

User: Vinci, David L
 Westchester Dept. of Labs & Research
 Date: 05/03/2002 Time: 12:33:51

Sample: AE06408
 Analysis: \$GCMS GCMS Scan For Unknowns
 Units: ug
 Started: 5/3/02 12:33 Ended: 5/3/02 12:33 Analyst: DLV
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Sum 2.7500	100%	100		100

Comments for Sample AE06408 - Analysis \$GCMS

Vestchester Dept. of Labs & Research

User: Vinci, David L

Date: 05-03-2002 Time: 12:34:20

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The Surrogate Standard recovery for this sample was below 70%. There was no additional sample available to re-extract. There will be no charge for this analysis.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
 Acq On : 10 Apr 2002 1:24 am
 Sample : 3/18
 Misc :
 MS Integration Params: EVENTS.E
 Quant Time: Apr 26 13:35:16 2002

Vial: 12
 Operator: McLean
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Last Update : Fri Apr 26 13:24:19 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.67	152	5461358	40.00	ug/l	0.00
10) Naphthalene-d8	15.78	136	20576914	40.00	ug/l	0.00
17) Acenaphthene-d10	23.68	164	11873885	40.00	ug/l	0.00
30) Phenanthrene-d10	30.91	188	19334792	40.00	ug/l	0.01
38) Chrysene-d12	39.11	240	15819877	40.00	ug/l	0.00
44) Perylene-d12	42.31	264	8372887	40.00	ug/l	0.00

System Monitoring Compounds

27) TCMX	0.00	207	0	0.00	ug/l	
Spiked Amount	4.000			Recovery	=	0.00%
37) 2,4-DDD	36.62	235	719342	2.96	ug/ml	0.00
Spiked Amount	4.000			Recovery	=	74.00%

Target Compounds

59 (1111)
 Qvalue!

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 6408.D SCANAPR0902.M Thu May 02 15:09:30 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020409\6408.D

