User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/18/2002 Time: 11:01:58

Sample: AE03834
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/18/02 11:01 Ended: 3/18/02 11:01 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		79		5.0

58 Ribardo
2/18/02
Butanamide 64/100
CAS
1.English
541-35-5
RT 9.26

Comments for Sample AE03834 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-18-2002 Time: 11:03:42

The GCMS scan, from 35 to 550 amu, reveals the presence of Butanamide at an estimated level of 1.5 ug/l and with a fit of 64 out of 100. The recoveries for 2 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
Acq On : 24 Feb 2002 6:51 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 13 11:14 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 27 11:30:15 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.33	152	244801	20.00	ug/l	-0.03
10) Naphthalene-d8	15.97	136	945546	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.29	164	505499	20.00	ug/l	-0.03
29) Phenanthrene-d10	25.73	188	693653	20.00	ug/l	-0.03
38) Chrysene-d12	33.80	240	440730	20.00	ug/l	-0.04
44) Perylene-d12	38.08	264	275550	20.00	ug/l	-0.04
System Monitoring Compounds						
37) 2,4-DDD	30.81	235	48028	~~6.63~~ 3.96	ug/mL	0.31
Spiked Amount 5.000			Recovery =	~~132.60%~~ 79%		
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	16.04	128	403	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	22.76	149	566	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

(#) = qualifier out of range (m) = manual integration

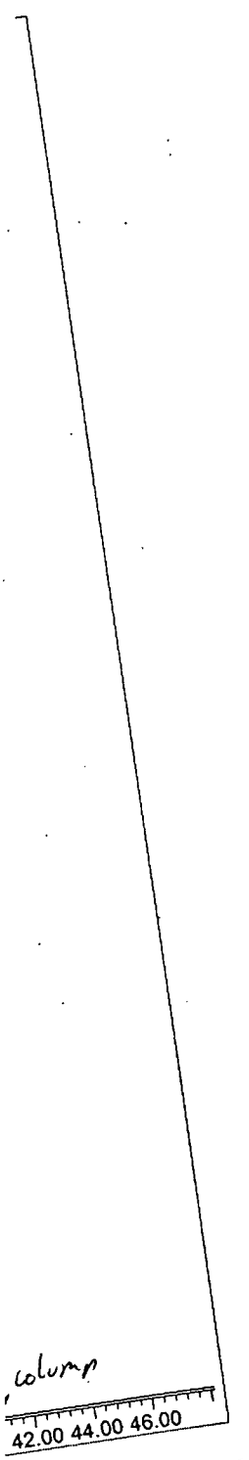
Quantitation Report (QT Reviewed)

ES

File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
n : 24 Feb 2002 6:51 pm Operator:
e : gc/ms scan 2/22 Inst : GC/MS 209
: Multiplr: 1.00
tegration Params: GOOFY.P
Time: Mar 13 11:14 2002 Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
: 209 625/TCLP calibration table
pdate : Wed Feb 27 11:30:15 2002
se via : Initial Calibration
q Meth : GCMS0208

pound	R.T.	QIon	Response	Conc Unit	Qvalue
itrosodiphenylamine	0.00	168	0	N.D.	
romophenyl-phenylether	0.00	248	0	N.D.	
ichlorobenzene	0.00	284	0	N.D.	
ianthrene	0.00	178	0	N.D.	
iracene	0.00	178	0	N.D.	
-butylphthalate	27.70	149	1487	N.D.	
ranthene	0.00	202	0	N.D.	
ne	0.00	202	0	N.D.	
lbenzylphthalate	0.00	149	0	N.D.	
o(a)anthracene	33.80	228	1165	N.D.	
2-ethylhexyl)phthalate	34.01	149	650	N.D.	
sene	33.87	228	214	N.D.	
-Octylphthalate	0.00	149	0	N.D.	
o(b)fluoranthene	0.00	252	0	N.D.	
o(k)fluoranthene	0.00	252	0	N.D.	
o(a)pyrene	38.08	252	1053	N.D.	
o(1,2,3-cd)pyrene	0.00	276	0	N.D.	
z(a,h)anthracene	0.00	278	0	N.D.	
(g,h,i)perylene	0.00	276	0	N.D.	



