User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/21/2002 Time: 15:45:23

Sample: AE05909
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/21/02 15:45 Ended: 3/21/02 15:45 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	SUIT 2,4-DD[illegible]	USPEC	152		5.0

58 3/9/02 Ribando

Comments for Sample AE05909 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-21-2002 Time: 15:50:11

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 2.7 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\5909.D Vial: 21
Acq On : 18 Mar 2002 2:45 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:08:13 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	1319665	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3635451	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	2005476	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3116327	20.00	ug/L	0.00
38) Chrysene-d12	30.30	240	2823800	20.00	ug/L	-0.02
44) Perylene-d12	34.18	264	1642576	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	281950	7.58	ug/L	0.00
Spiked Amount 5.000			Recovery = 151.60%			
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.		
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	24.65	149	48793	0.29	ug/L	97
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\5909.D Vial: 21
Acq On : 18 Mar 2002 2:45 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:08:13 2002 Quant Results File: 5080302.RES

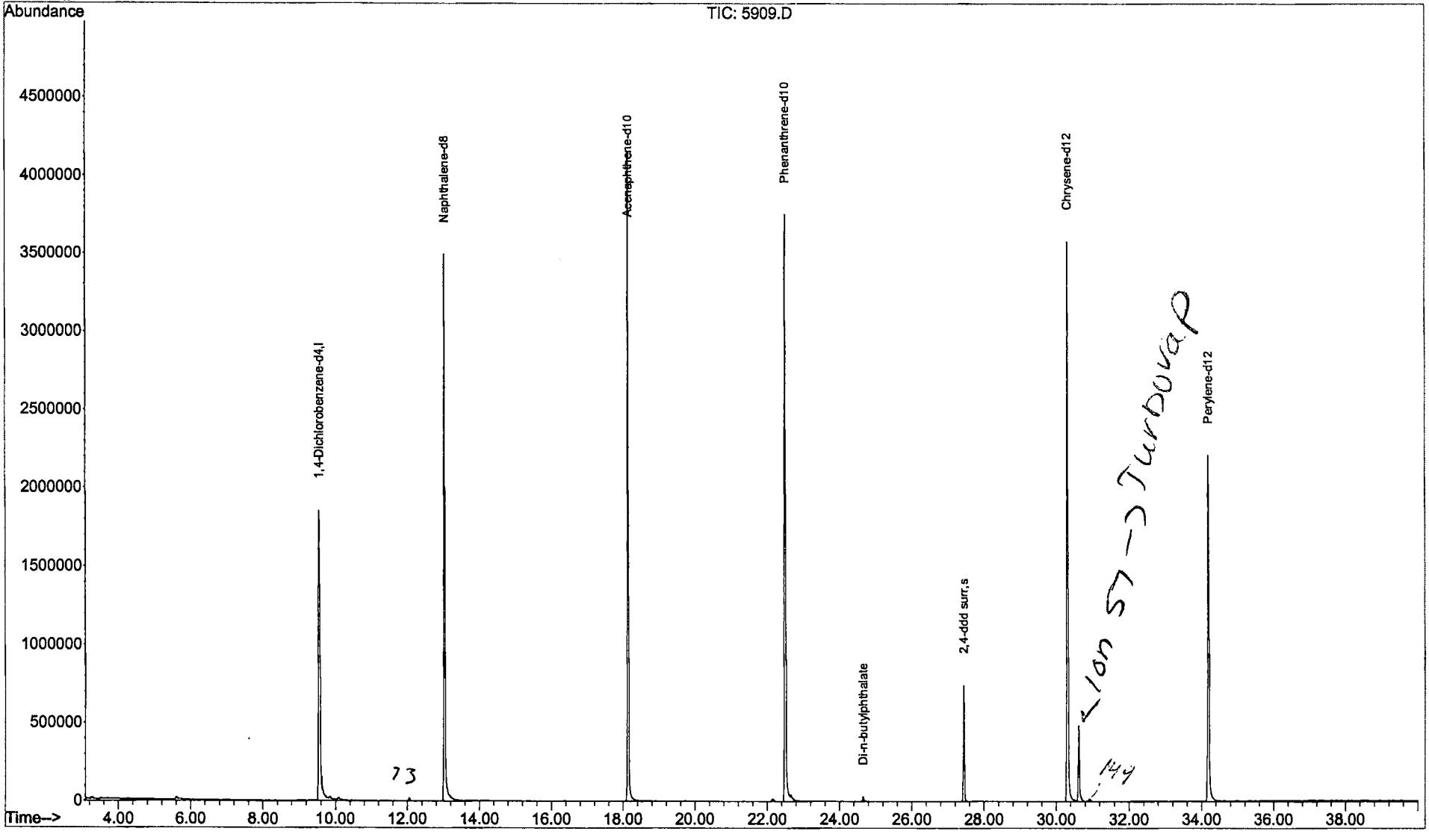
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

