User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/04/2002 Time: 10:06:43

Sample: AE04509
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/4/02 10:06 Ended: 4/4/02 10:06 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		106		5.0

NYC DEP
Worsw
2/23/02

Comments for Sample AE04509 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-04-2002 Time: 10:17:19

The GCMS scan, from 35 to 550 amu, reveals the presence of 1,4-dione-2,5-cyclohexadiene. The fit is 78 out of 100, and it s level is too low to estimate. The recoveries for 12 of the 43 compounds in the LCS Standard were high.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\032602\4509.D Vial: 54
Acq On : 27 Mar 2002 5:34 pm Operator: McLean
Sample : SAMPLE 4509 3/2/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 28 05:28:44 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.55	150	1272572	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3860943	20.00	ug/L	0.00
17) Acenaphthene-d10	18.14	164	2103673	20.00	ug/L	0.00
29) Phenanthrene-d10	22.49	188	2992317	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	2462091	20.00	ug/L	-0.02
44) Perylene-d12	34.18	264	1367859	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.43	235	188425	5.28	ug/L	0.00
Spiked Amount 5.000			Recovery = 105.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.	d	
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	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-Chloropr	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) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	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.	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	0.00	149	0	N.D.		
26) 4-Chlorophenyl-phenyl ethe	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.	d	
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	0.00	149	0	N.D.		
36) Fluoranthene	0.00	202	0	N.D.		
39) Pyrene	0.00	202	0	N.D.		
40) Butylbenzylphthalate	0.00	149	0	N.D.		
41) Benzo (a) antracene	0.00	228	0	N.D.	d	
42) Bis (2-ethylhexyl) phthala	30.91	149	7893	0.08	ug/L	73
43) Chrysene	0.00	228	0	N.D.	d	
45) Di-n-Octylphthalate	0.00	149	0	N.D.		
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

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

Quantitation Report (QT Reviewed)

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Sample : SAMPLE 4509 3/2/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 28 05:28:44 2002 Quant Results File: 5080302.RES

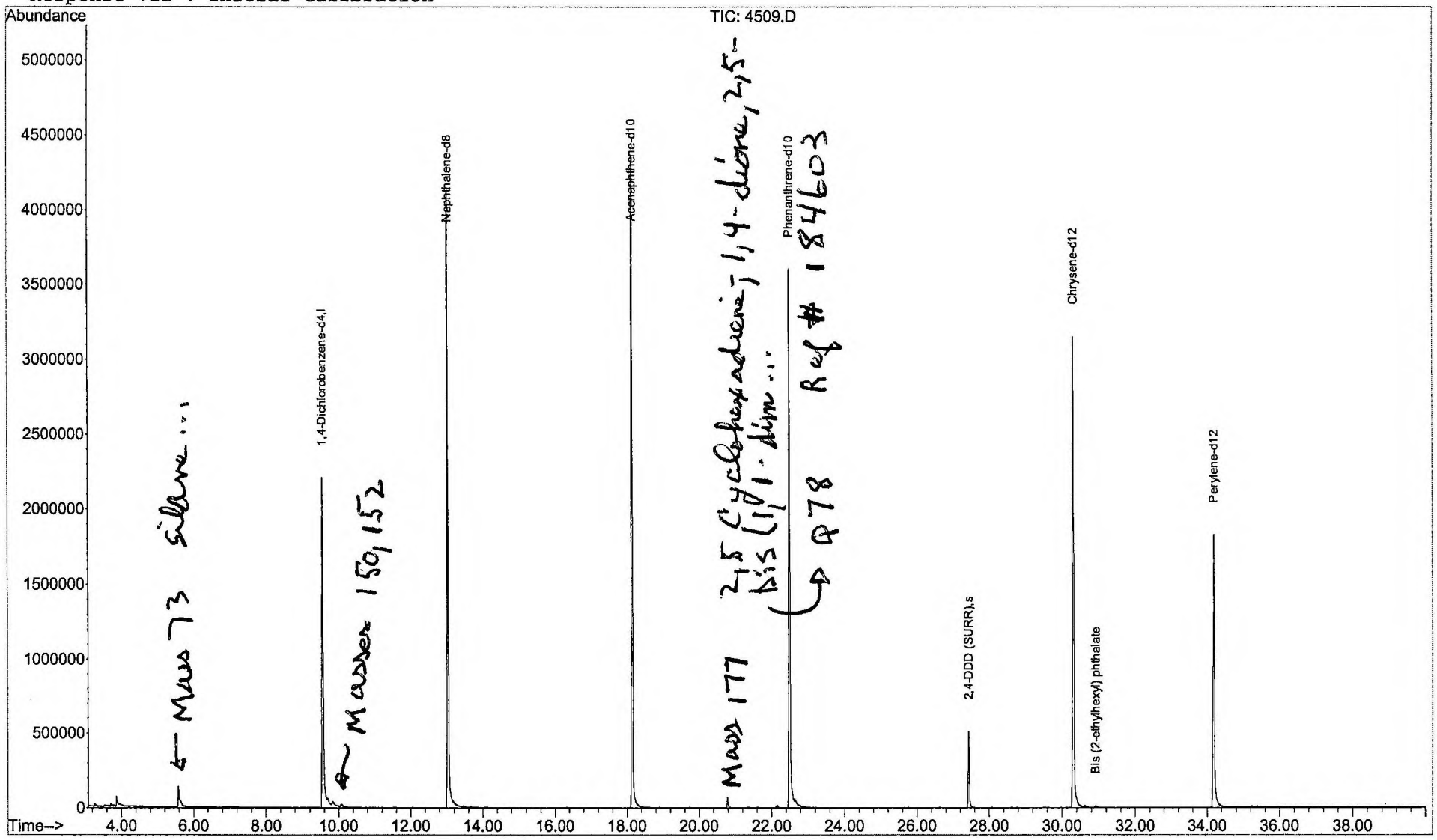
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47)	Benzo (k) fluoranthene	0.00	252	0	N.D.	
48)	Benzo (a) pyrene	0.00	252	0	N.D. d	
49)	Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50)	Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51)	Benzo (g,h,i) perylene	0.00	276	0	N.D.	

