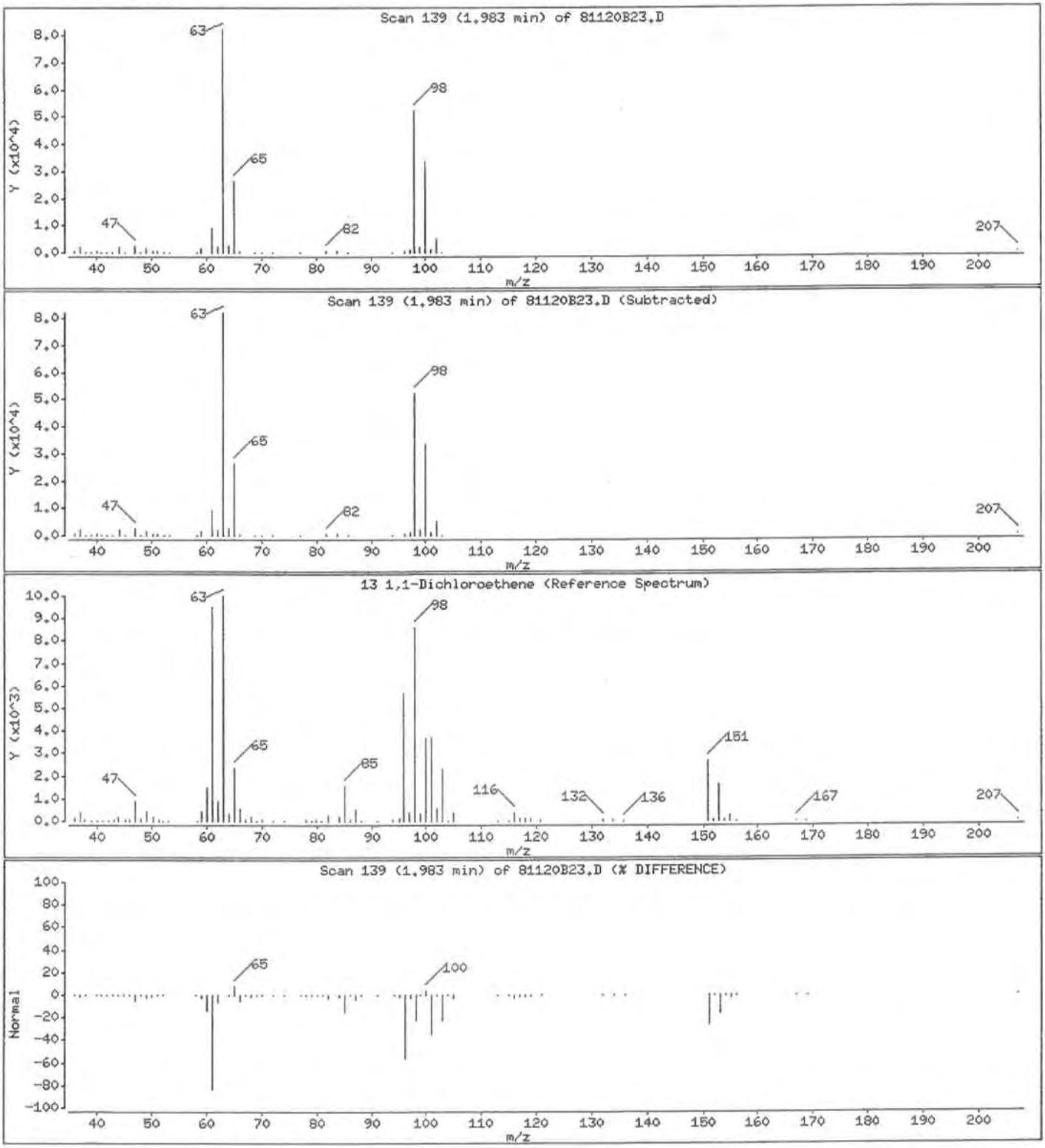
Client ID: Y3QP8 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-009

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0846 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D

Date : 20-NOV-2007 16:18

Client ID: Y3QP8

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-009

Purge Volume: 25.0

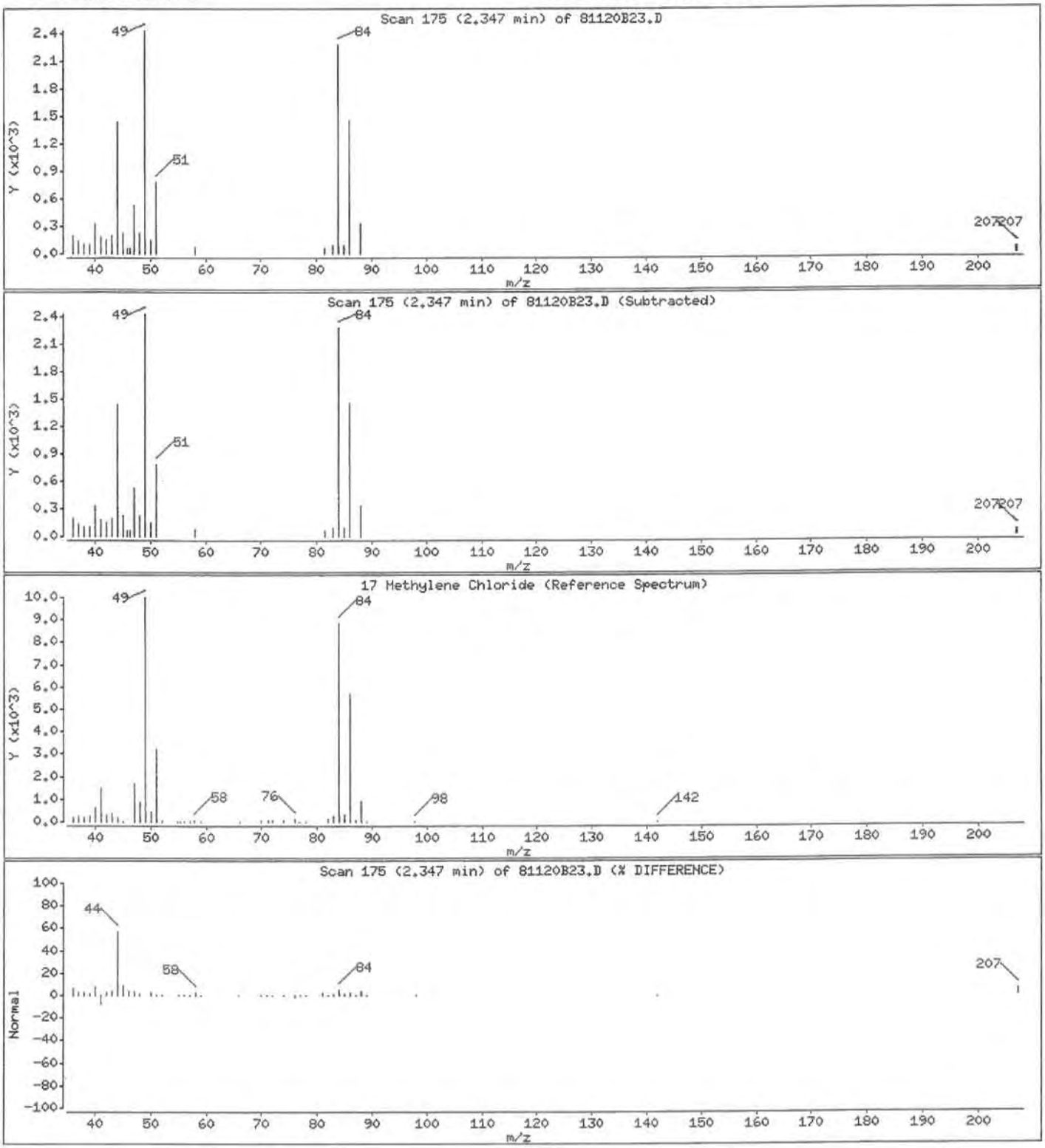
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2552 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D

Date : 20-NOV-2007 16:18

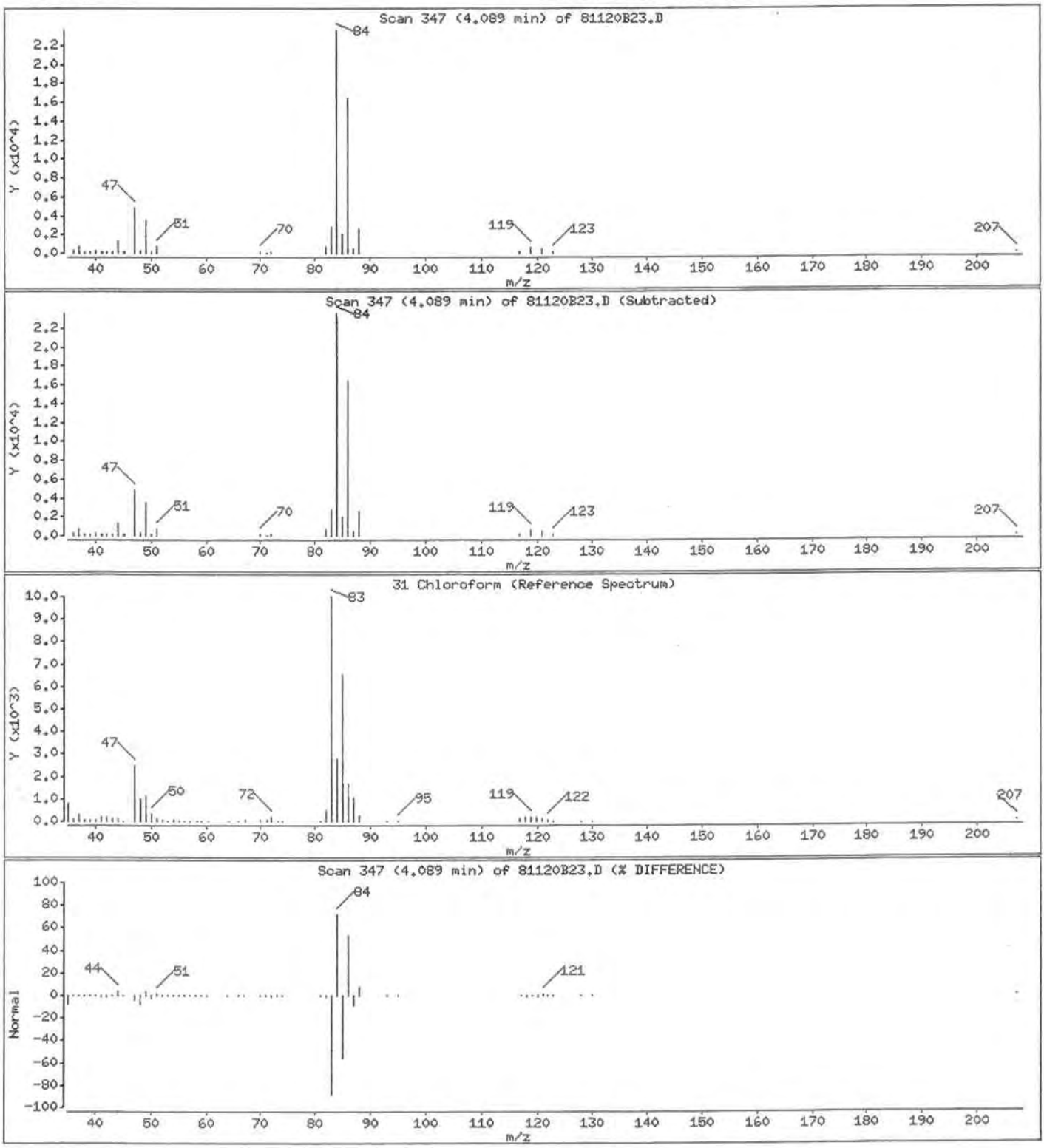
Client ID: Y3QP8 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-009

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1959 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B23.D

Date : 20-NOV-2007 16:18

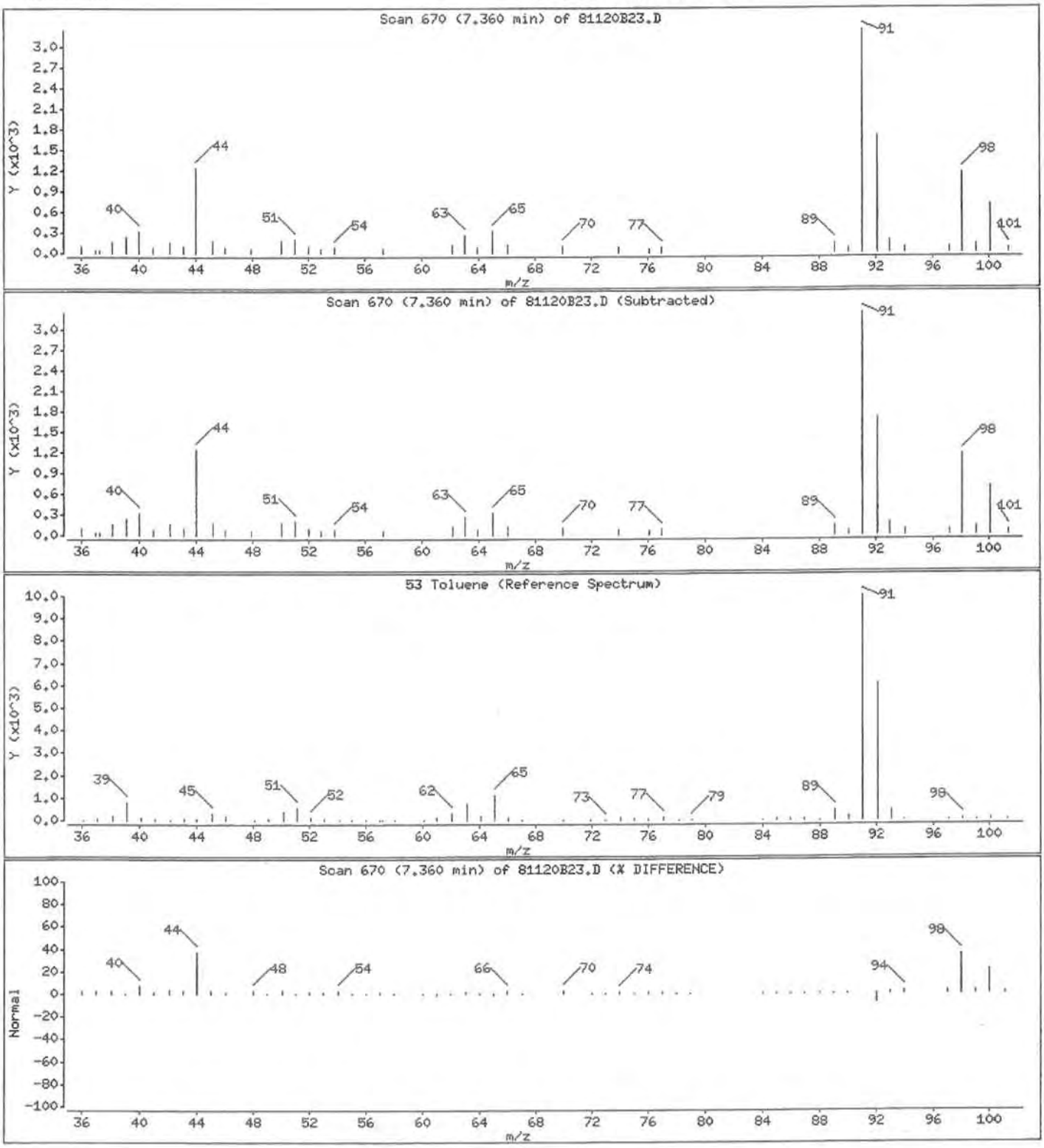
Client ID: Y3QP8 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-009

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0763 ug/L



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

EPA SAMPLE NO.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.28	J
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	2.4	B
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.21	J
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	0.28	JB
156-60-5	trans-1,2-Dichloroethene	0.20	J
1634-04-4	Methyl tert-butyl ether	0.21	J
75-34-3	1,1-Dichloroethane	0.25	J
156-59-2	cis-1,2-Dichloroethene	4.0	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.0	B
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	1.2	
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.61	

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

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

EPA SAMPLE NO.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	200	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	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.15	J
127-18-4	Tetrachloroethene	13	
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.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B24.D
Lab Smp Id: IK15003-010 Client Smp ID: Y3QQ0
Inj Date : 20-NOV-2007 16:40
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-010
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 21
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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	1.060	1.061	(0.200)	3649	0.27551	0.2755(a)
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl Chloride-d3	65	1.222	1.223	(0.230)	69445	8.61123	8.6112(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.465	1.466	(0.276)	80122	8.17486	8.1748(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)	214998	5.98976	5.9897(R)
13	1,1-Dichloroethene	96	1.992	1.982	(0.375)	45062	2.38473	2.3847(Q)
11	1,1,2-Trichloro-1,2,2-trifluo	101	1.982	1.992	(0.373)	3412	0.20908	0.2090(aQ)
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	2.347	(0.442)	7450	0.27620	0.2761(a)
20	Methyl tert-Butyl Ether	73	2.579	2.580	(0.485)	12654	0.21321	0.2132(a)
21	trans-1,2-Dichloroethene	96	2.579	2.580	(0.485)	4070	0.19944	0.1994(a)
23	1,1-Dichloroethane	63	2.984	2.985	(0.562)	8896	0.25040	0.2504(a)
$ 25	2-Butanone-d5	46	3.632	3.633	(0.684)	493054	56.3976	56.3976
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	89243	3.97988	3.9798
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.058	4.058	(0.764)	220818	5.91555	5.9155
31	Chloroform	83	4.088	4.088	(0.769)	35010	1.00827	1.0082
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	4.503	4.493	(0.487)	7036	1.23835	1.2383 (H)
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	113913	5.93753	5.9375
$	36 Benzene-d6	84	4.726	4.716	(0.511)	506634	6.12491	6.1249
	37 Benzene	78	Compound Not Detected.					
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	14179	0.61263	0.6126
*	41 1,4-Difluorobenzene	114	5.313	5.314	(1.000)	416449	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	4150446	202.927	202.9274 (A)
$	44 1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	151569	5.54999	5.5499
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.113	6.144	(1.151)	26658	255.261	255.2614 (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)	235231	5.25574	5.2557
	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)	429895	5.98844	5.9884
	53 Toluene	91	Compound Not Detected.					
	55 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	2565	0.15325	0.1532 (a)
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	196167	13.0545	13.0545
$	58 2-Hexanone-d5	63	8.280	8.281	(0.895)	483205	58.0948	58.0948
	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)	375607	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)	123771	5.33630	5.3363
	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)	203741	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	174211	6.01479	6.0147
	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.

QC Flag Legend

H - Operator selected an alternate compound hit.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B24.D
Lab Smp Id: IK15003-010 Client Smp ID: Y3QQ0
Inj Date : 20-NOV-2007 16:40
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-010
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 21
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\8nov2007.b\81120B24.D

Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

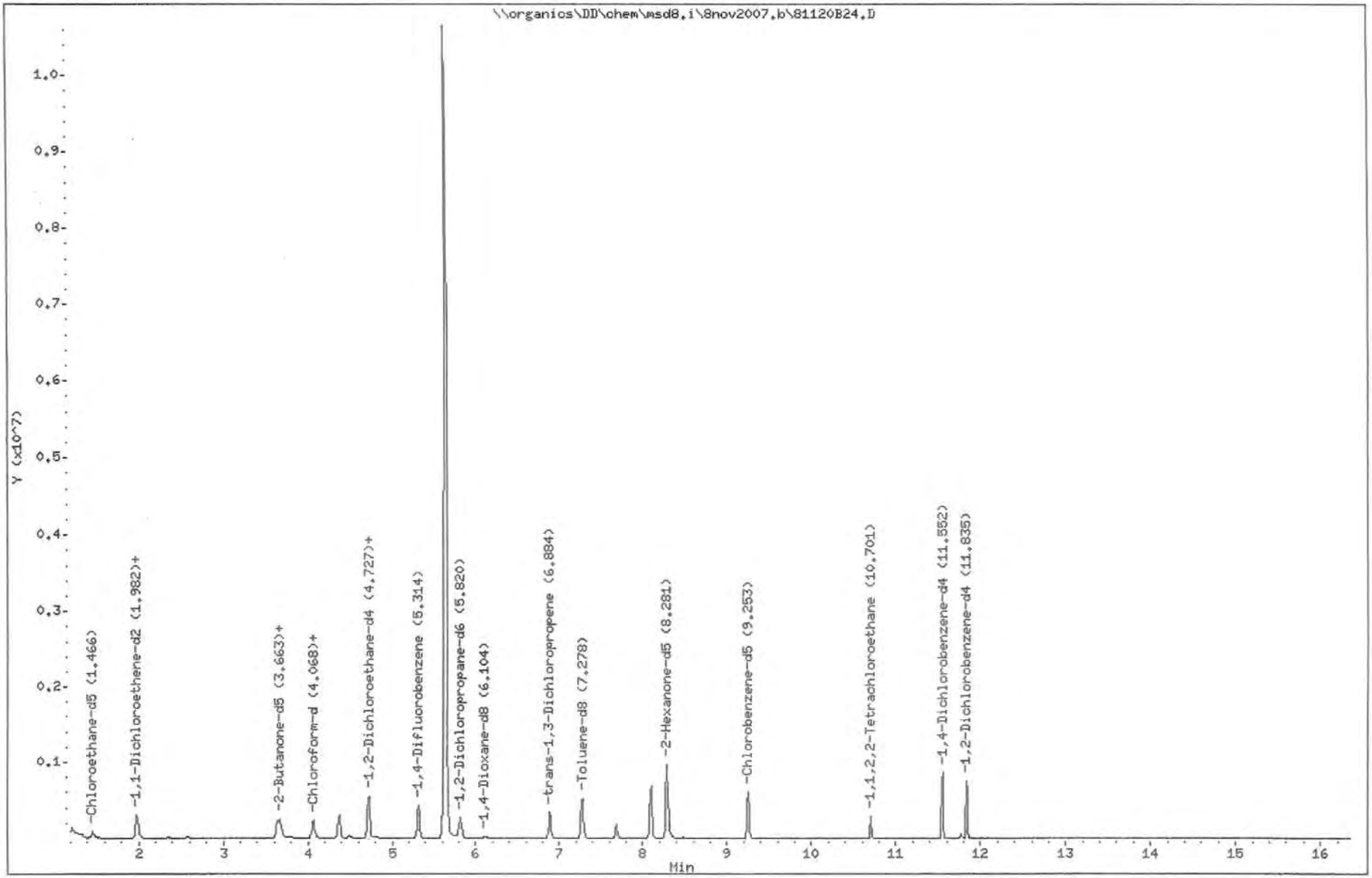
Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

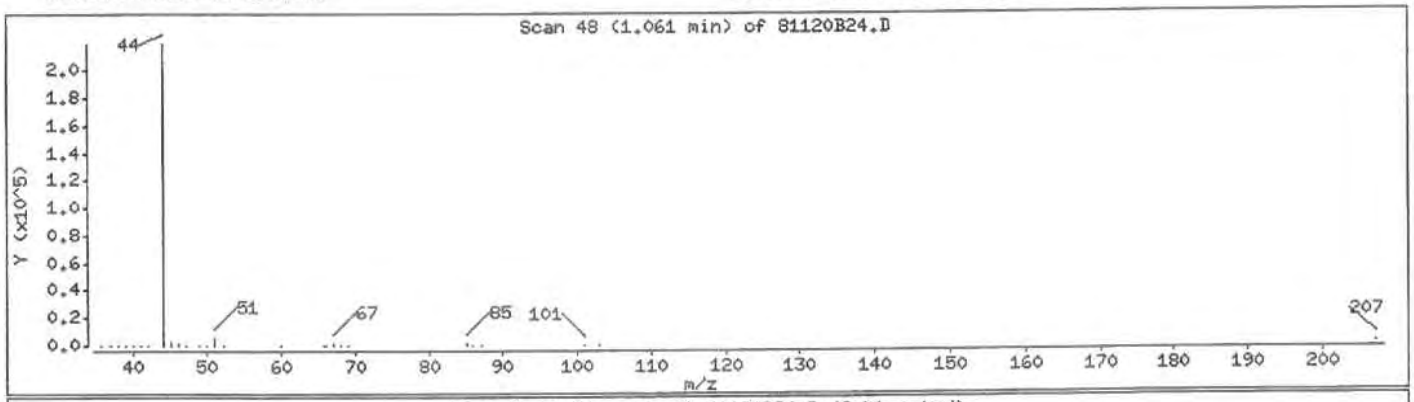
Operator: DLB

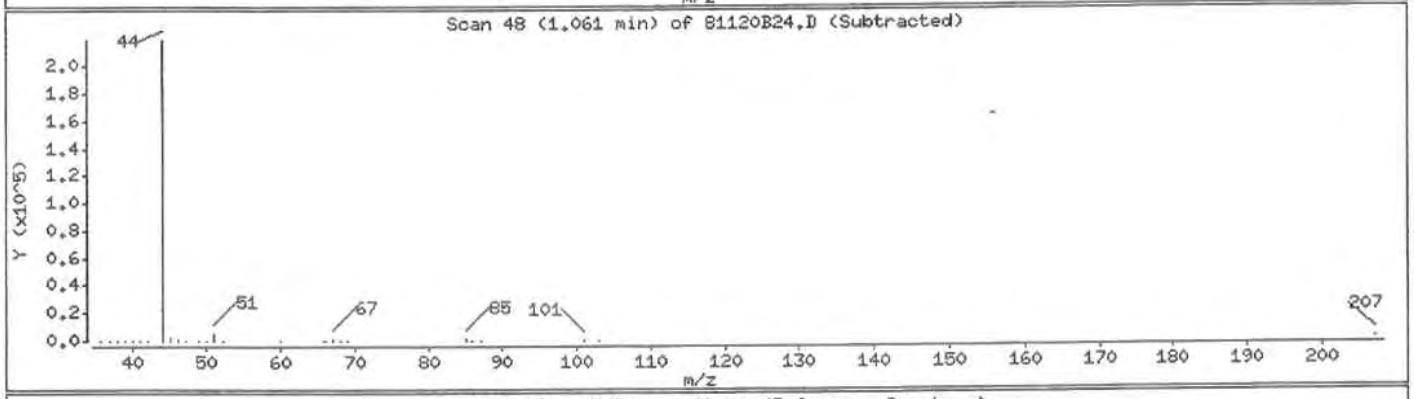
Column phase: DB-624

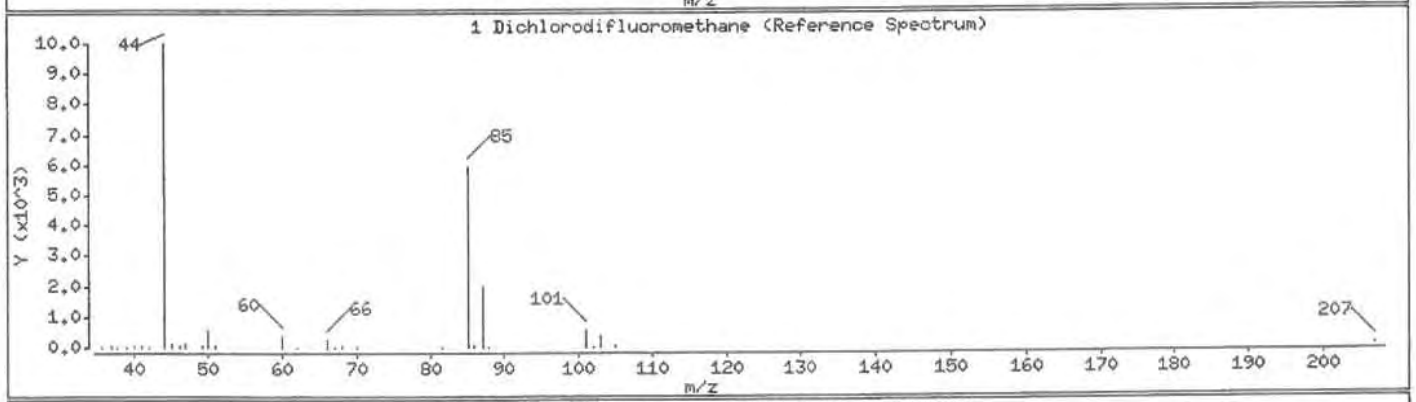
Column diameter: 0.18

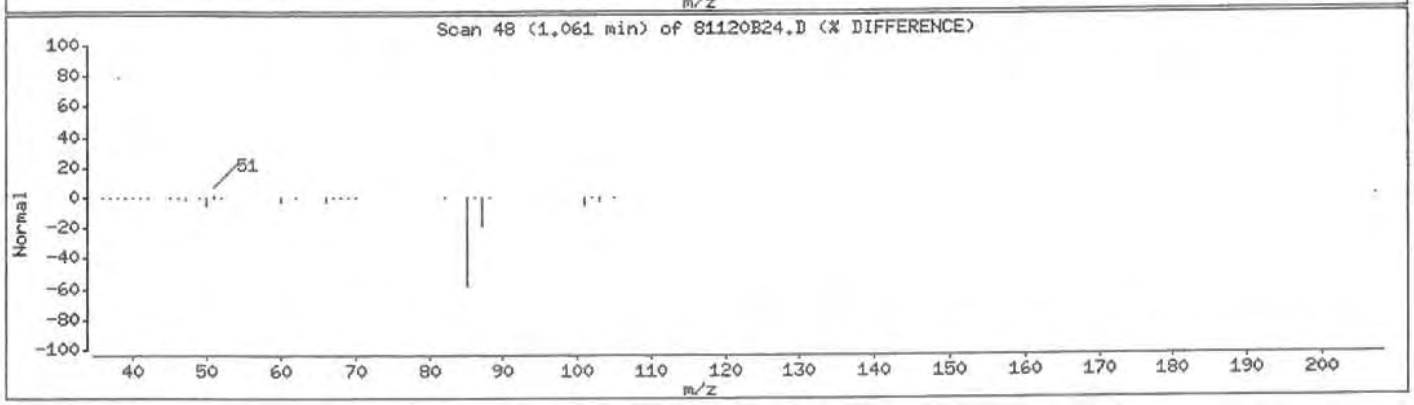
1 Dichlorodifluoromethane

Concentration: 0.2755 ug/L









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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

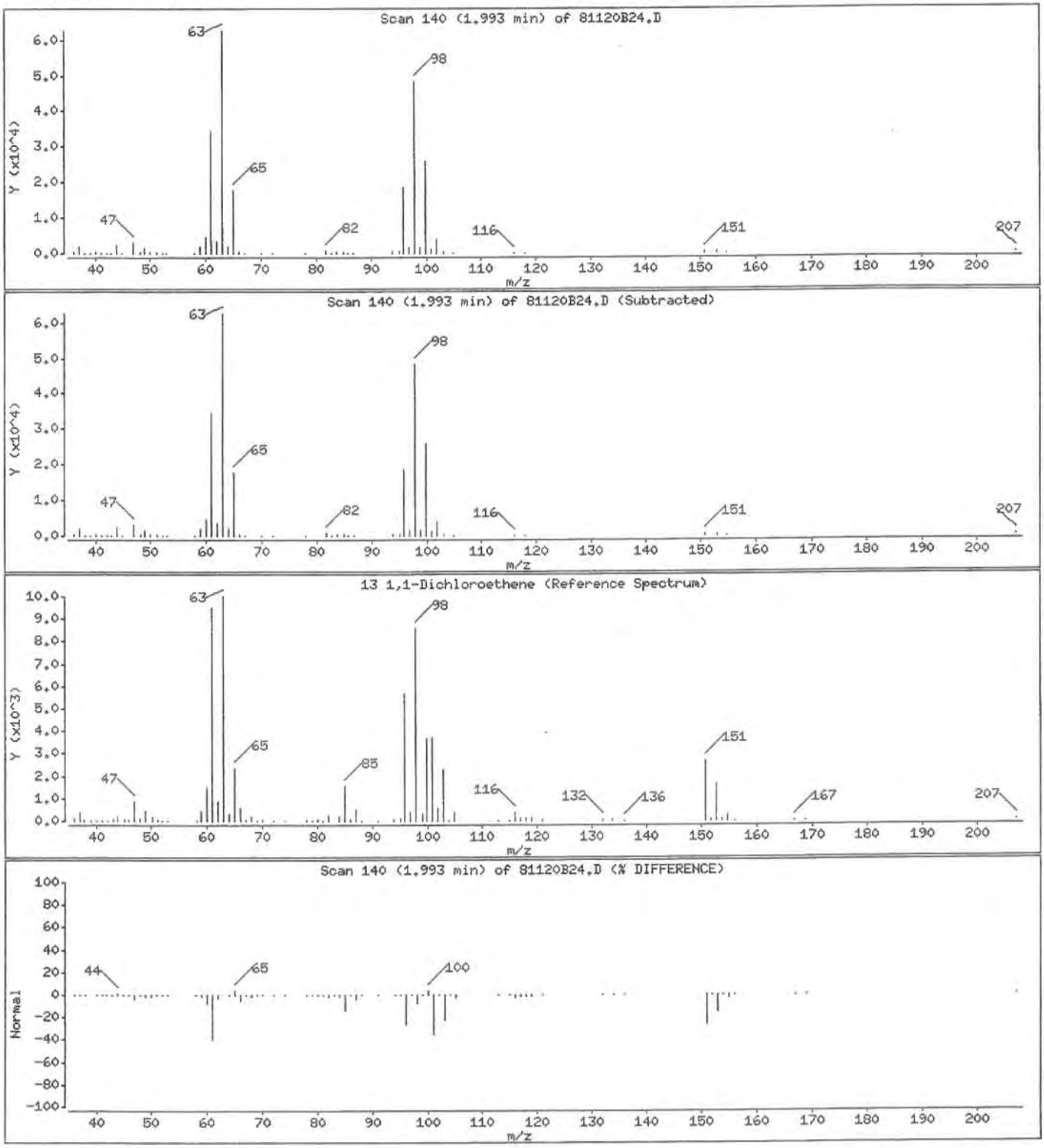
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 2.3847 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

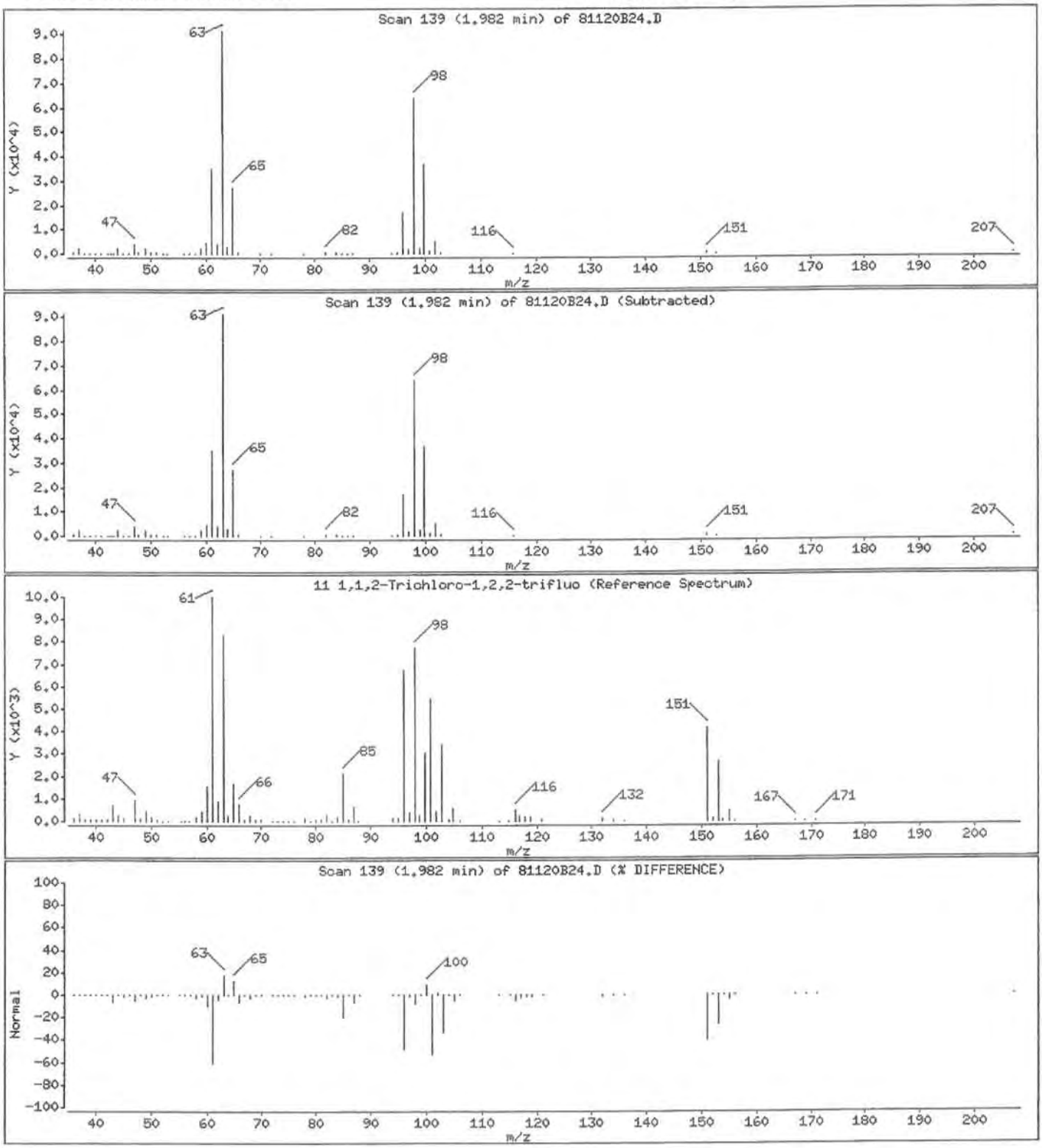
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

11 1,1,2-Trichloro-1,2,2-trifluo

Concentration: 0.2090 ug/L



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Date : 20-NOV-2007 16:40

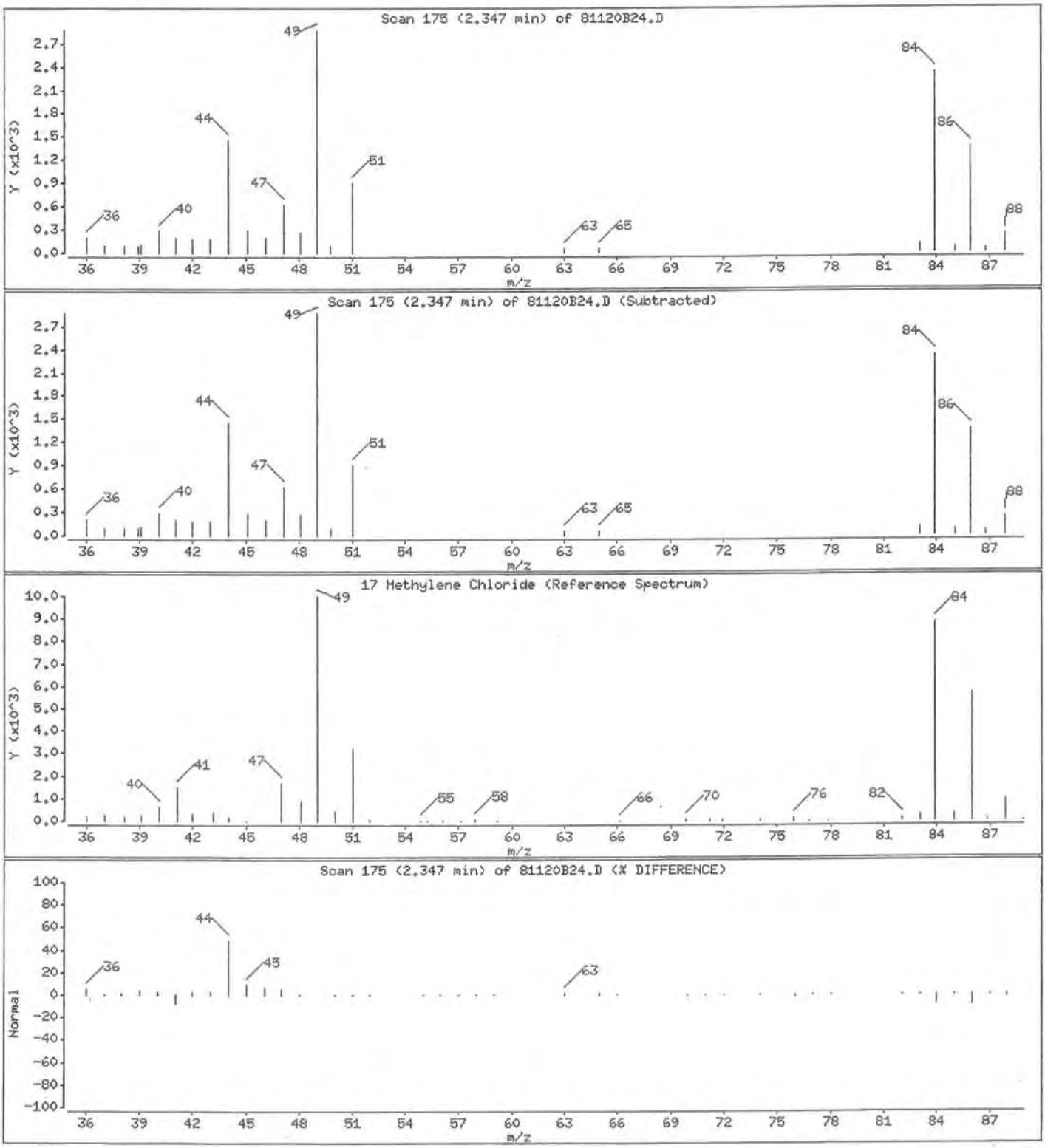
Client ID: Y3QQ0 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.2761 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

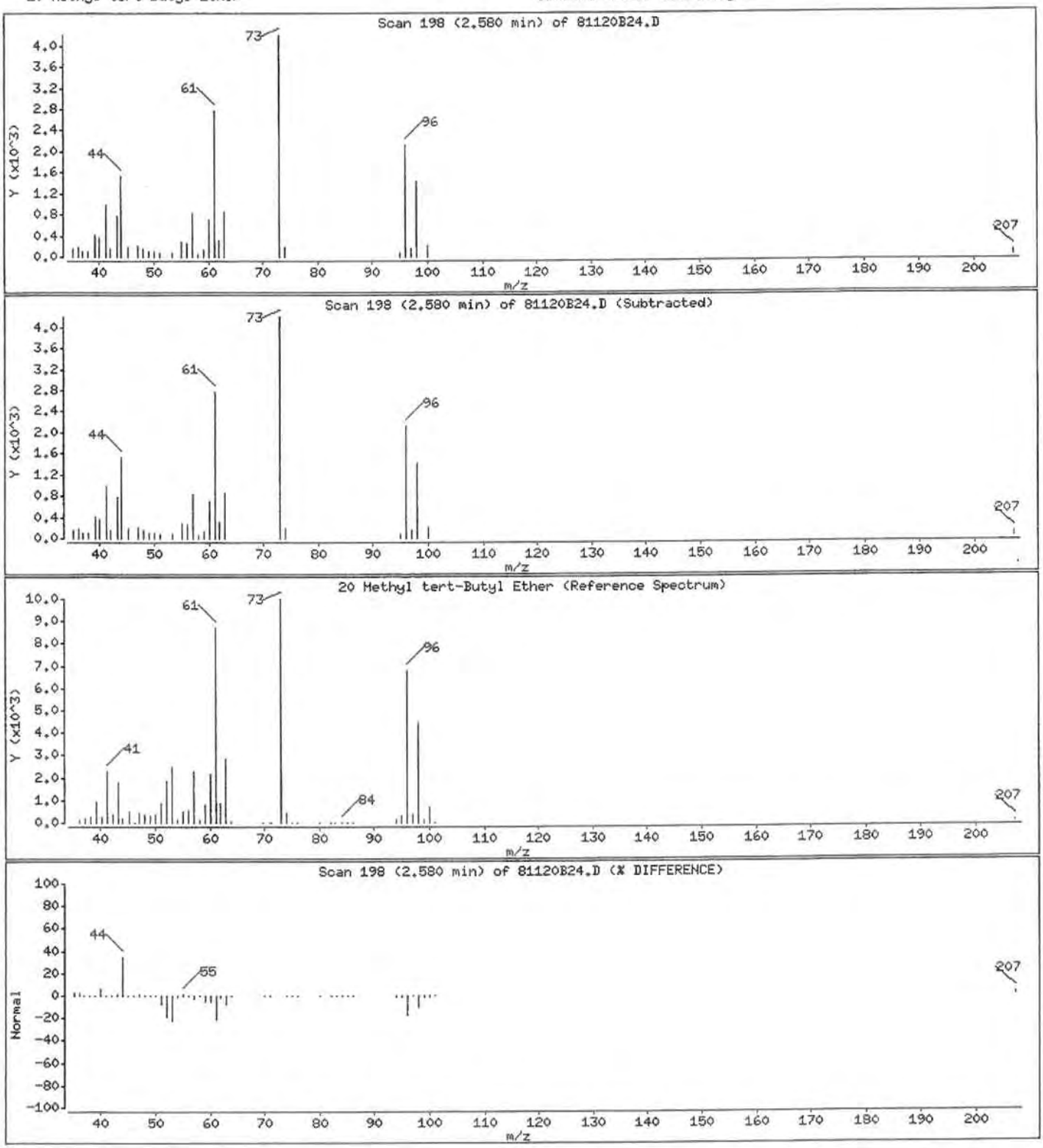
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

20 Methyl tert-Butyl Ether

Concentration: 0.2132 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

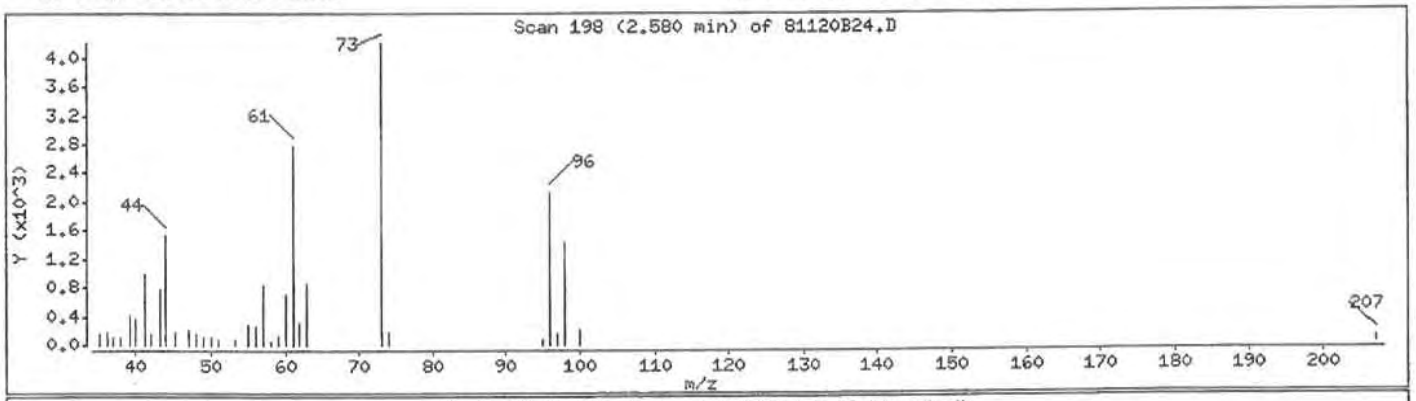
Operator: DLB

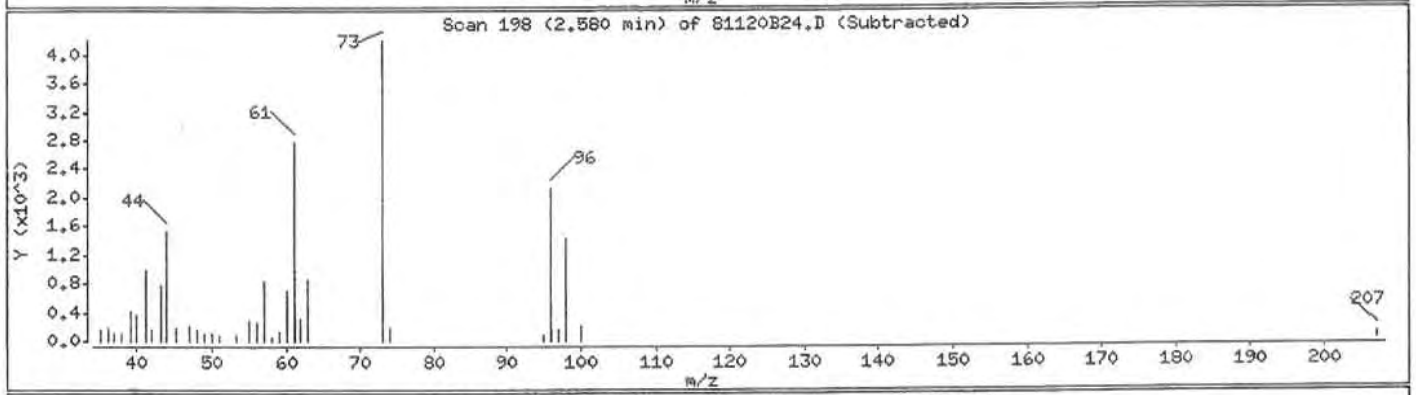
Column phase: DB-624

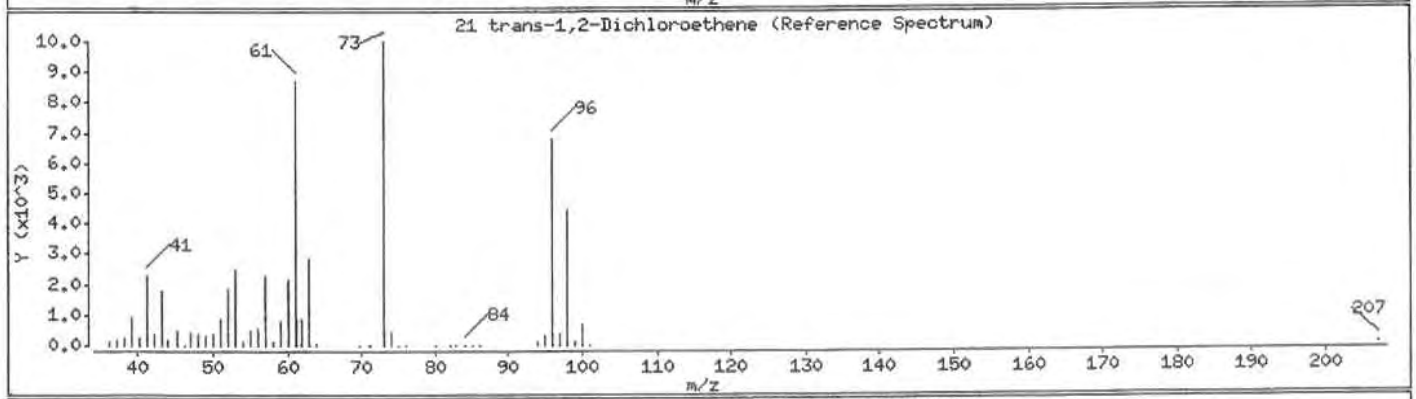
Column diameter: 0.18

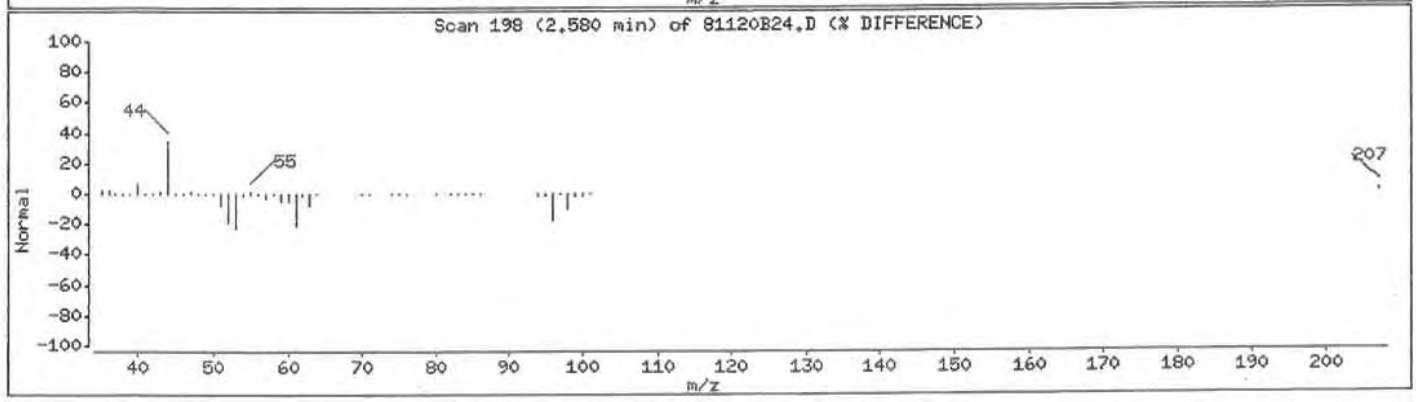
21 trans-1,2-Dichloroethene

Concentration: 0.1994 ug/L









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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

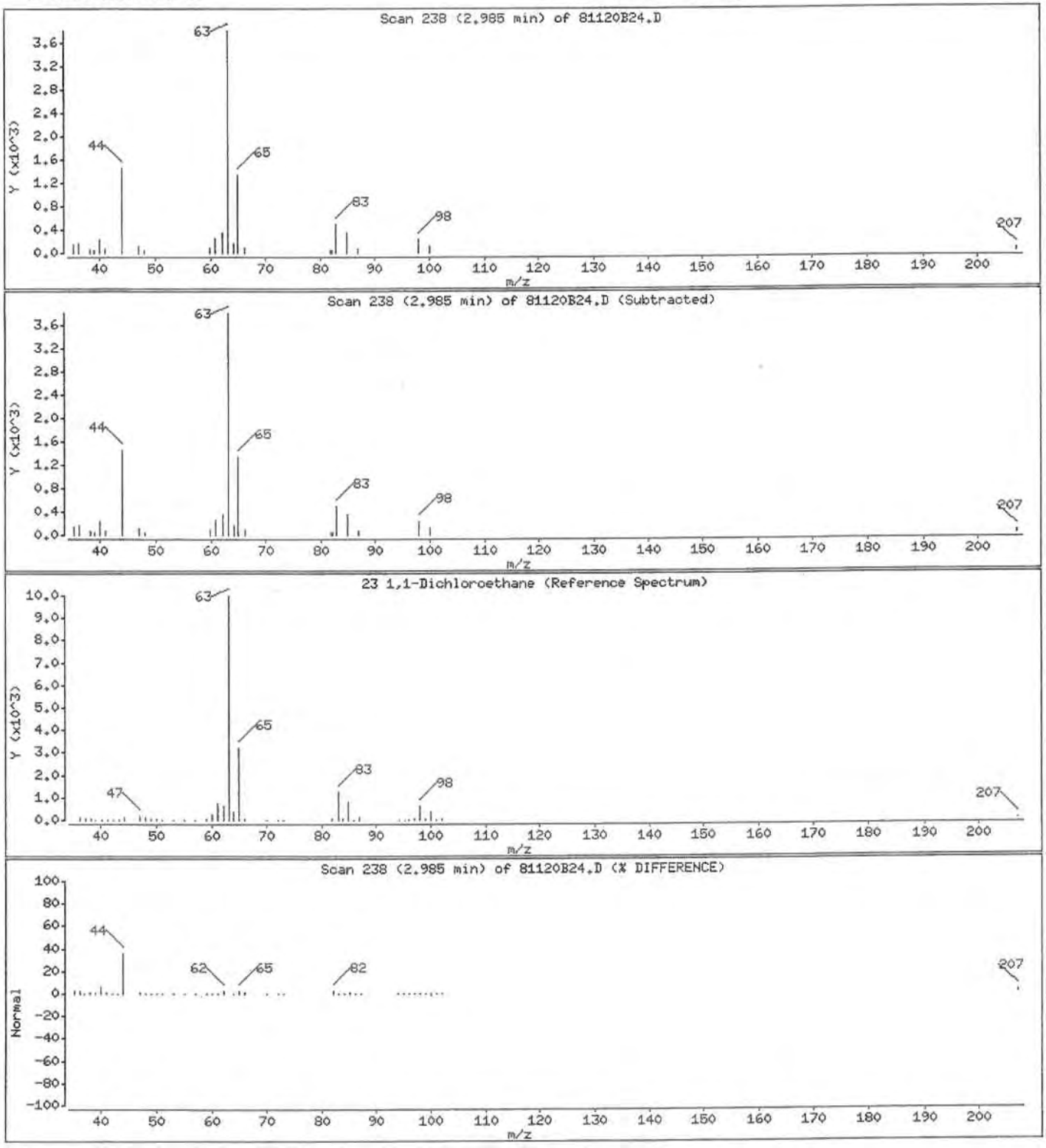
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

23 1,1-Dichloroethane

Concentration: 0.2504 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

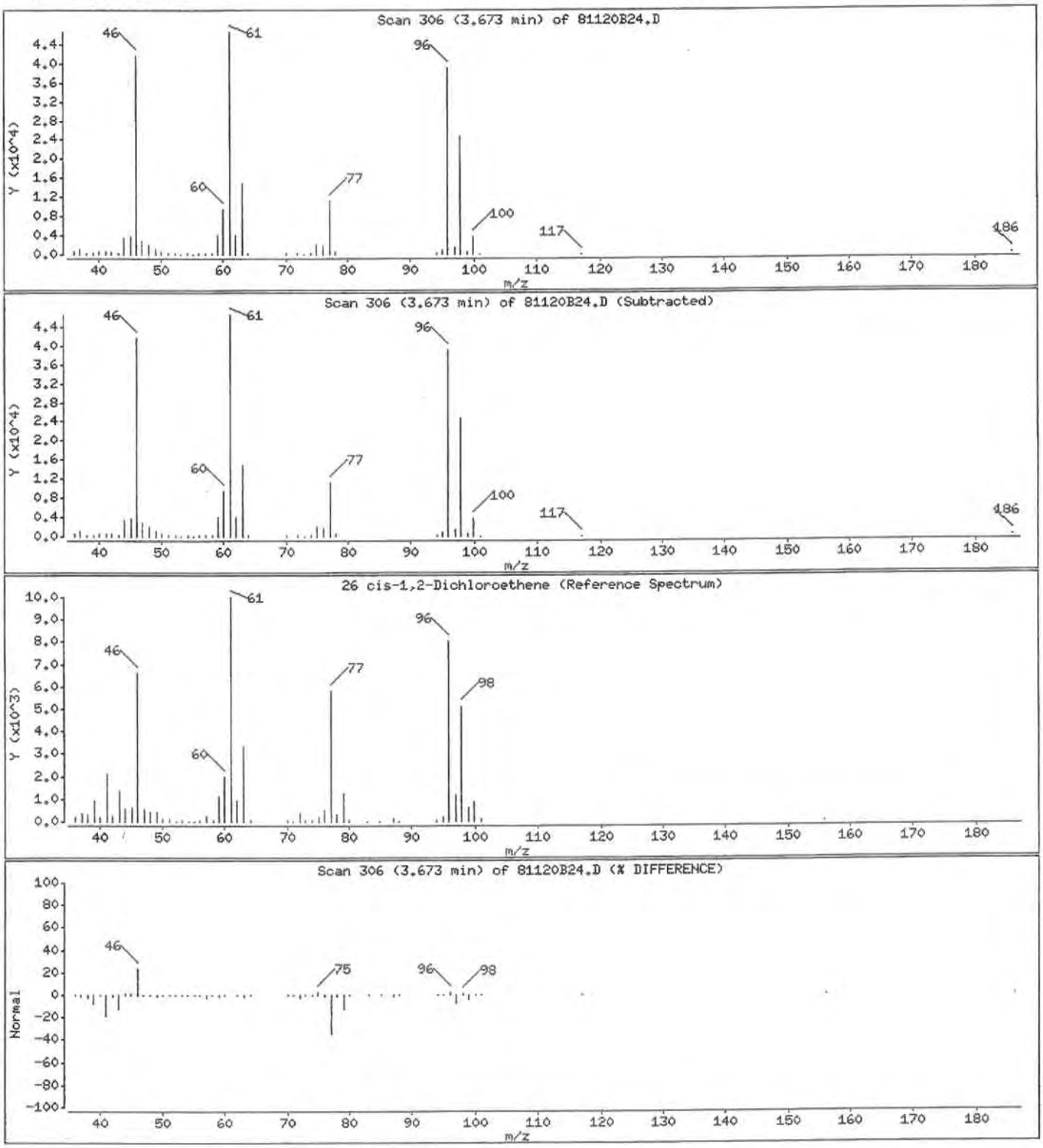
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 3.9798 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

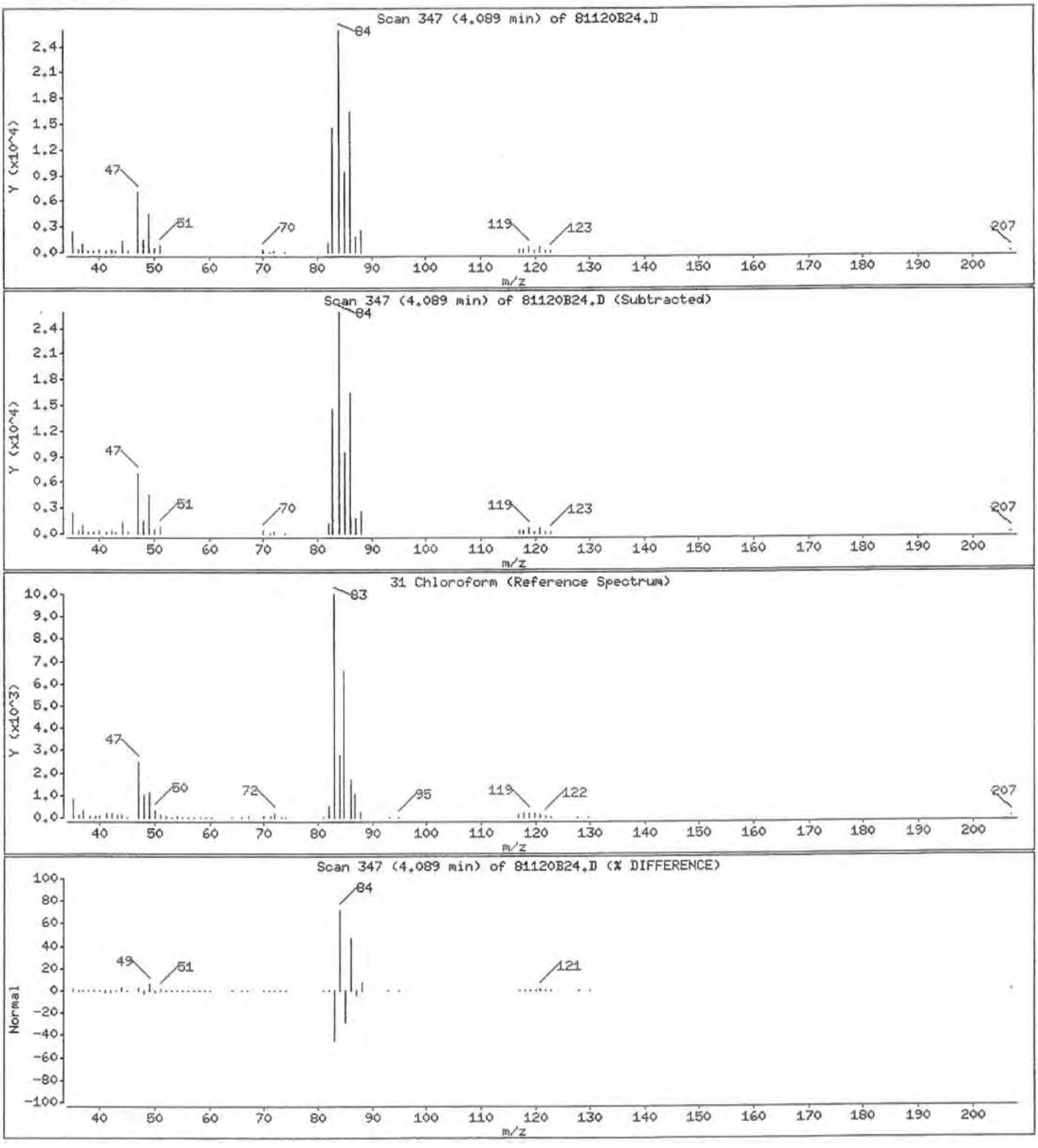
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