Page

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ier out of range (m) = manual integration
0208.M Wed Mar 13 11:15:43 2002 Page 2

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
Acq On : 24 Feb 2002 6:51 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

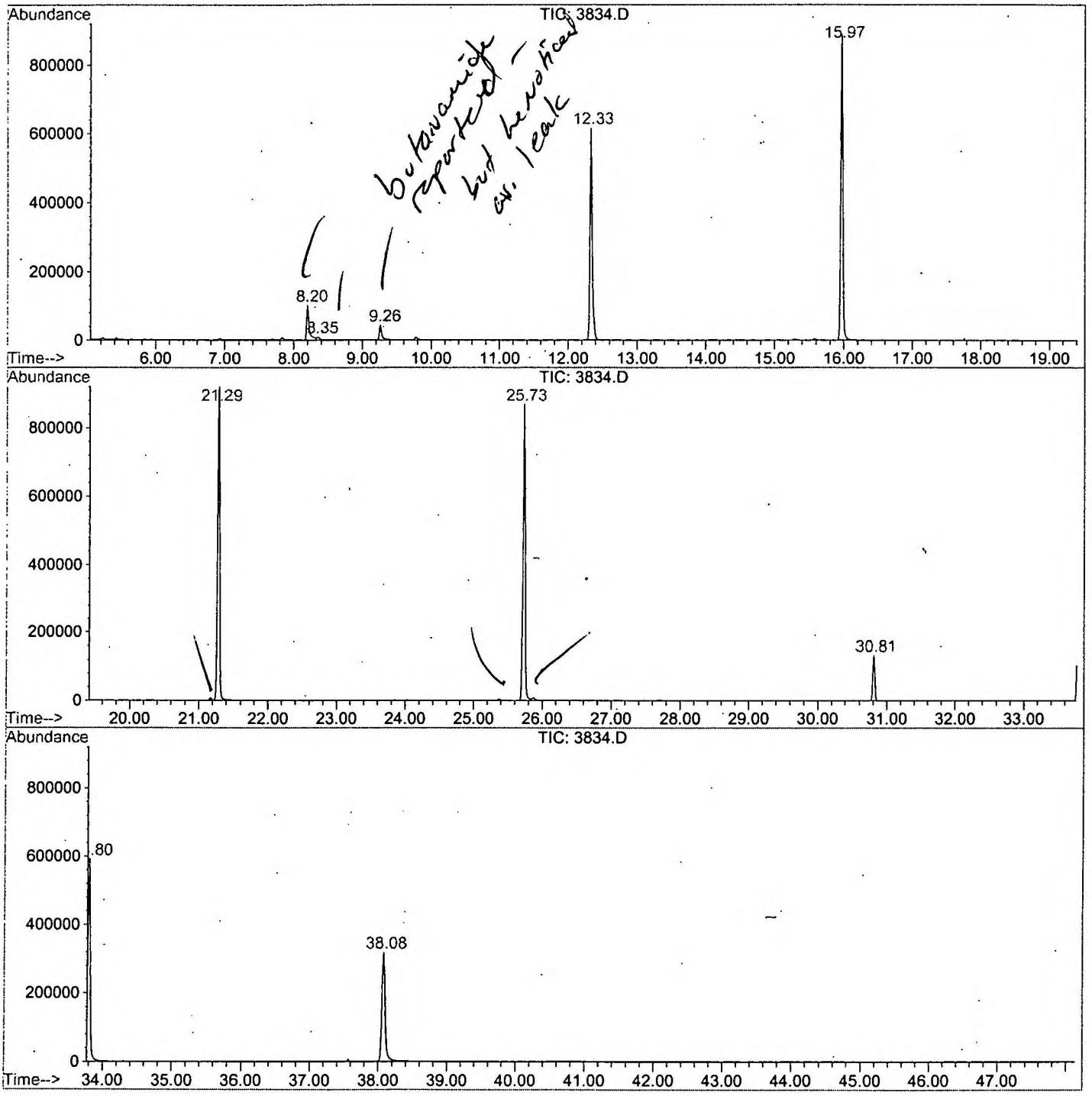
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.198	340	344	358	rBV	101903	253448	12.65%	2.507%
2	8.354	358	361	369	rVB	8036	21218	1.06%	0.210%
3	9.262	456	460	472	rBV	44005	107623	5.37%	1.065%
4	12.329	789	794	808	rVB	615415	1426631	71.19%	14.113%
5	15.973	1185	1191	1209	rVB	885495	1848969	92.26%	18.291%
6	21.289	1763	1770	1787	rBV	921201	2004012	100.00%	19.825%
7	25.732	2247	2254	2266	rBV2	868869	1840538	91.84%	18.208%
8	30.809	2802	2807	2814	rBV	132081	260754	13.01%	2.580%
9	33.801	3126	3133	3153	rBV	591925	1363398	68.03%	13.488%
10	38.079	3591	3599	3620	rBV2	316991	982012	49.00%	9.715%

