Table XX
Summary of Groundwater Sample Analysis Data 2008
TCL- VOCs Analysis

Former Brown Manufacturing Site, Syracuse, New York

Parameter	Groundwater Standard	MW-1	MW-2	MW-3	MW-4	MW-4 Dupe
Dichlorodifluoromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1 U
Chloromethane	N/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	N/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroflluromethane	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Acetone	50	< 10.0 U	< 10.0 U	**4.20** J	**7.41** J	**3.76** J
Carbon Disulfide	50	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl acetate	N/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Methylene Chloride	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
trans-1,2-Dichloroethene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Methyl tert-butyl ether	N/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,2-Dichloroethene	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2-Butanone	50	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Chloroform	7	< 0.5 U	**4.98** J	< 0.5 U	< 0.5 U	< 0.5 U
1,1,1-Trichloroethane	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Cyclohexane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Carbon Tetrachloride	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Benzene	1	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloroethane	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Trichloroethene	5	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ	< 0.5 UJ
Methylcyclohexane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichloropropane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromodichloromethane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
cis-1,3-Dichloropropene	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
4-Methyl-2-Pentanone	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Toluene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
trans-1,3-Dichloropropene	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2-Trichloroethane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Tetrachloroethene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2-Hexanone	N/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Dibromochloromethane	50	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Ethylbenzene	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Xylenes (total)	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Bromoform	N/L	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
Isopropylbenzene	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,1,2,2-Tetrachloroethane	5	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,3-Dichlorobenzene	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,4-Dichlorobenzene	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dichlorobenzene	3	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromoethane	N/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
1,2-Dibromo-3-chloropropane	0.04	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
1,2,4-Trichlorobenzene	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Total TICS		ND	ND	ND	ND	ND

Notes:

1. Results expressed in micrograms per liter (µg/L) = parts per billion (ppb).
2. Groundwater Standard Source: NYSDEC TOGS 1.1.1 Class GA.
3. N/L = Parameter Not Listed in NYSDEC TOGS 1.1.1 Class GA.
4. Results in BOLD type indicate detected concentrations of parameter analyzed.
5. SHADING indicates results above the Groundwater Standard.
6. Samples were collected on October 14, 2008.

Table XX
Summary of Groundwater Sample Analytical Data 2008
TCL SVOCs Analysis

Former Brown Manufacturing Site, Syracuse, New York

Parameter	Groundwater Standard	MW-1	MW-2	MW-3	MW-4	MW-4 Dupe
1,1'-Biphenyl	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4,5-Trichlorophenol	1	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
2,4,6-Trichlorophenol	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dichlorophenol	1	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dinitrophenol	5	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
2,4-Dinitrotoluene	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2,6-Dinitrotoluene	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Chloronaphthalene	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Chlorophenol	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylphenol	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Nitroaniline	5	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
2-Nitrophenol	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
3,3'-Dichlorobenzidine	N/S	< 20 U	< 20 U	< 20 UJ	< 20 UJ	< 21 UJ
3-Nitroaniline	5	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
4,6-Dinitro-2-methylphenol	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Bromophenylphenylether	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chloro-3-methylphenol	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chloroaniline	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chlorophenylphenylether	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Methylphenol	50	R R	R R	R R	R R	R R
4-Nitroaniline	N/L	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
4-Nitrophenol	5	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
Acenaphthene	20	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	20	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetophenone	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Atrazine	7.5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzaldehyde	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo (a) anthracene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Benzo (a) pyrene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Benzo (b) fluoranthene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Benzo (g,h,i) perylene	5	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Benzo (k) fluoranthene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
bis (2-Chloroethoxy) methane	5.000	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis (2-Chloroethyl) ether	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis (2-Chloroisopropyl)ether	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
bis (2-Ethylhexyl) phthalate	50	**1.2** J	< 10 U	**1.6** J	**1.9** J	**1.1** J
Butyl benzyl phthalate	50	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Caprolactam	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Chrysene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Di-n-butyl phthalate	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Di-n-octyl phthalate	50	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Dibenzo (a,h) anthracene	50	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Dibenzofuran	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Diethylphthalate	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Dimethyl phalate	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Fluoranthene	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Fluorene	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorobenzene	0.35	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorobutadiene	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorocyclopentadiene	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachloroethane	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Indeno (1,2,3-cd) pyrene	0.002	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Isophorone	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
n-Nitrosodi-n-propylamine	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
n-Nitrosodiphenylamine	N/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Naphthalene	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Nitrobenzene	5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Pentachlorophenol	1	< 50 U	< 50 U	< 50 U	< 50 U	< 52 U
Phenanthrene	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Phenol	1	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Pyrene	50	< 10 U	< 10 U	< 10 UJ	< 10 UJ	< 10 UJ
Total TICs		ND	ND	2	5	ND

Notes:

1. Results expressed in micrograms per liter (µg/L) = parts per billion (ppb).
2. Groundwater Standard Source: NYSDEC TOGS 1.1.1 Class GA.
3. N/L = Parameter Not Listed in NYSDEC TOGS 1.1.1.
5. Results in BOLD type indicate detected concentrations of parameter analyzed.
6. SHADING indicates results above the RSCO.
7. A value of R denotes unusable data as per the Data Usability Summary Report
6. Samples were collected on October 14, 2008.

Table XX
Summary of Groundwater Sample Analytical Data 2008
Metals and PCB Analyses

Former Brown Manufacturing Site, Syracuse, New York

Parameter	Groundwater Standard	MW-1		MW-2		MW-3		MW-4		MW-4 Dupe	
Aluminum	100	**64**	J	**2900**	J	**310**	J	**760**	J	**1800**	J
Antimony	3	< 60	U	< 60	U	**2.6**	J	< 60	U	< 60	U
Arsenic	25	< 10	U	< 10	U	**30**		**11**		**9.4**	J
Barium	1000	**330**		**260**		**260**		**330**		**360**	
Beryllium	11	< 10	U	< 10	U	< 10	U	< 10	U	< 10	U
Cadmium	5	< 10	U	< 10	U	< 10	U	< 10	U	< 10	U
Calcium	N/L	**210**		**110000**		**300000**		**250000**		**250000**	
Chromium	50	**2.2**	J	**6.6**	J	**2.1**	J	**3.4**	J	**5.8**	J
Cobalt	5	< 50	U	< 50	U	< 50	U	< 50	U	< 50	U
Copper	200	< 10	UJ	**8**	J	**6**	J	**7.8**	J	**3.8**	J
Iron	300	**1800**		**4400**		**31000**		**12000**		**13000**	
Lead	25	< 10	U	< 10	U	< 10	U	< 10	U	< 10	U
Magnesium	35000	**33000**		**24000**		**27000**		**33000**		**34000**	
Manganese	300	**550**		**130**		**650**		**380**		**410**	
Nickel	100	**2.3**	J	**6.3**	J	**4.7**	J	**3.8**	J	**4.4**	J
Potassium	N/L	**7300**	J	**6100**	J	**9900**	J	**12000**	J	**13000**	J
Selenium	10	< 10	UJ	**8.9**	J	**2.7**	J	**5**	J	**6.2**	J
Silver	50	< 10	U	< 10	U	< 10	U	< 10	U	< 10	U
Sodium	20000	**790000**		**1100000**		**14000**		**34000**		**36000**	
Thallium	8	< 20	U	< 20	U	< 20	U	< 20	U	< 20	U
Vanadium	14	< 50	UJ	**5.6**	J	< **1.4**	J	**2.6**	J	**5**	J
Zinc	N/S	**13**	J	**36**	J	**84**	J	**33**	J	**260**	J
Mercury	0.7	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U	< 0.2	U

Notes:

1. Results expressed in micrograms per liter (µg/L) = parts per billion (ppb).
2. Groundwater Standard Source: NYSDEC TOGS 1.1.1 Class GA.
3. N/L = Parameter Not Listed in NYSDEC TOGS 1.1.1.
4. Results in BOLD type indicate detected concentrations of parameter analyzed.
5. SHADING indicates results above the Groundwater Standard.
6. A value of R denotes unusable data as per the Data Usability Summary Report
7. Samples were collected on October 14, 2008.

Parameter	Groundwater Standard	MW-1	MW-2	MW-3	MW-4		MW-4 Dupe
PCB Aroclor 1016	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1221	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1232	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1242	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1248	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1254	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
PCB Aroclor 1260	0.1	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521
	PCB Total:	< 0.521	< 0.51	< 0.521	< 0.521	UJ	< 0.521

Notes:

1. Results expressed in micrograms per liter (µg/L) = parts per billion (ppb).
2. Groundwater Standard Source: NYSDEC TOGS 1.1.1 Class GA.
3. Results in BOLD type indicate detected concentrations of parameter analyzed.
4. SHADING indicates results above the Groundwater Standard.
5. Samples were collected on October 14, 2008.

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Wednesday, November 05, 2008

Richard McKenna
Beardsley Design Associates
431 E. Fayette Street
Syracuse, NY 13202

TEL: 315-472-6980

Project: BROWN MFG BROWNSFIELD, NY
RE: Analytical Result Order No.: 0810110

Dear Richard McKenna:

Life Science Laboratories, Inc. received 6 sample(s) on 10/14/2008 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Sample Data Summary Package

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
MW-1	0810110-001	SAMP	SW8260B	SW8270C		SW8082	SW7470A SW6010B	
MW-2	0810110-002	MS	SW8260B	SW8270C		SW8082	SW6010B SW7470A	
MW-2	0810110-002	MSD	SW8260B	SW8270C		SW8082	SW6010B SW7470A	
MW-2	0810110-002	SAMP	SW8260B	SW8270C		SW8082	SW7470A SW6010B	
MW-3	0810110-003	SAMP	SW8260B	SW8270C		SW8082	SW7470A SW6010B	
MW-4	0810110-004	SAMP	SW8260B	SW8270C		SW8082	SW7470A SW6010B	
MW-4FD	0810110-005	SAMP	SW8260B	SW8270C		SW8082	SW7470A SW6010B	
Trip Blank	0810110-006	SAMP	SW8260B					

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
0810110-001A	Water	10/14/08	10/14/08		10/22/08
0810110-002A	Water	10/14/08	10/14/08		10/22/08
0810110-002AMS	Water	10/14/08	10/14/08		10/22/08
0810110-002AMSD	Water	10/14/08	10/14/08		10/22/08
0810110-003A	Water	10/14/08	10/14/08		10/22/08
0810110-004A	Water	10/14/08	10/14/08		10/22/08
0810110-005A	Water	10/14/08	10/14/08		10/22/08
0810110-006A	Water Q	10/14/08	10/14/08		10/22/08

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
0810110-001A	Water	SW8260B	NONE	NONE	1X
0810110-002A	Water	SW8260B	NONE	NONE	1X
0810110-002AMS	Water	SW8260B	NONE	NONE	1X
0810110-002AMSD	Water	SW8260B	NONE	NONE	1X
0810110-003A	Water	SW8260B	NONE	NONE	1X
0810110-004A	Water	SW8260B	NONE	NONE	1X
0810110-005A	Water	SW8260B	NONE	NONE	1X
0810110-006A	Water Q	SW8260B	NONE	NONE	1X

SW8270C

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY

SEMIVOLATILE (BNA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
0810110-001B	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-002B	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-002BMS	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-002BMSD	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-003B	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-003BDL	Water	10/14/08	10/14/08	10/15/08	10/20/08
0810110-004B	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-004BDL	Water	10/14/08	10/14/08	10/15/08	10/20/08
0810110-005B	Water	10/14/08	10/14/08	10/15/08	10/17/08
0810110-005BDL	Water	10/14/08	10/14/08	10/15/08	10/20/08

SW8270C

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
0810110-001B	Water	SW8270C	SW3520C	NONE	1X
0810110-002B	Water	SW8270C	SW3520C	NONE	1X
0810110-002BMS	Water	SW8270C	SW3520C	NONE	1X
0810110-002BMSD	Water	SW8270C	SW3520C	NONE	1X
0810110-003B	Water	SW8270C	SW3520C	NONE	1X
0810110-003BDL	Water	SW8270C	SW3520C	NONE	10X
0810110-004B	Water	SW8270C	SW3520C	NONE	1X
0810110-004BDL	Water	SW8270C	SW3520C	NONE	10X
0810110-005B	Water	SW8270C	SW3520C	NONE	1X
0810110-005BDL	Water	SW8270C	SW3520C	NONE	10X

SW8082

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY

GC SEMI-VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
0810110-001B	Water	10/14/08	10/14/08	10/15/08	10/21/08
0810110-002B	Water	10/14/08	10/14/08	10/15/08	10/21/08
0810110-003B	Water	10/14/08	10/14/08	10/15/08	10/21/08
0810110-004B	Water	10/14/08	10/14/08	10/15/08	10/21/08
0810110-005B	Water	10/14/08	10/14/08	10/15/08	10/21/08

SW8082

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY

GC SEMI-VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
0810110-001B	Water	SW8082	SW3520C	Acid wash	1X
0810110-002B	Water	SW8082	SW3520C	Acid wash	1X
0810110-003B	Water	SW8082	SW3520C	Acid wash	1X
0810110-004B	Water	SW8082	SW3520C	Acid wash	1X
0810110-005B	Water	SW8082	SW3520C	Acid wash	1X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0810110-001C	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-002C	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-002CMS	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-002CMSD	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-003C	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-004C	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008
0810110-005C	Water	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/14/2008	10/23/2008	10/24/2008

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0810110-001C	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-002C	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-002CMS	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-002CMSD	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-003C	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-004C	Water	Hg	10/14/2008	10/16/2008	10/17/2008
0810110-005C	Water	Hg	10/14/2008	10/16/2008	10/17/2008

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from the Beardsley project located in Brownsfield, NY. New York State Department of Environmental Conservation forms are included in the Sample Data Summary Package.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. Temperatures of the iced coolers were 12.4°C and 13.2°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
GC/MS Volatile Organics	8260B	1
GC/MS Semivolatile Organics	8270C	1
PCBs	8082	1
ICP Metals	SW6010B	1
Mercury	SW7470A/SW7471A	1

1) New York State Department of Environmental Conservation Analytical Services Protocol, June 2000.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Category B order of data requirements.

Total # of pages in report_____

GC/MS Volatile Organics Case Narrative

Client:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 10/28/08

Supervisor/Reviewed by (Initials/Date): 10/31/08

QA/QC Review (Initials/Date): 10/31/08

File Name: G:\Narratives\MSVoa\0810110msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column (MS01 & MS03), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and Restek Rtx-VMS, 60 m x 0.25mm ID capillary column (MS04), and a Vocarb 3000 adsorbent trap.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-15252	Trichlorofluoromethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

MS/MSD/MSB
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
MW-2	0810110-002AMS/MSD	Trichlorofluoromethane	X		1

1 The recovery for this compound in the associated MSB was within acceptance limits. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

GC/MS Volatile Organics Case Narrative - Page 2

Client:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	8260B

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-Volatile Organics Case Narrative

Client ID:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	8270C

Analyzed/Reviewed by (Initials/Date): MD 10/29/08

Supervisor/Reviewed by (Initials/Date): 10-29-08

QA/QC Review (Initials/Date): 10/31/08

File Name: G:\Narratives\MSSemi\0810110svnar.doc

GC/MS Semi-Volatile Organics
The GC/MS Semi-volatile instruments used a J & W DB-5MS, 30 m x 0.25 mm ID capillary column.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
MW-2	0810110-002MS	Hexachlorocyclopentadiene	X		1
MW-2MS/MSD	0810110-002BMS/MSD	3,3'-Dichlorobenzidine		X	1

1 The recovery for this compound in the associated LCS and MSB was within acceptance limits. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
The internal standard area for the following sample(s) did not meet abundance criteria:

Sample Description	Sample #	Internal Standard	Corrective Action
MW-3	0810110-003B	Chrysene-d12	1
		Perylene-d12	1
MW-4	0810110-004B	Chrysene-d12	1
		Perylene-d12	1
MW-4FD	0810110-005B	Chrysene-d12	1
		Perylene-d12	1

Client ID:	BEARSDSLEY
Project/Order:	Brown Mfg
Work Order#:	0810110
Methodology:	8270C

1 The recovery met acceptance criteria when reanalyzed at a higher dilution. Matrix interference is suspected. Both sets of data are reported. No further corrective action was taken.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Due to the shape of the peak, the library search program did not detect elemental sulfur present in all the sample chromatograms. A manual scan was performed for sample MW-1[0810110-001B] and included in the raw TIC data.

GC Semi-Volatile Organics Case Narrative

Client:	Beardsley
Project/Order:	Brown Mfg. Brownsfield, NY
Work Order. #:	0810110
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): SLS. 10/25/08

Supervisor/Reviewed by (Initials/Date): CW 11-5-08

QA/QC Review (Initials/Date): JK 10/31/08

File Name: G:\Narratives\GCSemi\0810110pcb.doc

PCBs

There were no excursions to note. All QC results were within established control limits.

Trace Metals Case Narrative

Client ID:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	ICP metals – SW6010B

Analyzed/Reviewed by (Date/Initials): 10-28-08 MT

Supervisor/Reviewed by (Date/Initials): 10-28-08 MT

QA/QC Review (Date/Initials): 10/31/08 SK

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
The following analyte did not meet matrix spike/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
MW-2	0810110-002C	Na	X		1

1. The concentration of the analyte in the sample was much greater than the concentration of the spike added. A post-digestion spike was performed as required. No further corrective action was taken.

ICP Serial Dilution
The following analyte did not meet ICP serial dilution recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
MW-2	0810110-002C	K	1

1. A post digestion spike was performed as required. No further corrective action was taken.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

I:\Metals_narrative\Metals narrative_Beardsley_icp.doc

Trace Metals Case Narrative

Client ID:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	Mercury – SW7470A

Analyzed/Reviewed by (Date/Initials): 10-28-08 mt

Supervisor/Reviewed by (Date/Initials): 10-28-08 mt

QA/QC Review (Date/Initials): 10/31/08

Trace Metals

There were no excursions to note. All QC results were within established control limits.

Life Science Laboratories, Inc.

Date: *05-Nov-08*

CLIENT: Beardsley Design Associates
Project: Brown Mfg Brownsfield, NY
Lab Order: 0810110

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0810110-001A	MW-1		10/14/2008	10/14/2008
0810110-001B	MW-1		10/14/2008	10/14/2008
0810110-001C	MW-1		10/14/2008	10/14/2008
0810110-002A	MW-2		10/14/2008	10/14/2008
0810110-002B	MW-2		10/14/2008	10/14/2008
0810110-002C	MW-2		10/14/2008	10/14/2008
0810110-003A	MW-3		10/14/2008	10/14/2008
0810110-003B	MW-3		10/14/2008	10/14/2008
0810110-003C	MW-3		10/14/2008	10/14/2008
0810110-004A	MW-4		10/14/2008	10/14/2008
0810110-004B	MW-4		10/14/2008	10/14/2008
0810110-004C	MW-4		10/14/2008	10/14/2008
0810110-005A	MW-4FD		10/14/2008	10/14/2008
0810110-005B	MW-4FD		10/14/2008	10/14/2008
0810110-005C	MW-4FD		10/14/2008	10/14/2008
0810110-006A	Trip Blank		10/14/2008	10/14/2008

Lab Order: 0810110
Client: Beardsley Design Associates
Project: Brown Mfg Brownsfield, NY

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0810110-001A	MW-1	10/14/2008 2:00:00 PM	Water	Volatile Organic Compounds by GC/MS			10/22/2008
0810110-001B				Polychlorinated Biphenyls in Water by GC/ECD		10/15/2008	10/21/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/17/2008
0810110-001C				Mercury		10/16/2008	10/17/2008
				Total Metals by ICP		10/23/2008	10/24/2008
0810110-002A	MW-2	10/14/2008 2:30:00 PM		Volatile Organic Compounds by GC/MS			10/22/2008
0810110-002B				Polychlorinated Biphenyls in Water by GC/ECD		10/15/2008	10/21/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/17/2008
0810110-002C				Mercury		10/16/2008	10/17/2008
				Total Metals by ICP		10/23/2008	10/24/2008
0810110-003A	MW-3	10/14/2008 2:45:00 PM		Volatile Organic Compounds by GC/MS			10/22/2008
0810110-003B				Polychlorinated Biphenyls in Water by GC/ECD		10/15/2008	10/21/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/17/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/20/2008
0810110-003C				Mercury		10/16/2008	10/17/2008
				Total Metals by ICP		10/23/2008	10/24/2008
0810110-004A	MW-4	10/14/2008 2:15:00 PM		Volatile Organic Compounds by GC/MS			10/22/2008
0810110-004B				Polychlorinated Biphenyls in Water by GC/ECD		10/15/2008	10/21/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/17/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/20/2008
0810110-004C				Mercury		10/16/2008	10/17/2008
				Total Metals by ICP		10/23/2008	10/24/2008
0810110-005A	MW-4FD	10/14/2008 3:15:00 PM		Volatile Organic Compounds by GC/MS			10/22/2008
0810110-005B				Polychlorinated Biphenyls in Water by GC/ECD		10/15/2008	10/21/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/17/2008
				Semivolatile Organic Compounds by GC/MS		10/15/2008	10/20/2008

Lab Order: 0810110
Client: Beardsley Design Associates
Project: Brown Mfg Brownsfield, NY

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0810110-005C	MW-4FD	10/14/2008 3:15:00 PM	Water	Mercury		10/16/2008	10/17/2008
				Total Metals by ICP		10/23/2008	10/24/2008
0810110-006A	Trip Blank	10/14/2008 2:00:00 PM	Water Q	Volatile Organic Compounds by GC/MS			10/22/2008

Analytical Results

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7481.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 17:18
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 17:18
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 17:18
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 17:18
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 17:18
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 17:18
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 17:18
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 17:18
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 17:18
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 17:18
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 17:18

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7481.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 17:18
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 17:18
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 17:18
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Surr: 1,2-Dichloroethane-d4	119		75-134	0.10	%REC	1	10/22/08 17:18
Surr: Toluene-d8	97.1		75-125	0.10	%REC	1	10/22/08 17:18
Surr: 4-Bromofluorobenzene	103		75-125	0.10	%REC	1	10/22/08 17:18

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-001A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7481.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7476.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 14:29
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 14:29
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 14:29
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 14:29
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 14:29
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 14:29
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 14:29
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 14:29
Chloroform	4.98		0.50	0.10	µg/L	1	10/22/08 14:29
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 14:29
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 14:29

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/23/08 9:32 398860 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7476.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 14:29
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 14:29
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 14:29
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Surr: 1,2-Dichloroethane-d4	119		75-134	0.10	%REC	1	10/22/08 14:29
Surr: Toluene-d8	96.9		75-125	0.10	%REC	1	10/22/08 14:29
Surr: 4-Bromofluorobenzene	105		75-125	0.10	%REC	1	10/22/08 14:29

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-002A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7476.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7477.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 15:03
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 15:03
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 15:03
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Acetone	4.20	J	10.0	2.50	µg/L	1	10/22/08 15:03
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 15:03
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 15:03
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 15:03
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 15:03
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 15:03
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 15:03
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:03

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7477.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 15:03
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 15:03
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 15:03
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Surr: 1,2-Dichloroethane-d4	112		75-134	0.10	%REC	1	10/22/08 15:03
Surr: Toluene-d8	97.9		75-125	0.10	%REC	1	10/22/08 15:03
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	10/22/08 15:03

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-3

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-003A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7477.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7478.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 15:36
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 15:36
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 15:36
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Acetone	7.41	J	10.0	2.50	µg/L	1	10/22/08 15:36
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 15:36
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 15:36
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 15:36
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 15:36
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 15:36
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 15:36
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7478.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 15:36
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 15:36
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 15:36
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Surr: 1,2-Dichloroethane-d4	116		75-134	0.10	%REC	1	10/22/08 15:36
Surr: Toluene-d8	96.1		75-125	0.10	%REC	1	10/22/08 15:36
Surr: 4-Bromofluorobenzene	106		75-125	0.10	%REC	1	10/22/08 15:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-004A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7478.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7479.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 16:10
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 16:10
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 16:10
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Acetone	3.76	J	10.0	2.50	µg/L	1	10/22/08 16:10
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 16:10
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 16:10
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 16:10
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 16:10
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 16:10
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 16:10
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:10

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- P Prim./Conf. column %D or RPD exceeds limit
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7479.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 16:10
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 16:10
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 16:10
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Surr: 1,2-Dichloroethane-d4	113		75-134	0.10	%REC	1	10/22/08 16:10
Surr: Toluene-d8	94.5		75-125	0.10	%REC	1	10/22/08 16:10
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	10/22/08 16:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4FD

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-005A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7479.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-006A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***Trip Blank***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER Q	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7480.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 16:44
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 16:44
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 16:44
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 16:44
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 16:44
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 16:44
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 16:44
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 16:44
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 16:44
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 16:44
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:44

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-006A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***Trip Blank***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER Q	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7480.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 16:44
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 16:44
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 16:44
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Surr: 1,2-Dichloroethane-d4	114		75-134	0.10	%REC	1	10/22/08 16:44
Surr: Toluene-d8	101		75-125	0.10	%REC	1	10/22/08 16:44
Surr: 4-Bromofluorobenzene	104		75-125	0.10	%REC	1	10/22/08 16:44

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-006A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7480.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1´-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 16:33
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 16:33
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 16:33
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 16:33
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 16:33
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 16:33
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 16:33
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 16:33
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 16:33
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 16:33
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 16:33
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 16:33
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 16:33
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 16:33
3,3´-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 16:33
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 16:33
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 16:33
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 16:33
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 16:33
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 16:33
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 16:33
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 16:33
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 16:33
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 16:33
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 16:33
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 16:33
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 16:33
Anthracene	ND		10	0.14	µg/L	1	10/17/08 16:33
Atrazine	ND		10	1.2	µg/L	1	10/17/08 16:33
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 16:33
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 16:33
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 16:33
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 16:33
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 16:33
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 16:33
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 16:33
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 16:33
bis(2-Ethylhexyl)phthalate	1.2	J	10	0.45	µg/L	1	10/17/08 16:33
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 16:33
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 16:33
Carbazole	ND		10	0.13	µg/L	1	10/17/08 16:33
Chrysene	ND		10	0.080	µg/L	1	10/17/08 16:33
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 16:33
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 16:33
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 16:33
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 16:33
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 16:33
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 16:33
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 16:33
Fluorene	ND		10	0.11	µg/L	1	10/17/08 16:33
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 16:33
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 16:33
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 16:33
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 16:33
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 16:33
Isophorone	ND		10	0.12	µg/L	1	10/17/08 16:33
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 16:33
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 16:33
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 16:33
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 16:33
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 16:33
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 16:33
Phenol	ND		10	0.090	µg/L	1	10/17/08 16:33
Pyrene	ND		10	0.070	µg/L	1	10/17/08 16:33
Surr: 2,4,6-Tribromophenol	96.0		46-149	0	%REC	1	10/17/08 16:33
Surr: 2-Fluorobiphenyl	70.0		42-130	0	%REC	1	10/17/08 16:33
Surr: 2-Fluorophenol	79.3		26-130	0	%REC	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/20/08 10:22 397634 **Project Supervisor:** Monika Santucci

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	79.2		42-130	0	%REC	1	10/17/08 16:33
Surr: Phenol-d5	81.3		21-134	0	%REC	1	10/17/08 16:33
Surr: Terphenyl-d14	84.6		24-147	0	%REC	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0029.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1´-Biphenyl	ND		10	0.39	µg/L	1	10/17/08 17:11
2,4,5-Trichlorophenol	ND		52	0.14	µg/L	1	10/17/08 17:11
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 17:11
2,4-Dichlorophenol	ND		10	0.082	µg/L	1	10/17/08 17:11
2,4-Dimethylphenol	ND		10	2.1	µg/L	1	10/17/08 17:11
2,4-Dinitrophenol	ND		52	10	µg/L	1	10/17/08 17:11
2,4-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 17:11
2,6-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 17:11
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 17:11
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 17:11
2-Methylnaphthalene	ND		10	0.052	µg/L	1	10/17/08 17:11
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 17:11
2-Nitroaniline	ND		52	0.41	µg/L	1	10/17/08 17:11
2-Nitrophenol	ND		10	0.072	µg/L	1	10/17/08 17:11
3,3´-Dichlorobenzidine	ND		21	1.2	µg/L	1	10/17/08 17:11
3-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 17:11
4,6-Dinitro-2-methylphenol	ND		10	2.1	µg/L	1	10/17/08 17:11
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 17:11
4-Chloro-3-methylphenol	ND		10	0.082	µg/L	1	10/17/08 17:11
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 17:11
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 17:11
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 17:11
4-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 17:11
4-Nitrophenol	ND		52	2.1	µg/L	1	10/17/08 17:11
Acenaphthene	ND		10	0.082	µg/L	1	10/17/08 17:11
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 17:11
Acetophenone	ND		10	0.38	µg/L	1	10/17/08 17:11
Anthracene	ND		10	0.14	µg/L	1	10/17/08 17:11
Atrazine	ND		10	1.2	µg/L	1	10/17/08 17:11
Benzaldehyde	ND		10	0.38	µg/L	1	10/17/08 17:11
Benzo[a]anthracene	ND		10	0.082	µg/L	1	10/17/08 17:11
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 17:11
Benzo[b]fluoranthene	ND		10	0.52	µg/L	1	10/17/08 17:11
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.34	µg/L	1	10/17/08 17:11
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 17:11
bis(2-chloroethyl)ether	ND		10	0.041	µg/L	1	10/17/08 17:11
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 17:11
bis(2-Ethylhexyl)phthalate	ND		10	0.46	µg/L	1	10/17/08 17:11
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 17:11
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 17:11
Carbazole	ND		10	0.13	µg/L	1	10/17/08 17:11
Chrysene	ND		10	0.082	µg/L	1	10/17/08 17:11
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 17:11
Di-n-octyl phthalate	ND		10	0.19	µg/L	1	10/17/08 17:11
Dibenz[a,h]anthracene	ND		10	0.093	µg/L	1	10/17/08 17:11
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 17:11
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 17:11
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 17:11
Fluoranthene	ND		10	0.062	µg/L	1	10/17/08 17:11
Fluorene	ND		10	0.11	µg/L	1	10/17/08 17:11
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 17:11
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 17:11
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 17:11
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 17:11
Indeno[1,2,3-cd]pyrene	ND		10	0.093	µg/L	1	10/17/08 17:11
Isophorone	ND		10	0.12	µg/L	1	10/17/08 17:11
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 17:11
N-Nitrosodiphenylamine	ND		10	0.082	µg/L	1	10/17/08 17:11
Naphthalene	ND		10	0.062	µg/L	1	10/17/08 17:11
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 17:11
Pentachlorophenol	ND		52	5.2	µg/L	1	10/17/08 17:11
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 17:11
Phenol	ND		10	0.093	µg/L	1	10/17/08 17:11
Pyrene	ND		10	0.072	µg/L	1	10/17/08 17:11
Surr: 2,4,6-Tribromophenol	109		46-149	0	%REC	1	10/17/08 17:11
Surr: 2-Fluorobiphenyl	79.7		42-130	0	%REC	1	10/17/08 17:11
Surr: 2-Fluorophenol	74.9		26-130	0	%REC	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	78.5		42-130	0	%REC	1	10/17/08 17:11
Surr: Phenol-d5	75.8		21-134	0	%REC	1	10/17/08 17:11
Surr: Terphenyl-d14	100		24-147	0	%REC	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-002B

Sample wt/vol: 970 (g/mL) mL Lab File ID: N0030.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 1 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown	6.34	4.5	JB

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1´-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 19:06
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 19:06
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 19:06
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 19:06
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 19:06
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 19:06
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:06
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:06
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 19:06
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 19:06
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 19:06
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:06
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 19:06
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 19:06
3,3´-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 19:06
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:06
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 19:06
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 19:06
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 19:06
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 19:06
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 19:06
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:06
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:06
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 19:06
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 19:06
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 19:06
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 19:06
Anthracene	ND		10	0.14	µg/L	1	10/17/08 19:06
Atrazine	ND		10	1.2	µg/L	1	10/17/08 19:06
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 19:06
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 19:06
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 19:06
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 19:06
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 19:06
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 19:06
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 19:06
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 19:06
bis(2-Ethylhexyl)phthalate	1.6	J	10	0.45	µg/L	1	10/17/08 19:06
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 19:06
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 19:06
Carbazole	ND		10	0.13	µg/L	1	10/17/08 19:06
Chrysene	ND		10	0.080	µg/L	1	10/17/08 19:06
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 19:06
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 19:06
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 19:06
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 19:06
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 19:06
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 19:06
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 19:06
Fluorene	ND		10	0.11	µg/L	1	10/17/08 19:06
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 19:06
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 19:06
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 19:06
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 19:06
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 19:06
Isophorone	ND		10	0.12	µg/L	1	10/17/08 19:06
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 19:06
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 19:06
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 19:06
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 19:06
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 19:06
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 19:06
Phenol	ND		10	0.090	µg/L	1	10/17/08 19:06
Pyrene	ND		10	0.070	µg/L	1	10/17/08 19:06
Surr: 2,4,6-Tribromophenol	114		46-149	0	%REC	1	10/17/08 19:06
Surr: 2-Fluorobiphenyl	79.8		42-130	0	%REC	1	10/17/08 19:06
Surr: 2-Fluorophenol	76.2		26-130	0	%REC	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	79.1		42-130	0	%REC	1	10/17/08 19:06
Surr: Phenol-d5	75.7		21-134	0	%REC	1	10/17/08 19:06
Surr: Terphenyl-d14	115		24-147	0	%REC	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-3

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0033.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 2 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (12.56)	12.56	4.9	J
2.		unknown (13.37)	13.37	4.2	J

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.8	µg/L	10	10/20/08 13:33
2,4,5-Trichlorophenol	ND		500	1.4	µg/L	10	10/20/08 13:33
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 13:33
2,4-Dichlorophenol	ND		100	0.80	µg/L	10	10/20/08 13:33
2,4-Dimethylphenol	ND		100	20	µg/L	10	10/20/08 13:33
2,4-Dinitrophenol	ND		500	100	µg/L	10	10/20/08 13:33
2,4-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 13:33
2,6-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 13:33
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 13:33
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 13:33
2-Methylnaphthalene	ND		100	0.50	µg/L	10	10/20/08 13:33
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 13:33
2-Nitroaniline	ND		500	4.0	µg/L	10	10/20/08 13:33
2-Nitrophenol	ND		100	0.70	µg/L	10	10/20/08 13:33
3,3'-Dichlorobenzidine	ND		200	12	µg/L	10	10/20/08 13:33
3-Nitroaniline	ND		500	12	µg/L	10	10/20/08 13:33
4,6-Dinitro-2-methylphenol	ND		100	20	µg/L	10	10/20/08 13:33
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 13:33
4-Chloro-3-methylphenol	ND		100	0.80	µg/L	10	10/20/08 13:33
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 13:33
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 13:33
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 13:33
4-Nitroaniline	ND		500	12	µg/L	10	10/20/08 13:33
4-Nitrophenol	ND		500	20	µg/L	10	10/20/08 13:33
Acenaphthene	ND		100	0.80	µg/L	10	10/20/08 13:33
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 13:33
Acetophenone	ND		100	3.7	µg/L	10	10/20/08 13:33
Anthracene	ND		100	1.4	µg/L	10	10/20/08 13:33
Atrazine	ND		100	12	µg/L	10	10/20/08 13:33
Benzaldehyde	ND		100	3.7	µg/L	10	10/20/08 13:33
Benzo[a]anthracene	ND		100	0.80	µg/L	10	10/20/08 13:33
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 13:33
Benzo[b]fluoranthene	ND		100	5.0	µg/L	10	10/20/08 13:33
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.3	µg/L	10	10/20/08 13:33
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 13:33
bis(2-chloroethyl)ether	ND		100	0.40	µg/L	10	10/20/08 13:33
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 13:33
bis(2-Ethylhexyl)phthalate	ND		100	4.5	µg/L	10	10/20/08 13:33
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 13:33
Caprolactam	ND		100	12	µg/L	10	10/20/08 13:33
Carbazole	ND		100	1.3	µg/L	10	10/20/08 13:33
Chrysene	ND		100	0.80	µg/L	10	10/20/08 13:33
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 13:33
Di-n-octyl phthalate	ND		100	1.8	µg/L	10	10/20/08 13:33
Dibenz[a,h]anthracene	ND		100	0.90	µg/L	10	10/20/08 13:33
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 13:33
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 13:33
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 13:33
Fluoranthene	ND		100	0.60	µg/L	10	10/20/08 13:33
Fluorene	ND		100	1.1	µg/L	10	10/20/08 13:33
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 13:33
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 13:33
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 13:33
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 13:33
Indeno[1,2,3-cd]pyrene	ND		100	0.90	µg/L	10	10/20/08 13:33
Isophorone	ND		100	1.2	µg/L	10	10/20/08 13:33
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 13:33
N-Nitrosodiphenylamine	ND		100	0.80	µg/L	10	10/20/08 13:33
Naphthalene	ND		100	0.60	µg/L	10	10/20/08 13:33
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 13:33
Pentachlorophenol	ND		500	50	µg/L	10	10/20/08 13:33
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 13:33
Phenol	ND		100	0.90	µg/L	10	10/20/08 13:33
Pyrene	ND		100	0.70	µg/L	10	10/20/08 13:33
Surr: 2,4,6-Tribromophenol	99.9		46-149	0	%REC	10	10/20/08 13:33
Surr: 2-Fluorobiphenyl	78.7		42-130	0	%REC	10	10/20/08 13:33
Surr: 2-Fluorophenol	78.9		26-130	0	%REC	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	78.3		42-130	0	%REC	10	10/20/08 13:33
Surr: Phenol-d5	81.5		21-134	0	%REC	10	10/20/08 13:33
Surr: Terphenyl-d14	92.2		24-147	0	%REC	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 19:45
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 19:45
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 19:45
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 19:45
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 19:45
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 19:45
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:45
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:45
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 19:45
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 19:45
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 19:45
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:45
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 19:45
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 19:45
3,3'-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 19:45
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:45
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 19:45
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 19:45
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 19:45
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 19:45
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 19:45
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:45
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:45
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 19:45
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 19:45
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 19:45
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 19:45
Anthracene	ND		10	0.14	µg/L	1	10/17/08 19:45
Atrazine	ND		10	1.2	µg/L	1	10/17/08 19:45
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 19:45
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 19:45
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 19:45
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 19:45
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/20/08 10:22 397639 **Project Supervisor:** Monika Santucci