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
5909.D 5080302.M Wed Mar 20 11:09:51 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\031702\5909.D Vial: 21
Acq On : 18 Mar 2002 2:45 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 11:09 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\5909.D Vial: 21
Acq On : 18 Mar 2002 2:45 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

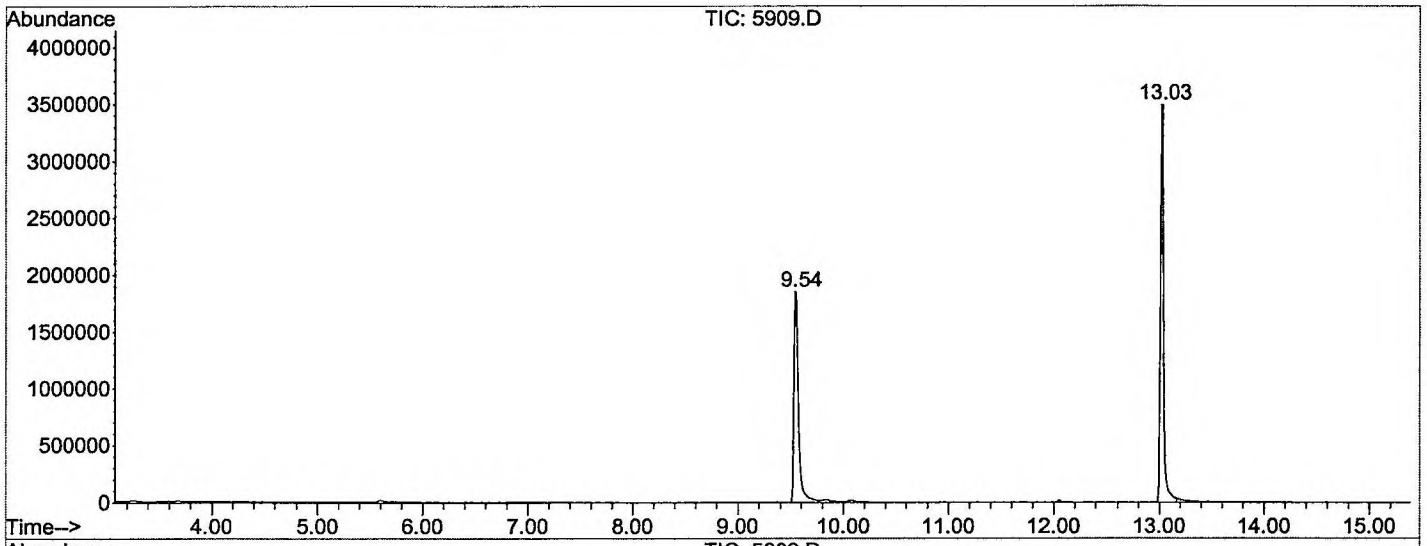
Signal : TIC

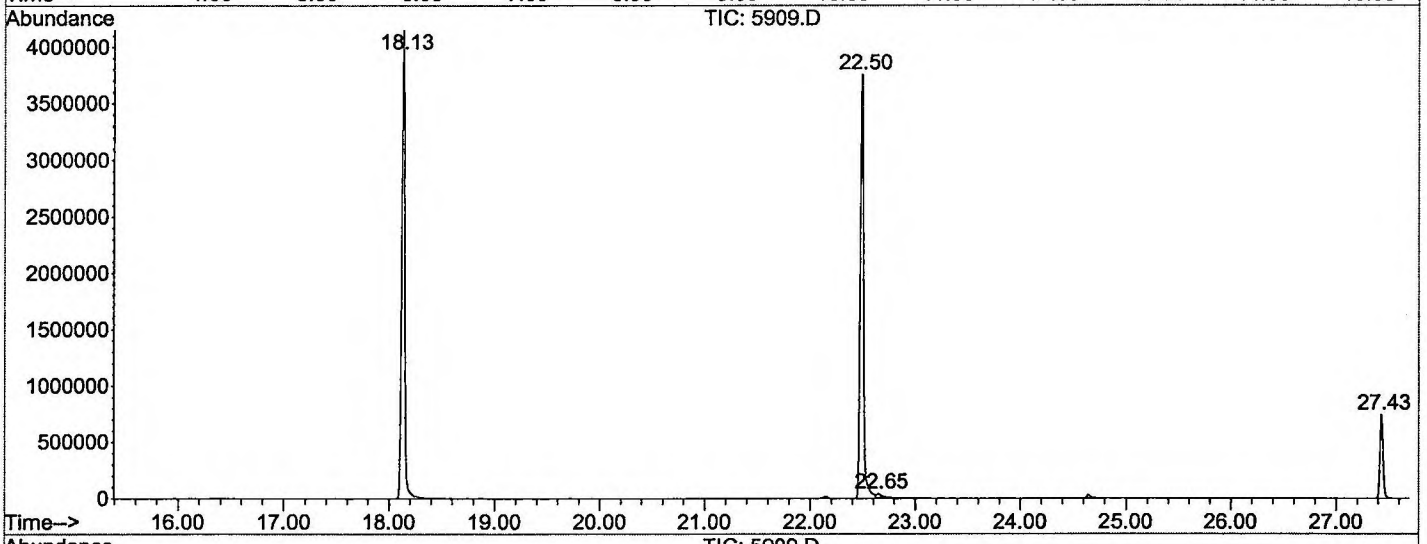
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.543	709	713	737	rBV	1850761	5518958	64.86%	11.882%
2	13.026	1091	1097	1112	rBV	3496133	7690914	90.39%	16.558%
3	18.133	1654	1660	1683	rBV	4151261	8389706	98.60%	18.063%
4	22.495	2134	2141	2155	rBV2	3753714	8508718	100.00%	18.319%
5	22.650	2155	2158	2170	rVB2	36217	128573	1.51%	0.277%
6	27.430	2680	2685	2698	rVB	742534	1458706	17.14%	3.141%
7	30.305	2995	3002	3018	rBV2	3579975	8222214	96.63%	17.702%
8	30.613	3031	3036	3050	rBV	478878	1118278	13.14%	2.408%
9	34.178	3422	3429	3455	rBV2	2209522	5411891	63.60%	11.652%