Sum of corrected areas: 10108603

3834.D GCMS0208.M Wed Mar 13 11:33:38 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB2102\3834.D
Operator :
Acquired : 24 Feb 2002 6:51 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/22
Misc Info :
Vial Number: 74
Quant File :GCMS0208.RES (RTE Integrator)



3834.D GCMS0208.M Wed Mar 13 11:33:44 2002

Data File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
Acq On : 24 Feb 2002 6:51 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

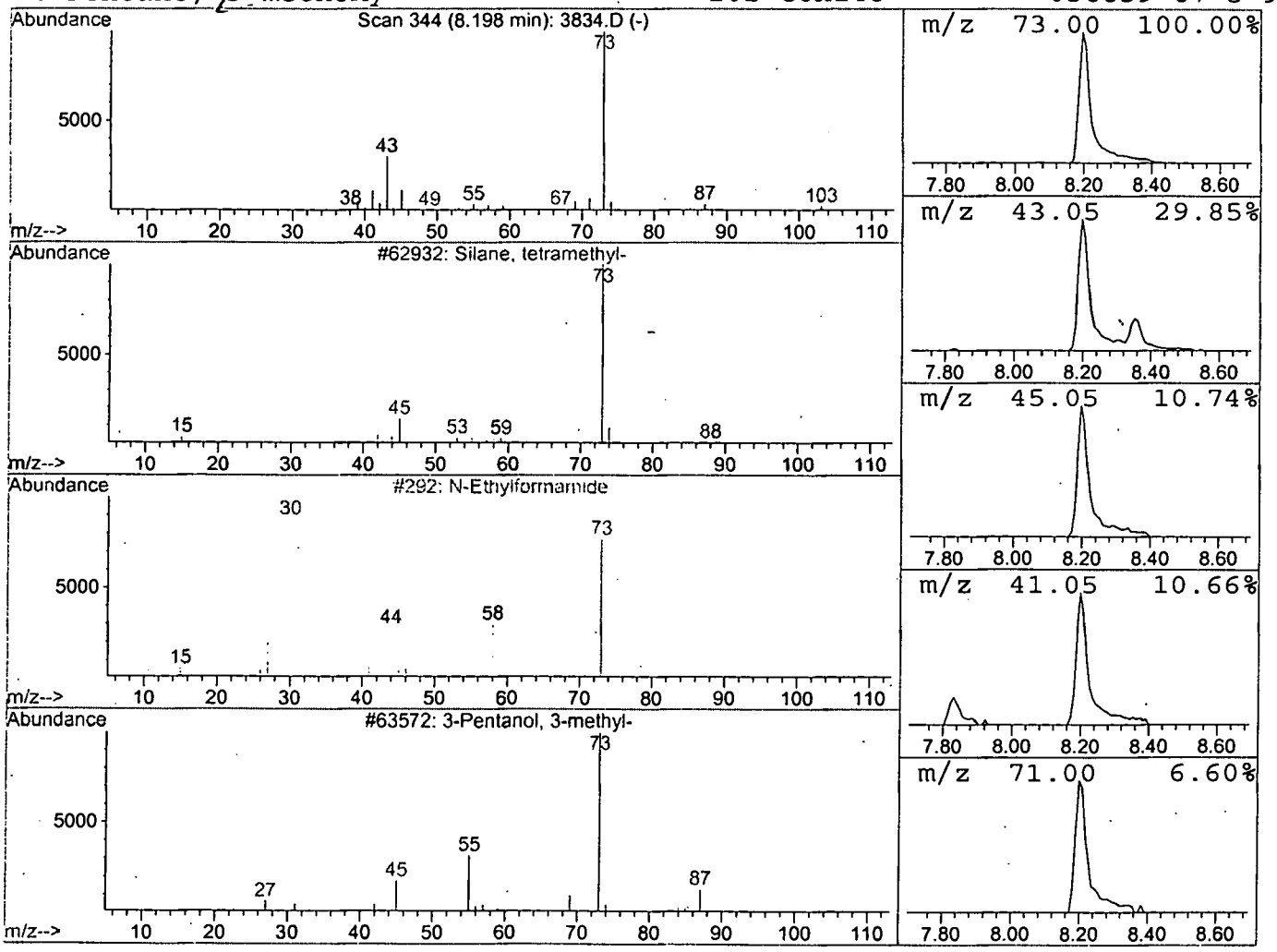
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	3.55 ug/l	253448	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
Acq On : 24 Feb 2002 6:51 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