31 Chloroform

Concentration: 1.0082 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

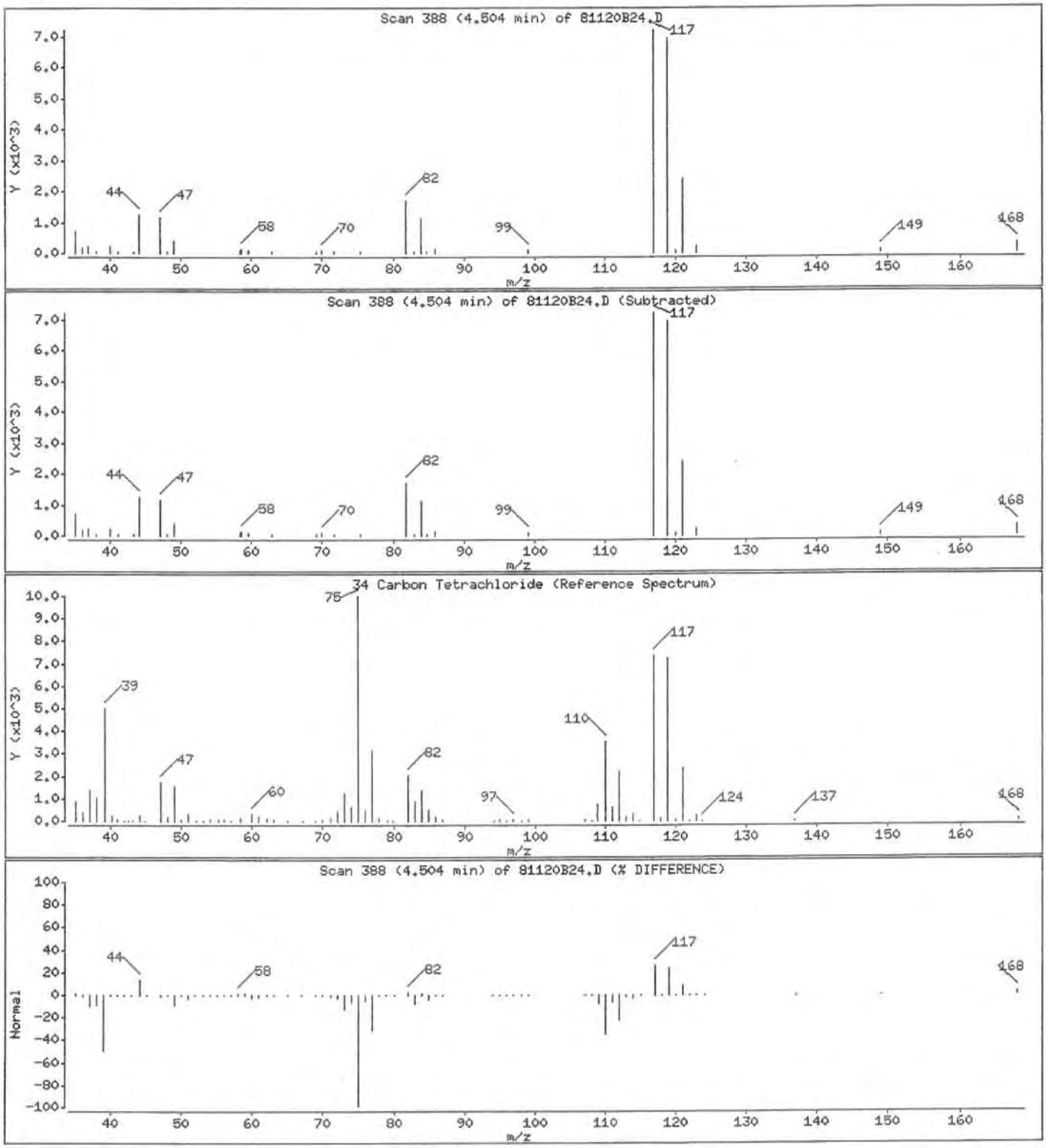
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

34 Carbon Tetrachloride

Concentration: 1.2383 ug/L



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Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

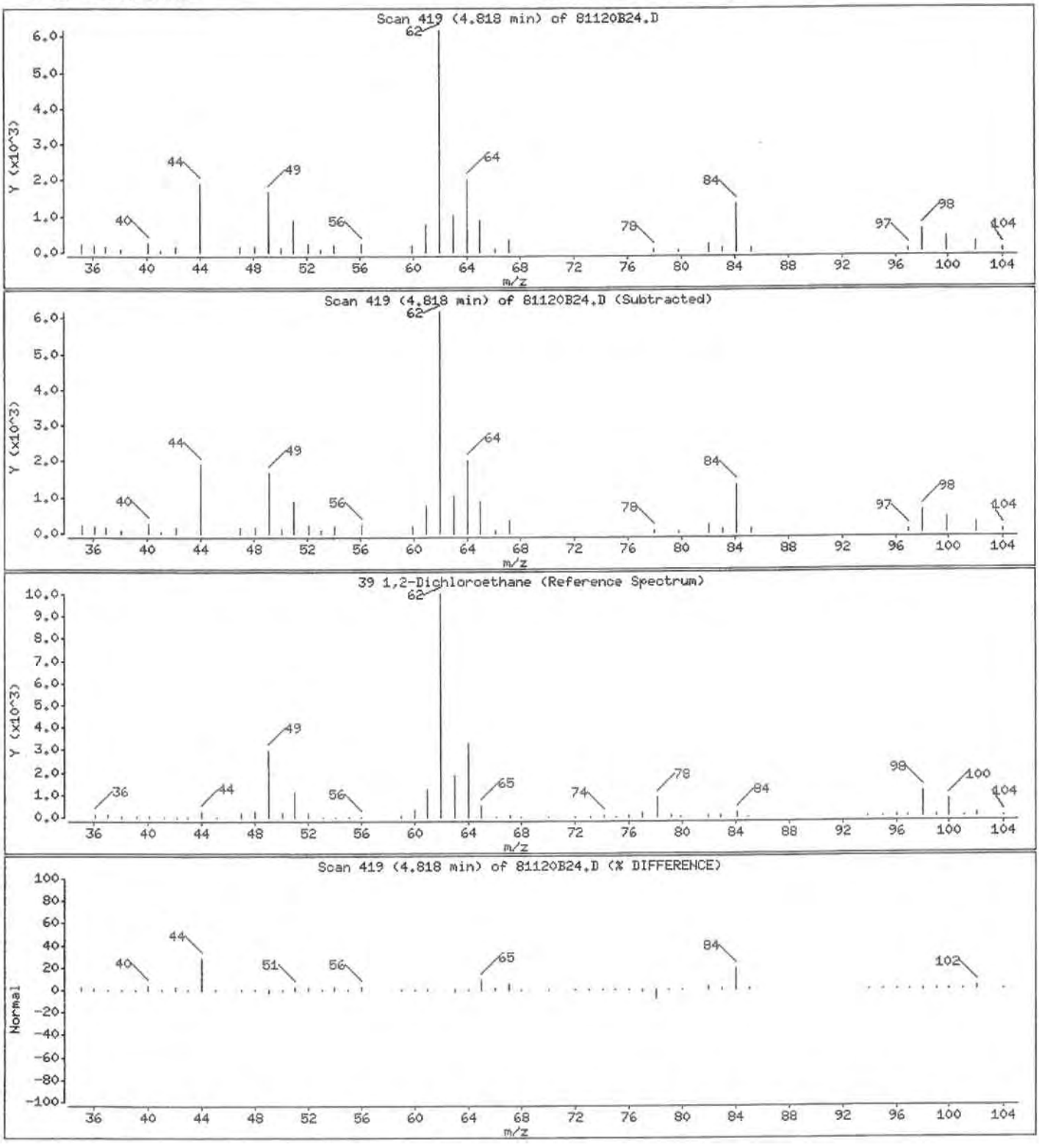
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

39 1,2-Dichloroethane

Concentration: 0.6126 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

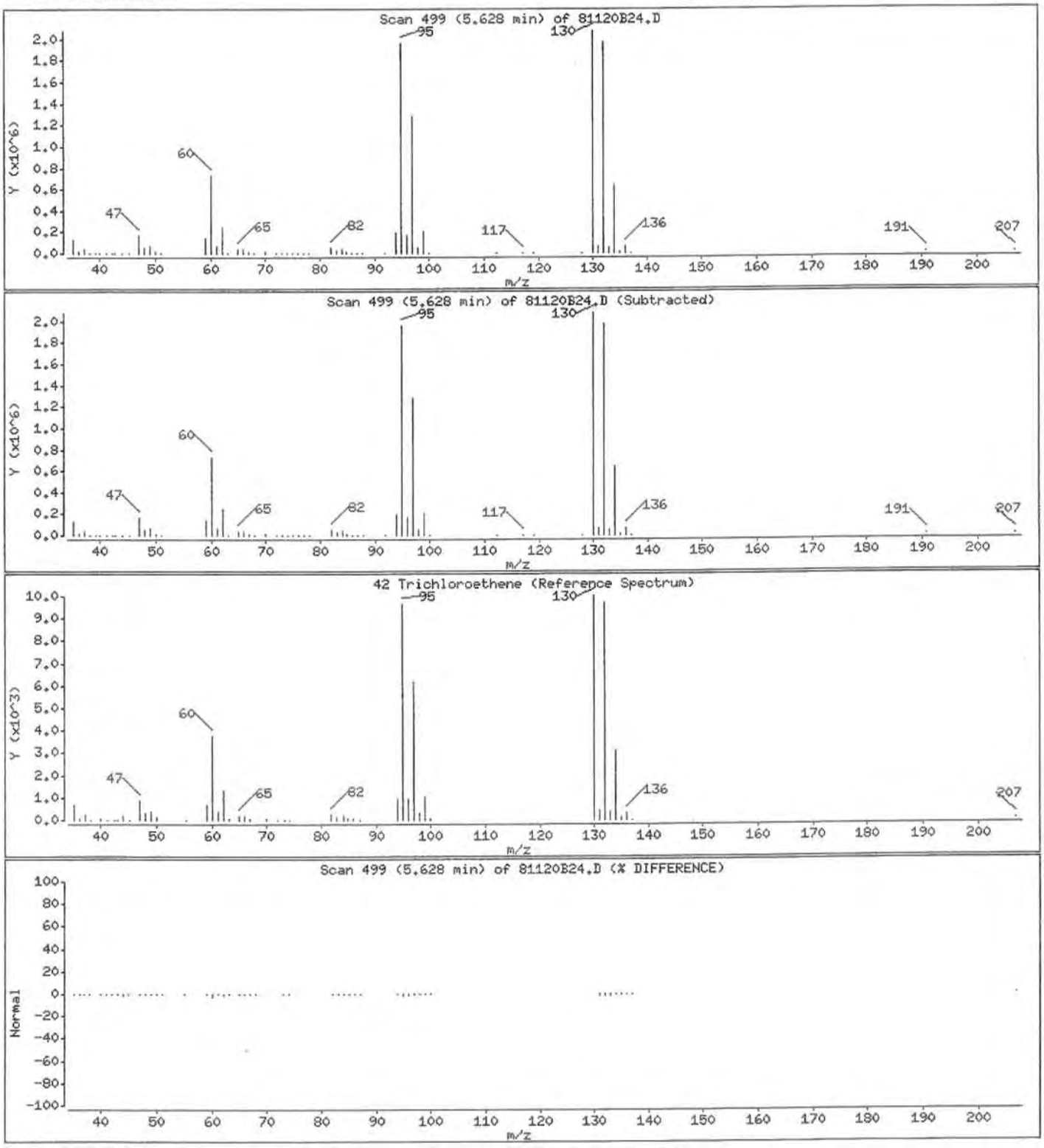
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 202.9274 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

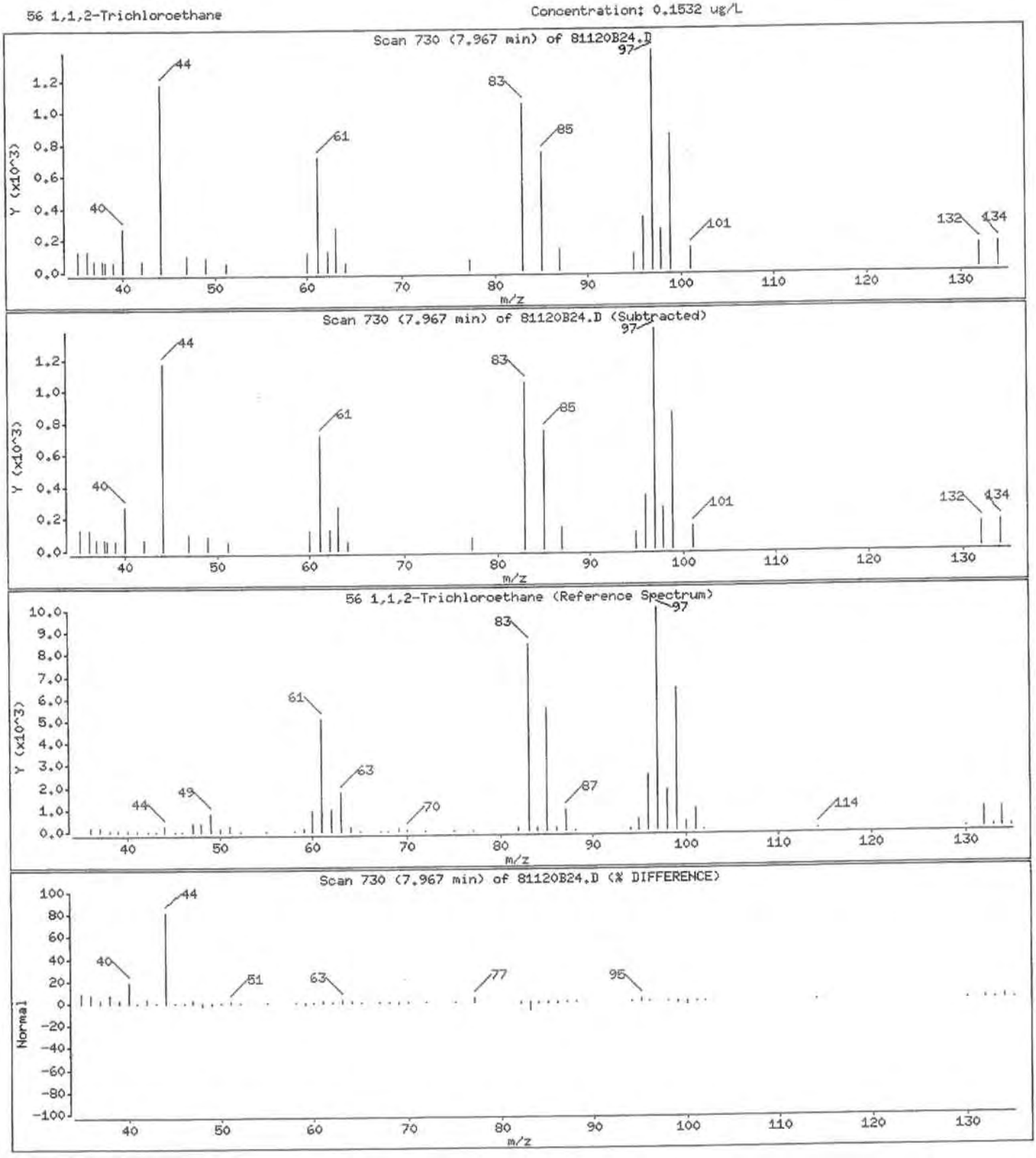
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

56 1,1,2-Trichloroethane

Concentration: 0.1532 ug/L



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Date : 20-NOV-2007 16:40

Client ID: Y3QQ0

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010

Purge Volume: 25.0

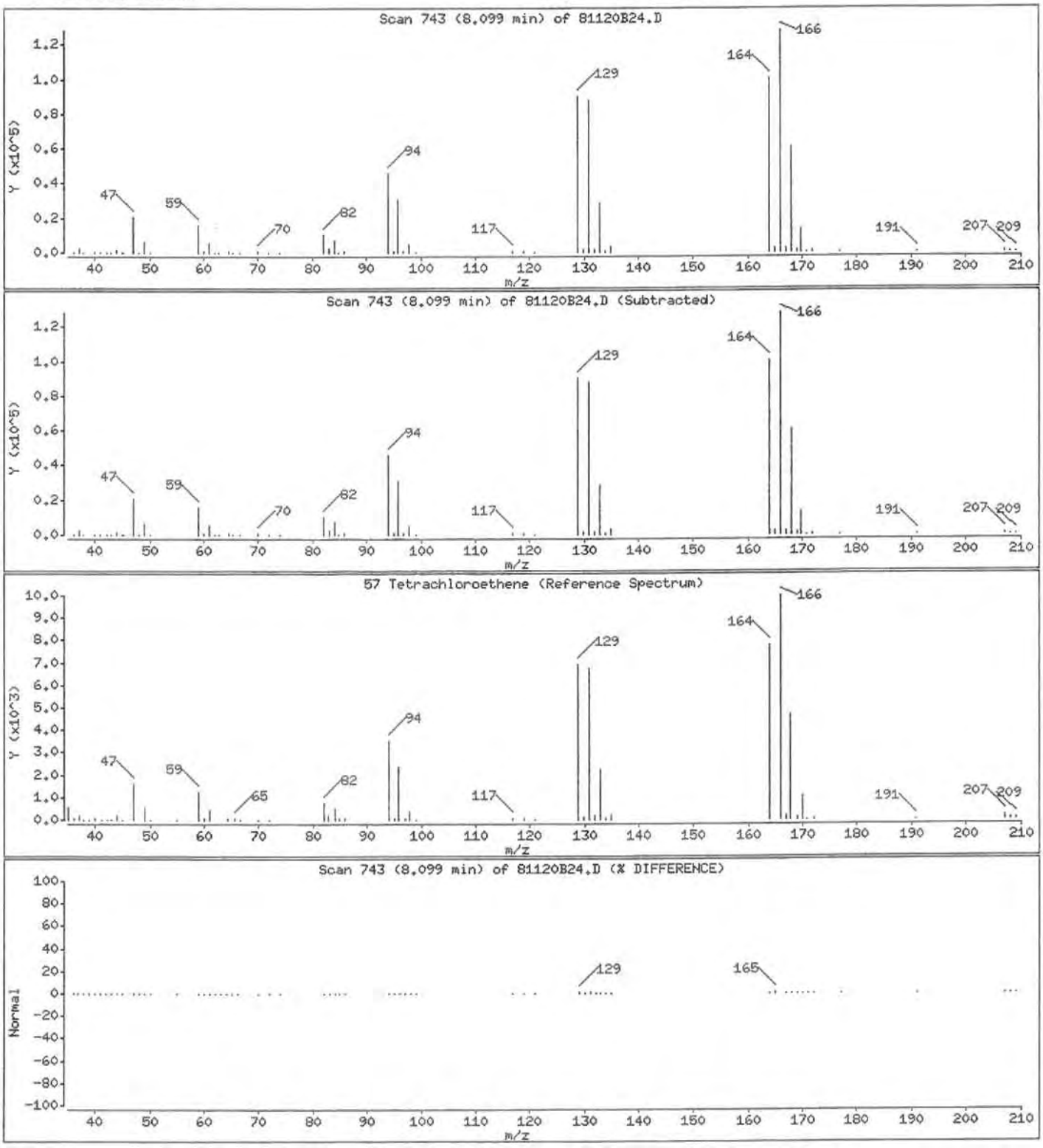
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 13.0545 ug/L



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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3.8	J DB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	15	J DB
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	7.9	J DB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	3.7	J D
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	2.6	J DB
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

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

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	170	D
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	1.8	J D
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	12	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
95-47-6	o-Xylene	10	U
179601-23-1	m,p-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	100	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.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B27.D
Lab Smp Id: IK15003-010 Client Smp ID: Y3QQ0DL
Inj Date : 20-NOV-2007 17:45
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-010, 20X
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 23
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

Name	Value	Description
DF	20.000	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)	64327	8.23936	8.2393(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	71647	7.55096	7.5509(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)	174873	5.03238	5.0323
	13 1,1-Dichloroethene	96	1.992	1.982	(0.375)	3445	0.18832	3.7663(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.023	2.023	(0.381)	3759	0.76990	15.3980(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)	10299	0.39440	7.8879(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	3.633	(0.684)	444107	52.4723	52.4722
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	3963	0.18256	3.6511(a)
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.068	4.058	(0.766)	197058	5.45293	5.4529
	31 Chloroform	83	4.088	4.088	(0.769)	4405	0.13104	2.6208(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)	101516	5.46566	5.4656
$	36	Benzene-d6	84	4.726	4.716	(0.511)	447576	5.50374	5.5037
	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)	403168	5.00000	
	42	Trichloroethene	95	5.628	5.628	(0.608)	173177	8.61236	172.2472
$	44	1,2-Dichloropropane-d6	67	5.820	5.810	(0.629)	133733	4.98089	4.9808
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.134	6.144	(1.154)	29154	288.358	288.3577
	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)	200102	4.54754	4.5475
	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)	382032	5.41299	5.4129
	53	Toluene	91	7.359	7.359	(0.795)	7436	0.09113	1.8226(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)	8579	0.58071	11.6141
$	58	2-Hexanone-d5	63	8.281	8.281	(0.895)	425793	52.0704	52.0703
	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)	369273	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)	110603	4.85036	4.8503
	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)	199079	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	152374	5.38405	5.3840
	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.

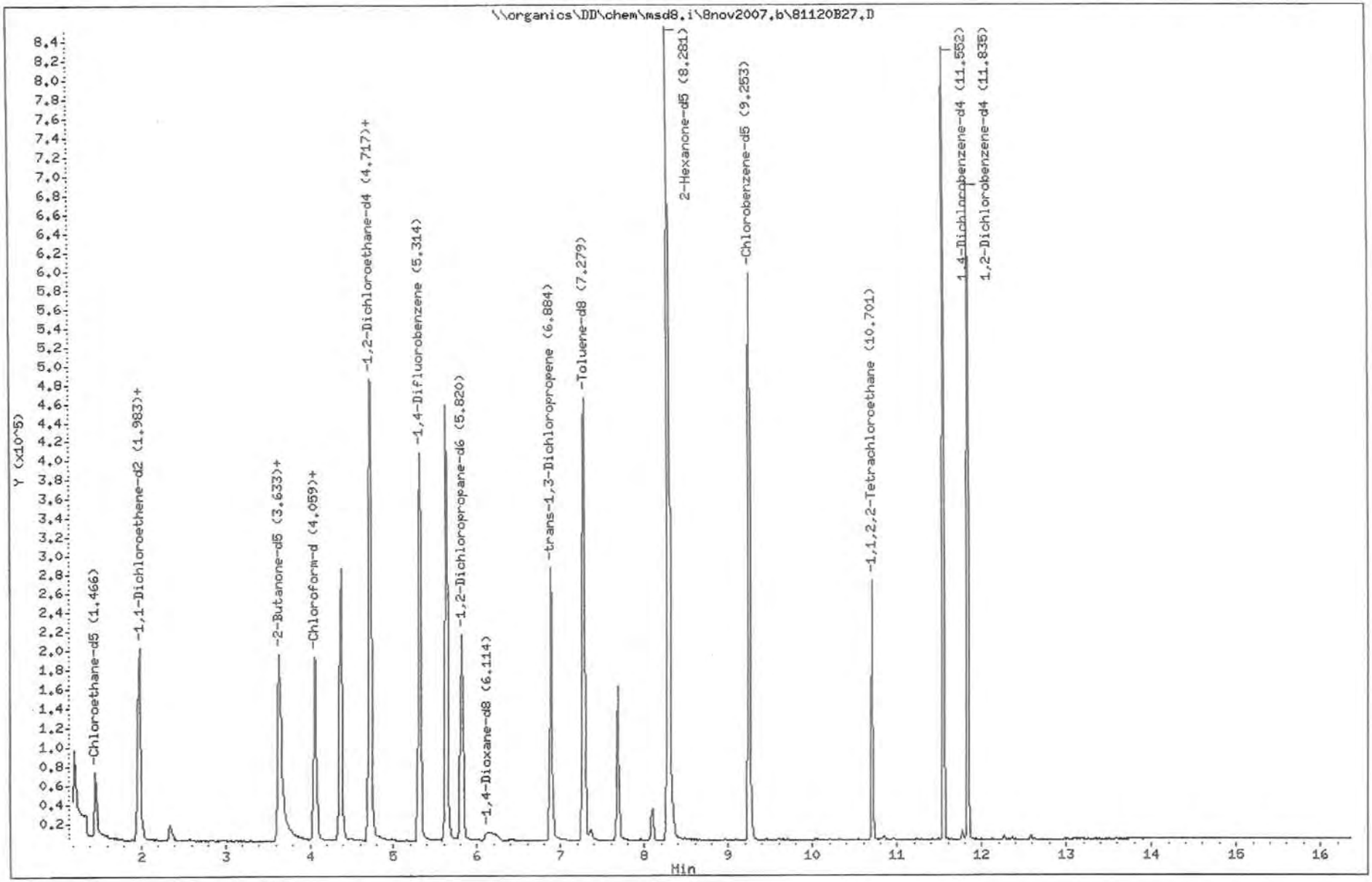
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B27.D
Lab Smp Id: IK15003-010 Client Smp ID: Y3QQ0DL
Inj Date : 20-NOV-2007 17:45
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-010, 20X
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 23
Dil Factor: 20.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B27.D
Date : 20-NOV-2007 17:45
Client ID: Y3QQ0DL
Sample Info: 8nov2007.b, IK15003-010, 20X
Purge Volume: 25.0
Column phase: DB-624

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



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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

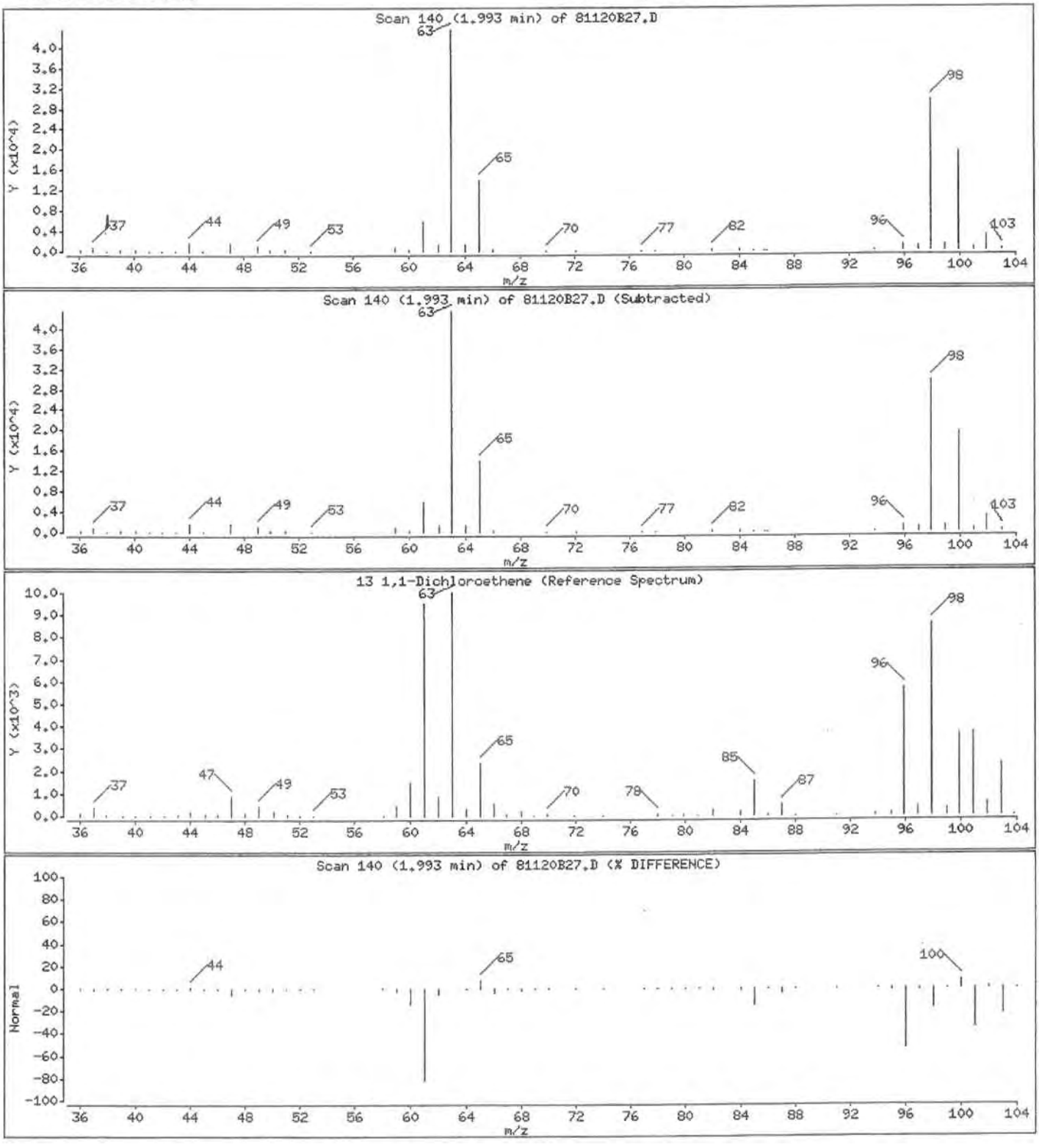
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 3.7663 ug/L



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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

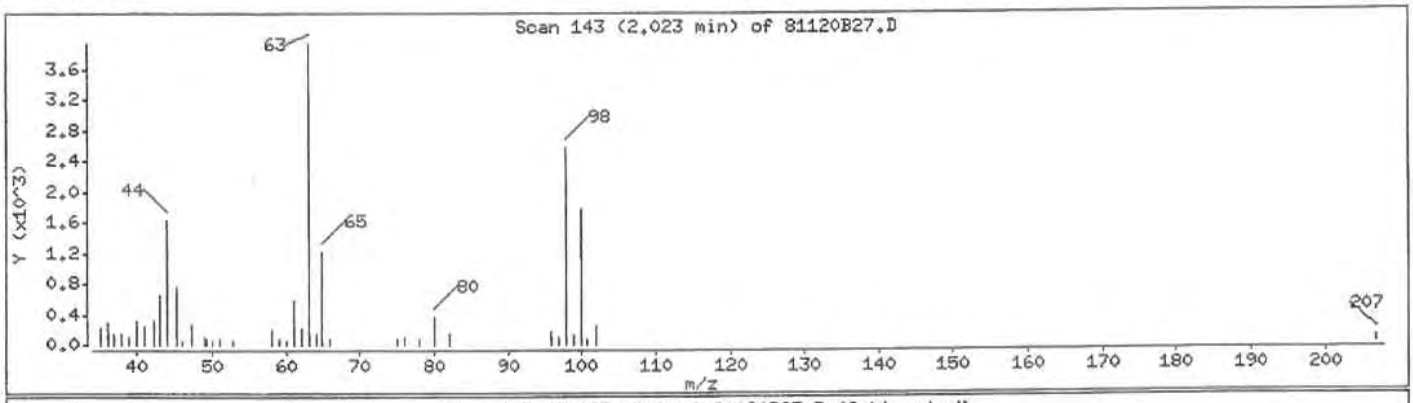
Operator: DLB

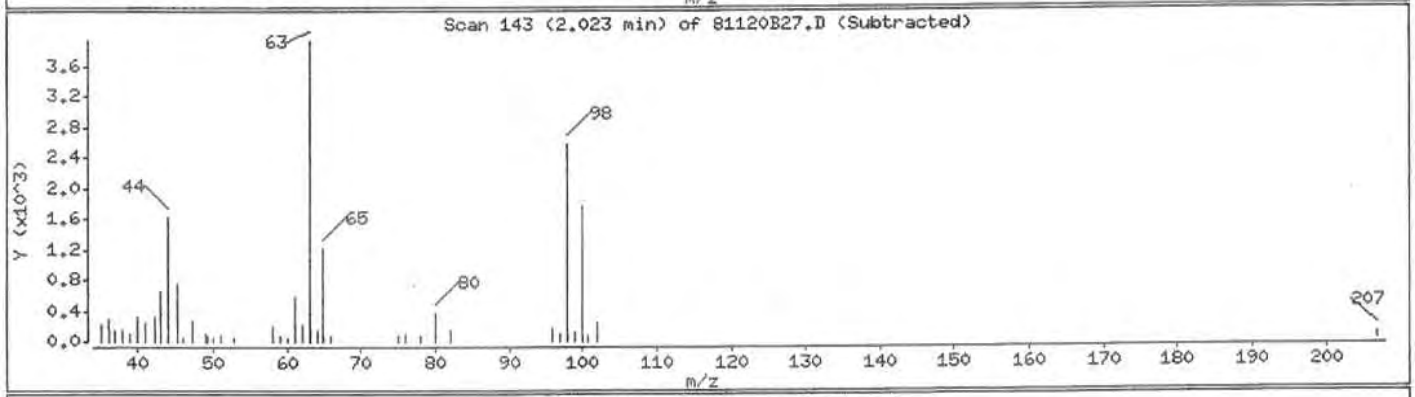
Column phase: DB-624

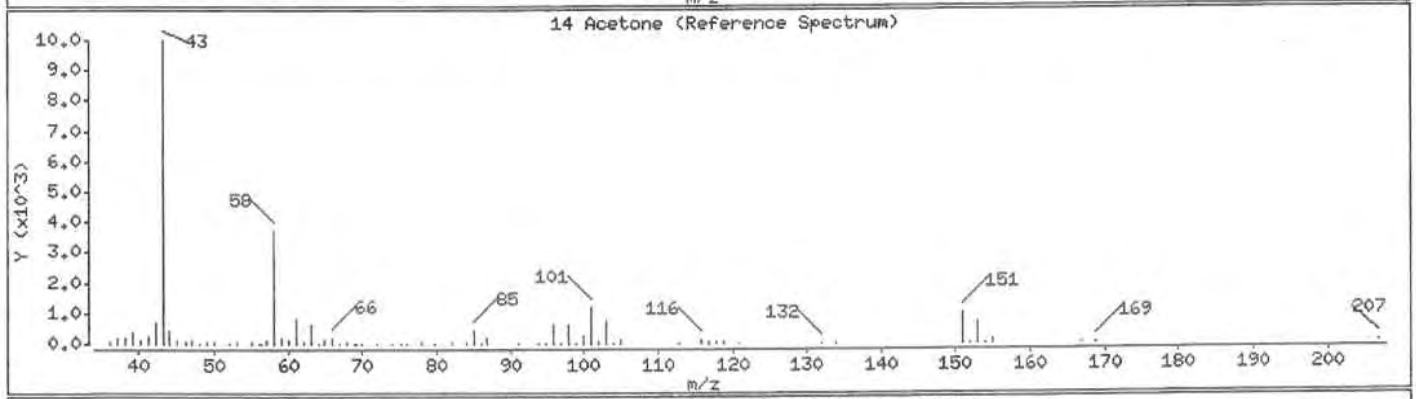
Column diameter: 0.18

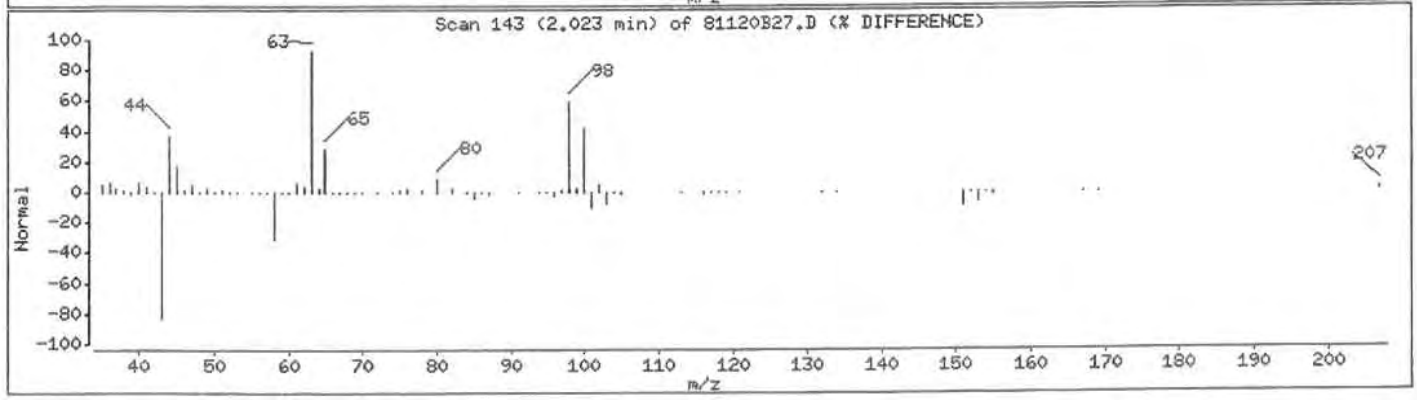
14 Acetone

Concentration: 15.3980 ug/L









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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

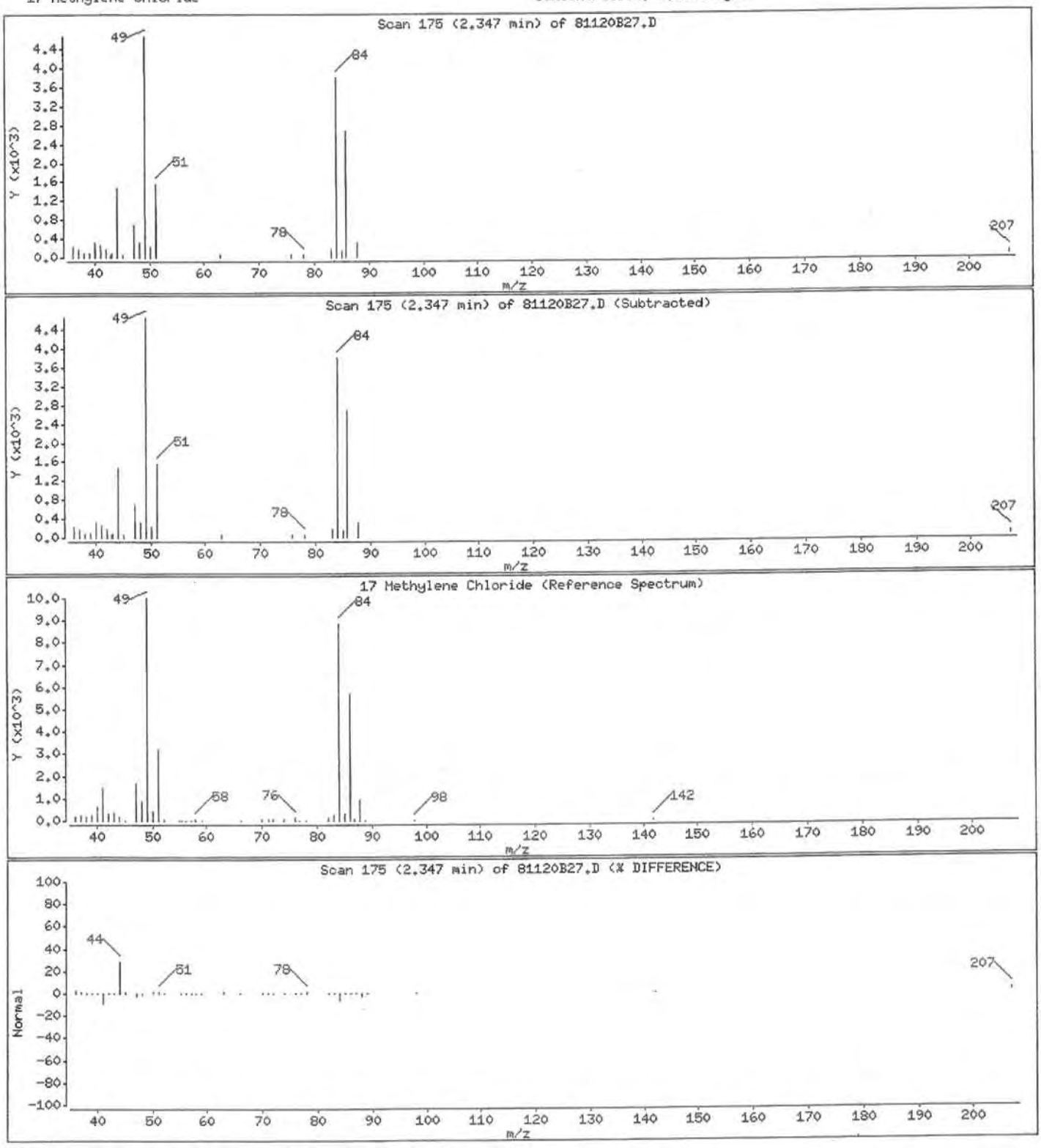
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 7.8879 ug/L



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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

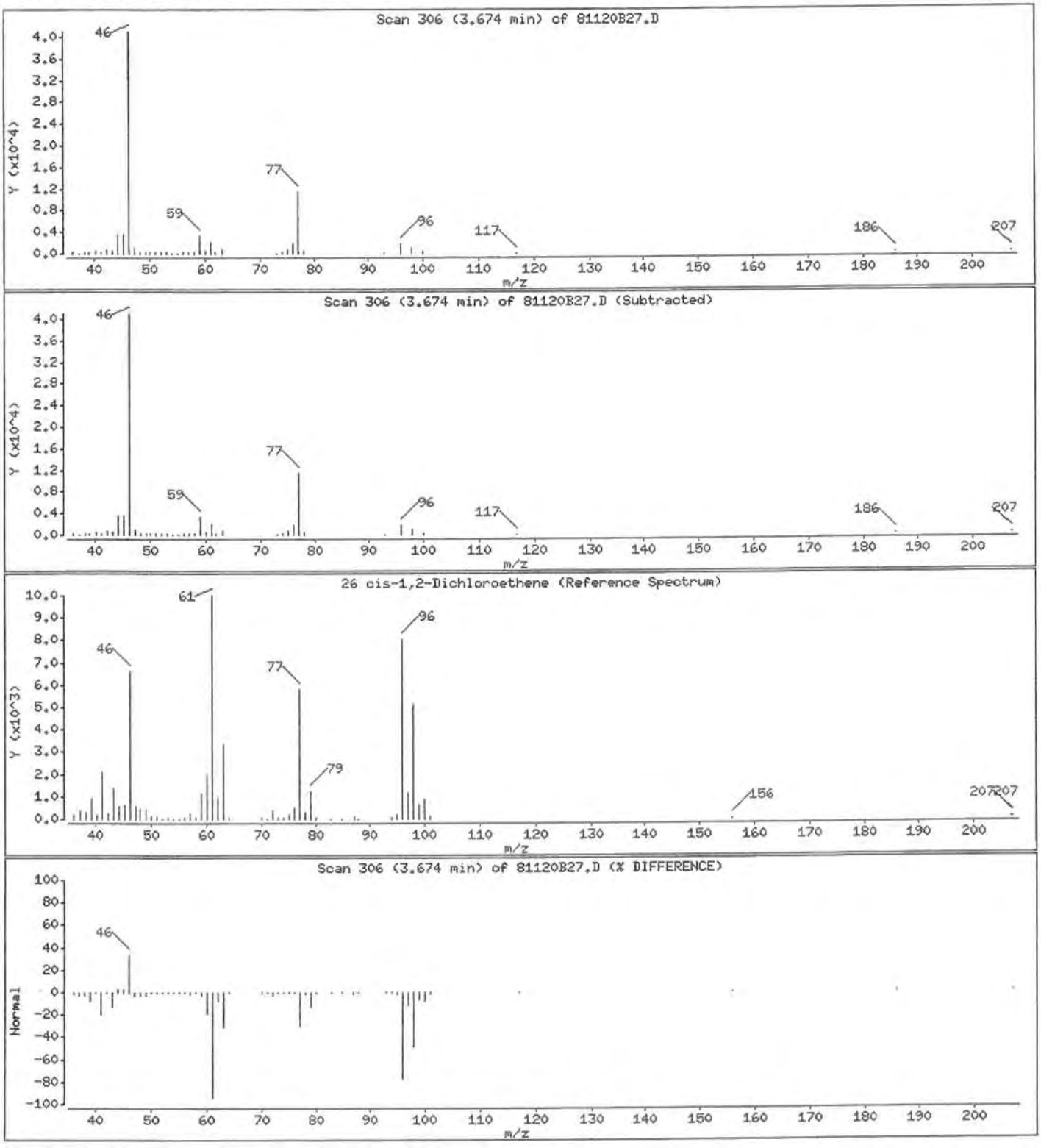
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

26 cis-1,2-Dichloroethene

Concentration: 3.6511 ug/L



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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

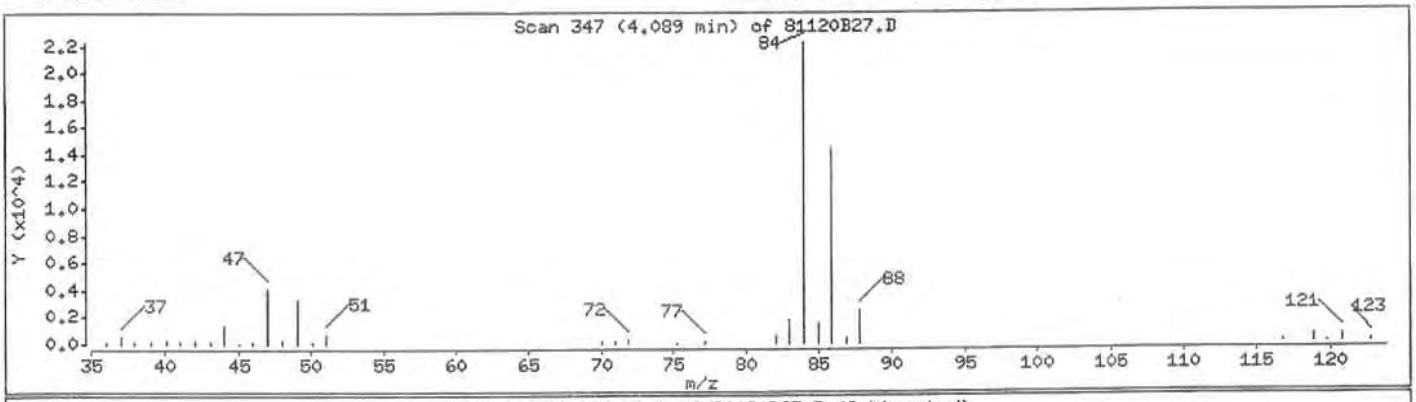
Operator: DLB

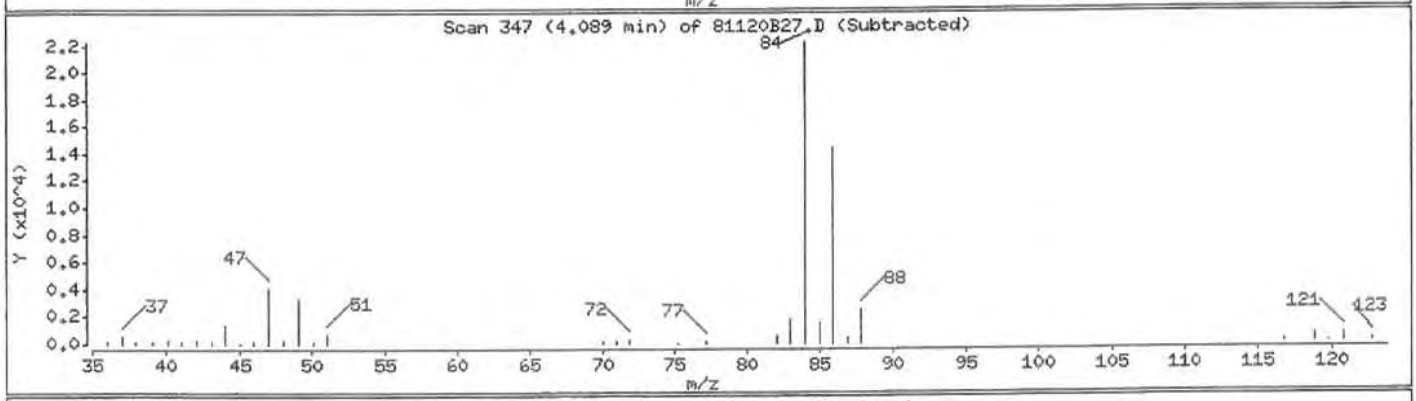
Column phase: DB-624

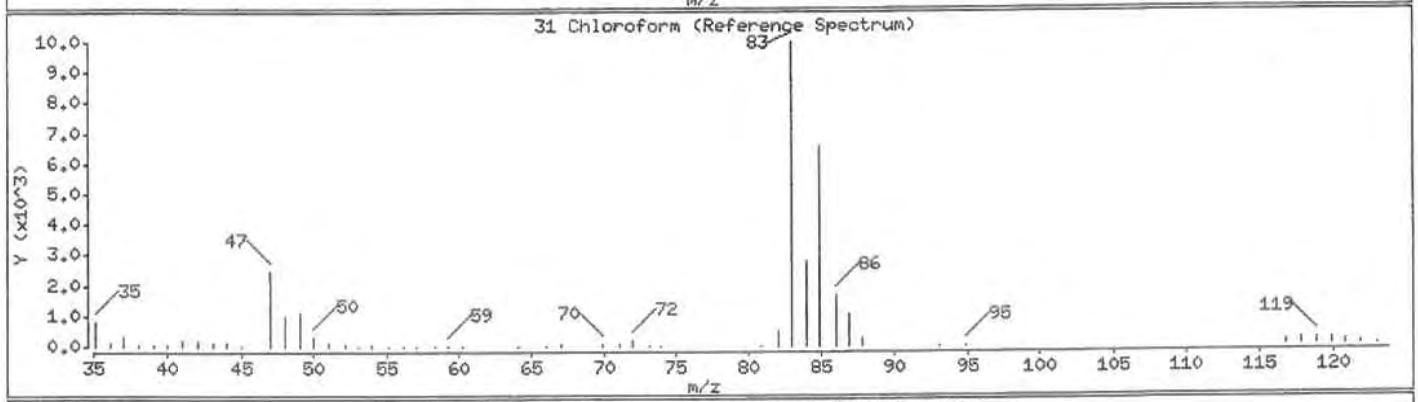
Column diameter: 0.18

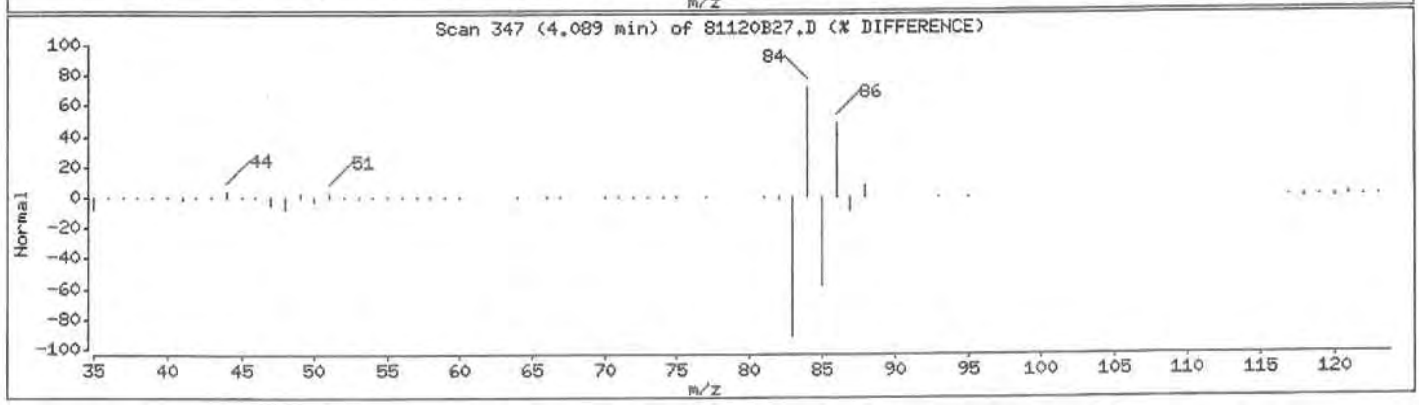
31 Chloroform

Concentration: 2.6208 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B27.D

Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

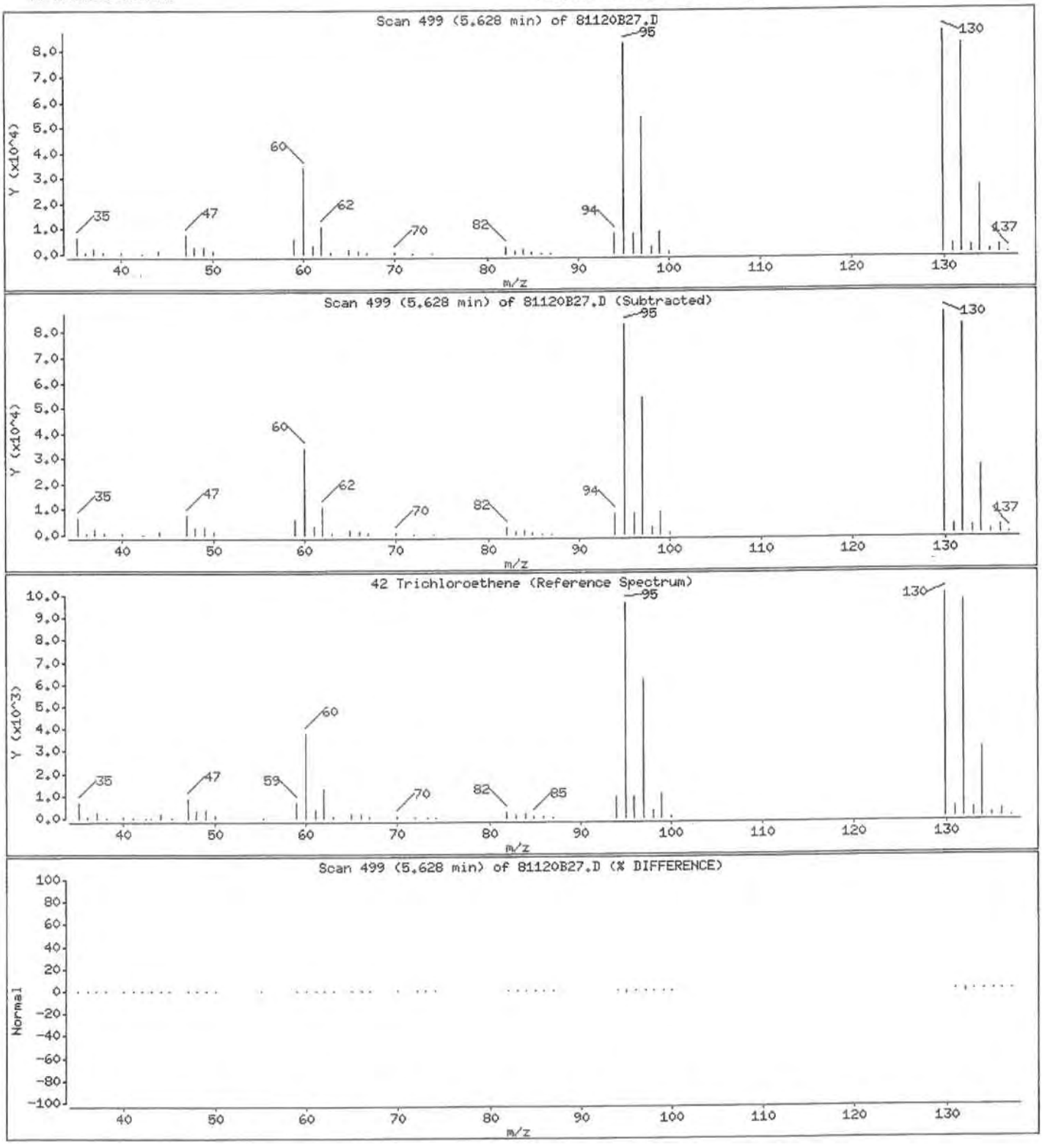
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

42 Trichloroethene

Concentration: 172.2472 ug/L



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Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007,b, IK15003-010, 20X

Purge Volume: 25.0

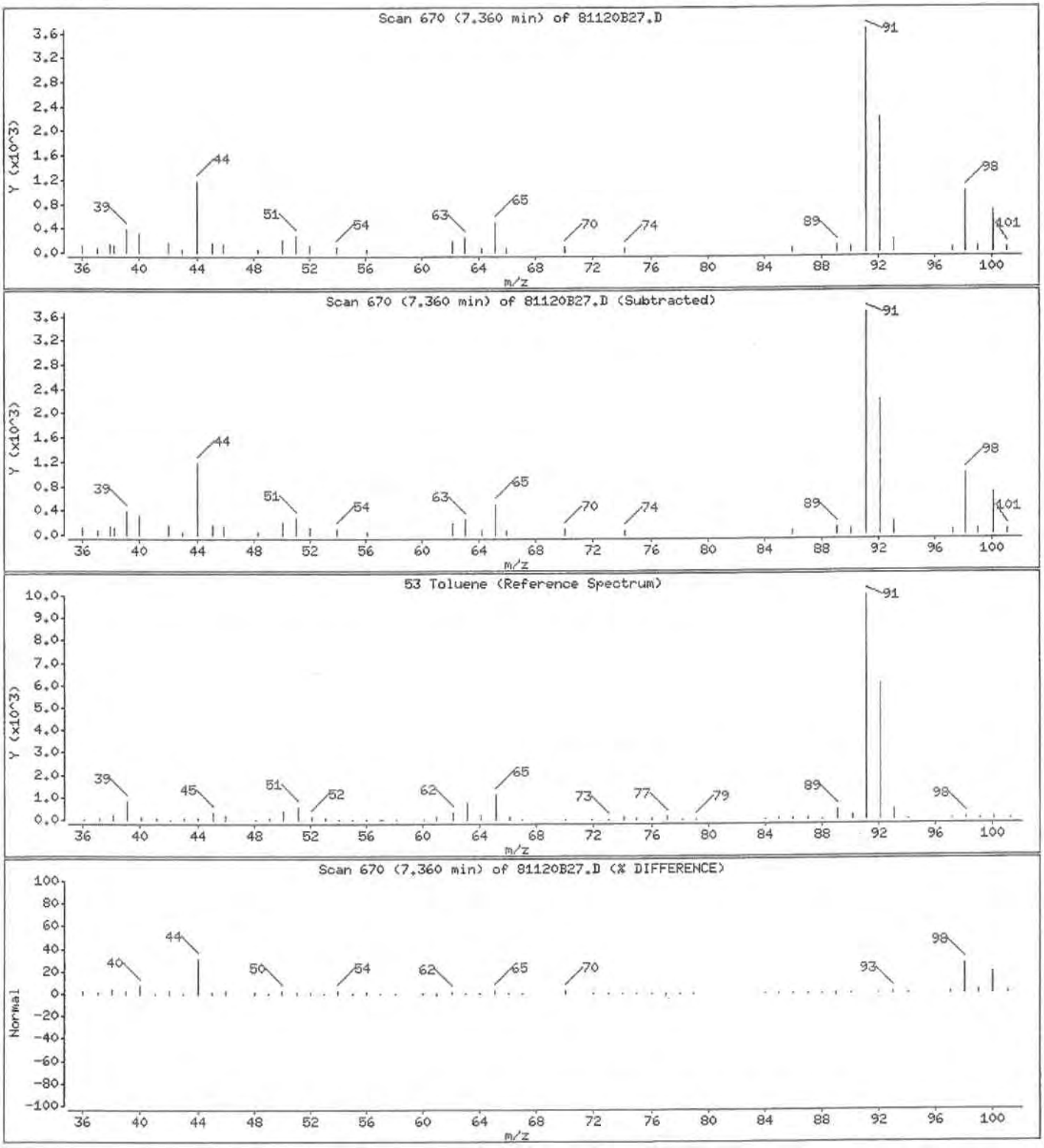
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 1.8226 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B27.D

Date : 20-NOV-2007 17:45

Client ID: Y3QQ0DL

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-010, 20X

Purge Volume: 25.0

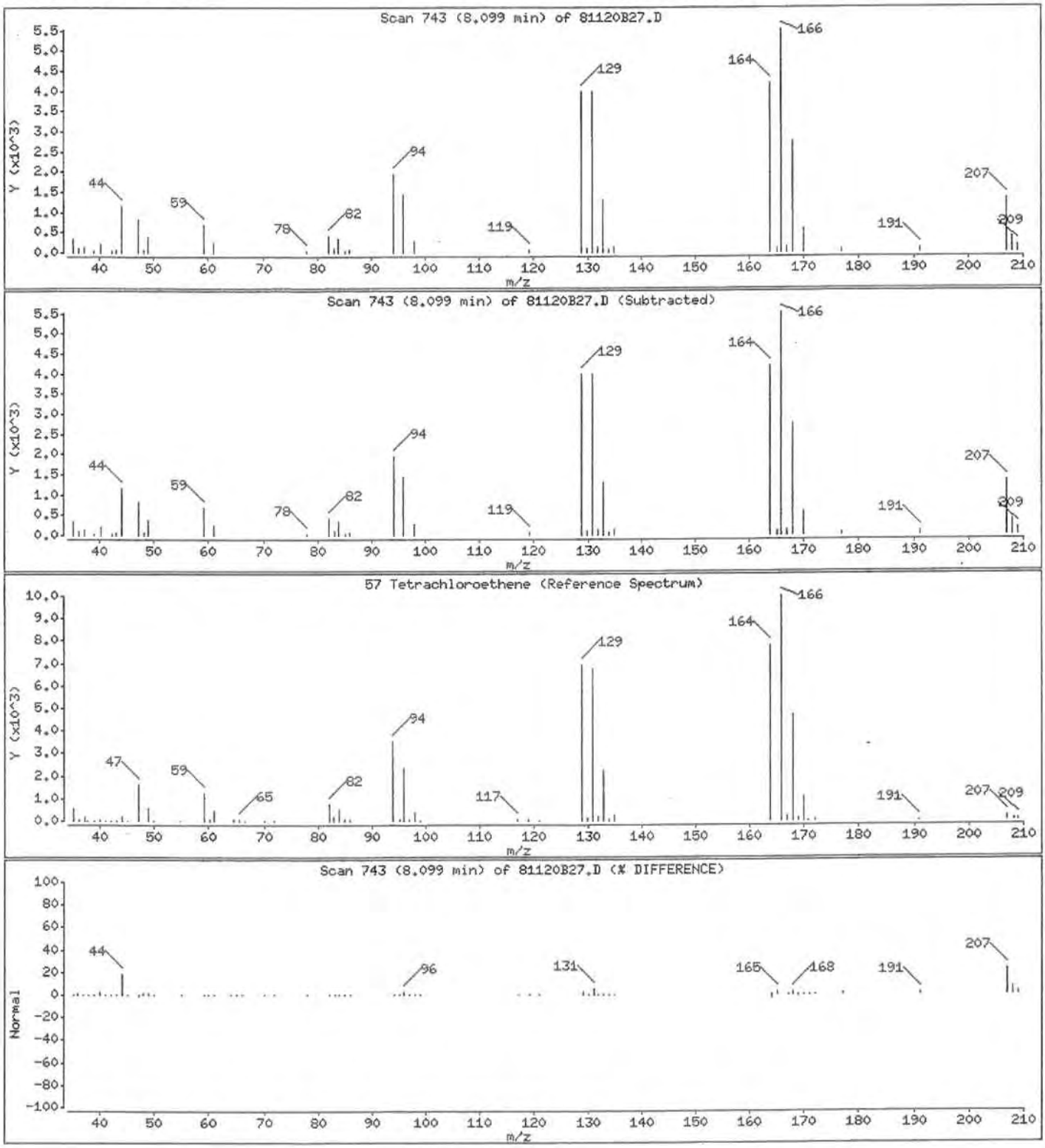
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