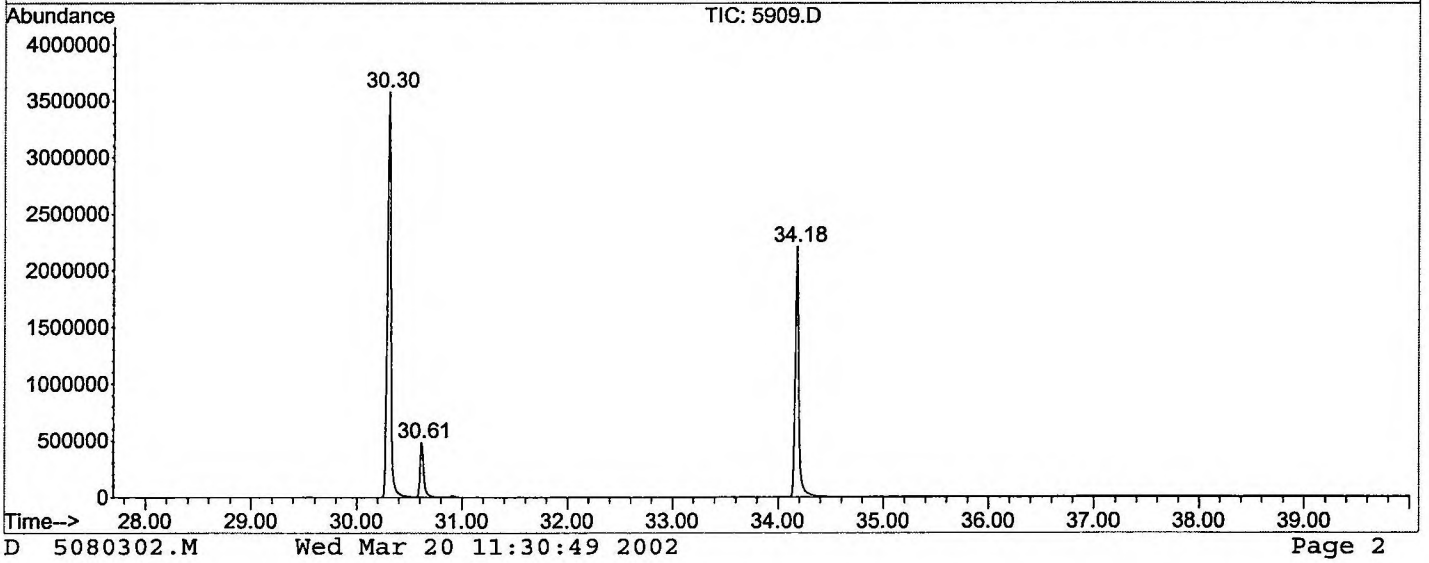
Sum of corrected areas: 46447958

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031702\5909.D
Operator : McLean
Acquired : 18 Mar 2002 2:45 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 3/14/02
Misc Info :
Vial Number: 21
Quant File :5080302.RES (RTE Integrator)







Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031702\5909.D Vial: 21
Acq On : 18 Mar 2002 2:45 am Operator: McLean
Sample : 3/14/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

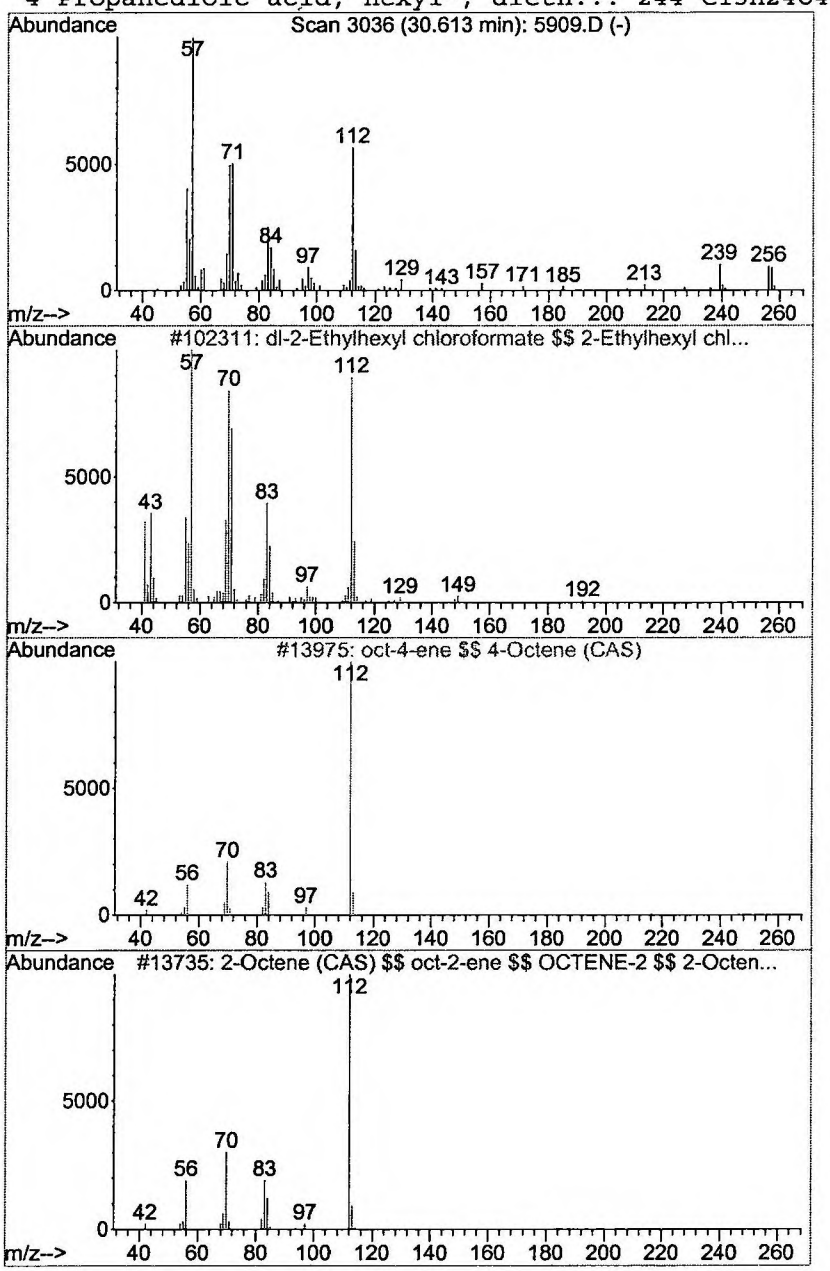
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