Vial: 12

Acq On : 10 Apr 2002 1:24 am

Operator: McLean

Sample : 3/18

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: EVENTS.E

Quant Time: May 2 15:09 2002

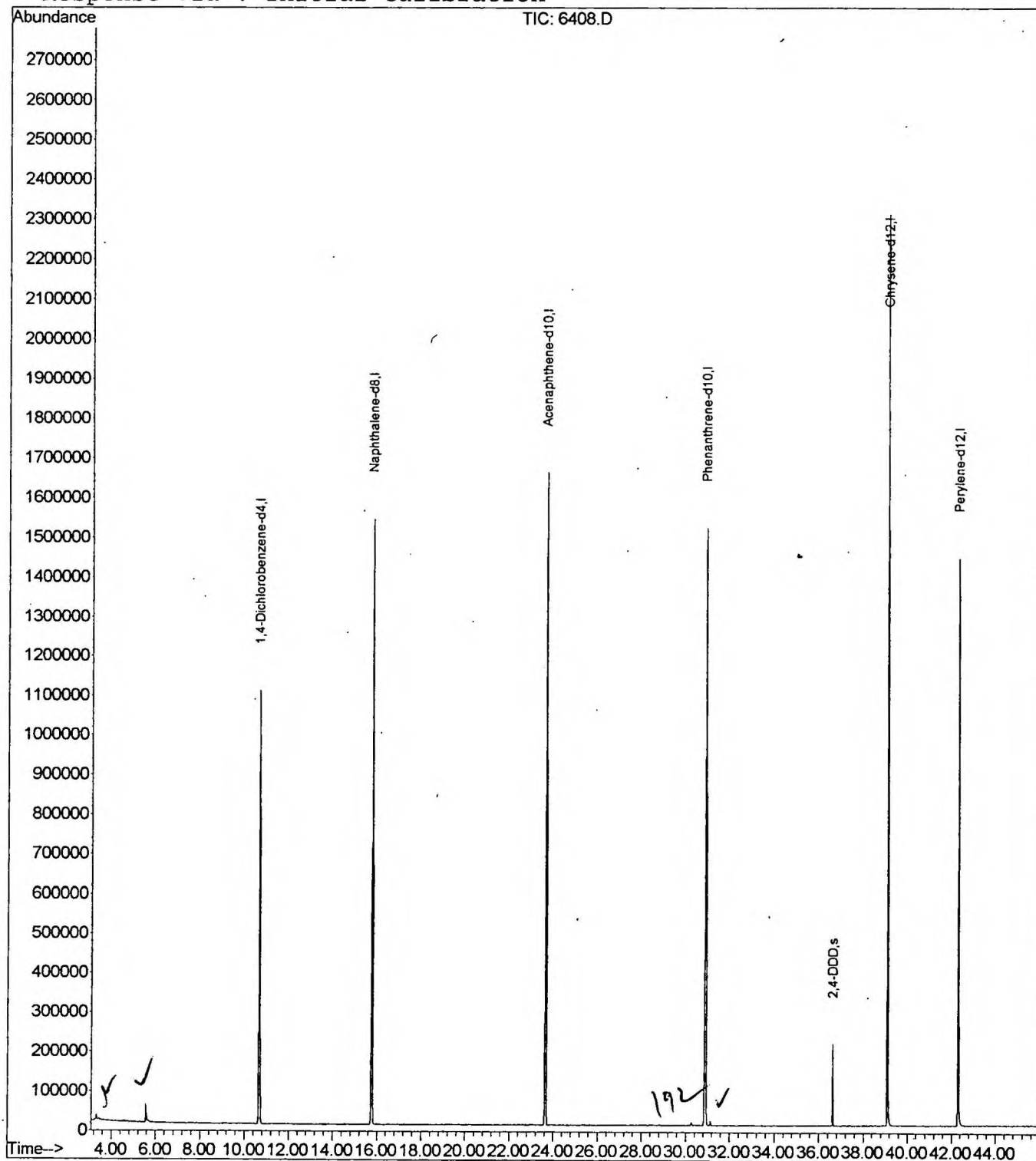
Quant Results File: SCANAPR090

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)

Title : Method 508 GC/MS Scan

Last Update : Mon Apr 15 14:13:03 2002

Response via : Initial Calibration



6408.D SCANAPR0902.M

Thu May 02 15:09:30 2002

Page 2

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
Acq On : 10 Apr 2002 1:24 am
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan

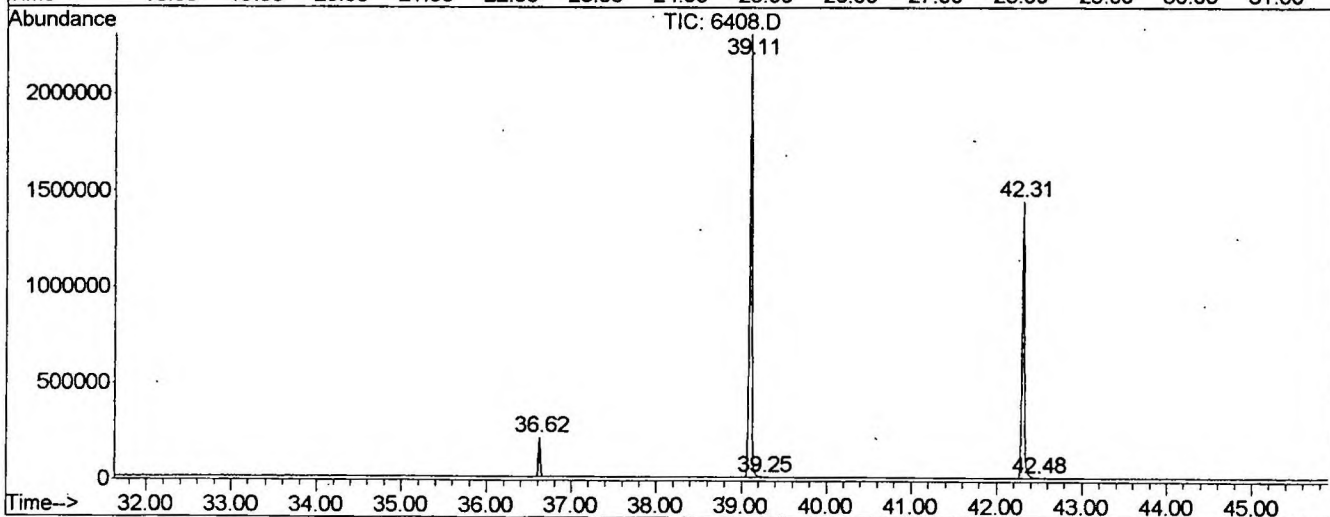
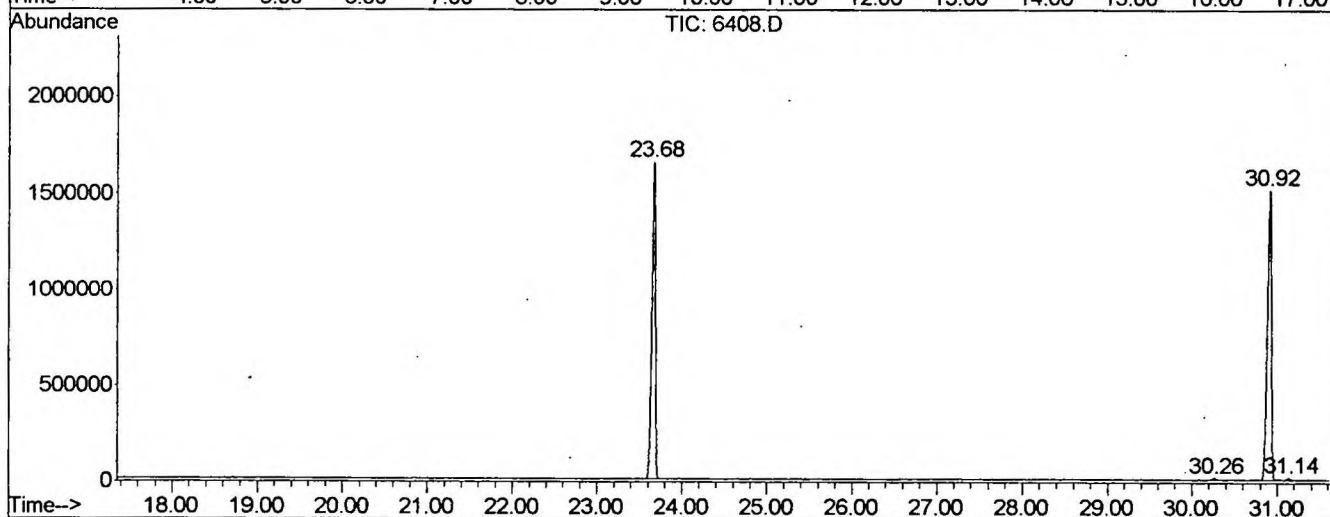
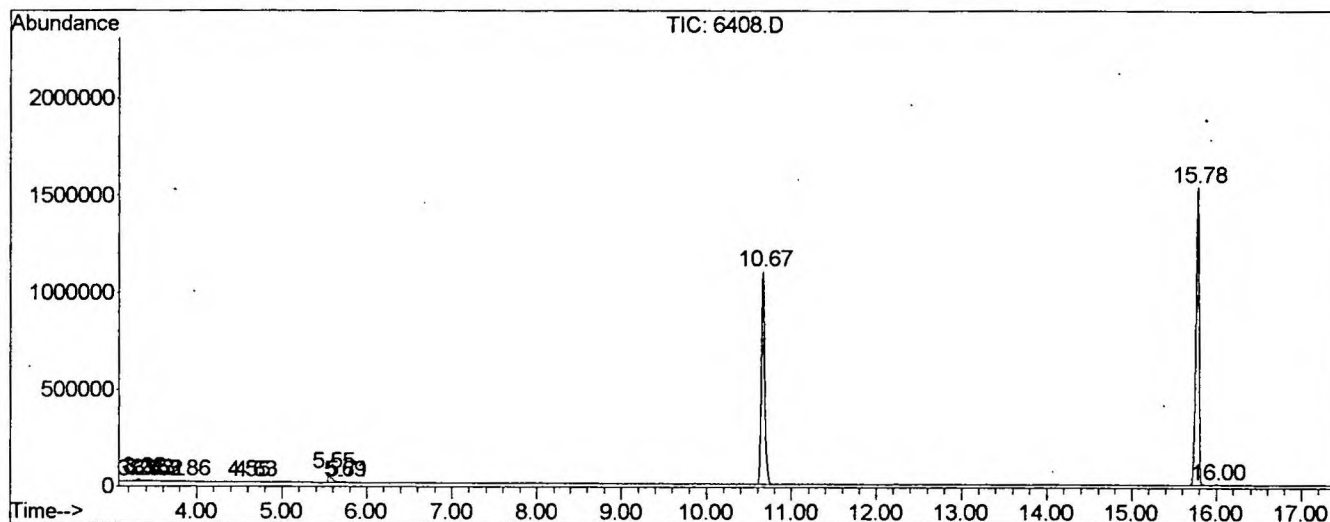
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.261	22	31	33	PV 3	4249	90681	0.18%	0.036%
2	3.320	33	41	45	VV 3	15452	362168	0.73%	0.146%
3	3.355	45	47	51	VV 2	5578	83257	0.17%	0.034%
4	3.426	51	59	65	VV 2	5860	212092	0.42%	0.085%
5	3.526	73	76	80	VV 2	4354	84183	0.17%	0.034%
6	3.855	130	132	136	VV 3	1962	20453	0.04%	0.008%
7	4.554	246	251	253	VV 3	2123	23397	0.05%	0.009%
8	4.630	261	264	275	VV 3	3169	49612	0.10%	0.020%
9	5.553	416	421	442	PV 2	46831	1343469	2.69%	0.541%
10	5.688	442	444	447	VV 3	3427	54168	0.11%	0.022%
11	5.717	447	449	462	VV 2	3069	86268	0.17%	0.035%
12	10.664	1272	1291	1316	VV	1085078	30658215	61.40%	12.339%
13	15.782	2141	2162	2180	PV	1521695	40479593	81.07%	16.291%
14	15.999	2191	2199	2209	VV 2	2450	63538	0.13%	0.026%
15	23.679	3488	3506	3517	VV	1641929	47963690	96.06%	19.303%
16	30.265	4618	4627	4636	PV 4	7532	219269	0.44%	0.088%
17	30.917	4718	4738	4756	VV 2	1509285	49931373	100.00%	20.095%
18	31.135	4766	4775	4785	VV 3	10679	273761	0.55%	0.110%
19	36.623	5703	5709	5716	VV	203989	3396344	6.80%	1.367%
20	39.108	6118	6132	6154	PV	2256440	45205756	90.54%	18.193%
21	39.243	6154	6155	6161	VB	1940	23558	0.05%	0.009%
22	42.310	6664	6677	6703	PV	1392691	27802112	55.68%	11.189%
23	42.475	6703	6705	6717	VV 2	1994	45378	0.09%	0.018%