57 Tetrachloroethene

Concentration: 11.6141 ug/L



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

EPA SAMPLE NO.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.083	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	63	B
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.27	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	0.11	JB
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.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.29	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.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	17	

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

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

EPA SAMPLE NO.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.60	NJ
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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B25.D
Lab Smp Id: IK15003-011 Client Smp ID: Y3QQ1
Inj Date : 20-NOV-2007 17:02
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-011
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 22
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)	CONCENTRATIONS 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)	66143	8.39248	8.3924(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	75091	7.83968	7.8396(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)	185110	5.27700	5.2769(R)
	13 1,1-Dichloroethene	96	1.972	1.982	(0.371)	1526	0.08264	0.0826(aQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	2.023	2.023	(0.381)	308749	62.6435	62.6435
	15 Carbon Disulfide	76	Compound Not Detected.					
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.347	2.347	(0.442)	7097	0.26923	0.2692(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	3.633	(0.684)	508054	59.4646	59.4646
	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)	212047	5.81266	5.8126
	31 Chloroform	83	4.088	4.088	(0.769)	3589	0.10577	0.1057(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	110215	5.87835	5.8783
$	36	Benzene-d6	84	4.726	4.716	(0.511)	484527	5.91197	5.9119
	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)	406986	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	143326	5.29683	5.2968
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.144	6.144	(1.156)	29838	292.354	292.3544
	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)	220702	4.97685	4.9768
	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)	408855	5.74816	5.7481
	53	Toluene	91	7.359	7.359	(0.795)	24234	0.29471	0.2947(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	8.281	(0.895)	478930	58.1148	58.1147
	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)	372156	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)	125934	5.47990	5.4799
	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)	207432	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	170496	5.78179	5.7817
	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	2.458	2.458	(0.463)	37715	16.5452	16.5451

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\8nov2007.b\81120B25.D
Lab Smp Id: IK15003-011 Client Smp ID: Y3QQ1
Inj Date : 20-NOV-2007 17:02
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-011
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

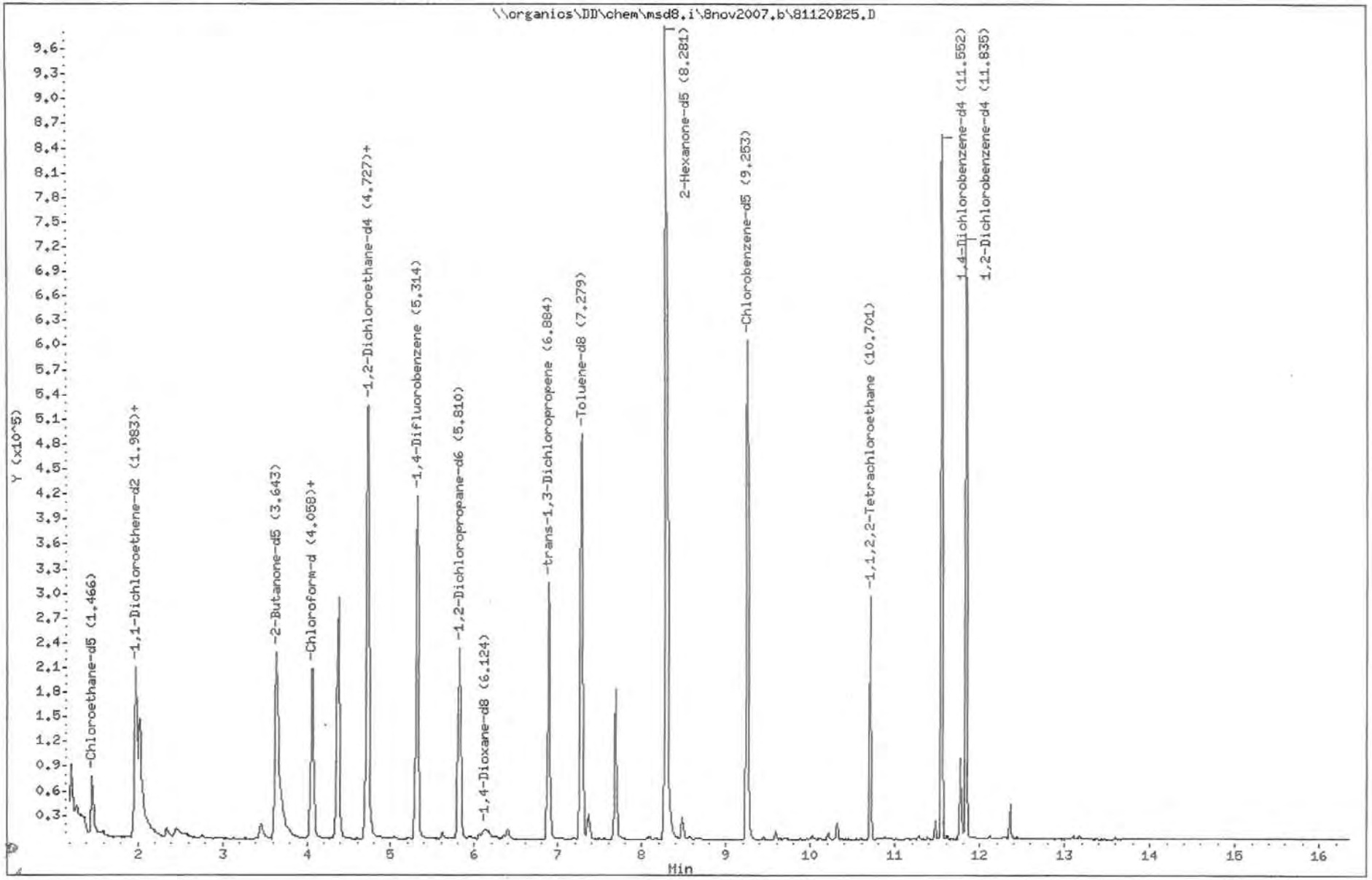
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 85 1,4-Dichlorobenzene-d4	11.552	1151758	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
1-Hexanol, 2-ethyl-			CAS #: 104-76-7				
11.775	138489	0.60120856	0.6012	86	NIST02.L	13219	85

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B25.D
Date : 20-NOV-2007 17:02
Client ID: Y3QQ1
Sample Info: 8nov2007.b, IK15003-011
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B25.D

Date : 20-NOV-2007 17:02

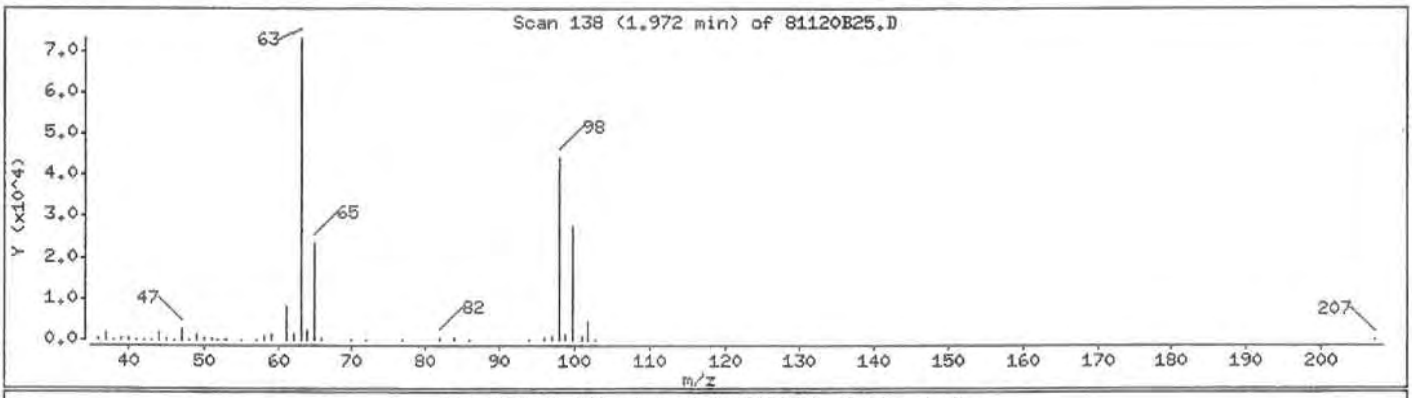
Client ID: Y3QQ1 Instrument: msd8.i

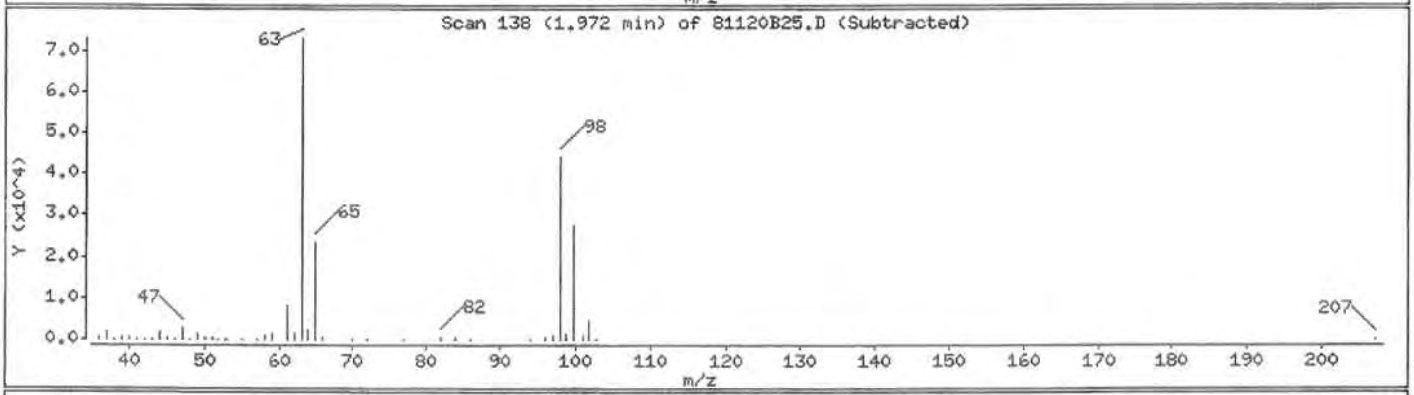
Sample Info: 8nov2007.b, IK15003-011

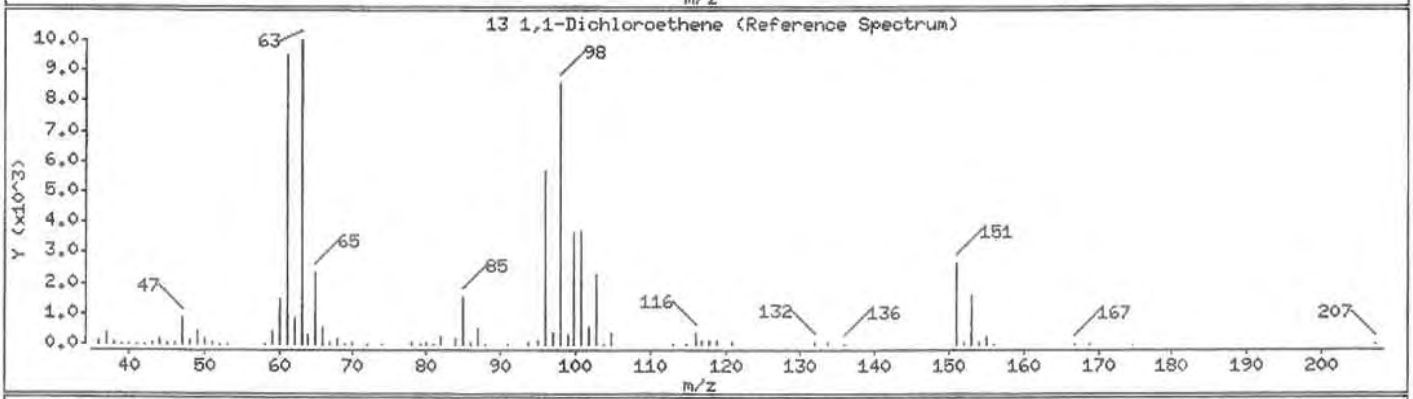
Purge Volume: 25.0 Operator: DLB

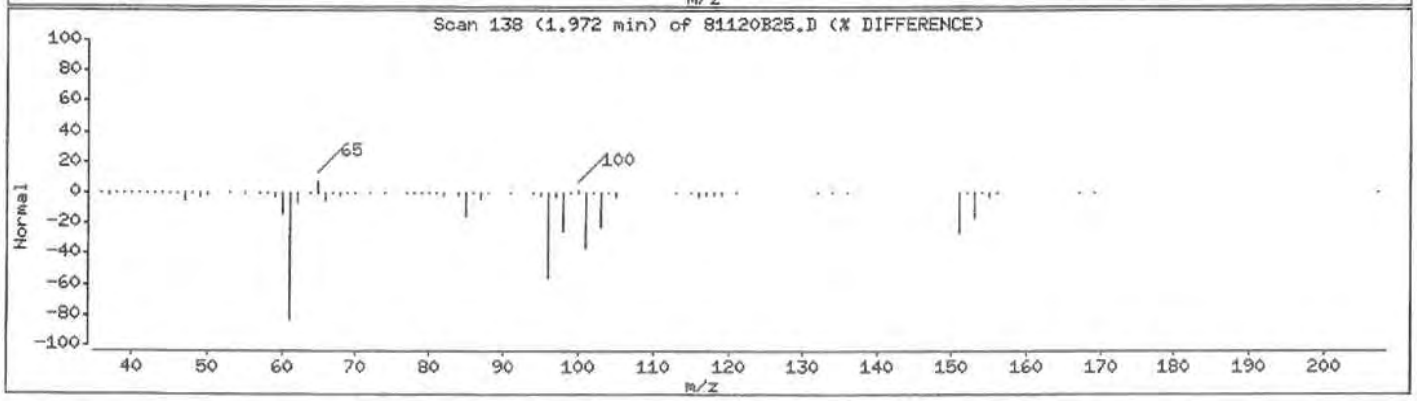
Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0826 ug/L









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Date : 20-NOV-2007 17:02

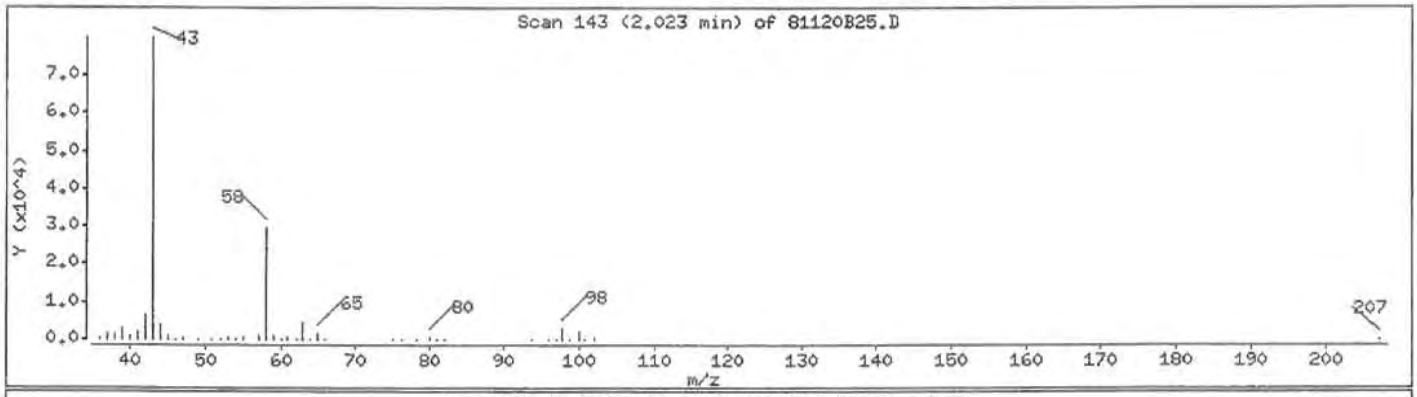
Client ID: Y3QQ1 Instrument: msd8.i

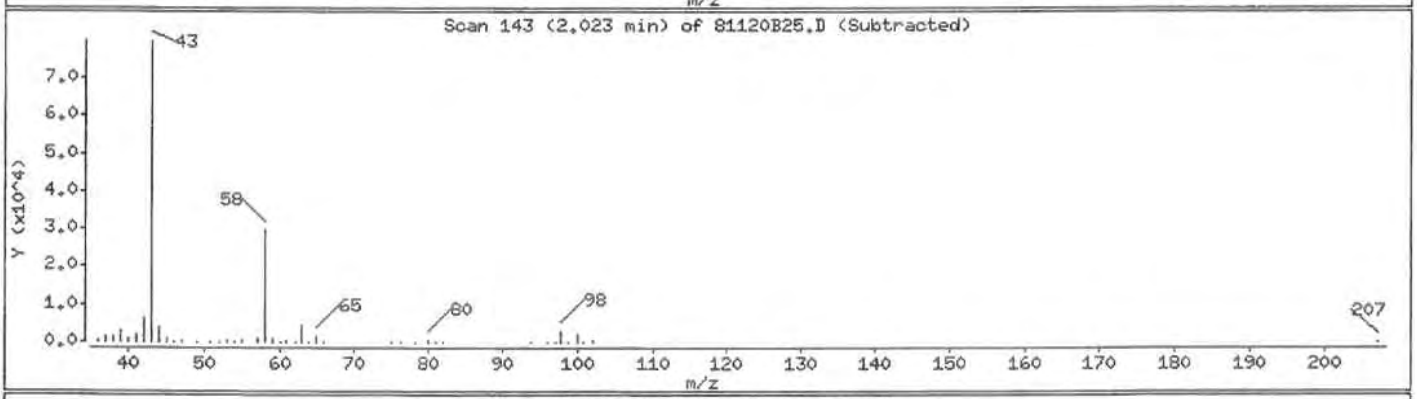
Sample Info: 8nov2007.b, IK15003-011

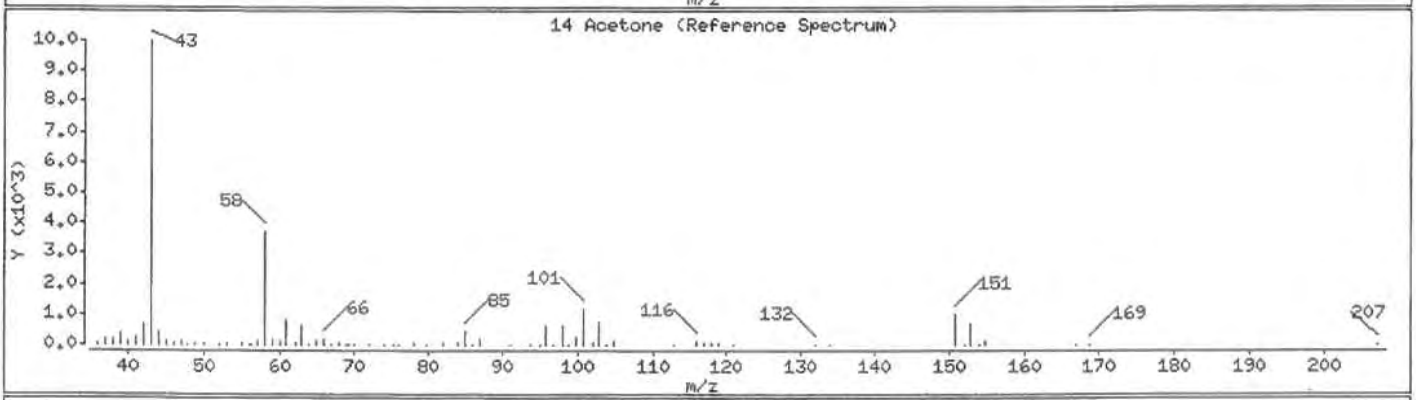
Purge Volume: 25.0 Operator: DLB

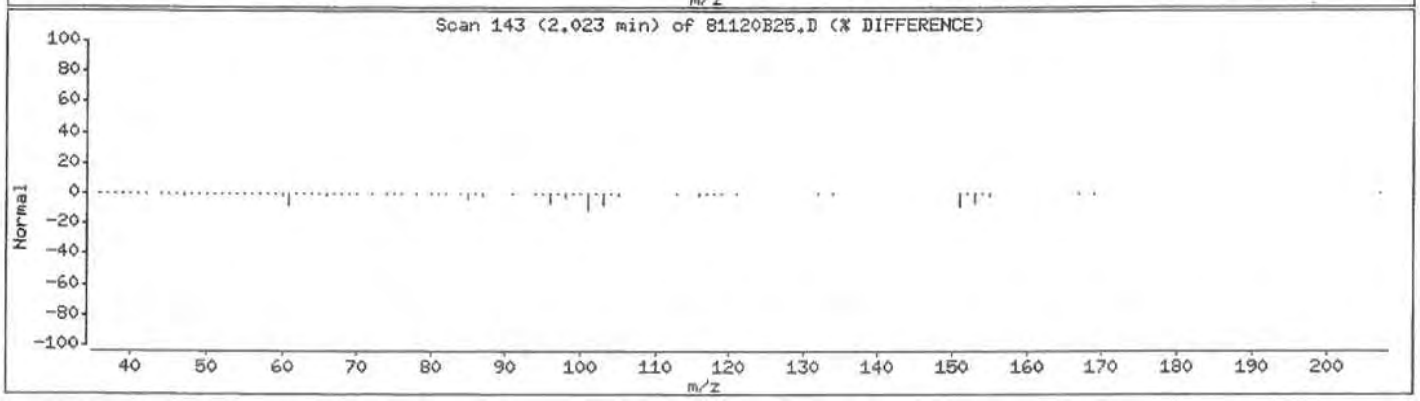
Column phase: DB-624 Column diameter: 0.18

14 Acetone Concentration: 62.6435 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B25.D

Date : 20-NOV-2007 17:02

Client ID: Y3QQ1

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-011

Purge Volume: 25.0

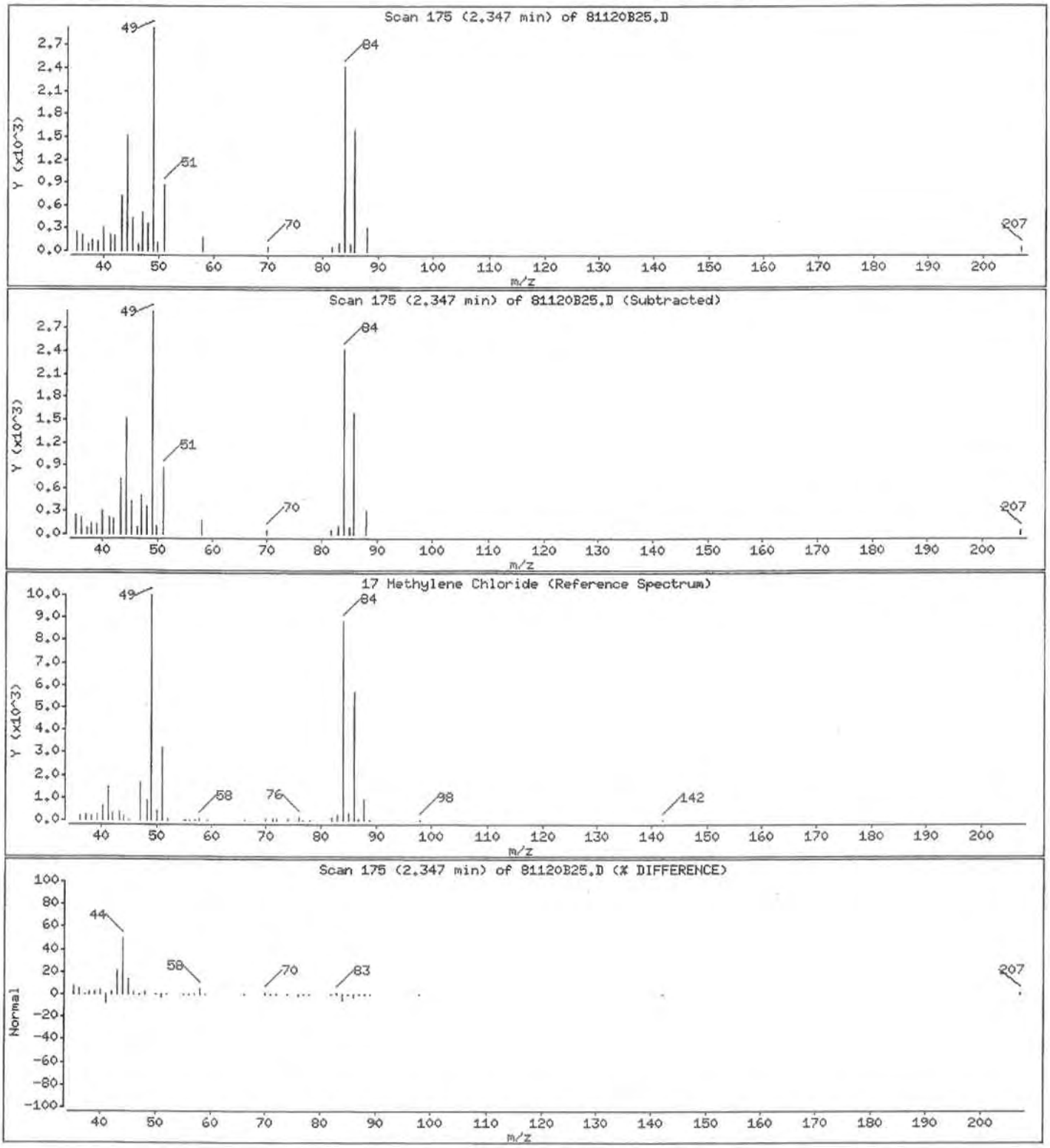
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.2692 ug/L



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Date : 20-NOV-2007 17:02

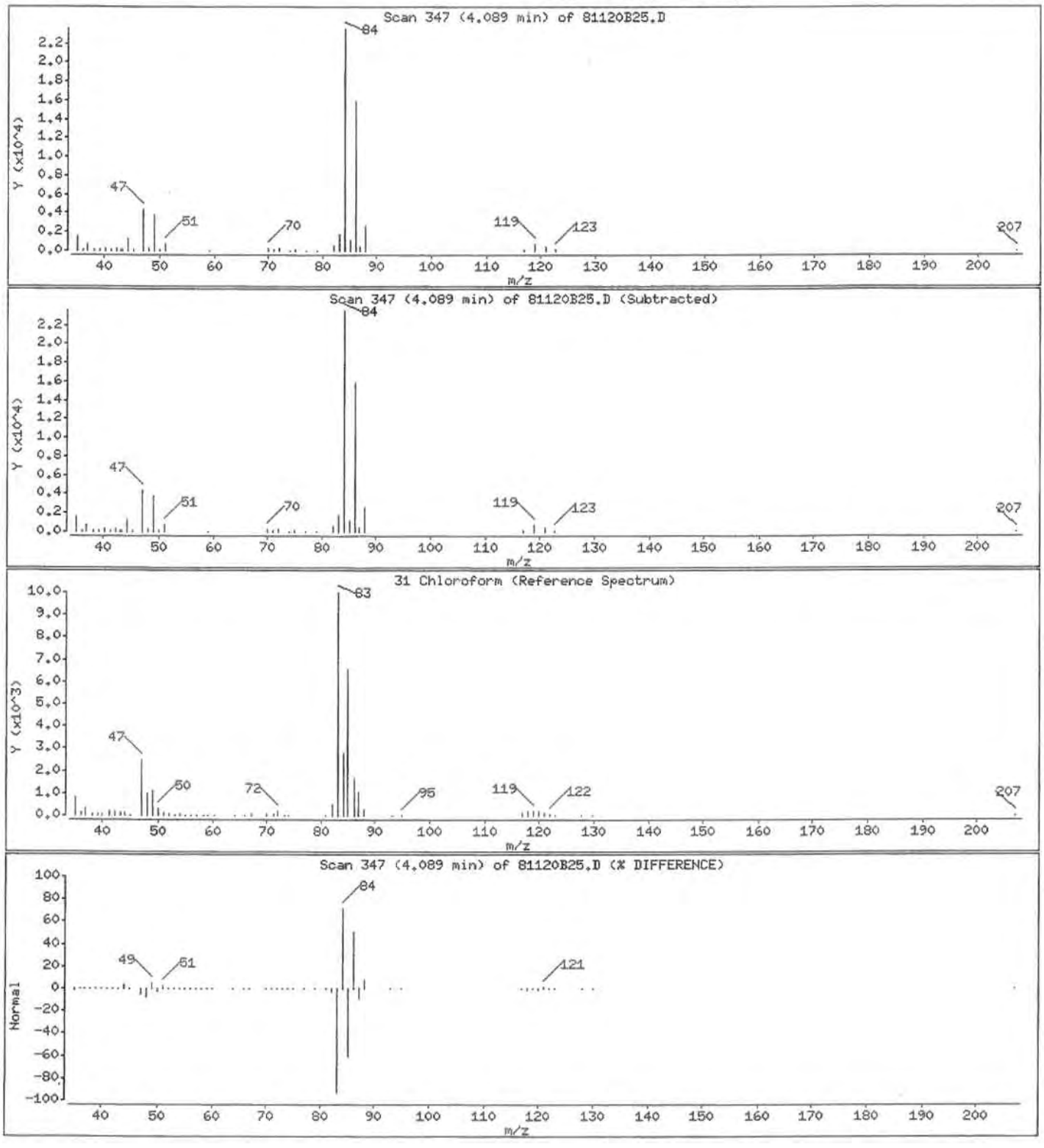
Client ID: Y3QQ1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-011

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1057 ug/L



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Date : 20-NOV-2007 17:02

Client ID: Y3QQ1

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-011

Purge Volume: 25.0

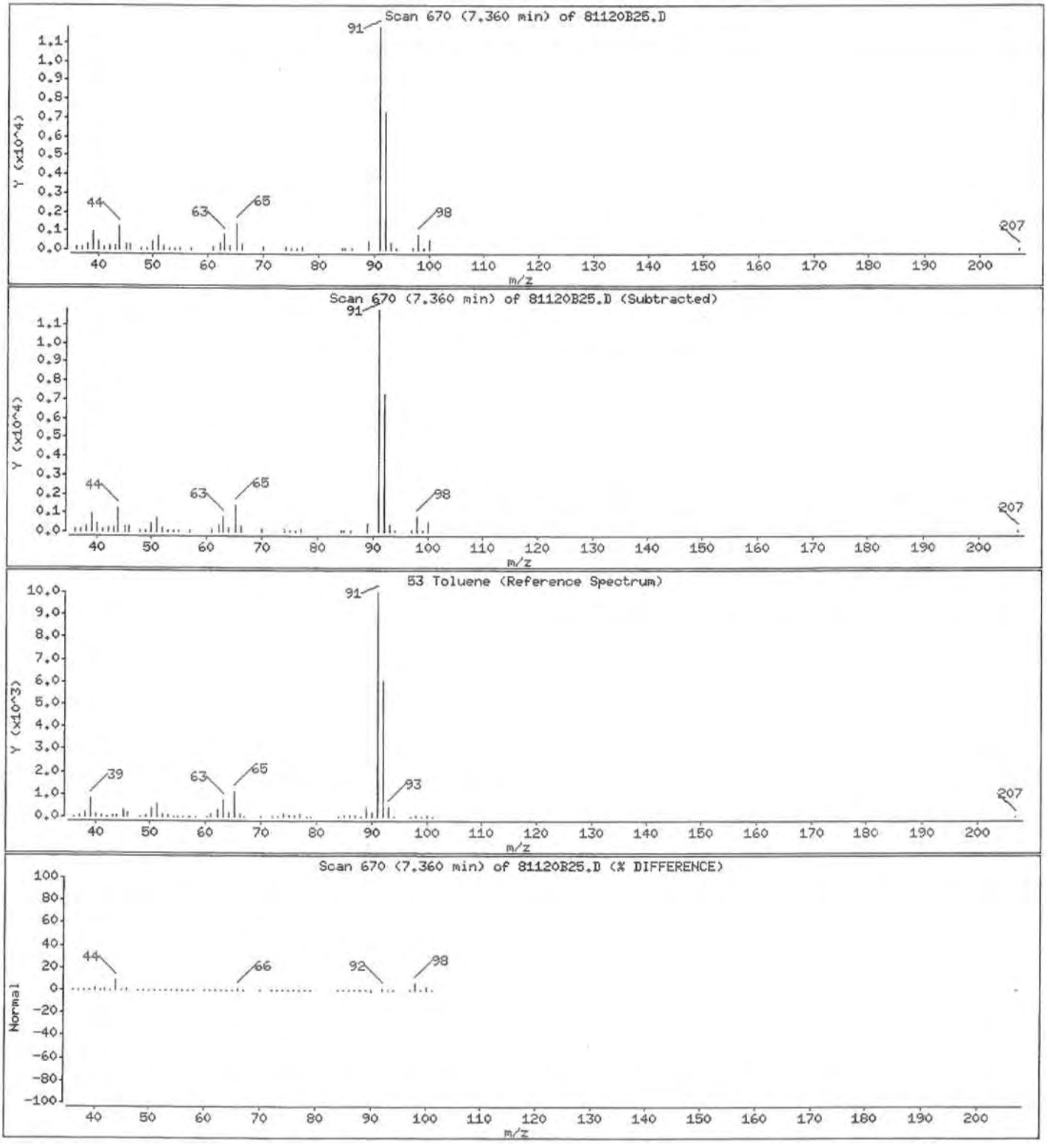
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

53 Toluene

Concentration: 0.2947 ug/L



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Date : 20-NOV-2007 17:02

Client ID: Y3QQ1

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-011

Purge Volume: 25.0

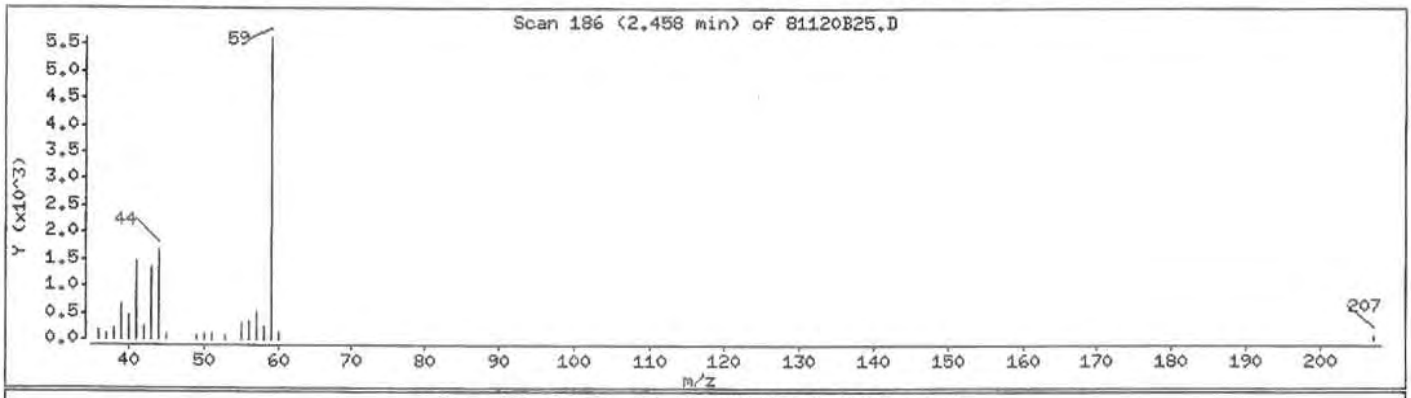
Operator: DLB

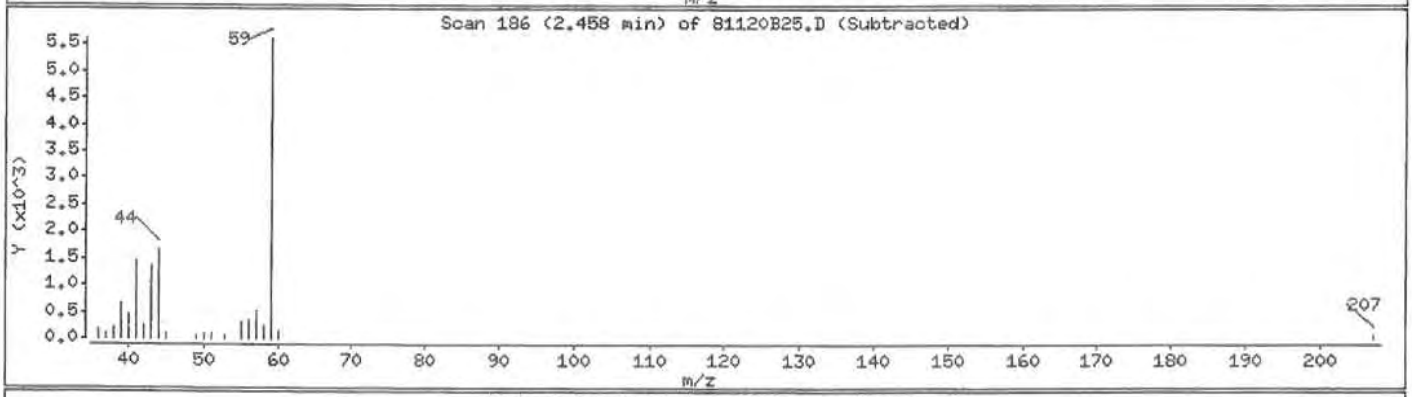
Column phase: DB-624

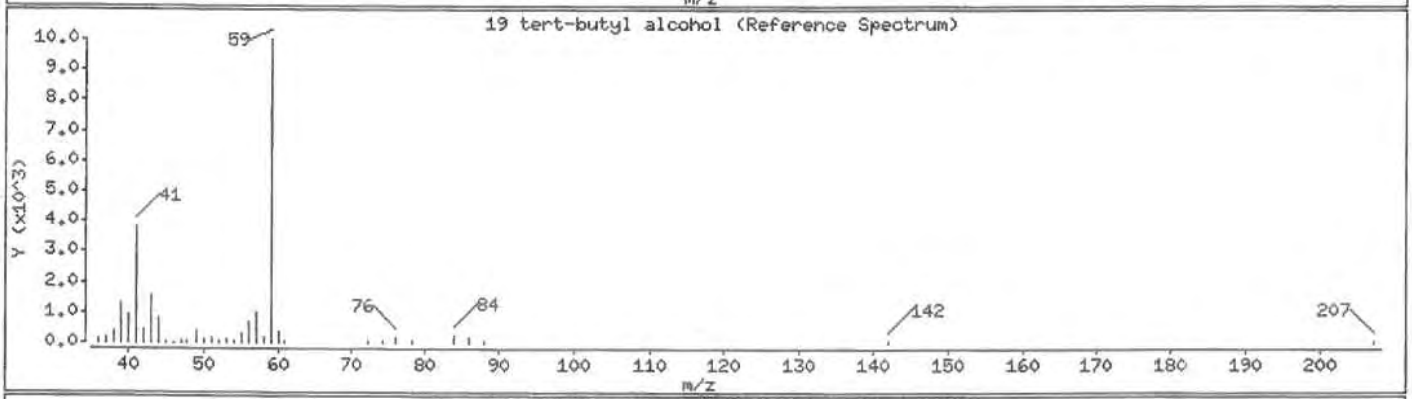
Column diameter: 0.18

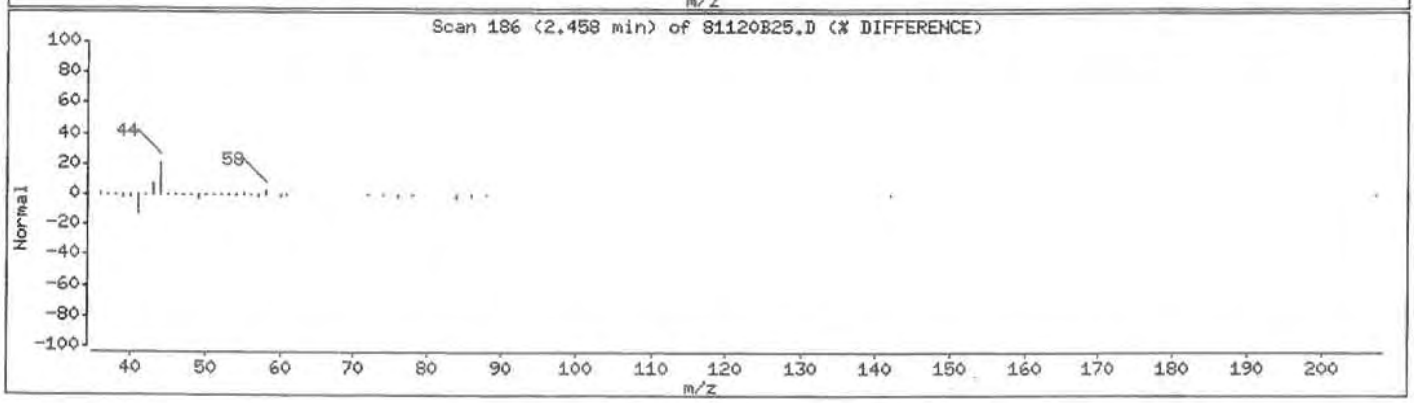
19 tert-butyl alcohol

Concentration: 16.5451 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B25.D

Date : 20-NOV-2007 17:02

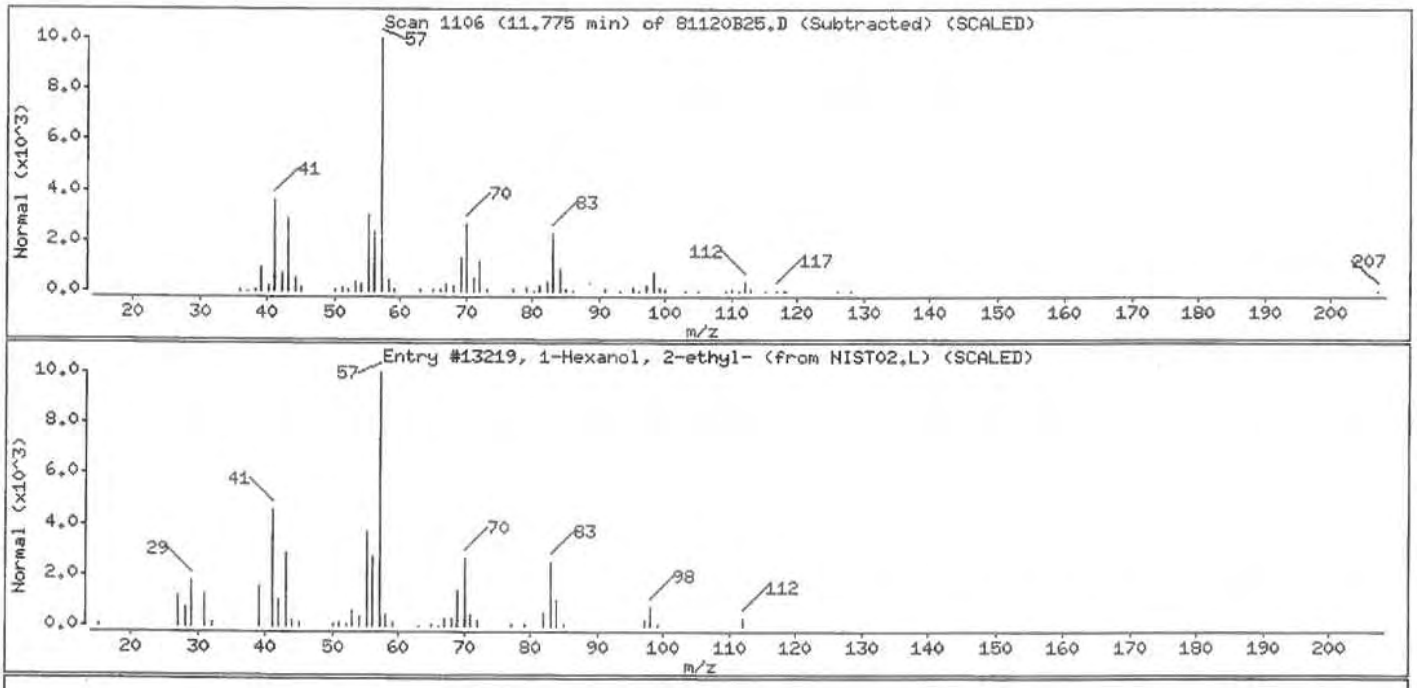
Client ID: Y3QQ1 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-011

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
1-Hexanol, 2-ethyl-	104-76-7	NIST02.L	13219	86	C8H18O	130



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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05

RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.1366	0.1416	0.1753	0.1519	0.1897	0.1590	14.3
Chloromethane	0.3613	0.3621	0.2574	0.2578	0.2959	0.3069	17.1
Vinyl chloride	0.2840	0.3161	0.2640	0.2564	0.3014	0.2844	8.8
Bromomethane	0.2086	0.2304	0.1736	0.1520	0.1898	0.1909	15.9
Chloroethane	0.1865	0.1907	0.1387	0.1077	0.1558	0.1559	22.1
Trichlorofluoromethane	0.1581	0.1787	0.2417	0.2209	0.2862	0.2171	23.4
1,1-Dichloroethene	0.2373	0.2459	0.2063	0.2019	0.2429	0.2269	9.3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1573	0.1876	0.1670	0.2263	0.2414	0.1959	18.7
Acetone	0.0659	0.0666	0.0511	0.0633	0.0559	0.0606	11.2
Carbon Disulfide	0.7257	0.7794	0.6754	0.6695	0.8011	0.7302	8.1
Methyl acetate	0.2146	0.2146	0.1494	0.1601	0.2286	0.1935	18.6
Methylene chloride	0.4324	0.3918	0.2590	0.2544	0.2817	0.3239	25.5
trans-1,2-Dichloroethene	0.2688	0.2842	0.2124	0.2175	0.2421	0.2450	12.8
Methyl tert-butyl ether	0.7955	0.8189	0.6194	0.6266	0.7024	0.7126	13.0
1,1-Dichloroethane	0.4672	0.5007	0.3743	0.3733	0.4172	0.4265	13.3
cis-1,2-Dichloroethene	0.2943	0.3201	0.2340	0.2371	0.2606	0.2692	13.9
2-Butanone	0.1100	0.1133	0.0917	0.1149	0.1133	0.1086	8.9
Bromochloromethane	0.1466	0.1477	0.1119	0.1113	0.1221	0.1279	14.1
Chloroform	0.4772	0.4891	0.3562	0.3644	0.3975	0.4169	15.0
1,1,1-Trichloroethane	0.2973	0.3272	0.2743	0.2770	0.3098	0.2971	7.5
Cyclohexane	0.4126	0.3748	0.3789	0.3355	0.3998	0.3803	7.7
Carbon tetrachloride	0.0684	0.0745	0.0732	0.0741	0.0879	0.0756	9.6
Benzene	1.2461	1.3181	0.9511	0.9708	1.0397	1.1051	15.1
1,2-Dichloroethane	0.3118	0.3217	0.2387	0.2418	0.2753	0.2779	13.8
Trichloroethene	0.3019	0.3232	0.2369	0.2442	0.2552	0.2723	14.0
Methylcyclohexane	0.4120	0.4163	0.4338	0.4008	0.4661	0.4258	6.0

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

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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05
RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.3095	0.3303	0.2409	0.2413	0.2623	0.2769	14.8
Bromodichloromethane	0.3391	0.3511	0.2673	0.2786	0.3101	0.3092	11.8
cis-1,3-Dichloropropene	0.4089	0.4616	0.3624	0.3785	0.4198	0.4062	9.5
4-Methyl-2-pentanone	0.2343	0.2550	0.2091	0.2694	0.2705	0.2477	10.5
Toluene	1.2179	1.2975	0.9618	0.9888	1.0579	1.1048	13.3
trans-1,3-Dichloropropene	0.3580	0.3981	0.3221	0.3373	0.3803	0.3592	8.6
1,1,2-Trichloroethane	0.2476	0.2623	0.1956	0.1963	0.2123	0.2228	13.7
Tetrachloroethene	0.2134	0.2200	0.1815	0.1834	0.2019	0.2000	8.7
2-Hexanone	0.1799	0.1963	0.1600	0.2044	0.2044	0.1890	10.1
Dibromochloromethane	0.2321	0.2532	0.2006	0.2094	0.2379	0.2266	9.4
1,2-Dibromoethane	0.2481	0.2643	0.1969	0.1981	0.2191	0.2253	13.4
Chlorobenzene	0.8816	0.9090	0.6656	0.6703	0.7176	0.7688	15.3
Ethylbenzene	1.2357	1.3510	1.0517	1.0859	1.1854	1.1819	10.2
o-Xylene	0.4896	0.5390	0.4213	0.4326	0.4759	0.4717	10.0
m,p-Xylene	0.4789	0.5414	0.4208	0.4410	0.4781	0.4720	9.8
Styrene	0.7622	0.8744	0.7066	0.7362	0.8083	0.7775	8.5
Bromoform	0.2179	0.2467	0.2108	0.2175	0.2566	0.2299	8.8
Isopropylbenzene	1.1510	1.2882	1.0525	1.0882	1.1835	1.1527	7.9
1,1,2,2-Tetrachloroethane	0.3233	0.3462	0.2658	0.2631	0.3088	0.3015	12.0
1,3-Dichlorobenzene	1.2653	1.3551	1.0090	0.9694	1.0409	1.1280	15.2
1,4-Dichlorobenzene	1.3690	1.4290	1.0452	1.0190	1.0872	1.1899	16.3
1,2-Dichlorobenzene	1.2363	1.3112	0.9847	0.9588	1.0380	1.1058	14.3
1,2-Dibromo-3-chloropropane	0.0907	0.0956	0.0785	0.0799	0.0910	0.0871	8.6
1,2,4-Trichlorobenzene	0.8893	1.0085	0.7765	0.7622	0.8344	0.8542	11.7
1,2,3-Trichlorobenzene	0.8593	0.9288	0.7173	0.6996	0.7301	0.7870	12.9

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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05
RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Vinyl Chloride-d3	0.1069	0.1065	0.0846	0.0902	0.0960	0.0968	10.1
Chloroethane-d5	0.1302	0.1557	0.1010	0.0843	0.1172	0.1177	23.3
1,1-Dichloroethene-d2	0.4346	0.4690	0.3988	0.3872	0.4652	0.4310	8.7
2-Butanone-d5	0.1033	0.1096	0.0886	0.1124	0.1111	0.1050	9.3
Chloroform-d	0.4878	0.5195	0.3968	0.3957	0.4410	0.4482	12.3
1,2-Dichloroethane-d4	0.2748	0.2599	0.1961	0.1966	0.2243	0.2303	15.6
Benzene-d6	1.2611	1.2996	0.9479	0.9638	1.0332	1.1011	15.2
1,2-Dichloropropane-d6	0.4144	0.4250	0.3150	0.3178	0.3455	0.3635	14.5
Toluene-d8	1.0535	1.1222	0.8355	0.8550	0.9119	0.9556	13.2
trans-1,3-Dichloropropene-d4	0.6127	0.6734	0.5305	0.5538	0.6086	0.5958	9.4
2-Hexanone-d5	0.0989	0.1096	0.0951	0.1234	0.1267	0.1107	12.8
1,1,2,2-Tetrachloroethane-d2	0.3317	0.3524	0.2737	0.2701	0.3159	0.3088	11.7
1,2-Dichlorobenzene-d4	0.8157	0.8380	0.6310	0.6108	0.6585	0.7108	15.1
tertiary butyl alcohol	0.0348	0.0382	0.0271	0.0244	0.0155	0.0280	31.9

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

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A02.D
Lab Smp Id: VSTD020 Client Smp ID: VSTD02019
Inj Date : 19-NOV-2007 07:04
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD020
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 07:04 Cal File: 81119A02.D
Als bottle: 2 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

36975
COPY
ORIGINAL DOCUMENTS INCLUDED IN CSF F21A2
Signature
11/21/07
Date

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)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.061	1.060	(0.200)	319431	20.0000	23.8630 (A)
	2 Chloromethane	50	1.152	1.152	(0.217)	498112	20.0000	19.2805
$	3 Vinyl Chloride-d3	65	1.233	1.222	(0.232)	161574	20.0000	19.8237
	4 Vinyl Chloride	62	1.233	1.222	(0.232)	507416	20.0000	21.1968 (A)
	5 Bromomethane	94	1.425	1.425	(0.268)	319568	20.0000	19.8889
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	197259	20.0000	19.9138
	7 Chloroethane	64	1.486	1.486	(0.280)	262364	20.0000	19.9921
	8 Trichlorofluoromethane	101	1.658	1.617	(0.312)	481843	20.0000	26.3633 (A)
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	783124	20.0000	21.5871 (A)
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	408929	20.0000	21.4124 (A)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	406400	20.0000	24.6401 (A)
	14 Acetone	43	2.012	2.022	(0.379)	940994	200.000	184.6143
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	1348681	20.0000	21.9405 (A)
	16 Methyl Acetate	43	2.255	2.265	(0.425)	384853	20.0000	23.6315 (A)
	17 Methylene Chloride	84	2.347	2.346	(0.442)	474208	20.0000	17.3948
	20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	1182552	20.0000	19.7148
	21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	407636	20.0000	19.7642
	23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	702450	20.0000	19.5636
$	25 2-Butanone-d5	46	3.633	3.643	(0.684)	1869747	200.000	211.6115 (A)
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	438727	20.0000	19.3588
	28 2-Butanone	43	3.704	3.714	(0.697)	1908188	200.000	208.6402 (A)
	29 Bromochloromethane	128	3.977	3.977	(0.748)	205609	20.0000	19.0917
$	30 Chloroform-d	84	4.058	4.068	(0.764)	742476	20.0000	19.6803
	31 Chloroform	83	4.088	4.088	(0.769)	669278	20.0000	19.0714

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
	33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	480951	20.0000	20.8541	(A)
	32 Cyclohexane	56	4.352	4.362	(0.470)	620705	20.0000	21.0253	(A)
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	136496	20.0000	23.2502	(A)
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	377690	20.0000	19.4786	
$	36 Benzene-d6	84	4.716	4.716	(0.510)	1603863	20.0000	18.7656	
	37 Benzene	78	4.767	4.767	(0.515)	1613954	20.0000	18.8149	
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	463558	20.0000	19.8174	
*	41 1,4-Difluorobenzene	114	5.314	5.313	(1.000)	420893	5.00000		
	42 Trichloroethene	95	5.628	5.627	(0.608)	396195	20.0000	18.7475	
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	536345	20.0000	19.0071	
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	723640	20.0000	21.8946	(A)
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	407163	20.0000	18.9467	
$	46 1,4-Dioxane-d8	96	6.093	6.144	(1.147)	50191	800.000	475.5252	
	47 1,4-Dioxane	88	6.164	6.205	(1.160)	82946	800.000	486.8862	
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	481359	20.0000	20.0543	(A)
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	944726	20.0000	20.4284	(A)
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	651674	20.0000	20.6667	(A)
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	4199640	200.000	218.4567	(A)
$	52 Toluene-d8	98	7.278	7.278	(0.787)	1415616	20.0000	19.0847	
	53 Toluene	91	7.359	7.359	(0.795)	1642300	20.0000	19.1514	
	55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	590443	20.0000	21.1787	(A)
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	329533	20.0000	19.0551	
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	313400	20.0000	20.1847	(A)
$	58 2-Hexanone-d5	63	8.291	8.291	(0.896)	1966189	200.000	228.7816	(A)
	60 2-Hexanone	43	8.351	8.351	(0.903)	3172605	200.000	216.2861	(A)
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	369340	20.0000	20.9947	(A)
	62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	340106	20.0000	19.4485	
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	388100	5.00000		
	64 Chlorobenzene	112	9.283	9.283	(1.003)	1114009	20.0000	18.6677	
	65 Ethylbenzene	91	9.445	9.445	(1.021)	1840156	20.0000	20.0579	(A)
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	742191	20.0000	20.2570	(A)
	68 o-Xylene	106	10.032	10.032	(1.084)	738794	20.0000	20.1794	(A)
	69 Styrene	104	10.053	10.053	(1.086)	1254728	20.0000	20.7903	(A)
	70 Bromoform	173	10.225	10.225	(0.885)	236880	20.0000	22.3215	(A)
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	1837301	20.0000	20.5348	(A)
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	490435	20.0000	20.4641	(A)
	74 1,1,2,2-Tetrachloroethane	83	10.731	10.721	(1.160)	479452	20.0000	20.4906	(A)
	83 1,3-Dichlorobenzene	146	11.491	11.490	(0.995)	961040	20.0000	18.4567	
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	230815	5.00000		(Q)
	86 1,4-Dichlorobenzene	146	11.572	11.561	(1.002)	1003758	20.0000	18.2739	
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	607973	20.0000	18.5286	
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	958367	20.0000	18.7743	
	90 1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	83986	20.0000	20.8783	(A)
	91 1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	770348	20.0000	19.5361	
	94 1,2,3-Trichlorobenzene	180	13.334	13.333	(1.154)	674040	20.0000	18.5531	
	19 tert-butyl alcohol	59	2.448	2.458	(0.461)	261786	200.000	111.0481	

QC Flag Legend

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

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A02.D

Date : 19-NOV-2007 07:04

Client ID: VSTD02019

Instrument: msd8.i

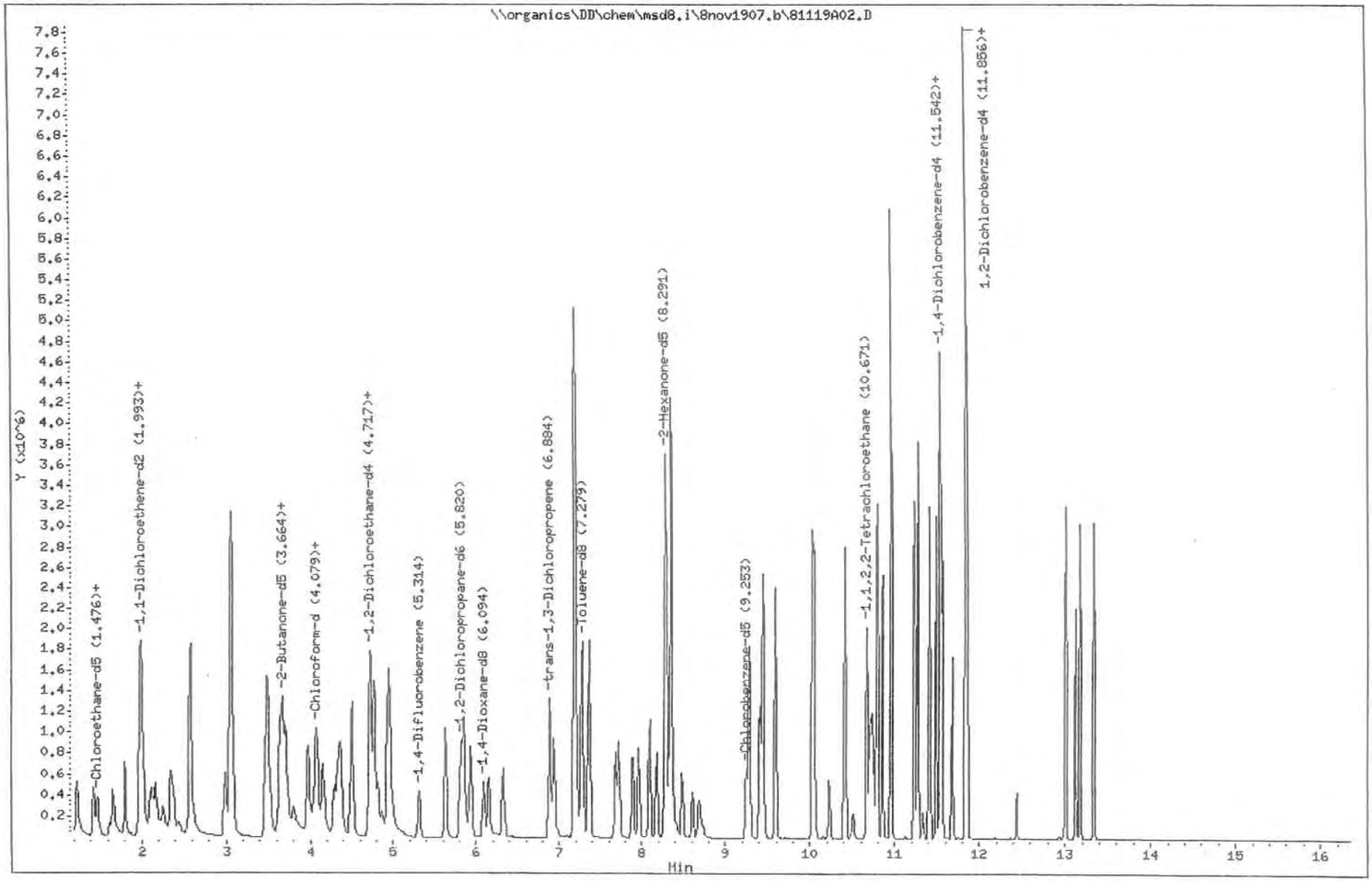
Sample Info: 8nov1907.b, VSTD020

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A03.D
Lab Smp Id: VSTD010 Client Smp ID: VSTD01019
Inj Date : 19-NOV-2007 07:26
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD010
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 07:26 Cal File: 81119A03.D
Als bottle: 3 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	1.060	1.060	(0.200)	136413	10.0000	9.5549
	2 Chloromethane	50	1.152	1.152	(0.217)	231446	10.0000	8.3997
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	80993	10.0000	9.3172
	4 Vinyl Chloride	62	1.233	1.222	(0.232)	230211	10.0000	9.0169
	5 Bromomethane	94	1.425	1.425	(0.268)	136477	10.0000	7.9640
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	75706	10.0000	7.1659
	7 Chloroethane	64	1.476	1.486	(0.278)	96673	10.0000	6.9069
	8 Trichlorofluoromethane	101	1.658	1.617	(0.312)	198367	10.0000	10.1762
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	347643	10.0000	8.9851
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	181301	10.0000	8.9011
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	203172	10.0000	11.5499
	14 Acetone	43	2.022	2.022	(0.381)	568373	100.000	104.5531
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	601115	10.0000	9.1689
	16 Methyl Acetate	43	2.265	2.265	(0.426)	143736	10.0000	8.2753
	17 Methylene Chloride	84	2.346	2.346	(0.442)	228404	10.0000	7.8556
	20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	562584	10.0000	8.7939
	21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	195260	10.0000	8.8765
	23 1,1-Dichloroethane	63	2.984	2.984	(0.562)	335145	10.0000	8.7517
$	25 2-Butanone-d5	46	3.632	3.643	(0.684)	1008988	100.000	107.0699
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	212906	10.0000	8.8084
	28 2-Butanone	43	3.713	3.714	(0.699)	1031720	100.000	105.7702
	29 Bromochloromethane	128	3.977	3.977	(0.748)	99921	10.0000	8.6993
$	30 Chloroform-d	84	4.058	4.068	(0.764)	355242	10.0000	8.8287
	31 Chloroform	83	4.088	4.088	(0.769)	327179	10.0000	8.7415

