User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/21/2002 Time: 15:53:13

Sample: AE05912
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/21/02 15:52 Ended: 3/21/02 15:52 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2					

3 5150 / 07566
3/8/2
Brown

Comments for Sample AE05912 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-21-2002 Time: 15:53:30

The GCMS scan, from 35 to 550 amu, reveals the presence of a poorly identified hydrocarbon at 30.61 minutes, with an estimated concentration of 0.77 ug/L. Recoveries for 27 of 43 compounds in the LCS Standard were above their acceptance ranges, while one was below. Recalculation of recovery values will be performed.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031702\5912.D Vial: 28
Acq On : 18 Mar 2002 8:29 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:18:13 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 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	1185899	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3299524	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	1832081	20.00	ug/L	0.00
29) Phenanthrene-d10	22.49	188	2787587	20.00	ug/L	0.00
38) Chrysene-d12	30.30	240	2562145	20.00	ug/L	-0.02
44) Perylene-d12	34.18	264	1404813	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	265114	7.97	ug/L	0.00
Spiked Amount 5.000			Recovery = 159.40%			
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.		
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	24.64	149	57878	0.39	ug/L	98
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	0.00	149	0	N.D. d		
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)

Data File : C:\MSDCHEM\1\DATA\031702\5912.D Vial: 28
Acq On : 18 Mar 2002 8:29 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:18:13 2002 Quant Results File: 5080302.RES

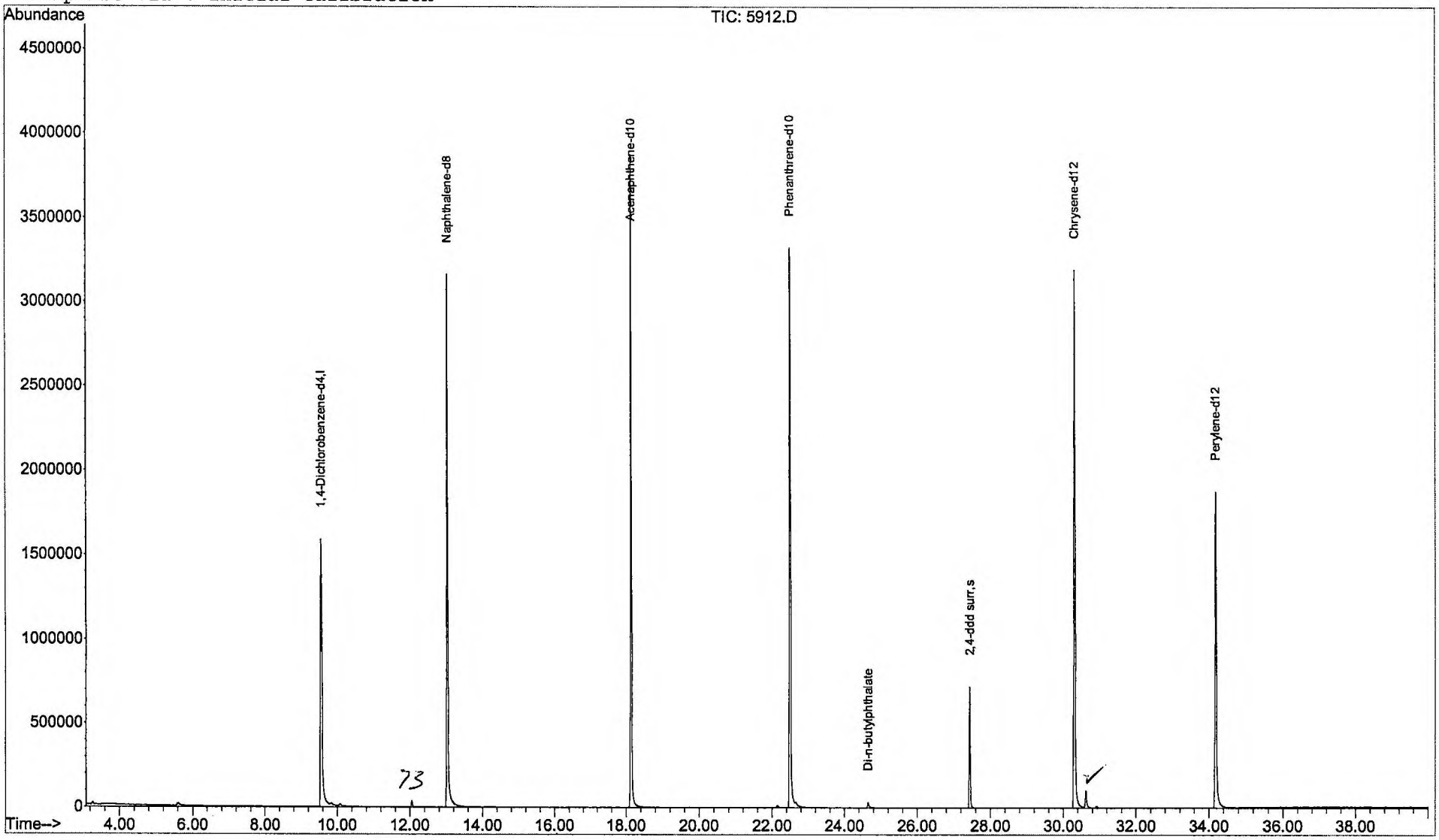
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