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 19:45
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 19:45
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 19:45
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 19:45
bis(2-Ethylhexyl)phthalate	1.9	J	10	0.45	µg/L	1	10/17/08 19:45
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 19:45
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 19:45
Carbazole	ND		10	0.13	µg/L	1	10/17/08 19:45
Chrysene	ND		10	0.080	µg/L	1	10/17/08 19:45
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 19:45
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 19:45
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 19:45
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 19:45
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 19:45
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 19:45
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 19:45
Fluorene	ND		10	0.11	µg/L	1	10/17/08 19:45
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 19:45
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 19:45
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 19:45
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 19:45
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 19:45
Isophorone	ND		10	0.12	µg/L	1	10/17/08 19:45
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 19:45
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 19:45
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 19:45
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 19:45
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 19:45
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 19:45
Phenol	ND		10	0.090	µg/L	1	10/17/08 19:45
Pyrene	ND		10	0.070	µg/L	1	10/17/08 19:45
Surr: 2,4,6-Tribromophenol	117		46-149	0	%REC	1	10/17/08 19:45
Surr: 2-Fluorobiphenyl	85.8		42-130	0	%REC	1	10/17/08 19:45
Surr: 2-Fluorophenol	76.7		26-130	0	%REC	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	86.0		42-130	0	%REC	1	10/17/08 19:45
Surr: Phenol-d5	76.6		21-134	0	%REC	1	10/17/08 19:45
Surr: Terphenyl-d14	118		24-147	0	%REC	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0034.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 5 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (11.77)	11.77	4.2	J
2.		unknown (11.81)	11.81	4.2	J
3.		unknown (12.83)	12.83	4.8	J
4.		unknown (13.36)	13.36	4.8	J
5.		unknown (14.59)	14.59	5.3	J

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.8	µg/L	10	10/20/08 14:11
2,4,5-Trichlorophenol	ND		500	1.4	µg/L	10	10/20/08 14:11
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 14:11
2,4-Dichlorophenol	ND		100	0.80	µg/L	10	10/20/08 14:11
2,4-Dimethylphenol	ND		100	20	µg/L	10	10/20/08 14:11
2,4-Dinitrophenol	ND		500	100	µg/L	10	10/20/08 14:11
2,4-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 14:11
2,6-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 14:11
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 14:11
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 14:11
2-Methylnaphthalene	ND		100	0.50	µg/L	10	10/20/08 14:11
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:11
2-Nitroaniline	ND		500	4.0	µg/L	10	10/20/08 14:11
2-Nitrophenol	ND		100	0.70	µg/L	10	10/20/08 14:11
3,3'-Dichlorobenzidine	ND		200	12	µg/L	10	10/20/08 14:11
3-Nitroaniline	ND		500	12	µg/L	10	10/20/08 14:11
4,6-Dinitro-2-methylphenol	ND		100	20	µg/L	10	10/20/08 14:11
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 14:11
4-Chloro-3-methylphenol	ND		100	0.80	µg/L	10	10/20/08 14:11
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 14:11
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 14:11
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:11
4-Nitroaniline	ND		500	12	µg/L	10	10/20/08 14:11
4-Nitrophenol	ND		500	20	µg/L	10	10/20/08 14:11
Acenaphthene	ND		100	0.80	µg/L	10	10/20/08 14:11
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 14:11
Acetophenone	ND		100	3.7	µg/L	10	10/20/08 14:11
Anthracene	ND		100	1.4	µg/L	10	10/20/08 14:11
Atrazine	ND		100	12	µg/L	10	10/20/08 14:11
Benzaldehyde	ND		100	3.7	µg/L	10	10/20/08 14:11
Benzo[a]anthracene	ND		100	0.80	µg/L	10	10/20/08 14:11
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 14:11
Benzo[b]fluoranthene	ND		100	5.0	µg/L	10	10/20/08 14:11
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.3	µg/L	10	10/20/08 14:11
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 14:11
bis(2-chloroethyl)ether	ND		100	0.40	µg/L	10	10/20/08 14:11
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 14:11
bis(2-Ethylhexyl)phthalate	ND		100	4.5	µg/L	10	10/20/08 14:11
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 14:11
Caprolactam	ND		100	12	µg/L	10	10/20/08 14:11
Carbazole	ND		100	1.3	µg/L	10	10/20/08 14:11
Chrysene	ND		100	0.80	µg/L	10	10/20/08 14:11
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 14:11
Di-n-octyl phthalate	ND		100	1.8	µg/L	10	10/20/08 14:11
Dibenz[a,h]anthracene	ND		100	0.90	µg/L	10	10/20/08 14:11
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 14:11
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 14:11
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 14:11
Fluoranthene	ND		100	0.60	µg/L	10	10/20/08 14:11
Fluorene	ND		100	1.1	µg/L	10	10/20/08 14:11
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 14:11
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 14:11
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 14:11
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 14:11
Indeno[1,2,3-cd]pyrene	ND		100	0.90	µg/L	10	10/20/08 14:11
Isophorone	ND		100	1.2	µg/L	10	10/20/08 14:11
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 14:11
N-Nitrosodiphenylamine	ND		100	0.80	µg/L	10	10/20/08 14:11
Naphthalene	ND		100	0.60	µg/L	10	10/20/08 14:11
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 14:11
Pentachlorophenol	ND		500	50	µg/L	10	10/20/08 14:11
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 14:11
Phenol	ND		100	0.90	µg/L	10	10/20/08 14:11
Pyrene	ND		100	0.70	µg/L	10	10/20/08 14:11
Surr: 2,4,6-Tribromophenol	113		46-149	0	%REC	10	10/20/08 14:11
Surr: 2-Fluorobiphenyl	87.6		42-130	0	%REC	10	10/20/08 14:11
Surr: 2-Fluorophenol	79.3		26-130	0	%REC	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/21/08 13:02 398179 **Project Supervisor:** Monika Santucci

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	84.2		42-130	0	%REC	10	10/20/08 14:11
Surr: Phenol-d5	84.1		21-134	0	%REC	10	10/20/08 14:11
Surr: Terphenyl-d14	96.0		24-147	0	%REC	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		10	0.39	µg/L	1	10/17/08 20:23
2,4,5-Trichlorophenol	ND		52	0.14	µg/L	1	10/17/08 20:23
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 20:23
2,4-Dichlorophenol	ND		10	0.082	µg/L	1	10/17/08 20:23
2,4-Dimethylphenol	ND		10	2.1	µg/L	1	10/17/08 20:23
2,4-Dinitrophenol	ND		52	10	µg/L	1	10/17/08 20:23
2,4-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 20:23
2,6-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 20:23
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 20:23
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 20:23
2-Methylnaphthalene	ND		10	0.052	µg/L	1	10/17/08 20:23
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 20:23
2-Nitroaniline	ND		52	0.41	µg/L	1	10/17/08 20:23
2-Nitrophenol	ND		10	0.072	µg/L	1	10/17/08 20:23
3,3'-Dichlorobenzidine	ND		21	1.2	µg/L	1	10/17/08 20:23
3-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 20:23
4,6-Dinitro-2-methylphenol	ND		10	2.1	µg/L	1	10/17/08 20:23
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 20:23
4-Chloro-3-methylphenol	ND		10	0.082	µg/L	1	10/17/08 20:23
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 20:23
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 20:23
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 20:23
4-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 20:23
4-Nitrophenol	ND		52	2.1	µg/L	1	10/17/08 20:23
Acenaphthene	ND		10	0.082	µg/L	1	10/17/08 20:23
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 20:23
Acetophenone	ND		10	0.38	µg/L	1	10/17/08 20:23
Anthracene	ND		10	0.14	µg/L	1	10/17/08 20:23
Atrazine	ND		10	1.2	µg/L	1	10/17/08 20:23
Benzaldehyde	ND		10	0.38	µg/L	1	10/17/08 20:23
Benzo[a]anthracene	ND		10	0.082	µg/L	1	10/17/08 20:23
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 20:23
Benzo[b]fluoranthene	ND		10	0.52	µg/L	1	10/17/08 20:23
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 20:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.34	µg/L	1	10/17/08 20:23
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 20:23
bis(2-chloroethyl)ether	ND		10	0.041	µg/L	1	10/17/08 20:23
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 20:23
bis(2-Ethylhexyl)phthalate	1.1	J	10	0.46	µg/L	1	10/17/08 20:23
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 20:23
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 20:23
Carbazole	ND		10	0.13	µg/L	1	10/17/08 20:23
Chrysene	ND		10	0.082	µg/L	1	10/17/08 20:23
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 20:23
Di-n-octyl phthalate	ND		10	0.19	µg/L	1	10/17/08 20:23
Dibenz[a,h]anthracene	ND		10	0.093	µg/L	1	10/17/08 20:23
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 20:23
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 20:23
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 20:23
Fluoranthene	ND		10	0.062	µg/L	1	10/17/08 20:23
Fluorene	ND		10	0.11	µg/L	1	10/17/08 20:23
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 20:23
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 20:23
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 20:23
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 20:23
Indeno[1,2,3-cd]pyrene	ND		10	0.093	µg/L	1	10/17/08 20:23
Isophorone	ND		10	0.12	µg/L	1	10/17/08 20:23
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 20:23
N-Nitrosodiphenylamine	ND		10	0.082	µg/L	1	10/17/08 20:23
Naphthalene	ND		10	0.062	µg/L	1	10/17/08 20:23
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 20:23
Pentachlorophenol	ND		52	5.2	µg/L	1	10/17/08 20:23
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 20:23
Phenol	ND		10	0.093	µg/L	1	10/17/08 20:23
Pyrene	ND		10	0.072	µg/L	1	10/17/08 20:23
Surr: 2,4,6-Tribromophenol	114		46-149	0	%REC	1	10/17/08 20:23
Surr: 2-Fluorobiphenyl	84.6		42-130	0	%REC	1	10/17/08 20:23
Surr: 2-Fluorophenol	76.7		26-130	0	%REC	1	10/17/08 20:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	82.4		42-130	0	%REC	1	10/17/08 20:23
Surr: Phenol-d5	76.2		21-134	0	%REC	1	10/17/08 20:23
Surr: Terphenyl-d14	102		24-147	0	%REC	1	10/17/08 20:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4FD

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-005B

Sample wt/vol: 970 (g/mL) mL Lab File ID: N0035.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.9	µg/L	10	10/20/08 14:49
2,4,5-Trichlorophenol	ND		520	1.4	µg/L	10	10/20/08 14:49
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 14:49
2,4-Dichlorophenol	ND		100	0.82	µg/L	10	10/20/08 14:49
2,4-Dimethylphenol	ND		100	21	µg/L	10	10/20/08 14:49
2,4-Dinitrophenol	ND		520	100	µg/L	10	10/20/08 14:49
2,4-Dinitrotoluene	ND		100	4.1	µg/L	10	10/20/08 14:49
2,6-Dinitrotoluene	ND		100	4.1	µg/L	10	10/20/08 14:49
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 14:49
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 14:49
2-Methylnaphthalene	ND		100	0.52	µg/L	10	10/20/08 14:49
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:49
2-Nitroaniline	ND		520	4.1	µg/L	10	10/20/08 14:49
2-Nitrophenol	ND		100	0.72	µg/L	10	10/20/08 14:49
3,3'-Dichlorobenzidine	ND		210	12	µg/L	10	10/20/08 14:49
3-Nitroaniline	ND		520	12	µg/L	10	10/20/08 14:49
4,6-Dinitro-2-methylphenol	ND		100	21	µg/L	10	10/20/08 14:49
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 14:49
4-Chloro-3-methylphenol	ND		100	0.82	µg/L	10	10/20/08 14:49
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 14:49
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 14:49
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:49
4-Nitroaniline	ND		520	12	µg/L	10	10/20/08 14:49
4-Nitrophenol	ND		520	21	µg/L	10	10/20/08 14:49
Acenaphthene	ND		100	0.82	µg/L	10	10/20/08 14:49
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 14:49
Acetophenone	ND		100	3.8	µg/L	10	10/20/08 14:49
Anthracene	ND		100	1.4	µg/L	10	10/20/08 14:49
Atrazine	ND		100	12	µg/L	10	10/20/08 14:49
Benzaldehyde	ND		100	3.8	µg/L	10	10/20/08 14:49
Benzo[a]anthracene	ND		100	0.82	µg/L	10	10/20/08 14:49
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 14:49
Benzo[b]fluoranthene	ND		100	5.2	µg/L	10	10/20/08 14:49
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.4	µg/L	10	10/20/08 14:49
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 14:49
bis(2-chloroethyl)ether	ND		100	0.41	µg/L	10	10/20/08 14:49
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 14:49
bis(2-Ethylhexyl)phthalate	ND		100	4.6	µg/L	10	10/20/08 14:49
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 14:49
Caprolactam	ND		100	12	µg/L	10	10/20/08 14:49
Carbazole	ND		100	1.3	µg/L	10	10/20/08 14:49
Chrysene	ND		100	0.82	µg/L	10	10/20/08 14:49
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 14:49
Di-n-octyl phthalate	ND		100	1.9	µg/L	10	10/20/08 14:49
Dibenz[a,h]anthracene	ND		100	0.93	µg/L	10	10/20/08 14:49
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 14:49
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 14:49
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 14:49
Fluoranthene	ND		100	0.62	µg/L	10	10/20/08 14:49
Fluorene	ND		100	1.1	µg/L	10	10/20/08 14:49
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 14:49
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 14:49
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 14:49
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 14:49
Indeno[1,2,3-cd]pyrene	ND		100	0.93	µg/L	10	10/20/08 14:49
Isophorone	ND		100	1.2	µg/L	10	10/20/08 14:49
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 14:49
N-Nitrosodiphenylamine	ND		100	0.82	µg/L	10	10/20/08 14:49
Naphthalene	ND		100	0.62	µg/L	10	10/20/08 14:49
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 14:49
Pentachlorophenol	ND		520	52	µg/L	10	10/20/08 14:49
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 14:49
Phenol	ND		100	0.93	µg/L	10	10/20/08 14:49
Pyrene	ND		100	0.72	µg/L	10	10/20/08 14:49
Surr: 2,4,6-Tribromophenol	105		46-149	0	%REC	10	10/20/08 14:49
Surr: 2-Fluorobiphenyl	83.9		42-130	0	%REC	10	10/20/08 14:49
Surr: 2-Fluorophenol	80.4		26-130	0	%REC	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Dctected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/21/08 13:02 398180 **Project Supervisor:** Monika Santucci

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5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	80.7		42-130	0	%REC	10	10/20/08 14:49
Surr: Phenol-d5	81.3		21-134	0	%REC	10	10/20/08 14:49
Surr: Terphenyl-d14	84.0		24-147	0	%REC	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102028.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 1:34
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 1:34
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 1:34
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 1:34
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 1:34
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 1:34
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 1:34
Surr: Tetrachloro-m-xylene	92.5		36-131	0	%REC	1	10/21/08 1:34
Surr: Decachlorobiphenyl	67.2		25-142	0	%REC	1	10/21/08 1:34

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 980 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102029.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.510	0.015	µg/L	1	10/21/08 2:06
Aroclor 1221	ND		0.510	0.112	µg/L	1	10/21/08 2:06
Aroclor 1232	ND		0.510	0.063	µg/L	1	10/21/08 2:06
Aroclor 1242	ND		0.510	0.084	µg/L	1	10/21/08 2:06
Aroclor 1248	ND		0.510	0.131	µg/L	1	10/21/08 2:06
Aroclor 1254	ND		0.510	0.142	µg/L	1	10/21/08 2:06
Aroclor 1260	ND		0.510	0.017	µg/L	1	10/21/08 2:06
Surr: Tetrachloro-m-xylene	89.5		36-131	0	%REC	1	10/21/08 2:06
Surr: Decachlorobiphenyl	48.0		25-142	0	%REC	1	10/21/08 2:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102032.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 3:43
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 3:43
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 3:43
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 3:43
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 3:43
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 3:43
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 3:43
Surr: Tetrachloro-m-xylene	77.2		36-131	0	%REC	1	10/21/08 3:43
Surr: Decachlorobiphenyl	25.5		25-142	0	%REC	1	10/21/08 3:43

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102033.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 4:15
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 4:15
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 4:15
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 4:15
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 4:15
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 4:15
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 4:15
Surr: Tetrachloro-m-xylene	88.3		36-131	0	%REC	1	10/21/08 4:15
Surr: Decachlorobiphenyl	29.8		25-142	0	%REC	1	10/21/08 4:15

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/28/08 14:40 398119 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102034.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 4:48
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 4:48
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 4:48
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 4:48
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 4:48
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 4:48
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 4:48
Surr: Tetrachloro-m-xylene	76.8		36-131	0	%REC	1	10/21/08 4:48
Surr: Decachlorobiphenyl	38.5		25-142	0	%REC	1	10/21/08 4:48

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93446
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.064	J	0.10	0.040	mg/L	1	10/24/08 15:43
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 15:43
Arsenic	ND		0.010	0.0040	mg/L	1	10/24/08 15:43
Barium	0.33		0.10	0.00054	mg/L	1	10/24/08 15:43
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 15:43
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 15:43
Calcium	210		1.0	0.040	mg/L	1	10/24/08 15:43
Chromium	0.0022	J	0.010	0.0014	mg/L	1	10/24/08 15:43
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 15:43
Copper	ND		0.010	0.0019	mg/L	1	10/24/08 15:43
Iron	1.8		0.050	0.0050	mg/L	1	10/24/08 15:43
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 15:43
Magnesium	33		1.0	0.040	mg/L	1	10/24/08 15:43
Manganese	0.55		0.050	0.0015	mg/L	1	10/24/08 15:43
Nickel	0.0023	J	0.050	0.0011	mg/L	1	10/24/08 15:43
Potassium	7.3		5.0	0.068	mg/L	1	10/24/08 15:43
Selenium	ND		0.010	0.0026	mg/L	1	10/24/08 15:43
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 15:43
Sodium	790		1.0	0.040	mg/L	1	10/24/08 15:43
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 15:43
Vanadium	ND		0.050	0.00066	mg/L	1	10/24/08 15:43
Zinc	0.013	J	0.020	0.0040	mg/L	1	10/24/08 15:43

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93447
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	2.9		0.10	0.040	mg/L	1	10/24/08 15:47
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 15:47
Arsenic	ND		0.010	0.0040	mg/L	1	10/24/08 15:47
Barium	0.26		0.10	0.00054	mg/L	1	10/24/08 15:47
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 15:47
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 15:47
Calcium	110		1.0	0.040	mg/L	1	10/24/08 15:47
Chromium	0.0066	J	0.010	0.0014	mg/L	1	10/24/08 15:47
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 15:47
Copper	0.0080	J	0.010	0.0019	mg/L	1	10/24/08 15:47
Iron	4.4		0.050	0.0050	mg/L	1	10/24/08 15:47
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 15:47
Magnesium	24		1.0	0.040	mg/L	1	10/24/08 15:47
Manganese	0.13		0.050	0.0015	mg/L	1	10/24/08 15:47
Nickel	0.0063	J	0.050	0.0011	mg/L	1	10/24/08 15:47
Potassium	6.1		5.0	0.068	mg/L	1	10/24/08 15:47
Selenium	0.0089	J	0.010	0.0026	mg/L	1	10/24/08 15:47
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 15:47
Sodium	1100		1.0	0.040	mg/L	1	10/24/08 15:47
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 15:47
Vanadium	0.0056	J	0.050	0.00066	mg/L	1	10/24/08 15:47
Zinc	0.036		0.020	0.0040	mg/L	1	10/24/08 15:47

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93452
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.31		0.10	0.040	mg/L	1	10/24/08 16:04
Antimony	0.0026	J	0.060	0.0015	mg/L	1	10/24/08 16:04
Arsenic	0.030		0.010	0.0040	mg/L	1	10/24/08 16:04
Barium	0.26		0.10	0.00054	mg/L	1	10/24/08 16:04
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:04
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:04
Calcium	300		1.0	0.040	mg/L	1	10/24/08 16:04
Chromium	0.0021	J	0.010	0.0014	mg/L	1	10/24/08 16:04
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:04
Copper	0.0060	J	0.010	0.0019	mg/L	1	10/24/08 16:04
Iron	31		0.050	0.0050	mg/L	1	10/24/08 16:04
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:04
Magnesium	27		1.0	0.040	mg/L	1	10/24/08 16:04
Manganese	0.65		0.050	0.0015	mg/L	1	10/24/08 16:04
Nickel	0.0047	J	0.050	0.0011	mg/L	1	10/24/08 16:04
Potassium	9.9		5.0	0.068	mg/L	1	10/24/08 16:04
Selenium	0.0027	J	0.010	0.0026	mg/L	1	10/24/08 16:04
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:04
Sodium	14		1.0	0.040	mg/L	1	10/24/08 16:04
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:04
Vanadium	0.0014	J	0.050	0.00066	mg/L	1	10/24/08 16:04
Zinc	0.084		0.020	0.0040	mg/L	1	10/24/08 16:04

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93453
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.76		0.10	0.040	mg/L	1	10/24/08 16:08
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 16:08
Arsenic	0.011		0.010	0.0040	mg/L	1	10/24/08 16:08
Barium	0.33		0.10	0.00054	mg/L	1	10/24/08 16:08
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:08
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:08
Calcium	250		1.0	0.040	mg/L	1	10/24/08 16:08
Chromium	0.0034	J	0.010	0.0014	mg/L	1	10/24/08 16:08
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:08
Copper	0.0078	J	0.010	0.0019	mg/L	1	10/24/08 16:08
Iron	12		0.050	0.0050	mg/L	1	10/24/08 16:08
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:08
Magnesium	33		1.0	0.040	mg/L	1	10/24/08 16:08
Manganese	0.38		0.050	0.0015	mg/L	1	10/24/08 16:08
Nickel	0.0038	J	0.050	0.0011	mg/L	1	10/24/08 16:08
Potassium	12		5.0	0.068	mg/L	1	10/24/08 16:08
Selenium	0.0050	J	0.010	0.0026	mg/L	1	10/24/08 16:08
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:08
Sodium	34		1.0	0.040	mg/L	1	10/24/08 16:08
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:08
Vanadium	0.0026	J	0.050	0.00066	mg/L	1	10/24/08 16:08
Zinc	0.033		0.020	0.0040	mg/L	1	10/24/08 16:08

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93454
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	1.8		0.10	0.040	mg/L	1	10/24/08 16:11
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 16:11
Arsenic	0.0094	J	0.010	0.0040	mg/L	1	10/24/08 16:11
Barium	0.36		0.10	0.00054	mg/L	1	10/24/08 16:11
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:11
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:11
Calcium	250		1.0	0.040	mg/L	1	10/24/08 16:11
Chromium	0.0058	J	0.010	0.0014	mg/L	1	10/24/08 16:11
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:11
Copper	0.0038	J	0.010	0.0019	mg/L	1	10/24/08 16:11
Iron	13		0.050	0.0050	mg/L	1	10/24/08 16:11
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:11
Magnesium	34		1.0	0.040	mg/L	1	10/24/08 16:11
Manganese	0.41		0.050	0.0015	mg/L	1	10/24/08 16:11
Nickel	0.0044	J	0.050	0.0011	mg/L	1	10/24/08 16:11
Potassium	13		5.0	0.068	mg/L	1	10/24/08 16:11
Selenium	0.0062	J	0.010	0.0026	mg/L	1	10/24/08 16:11
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:11
Sodium	36		1.0	0.040	mg/L	1	10/24/08 16:11
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:11
Vanadium	0.0050	J	0.050	0.00066	mg/L	1	10/24/08 16:11
Zinc	0.026		0.020	0.0040	mg/L	1	10/24/08 16:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:51

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:54

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:56

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:58

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 13:00

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quality Control Results

GC/MS Volatile Organics Data

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

	EPA SAMPLE NO.	LSL ID	SMC1 (DCE) 1 #	SMC2 (TOL) 1 #	SMC3 (BFB) 1 #				TOT OUT
01	MSB-15252	MSB-15252	108	91	95				0
02	LCS-15252	LCS-15252	110	95	98				0
03	MB-15252	MB-15252	119	99	108				0
04	MW-2	0810110-002A	119	97	105				0
05	MW-3	0810110-003A	112	98	108				0
06	MW-4	0810110-004A	116	96	106				0
07	MW-4FD	0810110-005A	113	94	108				0
08	Trip Blank	0810110-006A	114	101	104				0
09	MW-1	0810110-001A	119	97	103				0
10	MW-2MS	0810110-002AMS	114	90	100				0
11	MW-2MSD	0810110-002AMSD	109	93	101				0

	QC Limit
SMC 1 (DCE) 1 = 1,2-Dichloroethane-d4	75-134
SMC 2 (TOL) 1 = Toluene-d8	75-125
SMC 3 (BFB) 1 = 4-Bromofluorobenzene	75-125

Column to be used to flag recovery values

* Values outside of contract required QC limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002AMS**	SampType: **MS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398866**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.92	1.00	10	0	89	68	134				
Chloromethane	10.6	1.00	10	0	106	58	135				
Vinyl chloride	10.2	1.00	10	0	102	70	130				
Bromomethane	10.1	1.00	10	0	101	29	156				
Chloroethane	11.2	1.00	10	0	112	70	130				
Trichlorofluoromethane	13.4	1.00	10	0	134	70	131				S
1,1-Dichloroethene	8.70	0.500	10	0	87	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.4	10.0	20	0	82	25	150				
Carbon disulfide	10.6	0.500	10	0	106	66	130				
Methyl acetate	7.79	5.00	10	0	78	63	132				
Methylene chloride	9.83	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.56	0.500	10	0	96	70	130				
Methyl tert-butyl ether	9.00	1.00	10	0	90	70	130				
1,1-Dichloroethane	10.5	0.500	10	0	105	70	130				
cis-1,2-Dichloroethene	9.70	0.500	10	0	97	48	151				
2-Butanone	18.2	10.0	20	0	91	25	150				
Chloroform	15.8	0.500	10	4.98	108	70	130				
1,1,1-Trichloroethane	10.2	0.500	10	0	102	70	130				
Cyclohexane	10.4	0.500	10	0	104	70	130				
Carbon tetrachloride	9.16	0.500	10	0	92	70	140				
Benzene	9.98	0.500	10	0	100	70	132				
1,2-Dichloroethane	10.8	0.500	10	0	108	70	130				
Trichloroethene	9.91	0.500	10	0	99	42	167				
Methylcyclohexane	9.92	0.500	10	0	99	62	130				
1,2-Dichloropropane	10.4	0.500	10	0	104	70	130				
Bromodichloromethane	10.6	0.500	10	0	106	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMS**	SampType: **MS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398866**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.39	0.500	10	0	94	70	130				
4-Methyl-2-pentanone	17.5	5.00	20	0	87	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.70	0.500	10	0	97	58	132				
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133				
Tetrachloroethene	8.41	0.500	10	0	84	70	130				
2-Hexanone	14.9	5.00	20	0	74	25	155				
Dibromochloromethane	7.28	0.500	10	0	73	70	130				
1,2-Dibromoethane	8.76	0.500	10	0	88	70	130				
Chlorobenzene	9.18	0.500	10	0	92	69	130				
Ethylbenzene	9.08	0.500	10	0	91	70	130				
Xylenes (total)	26.0	1.00	30	0	87	65	132				
Styrene	8.71	0.500	10	0	87	57	133				
Bromoform	8.32	1.00	10	0	83	70	130				
Isopropylbenzene	9.55	0.500	10	0	96	70	130				
1,1,2,2-Tetrachloroethane	11.6	0.500	10	0	116	68	136				
1,3-Dichlorobenzene	9.63	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.93	0.500	10	0	99	70	130				
1,2-Dichlorobenzene	9.81	0.500	10	0	98	70	130				
1,2-Dibromo-3-chloropropane	8.31	5.00	10	0	83	55	149				
1,2,4-Trichlorobenzene	7.69	1.00	10	0	77	68	130				
Surr: 1,2-Dichloroethane-d4	11.4	0.100	10	0	114	75	134				
Surr: Toluene-d8	9.05	0.100	10	0	90	75	125				
Surr: 4-Bromofluorobenzene	10.0	0.100	10	0	100	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002AMSD**	SampType: **MSD**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398867**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.64	1.00	10	0	96	68	134	8.92	7.8	20	
Chloromethane	10.8	1.00	10	0	108	58	135	10.6	2.2	20	
Vinyl chloride	10.6	1.00	10	0	106	70	130	10.2	3.5	20	
Bromomethane	10.4	1.00	10	0	104	29	156	10.1	2.8	24	
Chloroethane	11.1	1.00	10	0	111	70	130	11.2	0.7	20	
Trichlorofluoromethane	13.5	1.00	10	0	135	70	131	13.4	0.8	20	S
1,1-Dichloroethene	9.17	0.500	10	0	92	70	135	8.7	5.3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	11.2	0.500	10	0	112	70	130	11	1.3	20	
Acetone	16.4	10.0	20	0	82	25	150	16.4	0.2	50	
Carbon disulfide	10.6	0.500	10	0	106	66	130	10.6	0.1	20	
Methyl acetate	7.76	5.00	10	0	78	63	132	7.79	0.4	20	
Methylene chloride	9.72	2.00	10	0	97	70	130	9.83	1.1	20	
trans-1,2-Dichloroethene	9.65	0.500	10	0	97	70	130	9.56	0.9	20	
Methyl tert-butyl ether	9.03	1.00	10	0	90	70	130	9	0.3	20	
1,1-Dichloroethane	10.4	0.500	10	0	104	70	130	10.5	1.3	20	
cis-1,2-Dichloroethene	9.77	0.500	10	0	98	48	151	9.7	0.7	20	
2-Butanone	19.4	10.0	20	0	97	25	150	18.2	6.1	50	
Chloroform	15.7	0.500	10	4.98	108	70	130	15.8	0.3	20	
1,1,1-Trichloroethane	10.6	0.500	10	0	106	70	130	10.2	3.8	20	
Cyclohexane	10.4	0.500	10	0	104	70	130	10.4	0.7	20	
Carbon tetrachloride	9.78	0.500	10	0	98	70	140	9.16	6.5	20	
Benzene	10.2	0.500	10	0	102	70	132	9.98	2.1	20	
1,2-Dichloroethane	10.9	0.500	10	0	109	70	130	10.8	1.5	20	
Trichloroethene	10.1	0.500	10	0	101	42	167	9.91	2.1	20	
Methylcyclohexane	9.82	0.500	10	0	98	62	130	9.92	1.0	20	
1,2-Dichloropropane	10.5	0.500	10	0	105	70	130	10.4	0.8	20	
Bromodichloromethane	10.9	0.500	10	0	109	70	130	10.6	3.4	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002AMSD**	SampType: **MSD**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398867**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.63	0.500	10	0	96	70	130	9.39	2.5	20	
4-Methyl-2-pentanone	18.4	5.00	20	0	92	44	150	17.5	5.0	50	
Toluene	9.94	0.500	10	0	99	70	130	10	0.9	20	
trans-1,3-Dichloropropene	9.72	0.500	10	0	97	58	132	9.7	0.2	25	
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133	10.6	0.7	20	
Tetrachloroethene	8.49	0.500	10	0	85	70	130	8.41	0.9	20	
2-Hexanone	15.9	5.00	20	0	80	25	155	14.9	6.7	50	
Dibromochloromethane	7.71	0.500	10	0	77	70	130	7.28	5.7	20	
1,2-Dibromoethane	9.03	0.500	10	0	90	70	130	8.76	3.0	20	
Chlorobenzene	9.44	0.500	10	0	94	69	130	9.18	2.8	20	
Ethylbenzene	9.26	0.500	10	0	93	70	130	9.08	2.0	20	
Xylenes (total)	26.7	1.00	30	0	89	65	132	26	2.7	20	
Styrene	8.99	0.500	10	0	90	57	133	8.71	3.2	20	
Bromoform	9.08	1.00	10	0	91	70	130	8.32	8.7	20	
Isopropylbenzene	9.86	0.500	10	0	99	70	130	9.55	3.2	20	
1,1,2,2-Tetrachloroethane	11.5	0.500	10	0	115	68	136	11.6	1.0	20	
1,3-Dichlorobenzene	9.97	0.500	10	0	100	70	130	9.63	3.5	20	
1,4-Dichlorobenzene	9.71	0.500	10	0	97	70	130	9.93	2.2	20	
1,2-Dichlorobenzene	9.90	0.500	10	0	99	70	130	9.81	0.9	20	
1,2-Dibromo-3-chloropropane	8.99	5.00	10	0	90	55	149	8.31	7.9	20	
1,2,4-Trichlorobenzene	7.80	1.00	10	0	78	68	130	7.69	1.4	20	
Surr: 1,2-Dichloroethane-d4	10.9	0.100	10	0	109	75	134	0		0	
Surr: Toluene-d8	9.31	0.100	10	0	93	75	125	0		0	
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-15252**	SampType: **MSB**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398857**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.88	1.00	10	0	89	68	134				
Chloromethane	9.64	1.00	10	0	96	58	135				
Vinyl chloride	9.45	1.00	10	0	94	70	130				
Bromomethane	9.35	1.00	10	0	94	29	156				
Chloroethane	10.4	1.00	10	0	104	70	130				
Trichlorofluoromethane	12.8	1.00	10	0	128	70	131				
1,1-Dichloroethene	8.78	0.500	10	0	88	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.9	10.0	20	0	84	25	150				
Carbon disulfide	10.2	0.500	10	0	102	66	130				
Methyl acetate	7.53	5.00	10	0	75	63	132				
Methylene chloride	9.75	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.62	0.500	10	0	96	70	130				
Methyl tert-butyl ether	8.35	1.00	10	0	84	70	130				
1,1-Dichloroethane	9.90	0.500	10	0	99	70	130				
cis-1,2-Dichloroethene	9.53	0.500	10	0	95	48	151				
2-Butanone	19.7	10.0	20	0	98	25	150				
Chloroform	10.7	0.500	10	0	107	70	130				
1,1,1-Trichloroethane	9.77	0.500	10	0	98	70	130				
Cyclohexane	10.3	0.500	10	0	103	70	130				
Carbon tetrachloride	8.48	0.500	10	0	85	70	140				
Benzene	10.1	0.500	10	0	101	70	132				
1,2-Dichloroethane	10.7	0.500	10	0	107	70	130				
Trichloroethene	9.85	0.500	10	0	98	42	167				
Methylcyclohexane	10.4	0.500	10	0	104	62	130				
1,2-Dichloropropane	10.2	0.500	10	0	102	70	130				
Bromodichloromethane	9.70	0.500	10	0	97	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-15252**	SampType: **MSB**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398857**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.3	0.500	10	0	103	70	130				
4-Methyl-2-pentanone	17.7	5.00	20	0	89	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.20	0.500	10	0	92	58	132				
1,1,2-Trichloroethane	10.1	0.500	10	0	101	68	133				
Tetrachloroethene	8.61	0.500	10	0	86	70	130				
2-Hexanone	15.1	5.00	20	0	76	25	155				
Dibromochloromethane	7.21	0.500	10	0	72	70	130				
1,2-Dibromoethane	8.31	0.500	10	0	83	70	130				
Chlorobenzene	9.13	0.500	10	0	91	69	130				
Ethylbenzene	9.13	0.500	10	0	91	70	130				
Xylenes (total)	26.2	1.00	30	0	87	65	132				
Styrene	8.80	0.500	10	0	88	57	133				
Bromoform	7.96	1.00	10	0	80	70	130				
Isopropylbenzene	9.51	0.500	10	0	95	70	130				
1,1,2,2-Tetrachloroethane	10.4	0.500	10	0	104	68	136				
1,3-Dichlorobenzene	9.60	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.84	0.500	10	0	98	70	130				
1,2-Dichlorobenzene	9.52	0.500	10	0	95	70	130				
1,2-Dibromo-3-chloropropane	7.75	5.00	10	0	78	55	149				
1,2,4-Trichlorobenzene	7.26	1.00	10	0	73	68	130				
Surr: 1,2-Dichloroethane-d4	10.8	0.100	10	0	108	75	134				
Surr: Toluene-d8	9.12	0.100	10	0	91	75	125				
Surr: 4-Bromofluorobenzene	9.51	0.100	10	0	95	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-15252**	SampType: **LCS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398858**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.96	1.00	10	0	100	63	139				
Chloromethane	10.7	1.00	10	0	107	59	133				
Vinyl chloride	10.5	1.00	10	0	105	75	125				
Bromomethane	10.2	1.00	10	0	103	42	156				
Chloroethane	11.7	1.00	10	0	117	75	124				
Trichlorofluoromethane	13.6	1.00	10	0	136	73	132				S
1,1-Dichloroethene	8.81	0.500	10	0	88	77	126				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.3	0.500	10	0	113	80	120				
Acetone	19.3	10.0	20	0	96	37	163				
Carbon disulfide	10.6	0.500	10	0	106	76	122				
Methyl acetate	7.09	5.00	10	0	71	67	136				
Methylene chloride	9.69	2.00	10	0	97	78	120				
trans-1,2-Dichloroethene	9.35	0.500	10	0	94	80	120				
Methyl tert-butyl ether	8.98	1.00	10	0	90	76	122				
1,1-Dichloroethane	10.1	0.500	10	0	101	80	120				
cis-1,2-Dichloroethene	10.0	0.500	10	0	100	80	120				
2-Butanone	20.5	10.0	20	0	102	49	153				
Chloroform	10.7	0.500	10	0	107	80	120				
1,1,1-Trichloroethane	10.4	0.500	10	0	104	80	127				
Cyclohexane	10.6	0.500	10	0	106	78	124				
Carbon tetrachloride	9.46	0.500	10	0	95	74	137				
Benzene	10.1	0.500	10	0	101	80	120				
1,2-Dichloroethane	10.6	0.500	10	0	106	73	126				
Trichloroethene	10.1	0.500	10	0	101	80	120				
Methylcyclohexane	10.1	0.500	10	0	101	75	126				
1,2-Dichloropropane	10.2	0.500	10	0	102	80	120				
Bromodichloromethane	10.7	0.500	10	0	107	78	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-15252**	SampType: **LCS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398858**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.6	0.500	10	0	106	80	120				
4-Methyl-2-pentanone	19.3	5.00	20	0	97	50	150				
Toluene	10.0	0.500	10	0	101	80	120				
trans-1,3-Dichloropropene	9.95	0.500	10	0	100	73	121				
1,1,2-Trichloroethane	10.8	0.500	10	0	108	80	120				
Tetrachloroethene	9.01	0.500	10	0	90	80	120				
2-Hexanone	16.5	5.00	20	0	83	44	152				
Dibromochloromethane	7.97	0.500	10	0	80	75	123				
1,2-Dibromoethane	9.03	0.500	10	0	90	80	120				
Chlorobenzene	9.57	0.500	10	0	96	80	120				
Ethylbenzene	9.50	0.500	10	0	95	80	120				
Xylenes (total)	27.0	1.00	30	0	90	80	120				
Styrene	8.96	0.500	10	0	90	79	120				
Bromoform	9.46	1.00	10	0	95	72	126				
Isopropylbenzene	9.79	0.500	10	0	98	80	121				
1,1,2,2-Tetrachloroethane	10.8	0.500	10	0	108	73	122				
1,3-Dichlorobenzene	9.48	0.500	10	0	95	80	120				
1,4-Dichlorobenzene	9.72	0.500	10	0	97	80	120				
1,2-Dichlorobenzene	9.57	0.500	10	0	96	80	120				
1,2-Dibromo-3-chloropropane	8.54	5.00	10	0	85	71	124				
1,2,4-Trichlorobenzene	7.57	1.00	10	0	76	73	123				
Surr: 1,2-Dichloroethane-d4	11.0	0.100	10	0	110	75	134				
Surr: Toluene-d8	9.46	0.100	10	0	95	75	125				
Surr: 4-Bromofluorobenzene	9.78	0.100	10	0	98	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

4A

SAMPLE NO.