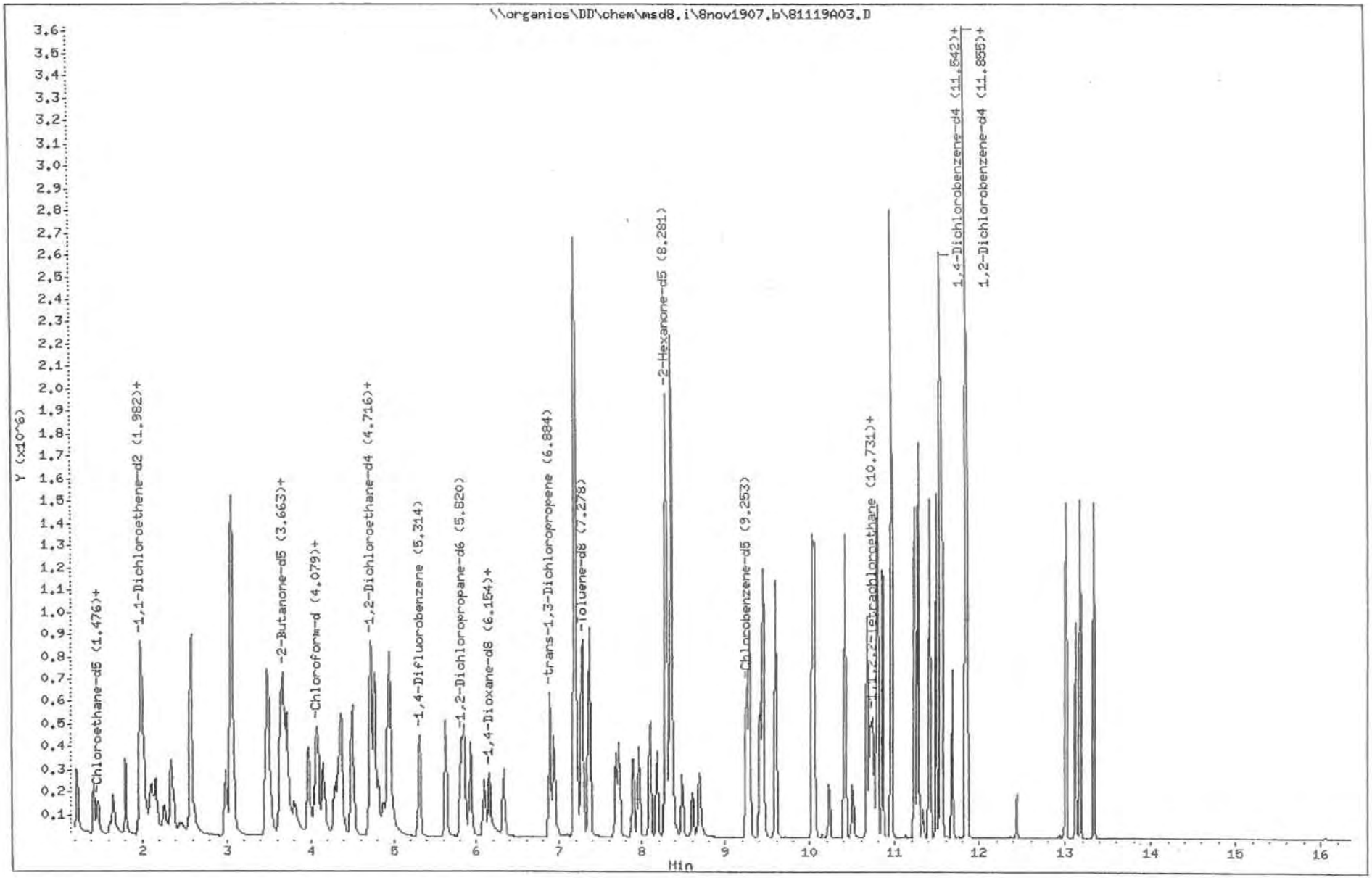
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
	33	1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	224568	10.0000	9.3224	
	32	Cyclohexane	56	4.341	4.362	(0.469)	272038	10.0000	8.8222	
	34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	60087	10.0000	9.7989	
$	38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	176528	10.0000	8.5361	
$	36	Benzene-d6	84	4.716	4.716	(0.510)	781414	10.0000	8.7531	
	37	Benzene	78	4.767	4.767	(0.515)	787058	10.0000	8.7843	
	39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	217120	10.0000	8.7030	
*	41	1,4-Difluorobenzene	114	5.313	5.313	(1.000)	448897	5.00000		
	42	Trichloroethene	95	5.627	5.627	(0.608)	197949	10.0000	8.9676	
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	257675	10.0000	8.7424	
	43	Methylcyclohexane	83	5.850	5.850	(0.632)	324954	10.0000	9.4129	
	45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	195624	10.0000	8.7152	
$	46	1,4-Dioxane-d8	96	6.124	6.144	(1.152)	55722	400.000	494.9934	
	47	1,4-Dioxane	88	6.184	6.205	(1.164)	89715	400.000	493.7670	
	49	Bromodichloromethane	83	6.326	6.326	(0.684)	225859	10.0000	9.0088	
$	54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	449003	10.0000	9.2954	
	50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	306862	10.0000	9.3169	
	51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	2183858	100.000	108.7596	
$	52	Toluene-d8	98	7.278	7.278	(0.787)	693184	10.0000	8.9470	
	53	Toluene	91	7.359	7.359	(0.795)	801677	10.0000	8.9503	
	55	trans-1,3-Dichloropropene	75	7.723	7.724	(0.835)	273436	10.0000	9.3900	
	56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	159125	10.0000	8.8093	
	57	Tetrachloroethene	164	8.098	8.098	(0.875)	148684	10.0000	9.1680	
$	58	2-Hexanone-d5	63	8.280	8.291	(0.895)	1000333	100.000	111.4372	
	60	2-Hexanone	43	8.351	8.351	(0.903)	1656912	100.000	108.1438	
	61	Dibromochloromethane	129	8.483	8.483	(0.917)	169765	10.0000	9.2389	
	62	1,2-Dibromoethane	107	8.604	8.605	(0.930)	160582	10.0000	8.7914	
*	63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	405372	5.00000		
	64	Chlorobenzene	112	9.283	9.283	(1.003)	543464	10.0000	8.7189	
	65	Ethylbenzene	91	9.445	9.445	(1.021)	880415	10.0000	9.1877	
	67	m+p-Xylenes	106	9.597	9.597	(1.037)	357506	10.0000	9.3418	
	68	o-Xylene	106	10.032	10.032	(1.084)	350728	10.0000	9.1716	
	69	Styrene	104	10.053	10.053	(1.086)	596879	10.0000	9.4686	
	70	Bromoform	173	10.225	10.225	(0.885)	103702	10.0000	9.4626	
	71	Isopropylbenzene	105	10.417	10.417	(1.126)	882275	10.0000	9.4407	
$	72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	218954	10.0000	8.7469	
	74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	213331	10.0000	8.7287	
	83	1,3-Dichlorobenzene	146	11.490	11.490	(0.995)	462118	10.0000	8.5940	
*	85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	238360	5.00000		(Q)
	86	1,4-Dichlorobenzene	146	11.561	11.561	(1.001)	485770	10.0000	8.5637	
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	291181	10.0000	8.5931	
	89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	457092	10.0000	8.6709	
	90	1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	38109	10.0000	9.1737	
	91	1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	363362	10.0000	8.9232	
	94	1,2,3-Trichlorobenzene	180	13.333	13.333	(1.154)	333496	10.0000	8.8889	
	19	tert-butyl alcohol	59	2.458	2.458	(0.463)	218739	100.000	86.9993	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A03.D
Date : 19-NOV-2007 07:26
Client ID: VSTD01019
Sample Info: 8nov1907.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\8nov1907.b\81119A04.D
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Inj Date : 19-NOV-2007 07:48
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 07:48 Cal File: 81119A04.D
Als bottle: 4 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

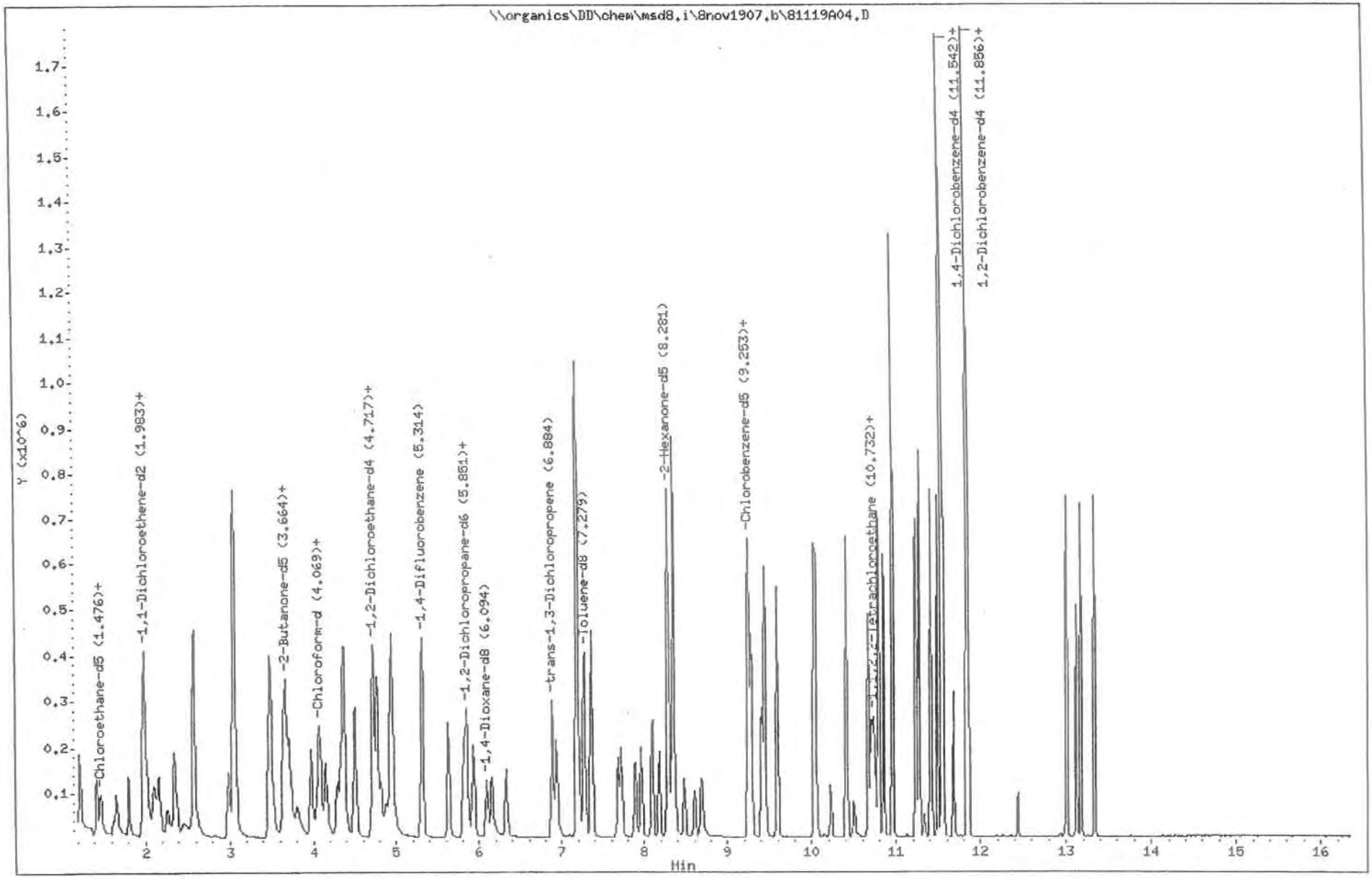
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	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)	77267	5.00000	5.5111
	2 Chloromethane	50	1.152	1.152	(0.217)	113487	5.00000	4.1941
$	3 Vinyl Chloride-d3	65	1.223	1.222	(0.230)	37309	5.00000	4.3704
	4 Vinyl Chloride	62	1.223	1.222	(0.230)	116371	5.00000	4.6414
	5 Bromomethane	94	1.425	1.425	(0.268)	76528	5.00000	4.5474
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	44502	5.00000	4.2894
	7 Chloroethane	64	1.476	1.486	(0.278)	61164	5.00000	4.4499
	8 Trichlorofluoromethane	101	1.658	1.617	(0.312)	106544	5.00000	5.5657
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	175815	5.00000	4.6272
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	90957	5.00000	4.5473
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	73624	5.00000	4.2619
	14 Acetone	43	2.023	2.022	(0.381)	225205	50.0000	42.1851
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	297733	5.00000	4.6245
	16 Methyl Acetate	43	2.266	2.265	(0.426)	65880	5.00000	3.8623
	17 Methylene Chloride	84	2.347	2.346	(0.442)	114193	5.00000	3.9994
	20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	273061	5.00000	4.3464
	21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	93649	5.00000	4.3352
	23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	164993	5.00000	4.3873
$	25 2-Butanone-d5	46	3.633	3.643	(0.684)	390419	50.0000	42.1880
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	103134	5.00000	4.3450
	28 2-Butanone	43	3.714	3.714	(0.699)	404255	50.0000	42.2021
	29 Bromochloromethane	128	3.977	3.977	(0.748)	49335	5.00000	4.3738
$	30 Chloroform-d	84	4.058	4.068	(0.764)	174928	5.00000	4.4270
	31 Chloroform	83	4.088	4.088	(0.769)	157001	5.00000	4.2715

	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)	110018	5.00000	4.6166
32	Cyclohexane	56	4.342	4.362	(0.469)	151931	5.00000	4.9804
34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	29348	5.00000	4.8378
$ 38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	86459	5.00000	4.2573
$ 36	Benzene-d6	84	4.716	4.716	(0.510)	380127	5.00000	4.3041
37	Benzene	78	4.767	4.767	(0.515)	381408	5.00000	4.3029
39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	105235	5.00000	4.2954
* 41	1,4-Difluorobenzene	114	5.314	5.313	(1.000)	440828	5.00000	
42	Trichloroethene	95	5.628	5.627	(0.608)	95000	5.00000	4.3503
$ 44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	126317	5.00000	4.3321
43	Methylcyclohexane	83	5.850	5.850	(0.632)	173963	5.00000	5.0937
45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	96613	5.00000	4.3508
$ 46	1,4-Dioxane-d8	96	6.124	6.144	(1.152)	22710	250.000	205.4316
47	1,4-Dioxane	88	6.185	6.205	(1.164)	36052	250.000	202.0523
49	Bromodichloromethane	83	6.326	6.326	(0.684)	107202	5.00000	4.3222
$ 54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	212747	5.00000	4.4520
50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	145335	5.00000	4.4604
51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	838549	50.0000	42.2133
$ 52	Toluene-d8	98	7.278	7.278	(0.787)	335068	5.00000	4.3716
53	Toluene	91	7.359	7.359	(0.795)	385704	5.00000	4.3528
55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	129172	5.00000	4.4839
56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	78435	5.00000	4.3892
57	Tetrachloroethene	164	8.098	8.098	(0.875)	72776	5.00000	4.5360
$ 58	2-Hexanone-d5	63	8.281	8.291	(0.895)	381437	50.0000	42.9523
60	2-Hexanone	43	8.352	8.351	(0.903)	641530	50.0000	42.3250
61	Dibromochloromethane	129	8.483	8.483	(0.917)	80461	5.00000	4.4262
62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	78969	5.00000	4.3701
* 63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	401029	5.00000	
64	Chlorobenzene	112	9.283	9.283	(1.003)	266910	5.00000	4.3284
65	Ethylbenzene	91	9.445	9.445	(1.021)	421756	5.00000	4.4489
67	m+p-Xylenes	106	9.597	9.597	(1.037)	168759	5.00000	4.4575
68	o-Xylene	106	10.033	10.032	(1.084)	168949	5.00000	4.4658
69	Styrene	104	10.053	10.053	(1.086)	283355	5.00000	4.5437
70	Bromoform	173	10.225	10.225	(0.885)	48495	5.00000	4.5846
71	Isopropylbenzene	105	10.417	10.417	(1.126)	422099	5.00000	4.5655
$ 72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	109754	5.00000	4.4319
74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	106594	5.00000	4.4087
83	1,3-Dichlorobenzene	146	11.491	11.490	(0.995)	232139	5.00000	4.4727
* 85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	230063	5.00000	
86	1,4-Dichlorobenzene	146	11.562	11.561	(1.001)	240468	5.00000	4.3921
$ 87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	145163	5.00000	4.4384
89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	226539	5.00000	4.4523
90	1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	18062	5.00000	4.5047
91	1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	178650	5.00000	4.5453
94	1,2,3-Trichlorobenzene	180	13.334	13.333	(1.154)	165019	5.00000	4.5570
19	tert-butyl alcohol	59	2.458	2.458	(0.463)	119617	50.0000	48.4462

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A04.D
Date : 19-NOV-2007 07:48
Client ID: VSTD00519
Sample Info: 8nov1907.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\8nov1907.b\81119A05.D
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Inj Date : 19-NOV-2007 08:10
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD001
Misc Info :
Comment :
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Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:10 Cal File: 81119A05.D
Als bottle: 5 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)	12601	1.00000	0.8901
	2 Chloromethane	50	1.152	1.152	(0.217)	32235	1.00000	1.1799
$	3 Vinyl Chloride-d3	65	1.212	1.222	(0.228)	9476	1.00000	1.0994
	4 Vinyl Chloride	62	1.223	1.222	(0.230)	28138	1.00000	1.1115
	5 Bromomethane	94	1.425	1.425	(0.268)	20506	1.00000	1.2068
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	13862	1.00000	1.3233
	7 Chloroethane	64	1.486	1.486	(0.280)	16980	1.00000	1.2235
	8 Trichlorofluoromethane	101	1.617	1.617	(0.304)	15904	1.00000	0.8228
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	41751	1.00000	1.0883
	13 1,1-Dichloroethene	96	1.982	1.992	(0.373)	21888	1.00000	1.0838
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	16702	1.00000	0.9576
	14 Acetone	43	2.023	2.022	(0.381)	59245	10.0000	10.9915
	15 Carbon Disulfide	76	2.154	2.164	(0.405)	69383	1.00000	1.0673
	16 Methyl Acetate	43	2.266	2.265	(0.426)	19099	1.00000	1.1090
	17 Methylene Chloride	84	2.347	2.346	(0.442)	34875	1.00000	1.2097
	20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	72895	1.00000	1.1492
	21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	25296	1.00000	1.1598
	23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	44570	1.00000	1.1738
$	25 2-Butanone-d5	46	3.633	3.643	(0.684)	97527	10.0000	10.4378
	26 cis-1,2-Dichloroethene	96	3.663	3.673	(0.689)	28494	1.00000	1.1889
	28 2-Butanone	43	3.714	3.714	(0.699)	100829	10.0000	10.4253
	29 Bromochloromethane	128	3.967	3.977	(0.747)	13151	1.00000	1.1547
$	30 Chloroform-d	84	4.058	4.068	(0.764)	46248	1.00000	1.1592
	31 Chloroform	83	4.088	4.088	(0.769)	43539	1.00000	1.1732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
33	1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	26297	1.00000	1.1012
32	Cyclohexane	56	4.341	4.362	(0.469)	30123	1.00000	0.9854 (Q)
34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	5991	1.00000	0.9856
$ 38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	23133	1.00000	1.1281
$ 36	Benzene-d6	84	4.716	4.716	(0.510)	104442	1.00000	1.1802
37	Benzene	78	4.767	4.767	(0.515)	105932	1.00000	1.1927
39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	28638	1.00000	1.1577
* 41	1,4-Difluorobenzene	114	5.314	5.313	(1.000)	445086	5.00000	
42	Trichloroethene	95	5.627	5.627	(0.608)	25972	1.00000	1.1869
$ 44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	34156	1.00000	1.1690
43	Methylcyclohexane	83	5.850	5.850	(0.632)	33459	1.00000	0.9777
45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	26546	1.00000	1.1930
$ 46	1,4-Dioxane-d8	96	6.144	6.144	(1.156)	4890	40.0000	43.8111 (Q)
47	1,4-Dioxane	88	6.215	6.205	(1.170)	8284	40.0000	45.9832
49	Bromodichloromethane	83	6.326	6.326	(0.684)	28219	1.00000	1.1354
$ 54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	54122	1.00000	1.1303
50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	37098	1.00000	1.1362
51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	204969	10.0000	10.2976
$ 52	Toluene-d8	98	7.268	7.278	(0.786)	90190	1.00000	1.1743
53	Toluene	91	7.359	7.359	(0.795)	104280	1.00000	1.1744
55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	31995	1.00000	1.1084
56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	21079	1.00000	1.1772
57	Tetrachloroethene	164	8.098	8.098	(0.875)	17681	1.00000	1.0998
$ 58	2-Hexanone-d5	63	8.281	8.291	(0.895)	88067	10.0000	9.8970
60	2-Hexanone	43	8.351	8.351	(0.903)	157769	10.0000	10.3879
61	Dibromochloromethane	129	8.483	8.483	(0.917)	20347	1.00000	1.1170
62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	21243	1.00000	1.1732
* 63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	401836	5.00000	
64	Chlorobenzene	112	9.283	9.283	(1.003)	73053	1.00000	1.1823
65	Ethylbenzene	91	9.445	9.445	(1.021)	108574	1.00000	1.1430
67	m+p-Xylenes	106	9.597	9.597	(1.037)	43510	1.00000	1.1469
68	o-Xylene	106	10.032	10.032	(1.084)	43314	1.00000	1.1426
69	Styrene	104	10.053	10.053	(1.086)	70270	1.00000	1.1245
70	Bromoform	173	10.225	10.225	(0.885)	11263	1.00000	1.0729
71	Isopropylbenzene	105	10.417	10.417	(1.126)	103526	1.00000	1.1175
$ 72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	28320	1.00000	1.1412
74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	27823	1.00000	1.1484
83	1,3-Dichlorobenzene	146	11.491	11.490	(0.995)	61877	1.00000	1.2014
* 85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	228306	5.00000	
86	1,4-Dichlorobenzene	146	11.561	11.561	(1.001)	65248	1.00000	1.2009
$ 87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	38263	1.00000	1.1789
89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	59869	1.00000	1.1857
90	1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	4366	1.00000	1.0972
91	1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	46049	1.00000	1.1806
94	1,2,3-Trichlorobenzene	180	13.334	13.333	(1.154)	42408	1.00000	1.1801
19	tert-butyl alcohol	59	2.458	2.458	(0.463)	33961	10.0000	13.6230

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A05.D

Date : 19-NOV-2007 08:10

Client ID: VSTD00119

Instrument: msd8.i

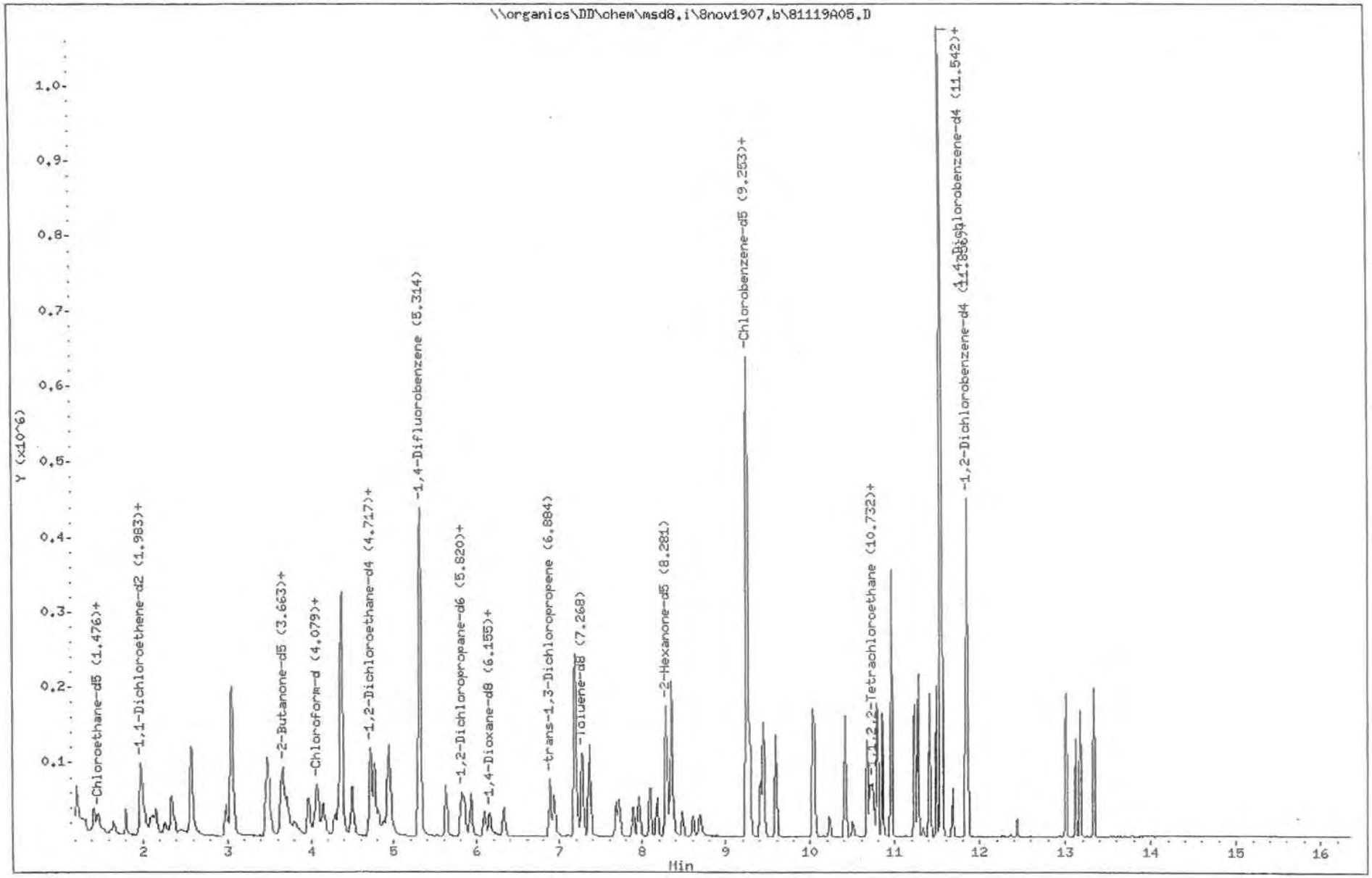
Sample Info: 8nov1907.b, VSTD001

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A06.D
Lab Smp Id: VSTD0.5 Client Smp ID: VSTD0.519
Inj Date : 19-NOV-2007 08:32
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD0.5
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 6 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)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.060	1.060	(0.200)	6036	0.50000	0.4294 (a)
	2 Chloromethane	50	1.152	1.152	(0.217)	15967	0.50000	0.5886
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	4722	0.50000	0.5517
	4 Vinyl Chloride	62	1.222	1.222	(0.230)	12550	0.50000	0.4993 (a
	5 Bromomethane	94	1.425	1.425	(0.268)	9218	0.50000	0.5463
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	5754	0.50000	0.5532
	7 Chloroethane	64	1.486	1.486	(0.280)	8241	0.50000	0.5980
	8 Trichlorofluoromethane	101	1.617	1.617	(0.304)	6987	0.50000	0.3640 (a
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	19204	0.50000	0.5041
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	10487	0.50000	0.5229
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	6953	0.50000	0.4015 (a
	14 Acetone	43	2.022	2.022	(0.381)	29128	5.00000	5.4427
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	32070	0.50000	0.4968 (a
	16 Methyl Acetate	43	2.265	2.265	(0.426)	9485	0.50000	0.5547
	17 Methylene Chloride	84	2.346	2.346	(0.442)	19107	0.50000	0.6675
	20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	35154	0.50000	0.5581
	21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	11881	0.50000	0.5486
	23 1,1-Dichloroethane	63	2.984	2.984	(0.562)	20647	0.50000	0.5476
$	25 2-Butanone-d5	46	3.643	3.643	(0.686)	45630	5.00000	4.9185
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	13007	0.50000	0.5466
	28 2-Butanone	43	3.714	3.714	(0.699)	48615	5.00000	5.0625
	29 Bromochloromethane	128	3.977	3.977	(0.748)	6479	0.50000	0.5729
$	30 Chloroform-d	84	4.068	4.068	(0.766)	21558	0.50000	0.5442
	31 Chloroform	83	4.088	4.088	(0.769)	21090	0.50000	0.5723

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	33 1,1,1-Trichloroethane	97	4.291	4.291	(0.464)	11746	0.50000	0.5002
	32 Cyclohexane	56	4.362	4.362	(0.471)	16305	0.50000	0.5424(Q)
	34 Carbon Tetrachloride	121	4.493	4.493	(0.486)	2703	0.50000	0.4522(a)
$	38 1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	12142	0.50000	0.5964
$	36 Benzene-d6	84	4.716	4.716	(0.510)	49833	0.50000	0.5726
	37 Benzene	78	4.767	4.767	(0.515)	49237	0.50000	0.5637
	39 1,2-Dichloroethane	62	4.817	4.817	(0.907)	13778	0.50000	0.5609
*	41 1,4-Difluorobenzene	114	5.313	5.313	(1.000)	441922	5.00000	
	42 Trichloroethene	95	5.627	5.627	(0.608)	11929	0.50000	0.5544
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	16375	0.50000	0.5699
	43 Methylcyclohexane	83	5.850	5.850	(0.632)	16278	0.50000	0.4837(a)
	45 1,2-Dichloropropane	63	5.931	5.931	(0.641)	12230	0.50000	0.5589
$	46 1,4-Dioxane-d8	96	6.144	6.144	(1.156)	2773	20.0000	25.0220
	47 1,4-Dioxane	88	6.205	6.205	(1.168)	4290	20.0000	23.9836
	49 Bromodichloromethane	83	6.326	6.326	(0.684)	13398	0.50000	0.5482
$	54 trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	24209	0.50000	0.5141
	50 cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	16158	0.50000	0.5032
	51 4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	92589	5.00000	4.7304(a)
$	52 Toluene-d8	98	7.278	7.278	(0.787)	41627	0.50000	0.5511
	53 Toluene	91	7.359	7.359	(0.795)	48123	0.50000	0.5511
	55 trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	14148	0.50000	0.4984(a)
	56 1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	9783	0.50000	0.5556
	57 Tetrachloroethene	164	8.098	8.098	(0.875)	8433	0.50000	0.5334
$	58 2-Hexanone-d5	63	8.291	8.291	(0.896)	39068	5.00000	4.4648
	60 2-Hexanone	43	8.351	8.351	(0.903)	71077	5.00000	4.7591(a)
	61 Dibromochloromethane	129	8.483	8.483	(0.917)	9171	0.50000	0.5120
	62 1,2-Dibromoethane	107	8.605	8.605	(0.930)	9803	0.50000	0.5505
*	63 Chlorobenzene-d5	117	9.253	9.253	(1.000)	395142	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	34836	0.50000	0.5733
	65 Ethylbenzene	91	9.445	9.445	(1.021)	48829	0.50000	0.5227
	67 m+p-Xylenes	106	9.597	9.597	(1.037)	18922	0.50000	0.5072
	68 o-Xylene	106	10.032	10.032	(1.084)	19347	0.50000	0.5190
	69 Styrene	104	10.053	10.053	(1.086)	30119	0.50000	0.4901(a)
	70 Bromoform	173	10.225	10.225	(0.885)	4902	0.50000	0.4738(a)
	71 Isopropylbenzene	105	10.417	10.417	(1.126)	45482	0.50000	0.4992(a)
$	72 1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	13108	0.50000	0.5372
	74 1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	12774	0.50000	0.5362
	83 1,3-Dichlorobenzene	146	11.490	11.490	(0.995)	28470	0.50000	0.5608
*	85 1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	224999	5.00000	
	86 1,4-Dichlorobenzene	146	11.561	11.561	(1.001)	30803	0.50000	0.5752
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	18354	0.50000	0.5738
	89 1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	27816	0.50000	0.5589
	90 1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	2040	0.50000	0.5202
	91 1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	20010	0.50000	0.5205
	94 1,2,3-Trichlorobenzene	180	13.333	13.333	(1.154)	19335	0.50000	0.5459
	19 tert-butyl alcohol	59	2.458	2.458	(0.463)	15390	5.00000	6.2176

QC Flag Legend

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

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A06.D

Date : 19-NOV-2007 08:32

Client ID: VSTD0.519

Instrument: msd8.i

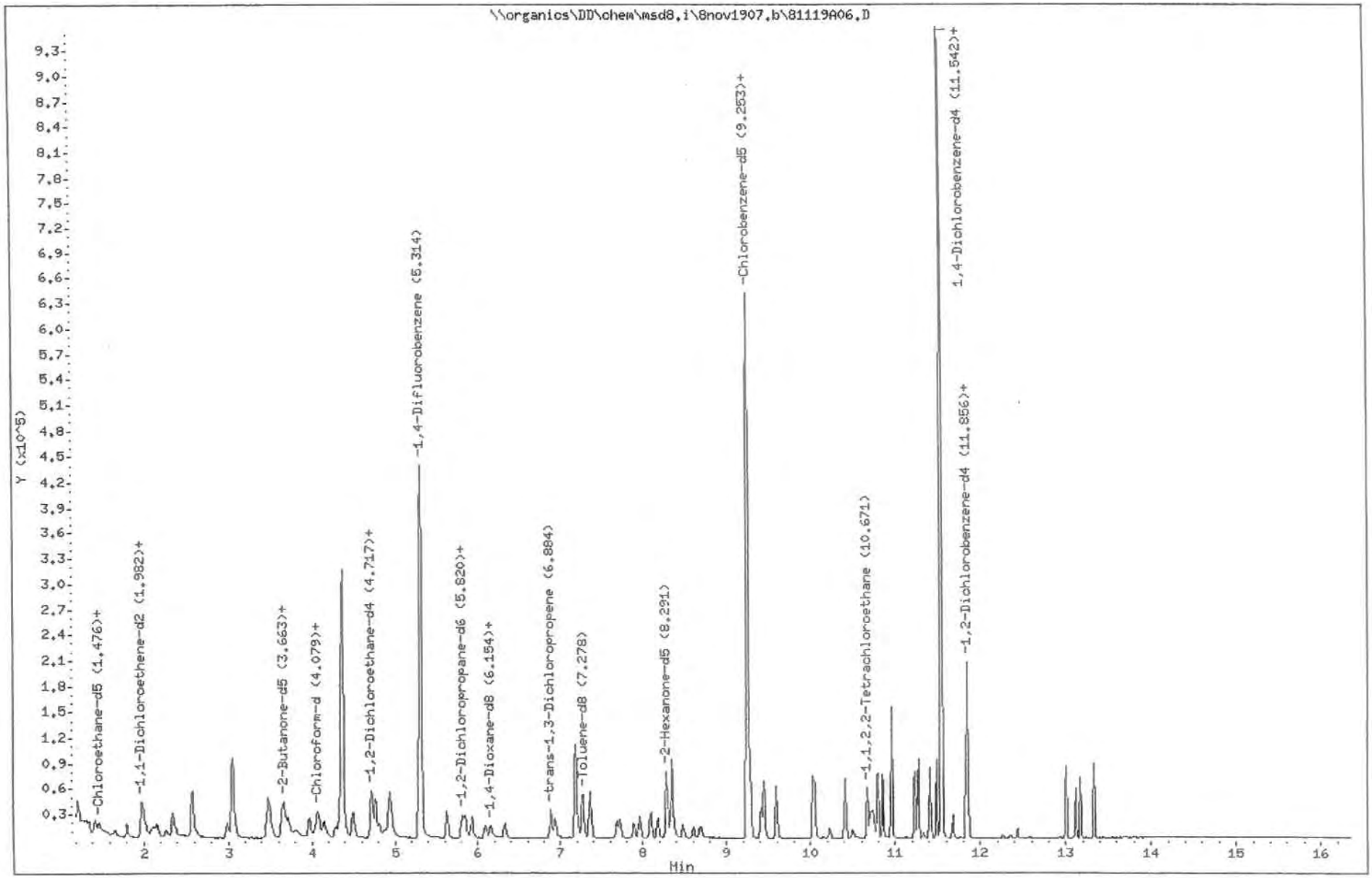
Sample Info: 8nov1907.b, VSTD0.5

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1753	0.0100	10.2	40.0
Chloromethane	0.3069	0.2574	0.0100	-16.1	40.0
Vinyl chloride	0.2844	0.2640	0.1000	-7.2	30.0
Bromomethane	0.1909	0.1736	0.1000	-9.1	30.0
Chloroethane	0.1559	0.1387	0.0100	-11.0	40.0
Trichlorofluoromethane	0.2171	0.2417	0.0100	11.3	40.0
1,1-Dichloroethene	0.2269	0.2063	0.1000	-9.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.1670	0.0100	-14.8	40.0
Acetone	0.0606	0.0511	0.0100	-15.6	40.0
Carbon Disulfide	0.7302	0.6754	0.0100	-7.5	40.0
Methyl acetate	0.1935	0.1494	0.0100	-22.8	40.0
Methylene chloride	0.3239	0.2590	0.0100	-20.0	40.0
trans-1,2-Dichloroethene	0.2450	0.2124	0.0100	-13.3	40.0
Methyl tert-butyl ether	0.7126	0.6194	0.0100	-13.1	40.0
1,1-Dichloroethane	0.4265	0.3743	0.2000	-12.3	30.0
cis-1,2-Dichloroethene	0.2692	0.2340	0.0100	-13.1	40.0
2-Butanone	0.1086	0.0917	0.0100	-15.6	40.0
Bromochloromethane	0.1279	0.1119	0.0500	-12.5	30.0
Chloroform	0.4169	0.3562	0.2000	-14.6	30.0
1,1,1-Trichloroethane	0.2971	0.2743	0.1000	-7.7	30.0
Cyclohexane	0.3803	0.3789	0.0100	-0.4	40.0
Carbon tetrachloride	0.0756	0.0732	0.1000	-3.2	30.0
Benzene	1.1051	0.9511	0.4000	-13.9	30.0
1,2-Dichloroethane	0.2779	0.2387	0.1000	-14.1	30.0
Trichloroethene	0.2723	0.2369	0.3000	-13.0	30.0
Methylcyclohexane	0.4258	0.4338	0.0100	1.9	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.2769	0.2409	0.0100	-13.0	40.0
Bromodichloromethane	0.3092	0.2673	0.2000	-13.6	30.0
cis-1,3-Dichloropropene	0.4062	0.3624	0.2000	-10.8	30.0
4-Methyl-2-pentanone	0.2477	0.2091	0.0100	-15.6	40.0
Toluene	1.1048	0.9618	0.4000	-12.9	30.0
trans-1,3-Dichloropropene	0.3592	0.3221	0.1000	-10.3	30.0
1,1,2-Trichloroethane	0.2228	0.1956	0.1000	-12.2	30.0
Tetrachloroethene	0.2000	0.1815	0.1000	-9.3	30.0
2-Hexanone	0.1890	0.1600	0.0100	-15.3	40.0
Dibromochloromethane	0.2266	0.2006	0.1000	-11.5	30.0
1,2-Dibromoethane	0.2253	0.1969	0.0100	-12.6	40.0
Chlorobenzene	0.7688	0.6656	0.5000	-13.4	30.0
Ethylbenzene	1.1819	1.0517	0.1000	-11.0	30.0
o-Xylene	0.4717	0.4213	0.3000	-10.7	30.0
m,p-Xylene	0.4720	0.4208	0.3000	-10.8	30.0
Styrene	0.7775	0.7066	0.3000	-9.1	30.0
Bromoform	0.2299	0.2108	0.0500	-8.3	30.0
Isopropylbenzene	1.1527	1.0525	0.0100	-8.7	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.2658	0.1000	-11.8	30.0
1,3-Dichlorobenzene	1.1280	1.0090	0.4000	-10.5	30.0
1,4-Dichlorobenzene	1.1899	1.0452	0.4000	-12.2	30.0
1,2-Dichlorobenzene	1.1058	0.9847	0.4000	-11.0	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0785	0.0100	-9.9	40.0
1,2,4-Trichlorobenzene	0.8542	0.7765	0.2000	-9.1	30.0
1,2,3-Trichlorobenzene	0.7870	0.7173	0.2000	-8.9	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.0968	0.0846	0.0100	-12.6	30.0
Chloroethane-d5	0.1177	0.1010	0.0100	-14.2	40.0
1,1-Dichloroethene-d2	0.4310	0.3988	0.0100	-7.5	30.0
2-Butanone-d5	0.1050	0.0886	0.0100	-15.6	40.0
Chloroform-d	0.4482	0.3968	0.0100	-11.5	30.0
1,2-Dichloroethane-d4	0.2303	0.1961	0.0100	-14.9	30.0
Benzene-d6	1.1011	0.9479	0.0100	-13.9	30.0
1,2-Dichloropropane-d6	0.3635	0.3150	0.0100	-13.4	40.0
Toluene-d8	0.9556	0.8355	0.0100	-12.6	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.5305	0.0100	-11.0	30.0
2-Hexanone-d5	0.1107	0.0951	0.0100	-14.1	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.2737	0.0100	-11.4	30.0
1,2-Dichlorobenzene-d4	0.7108	0.6310	0.0100	-11.2	30.0
tertiary butyl alcohol	0.0280	0.0271	0.0100	-3.1	50.0

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

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A04.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD00519
Inj Date : 19-NOV-2007 07:48
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VSTD005
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 07:48 Cal File: 81119A04.D
Als bottle: 4 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

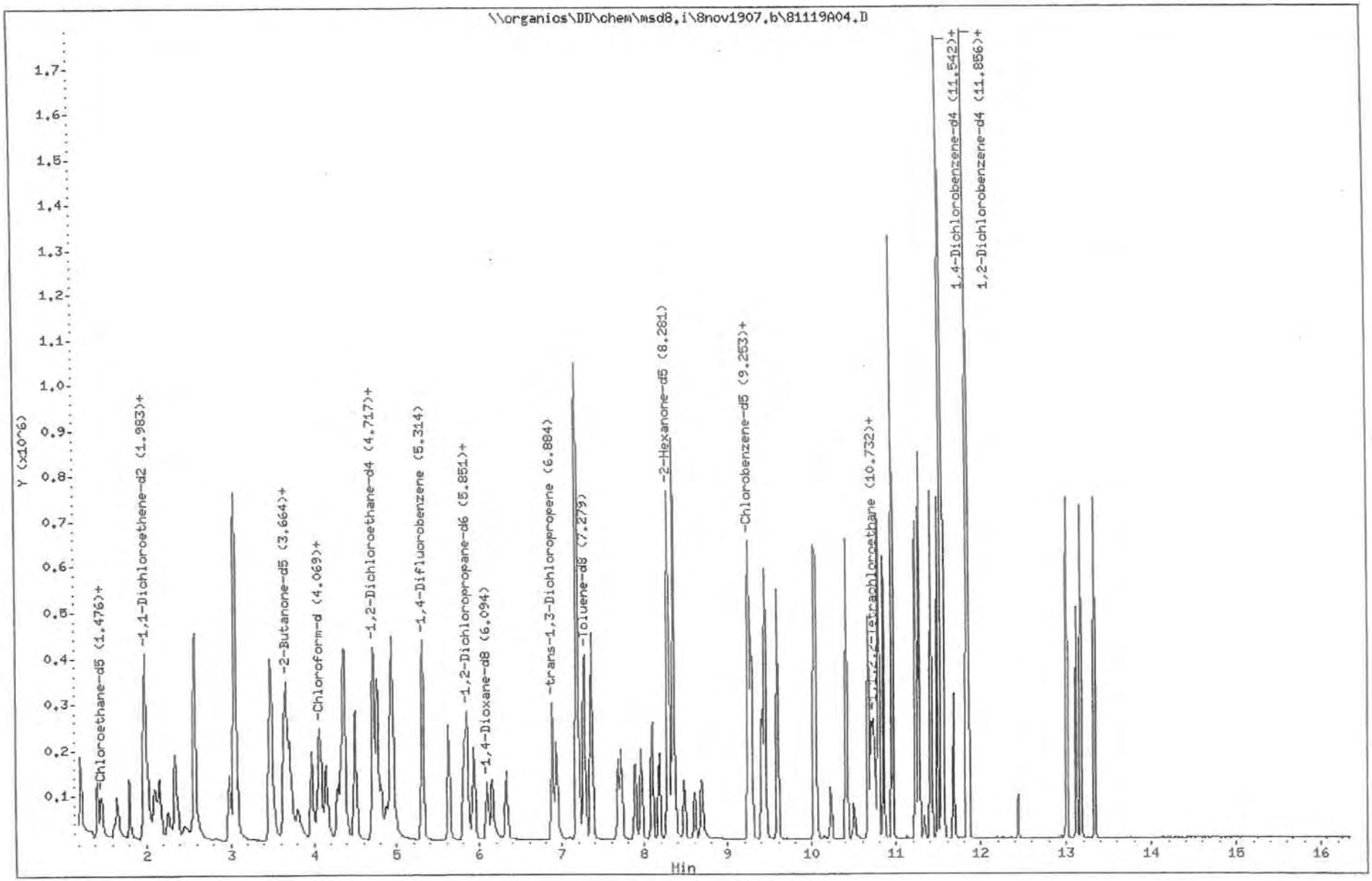
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	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)	77267	5.00000	5.5111
	2 Chloromethane	50	1.152	1.152	(0.217)	113487	5.00000	4.1941
$	3 Vinyl Chloride-d3	65	1.223	1.222	(0.230)	37309	5.00000	4.3704
	4 Vinyl Chloride	62	1.223	1.222	(0.230)	116371	5.00000	4.6414
	5 Bromomethane	94	1.425	1.425	(0.268)	76528	5.00000	4.5474
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	44502	5.00000	4.2894
	7 Chloroethane	64	1.476	1.486	(0.278)	61164	5.00000	4.4499
	8 Trichlorofluoromethane	101	1.658	1.617	(0.312)	106544	5.00000	5.5657
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	175815	5.00000	4.6272
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	90957	5.00000	4.5473
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	73624	5.00000	4.2619
	14 Acetone	43	2.023	2.022	(0.381)	225205	50.0000	42.1851
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	297733	5.00000	4.6245
	16 Methyl Acetate	43	2.266	2.265	(0.426)	65880	5.00000	3.8623
	17 Methylene Chloride	84	2.347	2.346	(0.442)	114193	5.00000	3.9994
	20 Methyl tert-Butyl Ether	73	2.580	2.579	(0.486)	273061	5.00000	4.3464
	21 trans-1,2-Dichloroethene	96	2.580	2.579	(0.486)	93649	5.00000	4.3352
	23 1,1-Dichloroethane	63	2.985	2.984	(0.562)	164993	5.00000	4.3873
$	25 2-Butanone-d5	46	3.633	3.643	(0.684)	390419	50.0000	42.1880
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	103134	5.00000	4.3450
	28 2-Butanone	43	3.714	3.714	(0.699)	404255	50.0000	42.2021
	29 Bromochloromethane	128	3.977	3.977	(0.748)	49335	5.00000	4.3738
$	30 Chloroform-d	84	4.058	4.068	(0.764)	174928	5.00000	4.4270
	31 Chloroform	83	4.088	4.088	(0.769)	157001	5.00000	4.2715

		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)	110018	5.00000	4.6166
	32	Cyclohexane	56	4.342	4.362	(0.469)	151931	5.00000	4.9804
	34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	29348	5.00000	4.8378
$	38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	86459	5.00000	4.2573
$	36	Benzene-d6	84	4.716	4.716	(0.510)	380127	5.00000	4.3041
	37	Benzene	78	4.767	4.767	(0.515)	381408	5.00000	4.3029
	39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	105235	5.00000	4.2954
*	41	1,4-Difluorobenzene	114	5.314	5.313	(1.000)	440828	5.00000	
	42	Trichloroethene	95	5.628	5.627	(0.608)	95000	5.00000	4.3503
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	126317	5.00000	4.3321
	43	Methylcyclohexane	83	5.850	5.850	(0.632)	173963	5.00000	5.0937
	45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	96613	5.00000	4.3508
$	46	1,4-Dioxane-d8	96	6.124	6.144	(1.152)	22710	250.000	205.4316
	47	1,4-Dioxane	88	6.185	6.205	(1.164)	36052	250.000	202.0523
	49	Bromodichloromethane	83	6.326	6.326	(0.684)	107202	5.00000	4.3222
$	54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	212747	5.00000	4.4520
	50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	145335	5.00000	4.4604
	51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	838549	50.0000	42.2133
$	52	Toluene-d8	98	7.278	7.278	(0.787)	335068	5.00000	4.3716
	53	Toluene	91	7.359	7.359	(0.795)	385704	5.00000	4.3528
	55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	129172	5.00000	4.4839
	56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	78435	5.00000	4.3892
	57	Tetrachloroethene	164	8.098	8.098	(0.875)	72776	5.00000	4.5360
$	58	2-Hexanone-d5	63	8.281	8.291	(0.895)	381437	50.0000	42.9523
	60	2-Hexanone	43	8.352	8.351	(0.903)	641530	50.0000	42.3250
	61	Dibromochloromethane	129	8.483	8.483	(0.917)	80461	5.00000	4.4262
	62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	78969	5.00000	4.3701
*	63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	401029	5.00000	
	64	Chlorobenzene	112	9.283	9.283	(1.003)	266910	5.00000	4.3284
	65	Ethylbenzene	91	9.445	9.445	(1.021)	421756	5.00000	4.4489
	67	m+p-Xylenes	106	9.597	9.597	(1.037)	168759	5.00000	4.4575
	68	o-Xylene	106	10.033	10.032	(1.084)	168949	5.00000	4.4658
	69	Styrene	104	10.053	10.053	(1.086)	283355	5.00000	4.5437
	70	Bromoform	173	10.225	10.225	(0.885)	48495	5.00000	4.5846
	71	Isopropylbenzene	105	10.417	10.417	(1.126)	422099	5.00000	4.5655
$	72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	109754	5.00000	4.4319
	74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	106594	5.00000	4.4087
	83	1,3-Dichlorobenzene	146	11.491	11.490	(0.995)	232139	5.00000	4.4727
*	85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	230063	5.00000	
	86	1,4-Dichlorobenzene	146	11.562	11.561	(1.001)	240468	5.00000	4.3921
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	145163	5.00000	4.4384
	89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	226539	5.00000	4.4523
	90	1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	18062	5.00000	4.5047
	91	1,2,4-Trichlorobenzene	180	13.010	13.009	(1.126)	178650	5.00000	4.5453
	94	1,2,3-Trichlorobenzene	180	13.334	13.333	(1.154)	165019	5.00000	4.5570
	19	tert-butyl alcohol	59	2.458	2.458	(0.463)	119617	50.0000	48.4462

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A04.D
Date : 19-NOV-2007 07:48
Client ID: VSTD00519
Sample Info: 8nov1907.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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1712	0.0100	7.6	40.0
Chloromethane	0.3069	0.2655	0.0100	-13.5	40.0
Vinyl chloride	0.2844	0.2788	0.1000	-1.9	30.0
Bromomethane	0.1909	0.1710	0.1000	-10.4	30.0
Chloroethane	0.1559	0.1579	0.0100	1.3	40.0
Trichlorofluoromethane	0.2171	0.2264	0.0100	4.3	40.0
1,1-Dichloroethene	0.2269	0.2066	0.1000	-8.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.1597	0.0100	-18.5	40.0
Acetone	0.0606	0.0501	0.0100	-17.3	40.0
Carbon Disulfide	0.7302	0.6415	0.0100	-12.1	40.0
Methyl acetate	0.1935	0.1556	0.0100	-19.6	40.0
Methylene chloride	0.3239	0.2690	0.0100	-16.9	40.0
trans-1,2-Dichloroethene	0.2450	0.2143	0.0100	-12.5	40.0
Methyl tert-butyl ether	0.7126	0.6211	0.0100	-12.8	40.0
1,1-Dichloroethane	0.4265	0.3815	0.2000	-10.6	30.0
cis-1,2-Dichloroethene	0.2692	0.2367	0.0100	-12.1	40.0
2-Butanone	0.1086	0.0933	0.0100	-14.1	40.0
Bromochloromethane	0.1279	0.1119	0.0500	-12.5	30.0
Chloroform	0.4169	0.3822	0.2000	-8.3	30.0
1,1,1-Trichloroethane	0.2971	0.2794	0.1000	-6.0	30.0
Cyclohexane	0.3803	0.3759	0.0100	-1.2	40.0
Carbon tetrachloride	0.0756	0.0682	0.1000	-9.8	30.0
Benzene	1.1051	0.9782	0.4000	-11.5	30.0
1,2-Dichloroethane	0.2779	0.2511	0.1000	-9.7	30.0
Trichloroethene	0.2723	0.2644	0.3000	-2.9	30.0
Methylcyclohexane	0.4258	0.4185	0.0100	-1.7	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.2769	0.2465	0.0100	-11.0	40.0
Bromodichloromethane	0.3092	0.2461	0.2000	-20.4	30.0
cis-1,3-Dichloropropene	0.4062	0.3112	0.2000	-23.4	30.0
4-Methyl-2-pentanone	0.2477	0.2196	0.0100	-11.3	40.0
Toluene	1.1048	0.9764	0.4000	-11.6	30.0
trans-1,3-Dichloropropene	0.3592	0.2694	0.1000	-25.0	30.0
1,1,2-Trichloroethane	0.2228	0.1965	0.1000	-11.8	30.0
Tetrachloroethene	0.2000	0.1781	0.1000	-10.9	30.0
2-Hexanone	0.1890	0.1650	0.0100	-12.7	40.0
Dibromochloromethane	0.2266	0.1583	0.1000	-30.2	30.0
1,2-Dibromoethane	0.2253	0.1957	0.0100	-13.1	40.0
Chlorobenzene	0.7688	0.6595	0.5000	-14.2	30.0
Ethylbenzene	1.1819	1.0498	0.1000	-11.2	30.0
o-Xylene	0.4717	0.4131	0.3000	-12.4	30.0
m,p-Xylene	0.4720	0.4206	0.3000	-10.9	30.0
Styrene	0.7775	0.7026	0.3000	-9.6	30.0
Bromoform	0.2299	0.1323	0.0500	-42.4	30.0
Isopropylbenzene	1.1527	1.0468	0.0100	-9.2	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.2382	0.1000	-21.0	30.0
1,3-Dichlorobenzene	1.1280	0.9642	0.4000	-14.5	30.0
1,4-Dichlorobenzene	1.1899	1.0219	0.4000	-14.1	30.0
1,2-Dichlorobenzene	1.1058	0.9579	0.4000	-13.4	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0664	0.0100	-23.8	40.0
1,2,4-Trichlorobenzene	0.8542	0.6937	0.2000	-18.8	30.0
1,2,3-Trichlorobenzene	0.7870	0.6396	0.2000	-18.7	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.0968	0.0899	0.0100	-7.1	30.0
Chloroethane-d5	0.1177	0.1121	0.0100	-4.8	40.0
1,1-Dichloroethene-d2	0.4310	0.4093	0.0100	-5.0	30.0
2-Butanone-d5	0.1050	0.0923	0.0100	-12.1	40.0
Chloroform-d	0.4482	0.3973	0.0100	-11.3	30.0
1,2-Dichloroethane-d4	0.2303	0.2033	0.0100	-11.7	30.0
Benzene-d6	1.1011	0.9697	0.0100	-11.9	30.0
1,2-Dichloropropane-d6	0.3635	0.3239	0.0100	-10.9	40.0
Toluene-d8	0.9556	0.8357	0.0100	-12.6	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.4485	0.0100	-24.7	30.0
2-Hexanone-d5	0.1107	0.0969	0.0100	-12.5	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.2608	0.0100	-15.5	30.0
1,2-Dichlorobenzene-d4	0.7108	0.6047	0.0100	-14.9	30.0
tertiary butyl alcohol	0.0280	0.0239	0.0100	-14.8	50.0

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

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A28.D
Lab Smp Id: END Client Smp ID: VSTD005B9
Inj Date : 19-NOV-2007 18:25
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, END
Misc Info :
Comment :
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Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

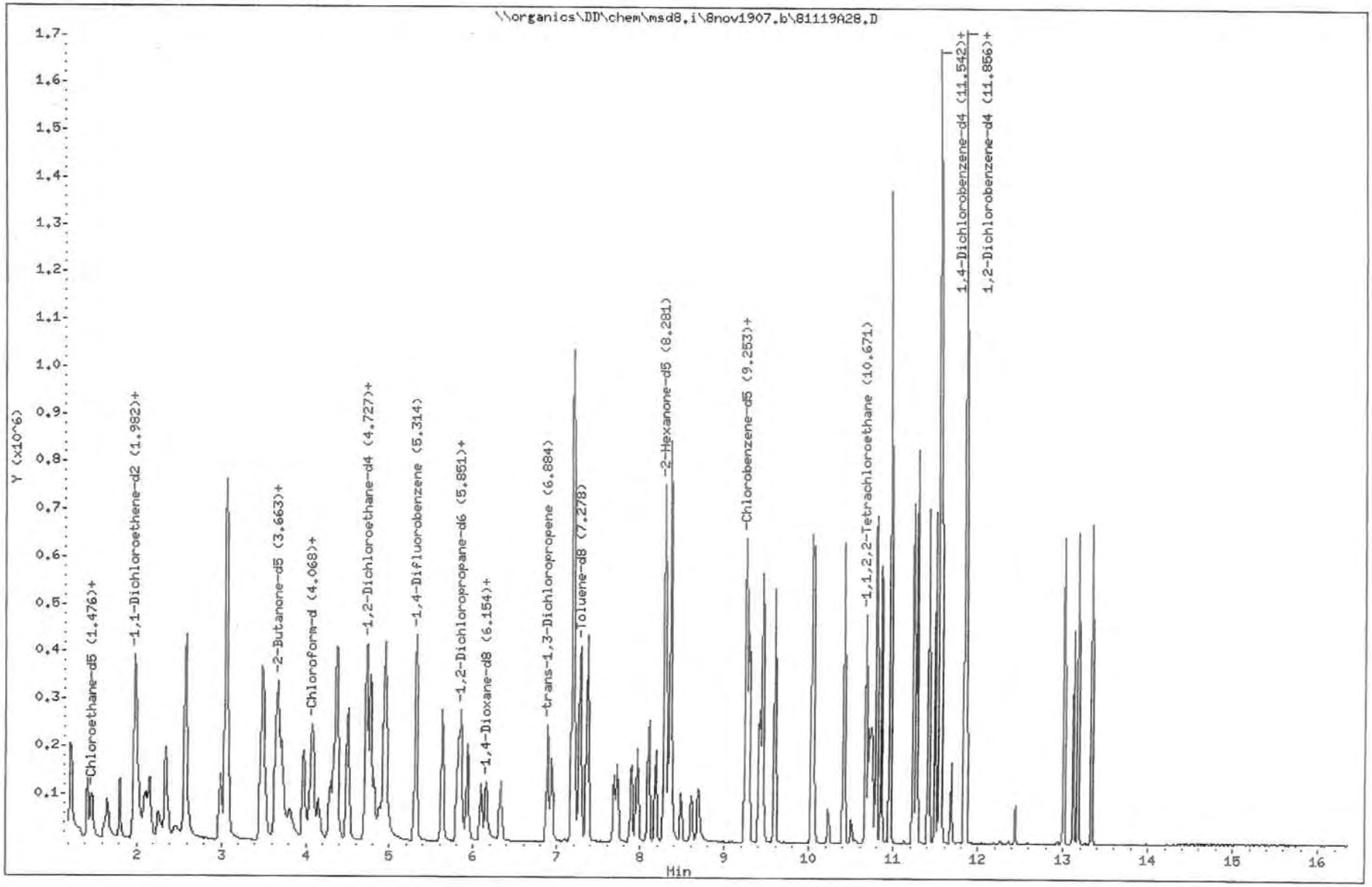
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	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)	73349	5.00000	5.3817
	2 Chloromethane	50	1.152	1.152	(0.217)	113778	5.00000	4.3254
$	3 Vinyl Chloride-d3	65	1.222	1.222	(0.230)	38540	5.00000	4.6441
	4 Vinyl Chloride	62	1.222	1.222	(0.230)	119492	5.00000	4.9025
	5 Bromomethane	94	1.425	1.425	(0.268)	73281	5.00000	4.4793
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	48030	5.00000	4.7622
	7 Chloroethane	64	1.486	1.486	(0.280)	67666	5.00000	5.0641
	8 Trichlorofluoromethane	101	1.648	1.648	(0.310)	97027	5.00000	5.2139
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	175421	5.00000	4.7492
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	88529	5.00000	4.5528
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	68417	5.00000	4.0740
	14 Acetone	43	2.022	2.022	(0.381)	214631	50.0000	41.3569
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	274926	5.00000	4.3926
	16 Methyl Acetate	43	2.266	2.266	(0.426)	66677	5.00000	4.0211
	17 Methylene Chloride	84	2.347	2.347	(0.442)	115284	5.00000	4.1533
	20 Methyl tert-Butyl Ether	73	2.579	2.579	(0.485)	266158	5.00000	4.3580
	21 trans-1,2-Dichloroethene	96	2.579	2.579	(0.485)	91856	5.00000	4.3741
	23 1,1-Dichloroethane	63	2.995	2.995	(0.564)	163476	5.00000	4.4726
$	25 2-Butanone-d5	46	3.643	3.643	(0.686)	395350	50.0000	43.9456
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	101432	5.00000	4.3958
	28 2-Butanone	43	3.714	3.714	(0.699)	399870	50.0000	42.9410
	29 Bromochloromethane	128	3.977	3.977	(0.748)	47964	5.00000	4.3741
$	30 Chloroform-d	84	4.068	4.068	(0.766)	170268	5.00000	4.4326
	31 Chloroform	83	4.088	4.088	(0.769)	163803	5.00000	4.5843