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

Data File : C:\MSDCHEM\1\DATA\032602\4509.D Vial: 54
Acq On : 27 Mar 2002 5:34 pm Operator: McLean
Sample : SAMPLE 4509 3/2/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 28 5:30 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Mar 27 06:57:36 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\032602\4509.D Vial: 54
Acq On : 27 Mar 2002 5:34 pm Operator: McLean
Sample : SAMPLE 4509 3/2/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
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

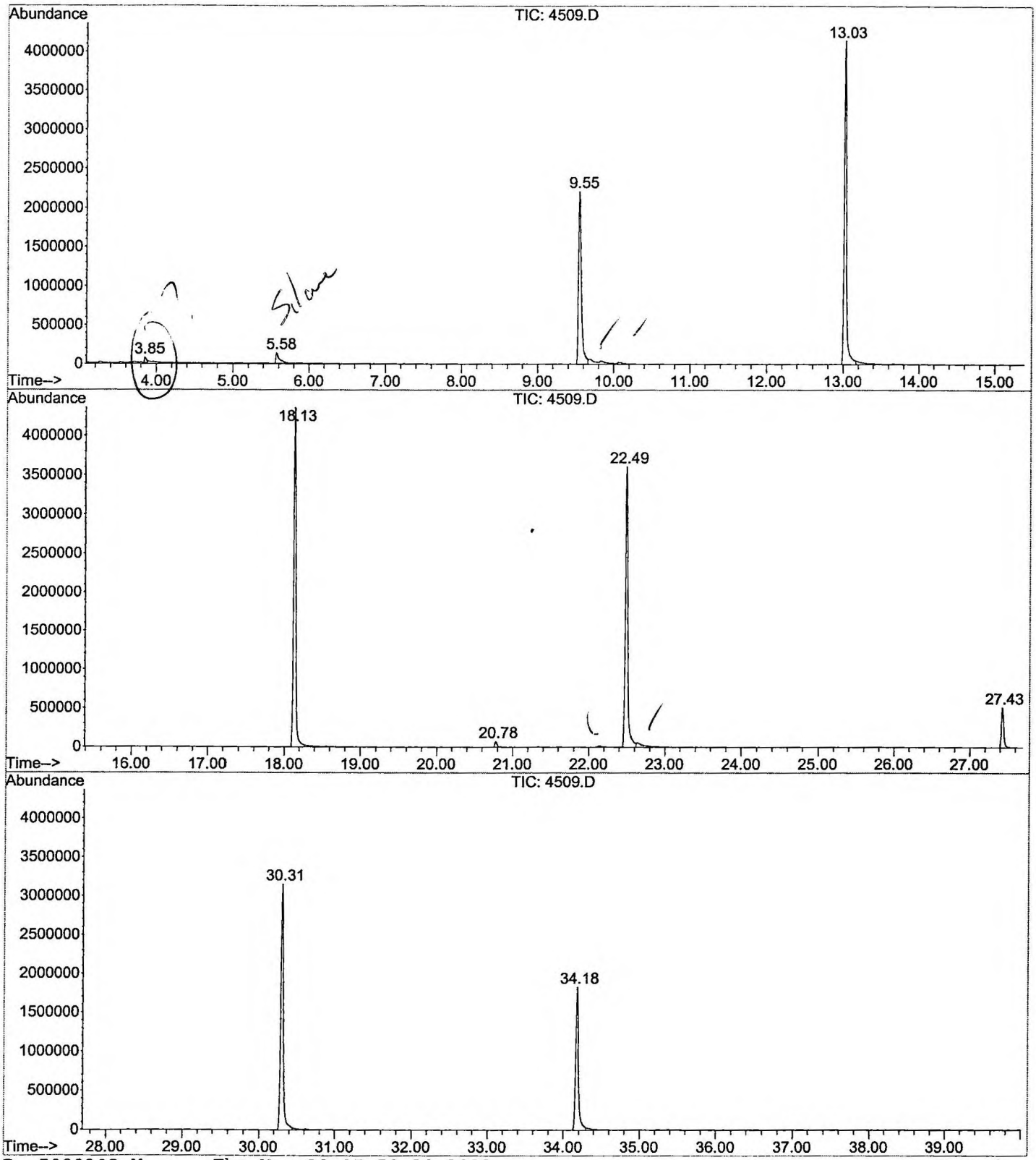
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.855	129	132	137	rBV2	66037	109759	1.20%	0.240%
2	5.576	421	425	443	rBV	133467	408760	4.49%	0.895%
3	9.548	1094	1101	1120	rBV	2206956	5746261	63.06%	12.587%
4	13.027	1685	1693	1717	rBV	4146453	8595371	94.33%	18.828%
5	18.132	2553	2562	2585	rBV	4361263	9112177	100.00%	19.960%
6	20.782	3007	3013	3020	rBV3	71367	129023	1.42%	0.283%
7	22.492	3295	3304	3326	rBV2	3607843	8460085	92.84%	18.532%
8	27.428	4137	4144	4159	rBV	510378	1043171	11.45%	2.285%
9	30.307	4624	4634	4657	rBV2	3148811	7464932	81.92%	16.352%
10	34.179	5282	5293	5313	rBV2	1826869	4581973	50.28%	10.037%

Sum of corrected areas: 45651512

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\032602\4509.D
Operator : McLean
Acquired : 27 Mar 2002 5:34 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: SAMPLE 4509 3/2/02
Misc Info :
Vial Number: 54
Quant File :5080302.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\DATA\032602\4509.D Vial: 54
Acq On : 27 Mar 2002 5:34 pm Operator: McLean
Sample : SAMPLE 4509 3/2/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