Sum of corrected areas: 248472336

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020409\6408.D
 Operator : McLean
 Acquired : 10 Apr 2002 1:24 am using AcqMethod 508SCAN1
 Instrument : Instrumen
 Sample Name: 3/18
 Misc Info :
 Vial Number: 12
 Quant File :SCANAPR0902.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
 Acq On : 10 Apr 2002 1:24 am
 Sample : 3/18
 Misc :
 MS Integration Params: LSCINT.e

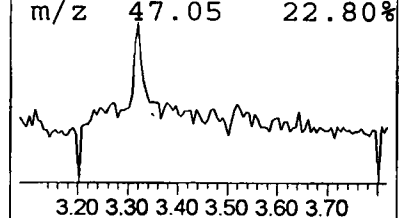
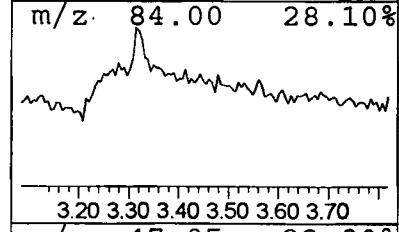
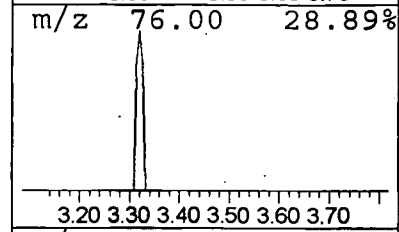
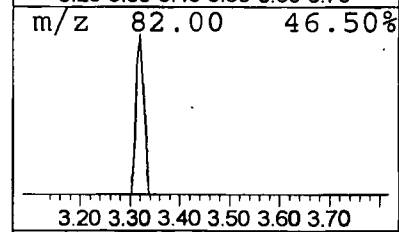
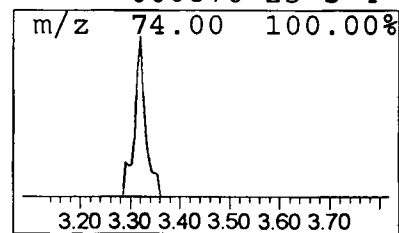
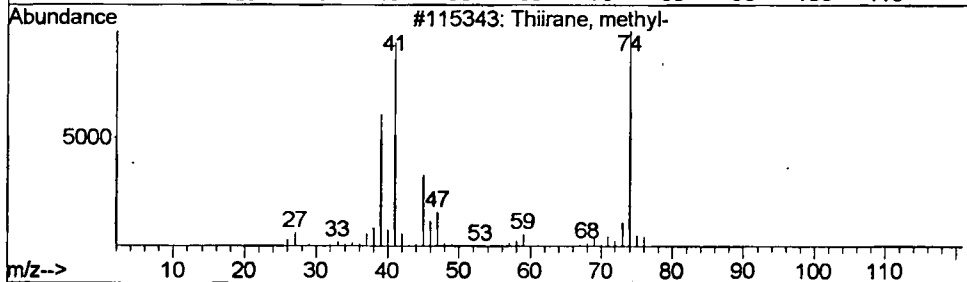
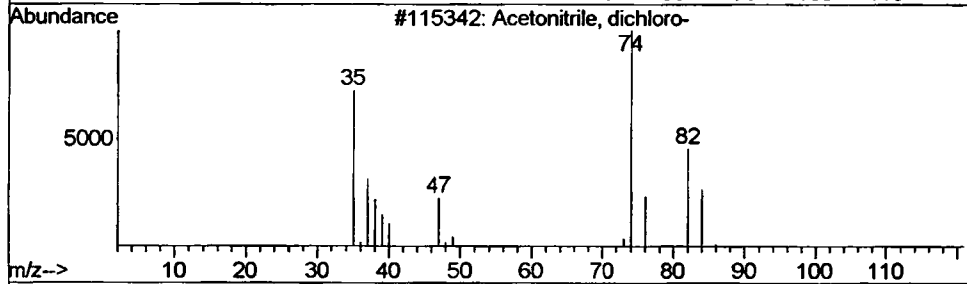
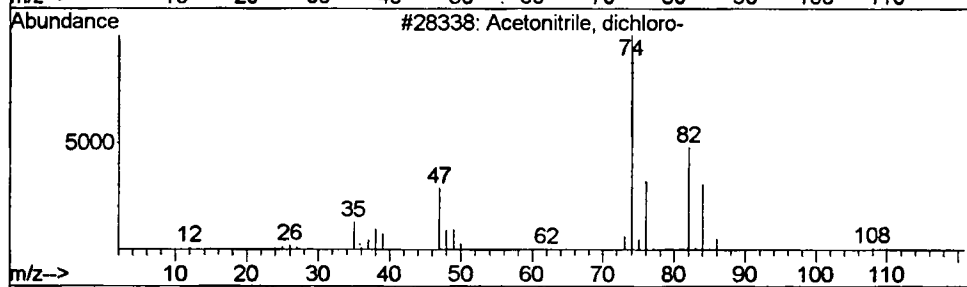
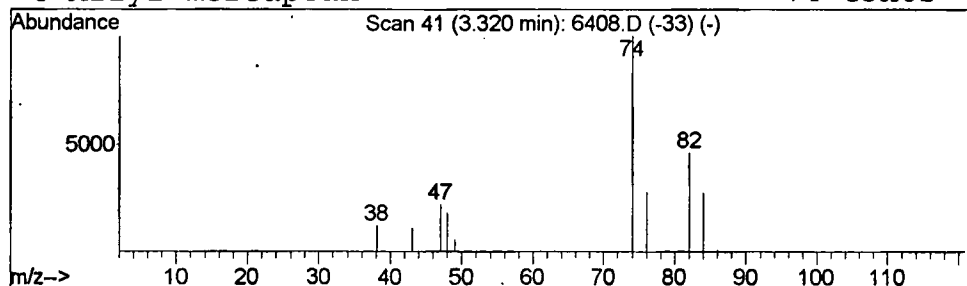
Vial: 12
 Operator: McLean
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.1