		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)	108903	5.00000	4.7020
	32	Cyclohexane	56	4.341	4.341	(0.469)	146516	5.00000	4.9419
	34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	26581	5.00000	4.5084
$	38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	87124	5.00000	4.4130
$	36	Benzene-d6	84	4.726	4.726	(0.511)	377949	5.00000	4.4033
	37	Benzene	78	4.767	4.767	(0.515)	381239	5.00000	4.4254
	39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	107590	5.00000	4.5174
*	41	1,4-Difluorobenzene	114	5.314	5.314	(1.000)	428543	5.00000	
	42	Trichloroethene	95	5.627	5.627	(0.608)	103037	5.00000	4.8549
$	44	1,2-Dichloropropane-d6	67	5.820	5.820	(0.629)	126229	5.00000	4.4543
	43	Methylcyclohexane	83	5.850	5.850	(0.632)	163126	5.00000	4.9146
	45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	96088	5.00000	4.4523
$	46	1,4-Dioxane-d8	96	6.124	6.124	(1.152)	14250	250.000	132.5989
	47	1,4-Dioxane	88	6.174	6.174	(1.162)	29205	250.000	168.3707
	49	Bromodichloromethane	83	6.326	6.326	(0.684)	95937	5.00000	3.9799
$	54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	174787	5.00000	3.7634
	50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	121289	5.00000	3.8301
	51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	855937	50.0000	44.3351
$	52	Toluene-d8	98	7.278	7.278	(0.787)	325706	5.00000	4.3724
	53	Toluene	91	7.359	7.359	(0.795)	380559	5.00000	4.4189
	55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	105015	5.00000	3.7508
	56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	76605	5.00000	4.4108
	57	Tetrachloroethene	164	8.098	8.098	(0.875)	69433	5.00000	4.4529
$	58	2-Hexanone-d5	63	8.280	8.280	(0.895)	377788	50.0000	43.7720
	60	2-Hexanone	43	8.351	8.351	(0.903)	643193	50.0000	43.6623
	61	Dibromochloromethane	129	8.483	8.483	(0.917)	61701	5.00000	3.4924
	62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	76282	5.00000	4.3435
*	63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	389754	5.00000	
	64	Chlorobenzene	112	9.283	9.283	(1.003)	257058	5.00000	4.2893
	65	Ethylbenzene	91	9.445	9.445	(1.021)	409172	5.00000	4.4411
	67	m+p-Xylenes	106	9.597	9.597	(1.037)	163917	5.00000	4.4549
	68	o-Xylene	106	10.032	10.032	(1.084)	160988	5.00000	4.3785
	69	Styrene	104	10.053	10.053	(1.086)	273843	5.00000	4.5132
	70	Bromoform	173	10.225	10.225	(0.885)	29858	5.00000	2.8795
	71	Isopropylbenzene	105	10.417	10.417	(1.126)	407998	5.00000	4.5406
$	72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	101666	5.00000	4.2241
	74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	92847	5.00000	3.9512
	83	1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	217539	5.00000	4.2742
*	85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	225606	5.00000	
	86	1,4-Dichlorobenzene	146	11.561	11.561	(1.001)	230538	5.00000	4.2939
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	136427	5.00000	4.2537
	89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	216111	5.00000	4.3313
	90	1,2-Dibromo-3-chloropropane	75	12.442	12.442	(1.077)	14978	5.00000	3.8093
	91	1,2,4-Trichlorobenzene	180	13.009	13.009	(1.126)	156507	5.00000	4.0606
	94	1,2,3-Trichlorobenzene	180	13.333	13.333	(1.154)	144290	5.00000	4.0633
	19	tert-butyl alcohol	59	2.468	2.468	(0.465)	102282	50.0000	42.6129

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A28.D
Date : 19-NOV-2007 18:25
Client ID: VSTD005B9
Sample Info: 8nov1907.b, END
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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1871	0.0100	17.6	40.0
Chloromethane	0.3069	0.3160	0.0100	3.0	40.0
Vinyl chloride	0.2844	0.3410	0.1000	19.9	30.0
Bromomethane	0.1909	0.2083	0.1000	9.1	30.0
Chloroethane	0.1559	0.1730	0.0100	11.0	40.0
Trichlorofluoromethane	0.2171	0.2923	0.0100	34.6	40.0
1,1-Dichloroethene	0.2269	0.2595	0.1000	14.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.2164	0.0100	10.4	40.0
Acetone	0.0606	0.0614	0.0100	1.4	40.0
Carbon Disulfide	0.7302	0.8412	0.0100	15.2	40.0
Methyl acetate	0.1935	0.1967	0.0100	1.7	40.0
Methylene chloride	0.3239	0.3259	0.0100	0.6	40.0
trans-1,2-Dichloroethene	0.2450	0.2707	0.0100	10.5	40.0
Methyl tert-butyl ether	0.7126	0.8124	0.0100	14.0	40.0
1,1-Dichloroethane	0.4265	0.4739	0.2000	11.1	30.0
cis-1,2-Dichloroethene	0.2692	0.2989	0.0100	11.0	40.0
2-Butanone	0.1086	0.1162	0.0100	6.9	40.0
Bromochloromethane	0.1279	0.1409	0.0500	10.1	30.0
Chloroform	0.4169	0.4599	0.2000	10.3	30.0
1,1,1-Trichloroethane	0.2971	0.3658	0.1000	23.1	30.0
Cyclohexane	0.3803	0.4816	0.0100	26.6	40.0
Carbon tetrachloride	0.0756	0.0926	0.1000	22.4	30.0
Benzene	1.1051	1.2343	0.4000	11.7	30.0
1,2-Dichloroethane	0.2779	0.3089	0.1000	11.2	30.0
Trichloroethene	0.2723	0.3113	0.3000	14.3	30.0
Methylcyclohexane	0.4258	0.5558	0.0100	30.5	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2769	0.3070	0.0100	10.9	40.0
Bromodichloromethane	0.3092	0.3294	0.2000	6.5	30.0
cis-1,3-Dichloropropene	0.4062	0.4610	0.2000	13.5	30.0
4-Methyl-2-pentanone	0.2477	0.2760	0.0100	11.4	40.0
Toluene	1.1048	1.2643	0.4000	14.4	30.0
trans-1,3-Dichloropropene	0.3592	0.4065	0.1000	13.2	30.0
1,1,2-Trichloroethane	0.2228	0.2507	0.1000	12.5	30.0
Tetrachloroethene	0.2000	0.2425	0.1000	21.2	30.0
2-Hexanone	0.1890	0.2063	0.0100	9.2	40.0
Dibromochloromethane	0.2266	0.2378	0.1000	4.9	30.0
1,2-Dibromoethane	0.2253	0.2547	0.0100	13.1	40.0
Chlorobenzene	0.7688	0.8571	0.5000	11.5	30.0
Ethylbenzene	1.1819	1.4071	0.1000	19.0	30.0
o-Xylene	0.4717	0.5528	0.3000	17.2	30.0
m,p-Xylene	0.4720	0.5636	0.3000	19.4	30.0
Styrene	0.7775	0.9301	0.3000	19.6	30.0
Bromoform	0.2299	0.2257	0.0500	-1.8	30.0
Isopropylbenzene	1.1527	1.4304	0.0100	24.1	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.3410	0.1000	13.1	30.0
1,3-Dichlorobenzene	1.1280	1.2814	0.4000	13.6	30.0
1,4-Dichlorobenzene	1.1899	1.3027	0.4000	9.5	30.0
1,2-Dichlorobenzene	1.1058	1.2375	0.4000	11.9	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0967	0.0100	10.9	40.0
1,2,4-Trichlorobenzene	0.8542	0.9708	0.2000	13.7	30.0
1,2,3-Trichlorobenzene	0.7870	0.8555	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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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	0.0968	0.1088	0.0100	12.4	30.0
Chloroethane-d5	0.1177	0.1331	0.0100	13.1	40.0
1,1-Dichloroethene-d2	0.4310	0.5020	0.0100	16.5	30.0
2-Butanone-d5	0.1050	0.1166	0.0100	11.1	40.0
Chloroform-d	0.4482	0.5004	0.0100	11.6	30.0
1,2-Dichloroethane-d4	0.2303	0.2497	0.0100	8.4	30.0
Benzene-d6	1.1011	1.2357	0.0100	12.2	30.0
1,2-Dichloropropane-d6	0.3635	0.4117	0.0100	13.3	40.0
Toluene-d8	0.9556	1.0901	0.0100	14.1	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.6659	0.0100	11.8	30.0
2-Hexanone-d5	0.1107	0.1258	0.0100	13.7	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.3481	0.0100	12.8	30.0
1,2-Dichlorobenzene-d4	0.7108	0.7902	0.0100	11.2	30.0
tertiary butyl alcohol	0.0280	0.0351	0.0100	25.3	50.0

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

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B05.D
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Inj Date : 20-NOV-2007 08:55
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, CCV
Misc Info :
Comment :
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Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

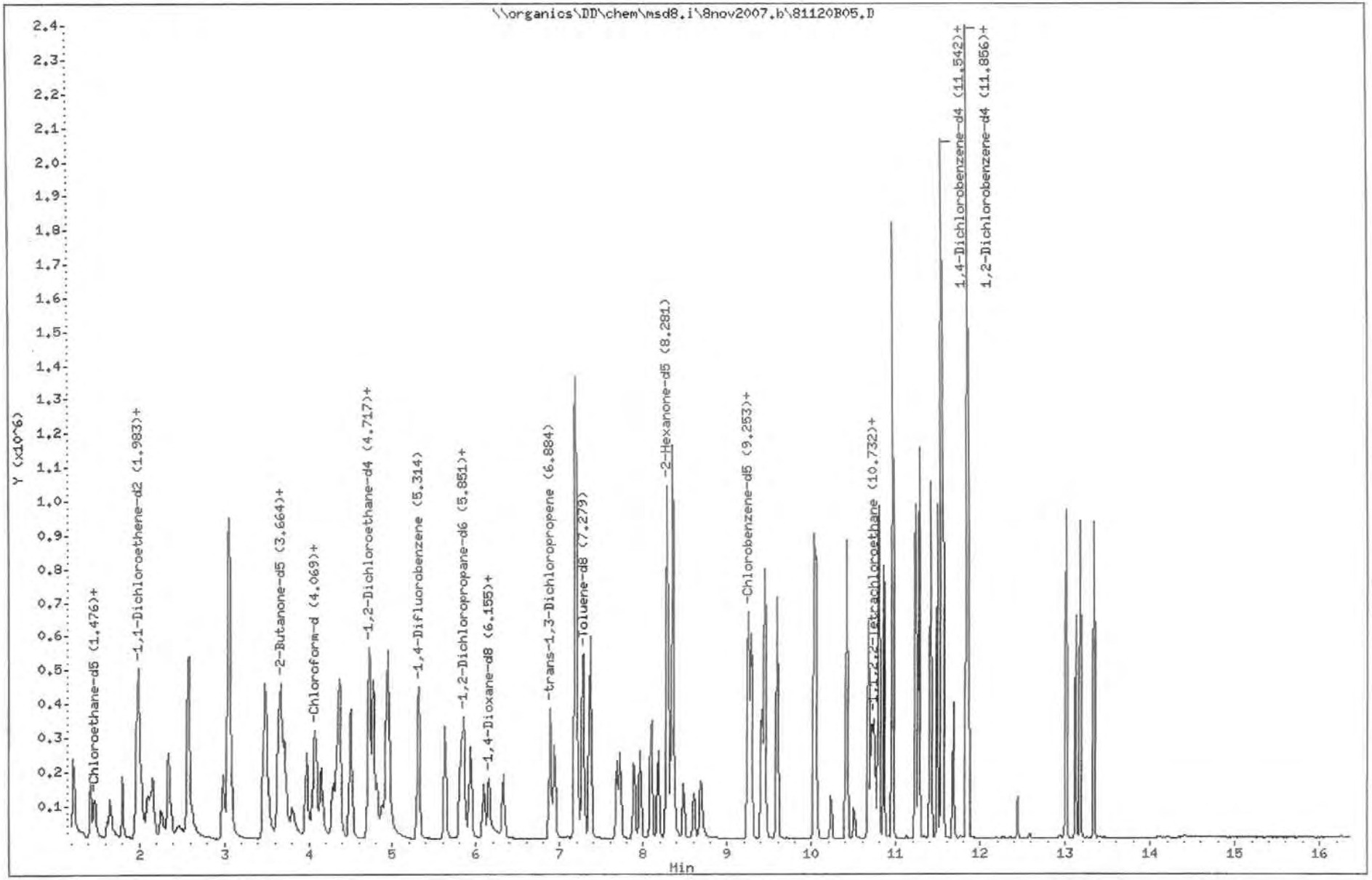
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.061	1.061	(0.200)	84703	5.00000	5.8820
	2 Chloromethane	50	1.152	1.152	(0.217)	143083	5.00000	5.1483
$	3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	49284	5.00000	5.6208
	4 Vinyl Chloride	62	1.223	1.223	(0.230)	154413	5.00000	5.9961
	5 Bromomethane	94	1.425	1.425	(0.268)	94293	5.00000	5.4552
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	60285	5.00000	5.6573
	7 Chloroethane	64	1.486	1.486	(0.280)	78328	5.00000	5.5482
	8 Trichlorofluoromethane	101	1.648	1.648	(0.310)	132327	5.00000	6.7301
$	12 1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	227289	5.00000	5.8240
	13 1,1-Dichloroethene	96	1.982	1.982	(0.373)	117499	5.00000	5.7192
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	97983	5.00000	5.5223
	14 Acetone	43	2.023	2.023	(0.381)	277900	50.0000	50.6817
	15 Carbon Disulfide	76	2.154	2.154	(0.405)	380882	5.00000	5.7598
	16 Methyl Acetate	43	2.256	2.256	(0.425)	89075	5.00000	5.0843
	17 Methylene Chloride	84	2.347	2.347	(0.442)	147549	5.00000	5.0312
	20 Methyl tert-Butyl Ether	73	2.580	2.580	(0.486)	367817	5.00000	5.7001
	21 trans-1,2-Dichloroethene	96	2.580	2.580	(0.486)	122564	5.00000	5.5240
	23 1,1-Dichloroethane	63	2.985	2.985	(0.562)	214592	5.00000	5.5556
$	25 2-Butanone-d5	46	3.633	3.633	(0.684)	527827	50.0000	55.5306
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	135318	5.00000	5.5504
	28 2-Butanone	43	3.714	3.714	(0.699)	525953	50.0000	53.4574
	29 Bromochloromethane	128	3.967	3.967	(0.747)	63801	5.00000	5.5070
$	30 Chloroform-d	84	4.058	4.058	(0.764)	226555	5.00000	5.5822
	31 Chloroform	83	4.088	4.088	(0.769)	208247	5.00000	5.5161

		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)	150130	5.00000	6.1560
	32	Cyclohexane	56	4.342	4.342	(0.469)	197649	5.00000	6.3313
	34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	37986	5.00000	6.1189
$	38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	113062	5.00000	5.4203
$	36	Benzene-d6	84	4.716	4.716	(0.510)	507128	5.00000	5.6112
	37	Benzene	78	4.767	4.767	(0.515)	506550	5.00000	5.5844
	39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	139878	5.00000	5.5587
*	41	1,4-Difluorobenzene	114	5.314	5.314	(1.000)	452780	5.00000	
	42	Trichloroethene	95	5.628	5.628	(0.608)	127744	5.00000	5.7164
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	168970	5.00000	5.6627
	43	Methylcyclohexane	83	5.850	5.850	(0.632)	228108	5.00000	6.5268
	45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	125995	5.00000	5.5445
$	46	1,4-Dioxane-d8	96	6.144	6.144	(1.156)	40102	250.000	353.1817
	47	1,4-Dioxane	88	6.205	6.205	(1.168)	62593	250.000	341.5405
	49	Bromodichloromethane	83	6.326	6.326	(0.684)	135166	5.00000	5.3254
$	54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	273263	5.00000	5.5880
	50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	189184	5.00000	5.6737
	51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	1132691	50.0000	55.7200
$	52	Toluene-d8	98	7.278	7.278	(0.787)	447382	5.00000	5.7038
	53	Toluene	91	7.359	7.359	(0.795)	518859	5.00000	5.7219
	55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	166821	5.00000	5.6587
	56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	102867	5.00000	5.6251
	57	Tetrachloroethene	164	8.098	8.098	(0.875)	99522	5.00000	6.0616
$	58	2-Hexanone-d5	63	8.281	8.281	(0.895)	516421	50.0000	56.8259
	60	2-Hexanone	43	8.352	8.352	(0.903)	846588	50.0000	54.5797
	61	Dibromochloromethane	129	8.483	8.483	(0.917)	97573	5.00000	5.2451
	62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	104530	5.00000	5.6527
*	63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	410390	5.00000	
	64	Chlorobenzene	112	9.283	9.283	(1.003)	351765	5.00000	5.5744
	65	Ethylbenzene	91	9.445	9.445	(1.021)	577453	5.00000	5.9524
	67	m+p-Xylenes	106	9.597	9.597	(1.037)	231284	5.00000	5.9697
	68	o-Xylene	106	10.033	10.033	(1.084)	226844	5.00000	5.8594
	69	Styrene	104	10.053	10.053	(1.086)	381711	5.00000	5.9812
	70	Bromoform	173	10.225	10.225	(0.885)	53574	5.00000	4.9093
	71	Isopropylbenzene	105	10.417	10.417	(1.126)	587014	5.00000	6.2044
$	72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	142869	5.00000	5.6376
	74	1,1,2,2-Tetrachloroethane	83	10.721	10.721	(1.159)	139945	5.00000	5.6560
	83	1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	304135	5.00000	5.6800
*	85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	237350	5.00000	
	86	1,4-Dichlorobenzene	146	11.562	11.562	(1.001)	309194	5.00000	5.4740
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	187550	5.00000	5.5584
	89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	293715	5.00000	5.5954
	90	1,2-Dibromo-3-chloropropane	75	12.443	12.443	(1.077)	22945	5.00000	5.5469
	91	1,2,4-Trichlorobenzene	180	13.010	13.010	(1.126)	230419	5.00000	5.6825
	94	1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	203058	5.00000	5.4353
	19	tert-butyl alcohol	59	2.458	2.458	(0.463)	158829	50.0000	62.6295

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B05.D
Date : 20-NOV-2007 08:55
Client ID: VSTD00520
Sample Info: 8nov2007.b, CCV
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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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	0.1590	0.2018	0.0100	26.9	50.0
Chloromethane	0.3069	0.3161	0.0100	3.0	50.0
Vinyl chloride	0.2844	0.3473	0.0100	22.1	50.0
Bromomethane	0.1909	0.2188	0.0100	14.6	50.0
Chloroethane	0.1559	0.1815	0.0100	16.4	50.0
Trichlorofluoromethane	0.2171	0.2955	0.0100	36.1	50.0
1,1-Dichloroethene	0.2269	0.2688	0.0100	18.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.2058	0.0100	5.0	50.0
Acetone	0.0606	0.0603	0.0100	-0.5	50.0
Carbon Disulfide	0.7302	0.8068	0.0100	10.5	50.0
Methyl acetate	0.1935	0.2086	0.0100	7.8	50.0
Methylene chloride	0.3239	0.3283	0.0100	1.4	50.0
trans-1,2-Dichloroethene	0.2450	0.2682	0.0100	9.5	50.0
Methyl tert-butyl ether	0.7126	0.7788	0.0100	9.3	50.0
1,1-Dichloroethane	0.4265	0.4704	0.0100	10.3	50.0
cis-1,2-Dichloroethene	0.2692	0.2935	0.0100	9.0	50.0
2-Butanone	0.1086	0.1157	0.0100	6.5	50.0
Bromochloromethane	0.1279	0.1387	0.0100	8.4	50.0
Chloroform	0.4169	0.4709	0.0100	12.9	50.0
1,1,1-Trichloroethane	0.2971	0.3492	0.0100	17.5	50.0
Cyclohexane	0.3803	0.4738	0.0100	24.6	50.0
Carbon tetrachloride	0.0756	0.0912	0.0100	20.6	50.0
Benzene	1.1051	1.2121	0.0100	9.7	50.0
1,2-Dichloroethane	0.2779	0.3091	0.0100	11.2	50.0
Trichloroethene	0.2723	0.3093	0.0100	13.6	50.0
Methylcyclohexane	0.4258	0.5322	0.0100	25.0	50.0

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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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

Purge Volume: 25.0 (mL)

COMPOUND	RRF	RRF 5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.2769	0.2990	0.0100	8.0	50.0
Bromodichloromethane	0.3092	0.2907	0.0100	-6.0	50.0
cis-1,3-Dichloropropene	0.4062	0.3949	0.0100	-2.8	50.0
4-Methyl-2-pentanone	0.2477	0.2703	0.0100	9.1	50.0
Toluene	1.1048	1.2311	0.0100	11.4	50.0
trans-1,3-Dichloropropene	0.3592	0.3435	0.0100	-4.4	50.0
1,1,2-Trichloroethane	0.2228	0.2446	0.0100	9.8	50.0
Tetrachloroethene	0.2000	0.2337	0.0100	16.8	50.0
2-Hexanone	0.1890	0.2050	0.0100	8.5	50.0
Dibromochloromethane	0.2266	0.1900	0.0100	-16.2	50.0
1,2-Dibromoethane	0.2253	0.2428	0.0100	7.8	50.0
Chlorobenzene	0.7688	0.8255	0.0100	7.4	50.0
Ethylbenzene	1.1819	1.3441	0.0100	13.7	50.0
o-Xylene	0.4717	0.5317	0.0100	12.7	50.0
m,p-Xylene	0.4720	0.5334	0.0100	13.0	50.0
Styrene	0.7775	0.8997	0.0100	15.7	50.0
Bromoform	0.2299	0.1543	0.0100	-32.9	50.0
Isopropylbenzene	1.1527	1.3330	0.0100	15.6	50.0
1,1,2,2-Tetrachloroethane	0.3015	0.3142	0.0100	4.2	50.0
1,3-Dichlorobenzene	1.1280	1.2066	0.0100	7.0	50.0
1,4-Dichlorobenzene	1.1899	1.2539	0.0100	5.4	50.0
1,2-Dichlorobenzene	1.1058	1.2046	0.0100	8.9	50.0
1,2-Dibromo-3-chloropropane	0.0871	0.0743	0.0100	-14.7	50.0
1,2,4-Trichlorobenzene	0.8542	0.9025	0.0100	5.7	50.0
1,2,3-Trichlorobenzene	0.7870	0.8146	0.0100	3.5	50.0

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.: 1391.3 SDG No.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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	0.0968	0.1097	0.0100	13.3	50.0
Chloroethane-d5	0.1177	0.1341	0.0100	14.0	50.0
1,1-Dichloroethene-d2	0.4310	0.5200	0.0100	20.7	50.0
2-Butanone-d5	0.1050	0.1152	0.0100	9.8	50.0
Chloroform-d	0.4482	0.4984	0.0100	11.2	50.0
1,2-Dichloroethane-d4	0.2303	0.2479	0.0100	7.6	50.0
Benzene-d6	1.1011	1.1867	0.0100	7.8	50.0
1,2-Dichloropropane-d6	0.3635	0.3959	0.0100	8.9	50.0
Toluene-d8	0.9556	1.0602	0.0100	10.9	50.0
trans-1,3-Dichloropropene-d4	0.5958	0.5618	0.0100	-5.7	50.0
2-Hexanone-d5	0.1107	0.1223	0.0100	10.5	50.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.3258	0.0100	5.5	50.0
1,2-Dichlorobenzene-d4	0.7108	0.7587	0.0100	6.7	50.0
tertiary butyl alcohol	0.0280	0.0287	0.0100	2.5	50.0

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

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B32.D
Lab Smp Id: 8END1120 Client Smp ID: VSTD005C0
Inj Date : 20-NOV-2007 19:34
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, 8END1120
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACEend-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 28 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1391.sub
Target Version: 4.14

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

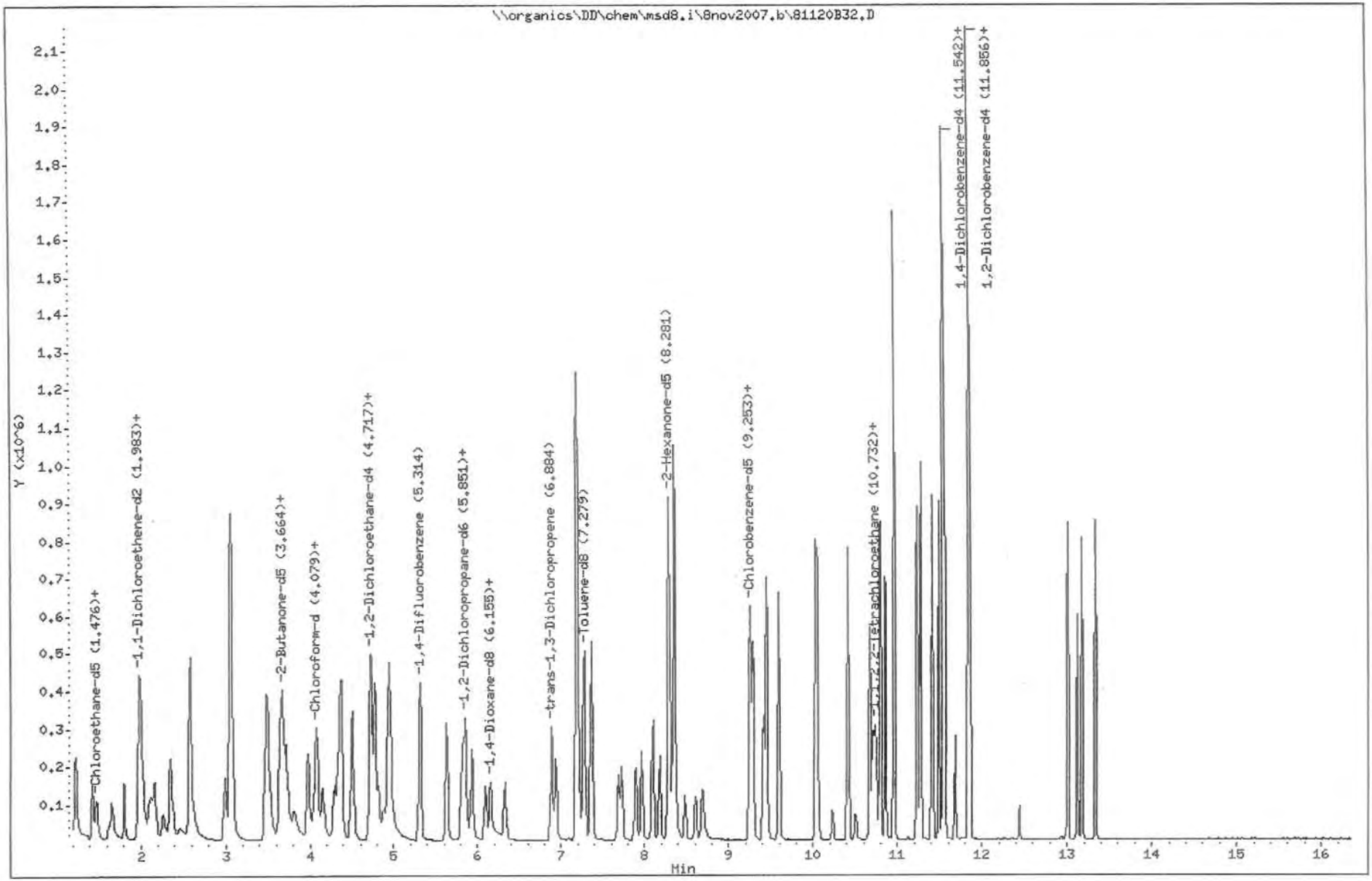
Name	Value	Description
DF	1.000	Dilution Factor
Vo	25.000	Purge Volume in ML
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.061	1.061	(0.200)	83589	5.00000	6.3465
	2 Chloromethane	50	1.152	1.152	(0.217)	130889	5.00000	5.1491
$	3 Vinyl Chloride-d3	65	1.223	1.223	(0.230)	45432	5.00000	5.6652
	4 Vinyl Chloride	62	1.233	1.233	(0.232)	143816	5.00000	6.1059
	5 Bromomethane	94	1.425	1.425	(0.268)	90615	5.00000	5.7317
$	6 Chloroethane-d5	69	1.466	1.466	(0.276)	55533	5.00000	5.6978
	7 Chloroethane	64	1.486	1.486	(0.280)	75149	5.00000	5.8199
	8 Trichlorofluoromethane	101	1.658	1.658	(0.312)	122357	5.00000	6.8040
$	12 1,1-Dichloroethene-d2	63	1.982	1.982	(0.373)	215345	5.00000	6.0331
	13 1,1-Dichloroethene	96	1.992	1.992	(0.375)	111325	5.00000	5.9245
	11 1,1,2-Trichloro-1,2,2-trifluo	101	1.992	1.992	(0.375)	85223	5.00000	5.2515
	14 Acetone	43	2.023	2.023	(0.381)	249514	50.0000	49.7524
	15 Carbon Disulfide	76	2.164	2.164	(0.407)	334102	5.00000	5.5240
	16 Methyl Acetate	43	2.266	2.266	(0.426)	86374	5.00000	5.3904
	17 Methylene Chloride	84	2.347	2.347	(0.442)	135952	5.00000	5.0685
	20 Methyl tert-Butyl Ether	73	2.580	2.580	(0.486)	322526	5.00000	5.4648
	21 trans-1,2-Dichloroethene	96	2.580	2.580	(0.486)	111074	5.00000	5.4734
	23 1,1-Dichloroethane	63	2.985	2.985	(0.562)	194794	5.00000	5.5138
$	25 2-Butanone-d5	46	3.633	3.633	(0.684)	477129	50.0000	54.8824
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	121558	5.00000	5.4514
	28 2-Butanone	43	3.714	3.714	(0.699)	479157	50.0000	53.2471
	29 Bromochloromethane	128	3.977	3.977	(0.748)	57435	5.00000	5.4202
$	30 Chloroform-d	84	4.058	4.058	(0.764)	206408	5.00000	5.5635
	31 Chloroform	83	4.088	4.088	(0.769)	194996	5.00000	5.6473

		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)	132954	5.00000	5.8759
	32	Cyclohexane	56	4.341	4.341	(0.469)	180413	5.00000	6.2289
	34	Carbon Tetrachloride	121	4.493	4.493	(0.486)	34740	5.00000	6.0314
$	38	1,2-Dichloroethane-d4	65	4.716	4.716	(0.888)	102662	5.00000	5.3811
$	36	Benzene-d6	84	4.726	4.726	(0.511)	451864	5.00000	5.3887
	37	Benzene	78	4.767	4.767	(0.515)	461536	5.00000	5.4840
	39	1,2-Dichloroethane	62	4.817	4.817	(0.907)	128005	5.00000	5.5617
*	41	1,4-Difluorobenzene	114	5.314	5.314	(1.000)	414124	5.00000	
	42	Trichloroethene	95	5.628	5.628	(0.608)	117756	5.00000	5.6794
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	150749	5.00000	5.4452
	43	Methylcyclohexane	83	5.850	5.850	(0.632)	202652	5.00000	6.2496
	45	1,2-Dichloropropane	63	5.931	5.931	(0.641)	113853	5.00000	5.4000
$	46	1,4-Dioxane-d8	96	6.154	6.154	(1.158)	33921	250.000	326.6312
	47	1,4-Dioxane	88	6.205	6.205	(1.168)	52567	250.000	313.6075
	49	Bromodichloromethane	83	6.326	6.326	(0.684)	110694	5.00000	4.7005
$	54	trans-1,3-Dichloropropene-d4	79	6.883	6.883	(0.744)	213910	5.00000	4.7146
	50	cis-1,3-Dichloropropene	75	6.934	6.934	(0.749)	150356	5.00000	4.8601
	51	4-Methyl-2-pentanone	43	7.187	7.187	(0.777)	1029062	50.0000	54.5610
$	52	Toluene-d8	98	7.278	7.278	(0.787)	403687	5.00000	5.5471
	53	Toluene	91	7.359	7.359	(0.795)	468775	5.00000	5.5718
	55	trans-1,3-Dichloropropene	75	7.724	7.724	(0.835)	130779	5.00000	4.7813
	56	1,1,2-Trichloroethane	97	7.967	7.967	(0.861)	93146	5.00000	5.4899
	57	Tetrachloroethene	164	8.098	8.098	(0.875)	88984	5.00000	5.8414
$	58	2-Hexanone-d5	63	8.281	8.281	(0.895)	465644	50.0000	55.2252
	60	2-Hexanone	43	8.351	8.351	(0.903)	780565	50.0000	54.2387
	61	Dibromochloromethane	129	8.483	8.483	(0.917)	72327	5.00000	4.1905
	62	1,2-Dibromoethane	107	8.605	8.605	(0.930)	92465	5.00000	5.3893
*	63	Chlorobenzene-d5	117	9.253	9.253	(1.000)	380764	5.00000	
	64	Chlorobenzene	112	9.283	9.283	(1.003)	314330	5.00000	5.3687
	65	Ethylbenzene	91	9.445	9.445	(1.021)	511778	5.00000	5.6859
	67	m+p-Xylenes	106	9.597	9.597	(1.037)	203113	5.00000	5.6505
	68	o-Xylene	106	10.032	10.032	(1.084)	202456	5.00000	5.6364
	69	Styrene	104	10.053	10.053	(1.086)	342560	5.00000	5.7854
	70	Bromoform	173	10.235	10.235	(0.886)	34850	5.00000	3.3556
	71	Isopropylbenzene	105	10.417	10.417	(1.126)	507554	5.00000	5.7820
$	72	1,1,2,2-Tetrachloroethane-d2	84	10.701	10.701	(1.156)	124042	5.00000	5.2755
	74	1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.160)	119628	5.00000	5.2111
	83	1,3-Dichlorobenzene	146	11.491	11.491	(0.995)	272547	5.00000	5.3484
*	85	1,4-Dichlorobenzene-d4	152	11.551	11.551	(1.000)	225886	5.00000	
	86	1,4-Dichlorobenzene	146	11.572	11.572	(1.002)	283249	5.00000	5.2692
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	171378	5.00000	5.3369
	89	1,2-Dichlorobenzene	146	11.855	11.855	(1.026)	272091	5.00000	5.4465
	90	1,2-Dibromo-3-chloropropane	75	12.432	12.432	(1.076)	16787	5.00000	4.2641
	91	1,2,4-Trichlorobenzene	180	13.010	13.010	(1.126)	203860	5.00000	5.2827
	94	1,2,3-Trichlorobenzene	180	13.334	13.334	(1.154)	184012	5.00000	5.1755
	19	tert-butyl alcohol	59	2.458	2.458	(0.463)	118931	50.0000	51.2744

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B32.D
Date : 20-NOV-2007 19:34
Client ID: VSTD005CO
Sample Info: 8nov2007.b, 8END1120
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A01.D

Date : 19-NOV-2007 06:49

Client ID: BFB19

Instrument: msd8.i

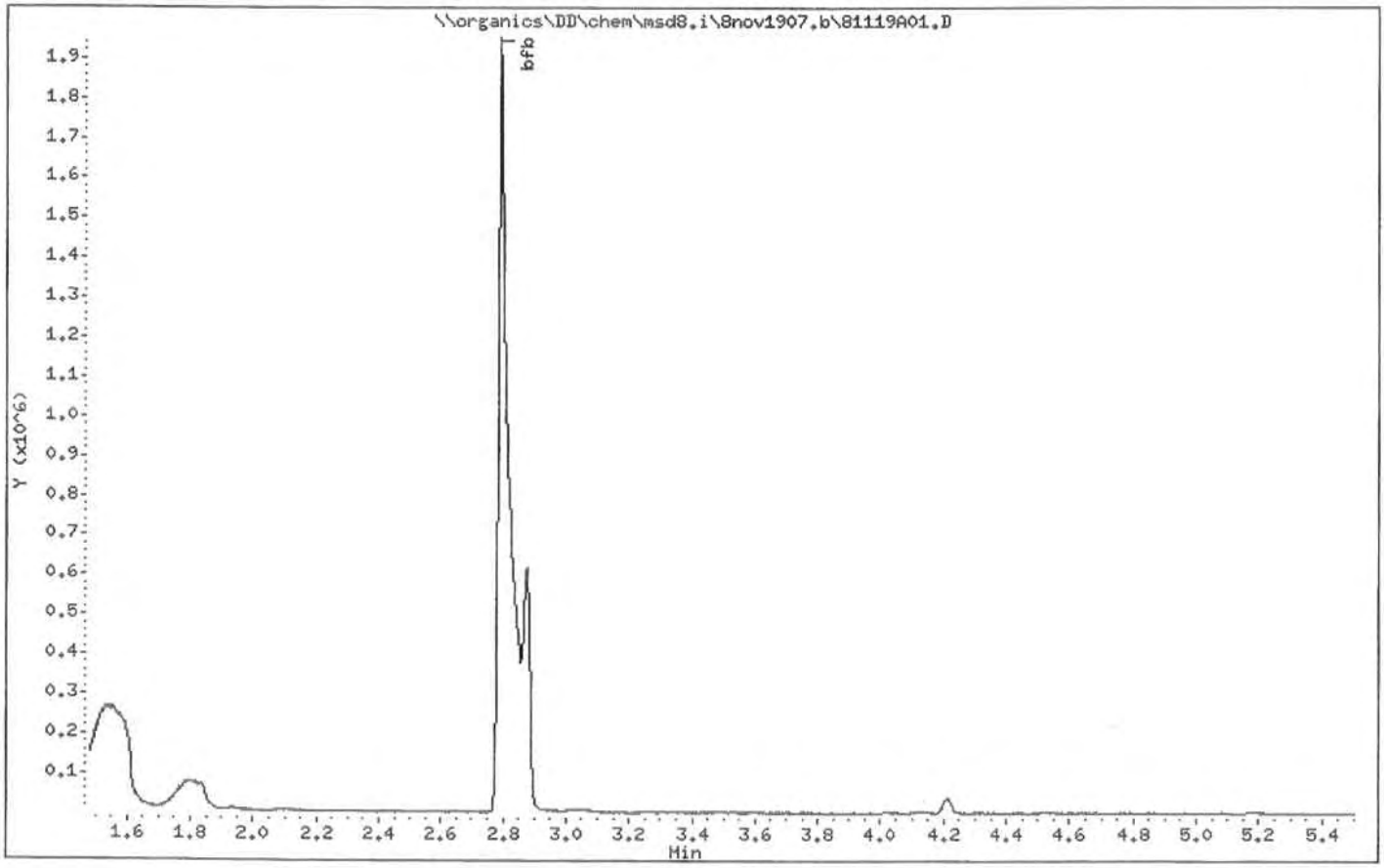
Sample Info: 8nov1907.b, BFB1119

Volume Injected (uL): 1.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



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Date : 19-NOV-2007 06:49

Client ID: BFB19

Instrument: msd8.i

Sample Info: 8nov1907.b, BFB1119

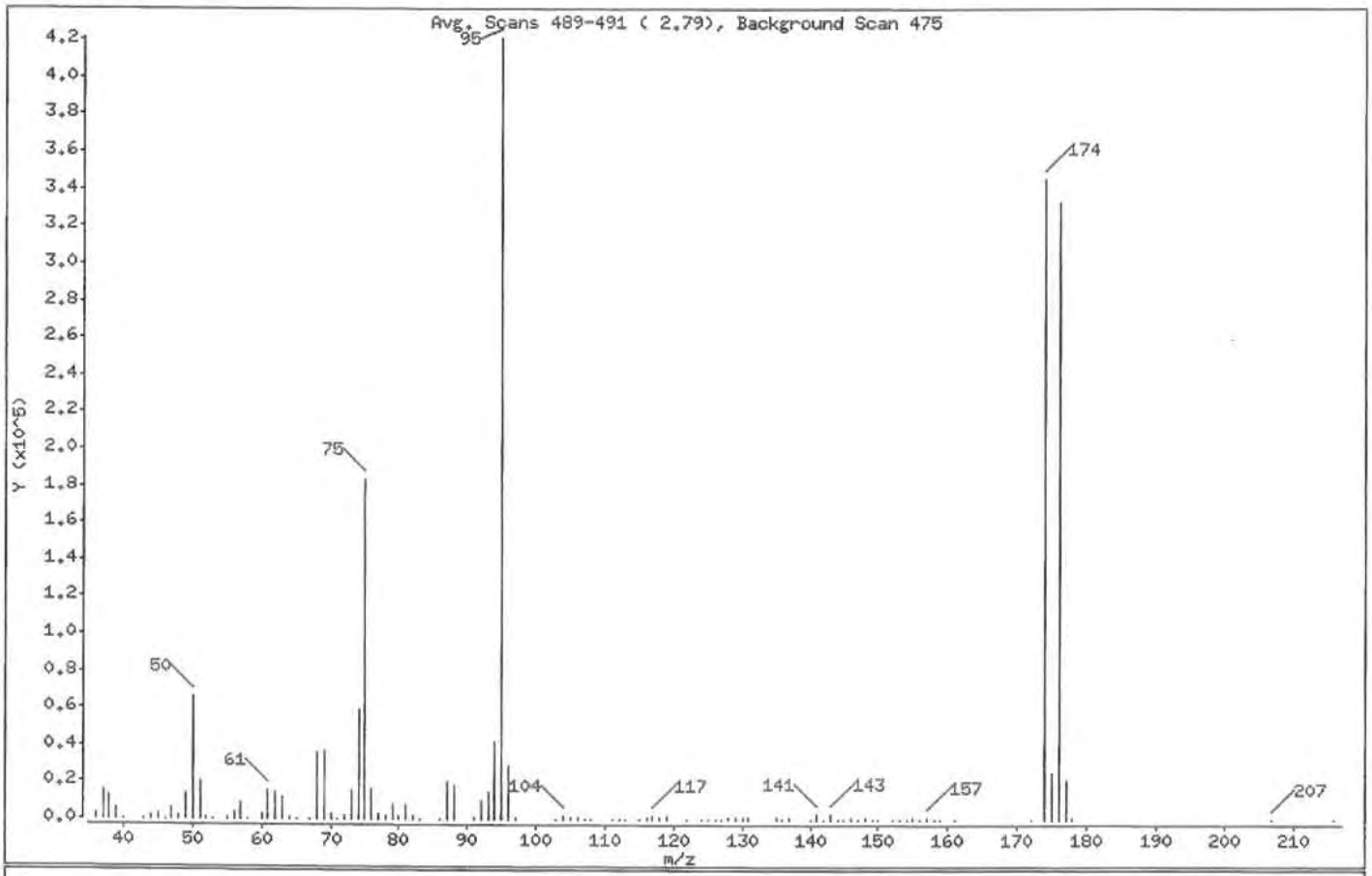
Volume Injected (uL): 1.0

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	15.74
75	30.00 - 80.00% of mass 95	43.56
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	82.09
175	5.00 - 9.00% of mass 174	6.04 (7.36)
176	95.00 - 101.00% of mass 174	79.14 (96.41)
177	5.00 - 9.00% of mass 176	5.10 (6.44)

Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A01.D

Date : 19-NOV-2007 06:49

Client ID: BFB19 Instrument: msd8.i

Sample Info: 8nov1907.b, BFB1119

Volume Injected (uL): 1.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

Data File: 81119A01.D
Spectrum: Avg. Scans 489-491 (2.79), Background Scan 475
Location of Maximum: 95.00
Number of points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2792	68.00	36184	104.00	1486	142.00	335
37.00	15136	69.00	37264	105.00	552	143.00	2992
38.00	12185	70.00	3057	106.00	1351	144.00	109
39.00	5553	71.00	71	107.00	396	145.00	276
40.00	35	72.00	1944	108.00	70	146.00	574
43.00	247	73.00	15174	111.00	198	147.00	273
44.00	1871	74.00	58912	112.00	157	148.00	961
45.00	2577	75.00	183488	113.00	208	149.00	262
46.00	129	76.00	16592	115.00	223	150.00	393
47.00	5819	77.00	2730	116.00	1166	152.00	102
48.00	1862	78.00	1627	117.00	1958	153.00	268
49.00	13576	79.00	7302	118.00	1109	154.00	308
50.00	66320	80.00	2353	119.00	1690	155.00	889
51.00	20472	81.00	7811	122.00	66	156.00	271
52.00	892	82.00	1459	124.00	256	157.00	633
53.00	58	83.00	252	125.00	77	158.00	405
55.00	942	86.00	423	126.00	213	159.00	294
56.00	4312	87.00	20392	127.00	128	161.00	434
57.00	8651	88.00	18824	128.00	1354	172.00	326
58.00	380	91.00	1130	129.00	740	174.00	345792
60.00	3201	92.00	9767	130.00	1417	175.00	25456
61.00	15293	93.00	14734	131.00	672	176.00	333376
62.00	15012	94.00	42184	135.00	591	177.00	21480
63.00	11336	95.00	421248	136.00	53	178.00	717
64.00	1165	96.00	29368	137.00	658	207.00	77
65.00	180	97.00	1109	140.00	167	216.00	76
67.00	267	103.00	166	141.00	3385		

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B04.D

Date : 20-NOV-2007 08:46

Client ID: BFB20

Instrument: msd8.i

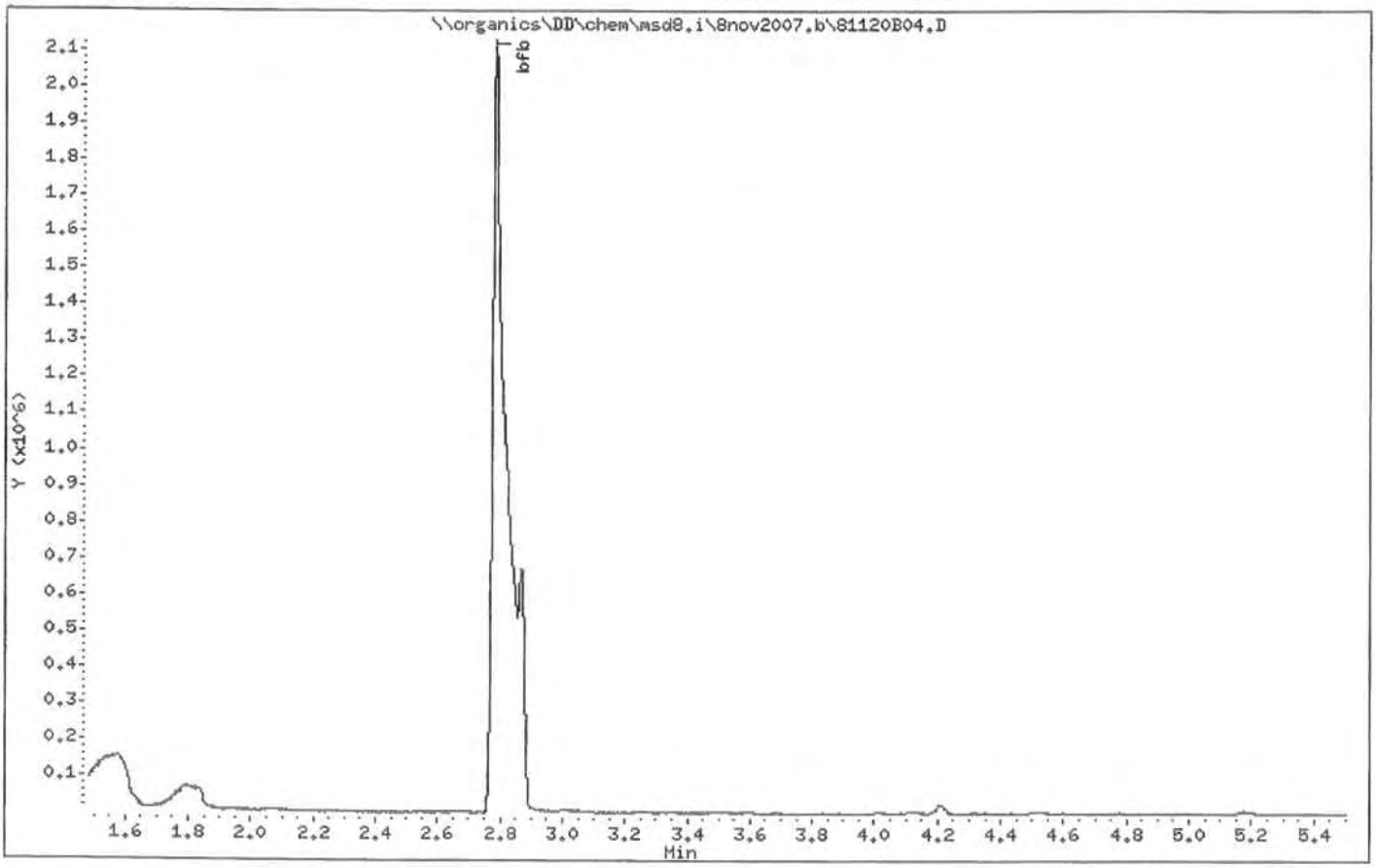
Sample Info: 8nov2007.b, BFB

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B04.D

Date : 20-NOV-2007 08:46

Client ID: BFB20

Instrument: msd8.i

Sample Info: 8nov2007.b, BFB

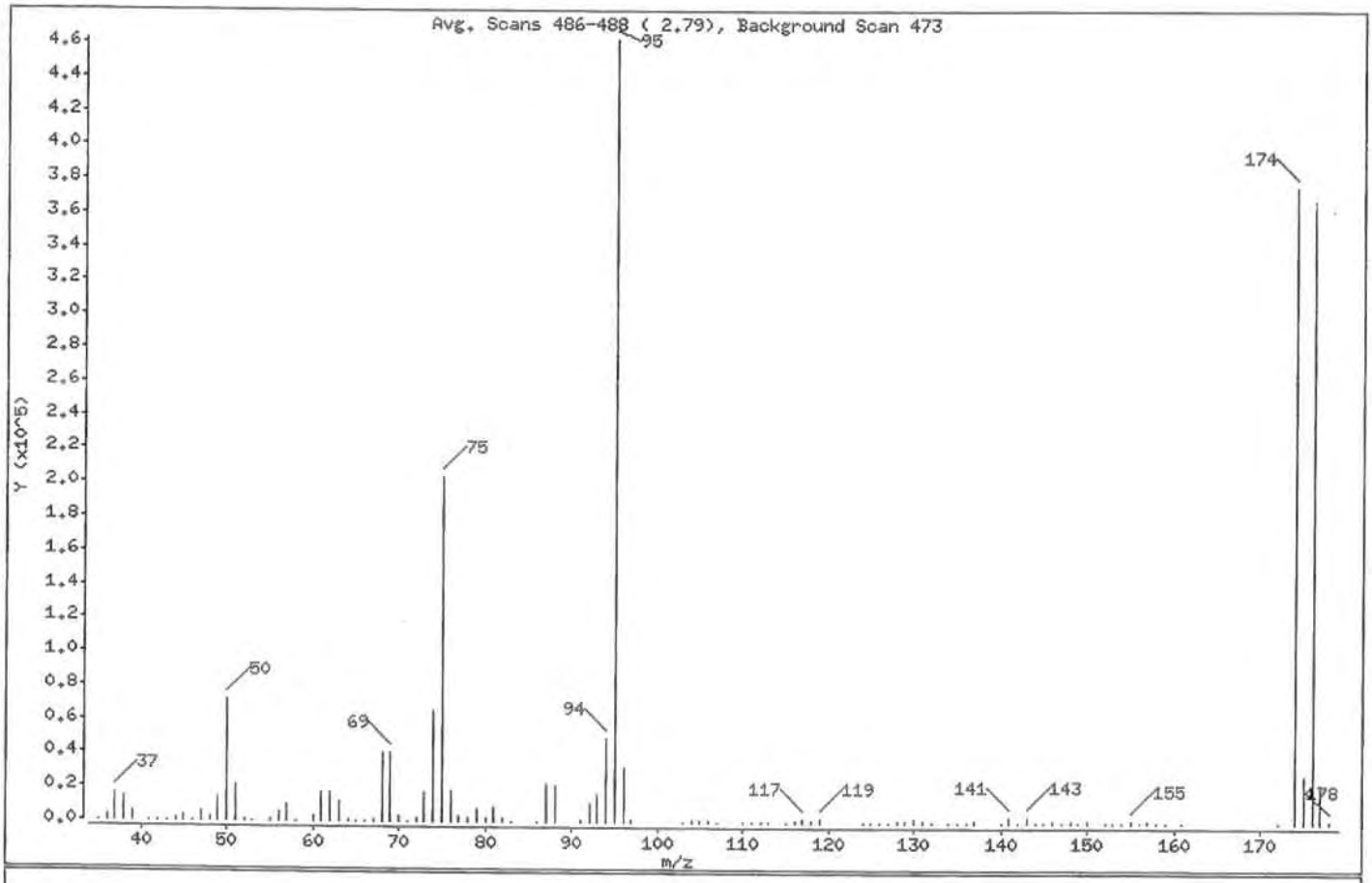
Volume Injected (uL): 2.0

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	15.54
75	30.00 - 80.00% of mass 95	44.03
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	81.27
175	5.00 - 9.00% of mass 174	6.03 (7.42)
176	95.00 - 101.00% of mass 174	79.75 (98.13)
177	5.00 - 9.00% of mass 176	5.07 (6.36)

Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B04.D

Date : 20-NOV-2007 08:46

Client ID: BFB20

Instrument: msd8.i

Sample Info: 8nov2007.b, BFB

Volume Injected (uL): 2.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18

Data File: 81120B04.D
Spectrum: Avg. Scans 486-488 (2.79), Background Scan 473
Location of Maximum: 95.00
Number of points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	67	66.00	82	103.00	171	141.00	2930
36.00	2776	67.00	701	104.00	1501	142.00	473
37.00	16291	68.00	40624	105.00	539	143.00	3088
38.00	14285	69.00	40936	106.00	1191	144.00	250
39.00	5622	70.00	3508	107.00	475	145.00	330
41.00	1	71.00	132	110.00	123	146.00	547
42.00	111	72.00	2020	111.00	187	147.00	135
43.00	99	73.00	17336	112.00	145	148.00	852
44.00	1219	74.00	64680	113.00	330	149.00	96
45.00	2941	75.00	203456	115.00	479	150.00	552
46.00	104	76.00	17752	116.00	1133	152.00	263
47.00	5718	77.00	2951	117.00	1992	153.00	363
48.00	2223	78.00	2054	118.00	1265	154.00	138
49.00	14203	79.00	7844	119.00	1865	155.00	793
50.00	71816	80.00	2443	124.00	291	156.00	465
51.00	21800	81.00	8217	125.00	63	157.00	722
52.00	1150	82.00	1716	126.00	258	158.00	157
53.00	65	83.00	166	127.00	56	159.00	471
55.00	1003	86.00	234	128.00	1351	161.00	363
56.00	5137	87.00	22536	129.00	633	172.00	253
57.00	9529	88.00	21224	130.00	1622	174.00	375552
58.00	520	91.00	1219	131.00	690	175.00	27864
60.00	3321	92.00	11085	132.00	63	176.00	368512
61.00	16928	93.00	15788	134.00	62	177.00	23424
62.00	16920	94.00	48888	135.00	491	178.00	745
63.00	12033	95.00	462080	136.00	51		
64.00	1202	96.00	32152	137.00	536		
65.00	204	97.00	952	140.00	219		

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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	0.058	J
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	0.34	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	0.099	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

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A10.D
Lab Smp Id: 8VBLK19 Client Smp ID: VBLK19
Inj Date : 19-NOV-2007 11:32
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VBLK
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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	Compound Not Detected.					
$	3 Vinyl Chloride-d3	65	1.222	1.223	(0.230)	47662	5.50386	5.5038
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	46678	4.43518	4.4351
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	12 1,1-Dichloroethene-d2	63	1.972	1.982	(0.371)	138340	3.58916	3.5891
	13 1,1-Dichloroethene	96	1.982	1.992	(0.373)	1176	0.05796	0.0579(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	2.347	(0.442)	9929	0.34280	0.3427(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	3.633	(0.684)	626240	66.7080	66.7079
	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)	179385	4.47525	4.4752
	31 Chloroform	83	4.088	4.088	(0.769)	3683	0.09878	0.0987(aQ)
	33 1,1,1-Trichloroethane	97	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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)	104844	5.08917	5.0891
$	36	Benzene-d6	84	4.716	4.716	(0.510)	402243	4.55972	4.5597
	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)	447189	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	127371	4.37318	4.3731
	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)	34867	310.916	310.9159
	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)	228549	4.78810	4.7880
	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)	336529	4.39560	4.3955
	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	8.281	(0.895)	553768	62.4278	62.4278
	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	9.252	9.253	(1.000)	400580	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)	118874	4.80566	4.8056
	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)	219221	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	153004	4.90958	4.9095
	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.