MB-15252

VOLATILE METHOD BLANK SUMMARY

Lab Name: Life Science Laboratorie Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: J7475.D Lab Sample ID: MB-15252

Date Analyzed: 10/22/08 Time Analyzed: 13:55

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MS03_10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB-15252	MSB-15252	J7472.D	12:14
02	LCS-15252	LCS-15252	J7473.D	12:48
03	MW-2	0810110-002A	J7476.D	14:29
04	MW-3	0810110-003A	J7477.D	15:03
05	MW-4	0810110-004A	J7478.D	15:36
06	MW-4FD	0810110-005A	J7479.D	16:10
07	Trip Blank	0810110-006A	J7480.D	16:44
08	MW-1	0810110-001A	J7481.D	17:18
09	MW-2MS	0810110-002AMS	J7482.D	17:51
10	MW-2MSD	0810110-002AMSD	J7483.D	18:25

COMMENTS: _____

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-15252**	SampType: **MBLK**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398859**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Bromomethane	ND	1.00									
Chloroethane	ND	1.00									
Trichlorofluoromethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.500									
Acetone	ND	10.0									
Carbon disulfide	ND	0.500									
Methyl acetate	ND	5.00									
Methylene chloride	0.170	2.00									J
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether	ND	1.00									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone	ND	10.0									
Chloroform	ND	0.500									
1,1,1-Trichloroethane	ND	0.500									
Cyclohexane	ND	0.500									
Carbon tetrachloride	ND	0.500									
Benzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									
Trichloroethene	ND	0.500									
Methylcyclohexane	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-15252**	SampType: **MBLK**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date:	**10/22/08**	SeqNo:	**398859**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	0.500									
4-Methyl-2-pentanone	ND	5.00									
Toluene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
Tetrachloroethene	ND	0.500									
2-Hexanone	ND	5.00									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane	ND	0.500									
Chlorobenzene	ND	0.500									
Ethylbenzene	ND	0.500									
Xylenes (total)	ND	1.00									
Styrene	ND	0.500									
Bromoform	ND	1.00									
Isopropylbenzene	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	5.00									
1,2,4-Trichlorobenzene	ND	1.00									
Surr: 1,2-Dichloroethane-d4	11.9	0.100	10	0	119	75	134				
Surr: Toluene-d8	9.89	0.100	10	0	99	75	125				
Surr: 4-Bromofluorobenzene	10.8	0.100	10	0	108	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-15252

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: MB-15252

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7475.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): J7469.D Date Analyzed: 10/22/2008

Instrument ID: MS03_10 Time Analyzed: 10:10

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	1517591	10.30	659090	15.19	389665	19.27		
UPPER LIMIT	3035182	10.80	1318180	15.69	779330	19.77		
LOWER LIMIT	758796	9.80	329545	14.69	194833	18.77		
SAMPLE NO.								
01 MSB-15252 (MSB-15252)	1421405	10.29	622092	15.18	364354	19.27		
02 LCS-15252 (LCS-15252)	1444341	10.29	615160	15.18	368150	19.27		
03 MB-15252 (MB-15252)	1349636	10.29	526610	15.19	252654	19.27		
04 MW-2 (0810110-002A)	1302366	10.30	519174	15.20	257688	19.27		
05 MW-3 (0810110-003A)	1346119	10.30	520733	15.19	254116	19.27		
06 MW-4 (0810110-004A)	1316655	10.29	531520	15.19	253074	19.27		
07 MW-4FD (0810110-005A)	1356514	10.30	537752	15.19	257614	19.27		
08 Trip Blank (0810110-006A)	1319083	10.29	510679	15.19	255334	19.26		
09 MW-1 (0810110-001A)	1341372	10.29	538256	15.19	264404	19.27		
10 MW-2MS (0810110-002AMS)	1357344	10.29	590803	15.19	333138	19.26		
11 MW-2MSD (0810110-002AMSD)	1418381	10.29	611446	15.18	353794	19.26		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

GC/MS Semivolatile Organics Data

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

	EPA SAMPLE NO.	LSL ID	S1 (2FP) 1 #	S2 (FBP) 1 #	S3 (NBZ) 1 #	S4 (PHL) 1 #	S5 (TBP) 1 #	S6 (TPH) 1 #	TOT OUT
01	MB-8267	MB-8267	84	83	86	84	94	100	0
02	LCS-8267	LCS-8267	89	84	89	91	108	99	0
03	MSB-8267	MSB-8267	88	87	89	89	109	98	0
04	MW-1	0810110-001B	79	70	79	81	96	85	0
05	MW-2	0810110-002B	75	80	78	76	109	100	0
06	MW-2MS	0810110-002BMS	77	82	80	76	119	99	0
07	MW-2MSD	0810110-002BMSD	77	86	83	76	118	88	0
08	MW-3	0810110-003B	76	80	79	76	114	115	0
09	MW-4	0810110-004B	77	86	86	77	117	118	0
10	MW-4FD	0810110-005B	77	85	82	76	114	102	0
11	MW-3DL	0810110-003BDL	79	79	78	81	100	92	0
12	MW-4DL	0810110-004BDL	79	88	84	84	113	96	0
13	MW-4FDDL	0810110-005BDL	80	84	81	81	105	84	0

		QC Limit
S1	(2FP) 1 = 2-Fluorophenol	26-130
S2	(FBP) 1 = 2-Fluorobiphenyl	42-130
S3	(NBZ) 1 = Nitrobenzene-d5	42-130
S4	(PHL) 1 = Phenol-d5	21-134
S5	(TBP) 1 = 2,4,6-Tribromophenol	46-149
S6	(TPH) 1 = Terphenyl-d14	24-147

Column to be used to flag recovery values

* Values outside of contract required QC limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	48.1	10	51.5	0	93	30	130				
2,4,5-Trichlorophenol	38.5	52	51.5	0	75	50	134				J
2,4,6-Trichlorophenol	43.5	10	51.5	0	84	50	130				
2,4-Dichlorophenol	44.8	10	51.5	0	87	50	130				
2,4-Dimethylphenol	42.3	10	51.5	0	82	39	130				
2,4-Dinitrophenol	30.3	52	51.5	0	59	45	130				J
2,4-Dinitrotoluene	48.3	10	51.5	0	94	50	130				
2,6-Dinitrotoluene	48.6	10	51.5	0	94	50	130				
2-Chloronaphthalene	40.7	10	51.5	0	79	50	130				
2-Chlorophenol	43.2	10	51.5	0	84	35	130				
2-Methylnaphthalene	35.4	10	51.5	0	69	36	130				
2-Methylphenol	35.4	10	51.5	0	69	34	138				
2-Nitroaniline	39.1	52	51.5	0	76	10	173				J
2-Nitrophenol	42.1	10	51.5	0	82	46	130				
3,3'-Dichlorobenzidine	46.8	21	51.5	0	91	10	151				
3-Nitroaniline	41.3	52	51.5	0	80	10	161				J
4,6-Dinitro-2-methylphenol	39.0	10	51.5	0	76	50	130				
4-Bromophenyl phenyl ether	47.2	10	51.5	0	92	50	130				
4-Chloro-3-methylphenol	41.7	10	51.5	0	81	48	135				
4-Chloroaniline	37.1	10	51.5	0	72	14	133				
4-Chlorophenyl phenyl ether	44.0	10	51.5	0	85	50	130				
4-Methylphenol	35.9	10	51.5	0	70	48	130				
4-Nitroaniline	41.8	52	51.5	0	81	10	175				J
4-Nitrophenol	58.9	52	51.5	0	114	50	154				
Acenaphthene	42.4	10	51.5	0	82	50	130				
Acenaphthylene	40.1	10	51.5	0	78	50	130				
Acetophenone	41.4	10	51.5	0	80	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**		

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	43.7	10	51.5	0	85	50	130				
Atrazine	34.5	10	51.5	0	67	30	130				
Benzaldehyde	40.6	10	51.5	0	79	30	130				
Benzo[a]anthracene	41.9	10	51.5	0	81	42	134				
Benzo[a]pyrene	42.8	10	51.5	0	83	36	139				
Benzo[b]fluoranthene	42.7	10	51.5	0	83	30	153				
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136				
Benzo[k]fluoranthene	49.7	10	51.5	0	96	21	166				
bis(2-Chloroethoxy)methane	39.7	10	51.5	0	77	35	130				
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153				
bis(2-chloroisopropyl)ether	40.1	10	51.5	0	78	28	130				
bis(2-Ethylhexyl)phthalate	44.9	10	51.5	0	87	49	153				
Butyl benzyl phthalate	44.9	10	51.5	0	87	28	157				
Caprolactam	49.6	10	51.5	0	96	30	130				
Carbazole	48.7	10	51.5	0	95	38	175				
Chrysene	44.8	10	51.5	0	87	43	132				
Di-n-butyl phthalate	47.5	10	51.5	0	92	37	152				
Di-n-octyl phthalate	42.4	10	51.5	0	82	50	148				
Dibenz[a,h]anthracene	31.6	10	51.5	0	61	27	149				
Dibenzofuran	35.9	10	51.5	0	70	50	130				
Diethyl phthalate	50.5	10	51.5	0	98	18	169				
Dimethyl phthalate	49.0	10	51.5	0	95	19	161				
Fluoranthene	37.8	10	51.5	0	73	50	130				
Fluorene	43.2	10	51.5	0	84	50	130				
Hexachlorobenzene	49.0	10	51.5	0	95	45	134				
Hexachlorobutadiene	31.1	10	51.5	0	60	20	130				
Hexachlorocyclopentadiene	ND	10	51.5	0	0	10	130				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.8	10	51.5	0	56	32	130				
Indeno[1,2,3-cd]pyrene	24.3	10	51.5	0	47	27	138				
Isophorone	42.6	10	51.5	0	83	49	130				
N-Nitroso-di-n-propylamine	43.5	10	51.5	0	84	30	145				
N-Nitrosodiphenylamine	47.8	10	51.5	0	93	19	157				
Naphthalene	38.8	10	51.5	0	75	33	130				
Nitrobenzene	43.3	10	51.5	0	84	38	145				
Pentachlorophenol	41.3	52	51.5	0	80	50	145				J
Phenanthrene	43.1	10	51.5	0	84	50	130				
Phenol	37.0	10	51.5	0	72	20	141				
Pyrene	41.2	10	51.5	0	80	47	133				
Surr: 2,4,6-Tribromophenol	184	0.10	155	0	119	46	149				
Surr: 2-Fluorobiphenyl	84.8	0.10	103	0	82	42	130				
Surr: 2-Fluorophenol	120	0.10	155	0	77	26	130				
Surr: Nitrobenzene-d5	82.2	0.10	103	0	80	42	130				
Surr: Phenol-d5	118	0.10	155	0	76	21	134				
Surr: Terphenyl-d14	102	0.10	103	0	99	24	147				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	49.3	10	51.5	0	96	30	130	48.1	2.3	60	
2,4,5-Trichlorophenol	38.3	52	51.5	0	74	50	134	38.5	0.5	30	J
2,4,6-Trichlorophenol	43.2	10	51.5	0	84	50	130	43.5	0.5	30	
2,4-Dichlorophenol	47.1	10	51.5	0	91	50	130	44.8	4.9	30	
2,4-Dimethylphenol	33.1	10	51.5	0	64	39	130	42.3	24	31	
2,4-Dinitrophenol	26.8	52	51.5	0	52	45	130	30.3	12	30	J
2,4-Dinitrotoluene	50.0	10	51.5	0	97	50	130	48.3	3.5	30	
2,6-Dinitrotoluene	47.3	10	51.5	0	92	50	130	48.6	2.7	30	
2-Chloronaphthalene	42.3	10	51.5	0	82	50	130	40.7	3.7	30	
2-Chlorophenol	44.0	10	51.5	0	85	35	130	43.2	1.9	60	
2-Methylnaphthalene	36.0	10	51.5	0	70	36	130	35.4	1.8	40	
2-Methylphenol	33.3	10	51.5	0	65	34	138	35.4	6.2	60	
2-Nitroaniline	38.0	52	51.5	0	74	10	173	39.1	2.8	60	J
2-Nitrophenol	43.4	10	51.5	0	84	46	130	42.1	2.8	36	
3,3'-Dichlorobenzidine	21.6	21	51.5	0	42	10	151	46.8	74	60	R
3-Nitroaniline	41.3	52	51.5	0	80	10	161	41.3	0	60	J
4,6-Dinitro-2-methylphenol	37.3	10	51.5	0	72	50	130	39	4.6	30	
4-Bromophenyl phenyl ether	49.1	10	51.5	0	95	50	130	47.2	3.9	37	
4-Chloro-3-methylphenol	42.2	10	51.5	0	82	48	135	41.7	1.2	60	
4-Chloroaniline	37.2	10	51.5	0	72	14	133	37.1	0.2	60	
4-Chlorophenyl phenyl ether	43.5	10	51.5	0	84	50	130	44	1.0	34	
4-Methylphenol	34.5	10	51.5	0	67	48	130	35.9	3.8	42	
4-Nitroaniline	41.5	52	51.5	0	81	10	175	41.8	0.7	60	J
4-Nitrophenol	61.1	52	51.5	0	119	50	154	58.9	3.7	42	
Acenaphthene	43.4	10	51.5	0	84	50	130	42.4	2.3	41	
Acenaphthylene	43.1	10	51.5	0	84	50	130	40.1	7.1	30	
Acetophenone	41.8	10	51.5	0	81	30	130	41.4	0.8	60	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	45.1	10	51.5	0	88	50	130	43.7	3.1	34	
Atrazine	47.4	10	51.5	0	92	30	130	34.5	32	60	
Benzaldehyde	42.7	10	51.5	0	83	30	130	40.6	5.1	60	
Benzo[a]anthracene	42.7	10	51.5	0	83	42	134	41.9	1.9	54	
Benzo[a]pyrene	44.6	10	51.5	0	86	36	139	42.8	4.1	58	
Benzo[b]fluoranthene	45.1	10	51.5	0	88	30	153	42.7	5.4	59	
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136	26.2	0	57	
Benzo[k]fluoranthene	50.6	10	51.5	0	98	21	166	49.7	1.8	60	
bis(2-Chloroethoxy)methane	41.1	10	51.5	0	80	35	130	39.7	3.6	60	
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153	39.4	0	60	
bis(2-chloroisopropyl)ether	38.7	10	51.5	0	75	28	130	40.1	3.7	60	
bis(2-Ethylhexyl)phthalate	48.2	10	51.5	0	94	49	153	44.9	7.2	59	
Butyl benzyl phthalate	48.4	10	51.5	0	94	28	157	44.9	7.6	46	
Caprolactam	49.9	10	51.5	0	97	30	130	49.6	0.6	60	
Carbazole	49.6	10	51.5	0	96	38	175	48.7	1.7	40	
Chrysene	46.4	10	51.5	0	90	43	132	44.8	3.6	57	
Di-n-butyl phthalate	53.9	10	51.5	0	105	37	152	47.5	13	32	
Di-n-octyl phthalate	45.8	10	51.5	0	89	50	148	42.4	7.8	58	
Dibenz[a,h]anthracene	31.4	10	51.5	0	61	27	149	31.6	0.6	52	
Dibenzofuran	37.3	10	51.5	0	72	50	130	35.9	3.8	30	
Diethyl phthalate	51.6	10	51.5	0	100	18	169	50.5	2.3	30	
Dimethyl phthalate	49.7	10	51.5	0	96	19	161	49	1.4	30	
Fluoranthene	46.0	10	51.5	0	89	50	130	37.8	20	45	
Fluorene	43.2	10	51.5	0	84	50	130	43.2	0.1	30	
Hexachlorobenzene	50.2	10	51.5	0	97	45	134	49	2.5	48	
Hexachlorobutadiene	32.9	10	51.5	0	64	20	130	31.1	5.4	60	
Hexachlorocyclopentadiene	12.8	10	51.5	0	25	10	130	0		31	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	31.2	10	51.5	0	61	32	130	28.8	7.9	60	
Indeno[1,2,3-cd]pyrene	23.9	10	51.5	0	46	27	138	24.3	1.6	52	
Isophorone	43.1	10	51.5	0	84	49	130	42.6	1.0	39	
N-Nitroso-di-n-propylamine	42.8	10	51.5	0	83	30	145	43.5	1.8	60	
N-Nitrosodiphenylamine	42.7	10	51.5	0	83	19	157	47.8	11	60	
Naphthalene	40.6	10	51.5	0	79	33	130	38.8	4.4	60	
Nitrobenzene	45.1	10	51.5	0	87	38	145	43.3	4.0	60	
Pentachlorophenol	39.2	52	51.5	0	76	50	145	41.3	5.2	30	J
Phenanthrene	46.0	10	51.5	0	89	50	130	43.1	6.7	32	
Phenol	37.2	10	51.5	0	72	20	141	37	0.5	60	
Pyrene	43.3	10	51.5	0	84	47	133	41.2	5.0	46	
Surr: 2,4,6-Tribromophenol	183	0.10	155	0	118	46	149	0		0	
Surr: 2-Fluorobiphenyl	88.3	0.10	103	0	86	42	130	0		0	
Surr: 2-Fluorophenol	119	0.10	155	0	77	26	130	0		0	
Surr: Nitrobenzene-d5	85.9	0.10	103	0	83	42	130	0		0	
Surr: Phenol-d5	117	0.10	155	0	76	21	134	0		0	
Surr: Terphenyl-d14	90.6	0.10	103	0	88	24	147	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	49.2	10	50	0	98	30	130				
2,4,5-Trichlorophenol	37.9	50	50	0	76	50	134				J
2,4,6-Trichlorophenol	43.0	10	50	0	86	50	130				
2,4-Dichlorophenol	42.6	10	50	0	85	50	130				
2,4-Dimethylphenol	38.7	10	50	0	77	39	130				
2,4-Dinitrophenol	35.2	50	50	0	70	45	130				J
2,4-Dinitrotoluene	47.2	10	50	0	94	50	130				
2,6-Dinitrotoluene	47.5	10	50	0	95	50	130				
2-Chloronaphthalene	38.6	10	50	0	77	50	130				
2-Chlorophenol	44.7	10	50	0	89	35	130				
2-Methylnaphthalene	32.2	10	50	0	64	36	130				
2-Methylphenol	38.2	10	50	0	76	34	138				
2-Nitroaniline	43.0	50	50	0	86	10	173				J
2-Nitrophenol	41.5	10	50	0	83	46	130				
3,3'-Dichlorobenzidine	25.1	20	50	0	50	10	151				
3-Nitroaniline	41.4	50	50	0	83	10	161				J
4,6-Dinitro-2-methylphenol	44.5	10	50	0	89	50	130				
4-Bromophenyl phenyl ether	42.3	10	50	0	85	50	130				
4-Chloro-3-methylphenol	42.4	10	50	0	85	48	135				
4-Chloroaniline	35.8	10	50	0	72	14	133				
4-Chlorophenyl phenyl ether	39.1	10	50	0	78	50	130				
4-Methylphenol	38.6	10	50	0	77	48	130				
4-Nitroaniline	40.8	50	50	0	82	10	175				J
4-Nitrophenol	53.1	50	50	0	106	50	154				
Acenaphthene	39.4	10	50	0	79	50	130				
Acenaphthylene	40.7	10	50	0	81	50	130				
Acetophenone	45.2	10	50	0	90	30	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**		

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	40.5	10	50	0	81	50	130				
Atrazine	48.4	10	50	0	97	30	130				
Benzaldehyde	48.4	10	50	0	97	30	130				
Benzo[a]anthracene	39.4	10	50	0	79	42	134				
Benzo[a]pyrene	41.0	10	50	0	82	36	139				
Benzo[b]fluoranthene	38.9	10	50	0	78	30	153				
Benzo[g,h,i]perylene	43.1	10	50	0	86	23	136				
Benzo[k]fluoranthene	42.6	10	50	0	85	21	166				
bis(2-Chloroethoxy)methane	44.2	10	50	0	88	35	130				
bis(2-chloroethyl)ether	45.0	10	50	0	90	18	153				
bis(2-chloroisopropyl)ether	49.9	10	50	0	100	28	130				
bis(2-Ethylhexyl)phthalate	43.9	10	50	0	88	49	153				
Butyl benzyl phthalate	43.4	10	50	0	87	28	157				
Caprolactam	62.5	10	50	0	125	30	130				
Carbazole	45.2	10	50	0	90	38	175				
Chrysene	42.3	10	50	0	85	43	132				
Di-n-butyl phthalate	47.9	10	50	0	96	37	152				
Di-n-octyl phthalate	43.4	10	50	0	87	50	148				
Dibenz[a,h]anthracene	43.9	10	50	0	88	27	149				
Dibenzofuran	33.2	10	50	0	66	50	130				
Diethyl phthalate	48.3	10	50	0	97	18	169				
Dimethyl phthalate	48.9	10	50	0	98	19	161				
Fluoranthene	41.1	10	50	0	82	50	130				
Fluorene	38.2	10	50	0	76	50	130				
Hexachlorobenzene	42.5	10	50	0	85	45	134				
Hexachlorobutadiene	26.6	10	50	0	53	20	130				
Hexachlorocyclopentadiene	28.5	10	50	0	57	10	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	29.9	10	50	0	60	32	130				
Indeno[1,2,3-cd]pyrene	42.6	10	50	0	85	27	138				
Isophorone	46.0	10	50	0	92	49	130				
N-Nitroso-di-n-propylamine	46.6	10	50	0	93	30	145				
N-Nitrosodiphenylamine	43.7	10	50	0	87	19	157				
Naphthalene	37.5	10	50	0	75	33	130				
Nitrobenzene	45.9	10	50	0	92	38	145				
Pentachlorophenol	40.3	50	50	0	81	50	145				J
Phenanthrene	40.4	10	50	0	81	50	130				
Phenol	42.1	10	50	0	84	20	141				
Pyrene	38.3	10	50	0	77	47	133				
Surr: 2,4,6-Tribromophenol	164	0.10	150	0	109	46	149				
Surr: 2-Fluorobiphenyl	86.8	0.10	100	0	87	42	130				
Surr: 2-Fluorophenol	131	0.10	150	0	88	26	130				
Surr: Nitrobenzene-d5	89.3	0.10	100	0	89	42	130				
Surr: Phenol-d5	134	0.10	150	0	89	21	134				
Surr: Terphenyl-d14	98.4	0.10	100	0	98	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8267**	SampType: **LCS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397632**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	47.9	10	50	0	96	30	130				
2,4,5-Trichlorophenol	36.4	50	50	0	73	60	125				J
2,4,6-Trichlorophenol	41.7	10	50	0	83	60	125				
2,4-Dichlorophenol	41.0	10	50	0	82	60	125				
2,4-Dimethylphenol	39.1	10	50	0	78	42	125				
2,4-Dinitrophenol	29.4	50	50	0	59	25	138				J
2,4-Dinitrotoluene	44.6	10	50	0	89	60	129				
2,6-Dinitrotoluene	45.3	10	50	0	91	60	127				
2-Chloronaphthalene	36.7	10	50	0	73	53	125				
2-Chlorophenol	45.7	10	50	0	91	53	125				
2-Methylnaphthalene	31.5	10	50	0	63	42	125				
2-Methylphenol	37.5	10	50	0	75	56	125				
2-Nitroaniline	41.5	50	50	0	83	60	138				J
2-Nitrophenol	40.6	10	50	0	81	57	125				
3,3´-Dichlorobenzidine	28.7	20	50	0	57	25	128				
3-Nitroaniline	41.9	50	50	0	84	55	144				J
4,6-Dinitro-2-methylphenol	41.3	10	50	0	83	57	125				
4-Bromophenyl phenyl ether	40.1	10	50	0	80	57	135				
4-Chloro-3-methylphenol	42.0	10	50	0	84	60	125				
4-Chloroaniline	36.6	10	50	0	73	39	139				
4-Chlorophenyl phenyl ether	37.7	10	50	0	75	54	128				
4-Methylphenol	38.7	10	50	0	77	51	125				
4-Nitroaniline	41.2	50	50	0	82	52	150				J
4-Nitrophenol	49.2	50	50	0	98	55	144				J
Acenaphthene	37.8	10	50	0	76	58	125				
Acenaphthylene	38.0	10	50	0	76	57	125				
Acetophenone	46.1	10	50	0	92	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: LCS-8267	SampType: LCS	TestCode: 8270W_OLM	Units: µg/L	Prep Date: 10/15/2008	RunNo: 15208		
Client ID: ZZZZZ	Batch ID: 8267	Method: SW8270C	(SW3520C)	Analysis Date: 10/17/2008	SeqNo: 397632		
Instrument: MS05_26	ColumnID: DB-5MS		ZB-5, 0.5 df				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	38.7	10	50	0	77	60	125				
Atrazine	48.2	10	50	0	96	30	130				
Benzaldehyde	48.2	10	50	0	96	30	130				
Benzo[a]anthracene	38.5	10	50	0	77	60	125				
Benzo[a]pyrene	39.2	10	50	0	78	56	131				
Benzo[b]fluoranthene	37.4	10	50	0	75	56	134				
Benzo[g,h,i]perylene	41.5	10	50	0	83	44	144				
Benzo[k]fluoranthene	40.2	10	50	0	80	56	133				
bis(2-Chloroethoxy)methane	44.6	10	50	0	89	58	125				
bis(2-chloroethyl)ether	44.2	10	50	0	88	48	126				
bis(2-chloroisopropyl)ether	51.1	10	50	0	102	33	131				
bis(2-Ethylhexyl)phthalate	42.4	10	50	0	85	60	148				
Butyl benzyl phthalate	42.1	10	50	0	84	58	146				
Caprolactam	61.0	10	50	0	122	30	130				
Carbazole	44.5	10	50	0	89	57	146				
Chrysene	40.3	10	50	0	81	59	128				
Di-n-butyl phthalate	45.0	10	50	0	90	58	146				
Di-n-octyl phthalate	41.7	10	50	0	83	58	149				
Dibenz[a,h]anthracene	40.8	10	50	0	82	44	150				
Dibenzofuran	32.0	10	50	0	64	50	126				
Diethyl phthalate	47.1	10	50	0	94	56	147				
Dimethyl phthalate	47.7	10	50	0	95	60	129				
Fluoranthene	39.6	10	50	0	79	60	128				
Fluorene	37.2	10	50	0	74	59	125				
Hexachlorobenzene	40.8	10	50	0	82	60	134				
Hexachlorobutadiene	25.8	10	50	0	52	25	125				
Hexachlorocyclopentadiene	25.4	10	50	0	51	25	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-8267**	SampType: **LCS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397632**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.6	10	50	0	57	25	125				
Indeno[1,2,3-cd]pyrene	40.8	10	50	0	82	48	141				
Isophorone	45.5	10	50	0	91	60	125				
N-Nitroso-di-n-propylamine	47.3	10	50	0	95	55	134				
N-Nitrosodiphenylamine	41.7	10	50	0	83	54	136				
Naphthalene	36.1	10	50	0	72	48	125				
Nitrobenzene	45.4	10	50	0	91	60	125				
Pentachlorophenol	36.7	50	50	0	73	44	128				J
Phenanthrene	39.1	10	50	0	78	60	125				
Phenol	42.7	10	50	0	85	51	125				
Pyrene	37.7	10	50	0	75	59	130				
Surr: 2,4,6-Tribromophenol	161	0.10	150	0	108	46	149				
Surr: 2-Fluorobiphenyl	84.4	0.10	100	0	84	42	130				
Surr: 2-Fluorophenol	133	0.10	150	0	89	26	130				
Surr: Nitrobenzene-d5	89.1	0.10	100	0	89	42	130				
Surr: Phenol-d5	136	0.10	150	0	91	21	134				
Surr: Terphenyl-d14	98.8	0.10	100	0	99	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

EPA SAMPLE NO.