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
5912.D 5080302.M Wed Mar 20 11:21:06 2002

Data File : C:\MSDCHEM\1\DATA\031702\5912.D Vial: 28
Acq On : 18 Mar 2002 8:29 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:20 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\031702\5912.D Vial: 28
Acq On : 18 Mar 2002 8:29 am Operator: McLean
Sample : 3/14/02 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

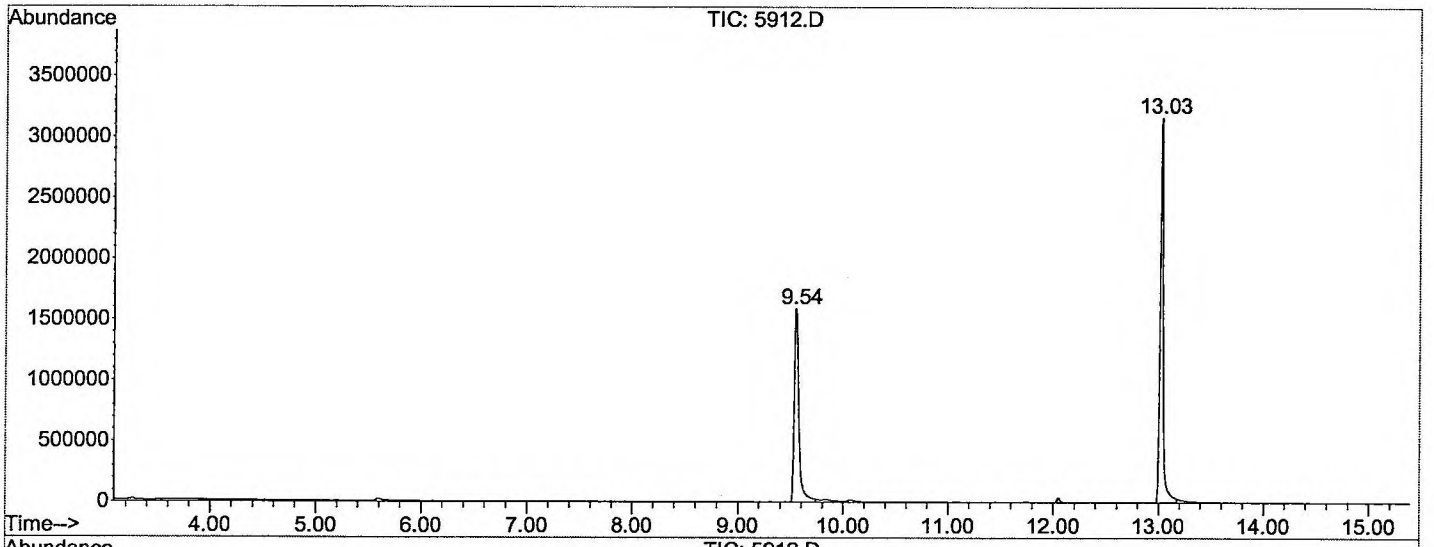
Signal : TIC

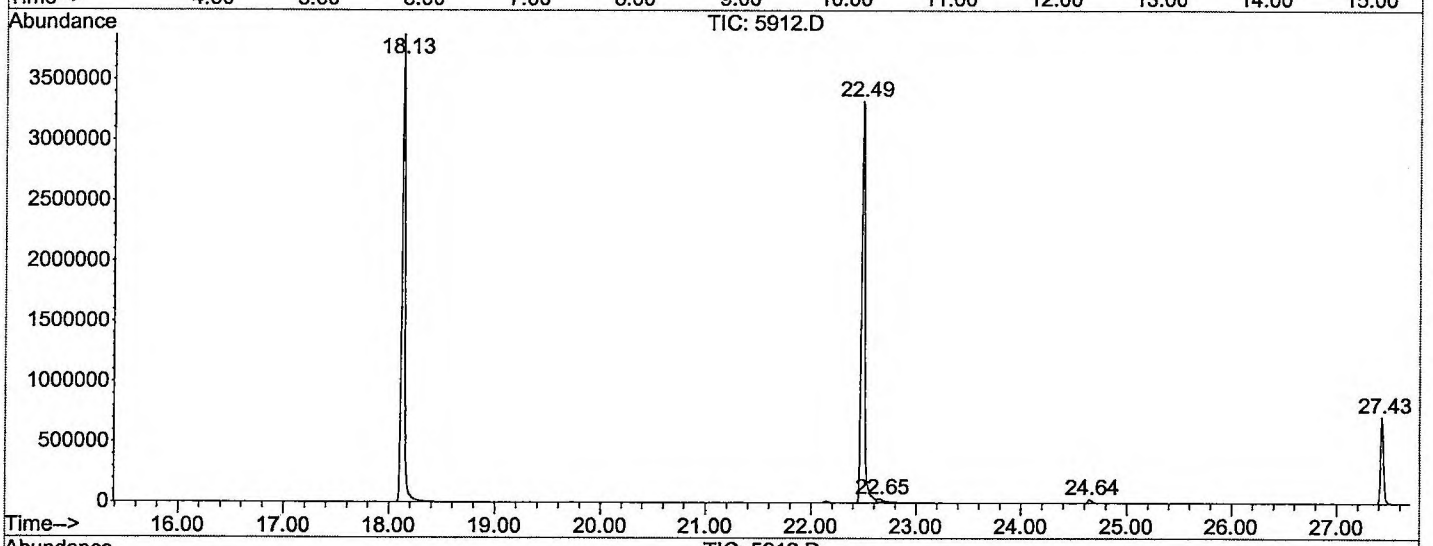
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.543	709	713	734	rBV	1586533	4911912	64.31%	11.974%
2	13.026	1091	1097	1113	rBV	3160484	6970383	91.26%	16.991%
3	18.133	1654	1660	1678	rBV	3867951	7576212	99.19%	18.468%
4	22.486	2135	2140	2155	rBV2	3321460	7637791	100.00%	18.618%
5	22.650	2155	2158	2170	rVB3	29084	117141	1.53%	0.286%
6	24.645	2374	2378	2389	rBV	32188	79356	1.04%	0.193%
7	27.430	2680	2685	2698	rBB	717760	1396986	18.29%	3.405%
8	30.305	2995	3002	3025	rBV2	3188603	7398367	96.87%	18.035%
9	30.613	3029	3036	3051	rVB2	99552	283034	3.71%	0.690%
10	34.178	3423	3429	3447	rBV	1873690	4651990	60.91%	11.340%