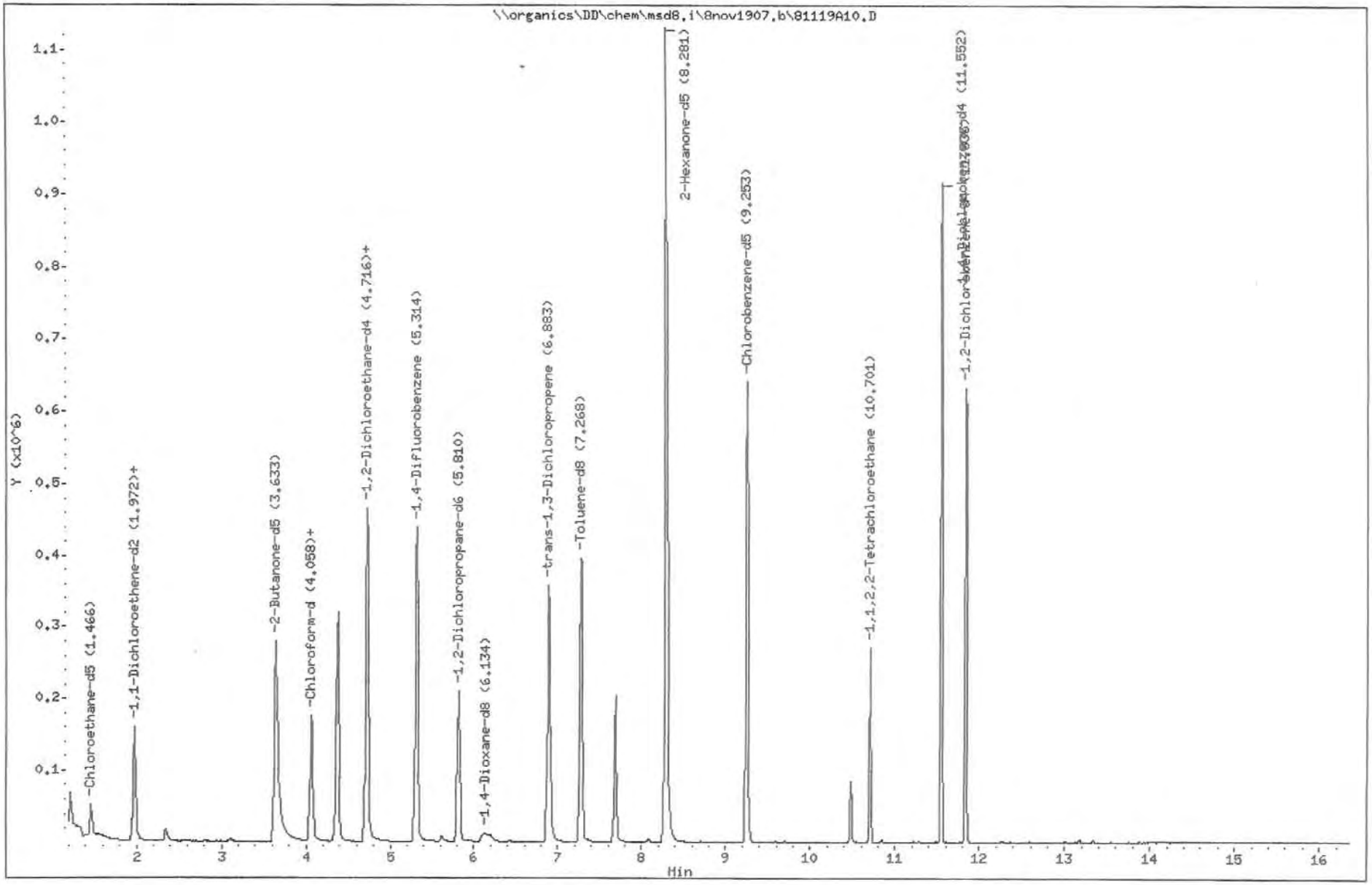
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov1907.b\81119A10.D
Lab Smp Id: 8VBLK19 Client Smp ID: VBLK19
Inj Date : 19-NOV-2007 11:32
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov1907.b, VBLK
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov1907.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:22 srw Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.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\8nov1907.b\81119A10.D
Date : 19-NOV-2007 11:32
Client ID: VBLK19
Sample Info: 8nov1907.b, VBLK
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A10.D

Date : 19-NOV-2007 11:32

Client ID: VBLK19

Instrument: msd8.i

Sample Info: 8nov1907.b, VBLK

Purge Volume: 25.0

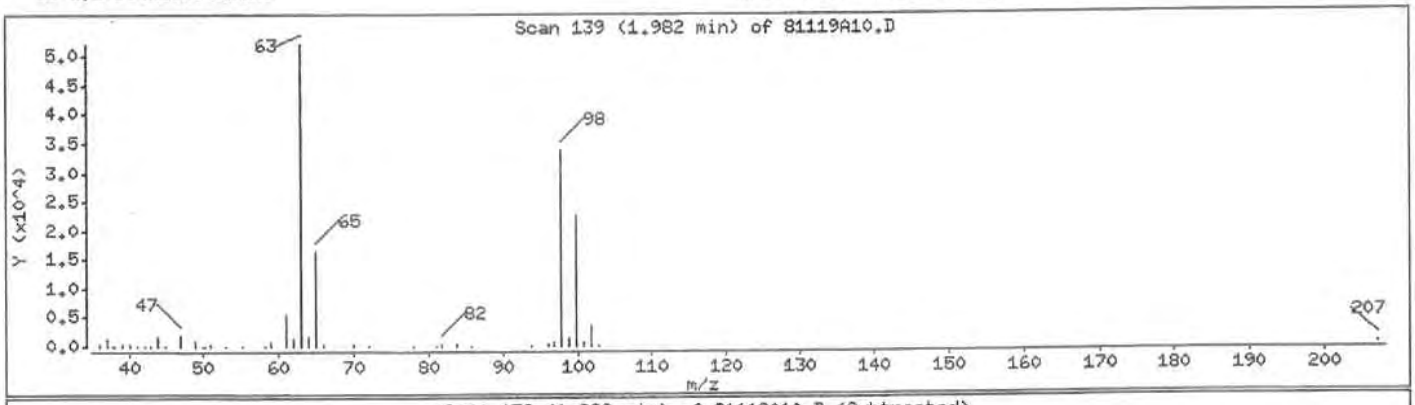
Operator: DLB

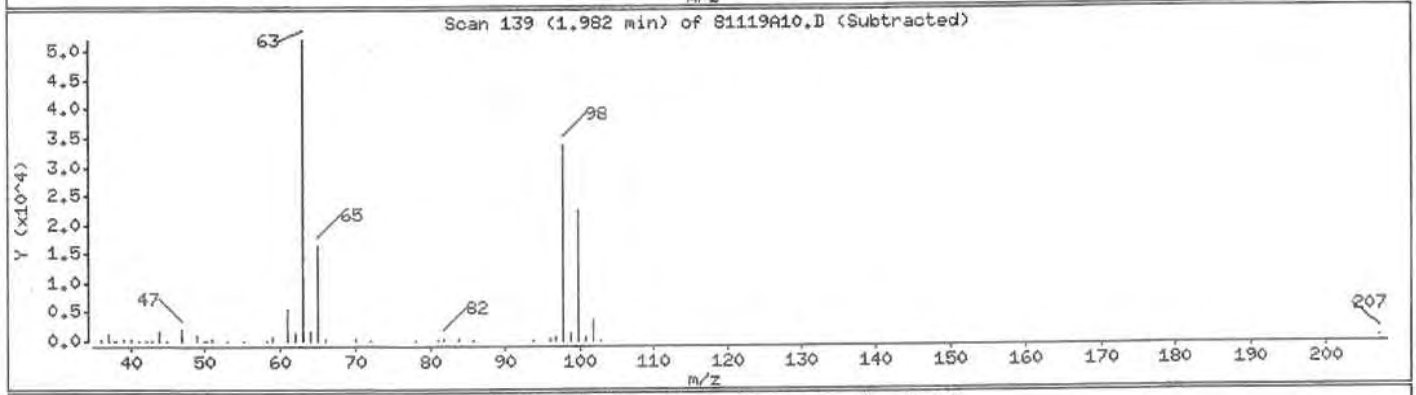
Column phase: DB-624

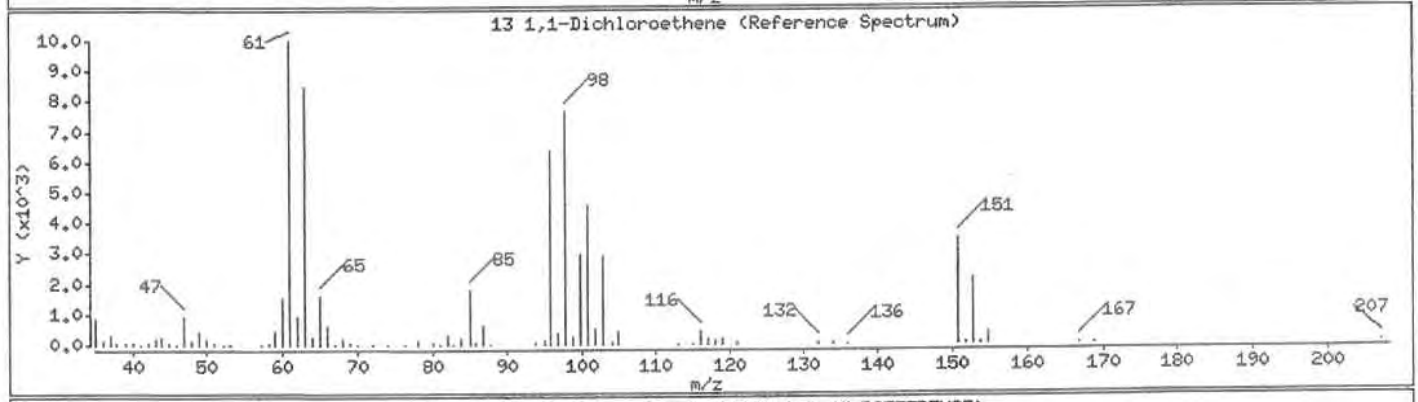
Column diameter: 0.18

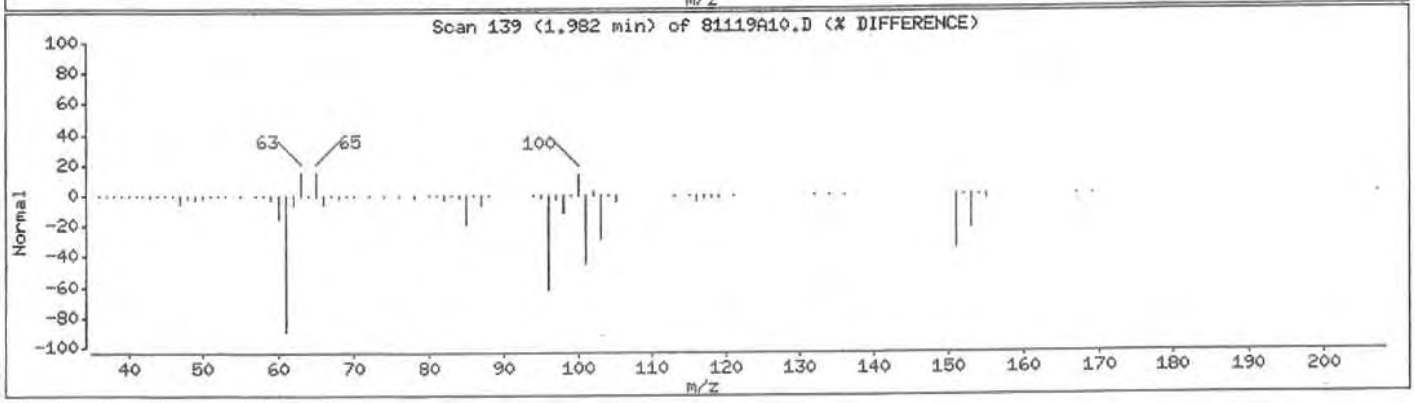
13 1,1-Dichloroethene

Concentration: 0.0579 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A10.D

Date : 19-NOV-2007 11:32

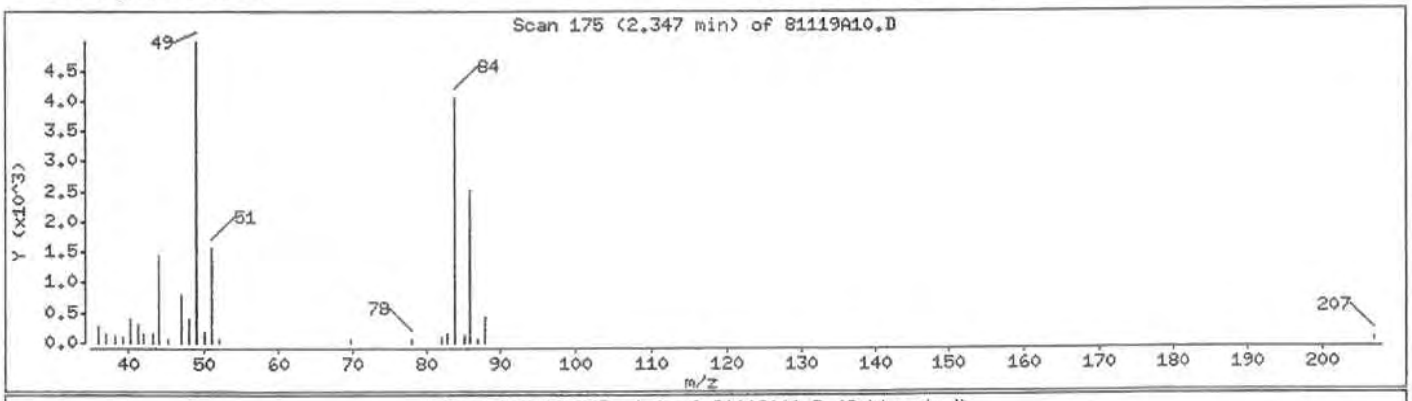
Client ID: VBLK19 Instrument: msd8.i

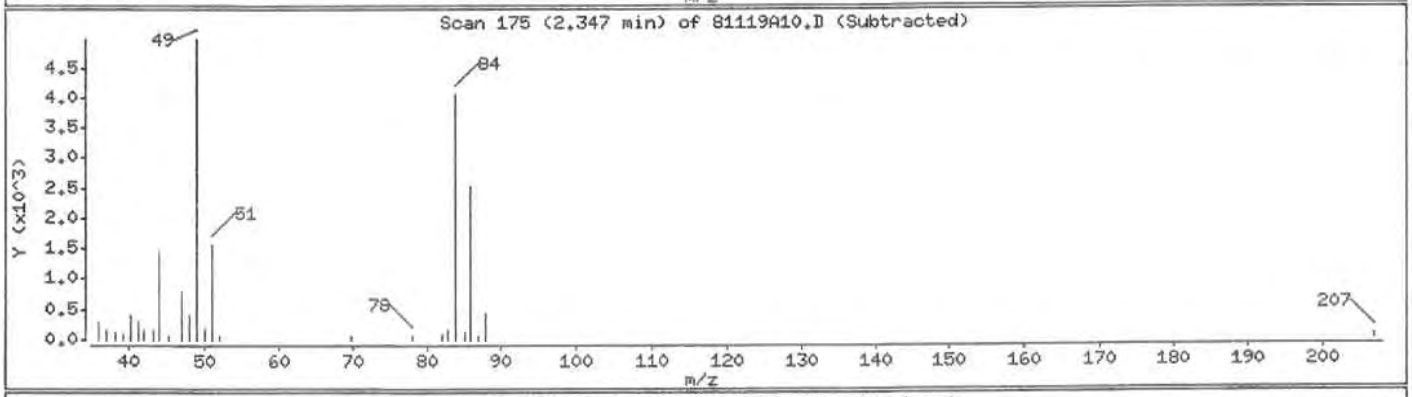
Sample Info: 8nov1907.b, VBLK

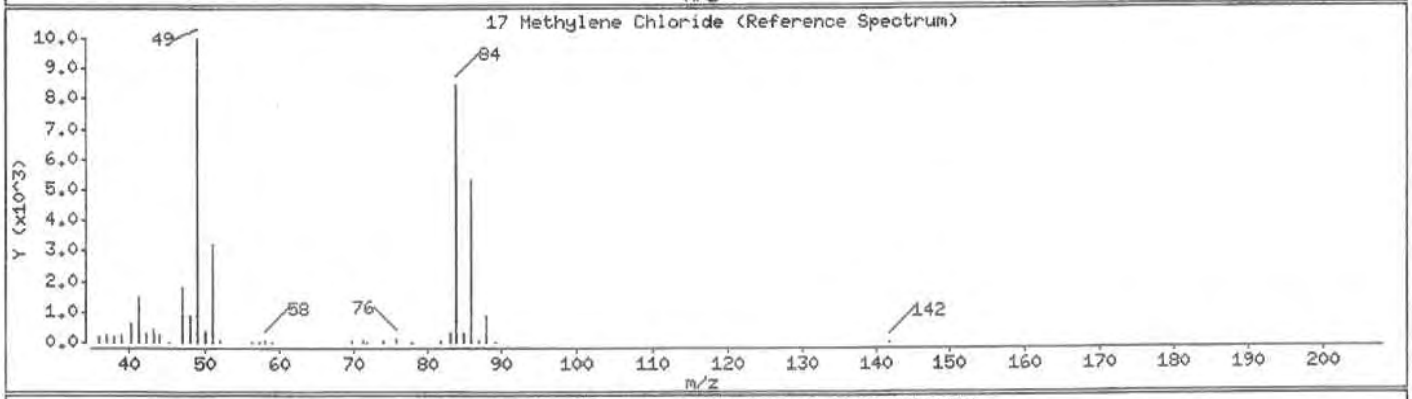
Purge Volume: 25.0 Operator: DLB

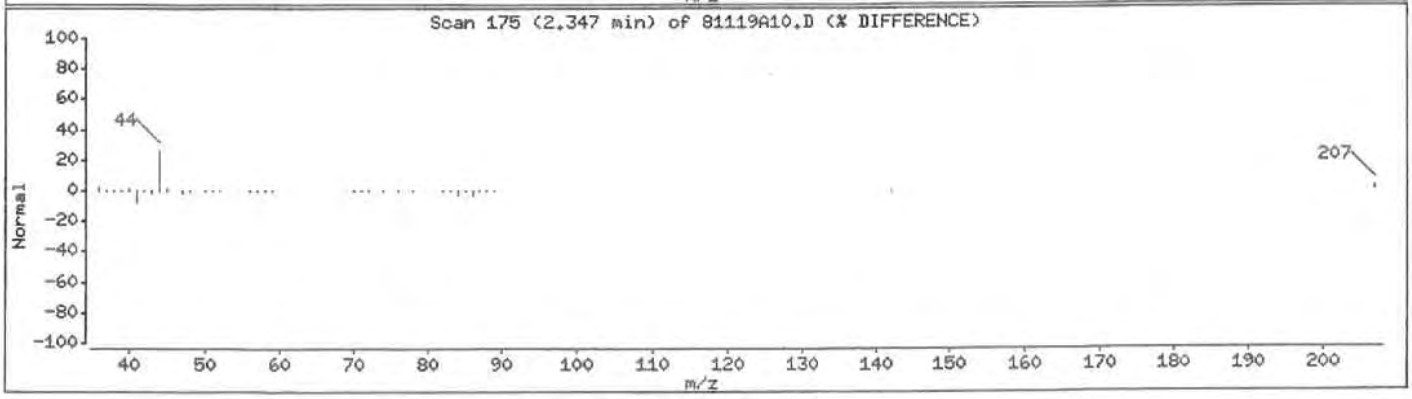
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3427 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov1907.b\81119A10.D

Date : 19-NOV-2007 11:32

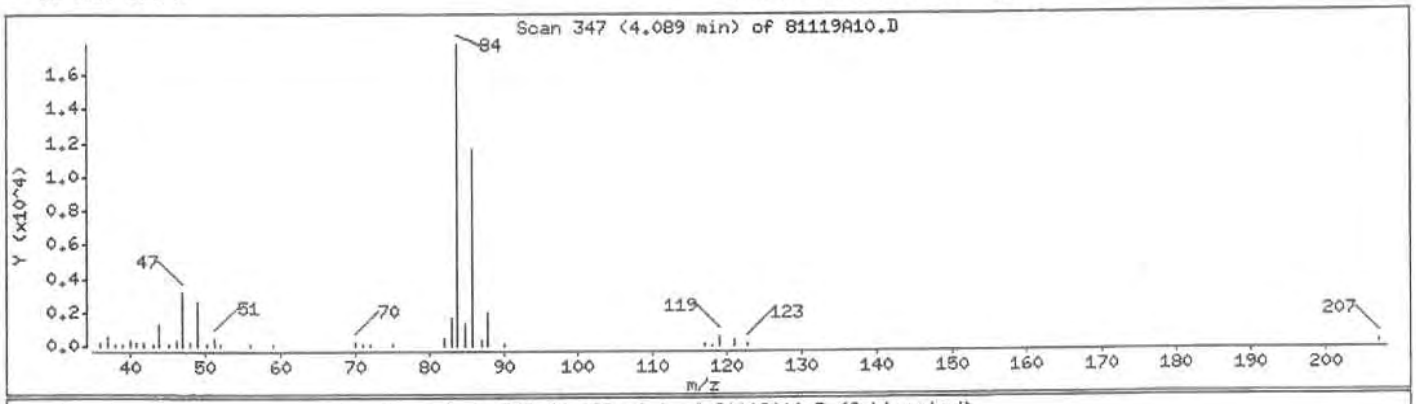
Client ID: VBLK19 Instrument: msd8.i

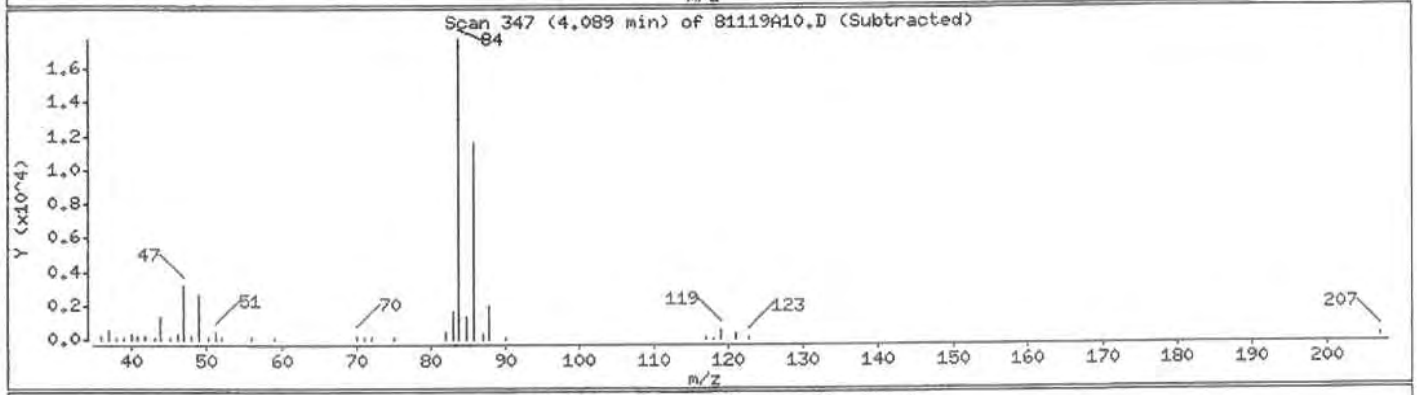
Sample Info: 8nov1907.b, VBLK

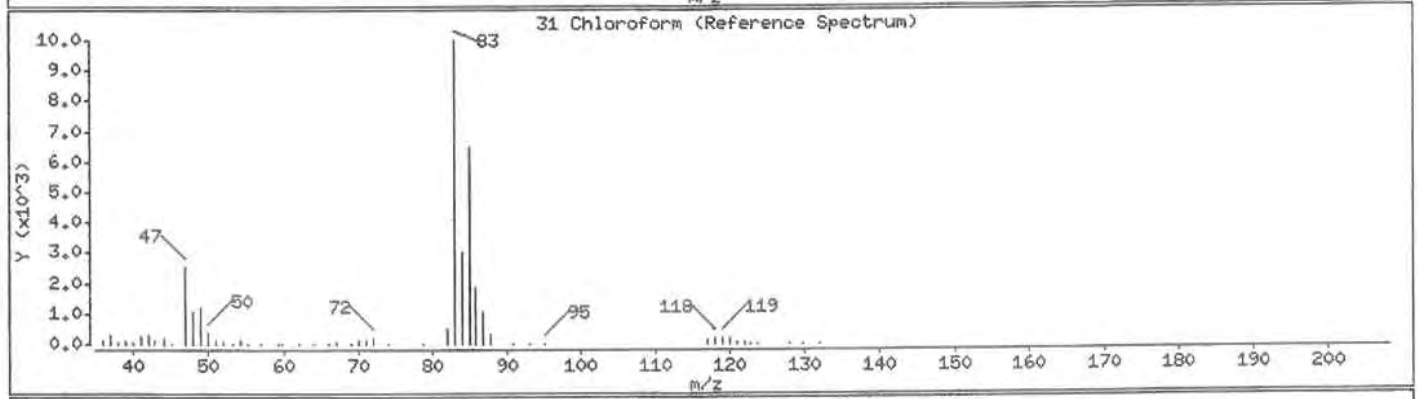
Purge Volume: 25.0 Operator: DLB

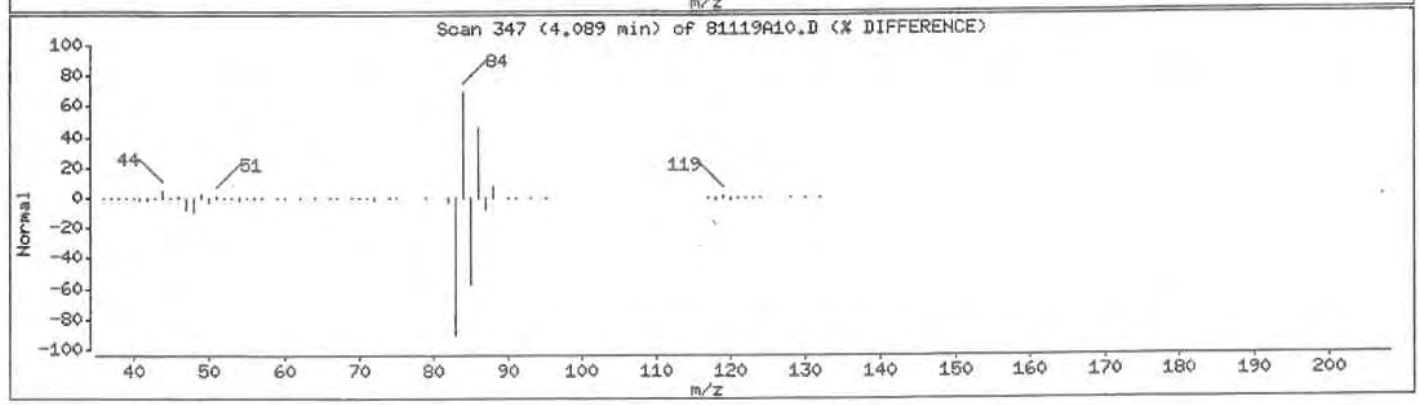
Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0987 ug/L









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

EPA SAMPLE NO.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.34	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	0.063	J
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	0.33	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	0.10	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

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

EPA SAMPLE NO.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D
Lab Smp Id: BLK Client Smp ID: VBLK20
Inj Date : 20-NOV-2007 09:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, BLK
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 4 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)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	1.152	1.152	(0.217)	9618	0.33766	0.3376(a)
$ 3	Vinyl Chloride-d3	65	1.222	1.223	(0.230)	53271	5.92804	5.9280
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	44808	4.10280	4.1027
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 12	1,1-Dichloroethene-d2	63	1.972	1.972	(0.371)	146207	3.65543	3.6554
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	1325	0.06293	0.0629(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.022	2.023	(0.381)	5262	0.93634	0.9363(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)	9912	0.32978	0.3297(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	3.633	(0.684)	561925	57.6821	57.6820
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)	185047	4.44876	4.4487
31	Chloroform	83	4.088	4.088	(0.769)	3855	0.09963	0.0996(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)	110066	5.14851	5.1485
$	36	Benzene-d6	84	4.716	4.716	(0.510)	418876	4.62289	4.6228
	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)	464051	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	131278	4.38831	4.3883
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.124	6.144	(1.152)	34615	297.453	297.4528
	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)	227614	4.64260	4.6425
	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)	350827	4.46136	4.4613
	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	8.281	(0.895)	519585	57.0277	57.0276
	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)	411444	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)	124592	4.90382	4.9038
	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)	227029	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	158353	4.90646	4.9064
	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.

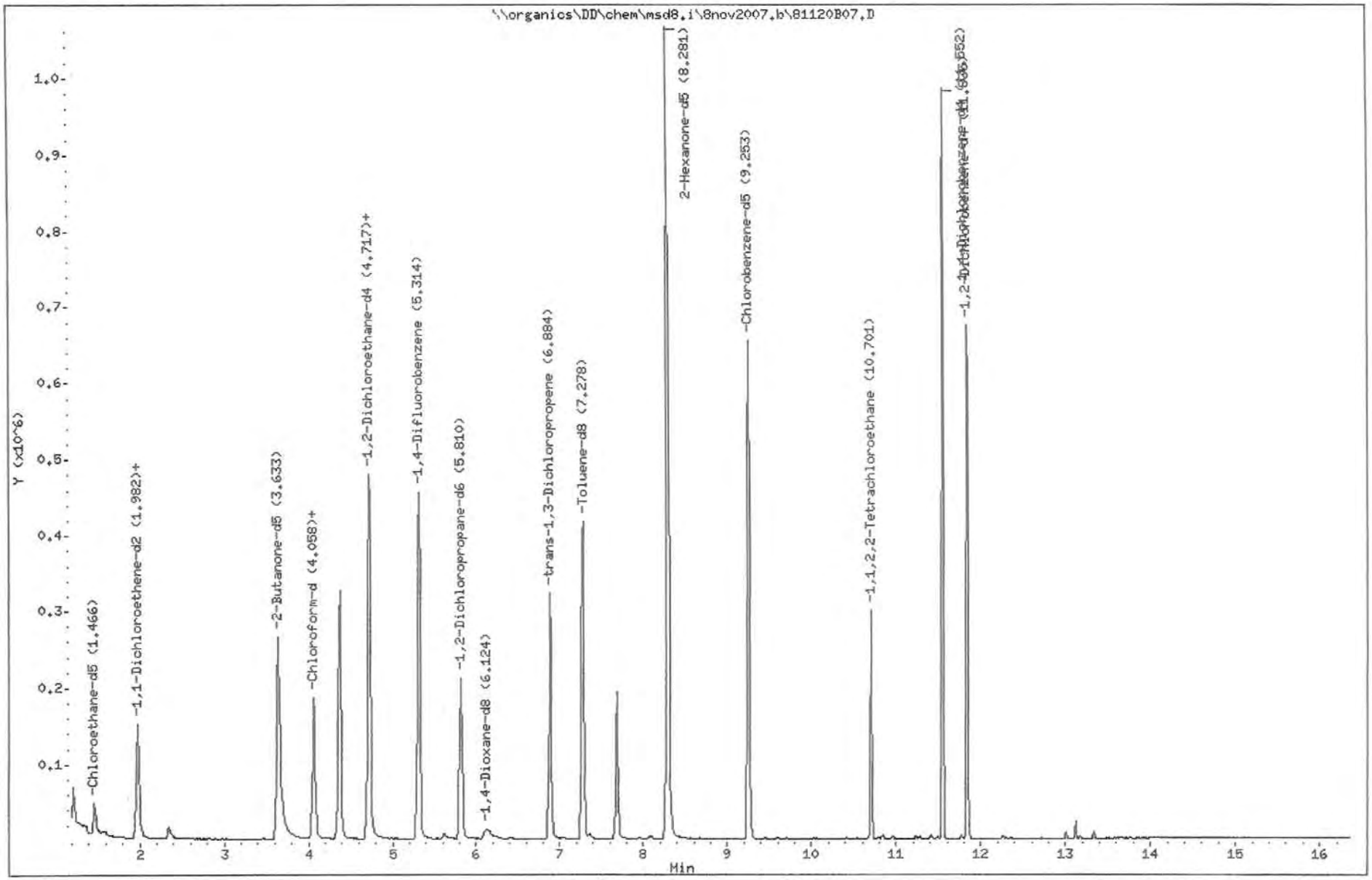
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D
Lab Smp Id: BLK Client Smp ID: VBLK20
Inj Date : 20-NOV-2007 09:54
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, BLK
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 4 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\8nov2007.b\81120B07.D
Date : 20-NOV-2007 09:54
Client ID: VBLK20
Sample Info: 8nov2007.b, BLK
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D

Date : 20-NOV-2007 09:54

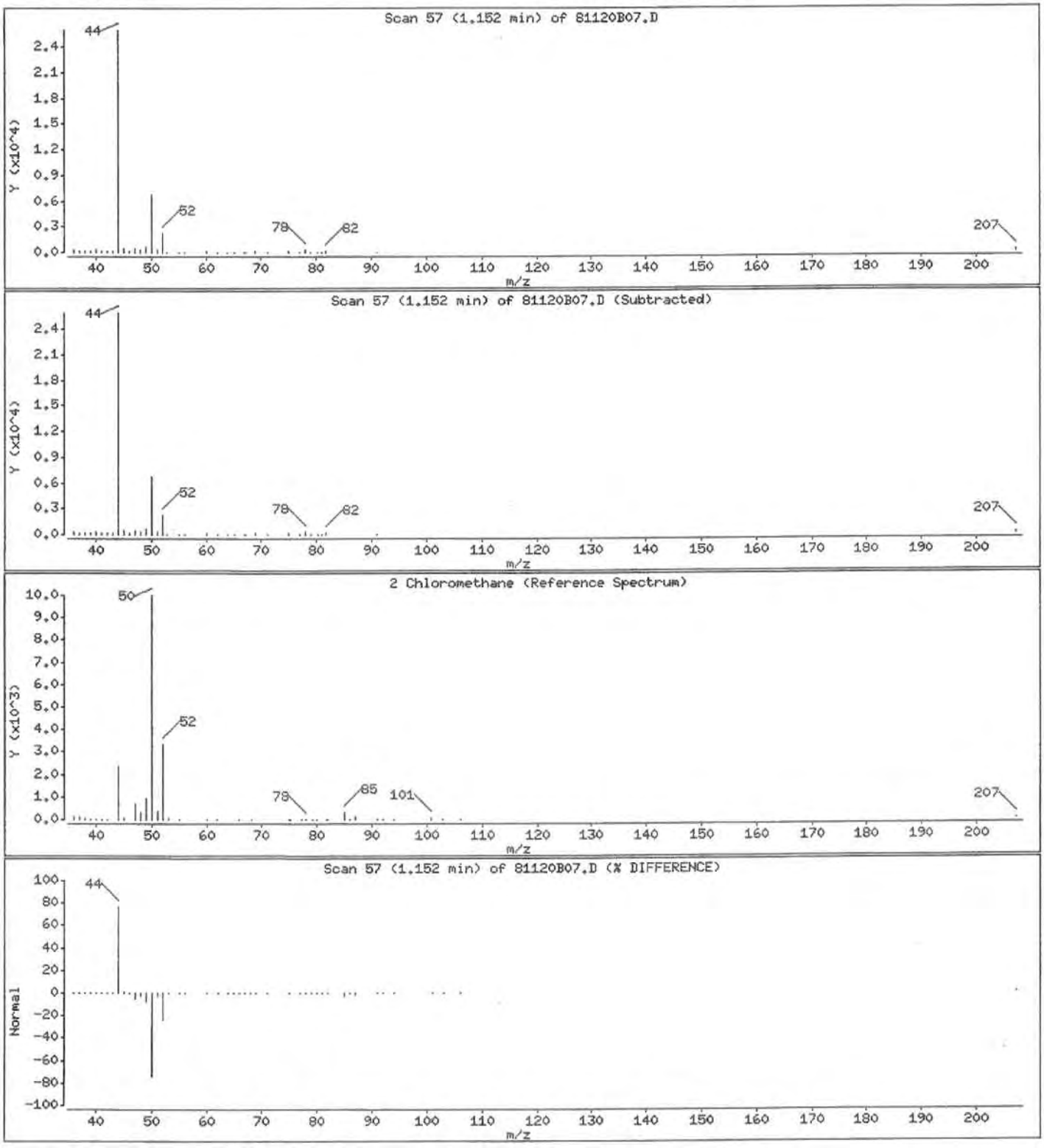
Client ID: VBLK20 Instrument: msd8.i

Sample Info: 8nov2007.b, BLK

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

2 Chloromethane Concentration: 0.3376 ug/L



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Date : 20-NOV-2007 09:54

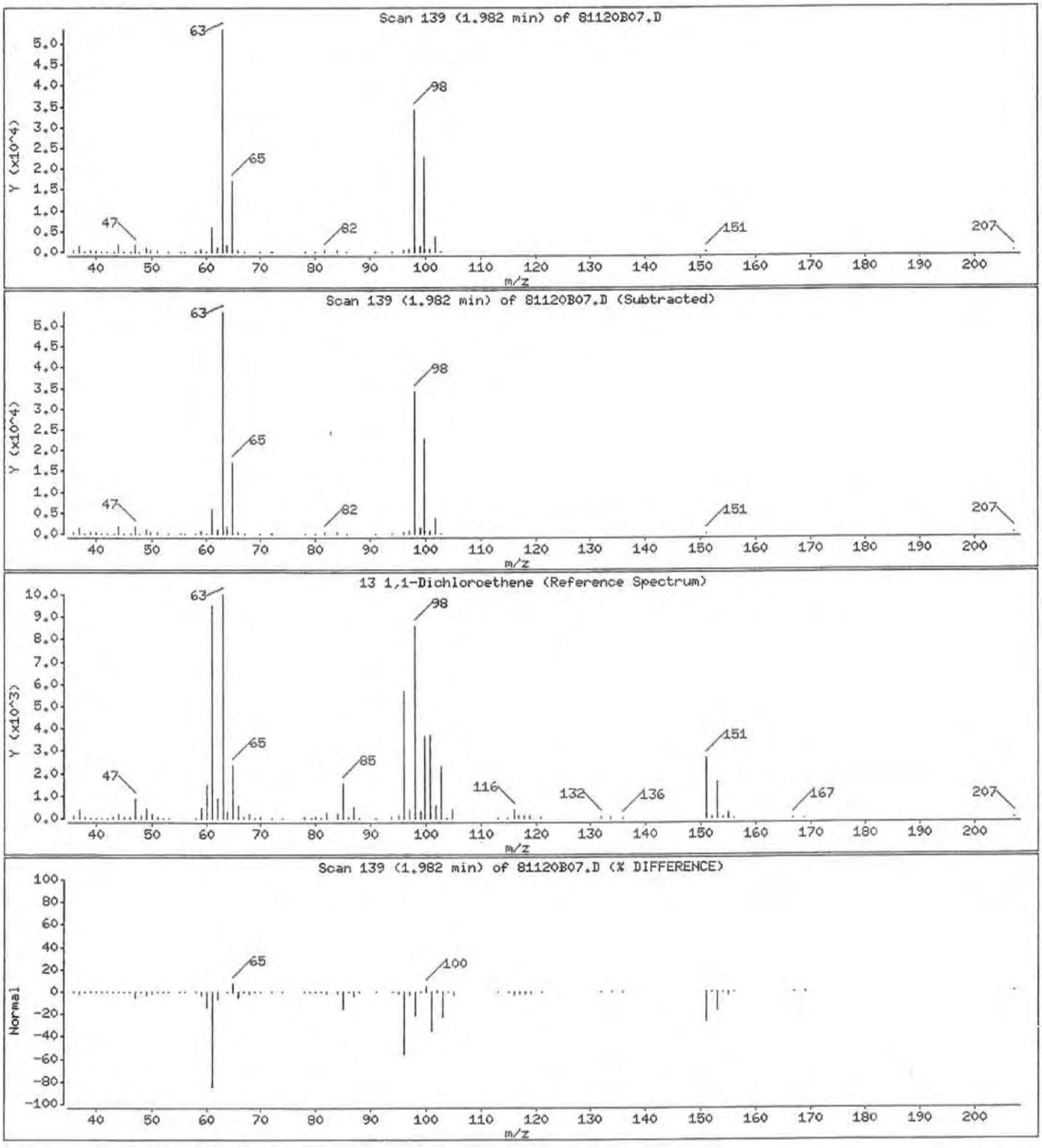
Client ID: VBLK20 Instrument: msd8.i

Sample Info: 8nov2007.b, BLK

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0629 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D

Date : 20-NOV-2007 09:54

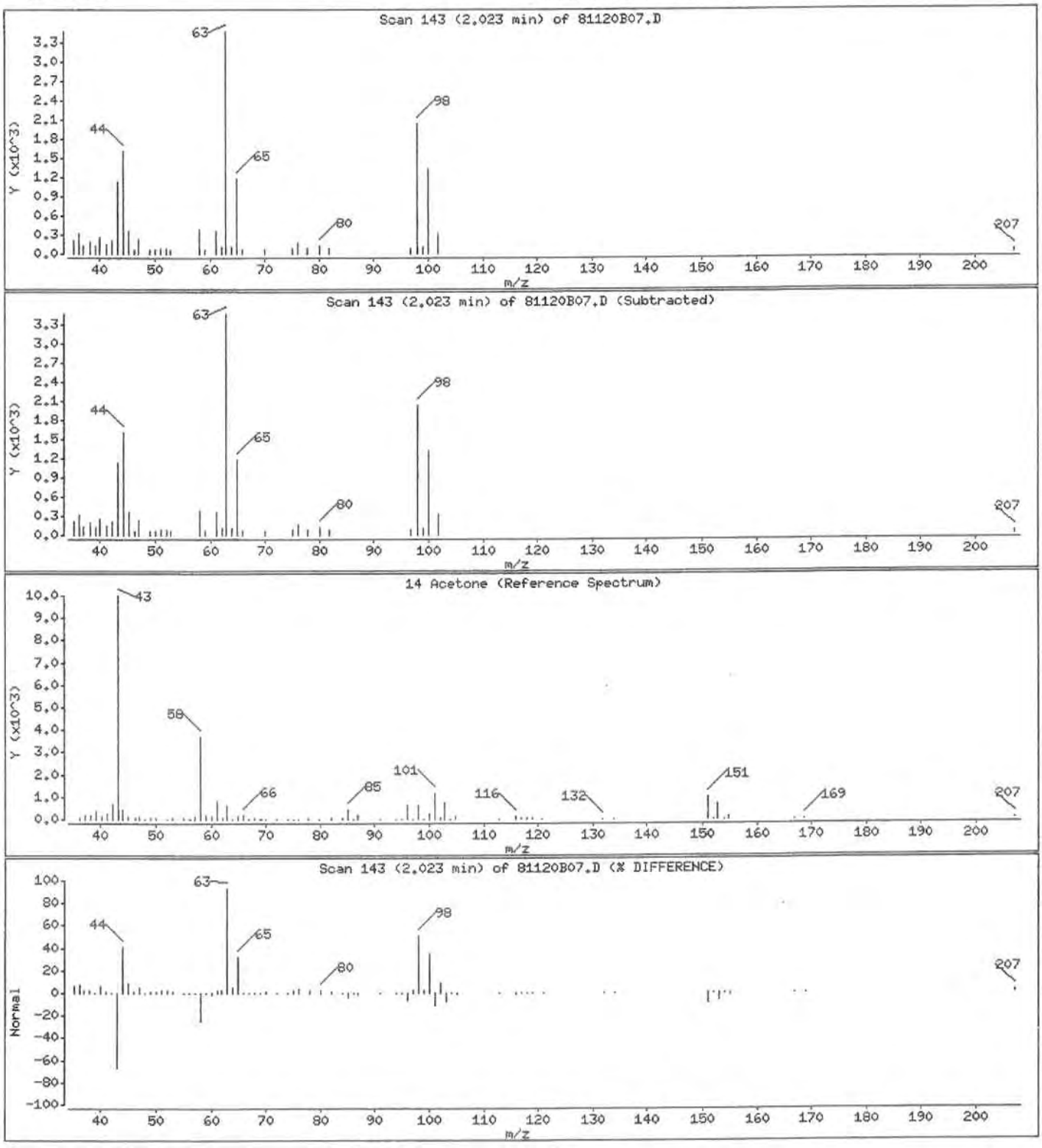
Client ID: VBLK20 Instrument: msd8.i

Sample Info: 8nov2007.b, BLK

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

14 Acetone Concentration: 0.9363 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D

Date : 20-NOV-2007 09:54

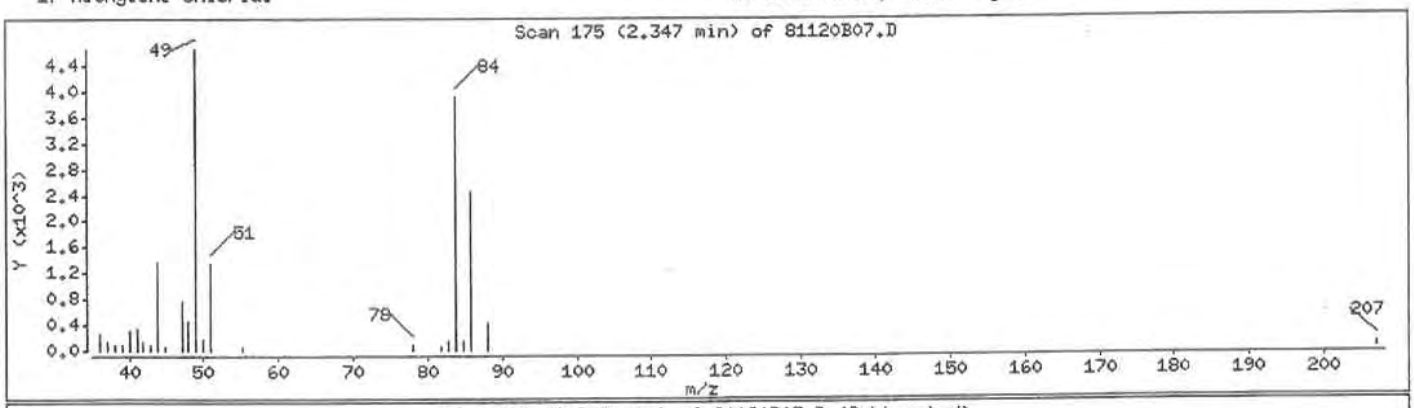
Client ID: VBLK20 Instrument: msd8.i

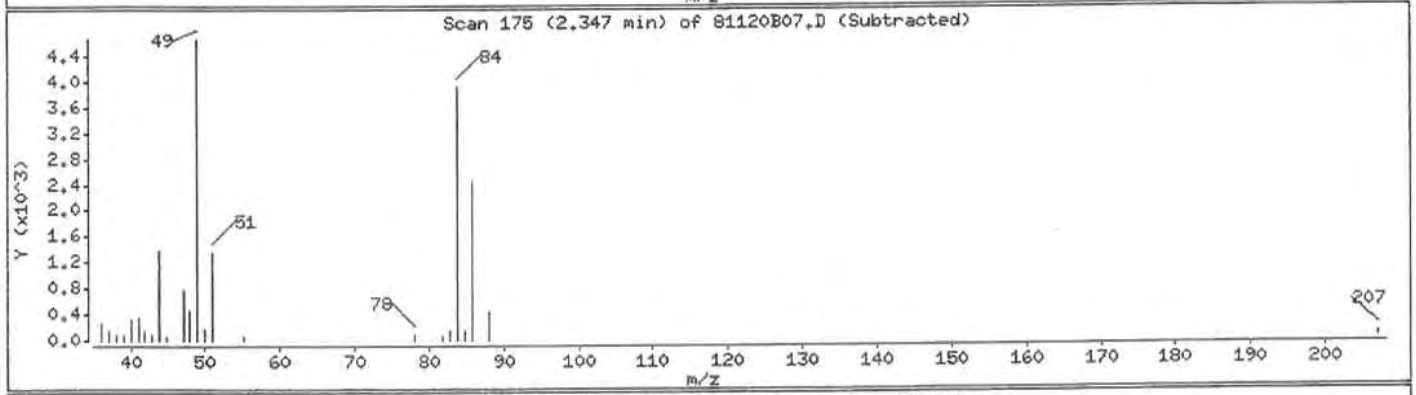
Sample Info: 8nov2007.b, BLK

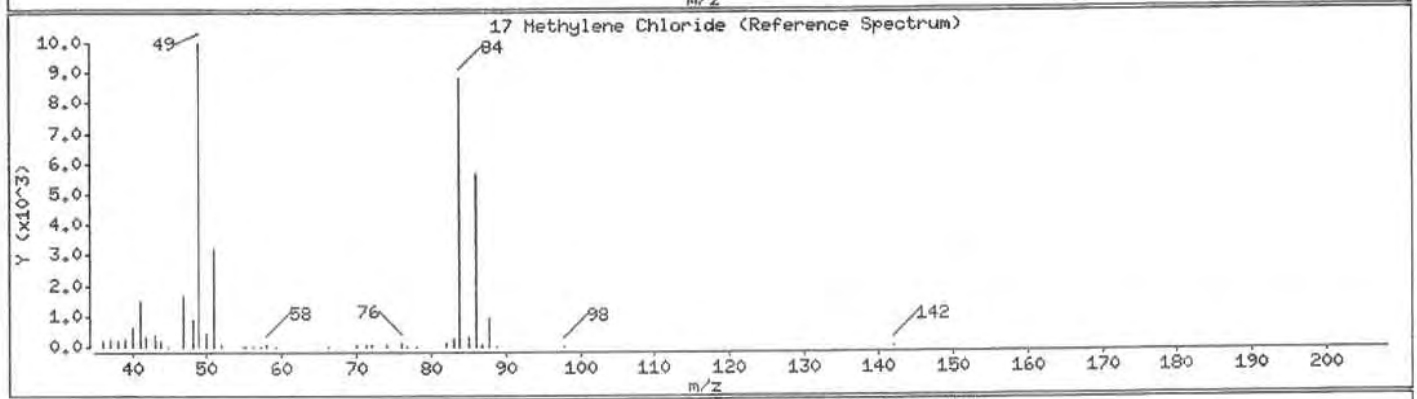
Purge Volume: 25.0 Operator: DLB

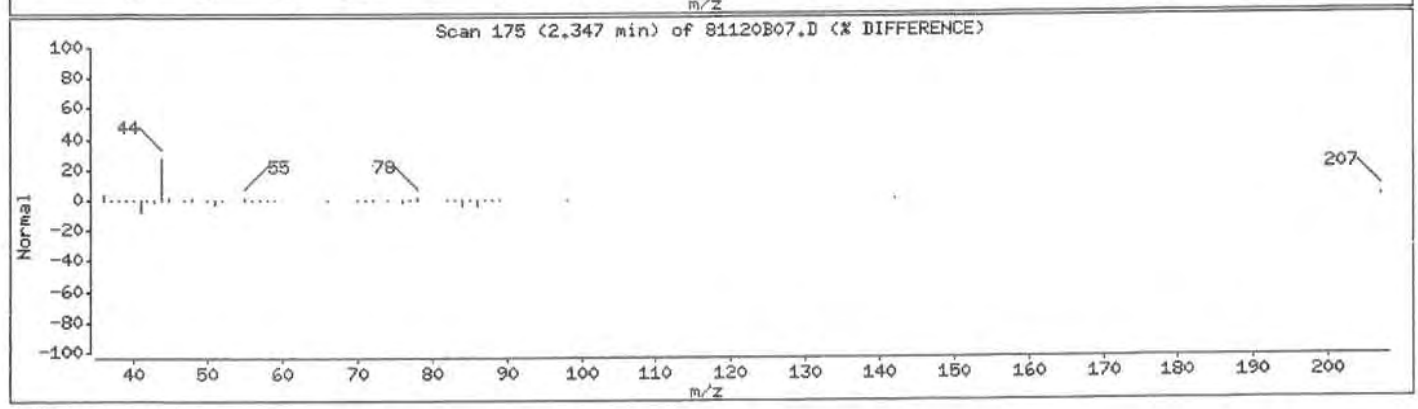
Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3297 ug/L









Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B07.D

Date : 20-NOV-2007 09:54

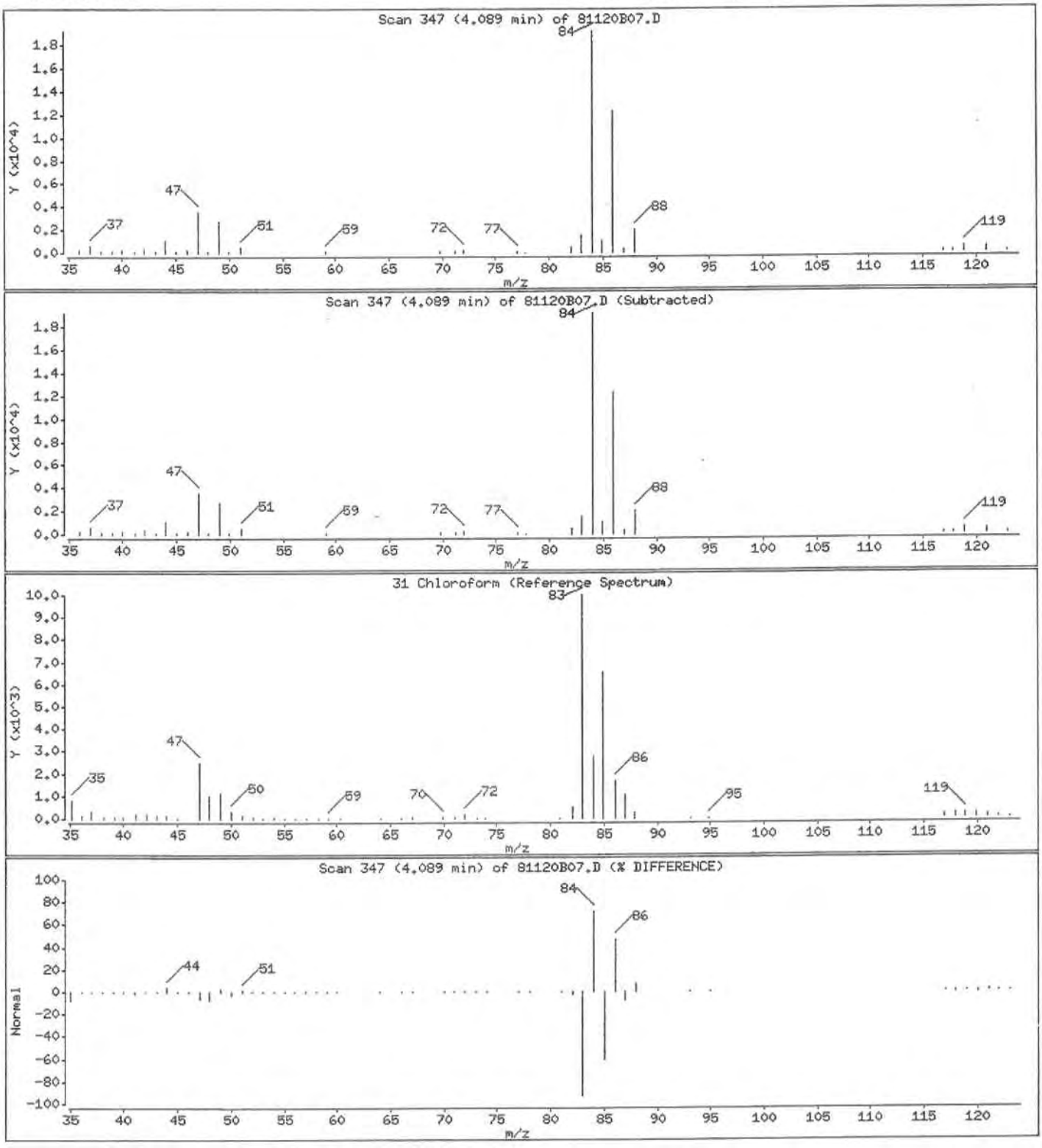
Client ID: VBLK20 Instrument: msd8.i

Sample Info: 8nov2007.b, BLK

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.0996 ug/L



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

EPA SAMPLE NO.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.099	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	0.40	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	0.11	JB
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	0.051	J
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.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.085	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.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D
Lab Smp Id: IK15003-008 Client Smp ID: VHBLK33
Inj Date : 20-NOV-2007 18:51
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 26
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)	CONCENTRATIONS 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)	60902	7.91146	7.9114(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	71636	7.65703	7.6570(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)	170573	4.97835	4.9783
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	1778	0.09857	0.0985(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	2.347	2.347	(0.442)	10193	0.39588	0.3958(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	3.633	(0.684)	463490	55.5402	55.5401
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)	199642	5.60290	5.6029
31	Chloroform	83	4.078	4.088	(0.768)	3618	0.10916	0.1091(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)	102695	5.60767	5.6076
$	36	Benzene-d6	84	4.716	4.716	(0.510)	452277	5.64387	5.6438
	37	Benzene	78	4.716	4.767	(0.510)	4138	0.05145	0.0514(a)
	39	1,2-Dichloroethane	62	Compound Not Detected.					
*	41	1,4-Difluorobenzene	114	5.314	5.314	(1.000)	397522	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	133150	5.03258	5.0325
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.154	6.144	(1.158)	25806	258.868	258.8683(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)	201714	4.65203	4.6520
	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)	379543	5.45732	5.4573
	53	Toluene	91	7.359	7.359	(0.795)	6797	0.08454	0.0845(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	8.281	(0.895)	435112	53.9976	53.9975
	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)	363887	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)	114362	5.08944	5.0894
	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)	199122	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	155701	5.50042	5.5004
	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.

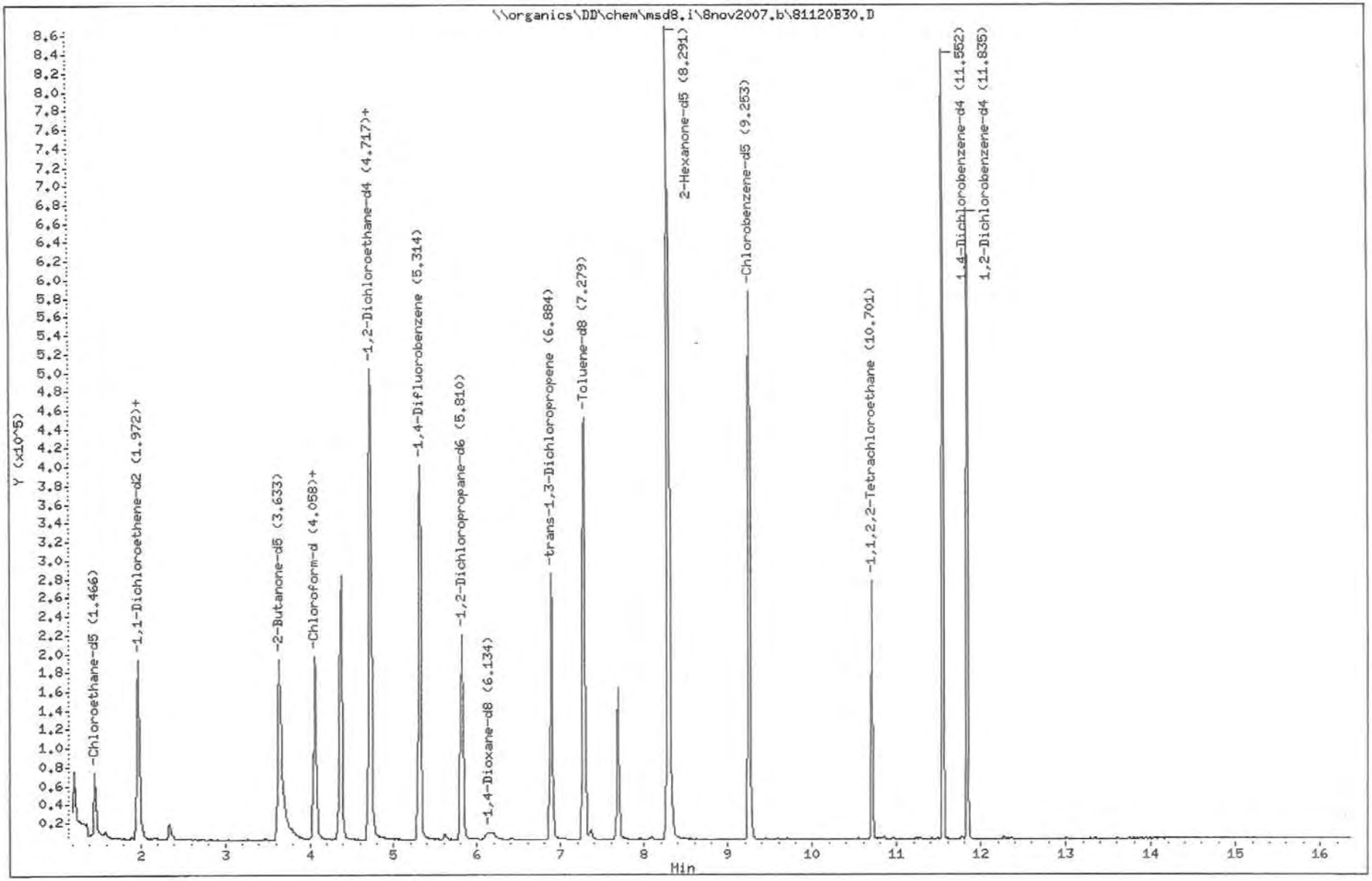
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D
Lab Smp Id: IK15003-008 Client Smp ID: VHBLK33
Inj Date : 20-NOV-2007 18:51
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 26
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\8nov2007.b\81120B30.D
Date : 20-NOV-2007 18:51
Client ID: VHBLK33
Sample Info: 8nov2007.b, IK15003-008
Purge Volume: 25.0
Column phase: DB-624

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



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D

Date : 20-NOV-2007 18:51

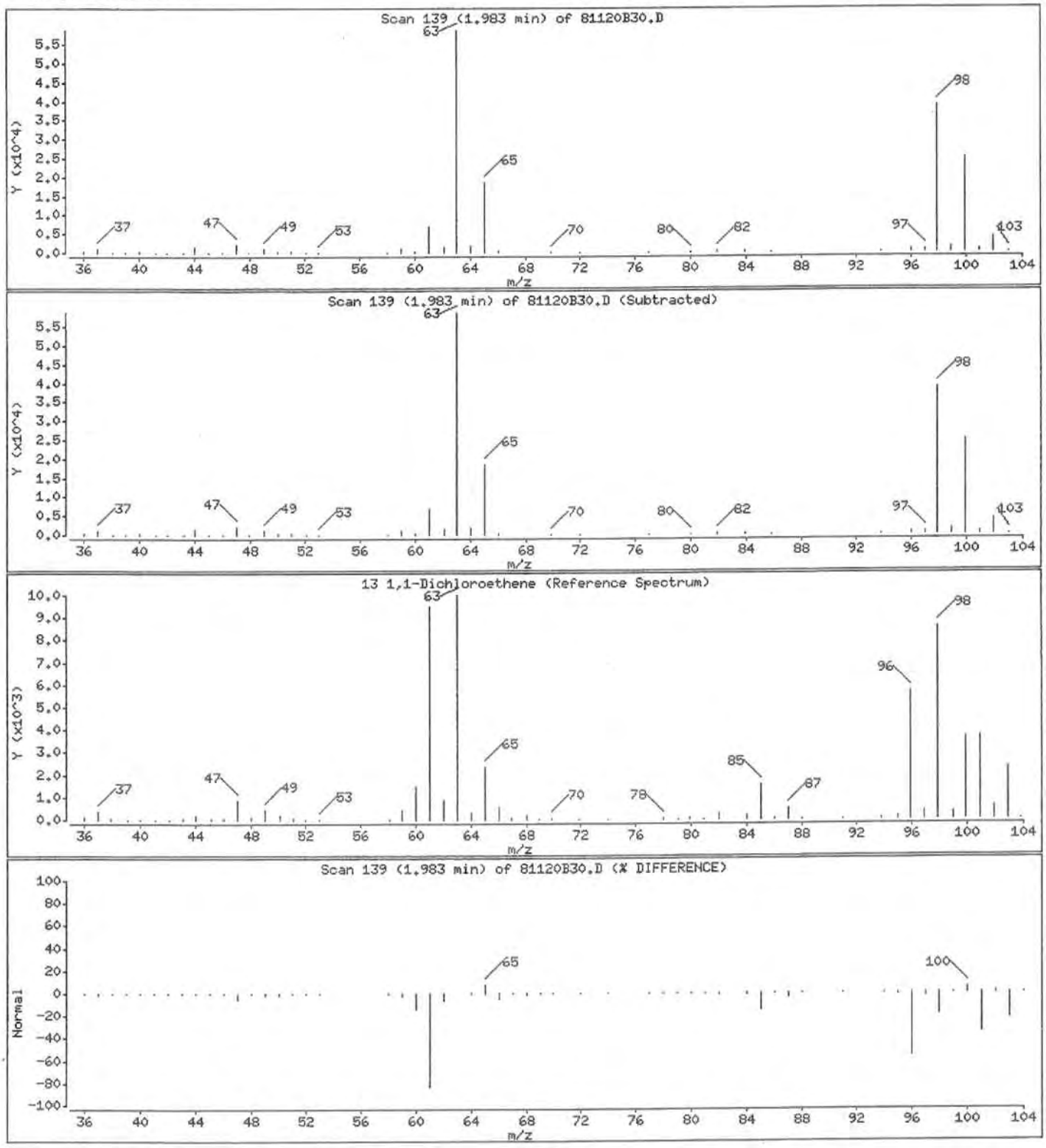
Client ID: VHBLK33 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

13 1,1-Dichloroethene Concentration: 0.0985 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D

Date : 20-NOV-2007 18:51

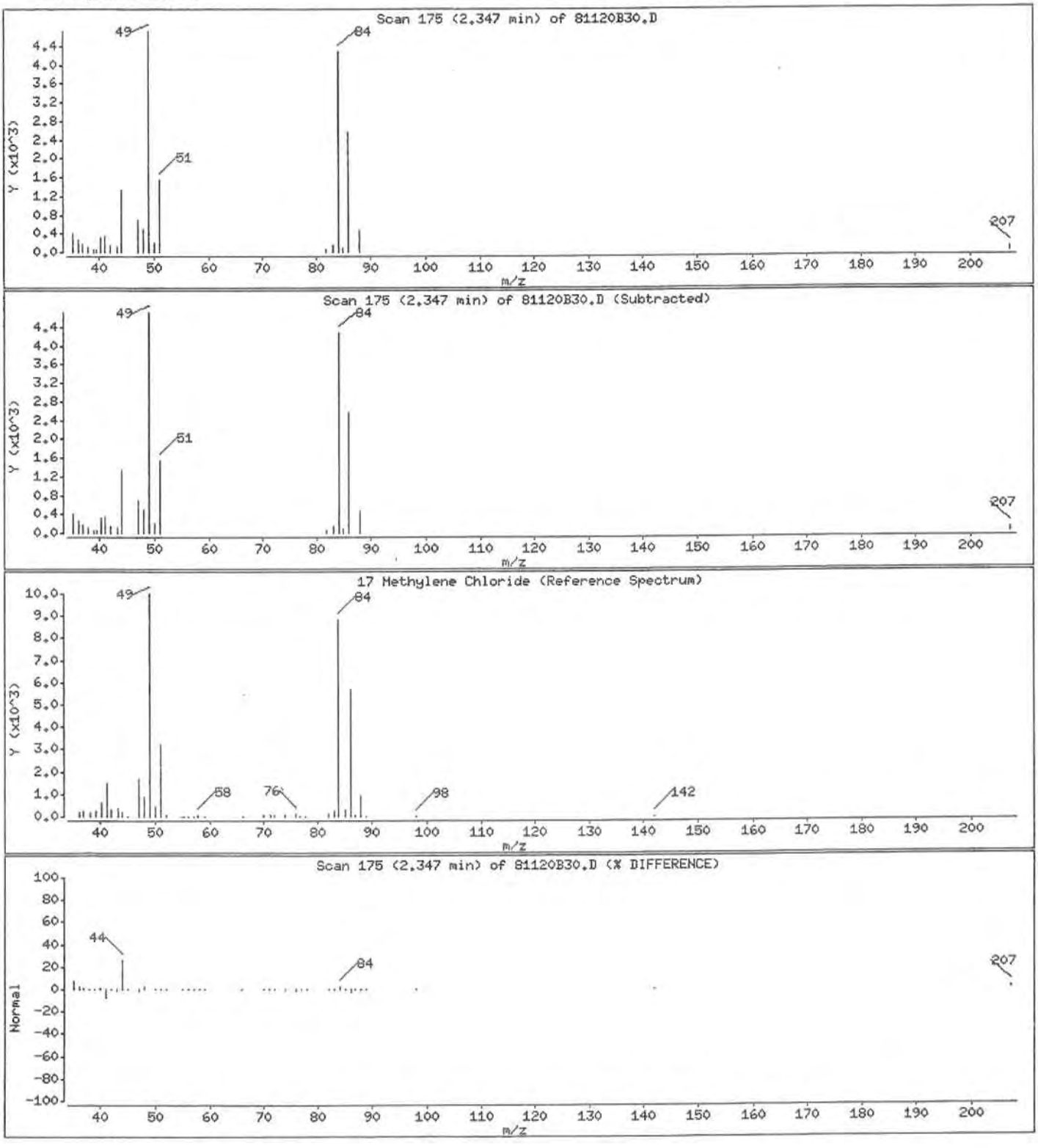
Client ID: VHBLK33 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