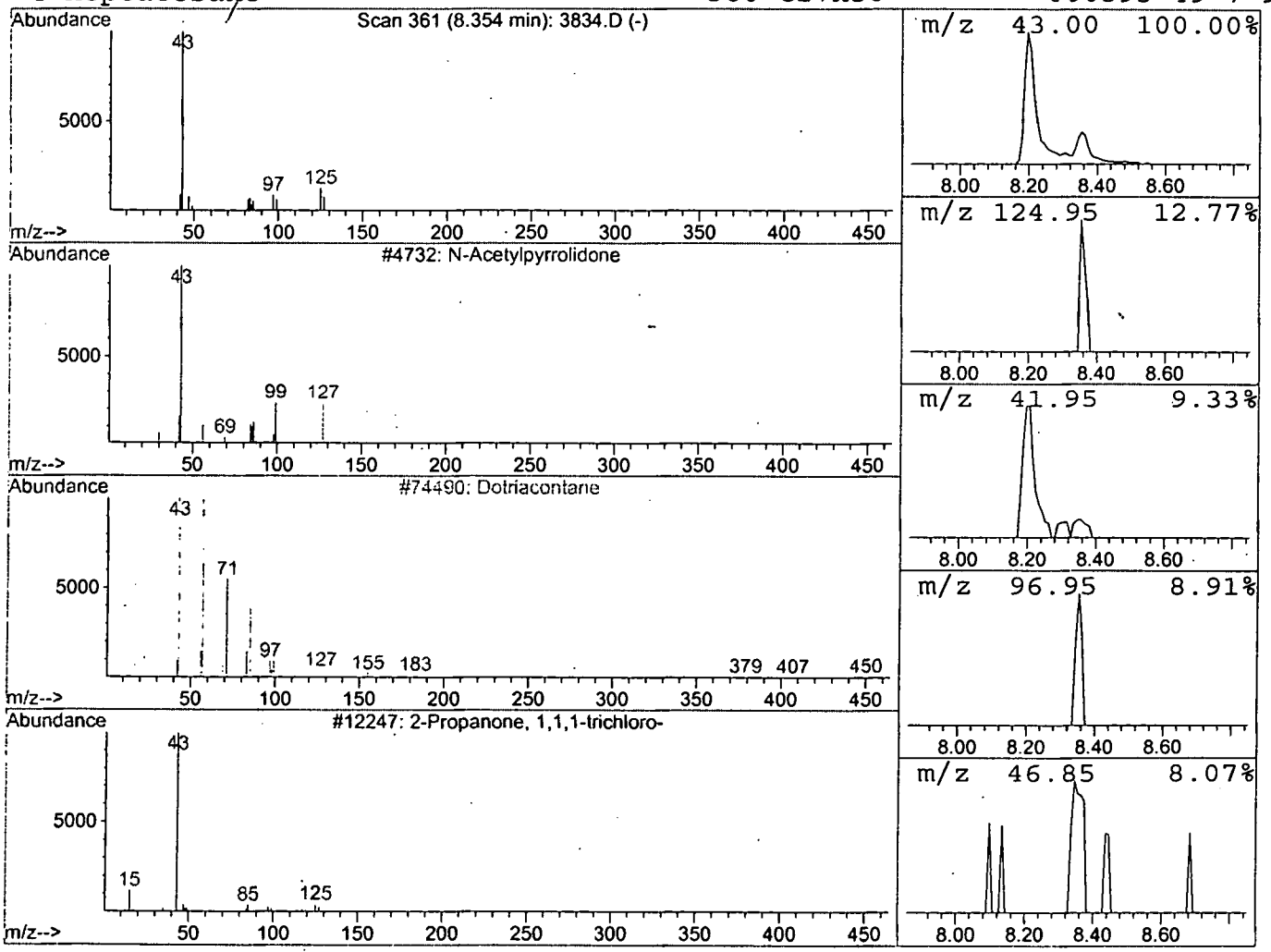
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 N-Acetylpyrrolidone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	0.30 ug/l	21218	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	25
2	Dotriacontane	451	C32H66	000544-85-4	9
3	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	9
4	Heptacosane	380	C27H56	000593-49-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\FEB2102\3834.D Vial: 74
Acq On : 24 Feb 2002 6:51 pm Operator:
Sample : gc/ms scan 2/22 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