MB-8267

Lab Name: Life Science Laboratorie Contract: Life Science

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: N0022.D Lab Sample ID: MB-8267

Instrument ID: MS05_26 Date Extracted: 10/15/2008

Matrix: (soil/water) WATER Date Analyzed: 10/17/2008

Level: (low/med) Time Analyzed: 11:59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-8267	LCS-8267	N0023.D	12:38
02	MSB-8267	MSB-8267	N0024.D	13:16
03	MW-1	0810110-001B	N0029.D	16:33
04	MW-2	0810110-002B	N0030.D	17:11
05	MW-2MS	0810110-002BMS	N0031.D	17:50
06	MW-2MSD	0810110-002BMSD	N0032.D	18:28
07	MW-3	0810110-003B	N0033.D	19:06
08	MW-4	0810110-004B	N0034.D	19:45
09	MW-4FD	0810110-005B	N0035.D	20:23
10	MW-3DL	0810110-003BDL	N0046.D	13:33
11	MW-4DL	0810110-004BDL	N0047.D	14:11
12	MW-4FDDL	0810110-005BDL	N0048.D	14:49

COMMENTS: _____

_____

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**		

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	ND	10									
2,4,5-Trichlorophenol	ND	50									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	10									
4-Bromophenyl phenyl ether	ND	10									
4-Chloro-3-methylphenol	ND	10									
4-Chloroaniline	ND	10									
4-Chlorophenyl phenyl ether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	50									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Acetophenone	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	10									
Atrazine	ND	10									
Benzaldehyde	ND	10									
Benzo[a]anthracene	ND	10									
Benzo[a]pyrene	ND	10									
Benzo[b]fluoranthene	ND	10									
Benzo[g,h,i]perylene	ND	10									
Benzo[k]fluoranthene	ND	10									
bis(2-Chloroethoxy)methane	ND	10									
bis(2-chloroethyl)ether	ND	10									
bis(2-chloroisopropyl)ether	ND	10									
bis(2-Ethylhexyl)phthalate	ND	10									
Butyl benzyl phthalate	ND	10									
Caprolactam	ND	10									
Carbazole	ND	10									
Chrysene	ND	10									
Di-n-butyl phthalate	ND	10									
Di-n-octyl phthalate	ND	10									
Dibenz[a,h]anthracene	ND	10									
Dibenzofuran	ND	10									
Diethyl phthalate	ND	10									
Dimethyl phthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	10									
Hexachlorocyclopentadiene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	10									
Indeno[1,2,3-cd]pyrene	ND	10									
Isophorone	ND	10									
N-Nitroso-di-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 2,4,6-Tribromophenol	142	0.10	150	0	94	46	149				
Surr: 2-Fluorobiphenyl	83.3	0.10	100	0	83	42	130				
Surr: 2-Fluorophenol	127	0.10	150	0	84	26	130				
Surr: Nitrobenzene-d5	86.0	0.10	100	0	86	42	130				
Surr: Phenol-d5	126	0.10	150	0	84	21	134				
Surr: Terphenyl-d14	100	0.10	100	0	100	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-8267

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: MB-8267

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0022.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 3 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000141-78-6	Ethyl Acetate	5.72	4.8	JN
2.		unknown (6.16)	6.16	5.2	J
3.		unknown (6.33)	6.33	6.2	J

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	179993	9.60	620338	11.94	362404	15.27	626535	18.10
UPPER LIMIT	359986	10.10	1240676	12.44	724808	15.77	1253070	18.60
LOWER LIMIT	89997	9.10	310169	11.44	181202	14.77	313268	17.60
SAMPLE NO.								
01 CC101708B5 OLM (CC101708B5 OLM)	179036	9.60	610309	11.94	350795	15.26	609660	18.10
02 MB-8267 (MB-8267)	156428	9.59	550756	11.94	308088	15.26	538926	18.09
03 LCS-8267 (LCS-8267)	171450	9.59	607592	11.94	350121	15.27	615388	18.10
04 MSB-8267 (MSB-8267)	169532	9.60	590763	11.94	333962	15.27	586691	18.10
05 MW-1 (0810110-001B)	166966	9.60	601241	11.94	350070	15.27	599082	18.11
06 MW-2 (0810110-002B)	150365	9.60	519247	11.94	309836	15.27	541571	18.11
07 MW-2MS (0810110-002BMS)	147628	9.60	511288	11.95	305194	15.27	546567	18.11
08 MW-2MSD (0810110-002BMSD)	133898	9.60	452299	11.95	275630	15.27	491076	18.11
09 MW-3 (0810110-003B)	144560	9.60	506978	11.94	298808	15.27	485311	18.11
10 MW-4 (0810110-004B)	144321	9.60	490413	11.94	295728	15.27	479718	18.11
11 MW-4FD (0810110-005B)	124348	9.60	432694	11.94	256572	15.27	424311	18.11

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	588434	23.14	607833	25.95
UPPER LIMIT	1176868	23.64	1215666	26.45
LOWER LIMIT	294217	22.64	303917	25.45
SAMPLE NO.				
01 CC101708B5 OLM (CC101708B5 OLM)	554661	23.12	566452	25.94
02 MB-8267 (MB-8267)	474602	23.13	473408	25.93
03 LCS-8267 (LCS-8267)	562625	23.13	585232	25.95
04 MSB-8267 (MSB-8267)	542641	23.13	555732	25.94
05 MW-1 (0810110-001B)	426575	23.14	330217	25.94
06 MW-2 (0810110-002B)	430973	23.14	351610	25.95
07 MW-2MS (0810110-002BMS)	442945	23.15	369111	25.95
08 MW-2MSD (0810110-002BMSD)	442031	23.14	360550	25.94
09 MW-3 (0810110-003B)	293759*	23.15	131870*	25.95
10 MW-4 (0810110-004B)	293485*	23.15	132963*	25.95
11 MW-4FD (0810110-005B)	286904*	23.15	131774*	25.95

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	160273	9.52	541103	11.87	321129	15.19	560608	18.02
UPPER LIMIT	320546	10.02	1082206	12.37	642258	15.69	1121216	18.52
LOWER LIMIT	80137	9.02	270552	11.37	160565	14.69	280304	17.52
SAMPLE NO.								
01 CC102008B5 OLM (CC102008B5 OLM)	159837	9.52	559895	11.86	319329	15.18	559979	18.01
02 MW-3DL (0810110-003BDL)	182322	9.53	648314	11.87	381593	15.19	668426	18.02
03 MW-4DL (0810110-004BDL)	174405	9.53	593948	11.87	347912	15.19	605646	18.03
04 MW-4FDDL (0810110-005BDL)	168943	9.53	602909	11.87	357430	15.19	610410	18.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	526781	23.06	537878	25.83
UPPER LIMIT	1053562	23.56	1075756	26.33
LOWER LIMIT	263391	22.56	268939	25.33
SAMPLE NO.				
01 CC102008B5 OLM (CC102008B5 OLM)	497777	23.04	505323	25.82
02 MW-3DL (0810110-003BDL)	493821	23.06	315785	25.83
03 MW-4DL (0810110-004BDL)	476651	23.06	331081	25.83
04 MW-4FDDL (0810110-005BDL)	489812	23.06	345256	25.83

IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

PCB Data

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): ID: (mm)

	EPA SAMPLE NO.	LSL ID	% REC1 (TCX) 1 #	% REC2 (DCB) 1 #				TOT OUT
01	MB-8271	MB-8271	88	110				0
02	LCS-8271	LCS-8271	88	113				0
03	MSB-8271	MSB-8271	92	111				0
04	MW-1	0810110-001B	92	67				0
05	MW-2	0810110-002B	90	48				0
06	MW-2MS	0810110-002BMS	92	48				0
07	MW-2MSD	0810110-002BMSD	94	59				0
08	MW-3	0810110-003B	77	26				0
09	MW-4	0810110-004B	88	30				0
10	MW-4FD	0810110-005B	77	39				0

	QC Limit
% REC1 (TCX) 1 = Tetrachloro-m-xylene	36-131
% REC2 (DCB) 1 = Decachlorobiphenyl	25-142

Column to be used to flag recovery values

* Values outside of contract required QC limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **MW-2**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/21/2008**	SeqNo: **398116**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.17	0.521	2.08	0	104	31	153				
Aroclor 1260	2.12	0.521	2.08	0	102	12	175				
Surr: Tetrachloro-m-xylene	0.573	0	0.625	0	92	36	131				
Surr: Decachlorobiphenyl	0.299	0	0.625	0	48	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
CLIENT: Beardsley Design Associates **Project:** Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **MW-2**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/21/2008**	SeqNo: **398117**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.24	0.521	2.08	0	107	31	153	2.17	3.0	51	
Aroclor 1260	2.26	0.521	2.08	0	108	12	175	2.12	6.4	25	
Surr: Tetrachloro-m-xylene	0.586	0	0.625	0	94	36	131	0		0	
Surr: Decachlorobiphenyl	0.370	0	0.625	0	59	25	142	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8271**	SampType: **MSB**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398108**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	31	153				
Aroclor 1260	2.16	0.500	2	0	108	12	175				
Surr: Tetrachloro-m-xylene	0.550	0	0.6	0	92	36	131				
Surr: Decachlorobiphenyl	0.665	0	0.6	0	111	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8271**	SampType: **LCS**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398107**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	48	142				
Aroclor 1260	2.19	0.500	2	0	110	56	136				
Surr: Tetrachloro-m-xylene	0.528	0	0.6	0	88	36	131				
Surr: Decachlorobiphenyl	0.676	0	0.6	0	113	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

4C

EPA SAMPLE NO.

MB-8271

Lab Name: Life Science Laboratories Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Lab Sample ID: MB-8271 Lab File ID: 102018.rst

Matrix: (soil/water) W Extraction: (Type) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/15/2008

Date Analyzed (1): 10/20/2008 Date Analyzed (2):

Time Analyzed (1): 20:11 Time Analyzed (2):

Instrument ID (1): GC90_20C Instrument ID (2):

GC Column (1): DB-608 ID: 0.5 (mm) GC Column (2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	LCS-8271	LCS-8271	10/20/2008	
2	MSB-8271	MSB-8271	10/20/2008	
3	MW-1	0810110-001B	10/21/2008	
4	MW-2	0810110-002B	10/21/2008	
5	MW-2MS	0810110-002BMS	10/21/2008	
6	MW-2MSD	0810110-002BMSD	10/21/2008	
7	MW-3	0810110-003B	10/21/2008	
8	MW-4	0810110-004B	10/21/2008	
9	MW-4FD	0810110-005B	10/21/2008	

COMMENTS: _____

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8271**	SampType: **MBLK**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398106**
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.500									
Aroclor 1221	ND	0.500									
Aroclor 1232	ND	0.500									
Aroclor 1242	ND	0.500									
Aroclor 1248	ND	0.500									
Aroclor 1254	ND	0.500									
Aroclor 1260	ND	0.500									
Surr: Tetrachloro-m-xylene	0.525	0	0.6	0	88	36	131				
Surr: Decachlorobiphenyl	0.657	0	0.6	0	110	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Trace Metals Data

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: 0810110-002CMS	SampType: MS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/23/2008	RunNo: 15287		
Client ID: MW-2	Batch ID: 8322	Method: SW6010B	(SW3005A)	Analysis Date: 10/24/2008	SeqNo: 399360		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3.83	0.10	1	2.9	94	80	122				
Antimony	0.206	0.060	0.2	0	103	80	120				
Arsenic	0.203	0.010	0.2	0	102	80	120				
Barium	0.451	0.10	0.2	0.263	94	77	122				
Beryllium	0.196	0.010	0.2	0	98	80	120				
Cadmium	0.188	0.010	0.2	0	94	80	120				
Calcium	120	1.0	10	111	97	60	140				
Chromium	0.199	0.010	0.2	0.00664	96	80	120				
Cobalt	0.191	0.050	0.2	0	95	78	120				
Copper	0.209	0.010	0.2	0.00805	100	80	120				
Iron	5.41	0.050	1	4.45	96	67	130				
Lead	0.196	0.010	0.2	0	98	80	120				
Magnesium	33.1	1.0	10	23.7	94	73	120				
Manganese	0.320	0.050	0.2	0.126	97	77	120				
Nickel	0.201	0.050	0.2	0.0063	98	80	120				
Potassium	18.3	5.0	10	6.07	122	78	140				
Selenium	0.205	0.010	0.2	0.00894	98	76	121				
Silver	0.0481	0.010	0.05	0	96	80	120				
Sodium	1080	1.0	10	1070	136	60	140				
Thallium	0.191	0.020	0.2	0	96	76	120				
Vanadium	0.202	0.050	0.2	0.00564	98	80	120				
Zinc	0.239	0.020	0.2	0.0359	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

e: *28-Oct-08*

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: 0810110-002CMSD	SampType: MSD	TestCode: 6010W05	Units: mg/L	Prep Date: 10/23/2008	RunNo: 15287		
Client ID: MW-2	Batch ID: 8322	Method: SW6010B	(SW3005A)	Analysis Date: 10/24/2008	SeqNo: 399361		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.03	0.10	1	2.9	114	80	122	3.83	5	10	
Antimony	0.210	0.060	0.2	0	105	80	120	0.206	2	10	
Arsenic	0.208	0.010	0.2	0	104	80	120	0.203	2	10	
Barium	0.458	0.10	0.2	0.263	98	77	122	0.451	1	10	
Beryllium	0.200	0.010	0.2	0	100	80	120	0.196	2	10	
Cadmium	0.193	0.010	0.2	0	96	80	120	0.188	2	10	
Calcium	122	1.0	10	111	112	60	140	120	1	10	
Chromium	0.204	0.010	0.2	0.00664	98	80	120	0.199	2	10	
Cobalt	0.196	0.050	0.2	0	98	78	120	0.191	3	10	
Copper	0.213	0.010	0.2	0.00805	102	80	120	0.209	2	10	
Iron	5.53	0.050	1	4.45	108	67	130	5.41	2	10	
Lead	0.199	0.010	0.2	0	99	80	120	0.196	1	10	
Magnesium	33.6	1.0	10	23.7	99	73	120	33.1	2	10	
Manganese	0.325	0.050	0.2	0.126	99	77	120	0.32	1	10	
Nickel	0.206	0.050	0.2	0.0063	100	80	120	0.201	2	10	
Potassium	18.7	5.0	10	6.07	126	78	140	18.3	2	10	
Selenium	0.208	0.010	0.2	0.00894	100	76	121	0.205	2	10	
Silver	0.0488	0.010	0.05	0	98	80	120	0.0481	1	10	
Sodium	1090	1.0	10	1070	211	60	140	1080	1	10	S
Thallium	0.201	0.020	0.2	0	100	76	120	0.191	5	11	
Vanadium	0.206	0.050	0.2	0.00564	100	80	120	0.202	2	10	
Zinc	0.244	0.020	0.2	0.0359	104	80	120	0.239	2	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	0810110-002C	SampType:	PDS	TestCode:	6010W05	Units:	mg/L	Prep Date:	10/23/2008	RunNo:	15287
Client ID:	MW-2	Batch ID:	8322	Method:	SW6010B		(SW3005A)	Analysis Date:	10/24/2008	SeqNo:	399363
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3.83	0.10	1	2.9	94	75	125				
Antimony	0.203	0.060	0.2	0	102	75	125				
Arsenic	0.201	0.010	0.2	0	100	75	125				
Barium	0.443	0.10	0.2	0.263	90	75	125				
Beryllium	0.193	0.010	0.2	0	96	75	125				
Cadmium	0.185	0.010	0.2	0	93	75	125				
Calcium	118	1.0	10	111	73	75	125				S
Chromium	0.204	0.010	0.2	0.00664	99	75	125				
Cobalt	0.188	0.050	0.2	0	94	75	125				
Copper	0.206	0.010	0.2	0.00805	99	75	125				
Iron	5.36	0.050	1	4.45	91	75	125				
Lead	0.193	0.010	0.2	0	97	75	125				
Magnesium	32.5	1.0	10	23.7	88	75	125				
Manganese	0.314	0.050	0.2	0.126	94	75	125				
Nickel	0.201	0.050	0.2	0.0063	98	75	125				
Potassium	18.1	5.0	10	6.07	120	75	125				
Selenium	0.200	0.010	0.2	0.00894	96	75	125				
Silver	0.0474	0.010	0.05	0	95	75	125				
Sodium	1060	1.0	10	1070	0	75	125				S
Thallium	0.191	0.020	0.2	0	96	75	125				
Vanadium	0.198	0.050	0.2	0.00564	96	75	125				
Zinc	0.240	0.020	0.2	0.0359	102	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

e: *28-Oct-08*

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8322** SampType: **LCS** TestCode: **6010W05** Units: **mg/L** Prep Date: **10/23/2008** RunNo: **15287**
Client ID: **ZZZZZ** Batch ID: **8322** Method: **SW6010B** **(SW3005A)** Analysis Date: **10/24/2008** SeqNo: **399348**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.03	0.10	1	0	103	85	115				
Antimony	0.213	0.060	0.2	0	107	85	115				
Arsenic	0.208	0.010	0.2	0	104	85	115				
Barium	0.198	0.10	0.2	0	99	85	115				
Beryllium	0.208	0.010	0.2	0	104	85	115				
Cadmium	0.203	0.010	0.2	0	101	85	115				
Calcium	10.3	1.0	10	0	103	85	115				
Chromium	0.207	0.010	0.2	0	103	85	115				
Cobalt	0.204	0.050	0.2	0	102	85	115				
Copper	0.205	0.010	0.2	0	102	85	115				
Iron	1.05	0.050	1	0	105	85	115				
Lead	0.205	0.010	0.2	0	103	85	115				
Magnesium	10.3	1.0	10	0	103	85	115				
Manganese	0.205	0.050	0.2	0	103	85	115				
Nickel	0.209	0.050	0.2	0	104	85	115				
Potassium	10.3	5.0	10	0	103	85	115				
Selenium	0.206	0.010	0.2	0	103	85	115				
Silver	0.0488	0.010	0.05	0	98	85	115				
Sodium	10.4	1.0	10	0	104	85	115				
Thallium	0.207	0.020	0.2	0	104	85	115				
Vanadium	0.207	0.050	0.2	0	103	85	115				
Zinc	0.213	0.020	0.2	0	106	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8322**	SampType: **MBLK**	TestCode: **6010W05**	Units: **mg/L**	Prep Date: **10/23/2008**	RunNo: **15287**		
Client ID: **ZZZZZ**	Batch ID: **8322**	Method: **SW6010B**	**(SW3005A)**	Analysis Date: **10/24/2008**	SeqNo: **399344**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Mercury Data

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: 0810110-002CMS	SampType: MS	TestCode: HG7470W	Units: mg/L	Prep Date: 10/16/2008	RunNo: 15222				
Client ID: MW-2	Batch ID: 8276	Method: SW7470A	(SW7470A)	Analysis Date: 10/17/2008	SeqNo: 397853				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00207	0.00020	0.002	0	103	60	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002CMSD**	SampType: **MSD**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**				
Client ID: **MW-2**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397854**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00208	0.00020	0.002	0	104	60	140	0.00207	0.5	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002C**	SampType: **PDS**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**		
Client ID: **MW-2**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397864**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00206	0.00020	0.002	0	103	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8276**	SampType: **LCS**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**		
Client ID: **ZZZZZ**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397801**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00523	0.00020	0.005	0	105	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8276**	SampType: **MBLK**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**		
Client ID: **ZZZZZ**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397800**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Sample Data Package

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from the Beardsley project located in Brownsfield, NY. New York State Department of Environmental Conservation forms are included in the Sample Data Summary Package.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. Temperatures of the iced coolers were 12.4°C and 13.2°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
GC/MS Volatile Organics	8260B	1
GC/MS Semivolatile Organics	8270C	1
PCBs	8082	1
ICP Metals	SW6010B	1
Mercury	SW7470A/SW7471A	1

1) New York State Department of Environmental Conservation Analytical Services Protocol, June 2000.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Category B order of data requirements.

Total # of pages in report_____

GC/MS Volatile Organics Case Narrative

Client:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 10/28/08

Supervisor/Reviewed by (Initials/Date): 10/31/08

QA/QC Review (Initials/Date): 10/31/08

File Name: G:\Narratives\MSVoa\0810110msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column (MS01 & MS03), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and Restek Rtx-VMS, 60 m x 0.25mm ID capillary column (MS04), and a Vocarb 3000 adsorbent trap.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-15252	Trichlorofluoromethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

MS/MSD/MSB
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
MW-2	0810110-002AMS/MSD	Trichlorofluoromethane	X		1

1 The recovery for this compound in the associated MSB was within acceptance limits. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Client:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	8260B

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-Volatile Organics Case Narrative

Client ID: BEARDSLEY
Project/Order: Brown Mfg Brownsfield, NY
Work Order #: 0810110
Methodology: 8270C

Analyzed/Reviewed by (Initials/Date): 10/29/08

Supervisor/Reviewed by (Initials/Date): 10-29-08

QA/QC Review (Initials/Date): 10/31/08

File Name: G:\Narratives\MSSemi\0810110svnar.doc

GC/MS Semi-Volatile Organics
The GC/MS Semi-volatile instruments used a J & W DB-5MS, 30 m x 0.25 mm ID capillary column.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
MW-2	0810110-002MS	Hexachlorocyclopentadiene	X		1
MW-2MS/MSD	0810110-002BMS/MSD	3,3'-Dichlorobenzidine		X	1

1 The recovery for this compound in the associated LCS and MSB was within acceptance limits. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
The internal standard area for the following sample(s) did not meet abundance criteria:

Sample Description	Sample #	Internal Standard	Corrective Action
MW-3	0810110-003B	Chrysene-d12	1
		Perylene-d12	1
MW-4	0810110-004B	Chrysene-d12	1
		Perylene-d12	1
MW-4FD	0810110-005B	Chrysene-d12	1
		Perylene-d12	1

Client ID:	BEARSDSLEY
Project/Order:	Brown Mfg
Work Order#:	0810110
Methodology:	8270C

1 The recovery met acceptance criteria when reanalyzed at a higher dilution. Matrix interference is suspected. Both sets of data are reported. No further corrective action was taken.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Due to the shape of the peak, the library search program did not detect elemental sulfur present in all the sample chromatograms. A manual scan was performed for sample MW-1[0810110-001B] and included in the raw TIC data.

GC Semi-Volatile Organics Case Narrative

Client:	Beardsley
Project/Order:	Brown Mfg. Brownsfield, NY
Work Order. #:	0810110
Methodology:	8082

Analyzed/Reviewed by (Initials/Date): SJS 10/29/08

Supervisor/Reviewed by (Initials/Date): CM 11-5-08

QA/QC Review (Initials/Date): YK 10/31/08

File Name: G:\Narratives\GCSemi\0810110pcb.doc

PCBs

There were no excursions to note. All QC results were within established control limits.

Trace Metals Case Narrative

Client ID:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	ICP metals – SW6010B

Analyzed/Reviewed by (Date/Initials): 10-28-08 MT

Supervisor/Reviewed by (Date/Initials): 10-29-08 MT

QA/QC Review (Date/Initials): 10/31/08 SK

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
The following analyte did not meet matrix spike/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
MW-2	0810110-002C	Na	X		1

1. The concentration of the analyte in the sample was much greater than the concentration of the spike added. A post-digestion spike was performed as required. No further corrective action was taken.

ICP Serial Dilution
The following analyte did not meet ICP serial dilution recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
MW-2	0810110-002C	K	1

1. A post digestion spike was performed as required. No further corrective action was taken.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

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Trace Metals Case Narrative

Client ID:	BEARDSLEY
Project/Order:	Brown Mfg Brownsfield, NY
Work Order #:	0810110
Methodology:	Mercury – SW7470A

Analyzed/Reviewed by (Date/Initials): 10-28-08 mt

Supervisor/Reviewed by (Date/Initials): 10-28-08 mt

QA/QC Review (Date/Initials): 10/31/08

Trace Metals

There were no excursions to note. All QC results were within established control limits.

Life Science Laboratories, Inc.

Date: *05-Nov-08*

CLIENT: Beardsley Design Associates
Project: Brown Mfg Brownsfield, NY
Lab Order: 0810110

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0810110-001A	MW-1		10/14/2008	10/14/2008
0810110-001B	MW-1		10/14/2008	10/14/2008
0810110-001C	MW-1		10/14/2008	10/14/2008
0810110-002A	MW-2		10/14/2008	10/14/2008
0810110-002B	MW-2		10/14/2008	10/14/2008
0810110-002C	MW-2		10/14/2008	10/14/2008
0810110-003A	MW-3		10/14/2008	10/14/2008
0810110-003B	MW-3		10/14/2008	10/14/2008
0810110-003C	MW-3		10/14/2008	10/14/2008
0810110-004A	MW-4		10/14/2008	10/14/2008
0810110-004B	MW-4		10/14/2008	10/14/2008
0810110-004C	MW-4		10/14/2008	10/14/2008
0810110-005A	MW-4FD		10/14/2008	10/14/2008
0810110-005B	MW-4FD		10/14/2008	10/14/2008
0810110-005C	MW-4FD		10/14/2008	10/14/2008
0810110-006A	Trip Blank		10/14/2008	10/14/2008

Chain of Custody

External Chain of Custody

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Phone # (315) 445-1105 Telefax # (315) 445-1301

Chain of Custody Record

Client: BEARDSLEY DESIGN ASSOCIATES Phone # 472-6980
Address: 431 E FAYETTE ST Fax # 472-3523
SYRACUSE, NY 13202

Contact Person: Rich McKenna rmckenna@beardsley.com

LSL Project #:

Client's Site I.D.: BROWN MFG. ~~00621.002~~

Client's Project I.D.: 00621.002

Authorization:

LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Type: grab	Type: comp.	Matrix	Preserv. Added	Containers: #	Containers: size/type	Analyses	Free Cl (mg/L)	Pres. Check
	MW-1	10/14/08	2:00	X		NPW		4		8260, 8270, 8082, METALS		
	MW-2	10/14/08	2:30	X		NPW		4		8260, 8270, 8082, METALS		
	MW-3	10/14/08	2:45	X		NPW		4		8260, 8270, 8082, METALS		
	MW-4	10/14/08	~~2:15~~	X		NPW		4		8260, 8270, 8082, METALS		
	~~MW-5~~	~~10/14/08~~		~~X~~		~~NPW~~		~~4~~		~~8260, 8270, 8082, METALS~~		
	MW-4FD	10/14/08	3:15	X		NPW		4		8260, 8270, 8082, Metals		
	MW-2MS	10/14/08	3:30	X		NPW		4		8260, 8270, 8082, metals		
	MW-2MSD	10/14/08	3:45	X		NPW		4		8260, 8270, 8082, metals		

Notes and Hazard Identifications:
BROWNFIELD PROJECT
CATEGORY B DELIVERABLES

Custody Transfers	Date	Time
Sampled By: Douglas E Roth Received By:		
Relinquished By: Received By:		
Relinquished By: Douglas E Roth Received for Lab By:	10/14/08	1654

Shipment Method: Samples Received Intact: Y N 12.4, 13.2°C ON ICE

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Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **BEARDSLEY** Date and Time Received: **10/14/2008 4:54:00 PM**

Work Order Number **0810110** Received by: ads

Checklist completed by: _____ Initials 10/15/08 Date Reviewed by: MS Initials 10/15/08 Date

Matrix: Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☐ N ☐ NA ☑		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

"Trip Blank" vials not listed on COC.

Corrective Action::

TB logged in

Client/Project Beardsley 0810110

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001→005	B		MA	10/15/08 13:10	8270W	NR
0810110-001→005	B		CIR	10-15-08 14:10	8082W	NR
0810110-001→005	C		C. Tran	10/16/08 10:30	Hg DIG	10/16/08 12:00
001→006	A		MA	10/21/08 16:05	8260	NR
0810110-001→005	C		MA	10/23/08 11:00	3005A	10/23/08 16:00

Internal Chain of Custody

GC/MS SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 8267 **Date Extracted:** 10-15-08

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
Beardsley	0810110-001 ↓ 005B	10-17-08 11:30	CJR	0810110-001B ↓ 005B	10/17/08 1130	MG	8270	10/20/08 8AM	MG
				0810110-003B ↓ 005B	10/20/08 12PM	MG	8270	10/21/08 8AM	MG

Reviewed by: 10-29-08 Date:

GC SEMIVOLATILE ORGANICS SAMPLE CONTROL LOG

QC Batch #: 8271 **Date Extracted:** 10-15-08

Client/Job Number	Laboratory Sample Number Range	Date/Time Stored in Refrigerator	Relinquished By	Laboratory Sample Number Removed	Date/Time Removed	By	Method Analyzed For	Date/Time Returned	By
Beardsley	0810110-001B, ↓ 005B	10-17-08 9:45	CLE	0810110-18->5B	10/20/08 9:10	SSc	8082	10/21/08 16:25	SSc

Reviewed by: [signature] Date: 11-5-08

G:\Logbooks 2006\Organics\SVOA37.SampleControl Revised

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 8322 Date Digested : 10-23-08

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
Beardsley	0810110-001K → 005C	← SAME	MT	10-24-08	9:00	16:30

Raw Data

GC/MS Volatile Organics Data

QC Summary

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

	EPA SAMPLE NO.	LSL ID	SMC1 (DCE) 1 #	SMC2 (TOL) 1 #	SMC3 (BFB) 1 #				TOT OUT
01	MSB-15252	MSB-15252	108	91	95				0
02	LCS-15252	LCS-15252	110	95	98				0
03	MB-15252	MB-15252	119	99	108				0
04	MW-2	0810110-002A	119	97	105				0
05	MW-3	0810110-003A	112	98	108				0
06	MW-4	0810110-004A	116	96	106				0
07	MW-4FD	0810110-005A	113	94	108				0
08	Trip Blank	0810110-006A	114	101	104				0
09	MW-1	0810110-001A	119	97	103				0
10	MW-2MS	0810110-002AMS	114	90	100				0
11	MW-2MSD	0810110-002AMSD	109	93	101				0

	QC Limit
SMC 1 (DCE) 1 = 1,2-Dichloroethane-d4	75-134
SMC 2 (TOL) 1 = Toluene-d8	75-125
SMC 3 (BFB) 1 = 4-Bromofluorobenzene	75-125

Column to be used to flag recovery values

* Values outside of contract required QC limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002AMS**	SampType: **MS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398866**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.92	1.00	10	0	89	68	134				
Chloromethane	10.6	1.00	10	0	106	58	135				
Vinyl chloride	10.2	1.00	10	0	102	70	130				
Bromomethane	10.1	1.00	10	0	101	29	156				
Chloroethane	11.2	1.00	10	0	112	70	130				
Trichlorofluoromethane	13.4	1.00	10	0	134	70	131				S
1,1-Dichloroethene	8.70	0.500	10	0	87	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.4	10.0	20	0	82	25	150				
Carbon disulfide	10.6	0.500	10	0	106	66	130				
Methyl acetate	7.79	5.00	10	0	78	63	132				
Methylene chloride	9.83	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.56	0.500	10	0	96	70	130				
Methyl tert-butyl ether	9.00	1.00	10	0	90	70	130				
1,1-Dichloroethane	10.5	0.500	10	0	105	70	130				
cis-1,2-Dichloroethene	9.70	0.500	10	0	97	48	151				
2-Butanone	18.2	10.0	20	0	91	25	150				
Chloroform	15.8	0.500	10	4.98	108	70	130				
1,1,1-Trichloroethane	10.2	0.500	10	0	102	70	130				
Cyclohexane	10.4	0.500	10	0	104	70	130				
Carbon tetrachloride	9.16	0.500	10	0	92	70	140				
Benzene	9.98	0.500	10	0	100	70	132				
1,2-Dichloroethane	10.8	0.500	10	0	108	70	130				
Trichloroethene	9.91	0.500	10	0	99	42	167				
Methylcyclohexane	9.92	0.500	10	0	99	62	130				
1,2-Dichloropropane	10.4	0.500	10	0	104	70	130				
Bromodichloromethane	10.6	0.500	10	0	106	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMS** SampType: **MS** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**

Client ID: **MW-2** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398866**

Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.39	0.500	10	0	94	70	130				
4-Methyl-2-pentanone	17.5	5.00	20	0	87	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.70	0.500	10	0	97	58	132				
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133				
Tetrachloroethene	8.41	0.500	10	0	84	70	130				
2-Hexanone	14.9	5.00	20	0	74	25	155				
Dibromochloromethane	7.28	0.500	10	0	73	70	130				
1,2-Dibromoethane	8.76	0.500	10	0	88	70	130				
Chlorobenzene	9.18	0.500	10	0	92	69	130				
Ethylbenzene	9.08	0.500	10	0	91	70	130				
Xylenes (total)	26.0	1.00	30	0	87	65	132				
Styrene	8.71	0.500	10	0	87	57	133				
Bromoform	8.32	1.00	10	0	83	70	130				
Isopropylbenzene	9.55	0.500	10	0	96	70	130				
1,1,2,2-Tetrachloroethane	11.6	0.500	10	0	116	68	136				
1,3-Dichlorobenzene	9.63	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.93	0.500	10	0	99	70	130				
1,2-Dichlorobenzene	9.81	0.500	10	0	98	70	130				
1,2-Dibromo-3-chloropropane	8.31	5.00	10	0	83	55	149				
1,2,4-Trichlorobenzene	7.69	1.00	10	0	77	68	130				
Surr: 1,2-Dichloroethane-d4	11.4	0.100	10	0	114	75	134				
Surr: Toluene-d8	9.05	0.100	10	0	90	75	125				
Surr: 4-Bromofluorobenzene	10.0	0.100	10	0	100	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMSD**	SampType: **MSD**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398867**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.64	1.00	10	0	96	68	134	8.92	7.8	20	
Chloromethane	10.8	1.00	10	0	108	58	135	10.6	2.2	20	
Vinyl chloride	10.6	1.00	10	0	106	70	130	10.2	3.5	20	
Bromomethane	10.4	1.00	10	0	104	29	156	10.1	2.8	24	
Chloroethane	11.1	1.00	10	0	111	70	130	11.2	0.7	20	
Trichlorofluoromethane	13.5	1.00	10	0	135	70	131	13.4	0.8	20	S
1,1-Dichloroethene	9.17	0.500	10	0	92	70	135	8.7	5.3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	11.2	0.500	10	0	112	70	130	11	1.3	20	
Acetone	16.4	10.0	20	0	82	25	150	16.4	0.2	50	
Carbon disulfide	10.6	0.500	10	0	106	66	130	10.6	0.1	20	
Methyl acetate	7.76	5.00	10	0	78	63	132	7.79	0.4	20	
Methylene chloride	9.72	2.00	10	0	97	70	130	9.83	1.1	20	
trans-1,2-Dichloroethene	9.65	0.500	10	0	97	70	130	9.56	0.9	20	
Methyl tert-butyl ether	9.03	1.00	10	0	90	70	130	9	0.3	20	
1,1-Dichloroethane	10.4	0.500	10	0	104	70	130	10.5	1.3	20	
cis-1,2-Dichloroethene	9.77	0.500	10	0	98	48	151	9.7	0.7	20	
2-Butanone	19.4	10.0	20	0	97	25	150	18.2	6.1	50	
Chloroform	15.7	0.500	10	4.98	108	70	130	15.8	0.3	20	
1,1,1-Trichloroethane	10.6	0.500	10	0	106	70	130	10.2	3.8	20	
Cyclohexane	10.4	0.500	10	0	104	70	130	10.4	0.7	20	
Carbon tetrachloride	9.78	0.500	10	0	98	70	140	9.16	6.5	20	
Benzene	10.2	0.500	10	0	102	70	132	9.98	2.1	20	
1,2-Dichloroethane	10.9	0.500	10	0	109	70	130	10.8	1.5	20	
Trichloroethene	10.1	0.500	10	0	101	42	167	9.91	2.1	20	
Methylcyclohexane	9.82	0.500	10	0	98	62	130	9.92	1.0	20	
1,2-Dichloropropane	10.5	0.500	10	0	105	70	130	10.4	0.8	20	
Bromodichloromethane	10.9	0.500	10	0	109	70	130	10.6	3.4	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: 0810110-002AMSD	SampType: MSD	TestCode: 8260W_OLM	Units: µg/L	Prep Date:		RunNo:	15252
Client ID: MW-2	Batch ID: R15252	Method: SW8260B		Analysis Date: 10/22/08		SeqNo:	398867
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.63	0.500	10	0	96	70	130	9.39	2.5	20	
4-Methyl-2-pentanone	18.4	5.00	20	0	92	44	150	17.5	5.0	50	
Toluene	9.94	0.500	10	0	99	70	130	10	0.9	20	
trans-1,3-Dichloropropene	9.72	0.500	10	0	97	58	132	9.7	0.2	25	
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133	10.6	0.7	20	
Tetrachloroethene	8.49	0.500	10	0	85	70	130	8.41	0.9	20	
2-Hexanone	15.9	5.00	20	0	80	25	155	14.9	6.7	50	
Dibromochloromethane	7.71	0.500	10	0	77	70	130	7.28	5.7	20	
1,2-Dibromoethane	9.03	0.500	10	0	90	70	130	8.76	3.0	20	
Chlorobenzene	9.44	0.500	10	0	94	69	130	9.18	2.8	20	
Ethylbenzene	9.26	0.500	10	0	93	70	130	9.08	2.0	20	
Xylenes (total)	26.7	1.00	30	0	89	65	132	26	2.7	20	
Styrene	8.99	0.500	10	0	90	57	133	8.71	3.2	20	
Bromoform	9.08	1.00	10	0	91	70	130	8.32	8.7	20	
Isopropylbenzene	9.86	0.500	10	0	99	70	130	9.55	3.2	20	
1,1,2,2-Tetrachloroethane	11.5	0.500	10	0	115	68	136	11.6	1.0	20	
1,3-Dichlorobenzene	9.97	0.500	10	0	100	70	130	9.63	3.5	20	
1,4-Dichlorobenzene	9.71	0.500	10	0	97	70	130	9.93	2.2	20	
1,2-Dichlorobenzene	9.90	0.500	10	0	99	70	130	9.81	0.9	20	
1,2-Dibromo-3-chloropropane	8.99	5.00	10	0	90	55	149	8.31	7.9	20	
1,2,4-Trichlorobenzene	7.80	1.00	10	0	78	68	130	7.69	1.4	20	
Surr: 1,2-Dichloroethane-d4	10.9	0.100	10	0	109	75	134	0		0	
Surr: Toluene-d8	9.31	0.100	10	0	93	75	125	0		0	
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125	0		0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

170 : *23-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-15252**	SampType: **MSB**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398857**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.88	1.00	10	0	89	68	134				
Chloromethane	9.64	1.00	10	0	96	58	135				
Vinyl chloride	9.45	1.00	10	0	94	70	130				
Bromomethane	9.35	1.00	10	0	94	29	156				
Chloroethane	10.4	1.00	10	0	104	70	130				
Trichlorofluoromethane	12.8	1.00	10	0	128	70	131				
1,1-Dichloroethene	8.78	0.500	10	0	88	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.9	10.0	20	0	84	25	150				
Carbon disulfide	10.2	0.500	10	0	102	66	130				
Methyl acetate	7.53	5.00	10	0	75	63	132				
Methylene chloride	9.75	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.62	0.500	10	0	96	70	130				
Methyl tert-butyl ether	8.35	1.00	10	0	84	70	130				
1,1-Dichloroethane	9.90	0.500	10	0	99	70	130				
cis-1,2-Dichloroethene	9.53	0.500	10	0	95	48	151				
2-Butanone	19.7	10.0	20	0	98	25	150				
Chloroform	10.7	0.500	10	0	107	70	130				
1,1,1-Trichloroethane	9.77	0.500	10	0	98	70	130				
Cyclohexane	10.3	0.500	10	0	103	70	130				
Carbon tetrachloride	8.48	0.500	10	0	85	70	140				
Benzene	10.1	0.500	10	0	101	70	132				
1,2-Dichloroethane	10.7	0.500	10	0	107	70	130				
Trichloroethene	9.85	0.500	10	0	98	42	167				
Methylcyclohexane	10.4	0.500	10	0	104	62	130				
1,2-Dichloropropane	10.2	0.500	10	0	102	70	130				
Bromodichloromethane	9.70	0.500	10	0	97	70	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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23-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

CLIENT: Beardsley Design Associates

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-15252**	SampType: **MSB**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398857**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.3	0.500	10	0	103	70	130				
4-Methyl-2-pentanone	17.7	5.00	20	0	89	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.20	0.500	10	0	92	58	132				
1,1,2-Trichloroethane	10.1	0.500	10	0	101	68	133				
Tetrachloroethene	8.61	0.500	10	0	86	70	130				
2-Hexanone	15.1	5.00	20	0	76	25	155				
Dibromochloromethane	7.21	0.500	10	0	72	70	130				
1,2-Dibromoethane	8.31	0.500	10	0	83	70	130				
Chlorobenzene	9.13	0.500	10	0	91	69	130				
Ethylbenzene	9.13	0.500	10	0	91	70	130				
Xylenes (total)	26.2	1.00	30	0	87	65	132				
Styrene	8.80	0.500	10	0	88	57	133				
Bromoform	7.96	1.00	10	0	80	70	130				
Isopropylbenzene	9.51	0.500	10	0	95	70	130				
1,1,2,2-Tetrachloroethane	10.4	0.500	10	0	104	68	136				
1,3-Dichlorobenzene	9.60	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.84	0.500	10	0	98	70	130				
1,2-Dichlorobenzene	9.52	0.500	10	0	95	70	130				
1,2-Dibromo-3-chloropropane	7.75	5.00	10	0	78	55	149				
1,2,4-Trichlorobenzene	7.26	1.00	10	0	73	68	130				
Surr: 1,2-Dichloroethane-d4	10.8	0.100	10	0	108	75	134				
Surr: Toluene-d8	9.12	0.100	10	0	91	75	125				
Surr: 4-Bromofluorobenzene	9.51	0.100	10	0	95	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

172 : *23-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: LCS-15252	SampType: LCS	TestCode: 8260W_OLM	Units: µg/L	Prep Date:		RunNo:	15252
Client ID: ZZZZZ	Batch ID: R15252	Method: SW8260B		Analysis Date: 10/22/08		SeqNo:	398858
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.96	1.00	10	0	100	63	139				
Chloromethane	10.7	1.00	10	0	107	59	133				
Vinyl chloride	10.5	1.00	10	0	105	75	125				
Bromomethane	10.2	1.00	10	0	103	42	156				
Chloroethane	11.7	1.00	10	0	117	75	124				
Trichlorofluoromethane	13.6	1.00	10	0	136	73	132				S
1,1-Dichloroethene	8.81	0.500	10	0	88	77	126				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.3	0.500	10	0	113	80	120				
Acetone	19.3	10.0	20	0	96	37	163				
Carbon disulfide	10.6	0.500	10	0	106	76	122				
Methyl acetate	7.09	5.00	10	0	71	67	136				
Methylene chloride	9.69	2.00	10	0	97	78	120				
trans-1,2-Dichloroethene	9.35	0.500	10	0	94	80	120				
Methyl tert-butyl ether	8.98	1.00	10	0	90	76	122				
1,1-Dichloroethane	10.1	0.500	10	0	101	80	120				
cis-1,2-Dichloroethene	10.0	0.500	10	0	100	80	120				
2-Butanone	20.5	10.0	20	0	102	49	153				
Chloroform	10.7	0.500	10	0	107	80	120				
1,1,1-Trichloroethane	10.4	0.500	10	0	104	80	127				
Cyclohexane	10.6	0.500	10	0	106	78	124				
Carbon tetrachloride	9.46	0.500	10	0	95	74	137				
Benzene	10.1	0.500	10	0	101	80	120				
1,2-Dichloroethane	10.6	0.500	10	0	106	73	126				
Trichloroethene	10.1	0.500	10	0	101	80	120				
Methylcyclohexane	10.1	0.500	10	0	101	75	126				
1,2-Dichloropropane	10.2	0.500	10	0	102	80	120				
Bromodichloromethane	10.7	0.500	10	0	107	78	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: LCS-15252	SampType: LCS	TestCode: 8260W_OLM	Units: µg/L	Prep Date:		RunNo:	15252
Client ID: ZZZZZ	Batch ID: R15252	Method: SW8260B		Analysis Date: 10/22/08		SeqNo:	398858
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.6	0.500	10	0	106	80	120				
4-Methyl-2-pentanone	19.3	5.00	20	0	97	50	150				
Toluene	10.0	0.500	10	0	101	80	120				
trans-1,3-Dichloropropene	9.95	0.500	10	0	100	73	121				
1,1,2-Trichloroethane	10.8	0.500	10	0	108	80	120				
Tetrachloroethene	9.01	0.500	10	0	90	80	120				
2-Hexanone	16.5	5.00	20	0	83	44	152				
Dibromochloromethane	7.97	0.500	10	0	80	75	123				
1,2-Dibromoethane	9.03	0.500	10	0	90	80	120				
Chlorobenzene	9.57	0.500	10	0	96	80	120				
Ethylbenzene	9.50	0.500	10	0	95	80	120				
Xylenes (total)	27.0	1.00	30	0	90	80	120				
Styrene	8.96	0.500	10	0	90	79	120				
Bromoform	9.46	1.00	10	0	95	72	126				
Isopropylbenzene	9.79	0.500	10	0	98	80	121				
1,1,2,2-Tetrachloroethane	10.8	0.500	10	0	108	73	122				
1,3-Dichlorobenzene	9.48	0.500	10	0	95	80	120				
1,4-Dichlorobenzene	9.72	0.500	10	0	97	80	120				
1,2-Dichlorobenzene	9.57	0.500	10	0	96	80	120				
1,2-Dibromo-3-chloropropane	8.54	5.00	10	0	85	71	124				
1,2,4-Trichlorobenzene	7.57	1.00	10	0	76	73	123				
Surr: 1,2-Dichloroethane-d4	11.0	0.100	10	0	110	75	134				
Surr: Toluene-d8	9.46	0.100	10	0	95	75	125				
Surr: 4-Bromofluorobenzene	9.78	0.100	10	0	98	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

4A

SAMPLE NO.