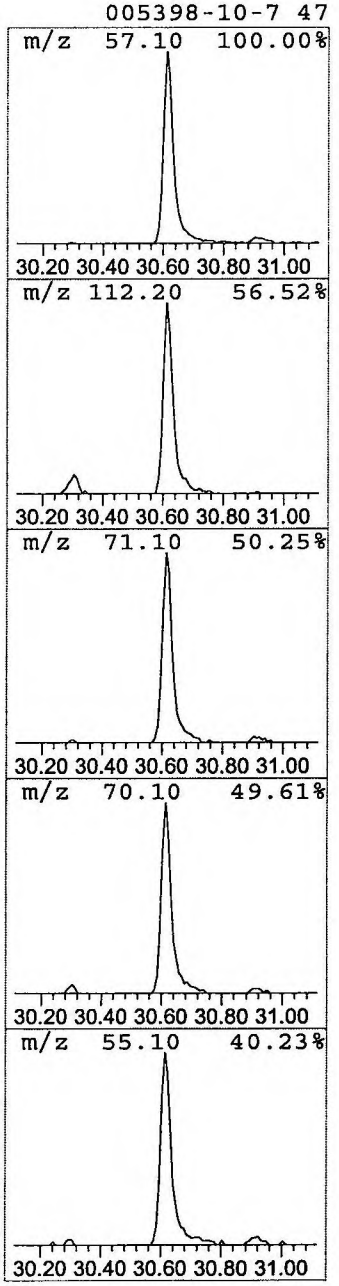
****

Peak Number 1 dl-2-Ethylhexyl chloroforma... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.61	2.72 ug/L	1118280	Chrysene-d12	30.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	72
2	oct-4-ene $$ 4-Octene (CAS)	112	C8H16	000592-99-4	49
3	2-Octene (CAS) $$ oct-2-ene $$ O...	112	C8H16	000111-67-1	47
4	Propanedioic acid, hexyl-, dieth...	244	C13H24O4	005398-10-7	47





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 18 Mar 2002 2:45 am
Data File: C:\MSDCHEM\1\DATA\031702\5909.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
dl-2-Ethylhexyl c...	30.61	2.7	ug/L	1118280	5	30.30	8222210	20.0

Westchestergov.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: FB

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

Bottle #'s: P 2836 P 1527 P 3363 S 19 S 3146 Q 3146 C 9692

Chain of Custody? ___ Yes ___ No

Time/Date Collected: [illegible] 3/19/2002

Comments: ____

Collected By: J Ribando Agency Code: ____

PWS #: ____ Source ID: ____ Type Descriptor: ____

Collected From:
Location's/Individual's Name ____
Street ____
City/St/Zip ____
Identification of Source ____
Collection Point 53

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#: 5409

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)
X GC/MS Unknown Scan
__ Phthalates (606MS)
__ Other: [illegible]

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