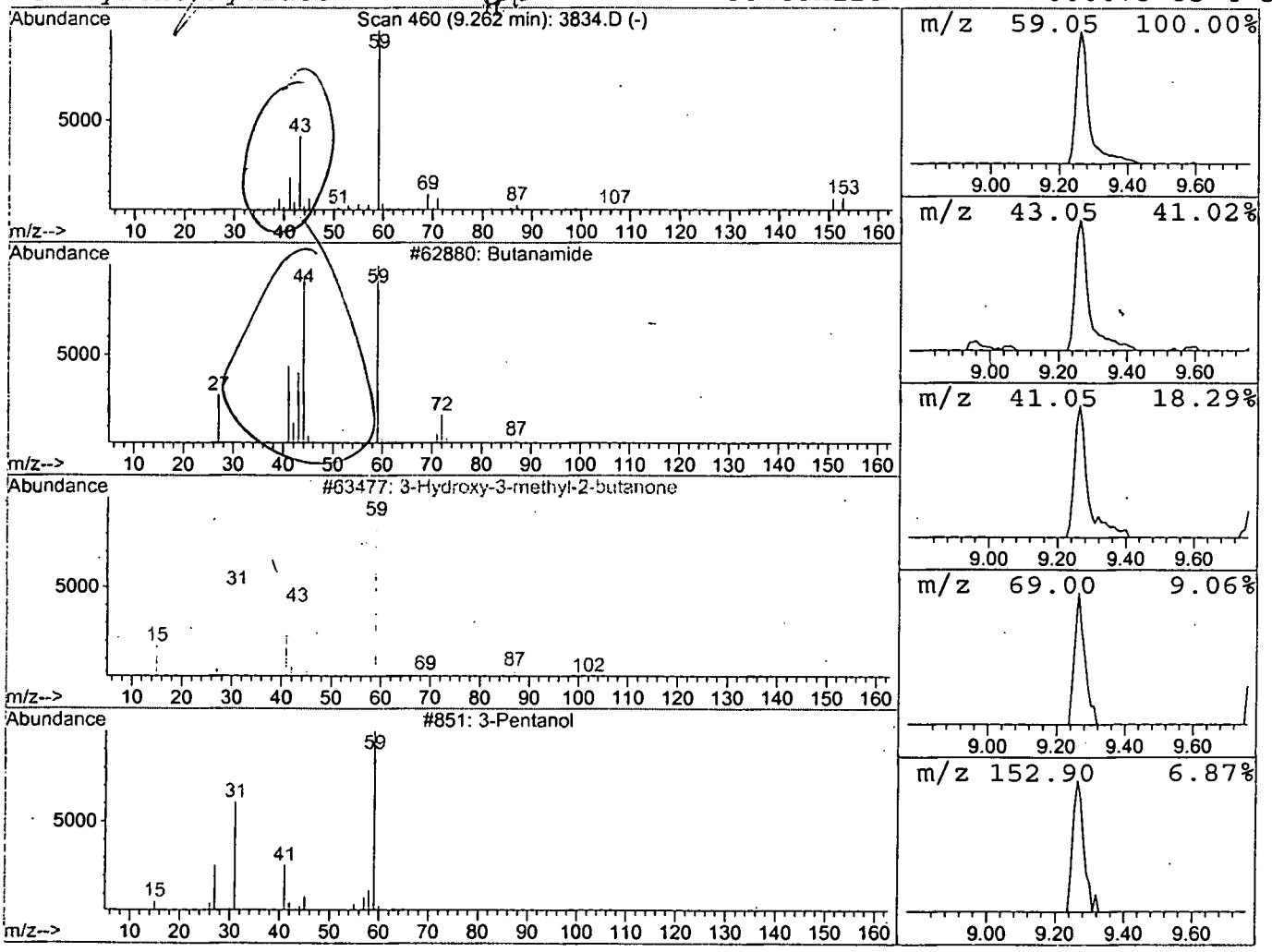
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Butanamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	1.51 ug/l	107623	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	64
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	59
3	3-Pentanol	88	C5H12O	000584-02-1	40
4	Amylene Hydrate	88	C5H12O	000075-85-4	38