17 Methylene Chloride Concentration: 0.3958 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D

Date : 20-NOV-2007 18:51

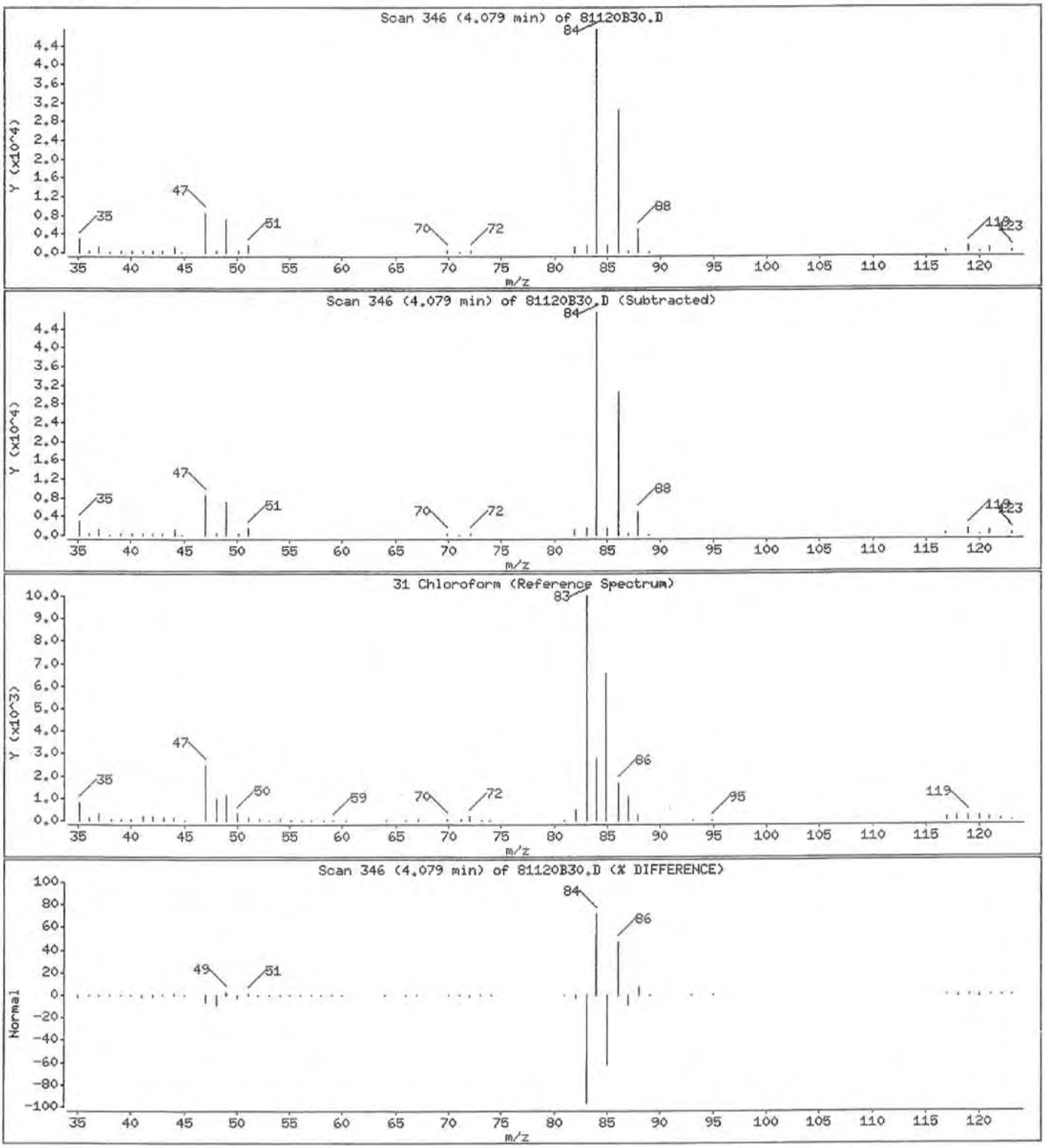
Client ID: VHBLK33 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

31 Chloroform Concentration: 0.1091 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D

Date : 20-NOV-2007 18:51

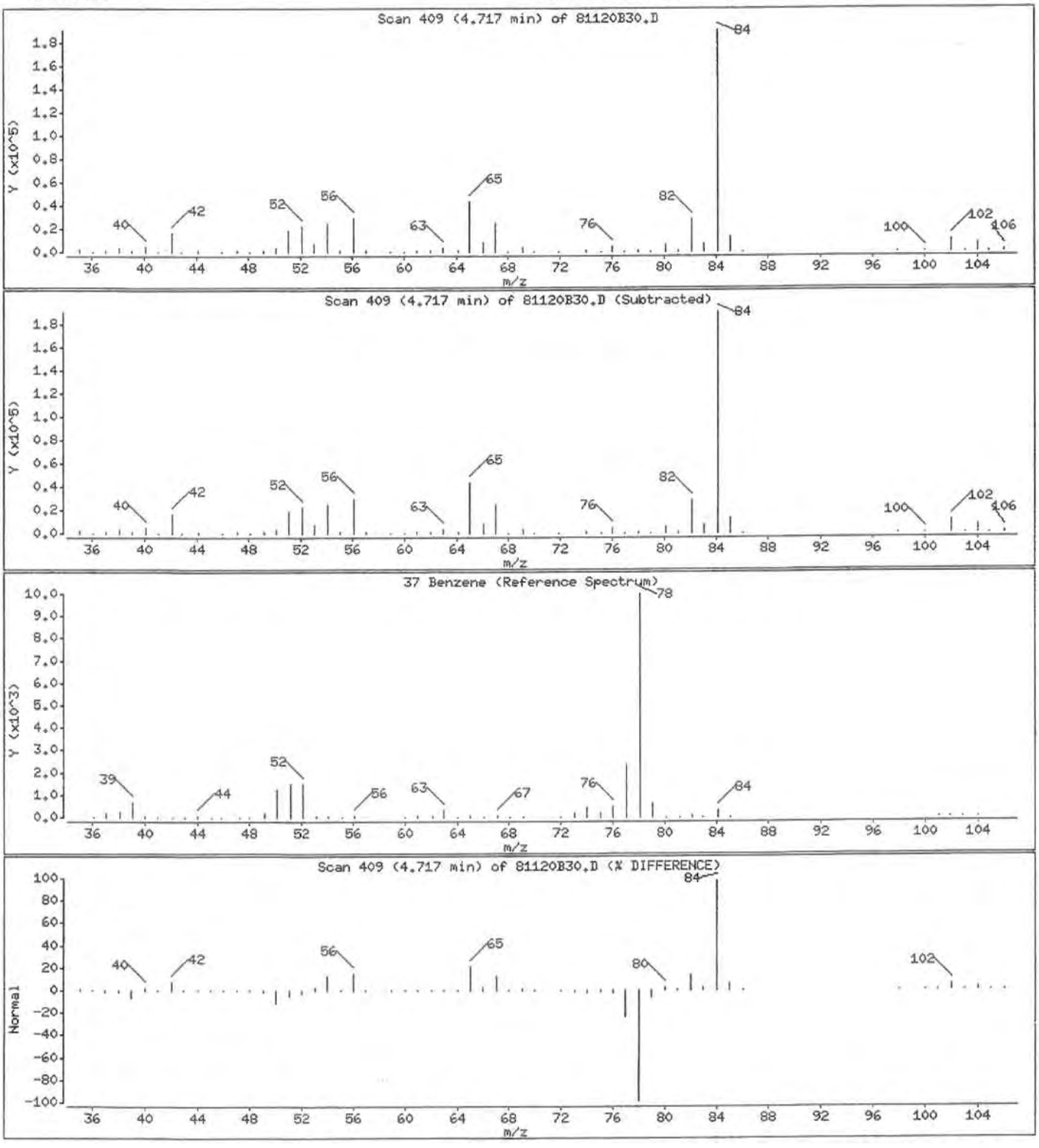
Client ID: VHBLK33 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

37 Benzene Concentration: 0.0514 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B30.D

Date : 20-NOV-2007 18:51

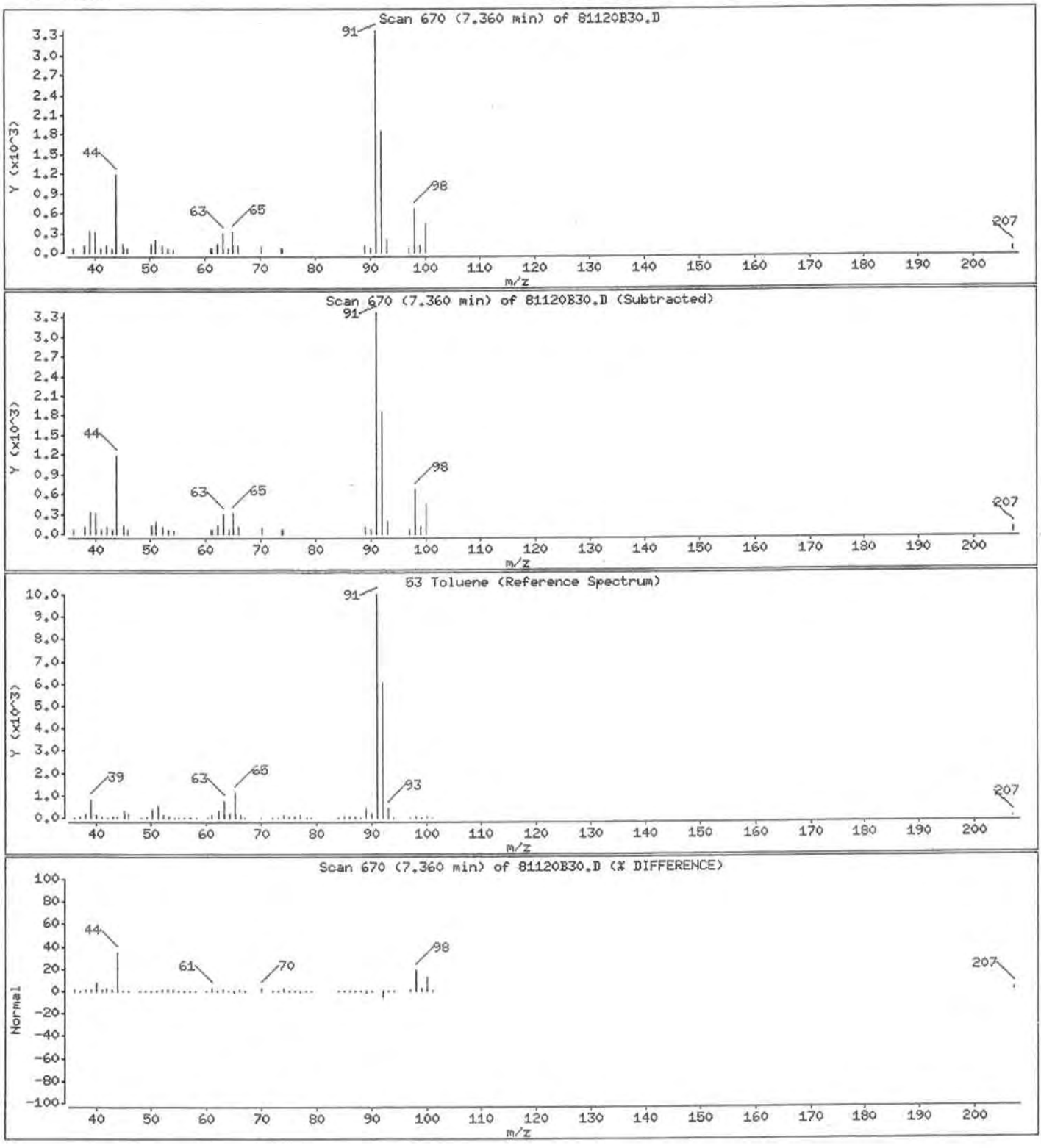
Client ID: WHBLK33 Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0 Operator: DLB

Column phase: DB-624 Column diameter: 0.18

53 Toluene Concentration: 0.0845 ug/L



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

EPA SAMPLE NO.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.13	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.0	JB
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.36	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	0.11	JB
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.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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					
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12					
13					
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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\8nov2007.b\81120B31.D
Lab Smp Id: IK15003-008 Client Smp ID: VHBLK33RE
Inj Date : 20-NOV-2007 19:13
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 27
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)	CONCENTRATIONS 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)	60786	7.69332	7.6933(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	71323	7.42752	7.4275(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)	168275	4.78498	4.7849
13	1,1-Dichloroethene	96	1.982	1.982	(0.373)	2494	0.13471	0.1347(aQ)
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.023	2.023	(0.381)	5150	1.04227	1.0422(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)	9625	0.36421	0.3642(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	3.633	(0.684)	460656	53.7810	53.7809
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)	200497	5.48219	5.4821
31	Chloroform	83	4.088	4.088	(0.769)	3709	0.10903	0.1090(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)	102462	5.45106	5.4510
$	36	Benzene-d6	84	4.726	4.716	(0.511)	449054	5.45751	5.4575
	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)	408015	5.00000	
	42	Trichloroethene	95	Compound Not Detected.					
$	44	1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	132799	4.88841	4.8884
	43	Methylcyclohexane	83	Compound Not Detected.					
	45	1,2-Dichloropropane	63	Compound Not Detected.					
$	46	1,4-Dioxane-d8	96	6.134	6.144	(1.154)	20138	196.816	196.8156(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)	200430	4.50187	4.5018
	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)	375725	5.26153	5.2615
	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	8.281	(0.895)	434236	52.4835	52.4834
	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)	373631	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)	114416	4.95905	4.9590
	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)	202652	5.00000	
	86	1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87	1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	153670	5.33411	5.3341
	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\8nov2007.b\81120B31.D
Lab Smp Id: IK15003-008 Client Smp ID: VHBLK33RE
Inj Date : 20-NOV-2007 19:13
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-008
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 27
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\8nov2007.b\81120B31.D

Date : 20-NOV-2007 19:13

Client ID: VHBLK33RE

Instrument: msd8.i

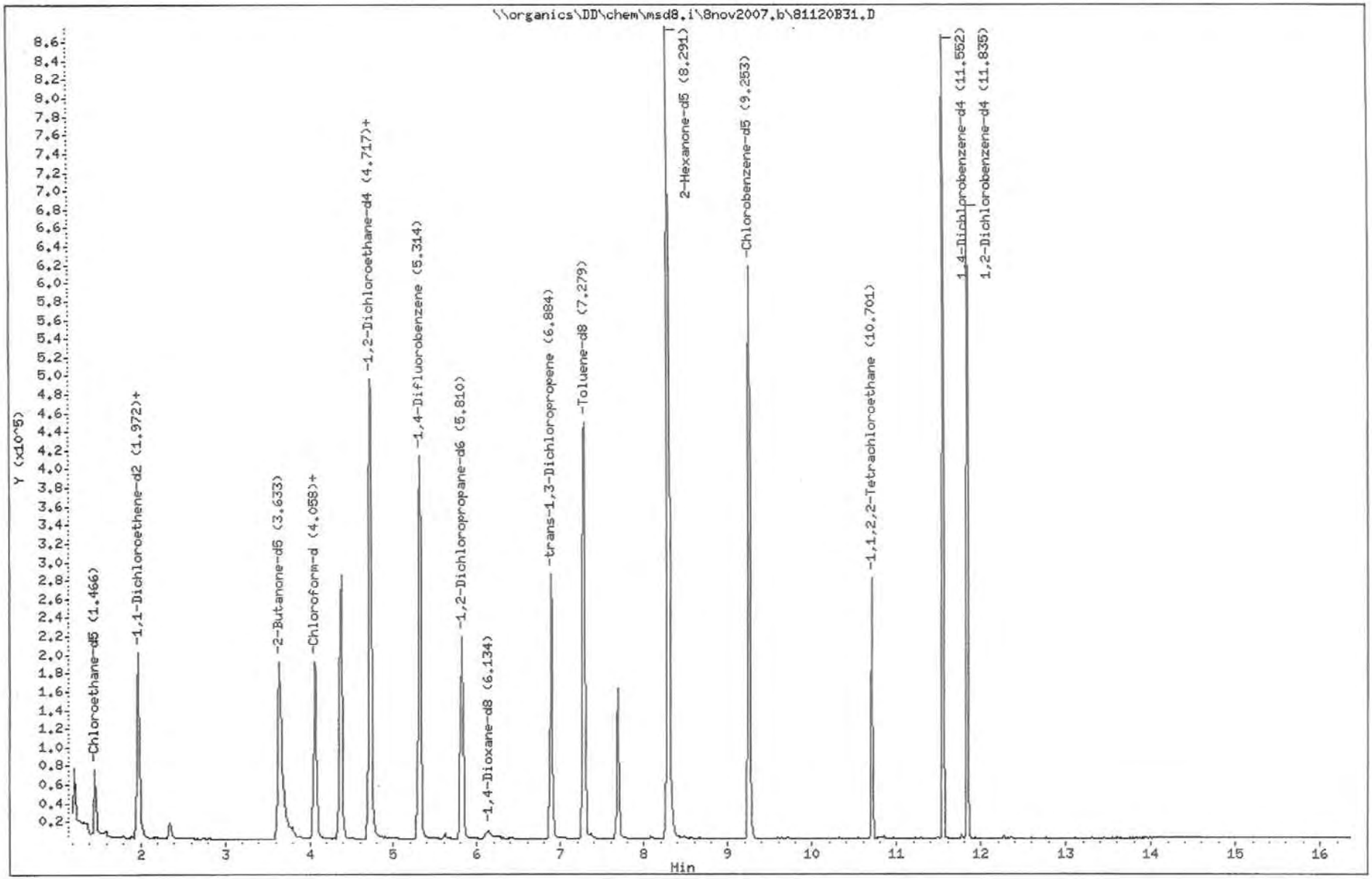
Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0

Operator: DLB

Column phase: DB-624

Column diameter: 0.18



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B31.D

Date : 20-NOV-2007 19:13

Client ID: VHBLK33RE

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0

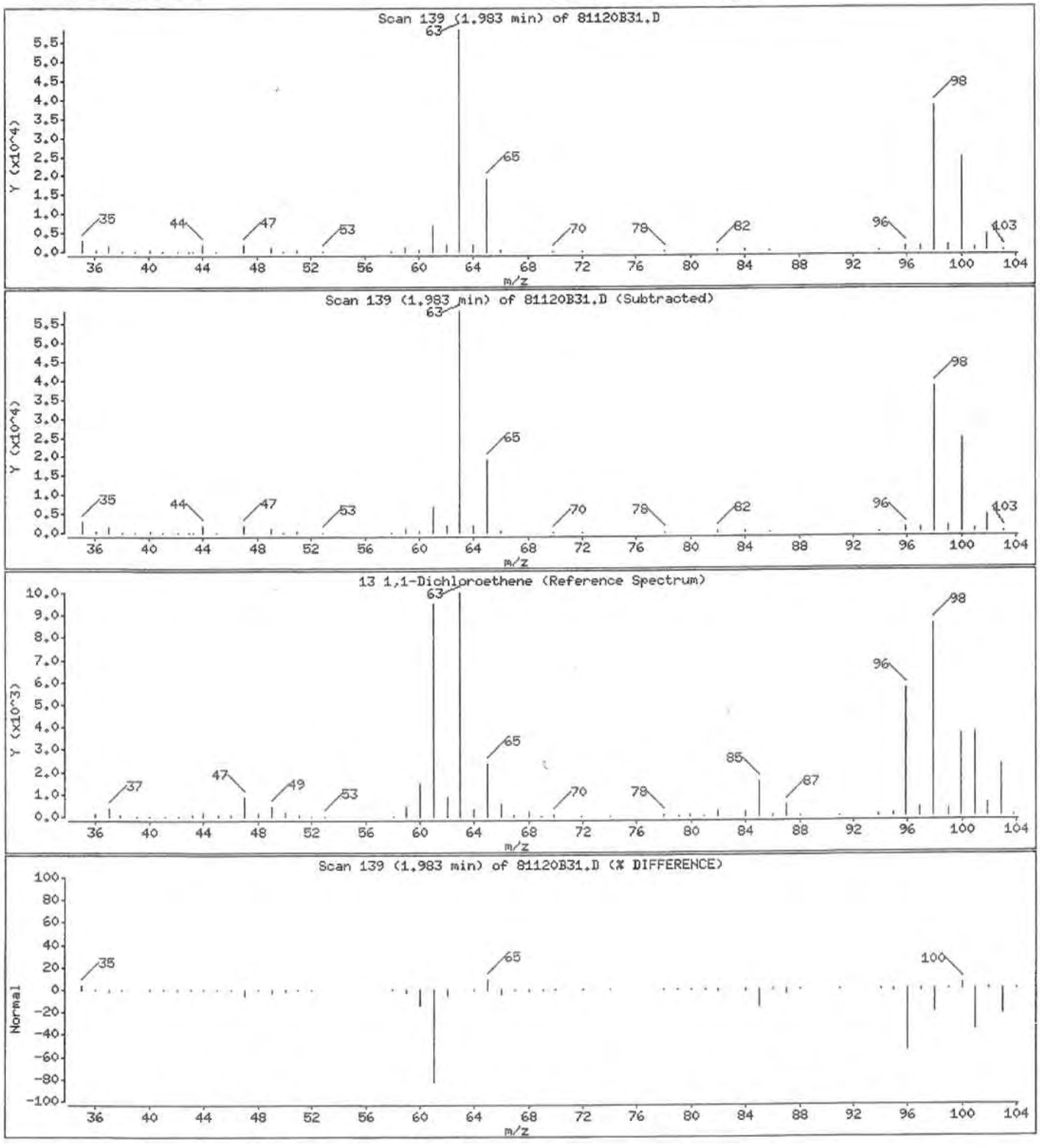
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

13 1,1-Dichloroethene

Concentration: 0.1347 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B31.D

Date : 20-NOV-2007 19:13

Client ID: VHBLK33RE

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0

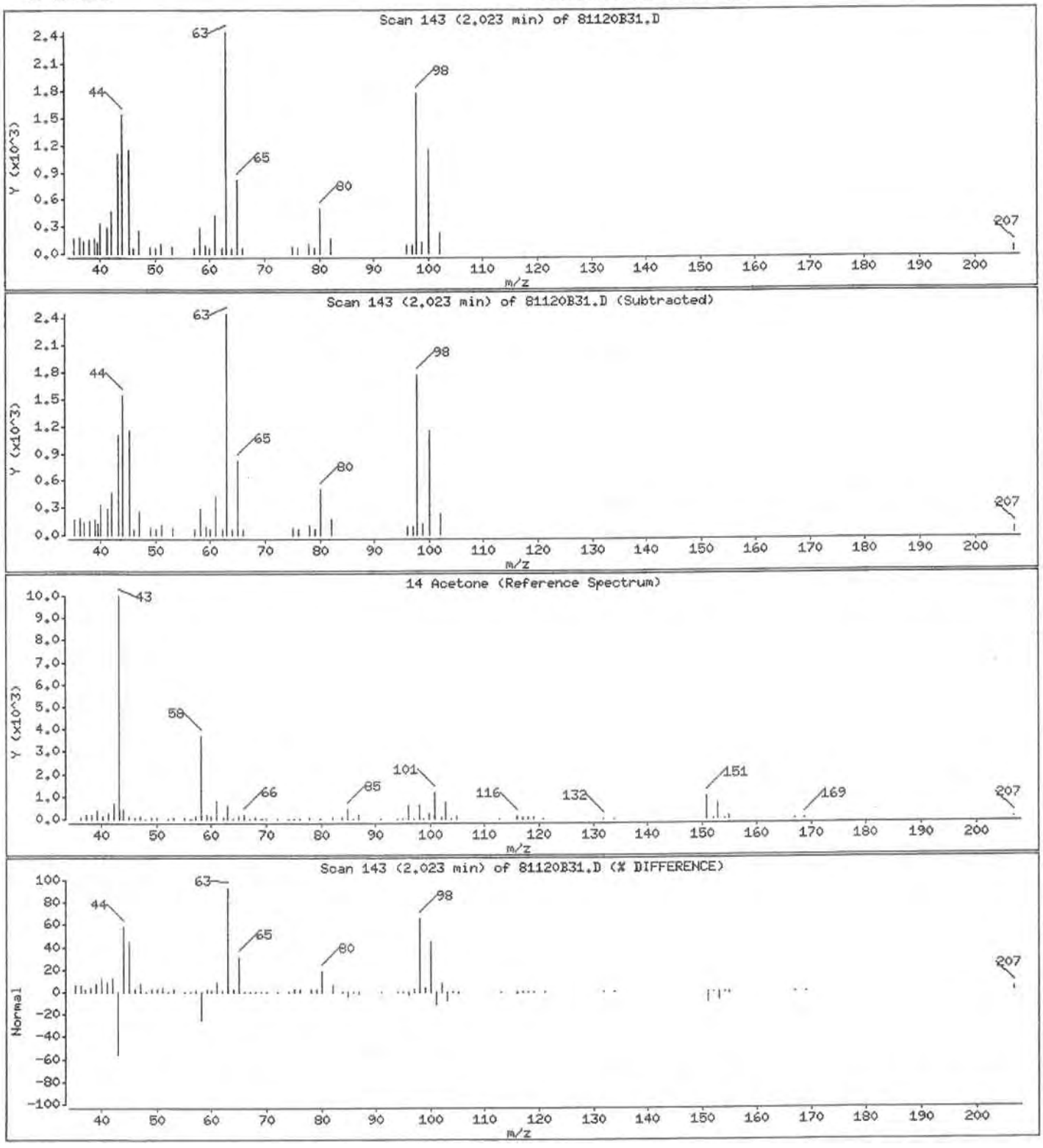
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

14 Acetone

Concentration: 1.0422 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B31.D

Date : 20-NOV-2007 19:13

Client ID: VHBLK33RE

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0

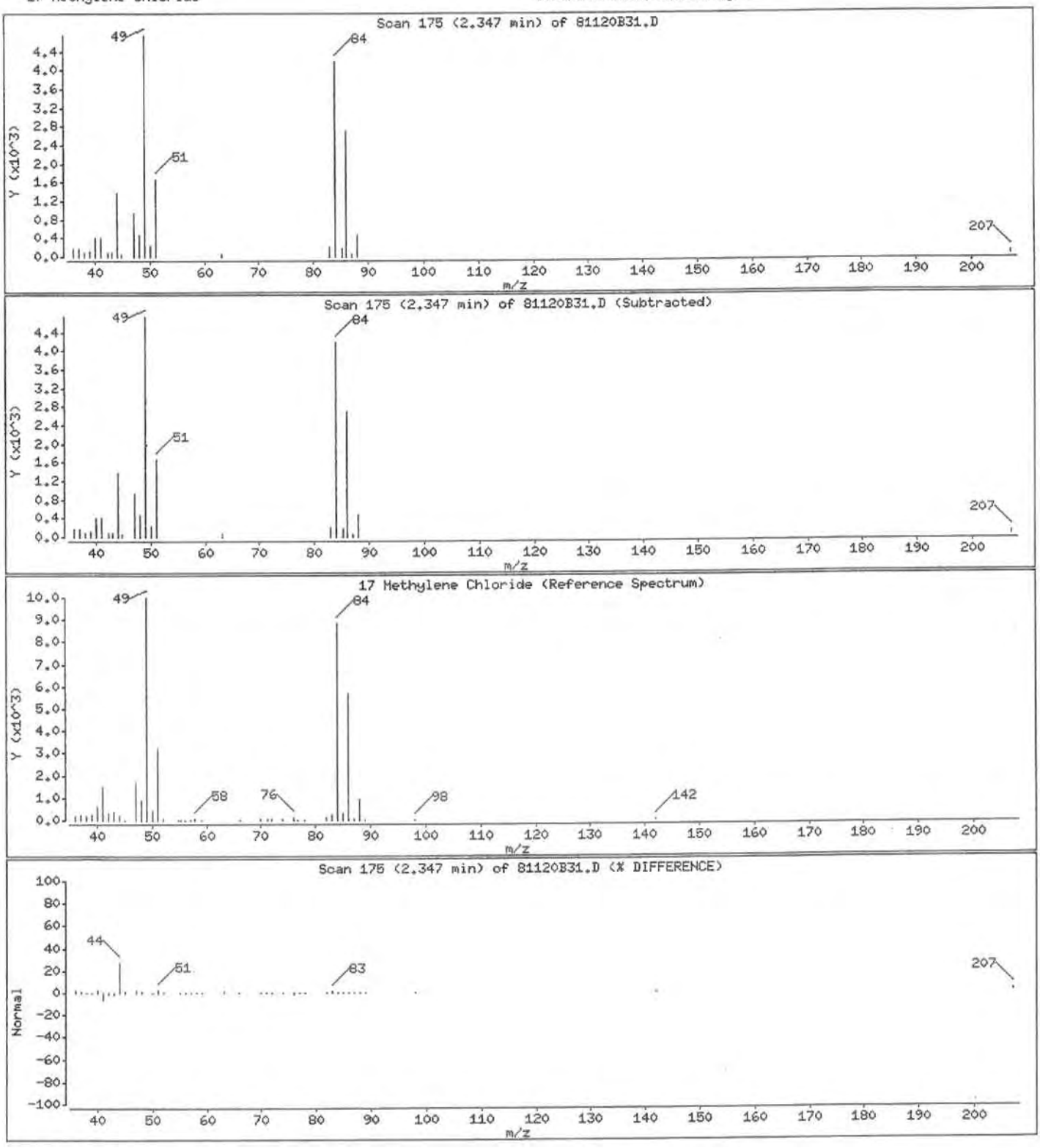
Operator: DLB

Column phase: DB-624

Column diameter: 0.18

17 Methylene Chloride

Concentration: 0.3642 ug/L



Data File: \\organics\DD\chem\msd8.i\8nov2007.b\81120B31.D

Date : 20-NOV-2007 19:13

Client ID: VHBLK33RE

Instrument: msd8.i

Sample Info: 8nov2007.b, IK15003-008

Purge Volume: 25.0

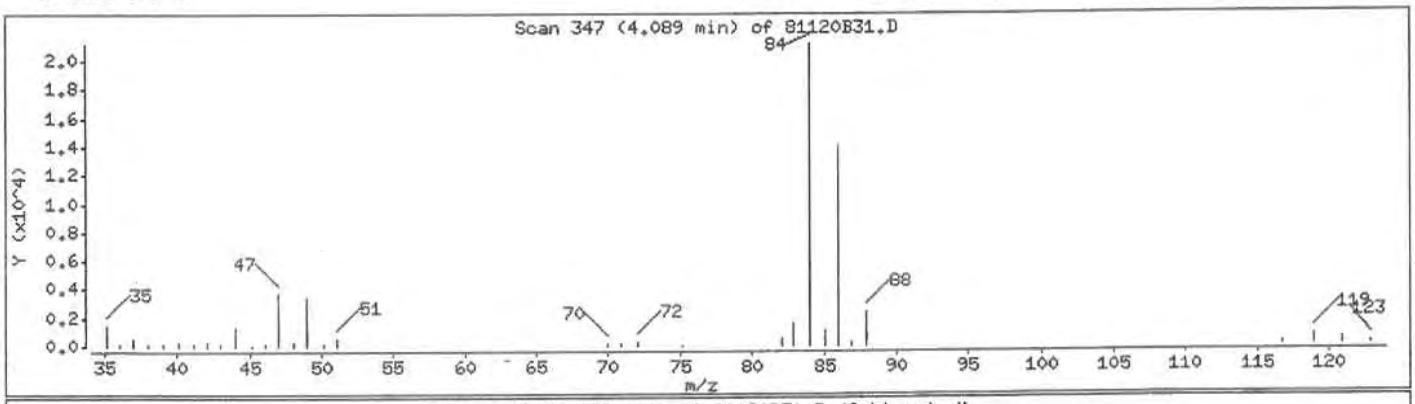
Operator: DLB

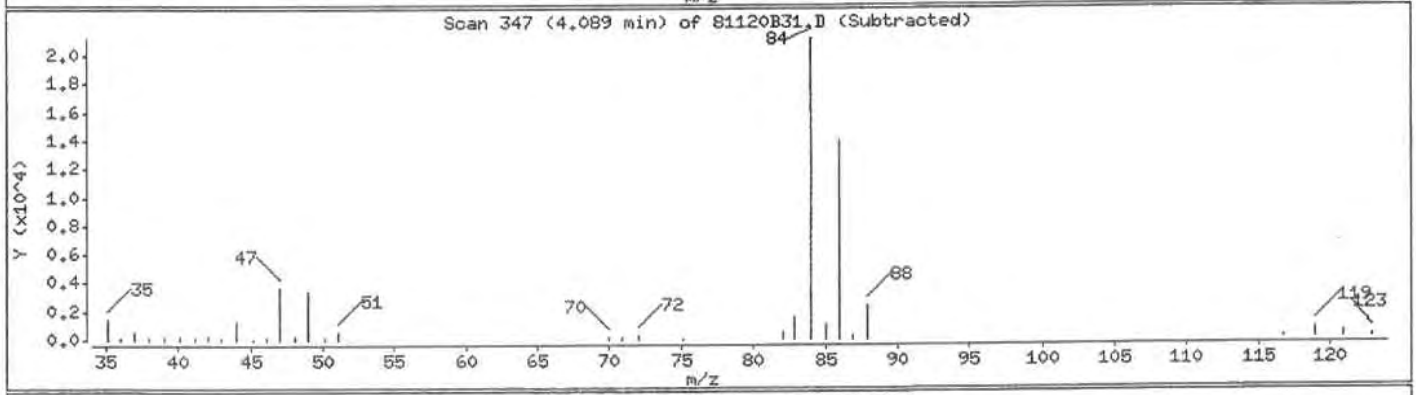
Column phase: DB-624

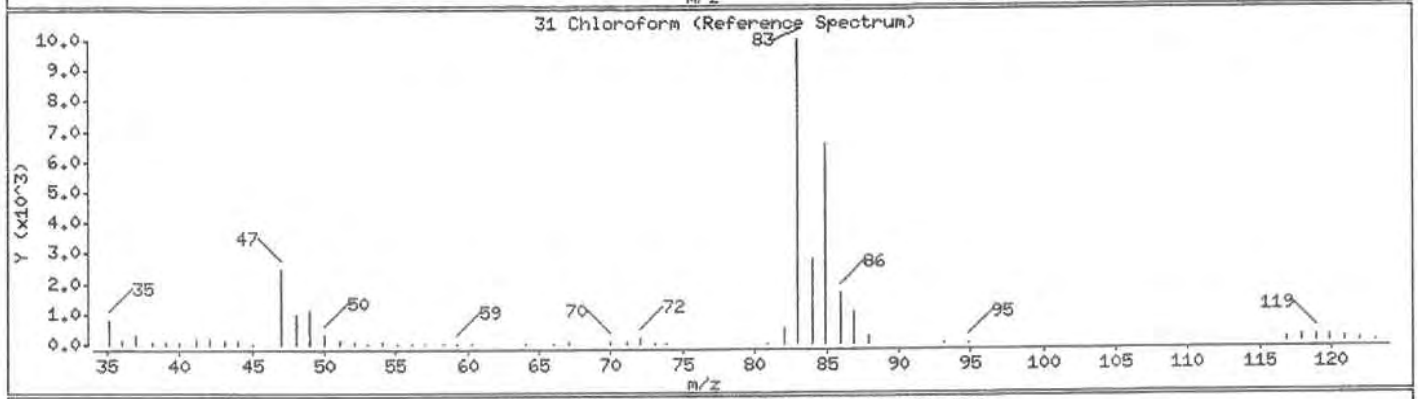
Column diameter: 0.18

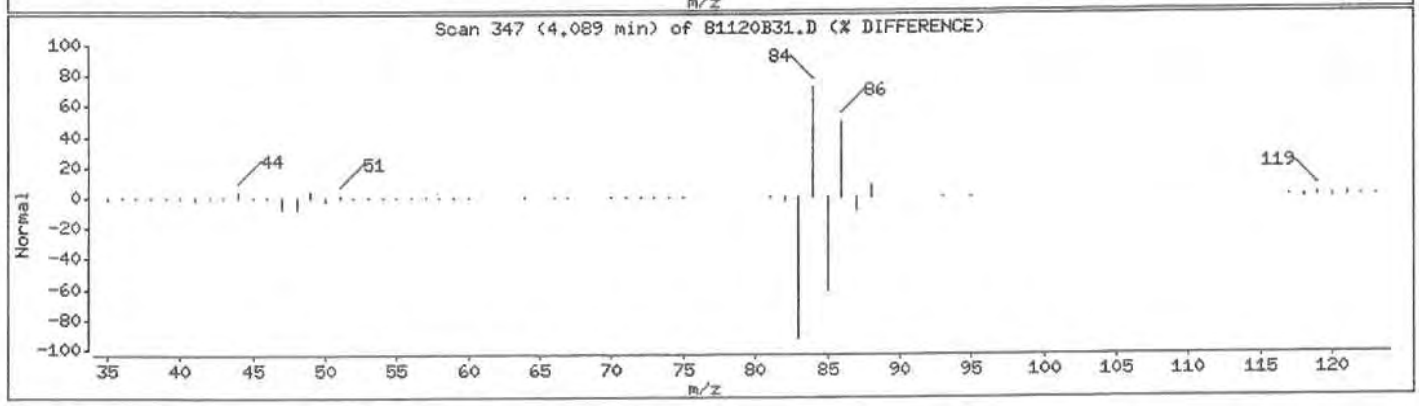
31 Chloroform

Concentration: 0.1090 ug/L









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

EPA SAMPLE NO.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	6.7	B
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	0.078	J
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	3.4	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.40	JB
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	5.9	
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.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	9.2	
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	6.0	
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	5.5	
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.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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)

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B18.D
Lab Smp Id: IK15003-004MS Client Smp ID: Y3QN6MS
Inj Date : 20-NOV-2007 14:27
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-004, MS
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 15 QC Sample: MS
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	1.223	(0.230)	69952	8.29031	8.2903(R)
	4 Vinyl Chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.465	1.466	(0.276)	80386	7.83890	7.8389(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)	261708	6.96848	6.9684(R)
	13 1,1-Dichloroethene	96	1.992	1.982	(0.375)	132968	6.72547	6.7254
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	14 Acetone	43	Compound Not Detected.					
	15 Carbon Disulfide	76	2.164	2.154	(0.407)	4995	0.07849	0.0784(a)
	16 Methyl Acetate	43	Compound Not Detected.					
	17 Methylene Chloride	84	2.346	2.347	(0.442)	6900	0.24449	0.2444(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	3.633	(0.684)	524024	57.2880	57.2880
	26 cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	79316	3.38067	3.3806
	28 2-Butanone	43	Compound Not Detected.					
	29 Bromochloromethane	128	Compound Not Detected.					
$	30 Chloroform-d	84	4.058	4.058	(0.764)	221657	5.67529	5.6752
	31 Chloroform	83	4.088	4.088	(0.769)	14665	0.40366	0.4036(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)	114253	5.69176	5.6917
$	36		Benzene-d6	84	4.716	4.716	(0.510)	498038	5.85579	5.8557
	37		Benzene	78	4.767	4.767	(0.515)	506158	5.92960	5.9296
	39		1,2-Dichloroethane	62	Compound Not Detected.					
*	41		1,4-Difluorobenzene	114	5.313	5.314	(1.000)	435728	5.00000	
	42		Trichloroethene	95	5.627	5.628	(0.608)	193476	9.20007	9.2000(R)
$	44		1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	147658	5.25844	5.2584
	43		Methylcyclohexane	83	Compound Not Detected.					
	45		1,2-Dichloropropane	63	Compound Not Detected.					
$	46		1,4-Dioxane-d8	96	6.154	6.144	(1.158)	21211	194.118	194.1177(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)	232023	5.04183	5.0418
	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)	418634	5.67157	5.6715
	53		Toluene	91	7.359	7.359	(0.795)	508085	5.95406	5.9540
	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	8.281	(0.896)	488515	57.1218	57.1217
	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)	386203	5.00000	
	64		Chlorobenzene	112	9.283	9.283	(1.003)	327434	5.51384	5.5138
	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)	121950	5.11353	5.1135
	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)	209046	5.00000	
	86		1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87		1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	167024	5.62031	5.6203
	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.

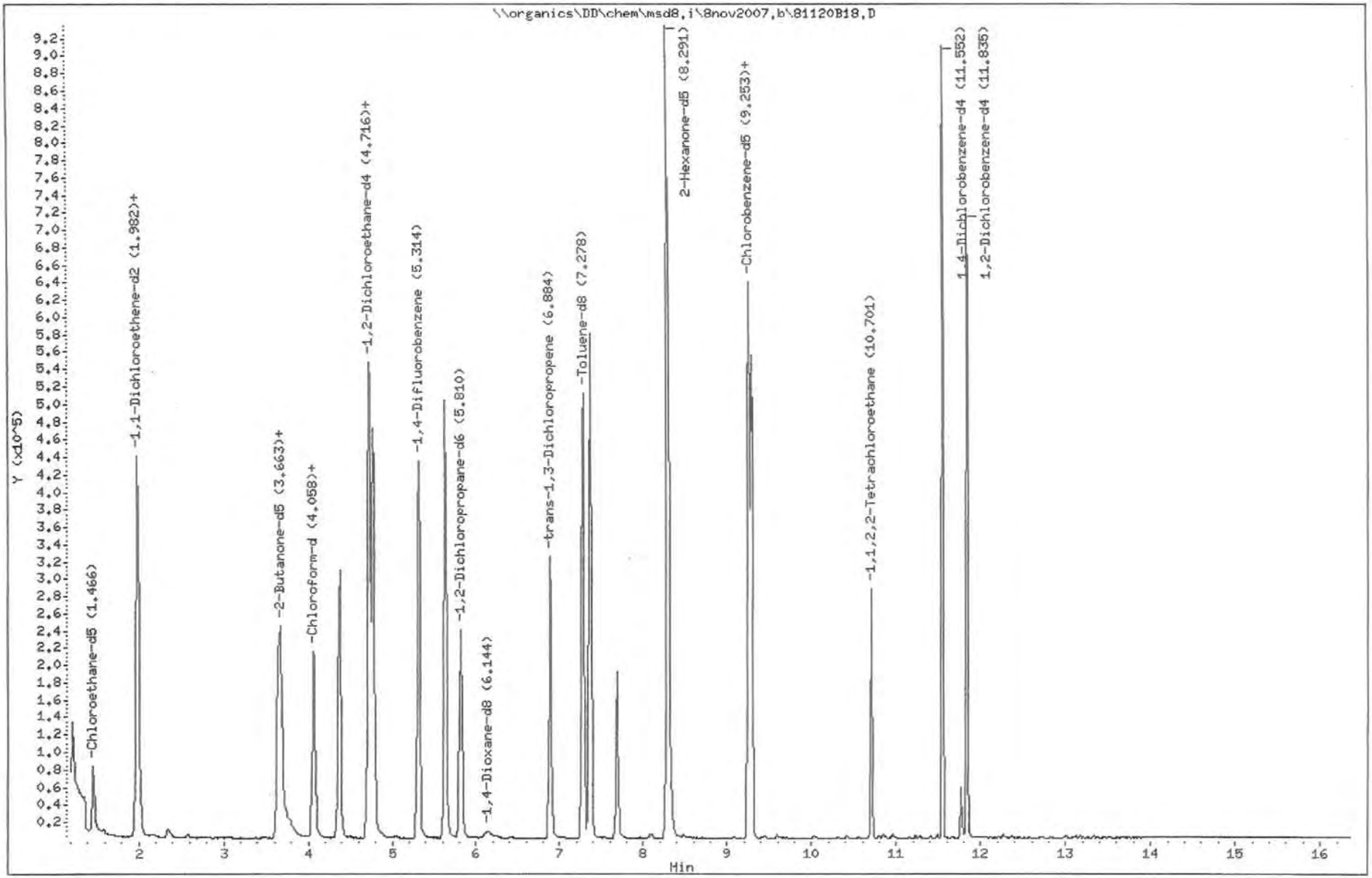
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B18.D
Lab Smp Id: IK15003-004MS Client Smp ID: Y3QN6MS
Inj Date : 20-NOV-2007 14:27
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-004, MS
Misc Info :
Comment :
Method : \\organics\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 15 QC Sample: MS
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\8nov2007.b\81120B18.D
Date : 20-NOV-2007 14:27
Client ID: Y3QN6MS
Sample Info: 8nov2007.b, IK15003-004, MS
Purge Volume: 25.0
Column phase: DB-624

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



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

EPA SAMPLE NO.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	5.5	B
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.7	JB
75-15-0	Carbon Disulfide	0.052	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	JB
156-60-5	trans-1,2-Dichloroethene	0.063	J
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	4.5	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.51	B
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	4.9	
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.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	9.6	
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	5.1	
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	4.6	
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.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.3 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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)

Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B19.D
Lab Smp Id: IK15003-004MD Client Smp ID: Y3QN6MSD
Inj Date : 20-NOV-2007 14:49
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-004, MSD
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 16 QC Sample: MSD
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)	CONCENTRATIONS 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)	64685	7.88344	7.8834(R)
4	Vinyl Chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.466	1.466	(0.276)	67944	6.81346	6.8134(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)	231023	6.32584	6.3258(R)
13	1,1-Dichloroethene	96	1.992	1.982	(0.375)	106297	5.52889	5.5288
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
14	Acetone	43	2.023	2.023	(0.381)	8967	1.74753	1.7475(a)
15	Carbon Disulfide	76	2.164	2.154	(0.407)	3195	0.05163	0.0516(a)
16	Methyl Acetate	43	Compound Not Detected.					
17	Methylene Chloride	84	2.347	2.347	(0.442)	6432	0.23437	0.2343(a)
20	Methyl tert-Butyl Ether	73	Compound Not Detected.					
21	trans-1,2-Dichloroethene	96	2.579	2.580	(0.486)	1300	0.06261	0.0626(a)
23	1,1-Dichloroethane	63	Compound Not Detected.					
$ 25	2-Butanone-d5	46	3.633	3.633	(0.684)	471806	53.0417	53.0417
26	cis-1,2-Dichloroethene	96	3.673	3.673	(0.691)	103602	4.54101	4.5410
28	2-Butanone	43	Compound Not Detected.					
29	Bromochloromethane	128	Compound Not Detected.					
$ 30	Chloroform-d	84	4.058	4.058	(0.764)	205615	5.41381	5.4138
31	Chloroform	83	4.088	4.088	(0.769)	18124	0.51301	0.5130
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)	106485	5.45518	5.4551
$	36 Benzene-d6	84	4.716	4.716	(0.510)	466260	5.53659	5.5365
	37 Benzene	78	4.767	4.767	(0.515)	416925	4.93274	4.9327
	39 1,2-Dichloroethane	62	Compound Not Detected.					
*	41 1,4-Difluorobenzene	114	5.314	5.314	(1.000)	423715	5.00000	
	42 Trichloroethene	95	5.627	5.628	(0.608)	198997	9.55656	9.5565(R)
$	44 1,2-Dichloropropane-d6	67	5.810	5.810	(0.628)	138162	4.96912	4.9691
	43 Methylcyclohexane	83	Compound Not Detected.					
	45 1,2-Dichloropropane	63	Compound Not Detected.					
$	46 1,4-Dioxane-d8	96	6.134	6.144	(1.154)	27926	262.818	262.8175(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)	214605	4.70964	4.7096
	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)	395366	5.40953	5.4095
	53 Toluene	91	7.359	7.359	(0.795)	428531	5.07166	5.0716
	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	8.281	(0.895)	453275	53.5275	53.5274
	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)	382406	5.00000	
	64 Chlorobenzene	112	9.283	9.283	(1.003)	273252	4.64713	4.6471
	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)	118199	5.00546	5.0054
	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)	207588	5.00000	
	86 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	87 1,2-Dichlorobenzene-d4	152	11.845	11.845	(1.025)	160621	5.44282	5.4428
	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.

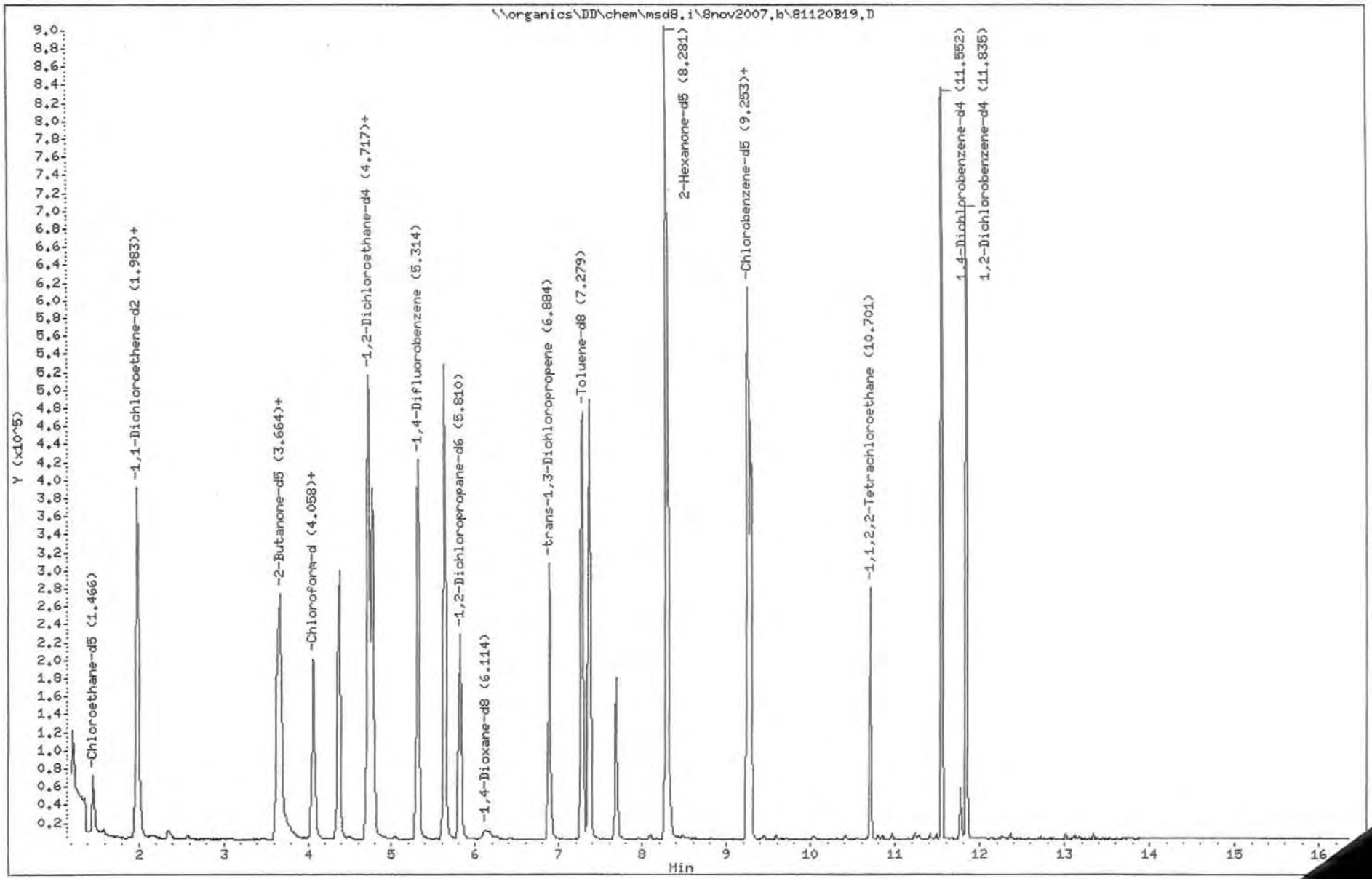
Shealy Environmental Services, Inc.

Data file : \\organics\DD\chem\msd8.i\8nov2007.b\81120B19.D
Lab Smp Id: IK15003-004MD Client Smp ID: Y3QN6MSD
Inj Date : 20-NOV-2007 14:49
Operator : DLB Inst ID: msd8.i
Smp Info : 8nov2007.b, IK15003-004, MSD
Misc Info :
Comment :
Method : \\ORGANICS\DD\chem\msd8.i\8nov2007.b\TRACE-8.m
Meth Date : 21-Nov-2007 09:38 msd8.i Quant Type: ISTD
Cal Date : 19-NOV-2007 08:32 Cal File: 81119A06.D
Als bottle: 16 QC Sample: MSD
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\8nov2007.b\81120B19.D
Date : 20-NOV-2007 14:49
Client ID: Y3QN6MSD
Sample Info: 8nov2007.b, IK15003-004, MSD
Purge Volume: 25.0
Column phase: DB-624

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



GC/MS VOC Instrument Run Log MSD 8

Batch #: 68091 / 68090 Matrix: (A) / LL / M / N Method ID: TCL12 Date: 111907 Analyst: DLB Prepped by: DLB

Col Type: DB624 Length: 20 m I.D.: 0.8 mm Flow Rate: 1.0 mL/min Film thickness: 1.0 µm Split Ratio: 35 : 1

1 µL of IS STD # SMT 0973 into 25 mL 10 µL of SS STD # SMT 1014 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	81119A01	BFB	07-346	all	1	NA	NA	PASS
2	2	VSTD020	SMT 1020	1391	1			
3	3	015	19					
4	4	010	18					
5	5	005	17					
6	6	0.5	16					
7	7	VBLK	NA					PASS
8	8	VBLK						
9	9	VBLK						
10	10	8VBLK19						PASS
11	11	IK15003-001				4.2		
12	12	2						
13	13	3						(2X)
14	14	IK09018-005		std	2			
15	15	21			1			2 qas 55 †
16	16	IK14023-021			1			2 qas 55 †
17	17	IK08065-014			2			PASS
18	18	20			5			
19	19	21			1			2 qas 55†
20	20	IK15003-004		1391				PASS
21	21	5						
22	22	6						
23	23	7						
24	24	IK16006-001						
25	25	IK08063-021	SMT 1015	std			10/40	
26	26	MS					10/40	
27	27	IK07851-013	NA			NA		2 qas 55†
28	28	ENDIG	SMT1018	1391				PASS
29								
30								
31								
32								11/20/07
33								DLB
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 #: TQ 68205 Matrix: A / LL / M / N Method ID: SOM1.2 Date: 11/2/07 Analyst: DLB Prepped by: DLB

Col Type: DB 624 Length: 20 m I.D: 0.25 mm Flow Rate: 0.8 mL/min Film thickness: 1.0 µm Split Ratio: 35 : 1

1 µL of IS STD # SOMT 0973 into 25 mL 10 µL of SS STD# SOMT 1011 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	81120B01	BFB	07-366	all	1	NA	NA	PASS
2	2	CCV	SOMT	1391	1			fails Re
3	3	BFX	NA	↓	1			Re
4	4	BFB	07-366	all	1			Pass 0846
5	5	CCV	SOMT	1391	1			Pass
6	6	8BLK20	NA		1	↓		no sum added
7	7	8BLK20	↓	↓	1	<2	NA	Pass
8	8	1K09018-021	NA	std		~~KA~~ 11/2/07		
9	9	1K14023-02				<2		
10	10	1K13026-007						
11	11	1K08065-021						
12	12	1K07051-013		↓				
13	13	1K16006-002		1391				
14	14	3						
15	15	4						
16	16	5						
17	17	↓ 6		↓			↓	
18	18	1K15003-004MS	SOMT 0975				20/40	
19	19	↓ MSD	↓	↓		↓	↓	↓
20	20	IK15003-003	NA	1391	2		NA	pass
21	21	IK16006-007			1			pass
22	22	↓ 8		↓	1			SSA DNR
23	23	IK15003-009			1			ok
24	24	IK15003-010			1			TCE @ 20X 20X
25	25	↓ 011			1			TCE < PRL ok
26	26	IK16006-008			1			ok
27	27	IK15003-010		↓	20			ok
28	28	IK09018-021		std	1			ok
29	29	IK15009-009		↓				
30	30	IK15003-008		1391				
31	31	↓		↓				↓
32	32	8BND1120		1391		↓	↓	ok
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

SOMT 0997

PREP. DATE: 11/10/2007

Solvent Lot #: 07-735

EXP. DATE: 12/10/2007

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: _____

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1000

PREP. DATE: 11/12/2007

Solvent Lot #: 07-735

EXP. DATE: 12/12/2007

SOLVENT: MEOH

COMPOUND	STOCK STD#		ALIQUOTED VOLUME Units =	DILUTION VOLUME Units =	FINAL CONC Units =	FOOT NOTES IF APPLIC.
1,4 DIOXANE WORKING STD		ug/mL	ul	mL	UG/ML	
1,4 DIOXANE	07-542	10000	100	1	1000	NA
1,4 DIOXANE-D8/ DMC C	07-636	31250	32	1	1000	NA

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

11/12/2007 1:39 PM

Reviewer's Init: _____

Page# 2007- 1000

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1015

PREP. DATE: 11/19/2007

Solvent Lot #: 07-735

EXP. DATE: 12/19/2007

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

11/19/2007 1:24 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1016

PREP. DATE: 11/19/2007

Solvent Lot #:

EXP. DATE: 11/20/2007

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	SOMT1000	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- 1016

11/19/2007 1:28 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/19/2007

EXP. DATE: 11/20/2007

SOMT 1017

Solvent Lot #:

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	SOMT1000	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- 1017

11/19/2007 1:28 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1018

PREP. DATE: 11/19/2007

Solvent Lot #:

EXP. DATE: 11/20/2007

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	SOMT1000	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:

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1019

PREP. DATE: 11/19/2007

Solvent Lot #:

EXP. DATE: 11/20/2007

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	SOMT1000	1000	30	100	300	NA

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

Reviewer's Init:

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

PREP. DATE: 11/19/2007

EXP. DATE: 11/20/2007

SOMT 1020

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	SOMT1000	1000	60	100	600	NA

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

Reviewer's Init:

Page# 2007- 1020

11/19/2007 1:30 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1021

PREP. DATE: 11/20/2007

Solvent Lot #:

EXP. DATE: 11/21/2007

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	SOMT1000	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- 1021

11/20/2007 2:24 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1022

PREP. DATE: 11/20/2007

Solvent Lot #:

EXP. DATE: 11/21/2007

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	SOMT1000	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- 1022

11/20/2007 2:25 PM

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 1023

PREP. DATE: 11/20/2007

Solvent Lot #:

EXP. DATE: 11/21/2007

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	SOMT1000	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- 1023

11/20/2007 2:25 PM

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

Working Standards Prep Log - MS Volatiles

INITIALS: DLB

SOMT 0973

PREP. DATE: 11/6/2007

Solvent Lot #: 07-735

EXP. DATE: 12/6/2007

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

Volatile Internal Chain of Custody From Refrigerator #7

Date	Time	Analyst	From	To	Lab Sample ID	Container #	Consumed Y/N
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK15003-001	3	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	2	2	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	3	2	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK09018-002	3	N
11.19.2007	0730	DLB	Refrigerator #7	MSD8	21	3	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK14023-021 (IK14024-004)	1	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK8065-014	3	N
11.19.2007	0730	DLB	Refrigerator #7	MSD8	20	2	N
11.19.2007	0730	DLB	Refrigerator #7	MSD8	21	3	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	Ik15003-004	2	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	5	3	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	6	2	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	7	2	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK16006-001	1	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK08063-001	4	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	1	5	Y
11.19.2007	0730	DLB	Refrigerator #7	MSD8	IK07051-013	1	Y

Volatile Internal Chain of Custody From Refrigerator #7

Date	Time	Analyst	From	To	Lab Sample ID	Container #	Consumed Y/N
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK14023-021 (IK13025-021)	3	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK13026-007	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK08065-021 (IK07051-21)	3	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK07051-013 (IK07051-021	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK09018-021 (IK09022-013)	3	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK16006-002	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK16006-003	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	4	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	5	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	6	1	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK15003-003	3	N
11.20.2007	0600	DLB	Refrigerator #7	MSD8	4	5	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	4	6	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	IK16006-007	2	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	8	2	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	9	3	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	10	2	Y
11.20.2007	0600	DLB	Refrigerator #7	MSD8	11	3	Y

From: Origin ID: SNAA (714)429-2050
Mike Palm
CH2MHILL
3 Hutton Centre Drive, Suite 200

Santa Ana, CA 92707

FedEx Express

CLS090807/2123

Ship Date: 14NOV07
ActWgt: 20 LB Dimmed: 24 X 14 X 14 IN
System#: 1844877/INET7091
Account#: S *********

Delivery Address Bar Code

Ref # 335379.fi.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

THU - 15NOV A1
PRIORITY OVERNIGHT

TRK# 0201 7992 2181 6363

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CAE
SC-US
29172

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From: Origin ID: SNAA (714)429-2050
Mike Palm
CH2MHILL
3 Hutton Centre Drive, Suite 200

Santa Ana, CA 92707

FedEx Express

Ship Date: 15NOV07
ActWgt: 30 LB Dimmed: 24 X 14 X 14 IN
System#: 1844877/INET7091
Account#: S *********

Delivery Address Bar Code

Ref # 335379.fi.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 7983 0979 6753

FRI - 16NOV **A1**
PRIORITY OVERNIGHT

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CAE
SC-US
29172

11/16/07

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

Case No:	36912
DAS No:	
SDG No:	Y3QN3

L

Date Shipped:	11/14/2007
Carrier Name:	FedEx
Airbill:	799221816363
Shipped to:	Shealy Environmental 106 Vantage Point Drive Cayce SC 29033 (803) 791-9700

Chain of Custody Record

Sampler Signature:

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1		11/14/07 1300		
2				
3				
4				11/15/07 0935

For Lab Use Only

Lab Contract No:
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
Y3QN3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	1	S: 11/14/2007	8:30		OK
Y3QN4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	2	S: 11/14/2007	9:10		
Y3QN5	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	3	S: 11/14/2007	9:50		
Y3QN6	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (6)	4	S: 11/14/2007	10:15		
Y3QN7	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	5	S: 11/14/2007	11:25		
Y3QN8	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	6	S: 11/14/2007	11:45		
Y3QN9	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	7	S: 11/14/2007	12:00		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.7	Chain of Custody Seal Number: NA
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: 9-403413243-111407-0001

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

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

Case No: 36912
DAS No:
SDG No: Y3QN3

L

474

Date Shipped:	11/15/2007
Carrier Name:	FedEx
Airbill:	798309796753
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		11/15/07 1400		
2				
3				
4				11/16/07 0935

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
Y3QP0	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	8	S: 11/15/2007	8:55		
Y3QP1	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	9	S: 11/15/2007	9:30		
Y3QP2	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	10	S: 11/15/2007	10:00		
Y3QP3	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	11	S: 11/15/2007	10:30		
Y3QP4	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	12	S: 11/15/2007	11:00		
Y3QP5	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	13	S: 11/15/2007	11:35		
Y3QP6	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	14	S: 11/15/2007	11:55		
Y3QP7	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	15	S: 11/15/2007	12:15		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.5	Chain of Custody Seal Number: NA
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: 9-403413243-111507-0001

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LABORATORY COPY

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

Case No: 36912
DAS No:
SDG No: Y3QN3

L

444

Date Shipped:	11/16/2007
Carrier Name:	FedEx
Airbill:	799223466278
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		11/16/07 1400		
2				
3				
4			Christiann Bottoms	11/17/07 1035

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
Y3QP8	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	16	S: 11/16/2007	8:40		
Y3QQ0	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	18	S: 11/16/2007	9:55		
Y3QQ1	Ground Water/ MIKE PALM	L/G	VOA (21)	(HCL) (3)	19	S: 11/16/2007	11:00		

SDG Y3QN3 last sample Y3QQ1

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4.7	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: 9-403413243-111607-0001

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

LABORATORY COPY

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name: Shealy Environmental Services Inc		Page 1 of 1
Received By (Print Name): Eleanor Cuaresma		Log-in Date: 11/15/07
Received By (Signature):		
Case Number: 36912	Sample Delivery Group No.: Y3QN3	Mod. Ref. No.: 1391.1

Remarks:

1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	NA
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	7992 2181 6363
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	5.7
10. Does information on TR/COCs and sample tags agree?	Yes/No*
11. Date Received at Laboratory	11/15/07
12. Time Received	0935

Sample Transfer

Fraction	VOA	Fraction	
Area #	Friday	Area #	
By		By	
On	11-15-07	On	

EPA Sample #	Corresponding: Sample Tag #	Corresponding: Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
Y3QN3	NA	EK15003-001	ok
Y3QN4		-002	
Y3QN5		-003	
Y3QN6		-004	
Y3QN7		-005	
Y3QN8		-006	
Y3QN9		-007	

11-15-2007

* Contact SMO and attach record of resolution.