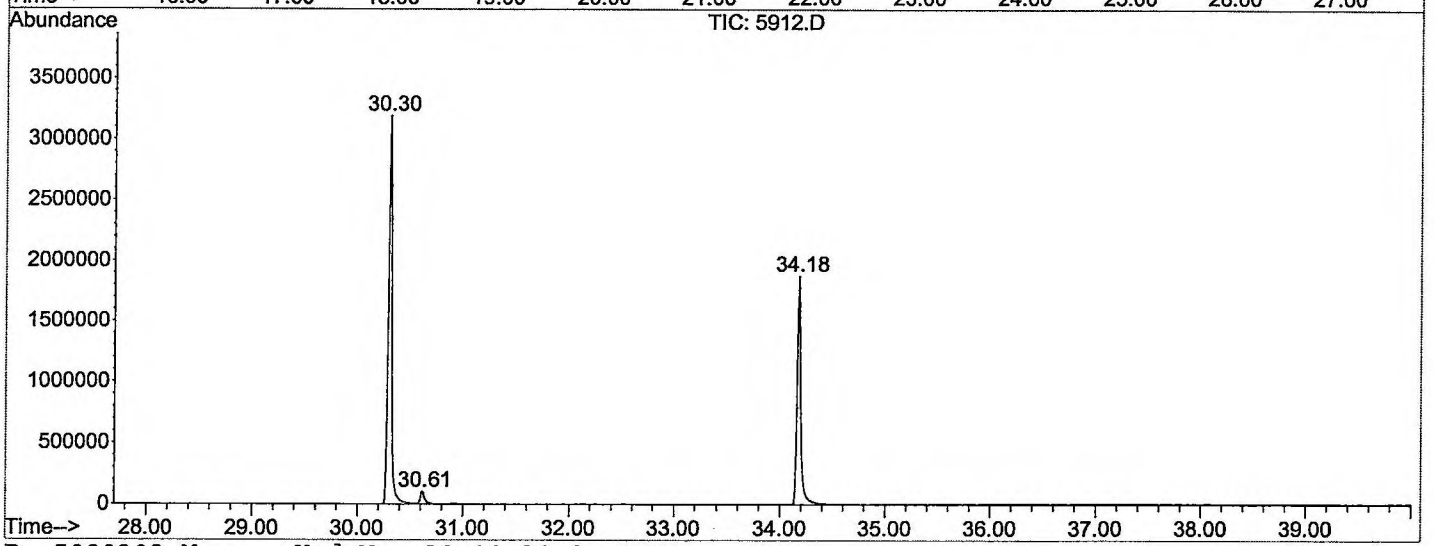
Sum of corrected areas: 41023172

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031702\5912.D
Operator : McLean
Acquired : 18 Mar 2002 8:29 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 3/14/02
Misc Info :
Vial Number: 28
Quant File :5080302.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031702\5912.D Vial: 28
Acq On : 18 Mar 2002 8:29 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

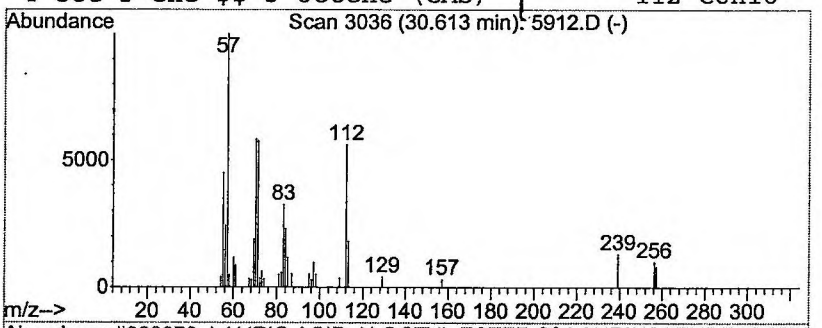
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

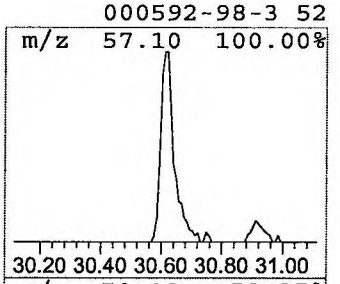
****

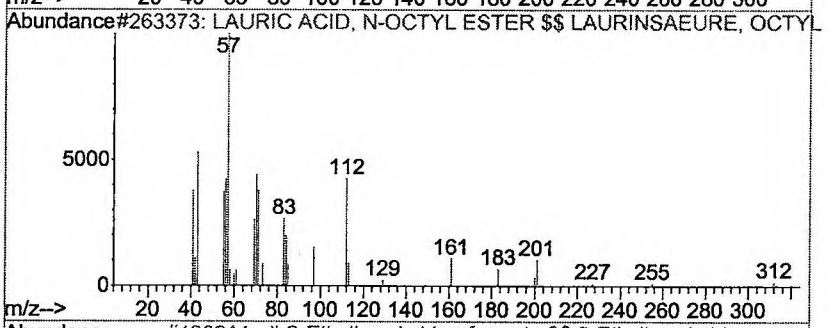
Peak Number 1 LAURIC ACID, N-OCTYL ESTER ... Concentration Rank 1