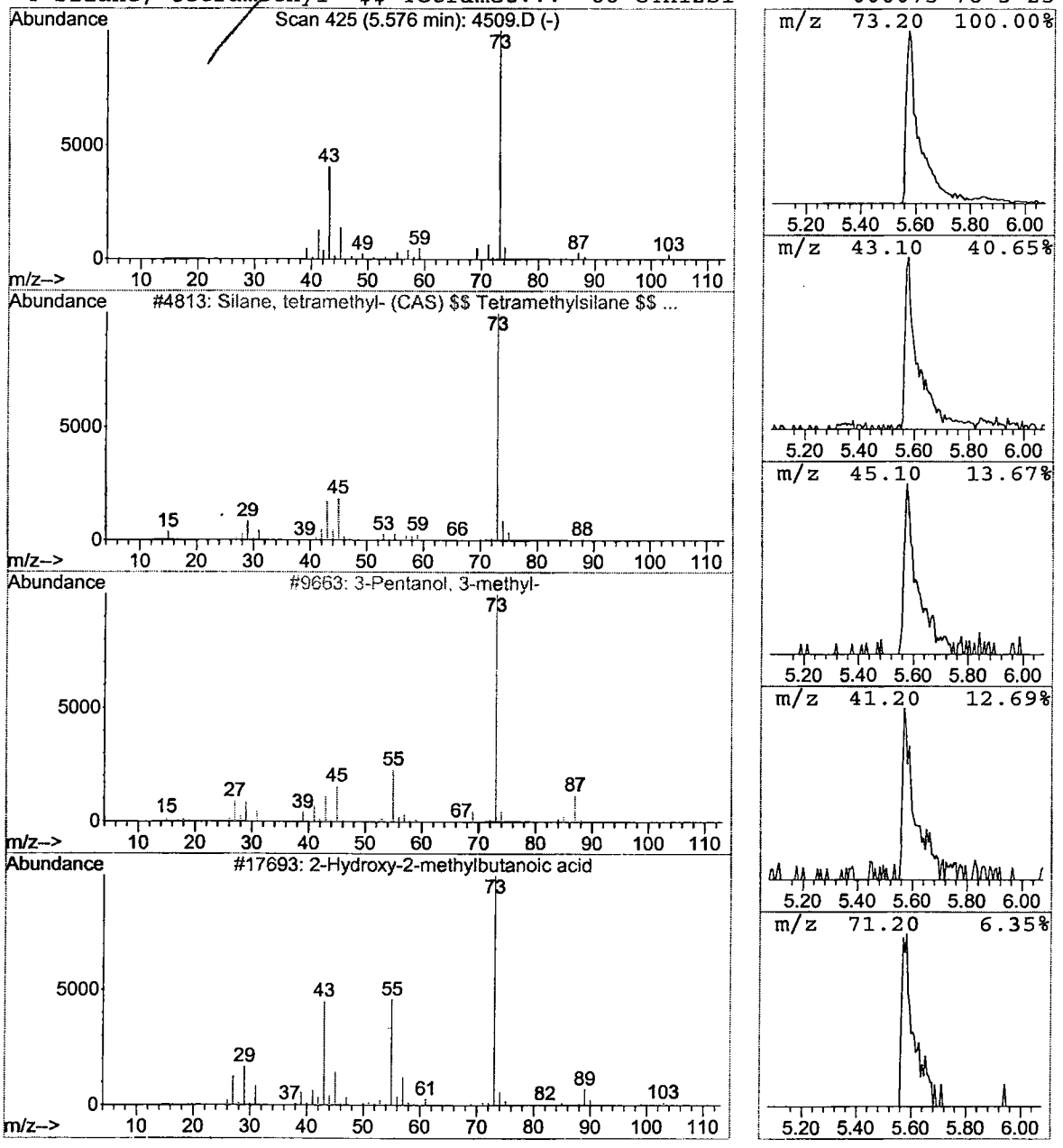
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

****

Peak Number 1 Silane, tetramethyl- (CAS) ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	1.42 ug/L	408760	1,4-Dichlorobenzene-d4	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl- (CAS) $$ Te...	88	C4H12Si	000075-76-3	43
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	33
3	2-Hydroxy-2-methylbutanoic acid	118	C5H10O3	000000-00-0	28
4	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	25



Tentatively Identified Compound (TIC) Summary

Operator ID: McLean Date Acquired: 27 Mar 2002 5:34 pm
Data File: C:\MSDCHEM\1\DATA\032602\4509.D
Name: SAMPLE 4509 3/2/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Silane, tetrameth...	5.58	1.4	ug/L	408760	1	9.55	5746260	20.0

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: Q-2848 Q 2840 P-1554 P-1531

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

Time/Date Collected: 0840 2-23-02
Collected By: L Wagner Agency Code: _____

Collected From:
Location's/Individual's Name NYC DEP
Street 19 Westlake Drive
City/St/Zip Valhalla NY 10595
Identification of Source _____
Collection Point Del 18

Bottle #'s: C-0994, K.B 0276, K.465 K.466 K 467
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#: _____

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#: 4509

___ 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: SO

___ 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