 Peak Number 1 Acetonitrile, dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	0.47 ug/l	362168	1,4-Dichlorobenzene-d4	10.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2			Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3			Thiirane, methyl-	74	C3H6S	001072-43-1	4
4			Allyl mercaptan	74	C3H6S	000870-23-5	4



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
Acq On : 10 Apr 2002 1:24 am
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

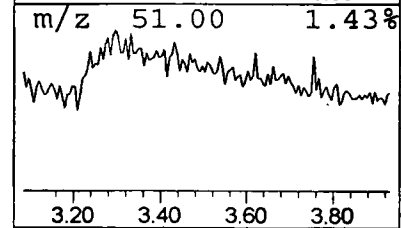
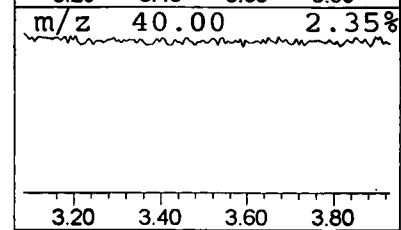
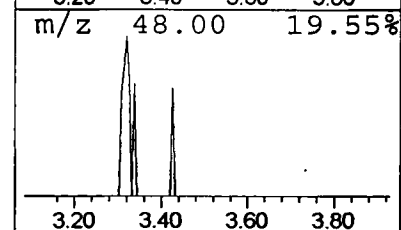
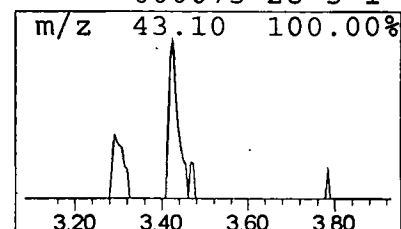
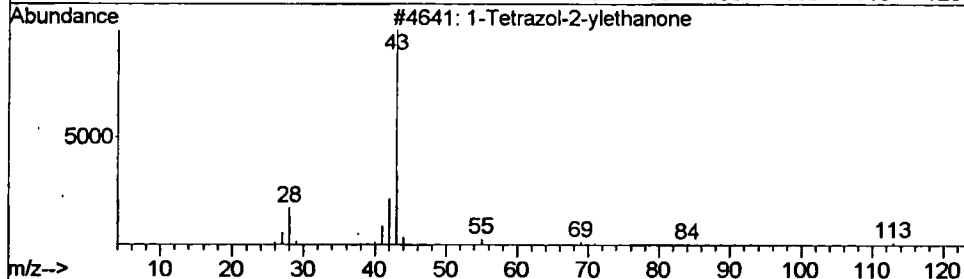
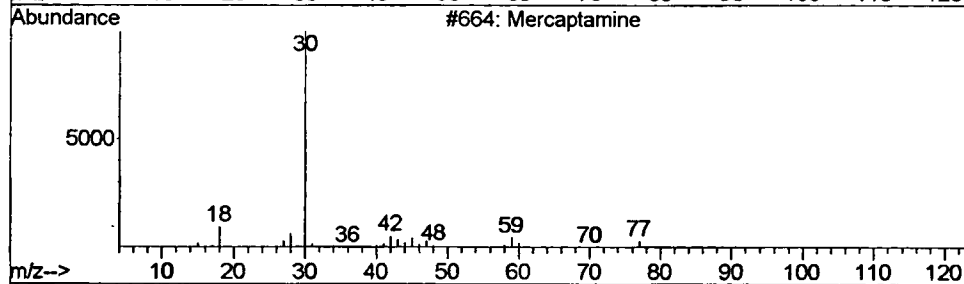
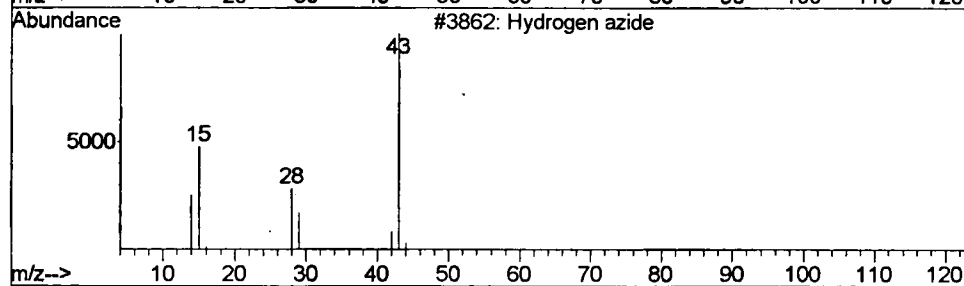
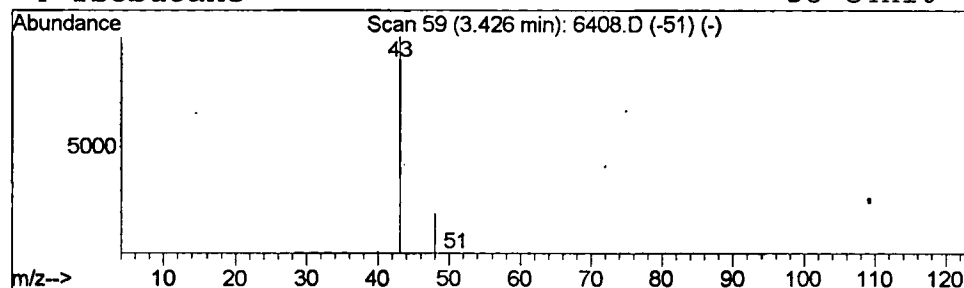
Vial: 12
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.1