MB-15252

VOLATILE METHOD BLANK SUMMARY

Lab Name: Life Science Laboratorie Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: J7475.D Lab Sample ID: MB-15252

Date Analyzed: 10/22/08 Time Analyzed: 13:55

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MS03_10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB-15252	MSB-15252	J7472.D	12:14
02	LCS-15252	LCS-15252	J7473.D	12:48
03	MW-2	0810110-002A	J7476.D	14:29
04	MW-3	0810110-003A	J7477.D	15:03
05	MW-4	0810110-004A	J7478.D	15:36
06	MW-4FD	0810110-005A	J7479.D	16:10
07	Trip Blank	0810110-006A	J7480.D	16:44
08	MW-1	0810110-001A	J7481.D	17:18
09	MW-2MS	0810110-002AMS	J7482.D	17:51
10	MW-2MSD	0810110-002AMSD	J7483.D	18:25

COMMENTS: _____

_____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: TA\J7030.D BFB Injection Date: 9/11/08

Instrument ID: MS03 10 BFB Injection Time: 15:05

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.5
75	30.0 - 66.0% of mass 95	56.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (1.2)1
174	50.0 - 120.0% of mass 95	68.8
175	4.0 - 9.0% of mass 174	4.5 (6.5)1
176	93.0 - 101.0% of mass 174	66.2 (96.3)1
177	5.0 - 9.0% of mass 176	4.8 (7.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL 0.5 PPB	ICAL 0.5 PPB	J7031.D	09/11/08	15:39
02	ICAL 1.0 PPB	ICAL 1.0 PPB	J7032.D	09/11/08	16:13
03	ICAL 2.0 PPB	ICAL 2.0 PPB	J7033.D	09/11/08	16:47
04	ICAL 10 PPB	ICAL 10 PPB	J7034.D	09/11/08	17:20
05	ICAL 20 PPB	ICAL 20 PPB	J7035.D	09/11/08	17:54
06	ICAL 30 PPB	ICAL 30 PPB	J7036.D	09/11/08	18:28
07	ICAL 40 PPB	ICAL 40 PPB	J7037.D	09/11/08	19:02
08	2SRC-14785	2SRC-14785	J7039.D	09/11/08	20:09

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: TA\J7469.D BFB Injection Date: 10/22/08

Instrument ID: MS03_10 BFB Injection Time: 10:10

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.1
75	30.0 - 66.0% of mass 95	54.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.3 (0.5)1
174	50.0 - 120.0% of mass 95	65.5
175	4.0 - 9.0% of mass 174	5.3 (8.1)1
176	93.0 - 101.0% of mass 174	62.4 (95.3)1
177	5.0 - 9.0% of mass 176	4.5 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV-15252	CCV-15252	J7469.D	10/22/08	10:10
02	MSB-15252	MSB-15252	J7472.D	10/22/08	12:14
03	LCS-15252	LCS-15252	J7473.D	10/22/08	12:48
04	MB-15252	MB-15252	J7475.D	10/22/08	13:55
05	MW-2	0810110-002A	J7476.D	10/22/08	14:29
06	MW-3	0810110-003A	J7477.D	10/22/08	15:03
07	MW-4	0810110-004A	J7478.D	10/22/08	15:36
08	MW-4FD	0810110-005A	J7479.D	10/22/08	16:10
09	Trip Blank	0810110-006A	J7480.D	10/22/08	16:44
10	MW-1	0810110-001A	J7481.D	10/22/08	17:18
11	MW-2MS	0810110-002AMS	J7482.D	10/22/08	17:51
12	MW-2MSD	0810110-002AMSD	J7483.D	10/22/08	18:25

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INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): J7469.D Date Analyzed: 10/22/2008

Instrument ID: MS03_10 Time Analyzed: 10:10

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	1517591	10.30	659090	15.19	389665	19.27		
UPPER LIMIT	3035182	10.80	1318180	15.69	779330	19.77		
LOWER LIMIT	758796	9.80	329545	14.69	194833	18.77		
SAMPLE NO.								
01 MSB-15252 (MSB-15252)	1421405	10.29	622092	15.18	364354	19.27		
02 LCS-15252 (LCS-15252)	1444341	10.29	615160	15.18	368150	19.27		
03 MB-15252 (MB-15252)	1349636	10.29	526610	15.19	252654	19.27		
04 MW-2 (0810110-002A)	1302366	10.30	519174	15.20	257688	19.27		
05 MW-3 (0810110-003A)	1346119	10.30	520733	15.19	254116	19.27		
06 MW-4 (0810110-004A)	1316655	10.29	531520	15.19	253074	19.27		
07 MW-4FD (0810110-005A)	1356514	10.30	537752	15.19	257614	19.27		
08 Trip Blank (0810110-006A)	1319083	10.29	510679	15.19	255334	19.26		
09 MW-1 (0810110-001A)	1341372	10.29	538256	15.19	264404	19.27		
10 MW-2MS (0810110-002AMS)	1357344	10.29	590803	15.19	333138	19.26		
11 MW-2MSD (0810110-002AMSD)	1418381	10.29	611446	15.18	353794	19.26		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

GC/MS Volatile Combined MDL Study Summary

Instrument ID(s): MS1,3,4/HP5973,MS2/HP5970 **Column ID(s)**:Rtx-VMS, 0.18(or 0.25)mm x 40 (60) , 1.0(1.4) df, Rtx-502.2, 0.53 mm x 105m, 3.0 df MDL Sample Size = 10 & 25 mL

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)	MDL VER (ug/L)
8260B/624/524.2	5030B	Water	Dichlorodifluoromethane	01/25/06	88.67	22.53	33.99	47.24	48.96	37.05	56.51	50.00	21.185	66.58	0.067	0.25
8260B/624/524.2	5030B	Water	Chloromethane	01/30/08	418.10	454.51	537.19	422.72	391.27	407.41	440.68	500.00	48.067	151.07	0.151	0.50
8260B/624/524.2	5030B	Water	Vinyl chloride	01/30/08	282.62	285.24	364.29	297.86	273.40	268.44	290.44	500.00	32.274	101.44	0.101	0.50
8260B/624/524.2	5030B	Water	Bromomethane	01/30/08	466.20	411.61	539.84	368.53	476.24	471.04	385.12	500.00	60.062	188.77	0.189	
8260B/624/524.2	5030B	Water	Chloroethane	02/02/06	1334.01	1435.58	1450.68	1413.36	1401.82	1412.77	1411.37	2000.00	36.869	115.88	0.116	0.50
8260B/624/524.2	5030B	Water	Trichlorofluoromethane	01/30/08	190.93	200.03	238.94	206.88	178.88	195.56	206.62	500.00	18.753	58.94	0.059	0.10
8260B/624/524.2	5030B	Water	Acetone	02/02/06	3622.29	4110.57	4398.53	4315.36	4168.47	4219.44	3927.93	4000.00	261.986	823.42	0.823	2.50
8260B/624/524.2	5030B	Water	Acrolein	02/02/06	13444.17	15063.64	15687.09	15045.86	15431.19	15324.60	15365.64	25000.00	742.192	2332.71	2.333	2.50
8260B/624/524.2	5030B	Water	1,1-Dichloroethene	01/30/08	74.23	96.53	86.42	73.39	83.88	47.35	21.50	150.00	25.995	81.70	0.082	0.25
8260B/624/524.2	5030B	Water	Methyl iodide	01/30/08	117.26	136.20	169.83	138.11	130.91	127.46	115.75	450.00	18.121	56.95	0.057	0.50
8260B/624/524.2	5030B	Water	1,1,2-Trichloro-1,2,2-trifluoroethane	01/25/06	117.60	110.28	117.08	108.44	109.38	79.26	94.71	150.00	13.733	43.16	0.043	0.16
8260B/624/524.2	5030B	Water	Methyl acetate	02/02/06	1763.96	1774.21	2022.26	1831.82	1842.17	1966.77	1907.58	2000.00	97.093	305.16	0.305	2.50
8260B/624/524.2	5030B	Water	Acrylonitrile	02/02/06	8088.76	8539.66	8860.54	8378.87	8180.94	8233.37	8550.16	10000.00	266.793	838.53	0.839	1.25
8260B/624/524.2	5030B	Water	Methylene chloride	01/30/08	632.44	598.58	554.75	634.15	606.79	564.86	626.71	450.00	32.184	101.15	0.101	0.16
8260B/624/524.2	5030B	Water	Carbon disulfide	01/30/08	320.35	323.78	401.76	333.89	291.77	299.80	313.50	450.00	36.175	113.70	0.114	0.16
8260B/624/524.2	5030B	Water	trans-1,2-Dichloroethene	01/24/06	30.31	26.04	9.13	9.80	8.75	19.66	18.80	50.00	8.653	27.20	0.027	0.16
8260B/624/524.2	5030B	Water	Methyl tert-Butyl ether	01/25/06	108.61	106.25	104.36	87.94	91.43	105.73	96.76	150.00	8.106	25.48	0.025	0.50
8260B/624/524.2	5030B	Water	1,1-Dichloroethane	01/25/06	110.03	108.86	124.41	116.71	122.89	111.93	116.17	150.00	6.080	19.11	0.019	0.16
8260B/624/524.2	5030B	Water	Vinyl acetate	02/02/06	1122.90	890.72	1071.91	1020.14	922.71	719.67	967.82	2000.00	133.345	419.10	0.419	1.00
8260B/624/524.2	5030B	Water	2-Butanone	02/02/06	3112.51	3775.95	3327.22	3468.67	3542.45	3471.31	3333.68	4000.00	206.600	649.34	0.649	2.50
8260B/624/524.2	5030B	Water	cis-1,2-Dichloroethene	01/30/08	117.16	108.34	124.63	120.43	91.85	92.37	115.27	150.00	13.196	41.48	0.041	0.16
8260B/624/524.2	5030B	Water	Bromochloromethane	01/25/06	36.59	40.21	64.75	49.87	69.08	12.92	46.56	50.00	18.776	59.01	0.059	0.16
8260B/624/524.2	5030B	Water	Chloroform	01/25/06	77.91	93.45	81.36	95.87	104.85	88.45	94.66	50.00	9.180	28.85	0.029	0.10
8260B/624/524.2	5030B	Water	2,2-Dichloropropane	01/25/06	111.59	103.71	66.32	64.97	55.85	50.10	45.87	150.00	26.055	81.89	0.082	0.50
8260B/624/524.2	5030B	Water	Cyclohexane	01/25/06	114.25	107.55	90.92	92.43	93.87	58.72	79.81	150.00	18.221	57.27	0.057	0.25
8260B/624/524.2	5030B	Water	Dibromofluoromethane	01/25/06	74.18	69.81	58.38	61.55	80.73	77.19	67.79	50.00	8.120	25.52	0.026	*
8260B/624/524.2	5030B	Water	1,2-Dichloroethane-d4	01/25/06	93.21	91.50	92.62	72.75	62.23	84.71	85.54	50.00	11.651	36.62	0.037	0.10
8260B/624/524.2	5030B	Water	1,2-Dichloroethane	01/25/06	50.54	59.35	58.37	58.15	67.75	73.60	56.47	50.00	7.648	24.04	0.024	0.25
8260B/624/524.2	5030B	Water	1,1,1-Trichloroethane	01/30/08	233.33	253.78	283.28	245.86	234.12	230.80	241.48	450.00	18.273	57.43	0.057	0.16
8260B/624/524.2	5030B	Water	1,1-Dichloropropene	01/24/06	42.88	60.93	44.16	58.42	60.67	48.80	50.93	50.00	7.649	24.04	0.024	0.25
8260B/624/524.2	5030B	Water	Carbon tetrachloride	01/25/06	93.74	85.94	110.61	92.32	92.63	77.70	87.86	150.00	10.056	31.61	0.032	0.25

4-23-08

GC/MS Volatile Combined MDL Study Summary

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)	MDL VER
8260B/624/524.2	5030B	Water	Benzene	01/30/08	111.65	109.98	115.47	115.79	109.51	115.19	102.19	150.00	4.842	15.22	0.015	0.16
8260B/624/524.2	5030B	Water	Trichloroethene	01/30/08	99.35	91.33	120.54	110.51	95.28	98.09	111.19	150.00	10.491	32.97	0.033	0.10
8260B/624/524.2	5030B	Water	Dibromomethane	01/30/08	126.40	123.97	105.88	125.79	119.27	87.23	101.59	150.00	14.987	47.10	0.047	0.16
8260B/624/524.2	5030B	Water	Methylcyclohexane	01/25/06	98.21	80.48	80.37	87.75	85.38	62.19	82.24	150.00	10.830	34.04	0.034	0.25
8260B/624/524.2	5030B	Water	1,2-Dichloropropane	01/25/06	102.32	80.06	82.49	98.58	94.99	90.63	97.65	150.00	8.411	26.44	0.026	0.16
8260B/624/524.2	5030B	Water	Bromodichloromethane	01/30/08	384.84	391.73	396.59	380.08	391.17	346.22	381.14	450.00	16.751	52.65	0.053	0.16
8260B/624/524.2	5030B	Water	2-Chloroethylvinyl ether	02/02/06	2410.17	2886.41	2932.47	3004.78	3050.47	2842.45	3018.27	2000.00	219.340	689.39	0.689	2.50
8260B/624/524.2	5030B	Water	4-Methyl-2-pentanone	02/02/06	3072.77	3394.51	3381.85	3308.72	3298.16	3263.77	3431.02	4000.00	119.342	375.09	0.375	1.00
8260B/624/524.2	5030B	Water	cis-1,3-Dichloropropene	01/30/08	101.69	100.87	104.60	106.74	92.04	85.36	83.66	150.00	9.357	29.41	0.029	0.25
8260B/624/524.2	5030B	Water	Toluene-d8	01/24/06	55.34	52.51	48.28	47.46	53.24	44.15	52.29	50.00	3.930	12.35	0.012	0.10
8260B/624/524.2	5030B	Water	Toluene	01/25/06	36.36	33.60	25.63	24.80	28.99	40.24	31.24	50.00	5.629	17.69	0.018	0.10
8260B/624/524.2	5030B	Water	trans-1,3-Dichloropropene	01/25/06	30.30	48.86	32.58	32.98	45.86	33.01	22.46	50.00	9.157	28.78	0.029	0.25
8260B/624/524.2	5030B	Water	1,1,2-Trichloroethane	01/30/08	111.86	128.71	148.83	113.70	109.55	101.59	98.35	150.00	17.428	54.78	0.055	0.25
8260B/624/524.2	5030B	Water	2-Hexanone	02/02/06	2496.97	2892.23	3038.73	2673.97	2804.55	2977.37	2790.57	4000.00	184.386	579.52	0.580	1.00
8260B/624/524.2	5030B	Water	1,2-Dibromoethane	01/25/06	108.85	93.59	98.33	89.43	95.46	109.03	77.66	150.00	11.000	34.57	0.035	0.25
8260B/624/524.2	5030B	Water	1,3-Dichloropropane	01/25/06	110.55	107.96	108.81	88.91	105.59	107.17	101.35	150.00	7.396	23.25	0.023	0.16
8260B/624/524.2	5030B	Water	Dibromochloromethane	01/25/06	39.88	77.64	73.94	56.94	69.23	56.69	68.01	50.00	12.966	40.75	0.041	0.16
8260B/624/524.2	5030B	Water	Tetrachloroethene	01/25/06	82.06	81.78	78.32	59.51	78.33	61.76	76.81	50.00	9.403	29.55	0.030	0.10
8260B/624/524.2	5030B	Water	1-Chlorohexane	01/25/06	106.83	97.49	108.89	90.44	90.99	63.56	90.45	150.00	14.983	47.09	0.047	0.25
8260B/624/524.2	5030B	Water	1,1,1,2-Tetrachloroethane	01/30/08	117.93	131.60	144.15	94.98	89.35	111.59	103.11	150.00	19.681	61.86	0.062	0.25
8260B/624/524.2	5030B	Water	Chlorobenzene	01/24/06	40.53	37.21	39.17	44.54	39.90	33.39	39.66	50.00	3.384	10.64	0.011	0.16
8260B/624/524.2	5030B	Water	Ethylbenzene	01/30/08	313.54	308.52	342.92	307.40	317.59	296.55	308.87	450.00	14.451	45.42	0.045	0.10
8260B/624/524.2	5030B	Water	(m+p)-Xylene	01/30/08	489.24	497.08	530.30	475.90	492.83	474.71	477.37	900.00	19.438	61.09	0.061	0.10
8260B/624/524.2	5030B	Water	o-Xylene	01/30/08	87.53	76.39	83.88	77.75	76.86	70.05	81.20	150.00	5.692	17.89	0.018	0.16
8260B/624/524.2	5030B	Water	Styrene	01/25/06	23.81	23.40	34.65	26.68	12.72	24.65	25.54	50.00	6.446	20.26	0.020	0.16
8260B/624/524.2	5030B	Water	Bromoform	01/27/06	164.36	157.47	168.08	189.50	179.09	165.41	198.69	150.00	14.987	47.11	0.047	0.50
8260B/624/524.2	5030B	Water	Bromofluorobenzene	01/25/06	74.85	79.70	50.53	65.68	66.53	82.02	62.08	50.00	10.985	34.53	0.035	0.10
8260B/624/524.2	5030B	Water	trans-1,4-Dichloro-2-butene	02/07/06	1375.94	1270.01	1174.42	1244.06	1060.29	809.85	1192.92	1000.00	182.405	573.30	0.573	1.00
8260B/624/524.2	5030B	Water	1,1,2,2-Tetrachloroethane	01/25/06	113.79	113.22	71.69	71.15	47.87	67.54	59.69	150.00	25.692	80.75	0.081	0.16
8260B/624/524.2	5030B	Water	Isopropylbenzene	01/25/06	32.07	33.16	19.88	36.45	40.51	30.69	36.48	50.00	6.562	20.62	0.021	0.16
8260B/624/524.2	5030B	Water	1,2,3-Trichloropropane	01/25/06	80.61	48.41	74.81	94.05	69.11	58.85	74.00	50.00	14.762	46.40	0.046	1.00
8260B/624/524.2	5030B	Water	Bromobenzene	01/25/06	24.28	39.94	19.48	30.07	33.32	35.33	45.63	50.00	8.939	28.09	0.028	0.16
8260B/624/524.2	5030B	Water	n-Propylbenzene	01/24/06	50.73	45.79	45.54	50.47	43.33	47.61	44.47	50.00	2.876	9.04	0.009	0.10

GC/MS Volatile Combined MDL Study Summary

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)	MDL VER
8260B/624/524.2	5030B	Water	2-Chlorotoluene	01/30/08	111.47	108.29	97.57	105.38	99.28	113.12	100.30	150.00	6.175	19.41	0.019	0.10
8260B/624/524.2	5030B	Water	4-Chlorotoluene	01/25/06	33.22	31.01	30.84	33.96	35.47	22.59	21.56	50.00	5.531	17.39	0.017	0.10
8260B/624/524.2	5030B	Water	1,3,5-Trimethylbenzene	01/24/06	30.63	27.96	36.71	25.61	24.17	31.88	30.94	50.00	4.216	13.25	0.013	0.16
8260B/624/524.2	5030B	Water	tert-Butylbenzene	01/25/06	28.97	22.53	30.03	23.18	36.01	26.24	33.57	50.00	5.059	15.90	0.016	0.16
8260B/624/524.2	5030B	Water	1,2,4-Trimethylbenzene	01/30/08	71.43	74.20	68.15	72.16	64.02	63.47	65.49	150.00	4.262	13.39	0.013	0.16
8260B/624/524.2	5030B	Water	sec-Butylbenzene	01/25/06	109.56	113.11	113.82	112.30	104.70	99.58	104.70	150.00	5.372	16.88	0.017	0.16
8260B/624/524.2	5030B	Water	1,3-Dichlorobenzene	01/25/06	58.83	44.51	52.46	56.00	54.15	42.77	45.27	50.00	6.321	19.87	0.020	0.16
8260B/624/524.2	5030B	Water	p-Isopropyltoluene	01/30/08	156.81	155.44	177.32	133.68	140.78	143.36	143.48	450.00	14.492	45.55	0.046	0.16
8260B/624/524.2	5030B	Water	1,4-Dichlorobenzene	01/30/08	131.85	134.65	126.03	136.05	134.49	130.03	118.15	150.00	6.295	19.79	0.020	0.16
8260B/624/524.2	5030B	Water	n-Butylbenzene	01/30/08	56.94	67.53	51.25	56.67	56.05	57.54	57.98	150.00	4.877	15.33	0.015	0.16
8260B/624/524.2	5030B	Water	1,2-Dichlorobenzene	01/30/08	327.73	339.08	358.84	328.32	345.66	321.38	332.60	450.00	12.759	40.10	0.040	0.16
8260B/624/524.2	5030B	Water	1,2-Dibromo-3-chloropropane	02/02/06	1775.69	1781.33	1849.51	1743.60	1759.14	1849.17	1983.15	2000.00	83.005	260.88	0.261	2.50
8260B/624/524.2	5030B	Water	1,2,4-Trichlorobenzene	01/30/08	75.26	81.97	74.94	77.11	99.47	74.07	82.14	150.00	8.903	27.98	0.028	0.50
8260B/624/524.2	5030B	Water	Hexachlorobutadiene	01/27/06	173.34	143.90	192.35	185.84	162.89	174.09	142.02	150.00	19.401	60.98	0.061	0.50
8260B/624/524.2	5030B	Water	Naphthalene	01/30/08	102.29	103.95	97.64	94.20	105.70	82.96	82.50	150.00	9.609	30.20	0.030	0.50
8260B/624/524.2	5030B	Water	1,2,3-Trichlorobenzene	01/30/08	67.18	65.58	70.42	61.35	77.92	59.28	55.10	150.00	7.582	23.83	0.024	0.50

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The GC/MS instrument **minimum** threshold quantitation level is set to 0.1 ug/L.

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

MDL Verifications:

MS1: 2/20/08

MS2: 2/8/08

MS3: 2/28/08

MS4:1/30/08

* not verified, surrogate no longer utilized.

Sample Data

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7481.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 17:18
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 17:18
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 17:18
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 17:18
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 17:18
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 17:18
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 17:18
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 17:18
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 17:18
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 17:18
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 17:18
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 17:18

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7481.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 17:18
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 17:18
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 17:18
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 17:18
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 17:18
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 17:18
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 17:18
Surr: 1,2-Dichloroethane-d4	119		75-134	0.10	%REC	1	10/22/08 17:18
Surr: Toluene-d8	97.1		75-125	0.10	%REC	1	10/22/08 17:18
Surr: 4-Bromofluorobenzene	103		75-125	0.10	%REC	1	10/22/08 17:18

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/23/08 9:32 398865 **Project Supervisor:** Anthony Crescenzi

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7481.D
Acq On : 22 Oct 2008 17:18
Sample : 0810110-001A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:23 2008

Vial: 49
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1341372	10.00	ug/L	-0.01
36) Chlorobenzene-d5	15.19	82	538256	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	264404	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	442698	11.90	ug/L	0.00
Spiked Amount 10.000			Recovery = 119.00%			
37) Toluene-d8	12.68	98	1260596	9.71	ug/L	0.00
Spiked Amount 10.000			Recovery = 97.10%			
49) Bromofluorobenzene	17.26	95	333158	10.32	ug/L	0.00
Spiked Amount 10.000			Recovery = 103.20%			

Target Compounds Qvalue

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

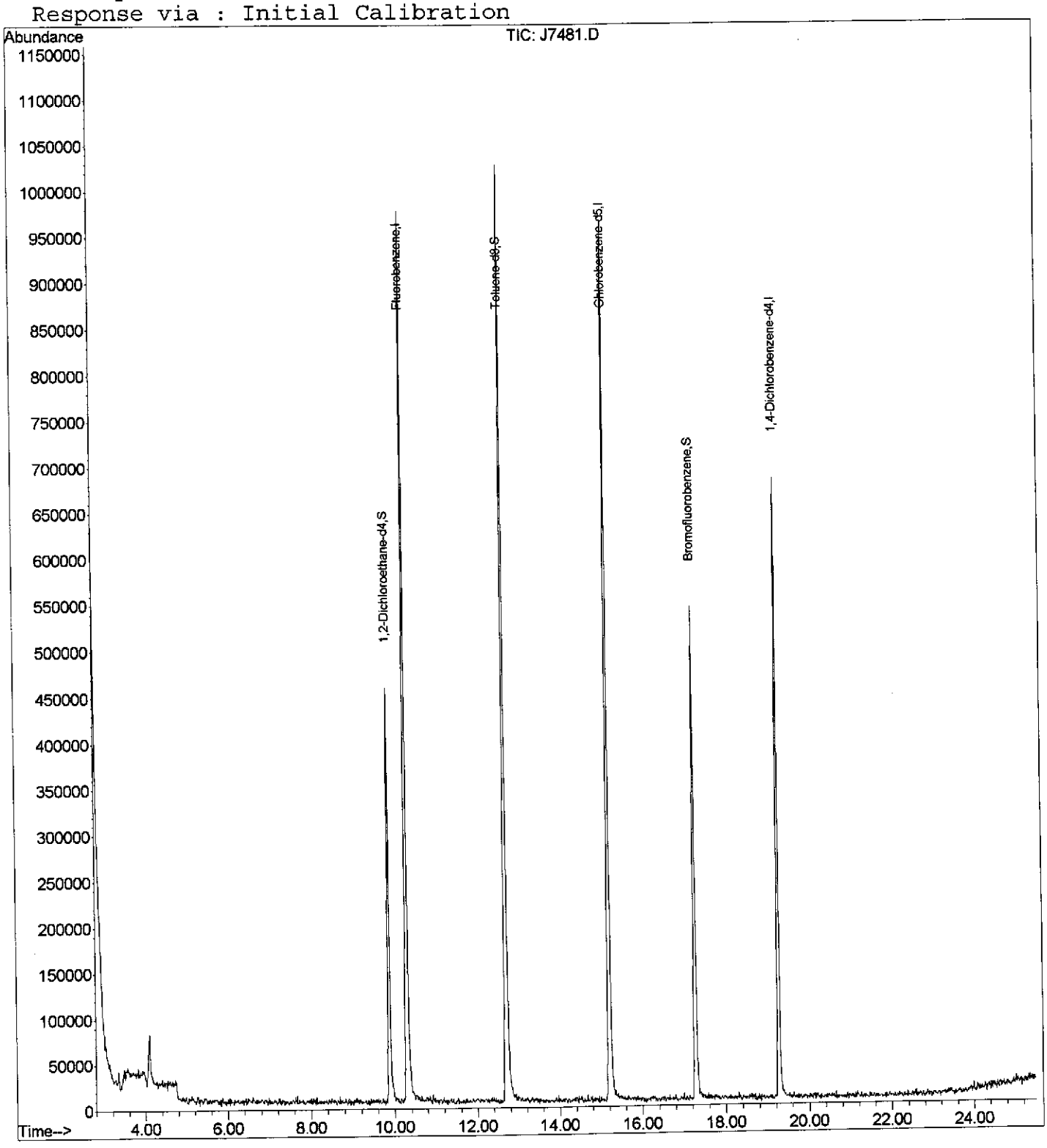
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7481.D
Acq On : 22 Oct 2008 17:18
Sample : 0810110-001A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:23 2008

Vial: 49
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-001A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7481.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

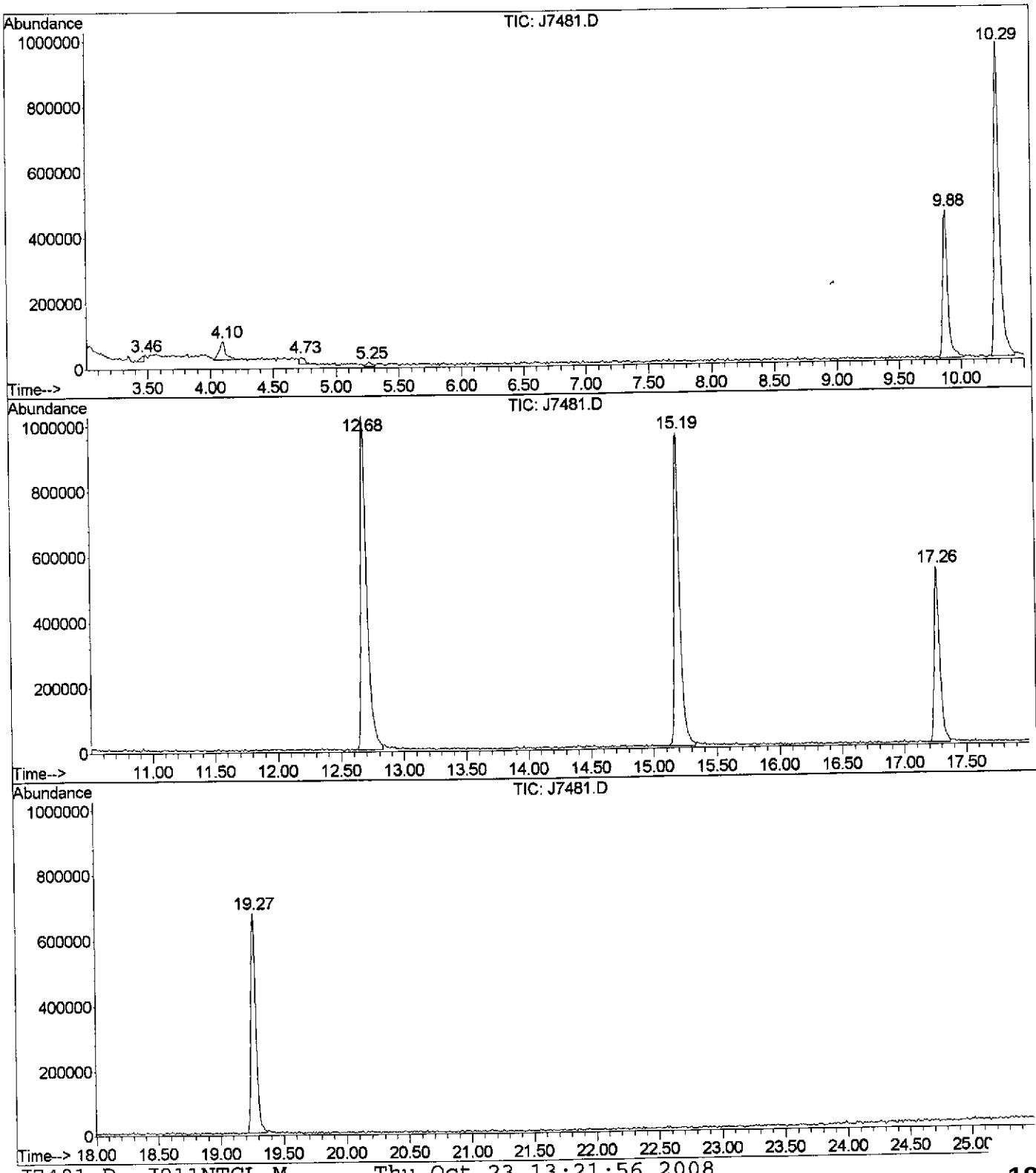
Operator ID: JK Date Acquired: 22 Oct 2008 17:18
Data File: C:\HPCHEM\1\DATA\J7481.D
Name: 0810110-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7481.D J911NTCL.M Thu Oct 23 13:21:56 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7481.D
Operator : JK
Acquired : 22 Oct 2008 17:18 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-001A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 49
Quant File :J911NTCL.RES (RTE Integrator)



J7481.D J911NTCL.M Thu Oct 23 13:21:56 2008

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7476.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 14:29
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 14:29
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 14:29
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 14:29
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 14:29
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 14:29
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 14:29
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 14:29
Chloroform	4.98		0.50	0.10	µg/L	1	10/22/08 14:29
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 14:29
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 14:29
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 14:29