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 24 Feb 2002 6:51 pm
Data File: C:\HPCHEM\1\DATA\FEB2102\3834.D
Name: gc/ms scan 2/22
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Silane, tetramethyl-	8.20	3.6	ug/l	253448	ISTD01	12.33	1426630	20.0
N-Acetylpyrrolidone	8.35	0.3	ug/l	21218	ISTD01	12.33	1426630	20.0
Butanamide	9.26	1.5	ug/l	107623	ISTD01	12.33	1426630	20.0

3834.D GCMS0208.M Wed Mar 13 11:34:01 2002

Westchester gov.com

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595
(914) 231-1620 Fax (914) 231-1772

ACCREDITED IN ACCORDANCE WITH nelac
NYS-ELAP No. 10108
Form A-70 (rev.10/01)

Time/Date Set:

Sample Type (circle one):
(1. Potable) 3. Non Potable *Treated*
2. Non Potable 4. Other _____

Time/Date Collected: 8:45AM 2/11/2002
Collected By: J. Ribando Agency Code: _____

Collected From:
Location's/Individual's Name _____
Street _____
City/St/Zip _____
Identification of Source _____
Collection Point SE

Bottle #'s: 1091, 2605, 2504, 4951, 1314, 1162, 1557

Chain of Custody? ___ Yes ___ No

Comments: _____

PWS #: _____ Source ID: _____ Type Descriptor: _____

Bill to:
Name/Company _____
Street _____
City/St/Zip _____
Phone#: _____ Fax#: _____