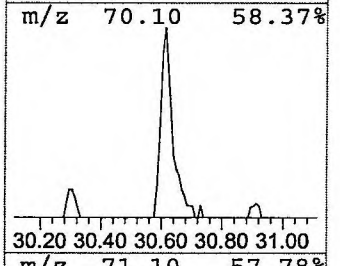
R.T.	EstConc	Area	Relative to ISTD	R.T.
30.61	0.77 ug/L	283034	Chrysene-d12	30.30

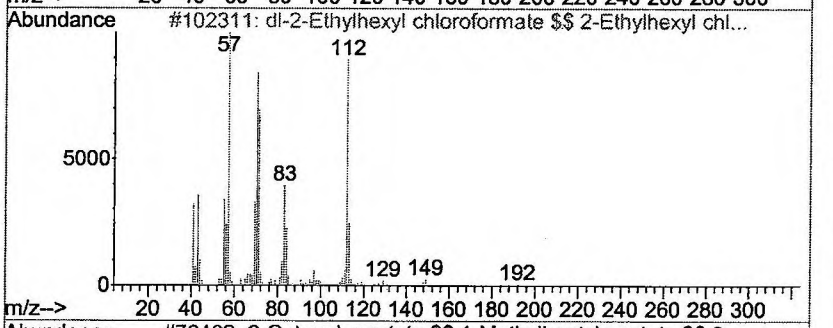
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	LAURIC ACID, N-OCTYL ESTER $$ LA...	312	C20H40O2	000000-00-0	72
2	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	64
3	2-Octanol, acetate $$ 1-Methylhe...	172	C10H20O2	002051-50-5	53
4	oct-3-ene $$ 3-Octene (CAS)	112	C8H16	000592-98-3	52

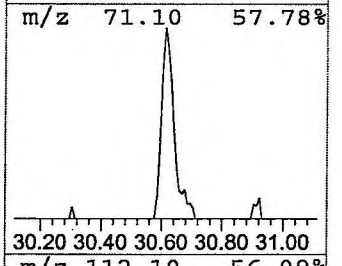


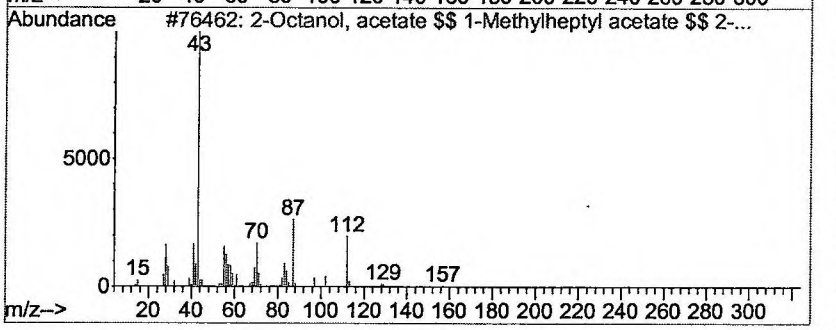


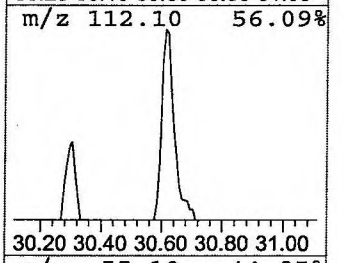


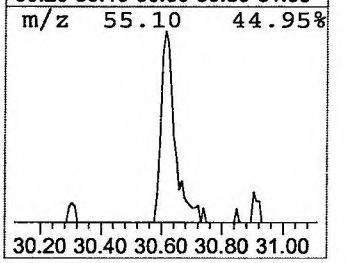












Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 18 Mar 2002 8:29 am
Data File: C:\MSDCHEM\1\DATA\031702\5912.D
Name: 3/14/02
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
LAURIC ACID, N-OC...	30.61	0.8	ug/L	283034	5	30.30	7398370	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:

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

Time/Date Collected: _____
Collected By: _____ Agency Code: _____

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

Bottle #'s: _____
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#: _____

___ 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: _____

___ 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