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7476.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 14:29
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 14:29
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 14:29
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 14:29
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 14:29
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 14:29
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 14:29
Surr: 1,2-Dichloroethane-d4	119		75-134	0.10	%REC	1	10/22/08 14:29
Surr: Toluene-d8	96.9		75-125	0.10	%REC	1	10/22/08 14:29
Surr: 4-Bromofluorobenzene	105		75-125	0.10	%REC	1	10/22/08 14:29

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7476.D
Acq On : 22 Oct 2008 14:29
Sample : 0810110-002A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:20 2008

Vial: 44
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.30	96	1302366	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.20	82	519174	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	257688	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	429655	11.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	118.90%		
37) Toluene-d8	12.68	98	1212889	9.69	ug/L	0.00
Spiked Amount 10.000			Recovery =	96.90%		
49) Bromofluorobenzene	17.26	95	331173	10.52	ug/L	0.00
Spiked Amount 10.000			Recovery =	105.20%		
Target Compounds						Qvalue
16) 1,1-Dichloroethane	7.59	63	6860	0.11	ug/L	97
19) Chloroform	8.80	83	289181	4.98	ug/L	98

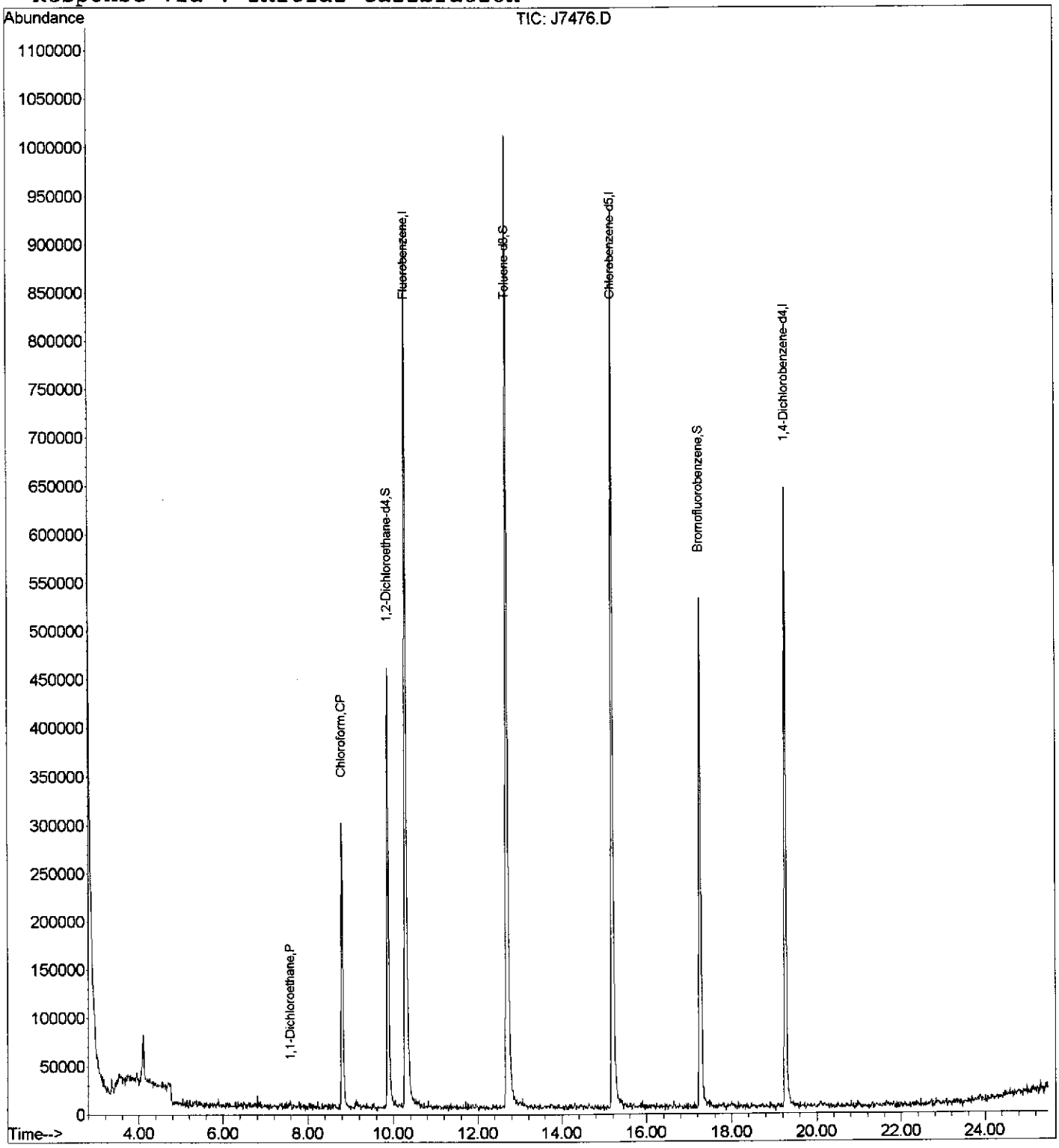
(#) = qualifier out of range (m) = manual integration

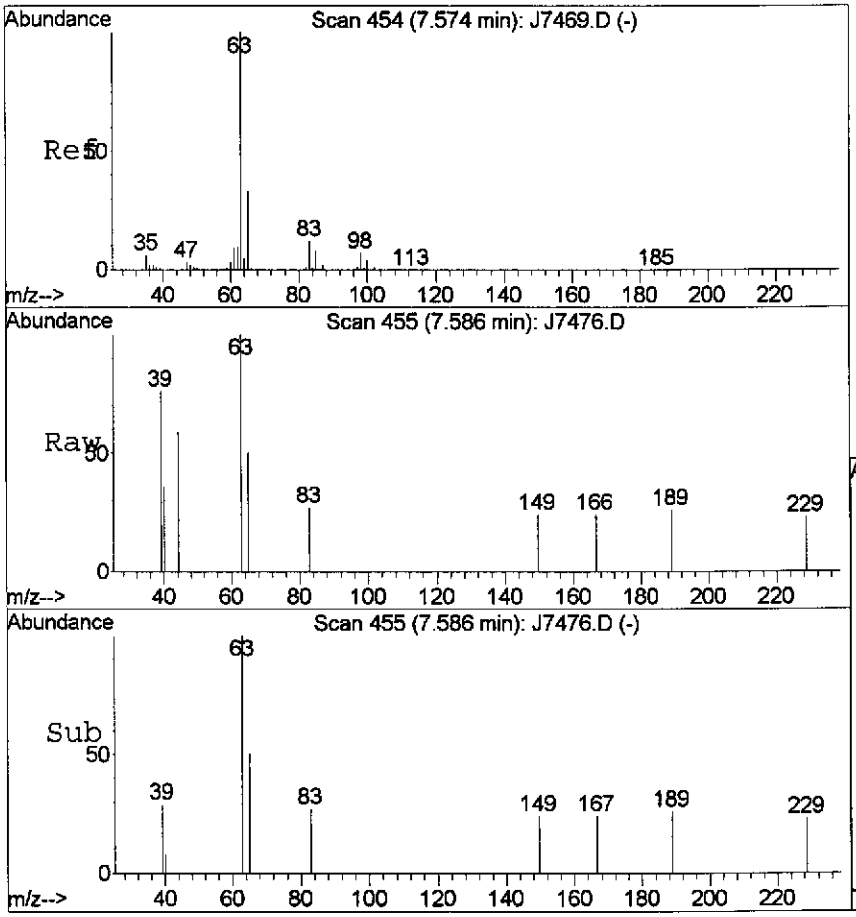
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7476.D
Acq On : 22 Oct 2008 14:29
Sample : 0810110-002A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:20 2008

Vial: 44
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

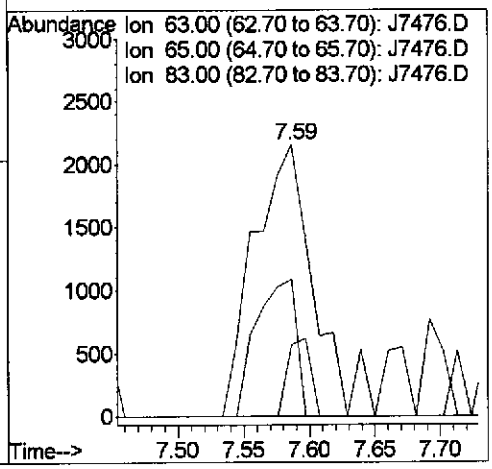


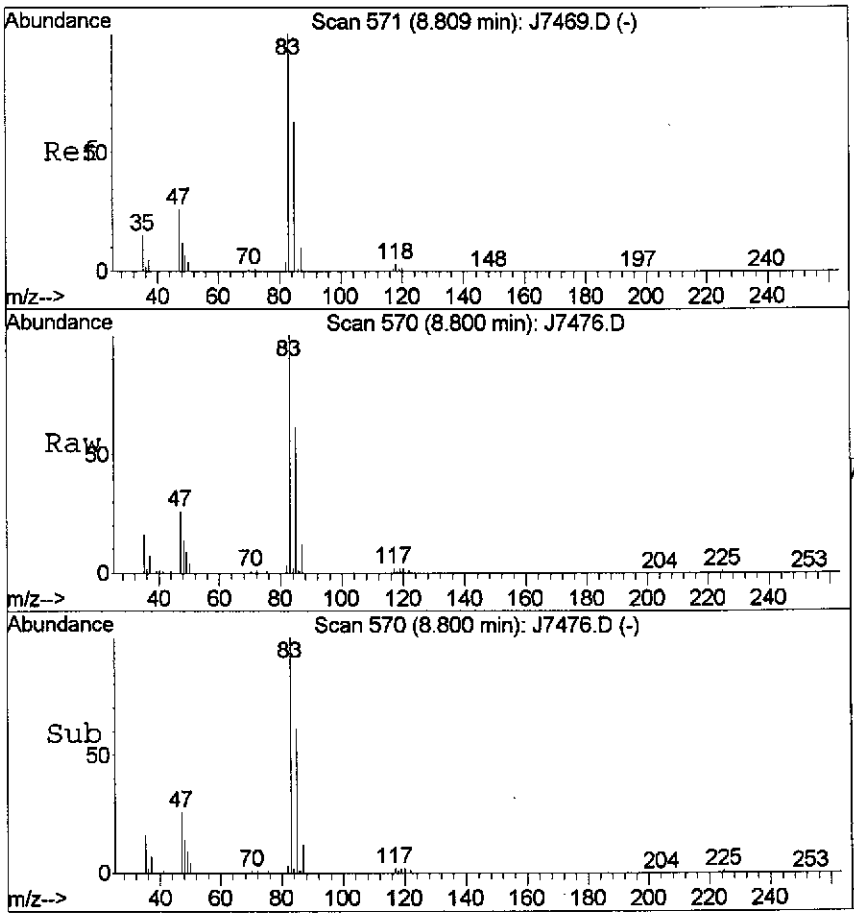


#16
1,1-Dichloroethane
Concen: 0.11 ug/L
RT: 7.59 min Scan# 455
Delta R.T. 0.01 min
Lab File: J7476.D
Acq: 22 Oct 2008 14:29

Tgt Ion: 63 Resp: 6860

Ion	Ratio	Lower	Upper
63	100		
65	33.6	2.1	62.1
83	11.0	0.0	42.9

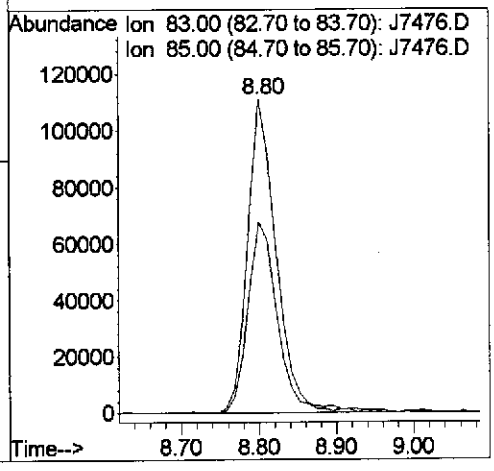




#19
Chloroform
Concen: 4.98 ug/L
RT: 8.80 min Scan# 570
Delta R.T. -0.01 min
Lab File: J7476.D
Acq: 22 Oct 2008 14:29

Tgt Ion: 83 Resp: 289181

Ion	Ratio	Lower	Upper
83	100		
85	61.3	32.8	92.8



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-002A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7476.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

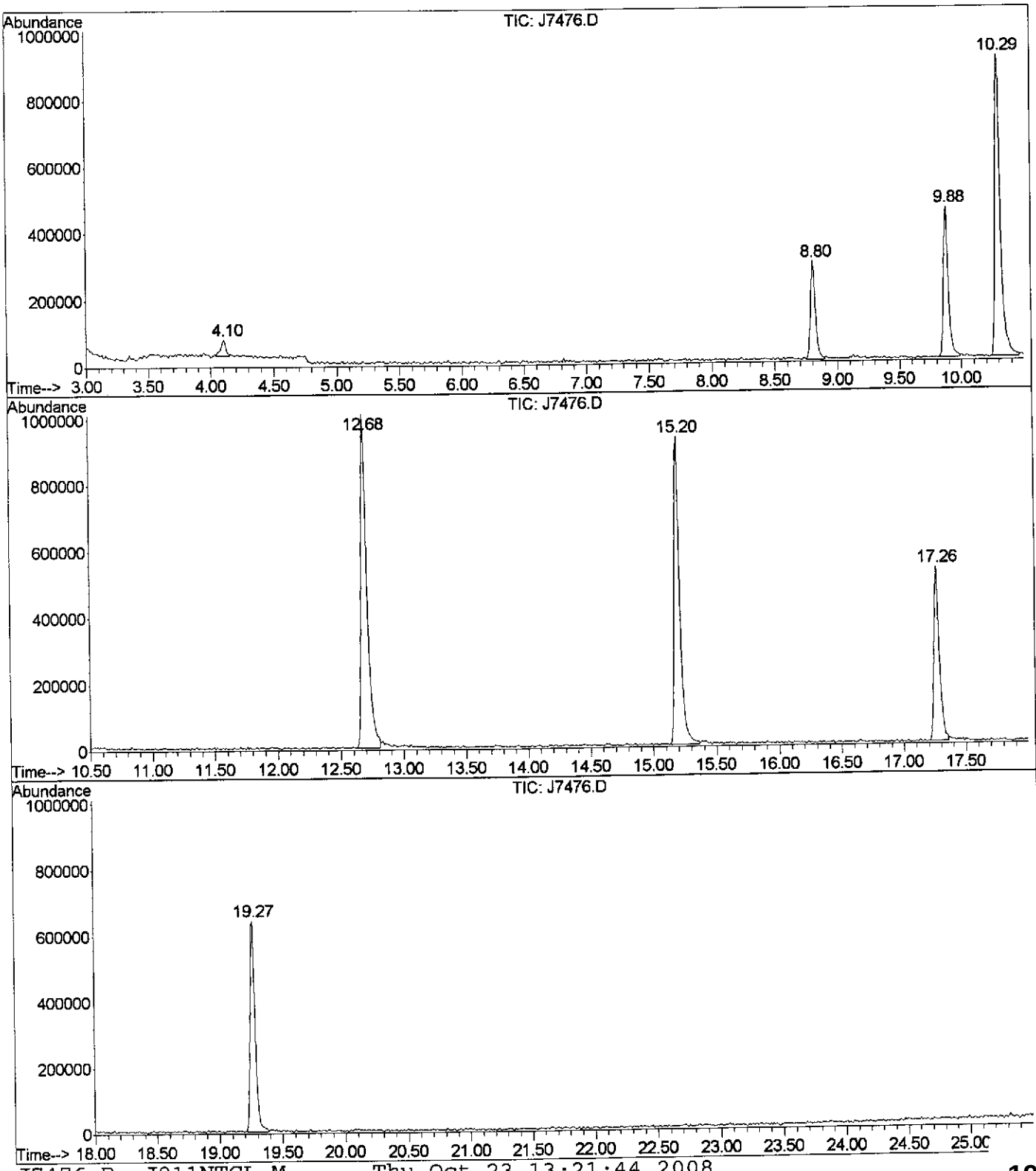
Operator ID: JK Date Acquired: 22 Oct 2008 14:29
Data File: C:\HPCHEM\1\DATA\J7476.D
Name: 0810110-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7476.D J911NTCL.M Thu Oct 23 13:21:44 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7476.D
Operator : JK
Acquired : 22 Oct 2008 14:29 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-002A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 44
Quant File :J911NTCL.RES (RTE Integrator)



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W_OLM42	**FileID:** 1-SAMP-J7477.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 15:03
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 15:03
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 15:03
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Acetone	4.20	J	10.0	2.50	µg/L	1	10/22/08 15:03
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 15:03
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 15:03
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 15:03
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 15:03
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 15:03
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 15:03
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:03
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:03

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7477.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 15:03
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 15:03
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 15:03
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 15:03
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:03
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 15:03
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 15:03
Surr: 1,2-Dichloroethane-d4	112		75-134	0.10	%REC	1	10/22/08 15:03
Surr: Toluene-d8	97.9		75-125	0.10	%REC	1	10/22/08 15:03
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	10/22/08 15:03

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7477.D
Acq On : 22 Oct 2008 15:03
Sample : 0810110-003A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:21 2008

Vial: 45
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.30	96	1346119	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	520733	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	254116	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	419438	11.23	ug/L	0.00
Spiked Amount 10.000			Recovery =	112.30%		
37) Toluene-d8	12.68	98	1229698	9.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.90%		
49) Bromofluorobenzene	17.26	95	335672	10.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.20%		
Target Compounds						Qvalue
12) Acetone	6.48	43	30305	4.20	ug/L	84

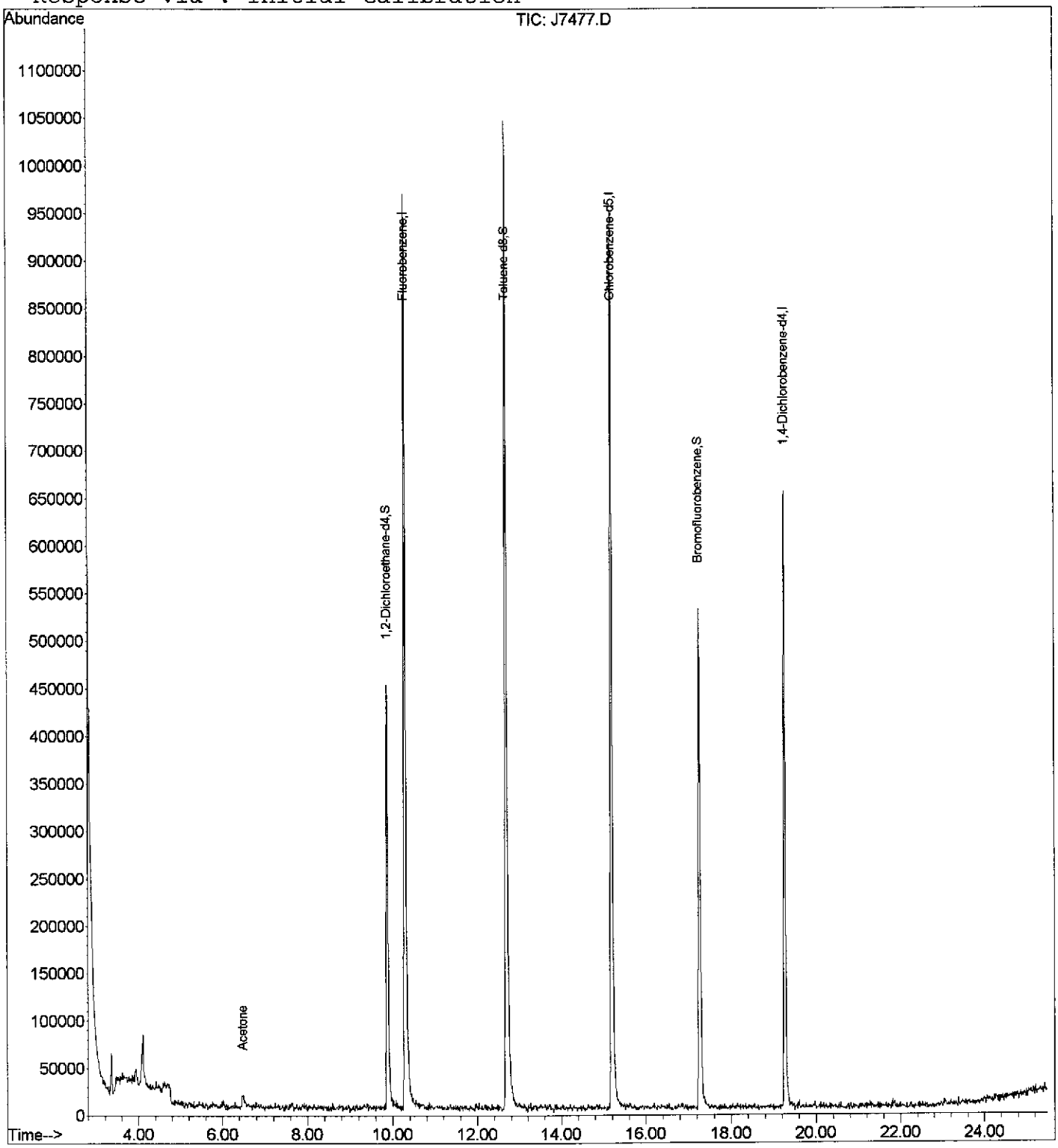
(#) = qualifier out of range (m) = manual integration

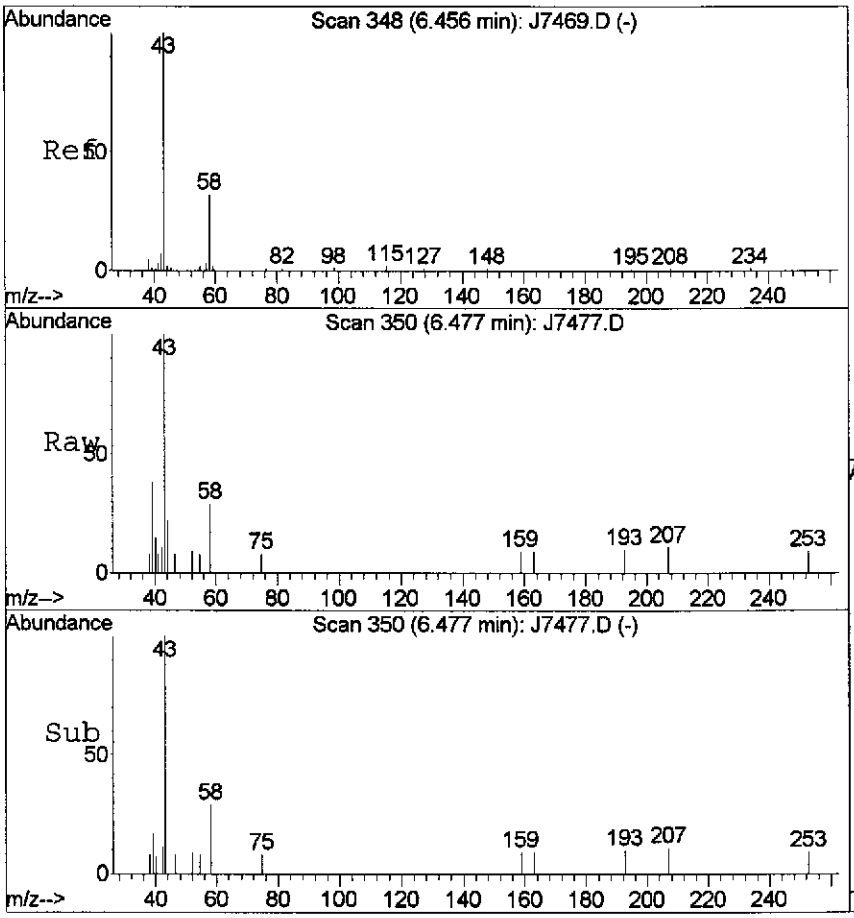
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7477.D
Acq On : 22 Oct 2008 15:03
Sample : 0810110-003A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:21 2008

Vial: 45
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

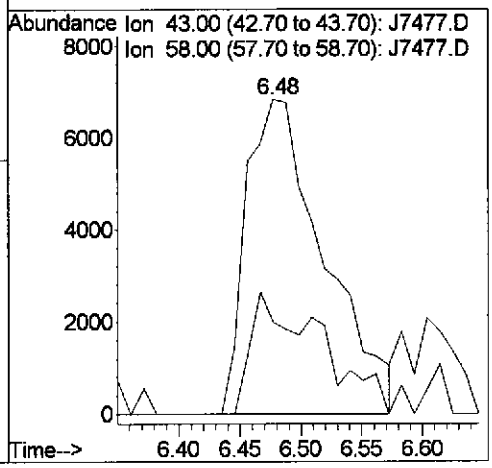




#12
Acetone
Concen: 4.20 ug/L
RT: 6.48 min Scan# 350
Delta R.T. 0.02 min
Lab File: J7477.D
Acq: 22 Oct 2008 15:03

Tgt Ion: 43 Resp: 30305

Ion	Ratio	Lower	Upper
43	100		
58	19.8	0.0	58.3



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-3

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-003A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7477.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

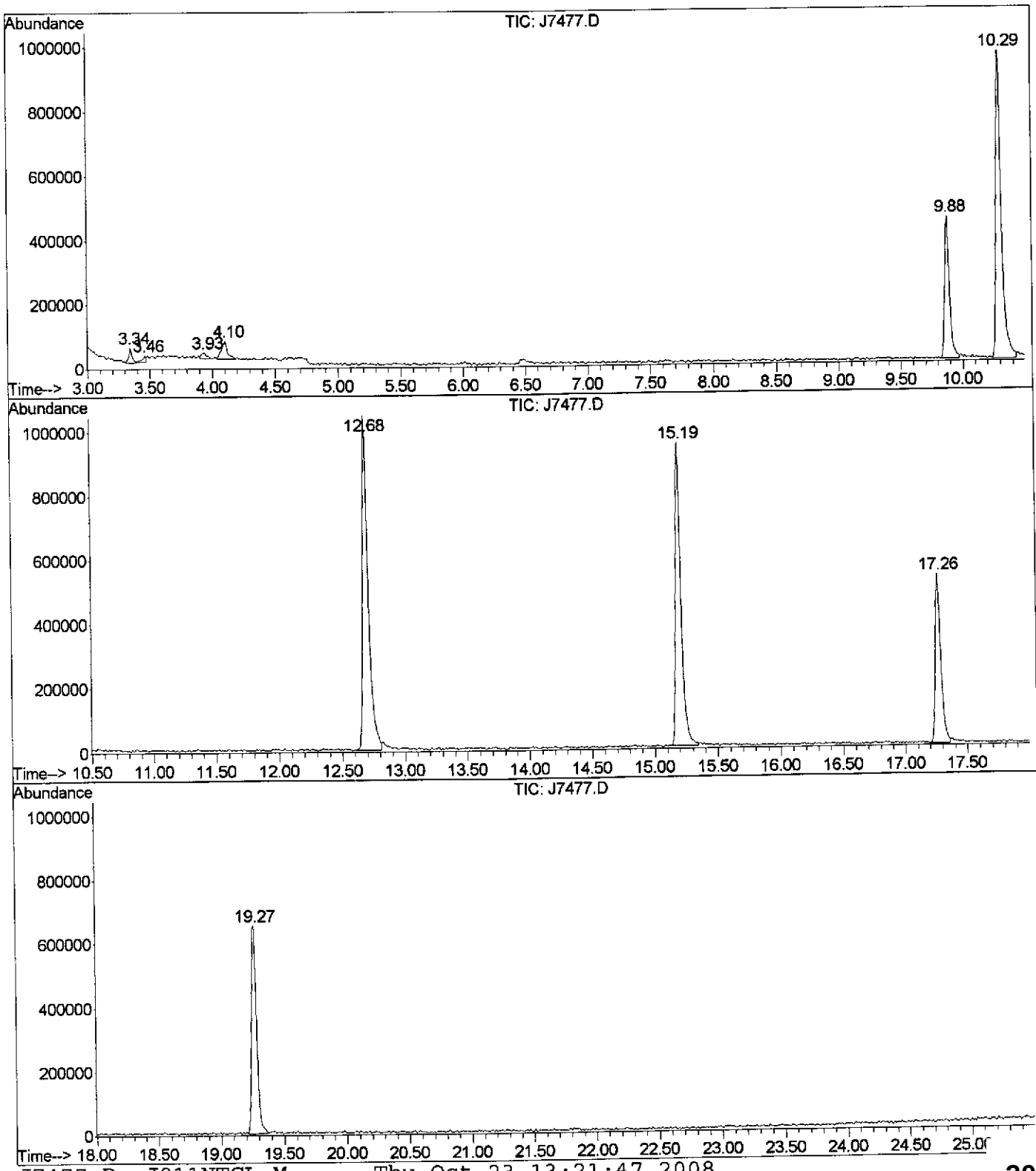
Operator ID: JK Date Acquired: 22 Oct 2008 15:03
Data File: C:\HPCHEM\1\DATA\J7477.D
Name: 0810110-003A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7477.D J911NTCL.M Thu Oct 23 13:21:47 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7477.D
Operator : JK
Acquired : 22 Oct 2008 15:03 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-003A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 45
Quant File :J911NTCL.RES (RTE Integrator)



J7477.D J911NTCL.M Thu Oct 23 13:21:47 2008

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7478.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 15:36
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 15:36
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 15:36
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Acetone	7.41	J	10.0	2.50	µg/L	1	10/22/08 15:36
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 15:36
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 15:36
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 15:36
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 15:36
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 15:36
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 15:36
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 15:36
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 15:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/23/08 9:32 398862 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** I-SAMP-J7478.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 15:36
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 15:36
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 15:36
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 15:36
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 15:36
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 15:36
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 15:36
Surr: 1,2-Dichloroethane-d4	116		75-134	0.10	%REC	1	10/22/08 15:36
Surr: Toluene-d8	96.1		75-125	0.10	%REC	1	10/22/08 15:36
Surr: 4-Bromofluorobenzene	106		75-125	0.10	%REC	1	10/22/08 15:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7478.D Vial: 46
Acq On : 22 Oct 2008 15:36 Operator: JK
Sample : 0810110-004A Inst : #3MS10
Misc : SAMP,8260W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:21 2008 Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1316655	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	531520	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	253074	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	425239	11.64	ug/L	0.00
Spiked Amount 10.000			Recovery = 116.40%			
37) Toluene-d8	12.68	98	1231959	9.61	ug/L	0.00
Spiked Amount 10.000			Recovery = 96.10%			
49) Bromofluorobenzene	17.26	95	327420	10.59	ug/L	0.00
Spiked Amount 10.000			Recovery = 105.90%			
Target Compounds						Qvalue
12) Acetone	6.47	43	52205	7.41	ug/L	96

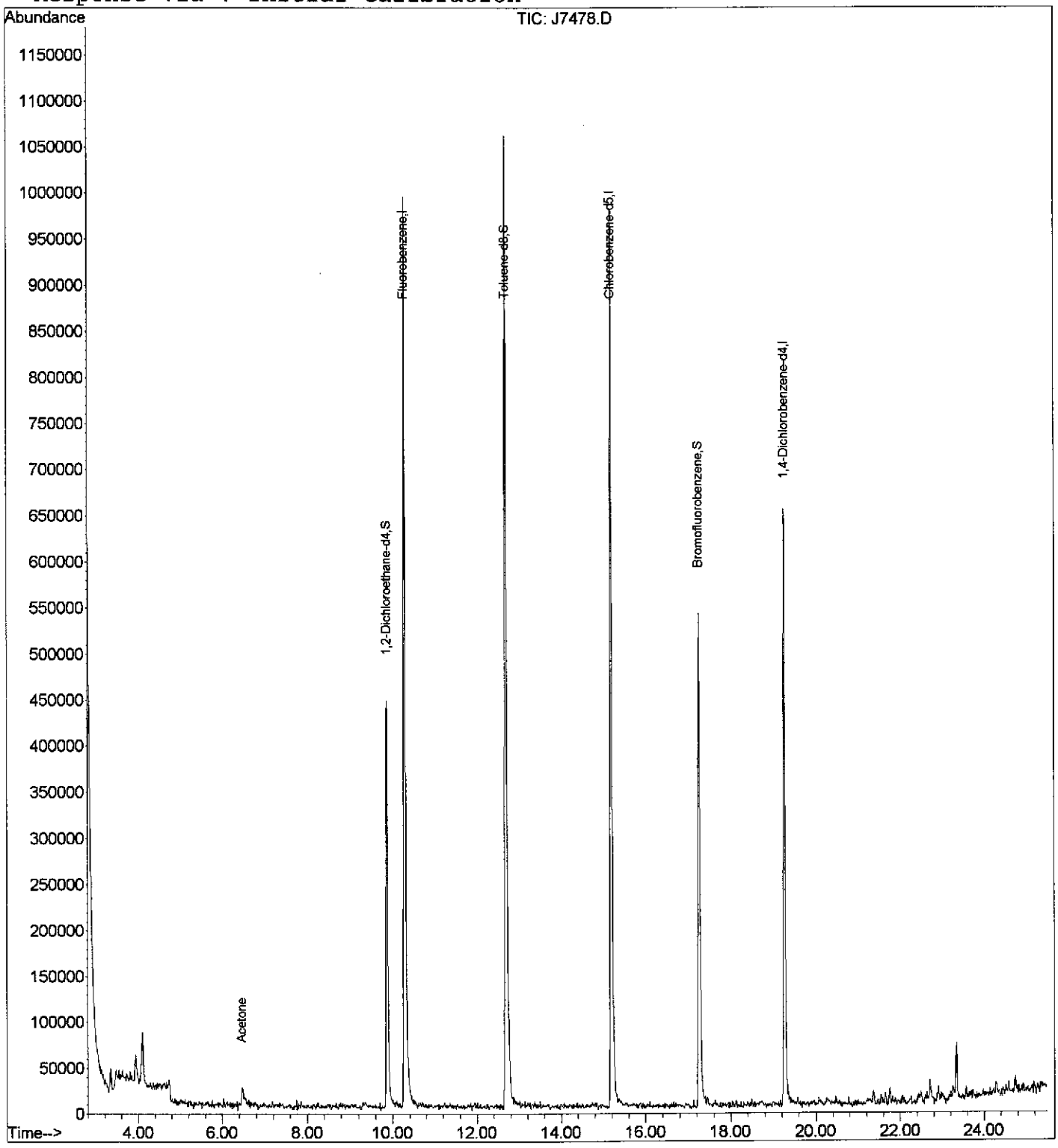
(#) = qualifier out of range (m) = manual integration

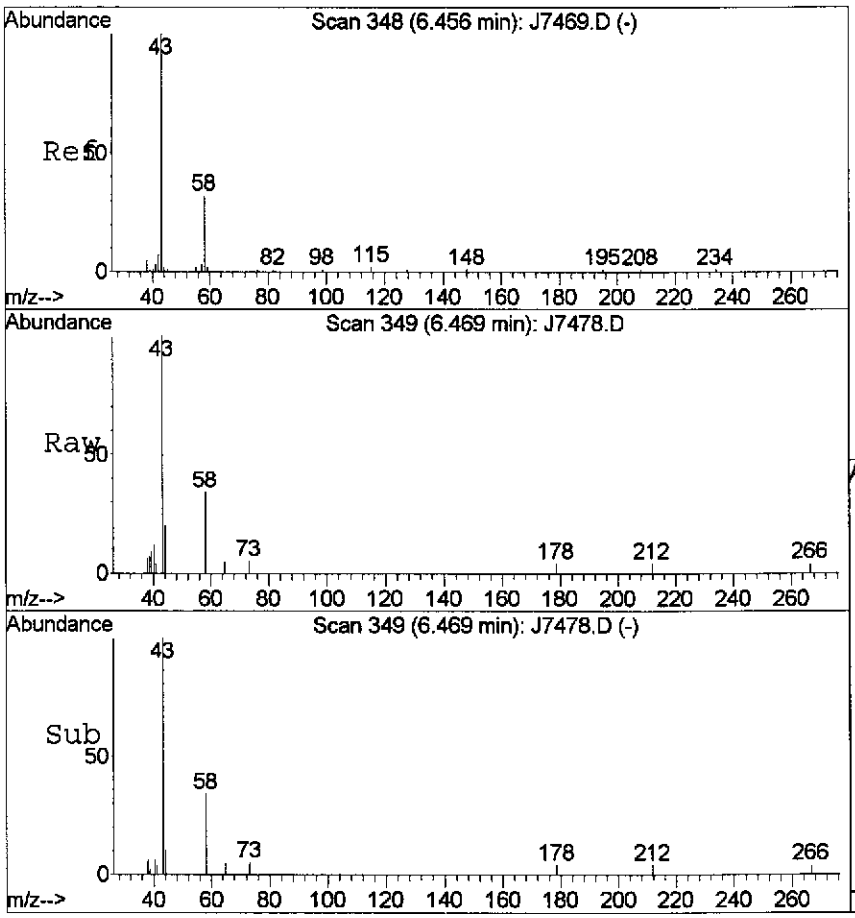
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7478.D
Acq On : 22 Oct 2008 15:36
Sample : 0810110-004A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:21 2008