CA,CH, BI? _____ Check#: _____ Amount$_____

BACTERIOLOGICAL ANALYSIS
Lab#: _____
___ Heterotrophic Plate Count (hemodialysis & all others)
___ Coliform P/A (Public supplies)
___ Coliform MPN (priv well, raw, stp)
___ Fecal Coliform (all samples)
___ Microscopic
___ Macroscopic
___ API
___ Other: _____

Refrigerated? ____ yes ____ no
Chlorinated:? ____ yes ____ no
Free Chlorine Res:_____ mg/L
Total Chlorine Res: _____ mg/L
pH _____

RADIOCHEMICAL ANALYSIS
___Radon
___ Other _____

Lab#: 138721

ORGANIC POTABLE ANALYSIS
___ Trihalomethanes (524)
___ Volatile Halocarbons (524)
___ Volatile Aromatics (524)
___ Total Trihalomethane Potential (510)
___ Microextractables (504)
___ Pesticides/PCB screen (508)
___ PCB as Decachlorobiphenyl (508A)
___ Herbicides (515)
___ Pesticides (525)
___ Carbamate Pesticides (531)
___ Glyphosate (547)
___ Diquat (549)
___ Chlorination Disinfection Byproducts (551)
___ Haloacetic Acids (552)
___ Other Pesticides (SM18/6630)
___ UCMR List 1
___ MtBE Only (524)

ORGANIC NONPOTABLE/ SOLID ANALYSIS
___ Purgeable Halocarbons (624/8260)
___ Purgeable Aromatics (624/8260)
___ Acrolein & Acrylonitrile (8260)
___ Organochlorine Pesticides (608/8081)
___ PCB's (Arochlors) (608/8081)
___ Herbicides (SM18/6630,8151)
___ Other Pesticides (SM18/6630)
___ Petroleum Hydrocarbon Scan (310-13)
___ Glycols in Water
___ Acid Extractables (625/8270)
___ Base Neutral Extractables (625/8270)
✓ GC/MS Unknown Scan
___ Phthalates (606MS)
___ Other: _____

INORGANIC ANALYSIS REQUESTED - Lab#: _____

___ Color
___ Turbidity
___ pH
___ Conductivity
___ Corrosivity (temp:_____°C)
___ BOD (5 day)
___ Carbonaceous BOD (5 day)
___ Soluble BOD (5 day)
___ Chemical Oxygen Demand
___ Dissolved Oxygen
___ Total Organic Carbon
___ Total Organic Halides
___ Solids, Percent (%)
___ Solids, Settleable
___ Solids, Suspended
___ Solids, Total
___ Solids, Total Dissolved
___ Solids, Total Volatile
✓ Other: Sn

___ Acidity
___ Alkalinity
___ Bromide
___ Bromate/Chlorate/Chlorite
___ Chloride
___ Cyanide
___ Fluoride
___ Hardness, Total as $CaCO_3$
___ Nitrogen, Ammonia as N
___ Nitrogen, Nitrate as N
___ Nitrogen, Nitrite as N
___ Nitrogen, Total Kjeldahl as N
___ Oil and Grease
___ Phenol
___ Phosphorus Total as P
___ Phosphorus, Ortho as P
___ Sulfates
___ Surfactants
___ UV254

✓ Aluminum
✓ Antimony
✓ Arsenic
✓ Barium
✓ Beryllium
___ Boron
___ Cadmium
___ Calcium, as $CaCO_3$
___ Calcium, Ca^{+2}
✓ Chromium, Total
___ Chromium, Hexavalent
✓ Cobalt
✓ Copper
✓ Iron
✓ Lead
___ Magnesium
✓ Manganese
✓ Mercury
✓ Molybdenum
___ Nickel

___ Potassium
✓ Selenium
✓ Silver
___ Sodium
✓ Thallium
___ Vanadium
___ Zinc

CLP
___ Metals/CN
___ Volatiles
___ Semi-violatiles
___ Pesticides/PCB's

TCLP
___ TCLP-Metals
___ TCLP-Pesticides
___ TCLP-Herbicides
___ TCLP-Volatiles
___ TCLP-BNA's