Reviewed By		Logbook No.	na
Date	11/16/07	Logbook Page No.	na

SAMPLE LOG-IN SHEET
FORM DC-1

Lab Name: Shaky Environmental Services Inc		Page 1 of 1
Received By (Print Name): Eleanor Cuarisma		Log-in Date: 11-16-07
Received By (Signature):		
Case Number: 36912	Sample Delivery Group No.: Y3GN3	Mod. Ref. No.: 1391.1

Remarks:

1. Custody Seal(s): Present/Absent* Intact/Broken
2. Custody Seal Nos.: NA
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists: Present/Absent*
4. Airbill: Airbill/Sticker Present/Absent*
5. Airbill No.: 7983 0479 6753
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: 3.5
10. Does information on TR/COCs and sample tags agree?: Yes/No*
11. Date Received at Laboratory: 11-16-07
12. Time Received: 0935

EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
Y3GP6	NA	IK16006-001	NA
Y3GP1		-002	
Y3GP2		-003	
Y3GP3		-004	
Y3GP4		-005	
Y3GP5		-006	
Y3GP6		-007	
Y3GP7		-008	

Sample Transfer

Fraction: VOA	Fraction
Area #: Fridge #7	Area #
By:	By
On: 11-16-07	On

11-16-2007

* Contact SMO and attach record of resolution.

Reviewed By:	Logbook No.: na
Date: 11/19/07	Logbook Page No.: na

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: 11/17/07
Received By (Signature): Christiann Boutwell		
Case Number: 36912	Sample Delivery Group No.: Y3QN3	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	Y3QP8		IK15003-009	OK
2. Custody Seal Nos.	N/A	Y3QQ0		-010	
3. Traffic Reports/ Chain of Custody Records (TR/COCs) or Packing Lists	Present/Absent*	Y3QQ1		-011	
4. Airbill	Airbill/Sticker Present/Absent*				
5. Airbill No.	790875792291				
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	4.7°C				
10. Does information on TR/COCs and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	11/17/07				
12. Time Received	1035				

Christiann Boutwell 11/17/07

Sample Transfer	
Fraction	Fraction
Area #	Area #
By Christiann Boutwell	By
On 11/17/07	On

* Contact SMO and attach record of resolution.

Reviewed By: [signature]	Logbook No.: na
Date: 11/19/07	Logbook Page No.: na

SOM01.1 (5/2005)

Robert Zhu

From: "Kramer, Caroline" <ckramer5@fedcsc.com>
To: "Shirani Wickramasinghe" <swickramasinghe@shealylab.com>; "Dr. Robert Zhu" <rzhu@shealylab.com>
Cc: "Mary O'Donnell" <Odonnell.Mary@epamail.epa.gov>; "R9" <R9RSCC@epa.gov>
Sent: Friday, November 16, 2007 1:23 PM
Subject: Region 09 | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC | FINAL

Shirani,
Summary Start
Issue: The lab received samples on 11/15 for Case 36912. The TR/COC lists the analysis as VOA; however per Scheduling the analysis should be TVOA.
Resolution: Per Region 9, the laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples as scheduled, TVOA.
Summary End

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Odonnell.Mary@epamail.epa.gov
[mailto:Odonnell.Mary@epamail.epa.gov] On Behalf Of R9RSCC@epamail.epa.gov
Sent: Friday, November 16, 2007 12:24 PM
To: Kramer, Caroline
Subject: Re: (11-13) | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC

Hi Caroline,

Please have the lab analyze the samples as scheduled, for TVOA.

****
Region 9 RSCC

EPA Region 9 Laboratory
Office: 510-412-2389
Fax: 510-412-2302
email: R9RSCC@epa.gov
****

"Kramer, Caroline" <ckramer5@fedcsc.com>
11/16/2007 07:16 AM

To: Mary ODonnell/R9/USEPA/US@EPA, R9RSCC@EPA
cc:
Subject: (11-13) | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC

Mary,
SHEALY is reporting the following issue regarding Case 36912. Please advise on how the Region wishes the lab to proceed.

Issue: The lab received samples on 11/15 for Case 36912. The TR/COC lists the analysis as VOA; however per Scheduling the analysis should be TVOA.

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

From: Shirani Wickramasinghe [mailto:swickramasinghe@shealylab.com]
Sent: Friday, November 16, 2007 10:11 AM
To: Kramer, Caroline
Cc: Robert Zhu
Subject: case 36912

Caroline,

We received samples from case 36912 yesterday. The TR has the analysis listed as VOA however, the scheduling requested TVOA. Can you please confirm that theses samples need TVOA?

Thanks,

Shirani Wickramasinghe
Project Manager
Shealy Environmental Services, Inc.
803-791-9700 Ext. 118

803-227-3154 direct dial
swickramasinghe@shealylab.com

Robert Zhu

From: "Kramer, Caroline" <ckramer5@fedcsc.com>
To: "Shirani Wickramasinghe" <swickramasinghe@shealylab.com>; "Dr. Robert Zhu" <rzhu@shealylab.com>
Cc: "Mary O'Donnell" <Odonnell.Mary@epamail.epa.gov>; "R9" <R9RSCC@epa.gov>
Sent: Monday, November 19, 2007 7:52 AM
Subject: Region 09 | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC | FINAL

Shirani,
Summary Start
Issue: The laboratory received two samples that have labels that do not match up with the TR/COC. Sample Y3QP7 is listed on the TR with a collection time of 1215; however there is no sample labeled Y3QP7. There is a sample collected at 1215 which is labeled Y3QP6. On the TR there is sample Y3QP6 collected at 1155; however the collection time of 1155 matched the sample labeled Y3QP5. Although there is another sample collected at 1135 labeled as Y3QP5.
Resolution: Per Region 9, the correct sample ID's and collection times are as follows;
Y3QP4 sample time 1100
Y3QP5 sample time 1135
Y3QP6 sample time 1155
Y3QP7 sample time 1215
Therefore, the Y3QP5 (1155) sample should be Y3QP6 and the Y3QP6 (1215) sample should be Y3QP7.The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

This is a PRIVATE message. If you are not the intended recipient, please delete without copying and kindly advise us by e-mail of the mistake in delivery. NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

-----Original Message-----
From: Benjamin.Lechler@ch2m.com [mailto:Benjamin.Lechler@ch2m.com]
Sent: Friday, November 16, 2007 7:00 PM
To: Odonnell.Mary@epamail.epa.gov; michael.palm@ch2m.com
Cc: Kramer, Caroline; R9RSCC@epamail.epa.gov

Subject: RE: (11-14) | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC

This is what Mike sent, don't think Caroline was on the list though.

This is what I have for the samples on my sheet. Samples times should be correct with the ID listed below.
Y3QP4 sample time 1100
Y3QP5 sample time 1135
Y3QP6 sample time 1155
Y3QP7 sample time 1215

He said the bottles have the correct times on them and that the COC was correct, so the Y3QP5 (1155) sample should be Y3QP6 and the Y3QP6 (1215) sample should be Y3QP7.

Please let me know if we need more clarification.

Thanks,

BJ

Benjamin J. Lechler, P.G.
Associate Hydrogeologist
CH2M HILL/SCO
(direct) 714-435-6283
(cell) 714-697-4203
(fax) 714-424-2233

-----Original Message-----
From: Odonnell.Mary@epamail.epa.gov
[mailto:Odonnell.Mary@epamail.epa.gov]
Sent: Friday, November 16, 2007 10:58 AM
To: Palm, Michael/SCO
Cc: Lechler, Benjamin/SCO; Kramer, Caroline; R9RSCC@epamail.epa.gov
Subject: Fw: (11-14) | Case 36912 | Lab SHEALY | Issue Discrepancies with tags, jars, and/or TR/COC

Hi Mike,

Can you help us out with this question/issue from Shealy Lab? Please send any response directly to Caroline Kramer, with a cc to r9rscc@epa.gov. Thanks,

Mary

----- Forwarded by Mary ODonnell/R9/USEPA/US on 11/16/2007 10:52 AM -----

"Kramer,

Caroline"
<ckramer5@fedcsc
.com>

To
Mary ODonnell/R9/USEPA/US@EPA,
R9RSCC@EPA

11/16/2007 10:39
AM

cc

Subject
(11-14) | Case 36912 | Lab SHEALY
| Issue Discrepancies with tags,
jars, and/or TR/COC

Mary,
SHEALY is reporting the following issue regarding Case 36912. Please advise on how the Region wishes the laboratory to proceed.

Issue: The laboratory received two samples that have labels that do not match up with the TR/COC. Sample Y3QP7 is listed on the TR with a collection time of 1215; however there is no sample labeled Y3QP7. There is a sample collected at 1215 which is labeled Y3QP6. On the TR there is sample Y3QP6 collected at 1155; however the collection time of 1155 matched the sample labeled Y3QP5. Although there is another sample collected at 1135 labeled as Y3QP5. TR/COC is attached for a reference.

Please let me know if you have any questions or problems.
Thank you,

Caroline L. Kramer
ckramer5@fedcsc.com
Computer Sciences Corporation (CSC)
703.818.4248

From: Shirani Wickramasinghe [mailto:swickramasinghe@shealylab.com]
Sent: Friday, November 16, 2007 11:36 AM
To: Kramer, Caroline
Cc: Robert Zhu
Subject: case 36912 received 11/16

Caroline,
We received samples from case 36912 this morning. Two of the labels on the sample containers do not match up with the TR. On the TR there is a sample Y3QP7 collected at 1215 however, there is no sample labeled Y3QP7. There is a sample collected at 1215 which is labeled Y3QP6. Also, on the TR there is a sample Y3QP6 collected at 1155; the collection time 1155 matches up with a sample labeled Y3QP5. But there is already another sample collected at 1135 labeled as Y3QP5. Please advise. I have attached a copy of the TR.
Thanks,

Shirani Wickramasinghe
Project Manager
Shealy Environmental Services, Inc.
803-791-9700 Ext. 118
803-227-3154 direct dial
swickramasinghe@shealylab.com

(See attached file: Scan20071116113520422.pdf)

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:

SHEALY Environmental Services, Inc.

106 Vantage Point Drive • West Columbia, South Carolina 29172

Phone. 803.791.9700 • Fax. 803.791.9111 • www.shealylab.com

December 05, 2007

RE: Case 36912, SDG Y3QN3 Resubmission

To Whom It May Concern:

In the original submission, the "Mod. Ref. No." was incorrectly entered on all forms. The revised forms are included in this submission.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Robert Zhu
Technical Director 12/5/07

Enclosure

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.: Y3QN3

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLK19	110	89	72	133	90	102	91
02	Y3QN3	174 *	155 *	104	107	111	112	116
03	Y3QN4	169 *	154 *	101	100	113	107	115
04	Y3QN5	154 *	154 *	99	108	113	111	114
05	VBLK20	119	82	73	115	89	103	92
06	Y3QN5DL	156 *	156 *	103	112	115	114	117
07	Y3QN6MS	166 *	157 *	139 *	115	114	114	117
08	Y3QN6MSD	158 *	136 *	127 *	106	108	109	111
09	Y3QN6	172 *	158 *	106 *	112	118	116	120
10	Y3QN7	167 *	164 *	104	109	116	117	117
11	Y3QN8	184 *	171 *	109 *	102	119	116	120
12	Y3QN9	177 *	171 *	105 *	120	124 *	123	124
13	VHBLK33RE	154 *	149 *	96	108	110	109	109
14	VHBLK33	158 *	153 *	100	111	112	112	113
15	Y3QP8	172 *	157 *	108 *	114	119	118	121
16	Y3QQ0	172 *	163 *	120 *	113	118	119	122
17	Y3QQ0DL	165 *	151 *	101	105	109	109	110
18	Y3QQ1	168 *	157 *	106 *	119	116	118	118
19	Y3QP0	175 *	162 *	107 *	115	118	117	118
20	Y3QP1	171 *	154 *	100	110	113	113	117
21	Y3QP2	174 *	164 *	105 *	110	118	115	120
22	Y3QP3	171 *	162 *	103	106	115	114	118
23	Y3QP4	166 *	151 *	100	109	110	110	113
24	Y3QP5	166 *	153 *	98	104	111	111	114
25	Y3QP6	169 *	154 *	103	113	119	119	122
26	Y3QP7	155 *	139 *	94	100	104	103	106
27								
28								
29								
30								

	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.: Y3QN3

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT
01	VBLK19	87	88	96	125		96	98	0
02	Y3QN3	103	113	105	109		99	113	2
03	Y3QN4	103	113	94	107		99	113	3
04	Y3QN5	104	109	99	110		103	113	2
05	VBLK20	88	89	93	114		98	98	0
06	Y3QN5DL	106	114	102	112		105	115	2
07	Y3QN6MS	105	113	101	114		102	112	3
08	Y3QN6MSD	99	108	94	107		100	109	3
09	Y3QN6	108	116	103	112		106	117	3
10	Y3QN7	106	113	101	111		102	115	2
11	Y3QN8	109	117	94	111		103	117	3
12	Y3QN9	111	118	103	119		111	121	4
13	VHBLK33RE	98	105	90	105		99	107	2
14	VHBLK33	101	109	93	108		102	110	2
15	Y3QP8	108	119	103	112		105	118	3
16	Y3QQ0	111	120	105	116		107	120	3
17	Y3QQ0DL	100	108	91	104		97	108	2
18	Y3QQ1	106	115	100	116		110	116	3
19	Y3QP0	106	113	99	112		104	113	3
20	Y3QP1	105	112	86	109		101	113	2
21	Y3QP2	106	113	90	112		108	114	4
22	Y3QP3	106	114	91	108		104	112	3
23	Y3QP4	102	109	88	108		99	109	2
24	Y3QP5	103	108	91	107		97	111	2
25	Y3QP6	108	117	105	113		102	120	2
26	Y3QP7	95	102	90	99		91	105	2
27									
28									
29									
30									

	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

SOM01.2 (10/2006)

3A - FORM III VOA-1
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE 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.: Y3QN3

Matrix Spike - EPA Sample No.: Y3QN6 Level: (TRACE or LOW) Trace

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	#	QC LIMITS REC.
1,1-Dichloroethene	5.0	0.092	6.7	134		61-145
Trichloroethene	5.0	6.2	9.2	59	*	71-120
Benzene	5.0		5.9	118		76-127
Toluene	5.0		6.0	119		76-125
Chlorobenzene	5.0		5.5	110		75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	5.0	5.5	110		20	*	0-14	61-145
Trichloroethene	5.0	9.6	66	*	11		0-14	71-120
Benzene	5.0	4.9	99		18	*	0-11	76-127
Toluene	5.0	5.1	101		16	*	0-13	76-125
Chlorobenzene	5.0	4.6	93		17	*	0-13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC Limits

RPD: 4 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS:

EPA SAMPLE NO.

VBLK19

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.: Y3QN3

Lab File ID: 81119A10 Lab Sample ID: IQ68091-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/19/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1132

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	Y3QN3	IK15003-001	81119A11	1212
02	Y3QN4	IK15003-002	81119A12	1234
03	Y3QN5	IK15003-003	81119A13	1256
04	Y3QN6	IK15003-004	81119A20	1530
05	Y3QN7	IK15003-005	81119A21	1552
06	Y3QN8	IK15003-006	81119A22	1614
07	Y3QN9	IK15003-007	81119A23	1636
08	Y3QP0	IK16006-001	81119A24	1658
09				
10				
11				
12				
13				
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COMMENTS:

EPA SAMPLE NO.

VBLK20

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.: Y3QN3

Lab File ID: 81120B07 Lab Sample ID: IQ68205-001

Instrument ID: MSD8

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 11/20/2007

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 0954

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	Y3QP1	IK16006-002	81120B13	1227
02	Y3QP2	IK16006-003	81120B14	1249
03	Y3QP3	IK16006-004	81120B15	1311
04	Y3QP4	IK16006-005	81120B16	1332
05	Y3QP5	IK16006-006	81120B17	1354
06	Y3QN6MS	IK15003-004MS	81120B18	1427
07	Y3QN6MSD	IK15003-004MD	81120B19	1449
08	Y3QN5DL	IK15003-003	81120B20	1511
09	Y3QP6	IK16006-007	81120B21	1533
10	Y3QP8	IK15003-009	81120B23	1618
11	Y3QQ0	IK15003-010	81120B24	1640
12	Y3QQ1	IK15003-011	81120B25	1702
13	Y3QP7	IK16006-008	81120B26	1723
14	Y3QQ0DL	IK15003-010	81120B27	1745
15	VHBLK33	IK15003-008	81120B30	1851
16	VHBLK33RE	IK15003-008	81120B31	1913
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COMMENTS:

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

EPA SAMPLE NO.
BFB19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Lab File ID: 81119A01 BFB Injection Date: 11/19/2007

Instrument ID: MSD8 BFB Injection Time: 0649

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 80.0% of mass 95	43.6
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	82.1
175	5.0 - 9.0% of mass 174	6.0 (7.4) 1
176	95.0 - 101% of mass 174	79.1 (96.4) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 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	VSTD02019	VSTD02019	81119A02	11/19/2007	0704
02	VSTD01019	VSTD01019	81119A03	11/19/2007	0726
03	VSTD00519	VSTD00519	81119A04	11/19/2007	0748
04	VSTD00119	VSTD00119	81119A05	11/19/2007	0810
05	VSTD0.519	VSTD0.519	81119A06	11/19/2007	0832
06	VBLK19	IQ68091-001	81119A10	11/19/2007	1132
07	Y3QN3	IK15003-001	81119A11	11/19/2007	1212
08	Y3QN4	IK15003-002	81119A12	11/19/2007	1234
09	Y3QN5	IK15003-003	81119A13	11/19/2007	1256
10	Y3QN6	IK15003-004	81119A20	11/19/2007	1530
11	Y3QN7	IK15003-005	81119A21	11/19/2007	1552
12	Y3QN8	IK15003-006	81119A22	11/19/2007	1614
13	Y3QN9	IK15003-007	81119A23	11/19/2007	1636
14	Y3QP0	IK16006-001	81119A24	11/19/2007	1658
15	VSTD005B9	VSTD005B9	81119A28	11/19/2007	1825
16					
17					
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19					
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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFB20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Lab File ID: 81120B04 BFB Injection Date: 11/20/2007

Instrument ID: MSD8 BFB Injection Time: 0846

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	15.5	
75	30.0 - 80.0% of mass 95	44.0	
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	81.3	
175	5.0 - 9.0% of mass 174	6.0	(7.4) 1
176	95.0 - 101% of mass 174	79.8	(98.1) 1
177	5.0 - 9.0% of mass 176	5.1	(6.4) 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	VSTD00520	VSTD00520	81120B05	11/20/2007	0855
02	VBLK20	IQ68205-001	81120B07	11/20/2007	0954
03	Y3QP1	IK16006-002	81120B13	11/20/2007	1227
04	Y3QP2	IK16006-003	81120B14	11/20/2007	1249
05	Y3QP3	IK16006-004	81120B15	11/20/2007	1311
06	Y3QP4	IK16006-005	81120B16	11/20/2007	1332
07	Y3QP5	IK16006-006	81120B17	11/20/2007	1354
08	Y3QN6MS	IK15003-004MS	81120B18	11/20/2007	1427
09	Y3QN6MSD	IK15003-004MD	81120B19	11/20/2007	1449
10	Y3QN5DL	IK15003-003	81120B20	11/20/2007	1511
11	Y3QP6	IK16006-007	81120B21	11/20/2007	1533
12	Y3QP8	IK15003-009	81120B23	11/20/2007	1618
13	Y3QQ0	IK15003-010	81120B24	11/20/2007	1640
14	Y3QQ1	IK15003-011	81120B25	11/20/2007	1702
15	Y3QP7	IK16006-008	81120B26	11/20/2007	1723
16	Y3QQ0DL	IK15003-010	81120B27	11/20/2007	1745
17	VHBLK33	IK15003-008	81120B30	11/20/2007	1851
18	VHBLK33RE	IK15003-008	81120B31	11/20/2007	1913
19	VSTD005C0	VSTD005C0	81120B32	11/20/2007	1934
20					
21					
22					

GGC13

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.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00519 Date Analyzed: 11/19/2007

Lab File ID (Standard): 81119A04 Time Analyzed: 0748

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	401029		9.253		440828		5.314		230063		11.551	
	UPPER LIMIT	561441		9.583		617159		5.644		322088		11.881	
	LOWER LIMIT	240617		8.923		264497		4.984		138038		11.221	
	EPA SAMPLE NO.												
01	VBLK19	400580		9.252		447189		5.313		219221		11.55	
02	Y3QN3	402023		9.253		448325		5.314		218176		11.55	
03	Y3QN4	385961		9.253		426372		5.314		209962		11.55	
04	Y3QN5	385491		9.253		424767		5.314		210242		11.55	
05	Y3QN6	375017		9.253		415815		5.313		201474		11.55	
06	Y3QN7	372429		9.253		408668		5.313		199864		11.55	
07	Y3QN8	369929		9.253		403078		5.314		199828		11.55	
08	Y3QN9	376946		9.253		412353		5.314		203901		11.55	
09	Y3QP0	367710		9.253		401821		5.313		202178		11.55	
10													
11													
12													
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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.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005B9 Date Analyzed: 11/19/2007

Lab File ID (Standard): 81119A28 Time Analyzed: 1825

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	389754		9.253		428543		5.314		225606		11.551	
	UPPER LIMIT	545656		9.583		599960		5.644		315848		11.881	
	LOWER LIMIT	233852		8.923		257126		4.984		135364		11.221	
	EPA SAMPLE NO.												
01	VBLK19	400580		9.252		447189		5.313		219221		11.55	
02	Y3QN3	402023		9.253		448325		5.314		218176		11.55	
03	Y3QN4	385961		9.253		426372		5.314		209962		11.55	
04	Y3QN5	385491		9.253		424767		5.314		210242		11.55	
05	Y3QN6	375017		9.253		415815		5.313		201474		11.55	
06	Y3QN7	372429		9.253		408668		5.313		199864		11.55	
07	Y3QN8	369929		9.253		403078		5.314		199828		11.55	
08	Y3QN9	376946		9.253		412353		5.314		203901		11.55	
09	Y3QP0	367710		9.253		401821		5.313		202178		11.55	
10													
11													
12													
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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.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00520 Date Analyzed: 11/20/2007

Lab File ID (Standard): 81120B05 Time Analyzed: 0855

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	410390		9.253		452780		5.314		237350		11.551	
	UPPER LIMIT	574546		9.583		633892		5.644		332290		11.881	
	LOWER LIMIT	246234		8.923		271668		4.984		142410		11.221	
	EPA SAMPLE NO.												
01	VBLK20	411444		9.253		464051		5.313		227029		11.55	
02	Y3QN5DL	381448		9.253		421006		5.314		209511		11.55	
03	Y3QN6MS	386203		9.253		435728		5.313		209046		11.55	
04	Y3QN6MSD	382406		9.253		423715		5.314		207588		11.55	
05	VHBLK33RE	373631		9.253		408015		5.314		202652		11.55	
06	VHBLK33	363887		9.253		397522		5.314		199122		11.55	
07	Y3QP8	381461		9.253		418805		5.314		206103		11.55	
08	Y3QQ0	375607		9.253		416449		5.313		203741		11.55	
09	Y3QQ0DL	369273		9.253		403168		5.314		199079		11.55	
10	Y3QQ1	372156		9.253		406986		5.314		207432		11.55	
11	Y3QP1	386198		9.253		427369		5.313		212884		11.55	
12	Y3QP2	381036		9.253		420780		5.313		211472		11.55	
13	Y3QP3	379919		9.253		423243		5.313		207968		11.55	
14	Y3QP4	387048		9.253		425059		5.313		210645		11.55	
15	Y3QP5	377650		9.253		415609		5.314		205657		11.55	
16	Y3QP6	383968		9.253		421481		5.313		206758		11.55	
17	Y3QP7	375389		9.253		412398		5.314		201485		11.55	
18													
19													
20													
21													
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.: Y3QN3

GC Column: DB-624 ID: 0.18 (mm) Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005C0 Date Analyzed: 11/20/2007

Lab File ID (Standard): 81120B32 Time Analyzed: 1934

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

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	380764		9.253		414124		5.314		225886		11.551	
	UPPER LIMIT	533070		9.583		579774		5.644		316240		11.881	
	LOWER LIMIT	228458		8.923		248474		4.984		135532		11.221	
	EPA SAMPLE NO.												
01	VBLK20	411444		9.253		464051		5.313		227029		11.55	
02	Y3QN5DL	381448		9.253		421006		5.314		209511		11.55	
03	Y3QN6MS	386203		9.253		435728		5.313		209046		11.55	
04	Y3QN6MSD	382406		9.253		423715		5.314		207588		11.55	
05	VHBLK33RE	373631		9.253		408015		5.314		202652		11.55	
06	VHBLK33	363887		9.253		397522		5.314		199122		11.55	
07	Y3QP8	381461		9.253		418805		5.314		206103		11.55	
08	Y3QQ0	375607		9.253		416449		5.313		203741		11.55	
09	Y3QQ0DL	369273		9.253		403168		5.314		199079		11.55	
10	Y3QQ1	372156		9.253		406986		5.314		207432		11.55	
11	Y3QP1	386198		9.253		427369		5.313		212884		11.55	
12	Y3QP2	381036		9.253		420780		5.313		211472		11.55	
13	Y3QP3	379919		9.253		423243		5.313		207968		11.55	
14	Y3QP4	387048		9.253		425059		5.313		210645		11.55	
15	Y3QP5	377650		9.253		415609		5.314		205657		11.55	
16	Y3QP6	383968		9.253		421481		5.313		206758		11.55	
17	Y3QP7	375389		9.253		412398		5.314		201485		11.55	
18													
19													
20													
21													
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.

0007

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

EPA SAMPLE NO.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.089	J
75-01-4	Vinyl chloride	0.56	
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	0.082	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	1.4	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.14	JB
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.
Y3QN3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A11

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.072	J
75-01-4	Vinyl chloride	0.30	J
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	0.077	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	1.4	
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.25	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	0.13	JB
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.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.053	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.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

00034

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

EPA SAMPLE NO.
Y3QN4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A12

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.66	NJ
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.

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

EPA SAMPLE NO.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.43	J
74-87-3	Chloromethane	0.56	
75-01-4	Vinyl chloride	0.069	J
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	0.14	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	0.14	J
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	1.8	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.60	B
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.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	21	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	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	0.18	J
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.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
Y3QN5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A13

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.59	NJ
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.

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	0.27	J D
74-87-3	Chloromethane	0.16	J DB
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	0.59	J DB
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	D
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	0.56	J DB
71-55-6	1,1,1-Trichloroethane	1.0	U
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	0.11	J D
107-06-2	1,2-Dichloroethane	1.0	U

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

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	14	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.11	J D
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.12	J D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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	10	U

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

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

EPA SAMPLE NO.
Y3QN5DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B20

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 2.0

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.

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

EPA SAMPLE NO.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.092	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	0.23	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	5.2	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.55	B
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.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	6.2	
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.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
Y3QN6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A20

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.

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

EPA SAMPLE NO.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.078	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	0.082	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	0.24	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	1.4	
78-93-3	2-Butanone	0.20	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.56	B
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.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	2.8	
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	0.059	J
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.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
Y3QN7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A21

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.56	NJ
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.

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

EPA SAMPLE NO.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.067	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	0.087	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	1.1	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.15	JB
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.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.094	J
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	0.10	J
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.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
Y3QN8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A22

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.62	NJ
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.

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

EPA SAMPLE NO.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	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	0.084	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	0.088	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.25	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	1.7	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.68	B
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.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	3.5	
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	0.061	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	0.063	J
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

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

EPA SAMPLE NO.
Y3QN9

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A23

Level: (TRACE or LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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.

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

EPA SAMPLE NO.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.15	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	0.092	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	59	
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.29	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.067	J
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	2.5	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.13	JB
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.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.21	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	0.071	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.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	12	

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

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

EPA SAMPLE NO.
Y3QP0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A24

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/19/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.54	NJ
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.

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

EPA SAMPLE NO.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.090	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.7	JB
75-15-0	Carbon Disulfide	1.1	
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.085	JB
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.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-002

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B13

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.68	NJ
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.

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

EPA SAMPLE NO.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.50	U
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	0.21	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.085	JB
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	0.050	J
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.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.73	
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.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP2

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-003

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B14

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.55	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.

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

EPA SAMPLE NO.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.5	JB
75-15-0	Carbon Disulfide	0.11	J
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	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.095	JB
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.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.065	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	0.51	
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.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP3

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-004

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B15

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.085	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.3	JB
75-15-0	Carbon Disulfide	0.078	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.21	JB
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.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.83	
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	6.9	
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.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP4

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-005

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B16

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.082	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	0.10	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.28	JB
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.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	1.4	
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	1.9	
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.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP5

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-006

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B17

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.77	J
02	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.82	NJ
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.

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

EPA SAMPLE NO.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.052	J
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	0.088	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	0.25	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	0.31	JB
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.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	1.3	
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	0.071	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	2.0	
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.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP6

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-007

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B21

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.774	0.58	NJ
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.

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

EPA SAMPLE NO.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.074	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	58	B
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	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	0.10	JB
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.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.28	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	0.096	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.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE/LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	14	

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

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

EPA SAMPLE NO.
Y3QP7

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK16006-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B26

Level: (TRACE or LOW/MED) TRACE Date Received: 11/16/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.56	NJ
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.

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

EPA SAMPLE NO.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.085	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	0.26	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	0.20	JB
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.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.076	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.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QP8

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-009

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B23

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.28	J
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	2.4	B
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.21	J
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	0.28	JB
156-60-5	trans-1,2-Dichloroethene	0.20	J
1634-04-4	Methyl tert-butyl ether	0.21	J
75-34-3	1,1-Dichloroethane	0.25	J
156-59-2	cis-1,2-Dichloroethene	4.0	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.0	B
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	1.2	
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.61	

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

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

EPA SAMPLE NO.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	200	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	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.15	J
127-18-4	Tetrachloroethene	13	
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.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QQ0

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B24

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3.8	J DB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	15	J DB
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	7.9	J DB
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	3.7	J D
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	2.6	J DB
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

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

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	170	D
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	1.8	J D
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	12	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
95-47-6	o-Xylene	10	U
179601-23-1	m,p-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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	100	U

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

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

EPA SAMPLE NO.
Y3QQ0DL

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-010

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B27

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 20.0

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.

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

EPA SAMPLE NO.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.083	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	63	B
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.27	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	0.11	JB
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.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	0.29	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.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE/LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	17	

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

00328

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

EPA SAMPLE NO.
Y3QQ1

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-011

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B25

Level: (TRACE or LOW/MED) TRACE Date Received: 11/17/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	104-76-7	1-Hexanol, 2-ethyl-	11.775	0.60	NJ
02					
03					
04					
05					
06					
07					
08					
09					
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11					
12					
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20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796[1]	Total Alkanes	N/A		

[1]EPA-designated Registry Number.

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.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05
RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.1366	0.1416	0.1753	0.1519	0.1897	0.1590	14.3
Chloromethane	0.3613	0.3621	0.2574	0.2578	0.2959	0.3069	17.1
Vinyl chloride	0.2840	0.3161	0.2640	0.2564	0.3014	0.2844	8.8
Bromomethane	0.2086	0.2304	0.1736	0.1520	0.1898	0.1909	15.9
Chloroethane	0.1865	0.1907	0.1387	0.1077	0.1558	0.1559	22.1
Trichlorofluoromethane	0.1581	0.1787	0.2417	0.2209	0.2862	0.2171	23.4
1,1-Dichloroethene	0.2373	0.2459	0.2063	0.2019	0.2429	0.2269	9.3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1573	0.1876	0.1670	0.2263	0.2414	0.1959	18.7
Acetone	0.0659	0.0666	0.0511	0.0633	0.0559	0.0606	11.2
Carbon Disulfide	0.7257	0.7794	0.6754	0.6695	0.8011	0.7302	8.1
Methyl acetate	0.2146	0.2146	0.1494	0.1601	0.2286	0.1935	18.6
Methylene chloride	0.4324	0.3918	0.2590	0.2544	0.2817	0.3239	25.5
trans-1,2-Dichloroethene	0.2688	0.2842	0.2124	0.2175	0.2421	0.2450	12.8
Methyl tert-butyl ether	0.7955	0.8189	0.6194	0.6266	0.7024	0.7126	13.0
1,1-Dichloroethane	0.4672	0.5007	0.3743	0.3733	0.4172	0.4265	13.3
cis-1,2-Dichloroethene	0.2943	0.3201	0.2340	0.2371	0.2606	0.2692	13.9
2-Butanone	0.1100	0.1133	0.0917	0.1149	0.1133	0.1086	8.9
Bromochloromethane	0.1466	0.1477	0.1119	0.1113	0.1221	0.1279	14.1
Chloroform	0.4772	0.4891	0.3562	0.3644	0.3975	0.4169	15.0
1,1,1-Trichloroethane	0.2973	0.3272	0.2743	0.2770	0.3098	0.2971	7.5
Cyclohexane	0.4126	0.3748	0.3789	0.3355	0.3998	0.3803	7.7
Carbon tetrachloride	0.0684	0.0745	0.0732	0.0741	0.0879	0.0756	9.6
Benzene	1.2461	1.3181	0.9511	0.9708	1.0397	1.1051	15.1
1,2-Dichloroethane	0.3118	0.3217	0.2387	0.2418	0.2753	0.2779	13.8
Trichloroethene	0.3019	0.3232	0.2369	0.2442	0.2552	0.2723	14.0
Methylcyclohexane	0.4120	0.4163	0.4338	0.4008	0.4661	0.4258	6.0

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

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.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05
RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.3095	0.3303	0.2409	0.2413	0.2623	0.2769	14.8
Bromodichloromethane	0.3391	0.3511	0.2673	0.2786	0.3101	0.3092	11.8
cis-1,3-Dichloropropene	0.4089	0.4616	0.3624	0.3785	0.4198	0.4062	9.5
4-Methyl-2-pentanone	0.2343	0.2550	0.2091	0.2694	0.2705	0.2477	10.5
Toluene	1.2179	1.2975	0.9618	0.9888	1.0579	1.1048	13.3
trans-1,3-Dichloropropene	0.3580	0.3981	0.3221	0.3373	0.3803	0.3592	8.6
1,1,2-Trichloroethane	0.2476	0.2623	0.1956	0.1963	0.2123	0.2228	13.7
Tetrachloroethene	0.2134	0.2200	0.1815	0.1834	0.2019	0.2000	8.7
2-Hexanone	0.1799	0.1963	0.1600	0.2044	0.2044	0.1890	10.1
Dibromochloromethane	0.2321	0.2532	0.2006	0.2094	0.2379	0.2266	9.4
1,2-Dibromoethane	0.2481	0.2643	0.1969	0.1981	0.2191	0.2253	13.4
Chlorobenzene	0.8816	0.9090	0.6656	0.6703	0.7176	0.7688	15.3
Ethylbenzene	1.2357	1.3510	1.0517	1.0859	1.1854	1.1819	10.2
o-Xylene	0.4896	0.5390	0.4213	0.4326	0.4759	0.4717	10.0
m,p-Xylene	0.4789	0.5414	0.4208	0.4410	0.4781	0.4720	9.8
Styrene	0.7622	0.8744	0.7066	0.7362	0.8083	0.7775	8.5
Bromoform	0.2179	0.2467	0.2108	0.2175	0.2566	0.2299	8.8
Isopropylbenzene	1.1510	1.2882	1.0525	1.0882	1.1835	1.1527	7.9
1,1,2,2-Tetrachloroethane	0.3233	0.3462	0.2658	0.2631	0.3088	0.3015	12.0
1,3-Dichlorobenzene	1.2653	1.3551	1.0090	0.9694	1.0409	1.1280	15.2
1,4-Dichlorobenzene	1.3690	1.4290	1.0452	1.0190	1.0872	1.1899	16.3
1,2-Dichlorobenzene	1.2363	1.3112	0.9847	0.9588	1.0380	1.1058	14.3
1,2-Dibromo-3-chloropropane	0.0907	0.0956	0.0785	0.0799	0.0910	0.0871	8.6
1,2,4-Trichlorobenzene	0.8893	1.0085	0.7765	0.7622	0.8344	0.8542	11.7
1,2,3-Trichlorobenzene	0.8593	0.9288	0.7173	0.6996	0.7301	0.7870	12.9

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.: Y3QN3

Instrument ID: MSD8 Calibration Date(s): 11/19/2007 11/19/2007

Heated Purge: (Y/N) Y Calibration Time(s): 0704 0832

Purge Volume: 25.0 (mL)

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

LAB FILE ID: RRF 0.5 = 81119A06 RRF 1.0 = 81119A05
RRF 5.0 = 81119A04 RRF 10 = 81119A03 RRF 20 = 81119A02

COMPOUND	RRF 0.5	RRF 1.0	RRF 5.0	RRF 10	RRF 20	$\overline{RRF}$	%RSD
Vinyl Chloride-d3	0.1069	0.1065	0.0846	0.0902	0.0960	0.0968	10.1
Chloroethane-d5	0.1302	0.1557	0.1010	0.0843	0.1172	0.1177	23.3
1,1-Dichloroethene-d2	0.4346	0.4690	0.3988	0.3872	0.4652	0.4310	8.7
2-Butanone-d5	0.1033	0.1096	0.0886	0.1124	0.1111	0.1050	9.3
Chloroform-d	0.4878	0.5195	0.3968	0.3957	0.4410	0.4482	12.3
1,2-Dichloroethane-d4	0.2748	0.2599	0.1961	0.1966	0.2243	0.2303	15.6
Benzene-d6	1.2611	1.2996	0.9479	0.9638	1.0332	1.1011	15.2
1,2-Dichloropropane-d6	0.4144	0.4250	0.3150	0.3178	0.3455	0.3635	14.5
Toluene-d8	1.0535	1.1222	0.8355	0.8550	0.9119	0.9556	13.2
trans-1,3-Dichloropropene-d4	0.6127	0.6734	0.5305	0.5538	0.6086	0.5958	9.4
2-Hexanone-d5	0.0989	0.1096	0.0951	0.1234	0.1267	0.1107	12.8
1,1,2,2-Tetrachloroethane-d2	0.3317	0.3524	0.2737	0.2701	0.3159	0.3088	11.7
1,2-Dichlorobenzene-d4	0.8157	0.8380	0.6310	0.6108	0.6585	0.7108	15.1
tertiary butyl alcohol	0.0348	0.0382	0.0271	0.0244	0.0155	0.0280	31.9

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

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1753	0.0100	10.2	40.0
Chloromethane	0.3069	0.2574	0.0100	-16.1	40.0
Vinyl chloride	0.2844	0.2640	0.1000	-7.2	30.0
Bromomethane	0.1909	0.1736	0.1000	-9.1	30.0
Chloroethane	0.1559	0.1387	0.0100	-11.0	40.0
Trichlorofluoromethane	0.2171	0.2417	0.0100	11.3	40.0
1,1-Dichloroethene	0.2269	0.2063	0.1000	-9.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.1670	0.0100	-14.8	40.0
Acetone	0.0606	0.0511	0.0100	-15.6	40.0
Carbon Disulfide	0.7302	0.6754	0.0100	-7.5	40.0
Methyl acetate	0.1935	0.1494	0.0100	-22.8	40.0
Methylene chloride	0.3239	0.2590	0.0100	-20.0	40.0
trans-1,2-Dichloroethene	0.2450	0.2124	0.0100	-13.3	40.0
Methyl tert-butyl ether	0.7126	0.6194	0.0100	-13.1	40.0
1,1-Dichloroethane	0.4265	0.3743	0.2000	-12.3	30.0
cis-1,2-Dichloroethene	0.2692	0.2340	0.0100	-13.1	40.0
2-Butanone	0.1086	0.0917	0.0100	-15.6	40.0
Bromochloromethane	0.1279	0.1119	0.0500	-12.5	30.0
Chloroform	0.4169	0.3562	0.2000	-14.6	30.0
1,1,1-Trichloroethane	0.2971	0.2743	0.1000	-7.7	30.0
Cyclohexane	0.3803	0.3789	0.0100	-0.4	40.0
Carbon tetrachloride	0.0756	0.0732	0.1000	-3.2	30.0
Benzene	1.1051	0.9511	0.4000	-13.9	30.0
1,2-Dichloroethane	0.2779	0.2387	0.1000	-14.1	30.0
Trichloroethene	0.2723	0.2369	0.3000	-13.0	30.0
Methylcyclohexane	0.4258	0.4338	0.0100	1.9	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.2769	0.2409	0.0100	-13.0	40.0
Bromodichloromethane	0.3092	0.2673	0.2000	-13.6	30.0
cis-1,3-Dichloropropene	0.4062	0.3624	0.2000	-10.8	30.0
4-Methyl-2-pentanone	0.2477	0.2091	0.0100	-15.6	40.0
Toluene	1.1048	0.9618	0.4000	-12.9	30.0
trans-1,3-Dichloropropene	0.3592	0.3221	0.1000	-10.3	30.0
1,1,2-Trichloroethane	0.2228	0.1956	0.1000	-12.2	30.0
Tetrachloroethene	0.2000	0.1815	0.1000	-9.3	30.0
2-Hexanone	0.1890	0.1600	0.0100	-15.3	40.0
Dibromochloromethane	0.2266	0.2006	0.1000	-11.5	30.0
1,2-Dibromoethane	0.2253	0.1969	0.0100	-12.6	40.0
Chlorobenzene	0.7688	0.6656	0.5000	-13.4	30.0
Ethylbenzene	1.1819	1.0517	0.1000	-11.0	30.0
o-Xylene	0.4717	0.4213	0.3000	-10.7	30.0
m,p-Xylene	0.4720	0.4208	0.3000	-10.8	30.0
Styrene	0.7775	0.7066	0.3000	-9.1	30.0
Bromoform	0.2299	0.2108	0.0500	-8.3	30.0
Isopropylbenzene	1.1527	1.0525	0.0100	-8.7	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.2658	0.1000	-11.8	30.0
1,3-Dichlorobenzene	1.1280	1.0090	0.4000	-10.5	30.0
1,4-Dichlorobenzene	1.1899	1.0452	0.4000	-12.2	30.0
1,2-Dichlorobenzene	1.1058	0.9847	0.4000	-11.0	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0785	0.0100	-9.9	40.0
1,2,4-Trichlorobenzene	0.8542	0.7765	0.2000	-9.1	30.0
1,2,3-Trichlorobenzene	0.7870	0.7173	0.2000	-8.9	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 0748

Lab File ID: 81119A04 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00519 Init. Calib. Time(s): 0704 0832

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	0.0968	0.0846	0.0100	-12.6	30.0
Chloroethane-d5	0.1177	0.1010	0.0100	-14.2	40.0
1,1-Dichloroethene-d2	0.4310	0.3988	0.0100	-7.5	30.0
2-Butanone-d5	0.1050	0.0886	0.0100	-15.6	40.0
Chloroform-d	0.4482	0.3968	0.0100	-11.5	30.0
1,2-Dichloroethane-d4	0.2303	0.1961	0.0100	-14.9	30.0
Benzene-d6	1.1011	0.9479	0.0100	-13.9	30.0
1,2-Dichloropropane-d6	0.3635	0.3150	0.0100	-13.4	40.0
Toluene-d8	0.9556	0.8355	0.0100	-12.6	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.5305	0.0100	-11.0	30.0
2-Hexanone-d5	0.1107	0.0951	0.0100	-14.1	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.2737	0.0100	-11.4	30.0
1,2-Dichlorobenzene-d4	0.7108	0.6310	0.0100	-11.2	30.0
tertiary butyl alcohol	0.0280	0.0271	0.0100	-3.1	50.0

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

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1712	0.0100	7.6	40.0
Chloromethane	0.3069	0.2655	0.0100	-13.5	40.0
Vinyl chloride	0.2844	0.2788	0.1000	-1.9	30.0
Bromomethane	0.1909	0.1710	0.1000	-10.4	30.0
Chloroethane	0.1559	0.1579	0.0100	1.3	40.0
Trichlorofluoromethane	0.2171	0.2264	0.0100	4.3	40.0
1,1-Dichloroethene	0.2269	0.2066	0.1000	-8.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.1597	0.0100	-18.5	40.0
Acetone	0.0606	0.0501	0.0100	-17.3	40.0
Carbon Disulfide	0.7302	0.6415	0.0100	-12.1	40.0
Methyl acetate	0.1935	0.1556	0.0100	-19.6	40.0
Methylene chloride	0.3239	0.2690	0.0100	-16.9	40.0
trans-1,2-Dichloroethene	0.2450	0.2143	0.0100	-12.5	40.0
Methyl tert-butyl ether	0.7126	0.6211	0.0100	-12.8	40.0
1,1-Dichloroethane	0.4265	0.3815	0.2000	-10.6	30.0
cis-1,2-Dichloroethene	0.2692	0.2367	0.0100	-12.1	40.0
2-Butanone	0.1086	0.0933	0.0100	-14.1	40.0
Bromochloromethane	0.1279	0.1119	0.0500	-12.5	30.0
Chloroform	0.4169	0.3822	0.2000	-8.3	30.0
1,1,1-Trichloroethane	0.2971	0.2794	0.1000	-6.0	30.0
Cyclohexane	0.3803	0.3759	0.0100	-1.2	40.0
Carbon tetrachloride	0.0756	0.0682	0.1000	-9.8	30.0
Benzene	1.1051	0.9782	0.4000	-11.5	30.0
1,2-Dichloroethane	0.2779	0.2511	0.1000	-9.7	30.0
Trichloroethene	0.2723	0.2644	0.3000	-2.9	30.0
Methylcyclohexane	0.4258	0.4185	0.0100	-1.7	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.2769	0.2465	0.0100	-11.0	40.0
Bromodichloromethane	0.3092	0.2461	0.2000	-20.4	30.0
cis-1,3-Dichloropropene	0.4062	0.3112	0.2000	-23.4	30.0
4-Methyl-2-pentanone	0.2477	0.2196	0.0100	-11.3	40.0
Toluene	1.1048	0.9764	0.4000	-11.6	30.0
trans-1,3-Dichloropropene	0.3592	0.2694	0.1000	-25.0	30.0
1,1,2-Trichloroethane	0.2228	0.1965	0.1000	-11.8	30.0
Tetrachloroethene	0.2000	0.1781	0.1000	-10.9	30.0
2-Hexanone	0.1890	0.1650	0.0100	-12.7	40.0
Dibromochloromethane	0.2266	0.1583	0.1000	-30.2	30.0
1,2-Dibromoethane	0.2253	0.1957	0.0100	-13.1	40.0
Chlorobenzene	0.7688	0.6595	0.5000	-14.2	30.0
Ethylbenzene	1.1819	1.0498	0.1000	-11.2	30.0
o-Xylene	0.4717	0.4131	0.3000	-12.4	30.0
m,p-Xylene	0.4720	0.4206	0.3000	-10.9	30.0
Styrene	0.7775	0.7026	0.3000	-9.6	30.0
Bromoform	0.2299	0.1323	0.0500	-42.4	30.0
Isopropylbenzene	1.1527	1.0468	0.0100	-9.2	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.2382	0.1000	-21.0	30.0
1,3-Dichlorobenzene	1.1280	0.9642	0.4000	-14.5	30.0
1,4-Dichlorobenzene	1.1899	1.0219	0.4000	-14.1	30.0
1,2-Dichlorobenzene	1.1058	0.9579	0.4000	-13.4	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0664	0.0100	-23.8	40.0
1,2,4-Trichlorobenzene	0.8542	0.6937	0.2000	-18.8	30.0
1,2,3-Trichlorobenzene	0.7870	0.6396	0.2000	-18.7	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/19/2007 Time: 1825

Lab File ID: 81119A28 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005B9 Init. Calib. Time(s): 0704 0832

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	0.0968	0.0899	0.0100	-7.1	30.0
Chloroethane-d5	0.1177	0.1121	0.0100	-4.8	40.0
1,1-Dichloroethene-d2	0.4310	0.4093	0.0100	-5.0	30.0
2-Butanone-d5	0.1050	0.0923	0.0100	-12.1	40.0
Chloroform-d	0.4482	0.3973	0.0100	-11.3	30.0
1,2-Dichloroethane-d4	0.2303	0.2033	0.0100	-11.7	30.0
Benzene-d6	1.1011	0.9697	0.0100	-11.9	30.0
1,2-Dichloropropane-d6	0.3635	0.3239	0.0100	-10.9	40.0
Toluene-d8	0.9556	0.8357	0.0100	-12.6	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.4485	0.0100	-24.7	30.0
2-Hexanone-d5	0.1107	0.0969	0.0100	-12.5	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.2608	0.0100	-15.5	30.0
1,2-Dichlorobenzene-d4	0.7108	0.6047	0.0100	-14.9	30.0
tertiary butyl alcohol	0.0280	0.0239	0.0100	-14.8	50.0

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

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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	0.1590	0.1871	0.0100	17.6	40.0
Chloromethane	0.3069	0.3160	0.0100	3.0	40.0
Vinyl chloride	0.2844	0.3410	0.1000	19.9	30.0
Bromomethane	0.1909	0.2083	0.1000	9.1	30.0
Chloroethane	0.1559	0.1730	0.0100	11.0	40.0
Trichlorofluoromethane	0.2171	0.2923	0.0100	34.6	40.0
1,1-Dichloroethene	0.2269	0.2595	0.1000	14.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.2164	0.0100	10.4	40.0
Acetone	0.0606	0.0614	0.0100	1.4	40.0
Carbon Disulfide	0.7302	0.8412	0.0100	15.2	40.0
Methyl acetate	0.1935	0.1967	0.0100	1.7	40.0
Methylene chloride	0.3239	0.3259	0.0100	0.6	40.0
trans-1,2-Dichloroethene	0.2450	0.2707	0.0100	10.5	40.0
Methyl tert-butyl ether	0.7126	0.8124	0.0100	14.0	40.0
1,1-Dichloroethane	0.4265	0.4739	0.2000	11.1	30.0
cis-1,2-Dichloroethene	0.2692	0.2989	0.0100	11.0	40.0
2-Butanone	0.1086	0.1162	0.0100	6.9	40.0
Bromochloromethane	0.1279	0.1409	0.0500	10.1	30.0
Chloroform	0.4169	0.4599	0.2000	10.3	30.0
1,1,1-Trichloroethane	0.2971	0.3658	0.1000	23.1	30.0
Cyclohexane	0.3803	0.4816	0.0100	26.6	40.0
Carbon tetrachloride	0.0756	0.0926	0.1000	22.4	30.0
Benzene	1.1051	1.2343	0.4000	11.7	30.0
1,2-Dichloroethane	0.2779	0.3089	0.1000	11.2	30.0
Trichloroethene	0.2723	0.3113	0.3000	14.3	30.0
Methylcyclohexane	0.4258	0.5558	0.0100	30.5	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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	0.2769	0.3070	0.0100	10.9	40.0
Bromodichloromethane	0.3092	0.3294	0.2000	6.5	30.0
cis-1,3-Dichloropropene	0.4062	0.4610	0.2000	13.5	30.0
4-Methyl-2-pentanone	0.2477	0.2760	0.0100	11.4	40.0
Toluene	1.1048	1.2643	0.4000	14.4	30.0
trans-1,3-Dichloropropene	0.3592	0.4065	0.1000	13.2	30.0
1,1,2-Trichloroethane	0.2228	0.2507	0.1000	12.5	30.0
Tetrachloroethene	0.2000	0.2425	0.1000	21.2	30.0
2-Hexanone	0.1890	0.2063	0.0100	9.2	40.0
Dibromochloromethane	0.2266	0.2378	0.1000	4.9	30.0
1,2-Dibromoethane	0.2253	0.2547	0.0100	13.1	40.0
Chlorobenzene	0.7688	0.8571	0.5000	11.5	30.0
Ethylbenzene	1.1819	1.4071	0.1000	19.0	30.0
o-Xylene	0.4717	0.5528	0.3000	17.2	30.0
m,p-Xylene	0.4720	0.5636	0.3000	19.4	30.0
Styrene	0.7775	0.9301	0.3000	19.6	30.0
Bromoform	0.2299	0.2257	0.0500	-1.8	30.0
Isopropylbenzene	1.1527	1.4304	0.0100	24.1	40.0
1,1,2,2-Tetrachloroethane	0.3015	0.3410	0.1000	13.1	30.0
1,3-Dichlorobenzene	1.1280	1.2814	0.4000	13.6	30.0
1,4-Dichlorobenzene	1.1899	1.3027	0.4000	9.5	30.0
1,2-Dichlorobenzene	1.1058	1.2375	0.4000	11.9	30.0
1,2-Dibromo-3-chloropropane	0.0871	0.0967	0.0100	10.9	40.0
1,2,4-Trichlorobenzene	0.8542	0.9708	0.2000	13.7	30.0
1,2,3-Trichlorobenzene	0.7870	0.8555	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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 0855

Lab File ID: 81120B05 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD00520 Init. Calib. Time(s): 0704 0832

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	0.0968	0.1088	0.0100	12.4	30.0
Chloroethane-d5	0.1177	0.1331	0.0100	13.1	40.0
1,1-Dichloroethene-d2	0.4310	0.5020	0.0100	16.5	30.0
2-Butanone-d5	0.1050	0.1166	0.0100	11.1	40.0
Chloroform-d	0.4482	0.5004	0.0100	11.6	30.0
1,2-Dichloroethane-d4	0.2303	0.2497	0.0100	8.4	30.0
Benzene-d6	1.1011	1.2357	0.0100	12.2	30.0
1,2-Dichloropropane-d6	0.3635	0.4117	0.0100	13.3	40.0
Toluene-d8	0.9556	1.0901	0.0100	14.1	30.0
trans-1,3-Dichloropropene-d4	0.5958	0.6659	0.0100	11.8	30.0
2-Hexanone-d5	0.1107	0.1258	0.0100	13.7	40.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.3481	0.0100	12.8	30.0
1,2-Dichlorobenzene-d4	0.7108	0.7902	0.0100	11.2	30.0
tertiary butyl alcohol	0.0280	0.0351	0.0100	25.3	50.0

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

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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	0.1590	0.2018	0.0100	26.9	50.0
Chloromethane	0.3069	0.3161	0.0100	3.0	50.0
Vinyl chloride	0.2844	0.3473	0.0100	22.1	50.0
Bromomethane	0.1909	0.2188	0.0100	14.6	50.0
Chloroethane	0.1559	0.1815	0.0100	16.4	50.0
Trichlorofluoromethane	0.2171	0.2955	0.0100	36.1	50.0
1,1-Dichloroethene	0.2269	0.2688	0.0100	18.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1959	0.2058	0.0100	5.0	50.0
Acetone	0.0606	0.0603	0.0100	-0.5	50.0
Carbon Disulfide	0.7302	0.8068	0.0100	10.5	50.0
Methyl acetate	0.1935	0.2086	0.0100	7.8	50.0
Methylene chloride	0.3239	0.3283	0.0100	1.4	50.0
trans-1,2-Dichloroethene	0.2450	0.2682	0.0100	9.5	50.0
Methyl tert-butyl ether	0.7126	0.7788	0.0100	9.3	50.0
1,1-Dichloroethane	0.4265	0.4704	0.0100	10.3	50.0
cis-1,2-Dichloroethene	0.2692	0.2935	0.0100	9.0	50.0
2-Butanone	0.1086	0.1157	0.0100	6.5	50.0
Bromochloromethane	0.1279	0.1387	0.0100	8.4	50.0
Chloroform	0.4169	0.4709	0.0100	12.9	50.0
1,1,1-Trichloroethane	0.2971	0.3492	0.0100	17.5	50.0
Cyclohexane	0.3803	0.4738	0.0100	24.6	50.0
Carbon tetrachloride	0.0756	0.0912	0.0100	20.6	50.0
Benzene	1.1051	1.2121	0.0100	9.7	50.0
1,2-Dichloroethane	0.2779	0.3091	0.0100	11.2	50.0
Trichloroethene	0.2723	0.3093	0.0100	13.6	50.0
Methylcyclohexane	0.4258	0.5322	0.0100	25.0	50.0

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No. (VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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	0.2769	0.2990	0.0100	8.0	50.0
Bromodichloromethane	0.3092	0.2907	0.0100	-6.0	50.0
cis-1,3-Dichloropropene	0.4062	0.3949	0.0100	-2.8	50.0
4-Methyl-2-pentanone	0.2477	0.2703	0.0100	9.1	50.0
Toluene	1.1048	1.2311	0.0100	11.4	50.0
trans-1,3-Dichloropropene	0.3592	0.3435	0.0100	-4.4	50.0
1,1,2-Trichloroethane	0.2228	0.2446	0.0100	9.8	50.0
Tetrachloroethene	0.2000	0.2337	0.0100	16.8	50.0
2-Hexanone	0.1890	0.2050	0.0100	8.5	50.0
Dibromochloromethane	0.2266	0.1900	0.0100	-16.2	50.0
1,2-Dibromoethane	0.2253	0.2428	0.0100	7.8	50.0
Chlorobenzene	0.7688	0.8255	0.0100	7.4	50.0
Ethylbenzene	1.1819	1.3441	0.0100	13.7	50.0
o-Xylene	0.4717	0.5317	0.0100	12.7	50.0
m,p-Xylene	0.4720	0.5334	0.0100	13.0	50.0
Styrene	0.7775	0.8997	0.0100	15.7	50.0
Bromoform	0.2299	0.1543	0.0100	-32.9	50.0
Isopropylbenzene	1.1527	1.3330	0.0100	15.6	50.0
1,1,2,2-Tetrachloroethane	0.3015	0.3142	0.0100	4.2	50.0
1,3-Dichlorobenzene	1.1280	1.2066	0.0100	7.0	50.0
1,4-Dichlorobenzene	1.1899	1.2539	0.0100	5.4	50.0
1,2-Dichlorobenzene	1.1058	1.2046	0.0100	8.9	50.0
1,2-Dibromo-3-chloropropane	0.0871	0.0743	0.0100	-14.7	50.0
1,2,4-Trichlorobenzene	0.8542	0.9025	0.0100	5.7	50.0
1,2,3-Trichlorobenzene	0.7870	0.8146	0.0100	3.5	50.0

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.: Y3QN3

Instrument ID: MSD8 Calibration Date: 11/20/2007 Time: 1934

Lab File ID: 81120B32 Init. Calib. Date(s): 11/19/2007 11/19/2007

EPA Sample No.(VSTD#####): VSTD005C0 Init. Calib. Time(s): 0704 0832

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	0.0968	0.1097	0.0100	13.3	50.0
Chloroethane-d5	0.1177	0.1341	0.0100	14.0	50.0
1,1-Dichloroethene-d2	0.4310	0.5200	0.0100	20.7	50.0
2-Butanone-d5	0.1050	0.1152	0.0100	9.8	50.0
Chloroform-d	0.4482	0.4984	0.0100	11.2	50.0
1,2-Dichloroethane-d4	0.2303	0.2479	0.0100	7.6	50.0
Benzene-d6	1.1011	1.1867	0.0100	7.8	50.0
1,2-Dichloropropane-d6	0.3635	0.3959	0.0100	8.9	50.0
Toluene-d8	0.9556	1.0602	0.0100	10.9	50.0
trans-1,3-Dichloropropene-d4	0.5958	0.5618	0.0100	-5.7	50.0
2-Hexanone-d5	0.1107	0.1223	0.0100	10.5	50.0
1,1,2,2-Tetrachloroethane-d2	0.3088	0.3258	0.0100	5.5	50.0
1,2-Dichlorobenzene-d4	0.7108	0.7587	0.0100	6.7	50.0
tertiary butyl alcohol	0.0280	0.0287	0.0100	2.5	50.0

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

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. Date Analyzed: 11/19/2007

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	0.058	J
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	0.34	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	0.099	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

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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

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

EPA SAMPLE NO.
VBLK19

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68091-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81119A10

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

% Moisture: not dec. _____ Date Analyzed: 11/19/2007

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.

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

EPA SAMPLE NO.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.34	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	0.063	J
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	0.33	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	0.10	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

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

EPA SAMPLE NO.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
VBLK20

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IQ68205-001

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B07

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.099	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	0.40	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	0.11	JB
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	0.051	J
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.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.085	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.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
VHBLK33

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B30

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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	0.13	JB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.0	JB
75-15-0	Carbon Disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.36	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	0.11	JB
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.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. Date Analyzed: 11/20/2007

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.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
VHBLK33RE

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-008

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B31

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

% Moisture: not dec. _____ Date Analyzed: 11/20/2007

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.

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

EPA SAMPLE NO.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	6.7	B
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	0.078	J
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	3.4	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.40	JB
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	5.9	
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.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	9.2	
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	6.0	
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	5.5	
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.
Y3QN6MS

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MS

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B18

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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

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

EPA SAMPLE NO.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	5.5	B
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.7	JB
75-15-0	Carbon Disulfide	0.052	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.23	JB
156-60-5	trans-1,2-Dichloroethene	0.063	J
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	4.5	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.51	B
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	4.9	
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.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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	9.6	
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	5.1	
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	4.6	
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.
Y3QN6MSD

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

Lab Code: SHEALY Case No.: 36912 Mod. Ref No.: 1391.1 SDG No.: Y3QN3

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: IK15003-004MD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 81120B19

Level: (TRACE/LOW/MED) TRACE Date Received: 11/15/2007

% Moisture: not dec. Date Analyzed: 11/20/2007

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