Vial: 46
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

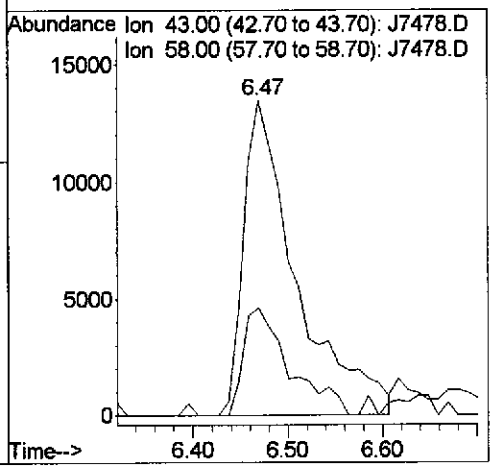




#12
Acetone
Concen: 7.41 ug/L
RT: 6.47 min Scan# 349
Delta R.T. 0.01 min
Lab File: J7478.D
Acq: 22 Oct 2008 15:36

Tgt Ion: 43 Resp: 52205

Ion	Ratio	Lower	Upper
43	100		
58	30.3	0.0	58.3



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-004A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7478.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

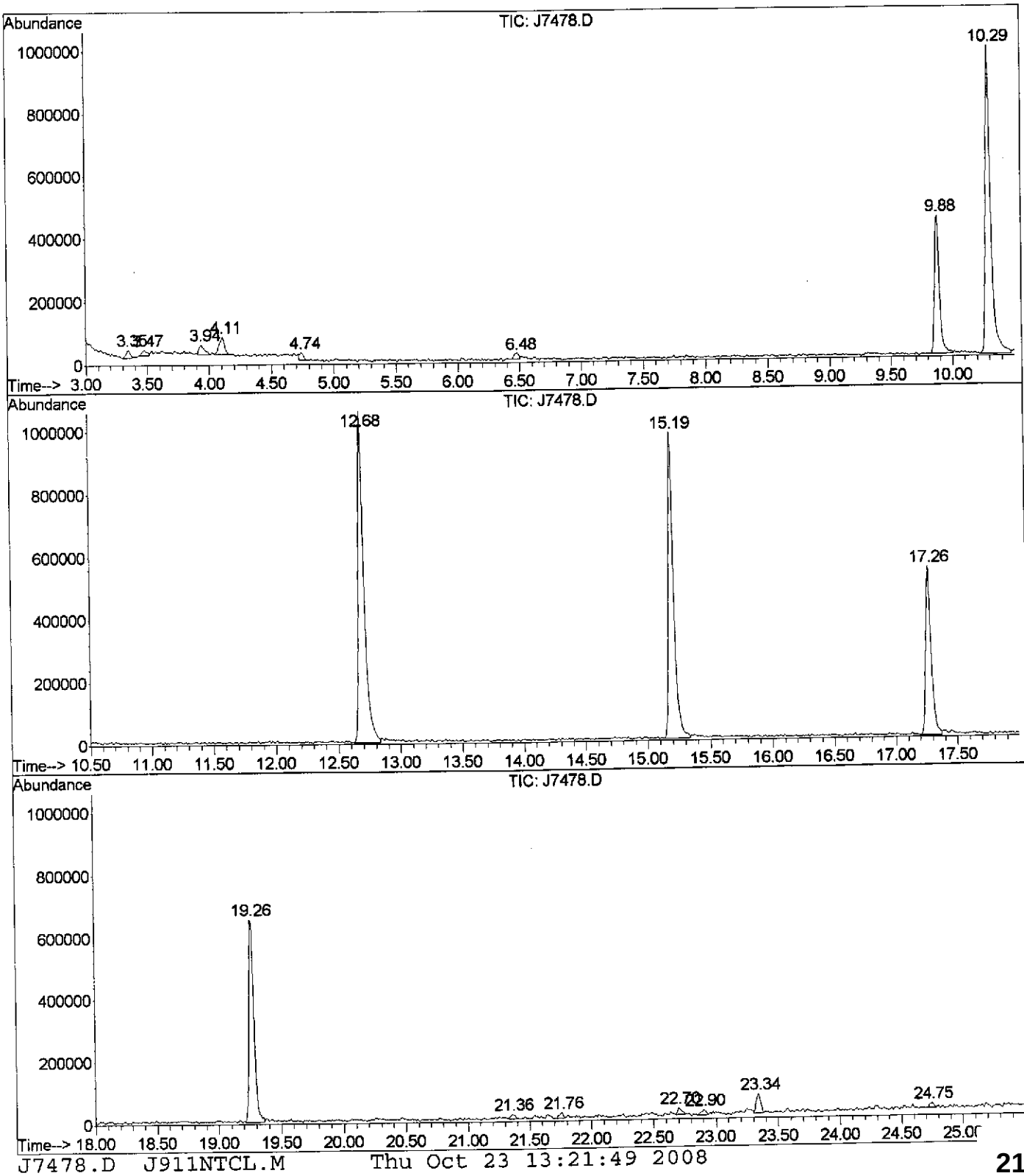
Operator ID: JK Date Acquired: 22 Oct 2008 15:36
Data File: C:\HPCHEM\1\DATA\J7478.D
Name: 0810110-004A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7478.D J911NTCL.M Thu Oct 23 13:21:49 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7478.D
Operator : JK
Acquired : 22 Oct 2008 15:36 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-004A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 46
Quant File :J911NTCL.RES (RTE Integrator)



J7478.D J911NTCL.M Thu Oct 23 13:21:49 2008

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7479.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 16:10
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 16:10
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 16:10
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Acetone	3.76	J	10.0	2.50	µg/L	1	10/22/08 16:10
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 16:10
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 16:10
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 16:10
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 16:10
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 16:10
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 16:10
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:10
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7479.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 16:10
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 16:10
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 16:10
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 16:10
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:10
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 16:10
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 16:10
Surr: 1,2-Dichloroethane-d4	113		75-134	0.10	%REC	1	10/22/08 16:10
Surr: Toluene-d8	94.5		75-125	0.10	%REC	1	10/22/08 16:10
Surr: 4-Bromofluorobenzene	108		75-125	0.10	%REC	1	10/22/08 16:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7479.D Vial: 47
Acq On : 22 Oct 2008 16:10 Operator: JK
Sample : 0810110-005A Inst : #3MS10
Misc : SAMP,8260W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:22 2008 Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.30	96	1356514	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	537752	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	257614	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.87	65	426004	11.32	ug/L	0.00
Spiked Amount 10.000			Recovery =	113.20%		
37) Toluene-d8	12.68	98	1225579	9.45	ug/L	0.00
Spiked Amount 10.000			Recovery =	94.50%		
49) Bromofluorobenzene	17.26	95	340355	10.82	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.20%		
Target Compounds						Qvalue
12) Acetone	6.48	43	27272	3.76	ug/L	86

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

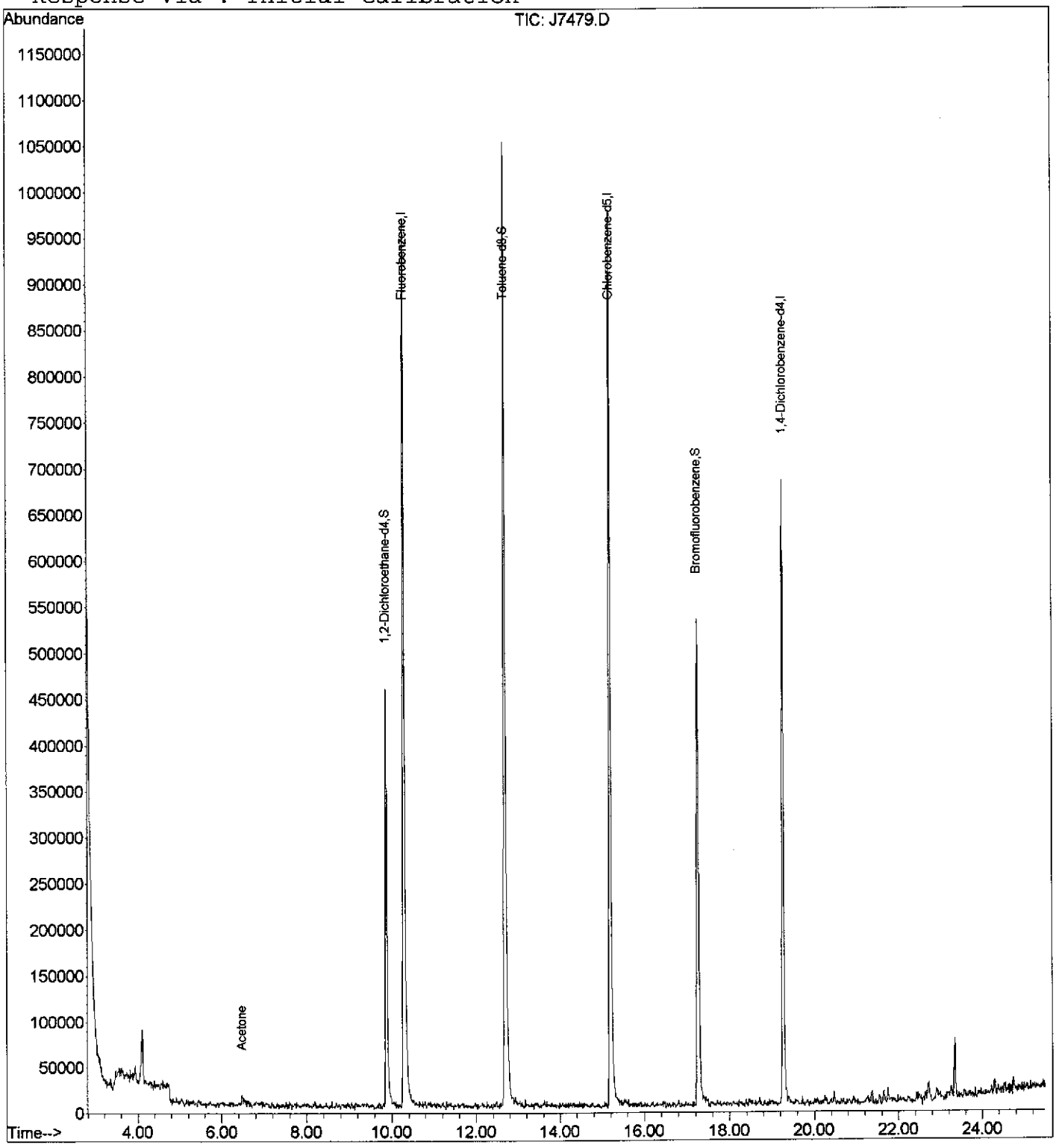
Quantitation Report

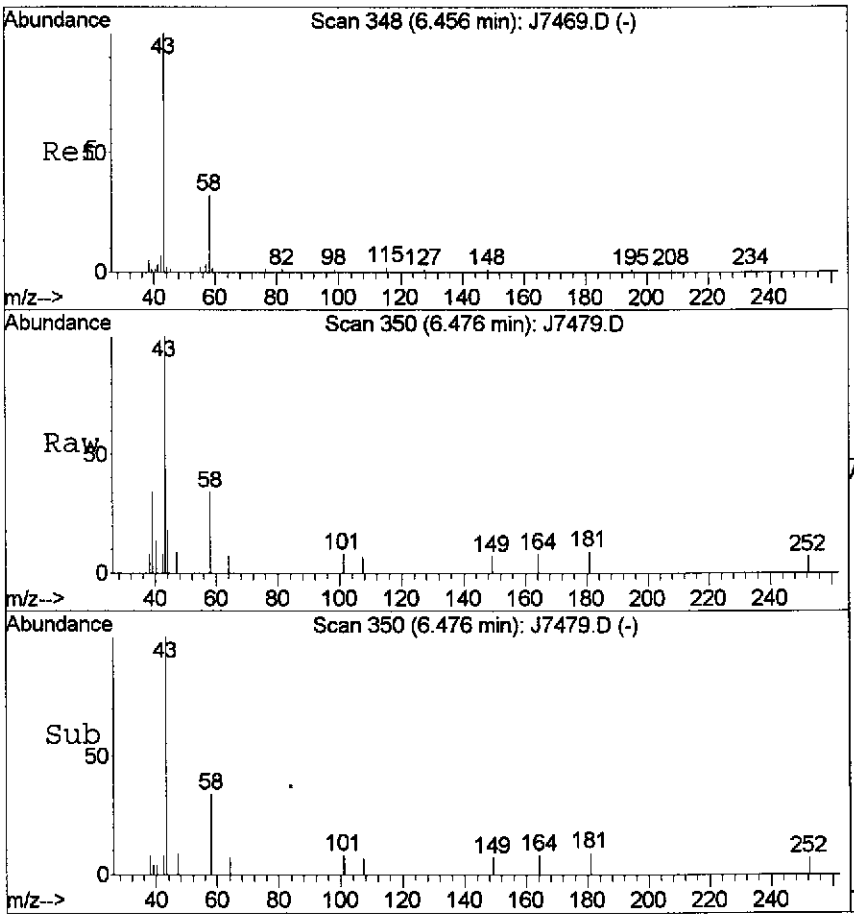
Data File : C:\HPCHEM\1\DATA\J7479.D
Acq On : 22 Oct 2008 16:10
Sample : 0810110-005A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:22 2008

Vial: 47
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

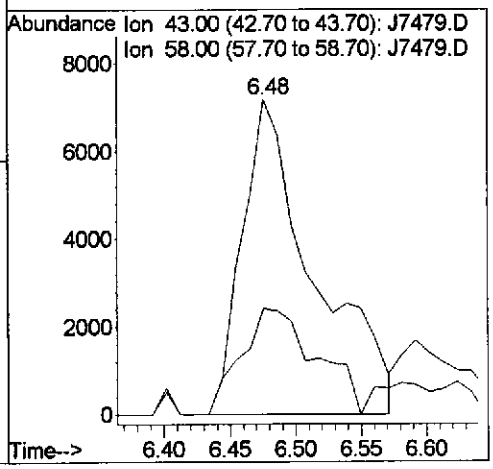




#12
Acetone
Concen: 3.76 ug/L
RT: 6.48 min Scan# 350
Delta R.T. 0.02 min
Lab File: J7479.D
Acq: 22 Oct 2008 16:10

Tgt Ion: 43 Resp: 27272

Ion	Ratio	Lower	Upper
43	100		
58	35.6	0.0	58.3



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4FD

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-005A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7479.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

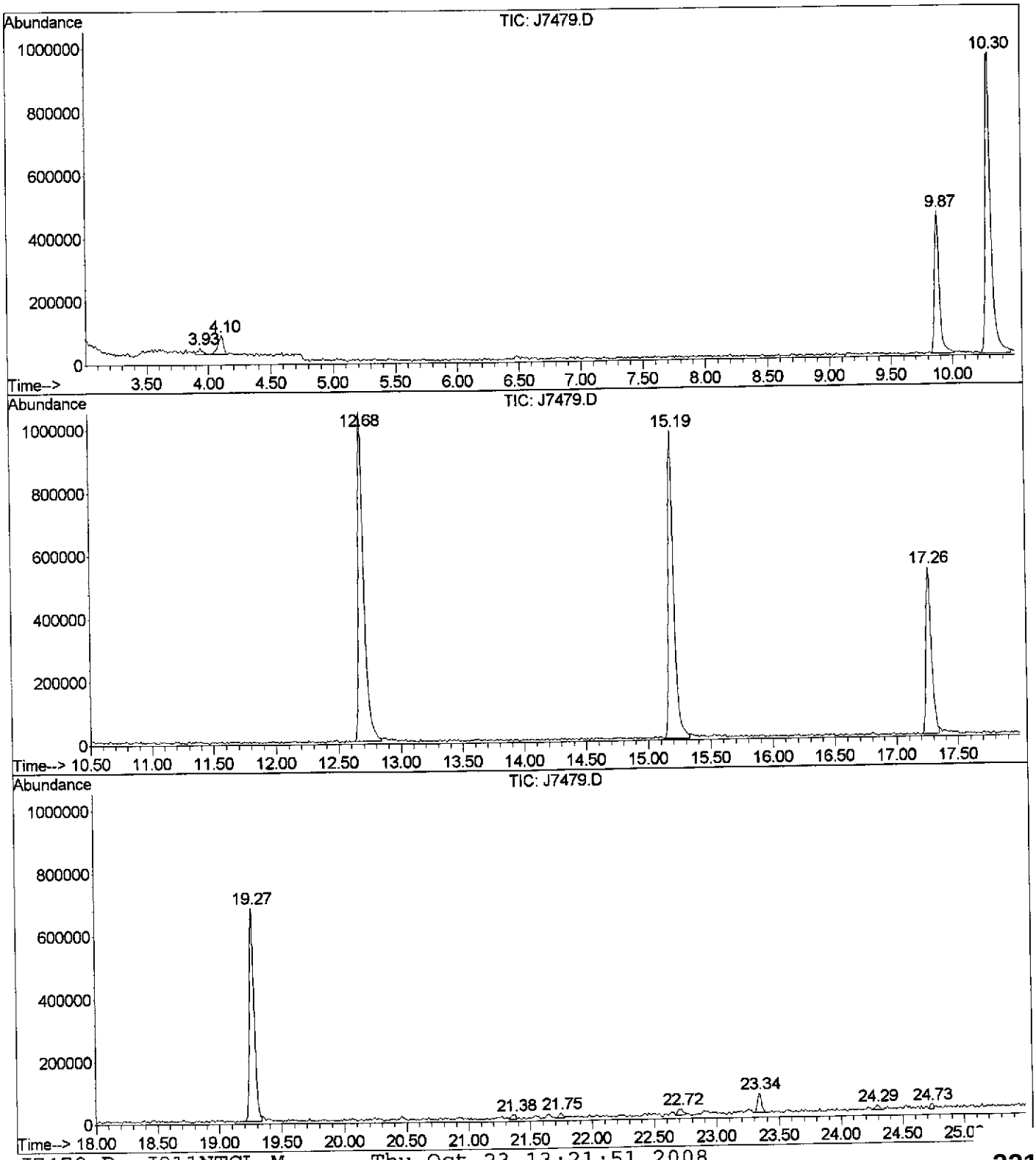
Operator ID: JK Date Acquired: 22 Oct 2008 16:10
Data File: C:\HPCHEM\1\DATA\J7479.D
Name: 0810110-005A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7479.D J911NTCL.M Thu Oct 23 13:21:51 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7479.D
Operator : JK
Acquired : 22 Oct 2008 16:10 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-005A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 47
Quant File :J911NTCL.RES (RTE Integrator)



J7479.D J911NTCL.M Thu Oct 23 13:21:51 2008

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-006A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***Trip Blank***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER Q	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7480.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
Dichlorodifluoromethane	ND		1.00	0.25	µg/L	1	10/22/08 16:44
Chloromethane	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Vinyl chloride	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Bromomethane	ND		1.00	0.19	µg/L	1	10/22/08 16:44
Chloroethane	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Trichlorofluoromethane	ND		1.00	0.10	µg/L	1	10/22/08 16:44
1,1-Dichloroethene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Acetone	ND		10.0	2.50	µg/L	1	10/22/08 16:44
Carbon disulfide	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Methyl acetate	ND		5.00	2.50	µg/L	1	10/22/08 16:44
Methylene chloride	ND		2.00	0.16	µg/L	1	10/22/08 16:44
trans-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Methyl tert-butyl ether	ND		1.00	0.50	µg/L	1	10/22/08 16:44
1,1-Dichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
cis-1,2-Dichloroethene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
2-Butanone	ND		10.0	2.50	µg/L	1	10/22/08 16:44
Chloroform	ND		0.50	0.10	µg/L	1	10/22/08 16:44
1,1,1-Trichloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Cyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Carbon tetrachloride	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Benzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Trichloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
Methylcyclohexane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,2-Dichloropropane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Bromodichloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
cis-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
4-Methyl-2-pentanone	ND		5.00	1.00	µg/L	1	10/22/08 16:44
Toluene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
trans-1,3-Dichloropropene	ND		0.50	0.25	µg/L	1	10/22/08 16:44
1,1,2-Trichloroethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Tetrachloroethene	ND		0.50	0.10	µg/L	1	10/22/08 16:44

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-006A**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***Trip Blank***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER Q	**Date Received:**	10/14/08 16:54
Inst. ID:	MS03 10	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R15252
Revision:	10/23/08 9:32	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-J7480.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
2-Hexanone	ND		5.00	1.00	µg/L	1	10/22/08 16:44
Dibromochloromethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dibromoethane	ND		0.50	0.25	µg/L	1	10/22/08 16:44
Chlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Ethylbenzene	ND		0.50	0.10	µg/L	1	10/22/08 16:44
Xylenes (total)	ND		1.00	0.26	µg/L	1	10/22/08 16:44
Styrene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
Bromoform	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Isopropylbenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,1,2,2-Tetrachloroethane	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,3-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,4-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dichlorobenzene	ND		0.50	0.16	µg/L	1	10/22/08 16:44
1,2-Dibromo-3-chloropropane	ND		5.00	2.50	µg/L	1	10/22/08 16:44
1,2,4-Trichlorobenzene	ND		1.00	0.50	µg/L	1	10/22/08 16:44
Surr: 1,2-Dichloroethane-d4	114		75-134	0.10	%REC	1	10/22/08 16:44
Surr: Toluene-d8	101		75-125	0.10	%REC	1	10/22/08 16:44
Surr: 4-Bromofluorobenzene	104		75-125	0.10	%REC	1	10/22/08 16:44

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7480.D
Acq On : 22 Oct 2008 16:44
Sample : 0810110-006A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:22 2008

Vial: 48
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1319083	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	510679	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.26	152	255334	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.87	65	417695	11.41	ug/L	0.00
Spiked Amount 10.000			Recovery =	114.10%		
37) Toluene-d8	12.68	98	1242962	10.09	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.90%		
49) Bromofluorobenzene	17.26	95	324171	10.40	ug/L	0.00
Spiked Amount 10.000			Recovery =	104.00%		
Target Compounds						Qvalue
11) Methylene chloride	6.35	84	4945	0.13	ug/L	79

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

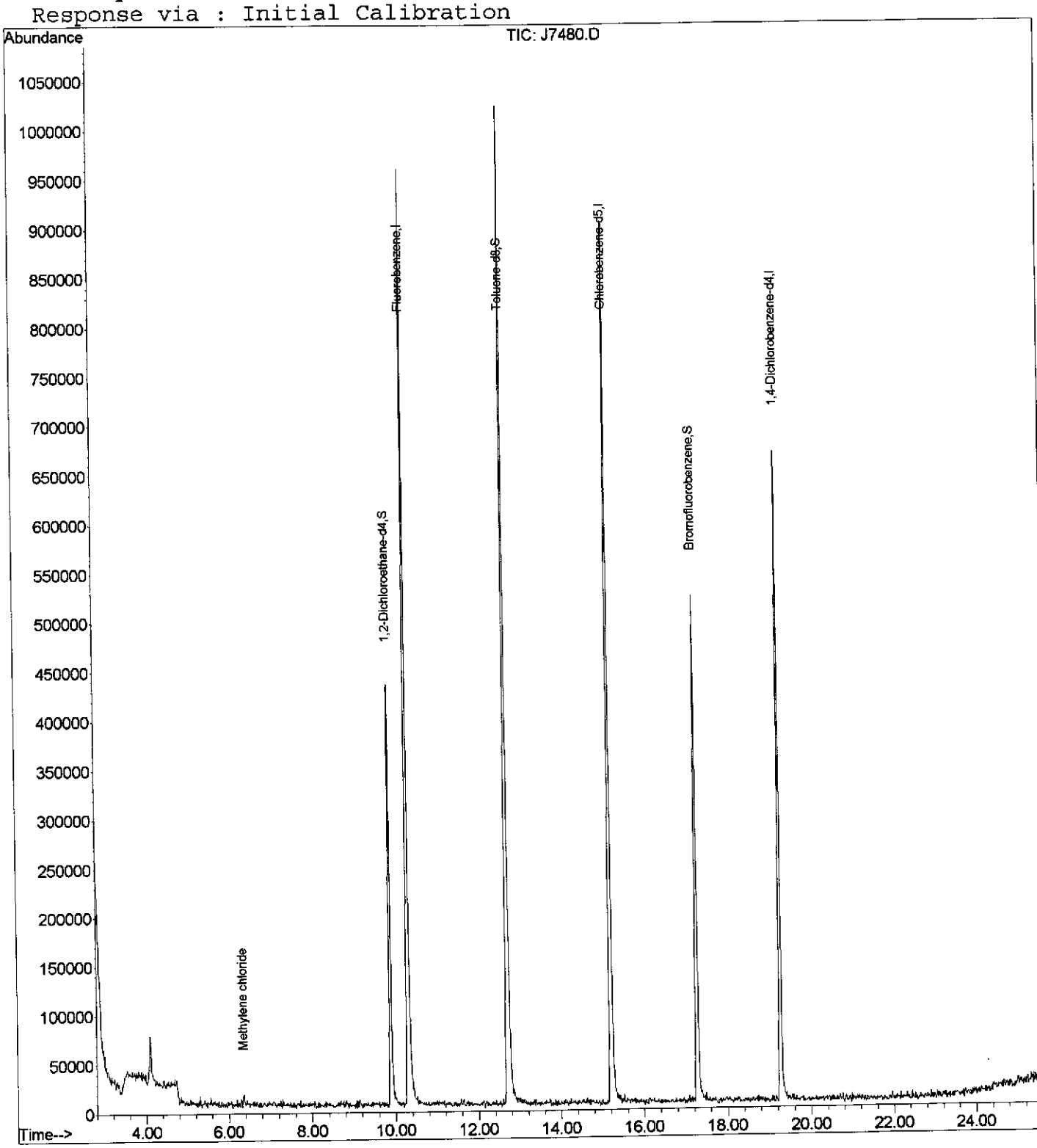
Quantitation Report

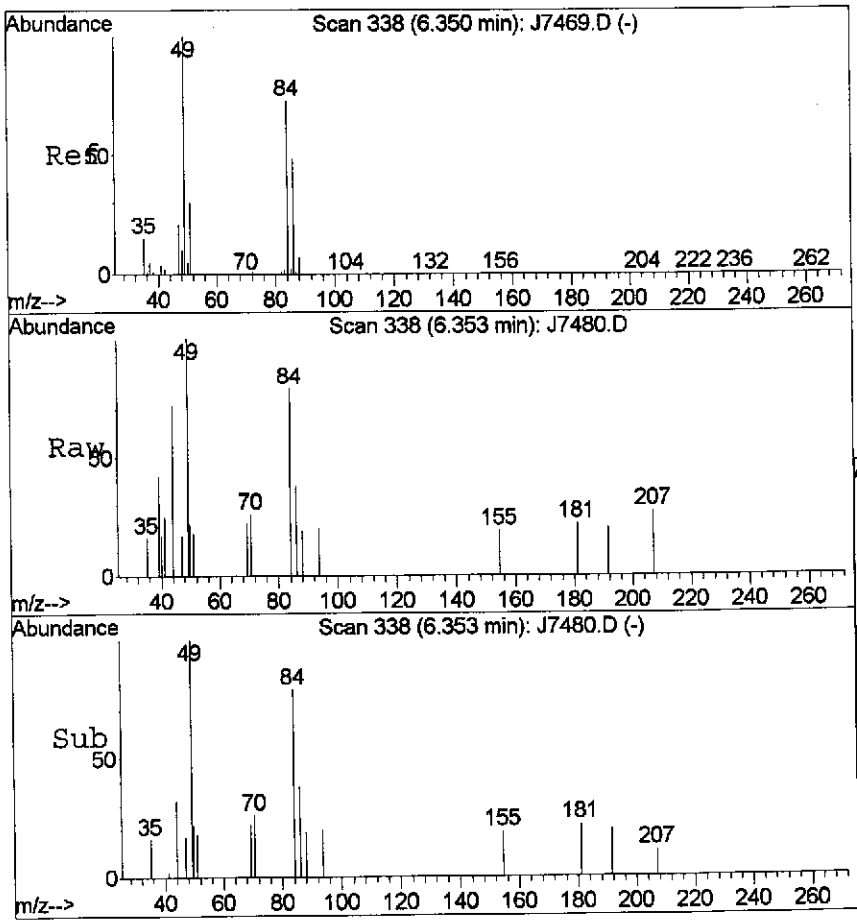
Data File : C:\HPCHEM\1\DATA\J7480.D
Acq On : 22 Oct 2008 16:44
Sample : 0810110-006A
Misc : SAMP,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:22 2008

Vial: 48
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

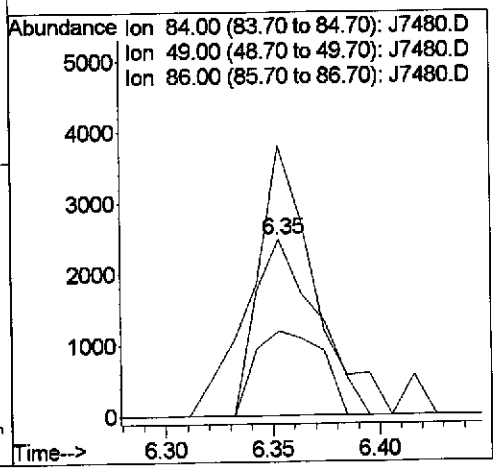




#11
Methylene chloride
Concen: 0.13 ug/L
RT: 6.35 min Scan# 338
Delta R.T. 0.00 min
Lab File: J7480.D
Acq: 22 Oct 2008 16:44

Tgt Ion: 84 Resp: 4945

Ion	Ratio	Lower	Upper
84	100		
49	157.7	99.3	159.3
86	52.7	33.2	93.2



Form 1 TIC CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Trip Blank

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-006A

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7480.D

Level: LOW Date Received: 10/14/08

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

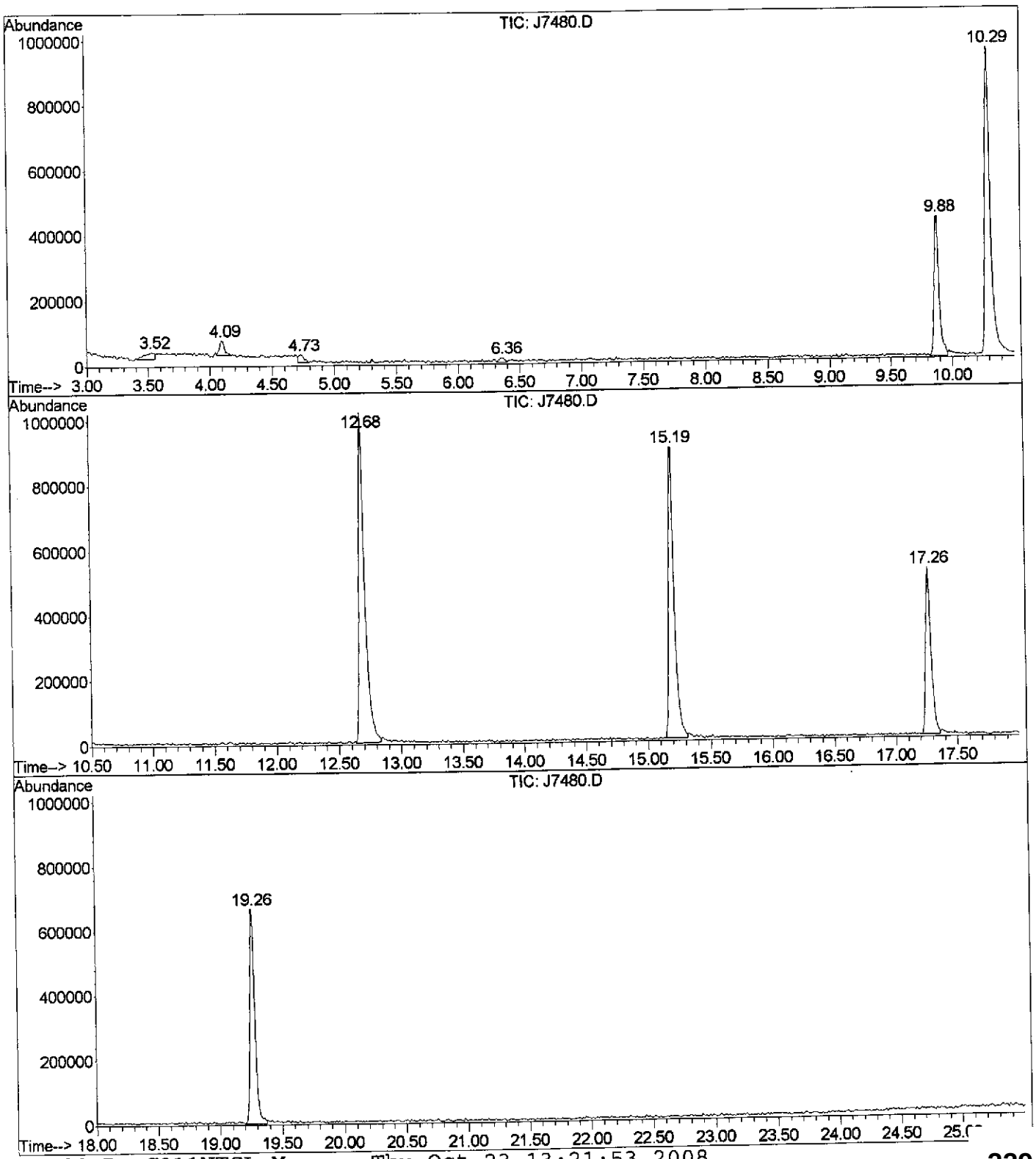
Operator ID: JK Date Acquired: 22 Oct 2008 16:44
Data File: C:\HPCHEM\1\DATA\J7480.D
Name: 0810110-006A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7480.D J911NTCL.M Thu Oct 23 13:21:54 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7480.D
Operator : JK
Acquired : 22 Oct 2008 16:44 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: 0810110-006A
Misc Info : SAMP,8260W_OLM42,
Vial Number: 48
Quant File :J911NTCL.RES (RTE Integrator)



J7480.D J911NTCL.M Thu Oct 23 13:21:53 2008

Calibration Data

ICAL #1351

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 08:12:55 2008
Response via : Continuing Calibration

Calibration Files
0.5 =J7031.D 1.0 =J7032.D 2.0 =J7033.D
10 =J7034.D 20 =J7035.D 30 =J7036.D