Peak Number 2 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.43	0.28 ug/l	212092	1,4-Dichlorobenzene-d4	10.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hydrogen azide	43	HN3	007782-79-8	1
2		Mercaptamine	77	C2H7NS	000060-23-1	1
3		1-Tetrazol-2-ylethanone	112	C3H4N4O	1000195-06-4	1
4		Isobutane	58	C4H10	000075-28-5	1



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
Acq On : 10 Apr 2002 1:24 am
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

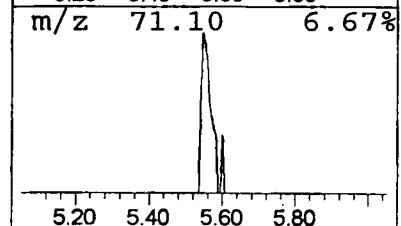
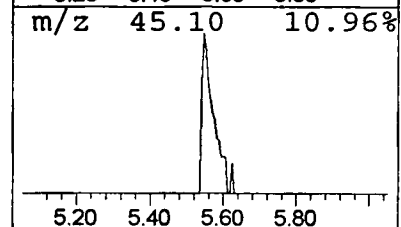
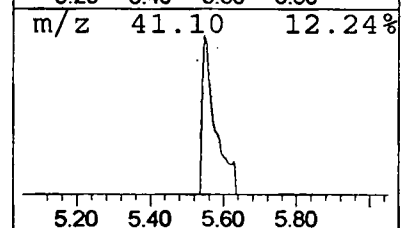
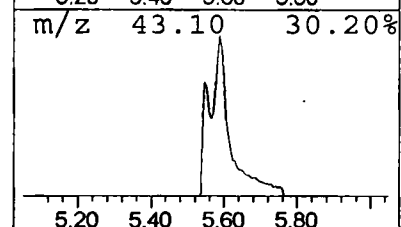
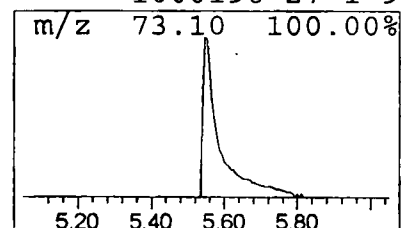
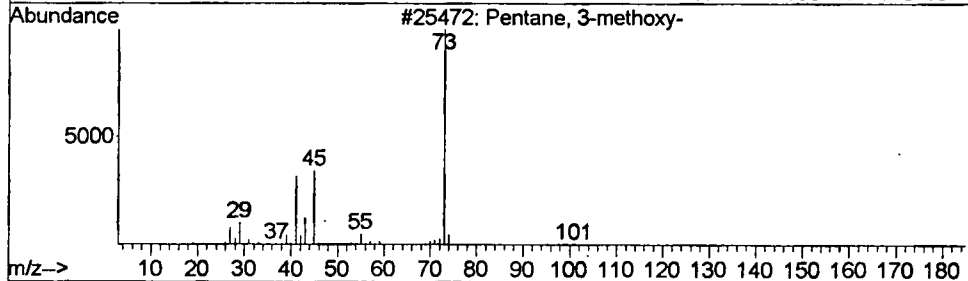
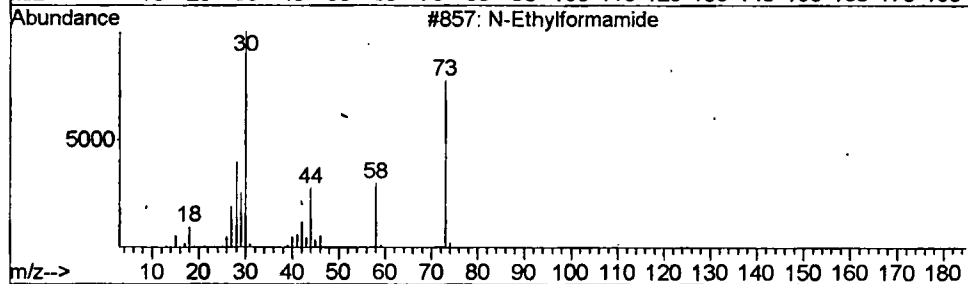
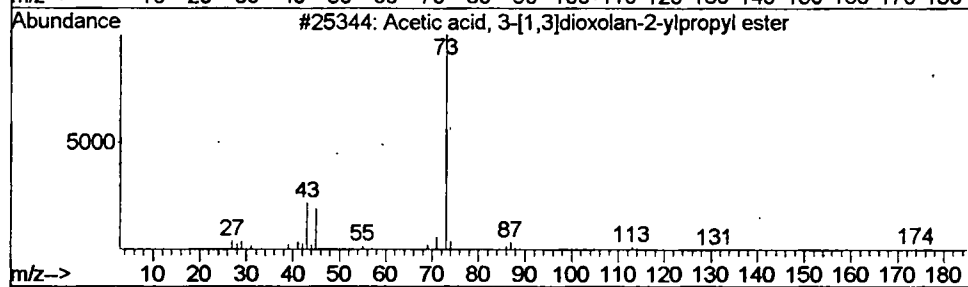
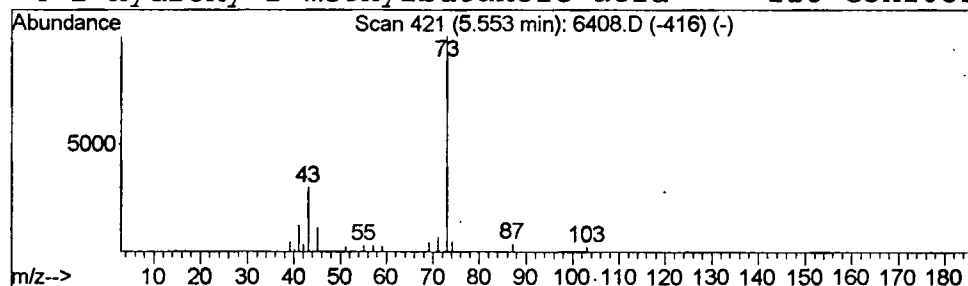
Vial: 12
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.1

Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	1.75 ug/l	1343470	1,4-Dichlorobenzene-d4	10.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	36
2			N-Ethylformamide	73	C3H7NO	000627-45-2	9
3			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4			2-Hydroxy-2-methylbutanoic acid	118	C5H10O3	1000196-27-1	9



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020409\6408.D
 Acq On : 10 Apr 2002 1:24 am
 Sample : 3/18
 Misc :
 MS Integration Params: LSCINT.e

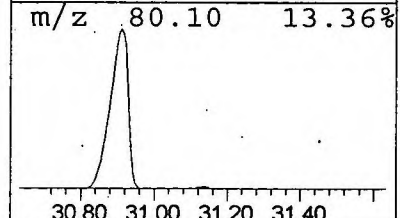
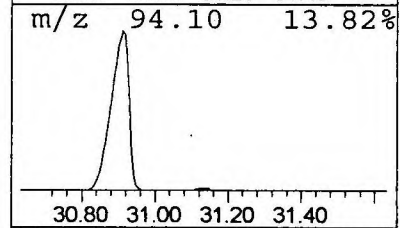
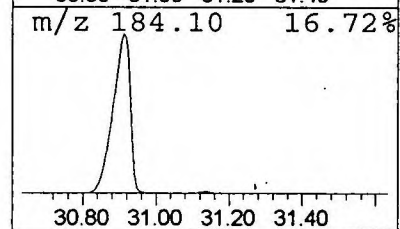
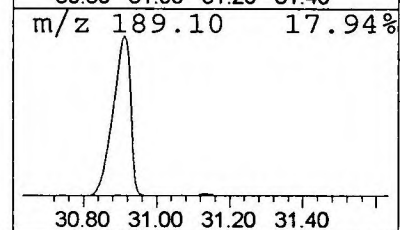
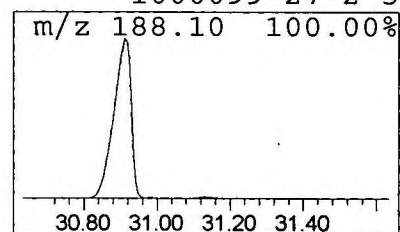
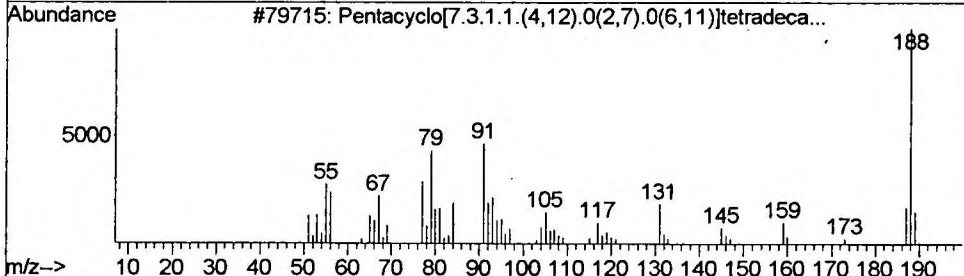
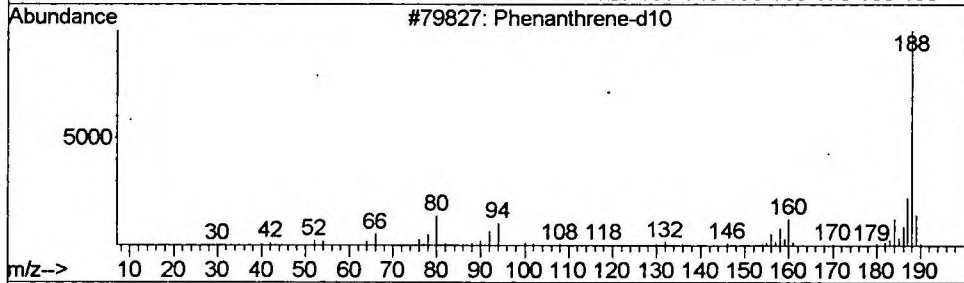
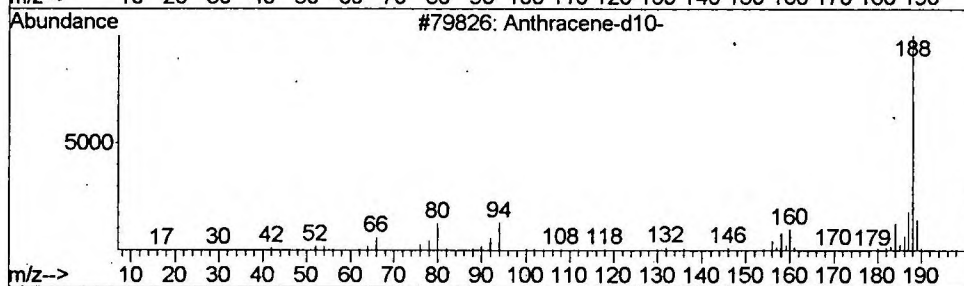
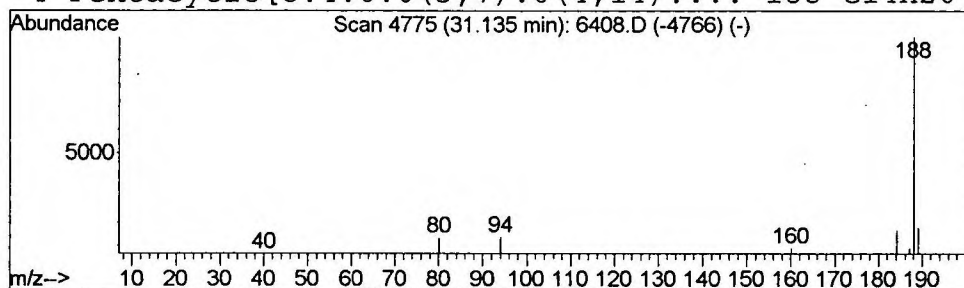
Vial: 12
 Operator: McLean
 Inst : Instrumen
 Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
 Title : Method 508 GC/MS Scan
 Library : C:\DATABASE\nist98.1

 Peak Number 4 Anthracene-d10- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.14	0.22 ug/l	273761	Phenanthrene-d10	30.91

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene-d10-	188	C14D10	001719-06-8	90
2		Phenanthrene-d10	188	C14D10	001517-22-2	74
3		Pentacyclo[7.3.1.1.(4,12).0(2,7)...]	188	C14H20	1000215-61-8	72
4		Pentacyclo[8.4.0.0(3,7).0(4,14)...]	188	C14H20	1000099-27-2	50



Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 10 Apr 2002 1:24 am
Data File: C:\MSDCHEM\1\DATA\020409\6408.D
Name: 3/18
Misc:
Method: C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.1

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Acetonitrile, dic...	3.32	0.5	ug/l	362168	1	10.67	30658200	40.0
Hydrogen azide	3.43	0.3	ug/l	212092	1	10.67	30658200	40.0
Acetic acid, 3-[1...	5.55	1.8	ug/l	1343470	1	10.67	30658200	40.0
Anthracene-d10-	31.14	0.2	ug/l	273761	4	30.91	49931400	40.0
✓ Phenanthrene-d10								



ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM WESTCHESTER COUNTY LABORATORIES AND RESEARCH

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



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: 9/30/02 3/11/02

Collected By: O. SACKETT Agency Code:

Collected From:

Location's/Individual's Name O. 8118

Street

City/St/Zip

Identification of Source

Collection Point 15370

Bottle #'s: 3354 3353 3368 3366 1652

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#: 11408

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: 57

- ☐ Acidity
- ☐ Alkalinity
- ☐ Bromide
- ☐ Bromate/Chlorate/Chlorite
- ☐ Chloride
- ☐ Cyanide
- ☐ Fluoride
- ☐ Hardness, Total as CaCO₃
- ☐ 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 CaCO₃
- ☒ Calcium, Ca²⁺
- ☒ 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-volatiles
- ☐ Pesticides/PCB's

TCLP

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