		Compound	0.5	1.0	2.0	10	20	30	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.365	0.345	0.365	0.391	0.389	0.392	0.378	5.20
3)	P	Chloromethane	0.382	0.381	0.390	0.399	0.405	0.396	0.394	2.51
4)	CP	Vinyl chloride	0.475	0.458	0.460	0.495	0.493	0.490	0.481	3.49
5)		Bromomethane	0.419	0.450	0.428	0.364	0.353	0.361	0.391	10.05
6)		Chloroethane	0.333	0.323	0.329	0.337	0.334	0.333	0.332	1.46
7)		Trichlorofluorometh	0.553	0.550	0.543	0.567	0.562	0.568	0.558	1.78
8)	CPM	1,1-Dichloroethene	0.240	0.238	0.230	0.235	0.238	0.239	0.237	1.89
9)		Carbon disulfide	0.799	0.734	0.760	0.799	0.808	0.823	0.795	4.61
10)		1,1,2-Trichloro-1,2	0.245	0.260	0.242	0.264	0.263	0.263	0.258	4.21
11)		Methyl iodide		0.121	0.157	0.256	0.275	0.290	0.233	32.18
12)		Acrolein		0.023	0.028	0.031	0.032	0.033	0.030	13.16
13)		Methylene chloride		0.325	0.284	0.270	0.262	0.266	0.279	8.41
14)		Acetone		0.047	0.046	0.054	0.056	0.058	0.054	11.30
15)		trans-1,2-Dichloroe	0.238	0.251	0.246	0.246	0.248	0.250	0.248	1.97
16)		Methyl acetate		0.207	0.195	0.172	0.164	0.174	0.181	8.96
17)		Methyl tert-Butyl e	0.649	0.660	0.660	0.677	0.687	0.693	0.677	3.31
18)	P	1,1-Dichloroethane	0.509	0.486	0.491	0.479	0.481	0.489	0.489	2.02
19)		Acrylonitrile		0.054	0.063	0.063	0.067	0.069	0.064	8.94
20)		Vinyl acetate	0.257	0.232	0.236	0.272	0.285	0.292	0.266	9.50
21)		cis-1,2-Dichloroeth	0.256	0.264	0.283	0.279	0.280	0.280	0.276	4.17
22)		2,2-Dichloropropane	0.374	0.361	0.379	0.376	0.366	0.373	0.372	1.72
23)		Bromochloromethane	0.106	0.107	0.110	0.115	0.114	0.118	0.113	4.77
24)		Cyclohexane	0.438	0.421	0.429	0.450	0.454	0.464	0.447	4.33
25)	CP	Chloroform	0.473	0.439	0.455	0.435	0.437	0.438	0.446	3.10
26)		Carbon tetrachlorid	0.195	0.218	0.225	0.243	0.257	0.266	0.240	12.13
27)		1,1,1-Trichloroetha	0.351	0.357	0.355	0.371	0.372	0.385	0.369	4.22
28)		2-Butanone		0.064	0.071	0.081	0.083	0.084	0.078	10.89
29)		1,1-Dichloropropene	0.339	0.327	0.346	0.364	0.365	0.372	0.356	5.15
30)	M	Benzene	1.081	1.125	1.153	1.156	1.165	1.173	1.151	3.41
31)	S	1,2-Dichloroethane-	0.270	0.285	0.287	0.276	0.270	0.276	0.277	2.35
32)		1,2-Dichloroethane	0.295	0.320	0.331	0.330	0.328	0.336	0.326	4.53
33)		Methylcyclohexane	0.406	0.385	0.401	0.414	0.424	0.421	0.413	4.29
34)	M	Trichloroethene	0.253	0.251	0.262	0.258	0.260	0.267	0.260	2.66
35)		Dibromomethane	0.124	0.129	0.125	0.136	0.138	0.139	0.133	5.52
36)	CP	1,2-Dichloropropane	0.276	0.257	0.272	0.263	0.273	0.271	0.270	2.92
37)		Bromodichloromethan	0.260	0.256	0.269	0.288	0.296	0.306	0.285	8.39
38)		2-Chloroethylvinyl	0.054	0.061	0.069	0.061	0.058	0.054	0.059	9.56
39)		cis-1,3-Dichloropro	0.305	0.340	0.364	0.406	0.412	0.422	0.383	12.51
40)	CPM	Toluene	0.652	0.654	0.672	0.700	0.704	0.718	0.689	4.36
41)		4-Methyl-2-pentanon	0.149	0.135	0.150	0.173	0.181	0.187	0.167	13.26
42)		trans-1,3-Dichlorop	0.224	0.253	0.274	0.323	0.338	0.348	0.303	17.48
43)		1,1,2-Trichloroetha	0.179	0.161	0.172	0.174	0.171	0.173	0.172	3.35

(#) = Out of Range ### Number of calibration levels exceeded format ##*

9-12-08

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 08:12:55 2008
Response via : Continuing Calibration

Calibration Files
0.5 =J7031.D 1.0 =J7032.D 2.0 =J7033.D
10 =J7034.D 20 =J7035.D 30 =J7036.D

		Compound	0.5	1.0	2.0	10	20	30	Avg	%RSD
44)		2-Hexanone	0.066	0.069	0.091	0.113	0.123	0.125	0.103	26.89
45)	I	Chlorobenzene-d5	----------	ISTD	----------					
46)	S	Toluene-d8	2.362	2.384	2.405	2.471	2.351	2.427	2.411	2.11
47)		Tetrachloroethene	0.575	0.623	0.593	0.594	0.576	0.585	0.594	2.99
48)		Dibromochloromethan	0.344	0.363	0.341	0.432	0.448	0.488	0.418	16.59
49)		1,3-Dichloropropane	0.859	0.936	0.941	0.953	0.907	0.932	0.926	3.59
50)		1,2-Dibromoethane	0.466	0.412	0.461	0.466	0.455	0.464	0.458	4.84
51)		1-Chlorohexane	0.757	0.747	0.800	0.881	0.837	0.876	0.830	7.58
52)	PM	Chlorobenzene	1.689	1.887	1.829	1.816	1.731	1.770	1.793	3.74
53)	CP	Ethylbenzene	3.111	3.041	3.232	3.255	3.177	3.236	3.198	3.02
54)		1,1,1,2-Tetrachloro	0.444	0.437	0.428	0.482	0.475	0.515	0.473	8.33
55)		(m+p)-Xylene	1.108	1.118	1.193	1.255	1.223	1.255	1.208	6.09
56)		o-Xylene	1.081	1.060	1.162	1.214	1.178	1.211	1.165	6.02
57)		Styrene	1.271	1.399	1.564	1.740	1.731	1.791	1.621	13.43
58)	P	Bromoform		0.138	0.162	0.196	0.214	0.233	0.200	22.26
59)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
60)		Isopropylbenzene	3.907	3.838	4.015	4.019	4.107	4.189	4.036	3.29
61)	S	Bromofluorobenzene	1.367	1.184	1.233	1.168	1.175	1.209	1.221	5.59
62)		Bromobenzene	0.980	1.041	0.990	0.962	0.936	0.950	0.975	3.50
63)		n-Propylbenzene	4.193	4.451	4.650	4.867	5.039	5.123	4.781	7.62
64)	P	1,1,2,2-Tetrachloro	0.826	0.905	0.907	0.899	0.882	0.917	0.891	3.44
65)		2-Chlorotoluene	3.195	3.350	3.421	3.245	3.345	3.396	3.338	2.61
66)		1,3,5-Trimethylbenz	2.725	2.756	3.009	3.171	3.279	3.370	3.103	9.05
67)		1,2,3-Trichloroprop	0.849	0.841	0.805	0.750	0.768	0.771	0.795	4.80
68)		trans-1,4-Dichloro-		0.090	0.103	0.129	0.132	0.152	0.127	20.64
69)		4-Chlorotoluene	2.800	2.854	2.935	2.902	2.984	3.056	2.941	3.33
70)		tert-Butylbenzene	2.266	2.283	2.397	2.421	2.571	2.629	2.464	6.70
71)		1,2,4-Trimethylbenz	2.573	2.594	2.745	2.836	2.969	3.063	2.841	7.61
72)		sec-Butylbenzene	3.284	3.342	3.354	3.537	3.758	3.851	3.579	7.42
73)		p-Isopropyltoluene	2.508	2.479	2.544	2.674	2.892	2.990	2.734	8.81
74)		1,3-Dichlorobenzene	1.865	1.753	1.843	1.715	1.725	1.746	1.774	3.26
75)		1,4-Dichlorobenzene	1.710	1.700	1.695	1.613	1.632	1.671	1.674	2.24
76)		n-Butylbenzene	2.106	2.072	2.113	2.079	2.216	2.332	2.193	6.44
77)		1,2-Dichlorobenzene	1.620	1.552	1.634	1.614	1.646	1.673	1.635	2.97
78)		1,2-Dibromo-3-chlor		0.077	0.091	0.106	0.118	0.125	0.108	19.39
79)		Hexachlorobutadiene	0.281	0.232	0.248	0.233	0.253	0.255	0.252	6.70
80)		1,2,4-Trichlorobenz	0.696	0.698	0.741	0.674	0.724	0.754	0.725	5.50
81)		Naphthalene	1.107	1.238	1.371	1.607	1.752	1.792	1.532	19.28
82)		1,2,3-Trichlorobenz	0.483	0.534	0.593	0.569	0.618	0.645	0.588	11.20

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 09:32:52 2008
Response via : Initial Calibration

Calibration Files
40 =J7037.D = =
= = =

		Compound	40	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------		
2)		Dichlorodifluoromet	0.399		
3)	P	Chloromethane	0.404		
4)	CP	Vinyl chloride	0.497		
5)		Bromomethane	0.365		
6)		Chloroethane	0.337		
7)		Trichlorofluorometh	0.566		
8)	CPM	1,1-Dichloroethene	0.244		
9)		Carbon disulfide	0.841		
10)		1,1,2-Trichloro-1,2	0.271		
11)		Methyl iodide	0.297		
12)		Acrolein	0.034		
13)		Methylene chloride	0.268		
14)		Acetone	0.060		
15)		trans-1,2-Dichloroe	0.253		
16)		Methyl acetate	0.176		
17)		Methyl tert-Butyl e	0.713		
18)	P	1,1-Dichloroethane	0.491		
19)		Acrylonitrile	0.070		
20)		Vinyl acetate	0.291		
21)		cis-1,2-Dichloroeth	0.289		
22)		2,2-Dichloropropane	0.376		
23)		Bromochloromethane	0.119		
24)		Cyclohexane	0.476		
25)	CP	Chloroform	0.447		
26)		Carbon tetrachlorid	0.277		
27)		1,1,1-Trichloroetha	0.391		
28)		2-Butanone	0.085		
29)		1,1-Dichloropropene	0.376		
30)	M	Benzene	1.206		
31)	S	1,2-Dichloroethane-	0.279		
32)		1,2-Dichloroethane	0.340		
33)		Methylcyclohexane	0.439		
34)	M	Trichloroethene	0.271		
35)		Dibromomethane	0.142		
36)	CP	1,2-Dichloropropane	0.281		
37)		Bromodichloromethan	0.319		
38)		2-Chloroethylvinyl	0.054		
39)		cis-1,3-Dichloropro	0.434		
40)	CPM	Toluene	0.726		
41)		4-Methyl-2-pentanon	0.194		
42)		trans-1,3-Dichlorop	0.363		
43)		1,1,2-Trichloroetha	0.177		

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #3MS10

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 09:32:52 2008
Response via : Initial Calibration

Calibration Files
40 =J7037.D = =
= = =

		Compound	40	Avg	%RSD
44)		2-Hexanone	0.134		
45)	I	Chlorobenzene-d5	----------ISTD----------		
46)	S	Toluene-d8	2.480		
47)		Tetrachloroethene	0.610		
48)		Dibromochloromethan	0.510		
49)		1,3-Dichloropropane	0.953		
50)		1,2-Dibromoethane	0.483		
51)		1-Chlorohexane	0.907		
52)	PM	Chlorobenzene	1.824		
53)	CP	Ethylbenzene	3.331		
54)		1,1,1,2-Tetrachloro	0.530		
55)		(m+p)-Xylene	1.305		
56)		o-Xylene	1.246		
57)		Styrene	1.853		
58)	P	Bromoform	0.257		
59)	I	1,4-Dichlorobenzene-d	----------ISTD----------		
60)		Isopropylbenzene	4.180		
61)	S	Bromofluorobenzene	1.211		
62)		Bromobenzene	0.963		
63)		n-Propylbenzene	5.147		
64)	P	1,1,2,2-Tetrachloro	0.902		
65)		2-Chlorotoluene	3.416		
66)		1,3,5-Trimethylbenz	3.410		
67)		1,2,3-Trichloroprop	0.778		
68)		trans-1,4-Dichloro-	0.156		
69)		4-Chlorotoluene	3.057		
70)		tert-Butylbenzene	2.680		
71)		1,2,4-Trimethylbenz	3.111		
72)		sec-Butylbenzene	3.927		
73)		p-Isopropyltoluene	3.052		
74)		1,3-Dichlorobenzene	1.775		
75)		1,4-Dichlorobenzene	1.699		
76)		n-Butylbenzene	2.435		
77)		1,2-Dichlorobenzene	1.706		
78)		1,2-Dibromo-3-chlor	0.132		
79)		Hexachlorobutadiene	0.262		
80)		1,2,4-Trichlorobenz	0.790		
81)		Naphthalene	1.862		
82)		1,2,3-Trichlorobenz	0.674		

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report #3MS10

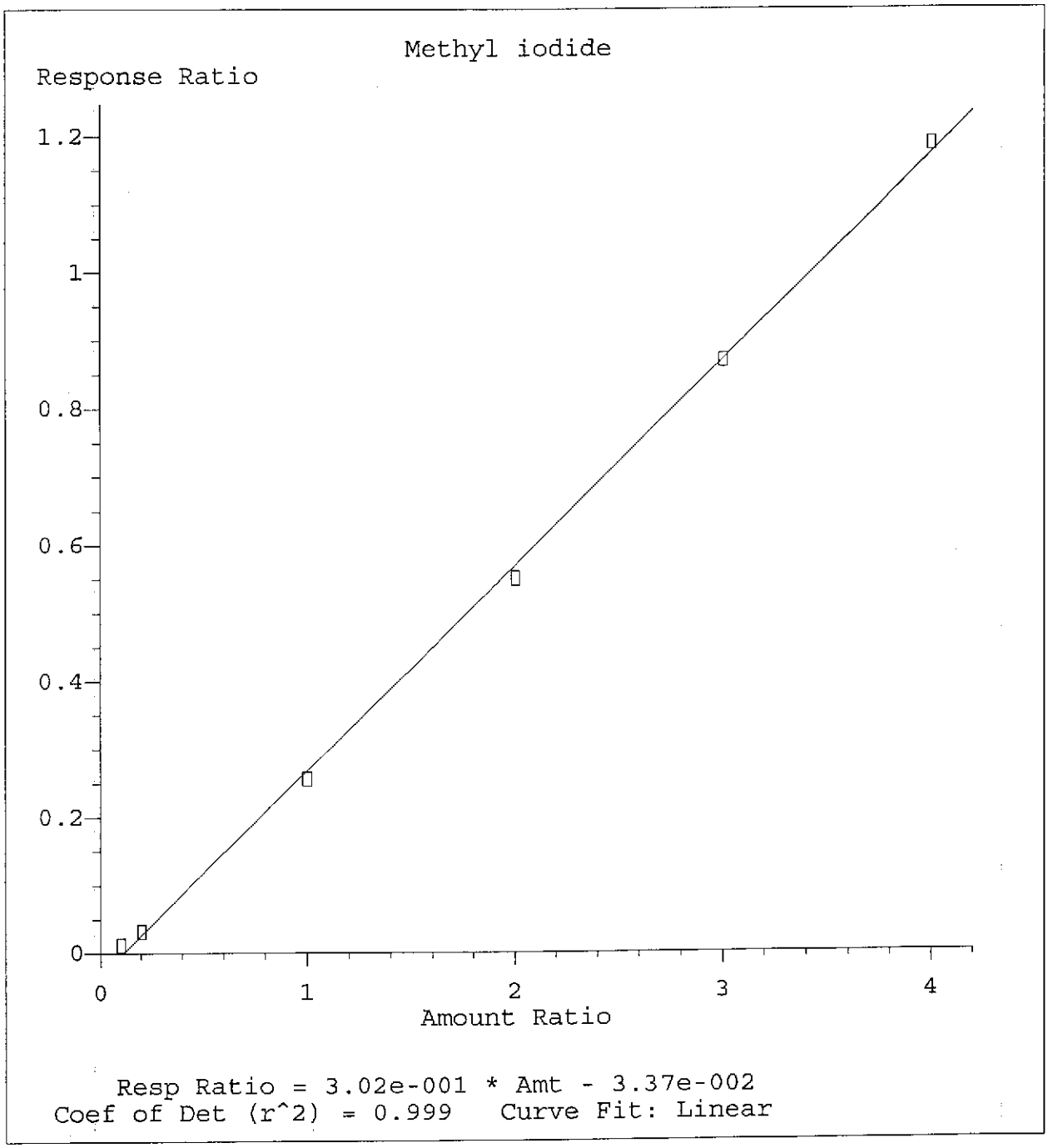
Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 09:29:19 2008
Response via : Initial Calibration
Total Cpnds : 82

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	10.29	1.000	A	1	A	B
2		Dichlorodifluoromethane	85	2.95	0.287	A	1	A	R
3	P	Chloromethane	50	3.30	0.321	A	1	A	R
4	CP	Vinyl chloride	62	3.44	0.334	A	1	A	R
5		Bromomethane	94	4.02	0.391	A	1	A	R
6		Chloroethane	64	4.24	0.412	A	1	A	R
7		Trichlorofluoromethane	101	4.49	0.437	A	1	A	R
8	CPM	1,1-Dichloroethene	96	5.39	0.524	A	2	A	R
9		Carbon disulfide	76	5.44	0.529	A	1	A	R
10		1,1,2-Trichloro-1,2,2-trifluor	101	5.45	0.530	A	2	A	R
11		Methyl iodide	142	5.63	0.548	L	1	A	R
12		Acrolein	56	5.97	0.580	A	2	A	R
13		Methylene chloride	84	6.35	0.617	A	2	A	R
14		Acetone	43	6.45	0.627	A	1	A	R
15		trans-1,2-Dichloroethene	96	6.61	0.643	A	2	A	R
16		Methyl acetate	43	6.79	0.660	A	2	A	R
17		Methyl tert-Butyl ether	73	6.79	0.660	A	2	A	R
18	P	1,1-Dichloroethane	63	7.57	0.736	A	2	A	R
19		Acrylonitrile	53	7.66	0.745	A	2	A	R
20		Vinyl acetate	43	7.95	0.773	A	1	A	R
21		cis-1,2-Dichloroethene	96	8.40	0.816	A	2	A	R
[illegible]		2,2-Dichloropropane	77	8.56	0.832	A	1	A	R
[illegible]		Bromochloromethane	128	8.70	0.846	A	2	A	R
24		Cyclohexane	56	8.71	0.847	A	2	A	R
25	CP	Chloroform	83	8.80	0.855	A	1	A	R
26		Carbon tetrachloride	117	9.02	0.877	A	2	A	R
27		1,1,1-Trichloroethane	97	9.13	0.887	A	2	A	R
28		2-Butanone	43	9.27	0.902	A	1	A	R
29		1,1-Dichloropropene	75	9.30	0.905	A	2	A	R
30	M	Benzene	78	9.67	0.940	A	0	A	R
31	S	1,2-Dichloroethane-d4	65	9.87	0.960	A	1	A	R
32		1,2-Dichloroethane	62	9.97	0.969	A	1	A	R
33		Methylcyclohexane	83	10.54	1.025	A	2	A	R
34	M	Trichloroethene	130	10.55	1.026	A	1	A	R
35		Dibromomethane	93	11.19	1.088	A	2	A	R
36	CP	1,2-Dichloropropane	63	11.33	1.102	A	1	A	R
37		Bromodichloromethane	83	11.43	1.111	A	2	A	R
38		2-Chloroethylvinyl ether	63	12.27	1.193	A	2	A	R
39		cis-1,3-Dichloropropene	75	12.39	1.204	A	2	A	R
40	CPM	Toluene	92	12.77	1.241	A	1	A	R
41		4-Methyl-2-pentanone	43	13.35	1.298	A	2	A	R
42		trans-1,3-Dichloropropene	75	13.41	1.304	L	2	A	R
43		1,1,2-Trichloroethane	83	13.66	1.328	A	2	A	R
44		2-Hexanone	43	14.69	1.428	L	2	A	R
45	I	Chlorobenzene-d5	82	15.18	1.000	A	2	A	R
[illegible]	S	Toluene-d8	98	12.68	0.835	A	0	A	R
[illegible]		Tetrachloroethene	166	13.39	0.882	A	2	A	R
48		Dibromochloromethane	129	13.96	0.919	L	1	A	R
49		1,3-Dichloropropane	76	14.11	0.929	A	1	A	R
50		1,2-Dibromoethane	107	14.36	0.946	A	2	A	R
51		1-Chlorohexane	91	15.15	0.998	A	2	A	
52	PM	Chlorobenzene	112	15.21	1.002	A	2	A	

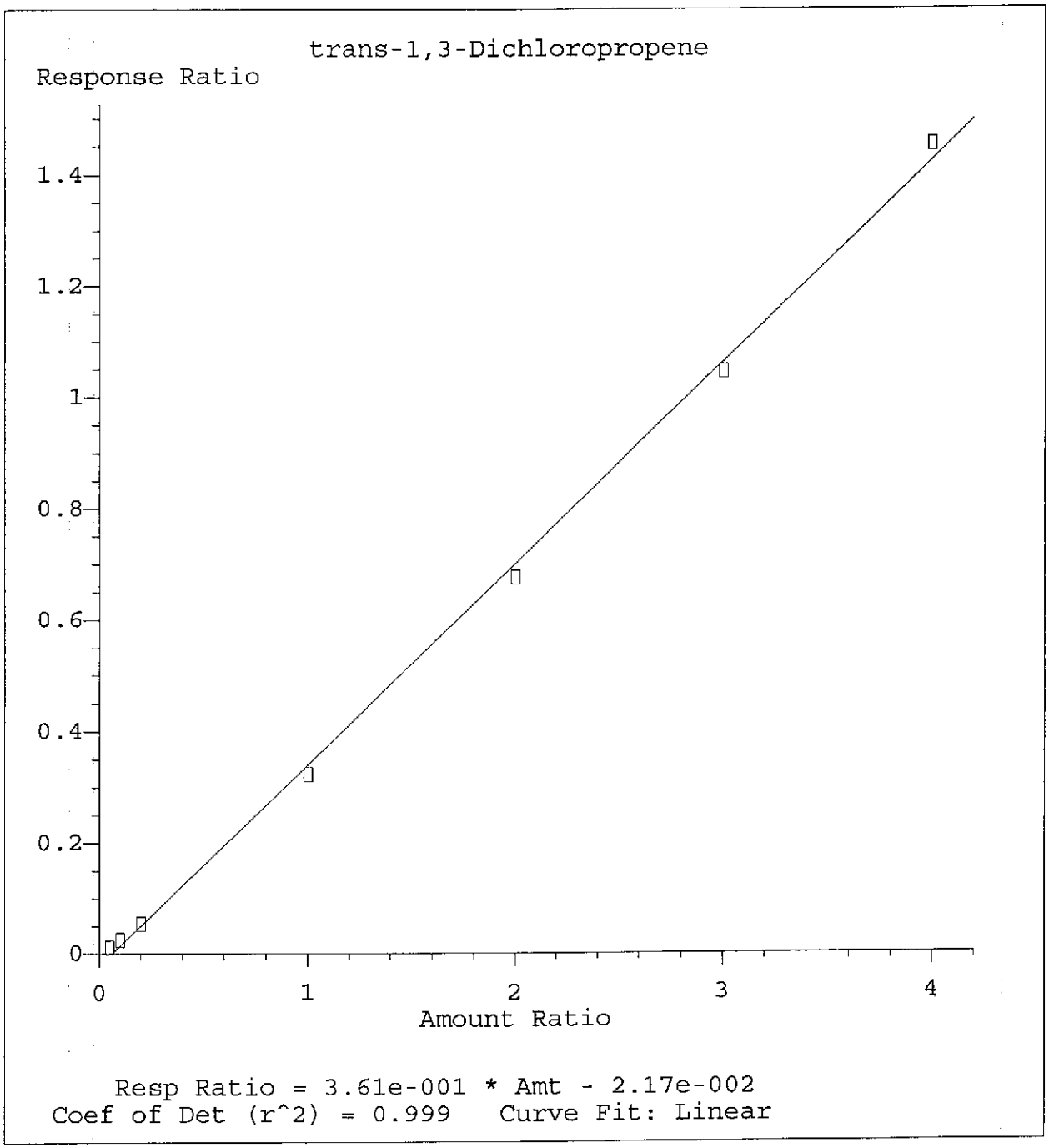
53	CP	Ethylbenzene	91	15.24	1.003	A	1	A	R
54		1,1,1,2-Tetrachloroethane	131	15.31	1.008	A	2	A	R
55		(m+p)-Xylene	106	15.48	1.019	A	1	A	R
56		o-Xylene	106	16.21	1.067	A	1	A	R
57		Styrene	104	16.30	1.074	A	1	A	R
58	P	Bromoform	173	16.36	1.078	Q	2	A	R
59	I	1,4-Dichlorobenzene-d4	152	19.26	1.000	A	2	A	R
60		Isopropylbenzene	105	16.74	0.870	A	1	A	R
61	S	Bromofluorobenzene	95	17.25	0.896	A	2	A	R
62		Bromobenzene	156	17.44	0.906	A	2	A	R
63		n-Propylbenzene	91	17.47	0.907	A	1	A	R
64	P	1,1,2,2-Tetrachloroethane	83	17.59	0.913	A	2	A	R
65		2-Chlorotoluene	91	17.76	0.922	A	1	A	R
66		1,3,5-Trimethylbenzene	105	17.81	0.925	A	1	A	R
67		1,2,3-Trichloropropane	75	17.84	0.927	A	1	A	R
68		trans-1,4-Dichloro-2-butene	89	17.91	0.930	L	2	A	R
69		4-Chlorotoluene	91	18.05	0.938	A	1	A	R
70		tert-Butylbenzene	119	18.38	0.955	A	2	A	R
71		1,2,4-Trimethylbenzene	105	18.51	0.961	A	1	A	R
72		sec-Butylbenzene	105	18.71	0.972	A	1	A	R
73		p-Isopropyltoluene	119	18.96	0.985	A	2	A	R
74		1,3-Dichlorobenzene	146	19.13	0.993	A	2	A	R
75		1,4-Dichlorobenzene	146	19.29	1.002	A	2	A	R
76		n-Butylbenzene	91	19.74	1.025	A	2	A	R
77		1,2-Dichlorobenzene	146	20.07	1.042	A	2	A	R
78		1,2-Dibromo-3-chloropropane	75	21.56	1.119	L	2	A	R
79		Hexachlorobutadiene	225	22.70	1.179	A	2	A	R
80		1,2,4-Trichlorobenzene	180	22.75	1.181	A	2	A	R
81		Naphthalene	128	23.26	1.208	L	0	A	R
82		1,2,3-Trichlorobenzene	180	23.54	1.222	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

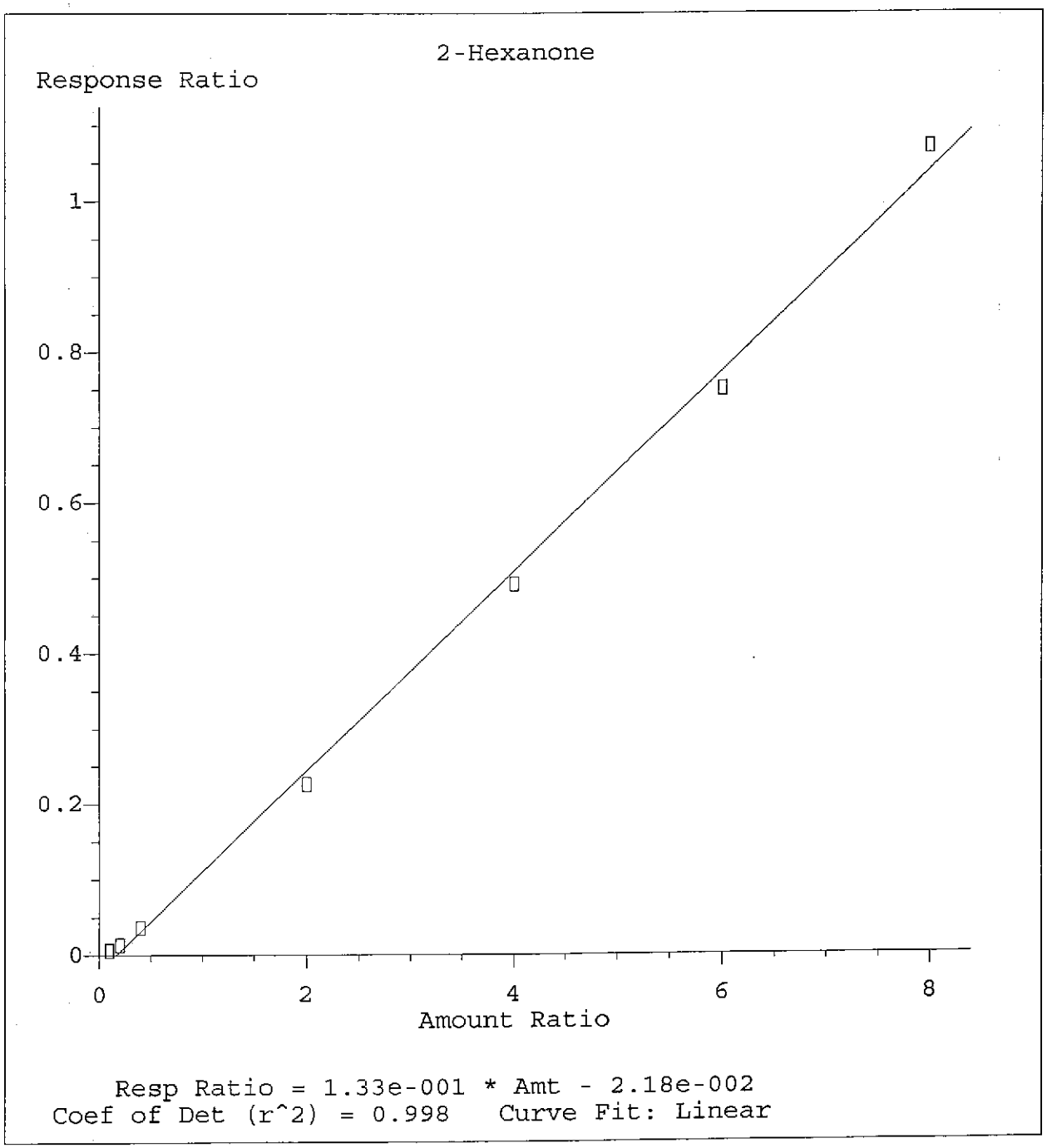
J911VOCW.M Fri Sep 12 09:33:11 2008



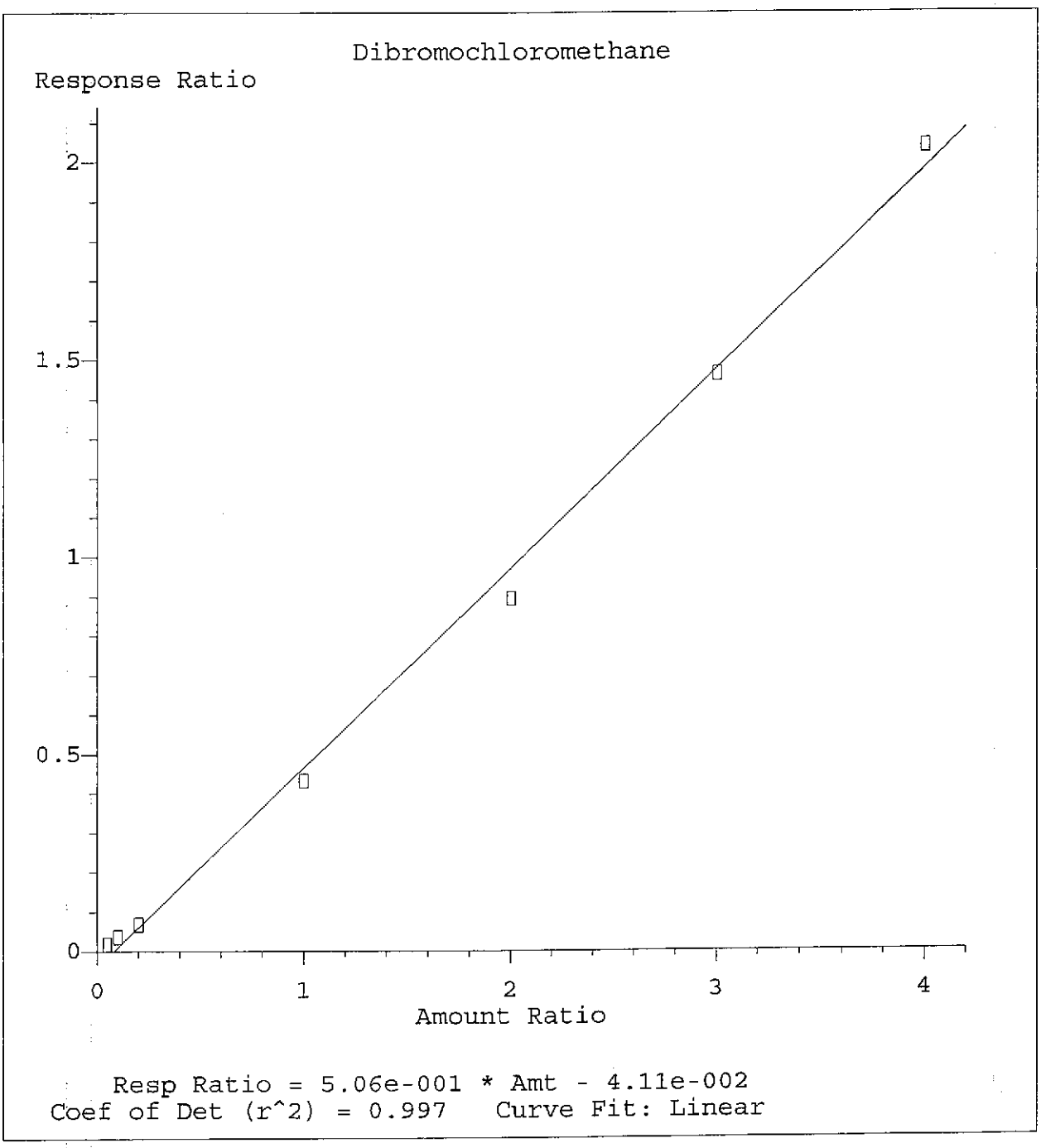
Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



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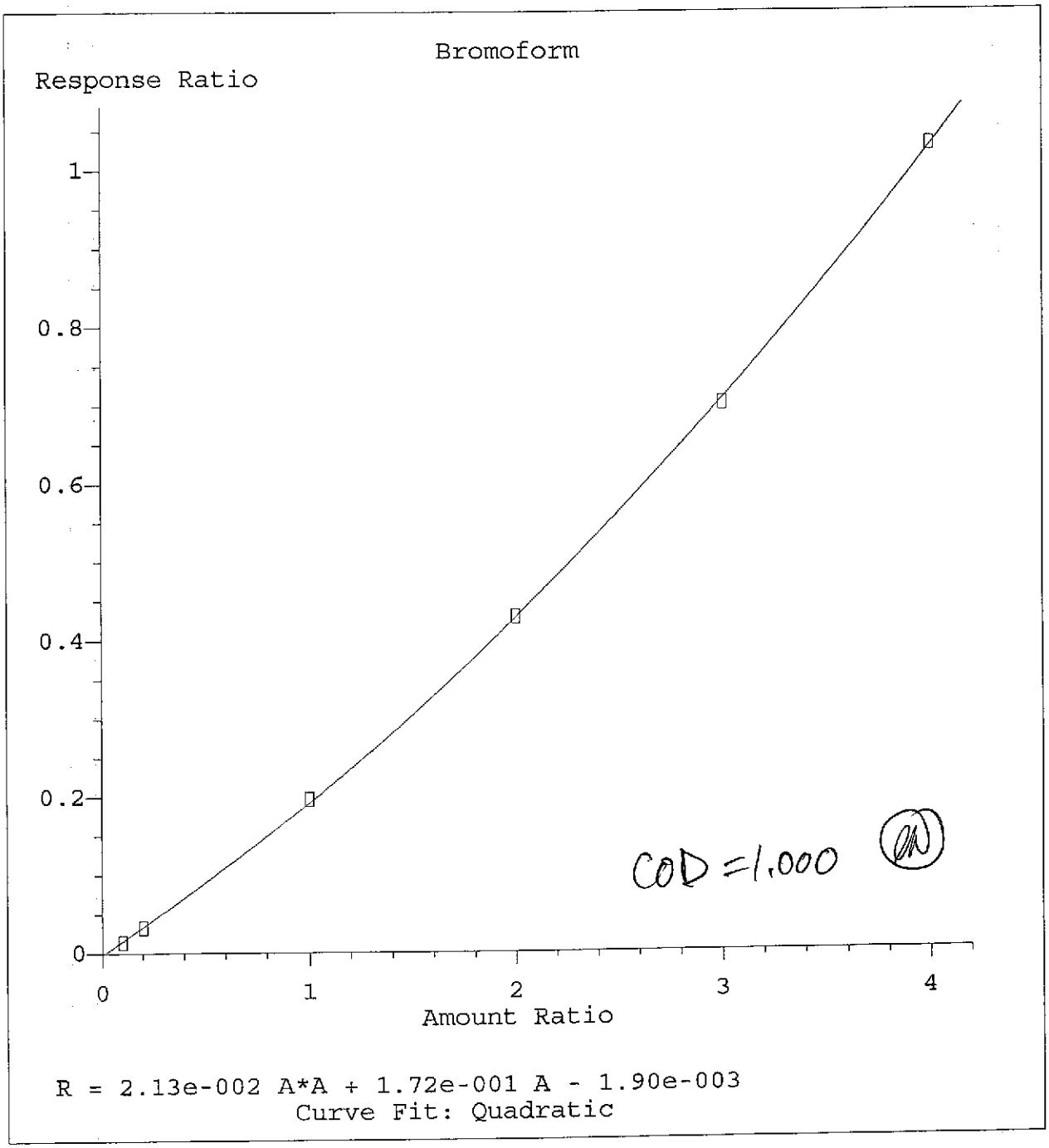
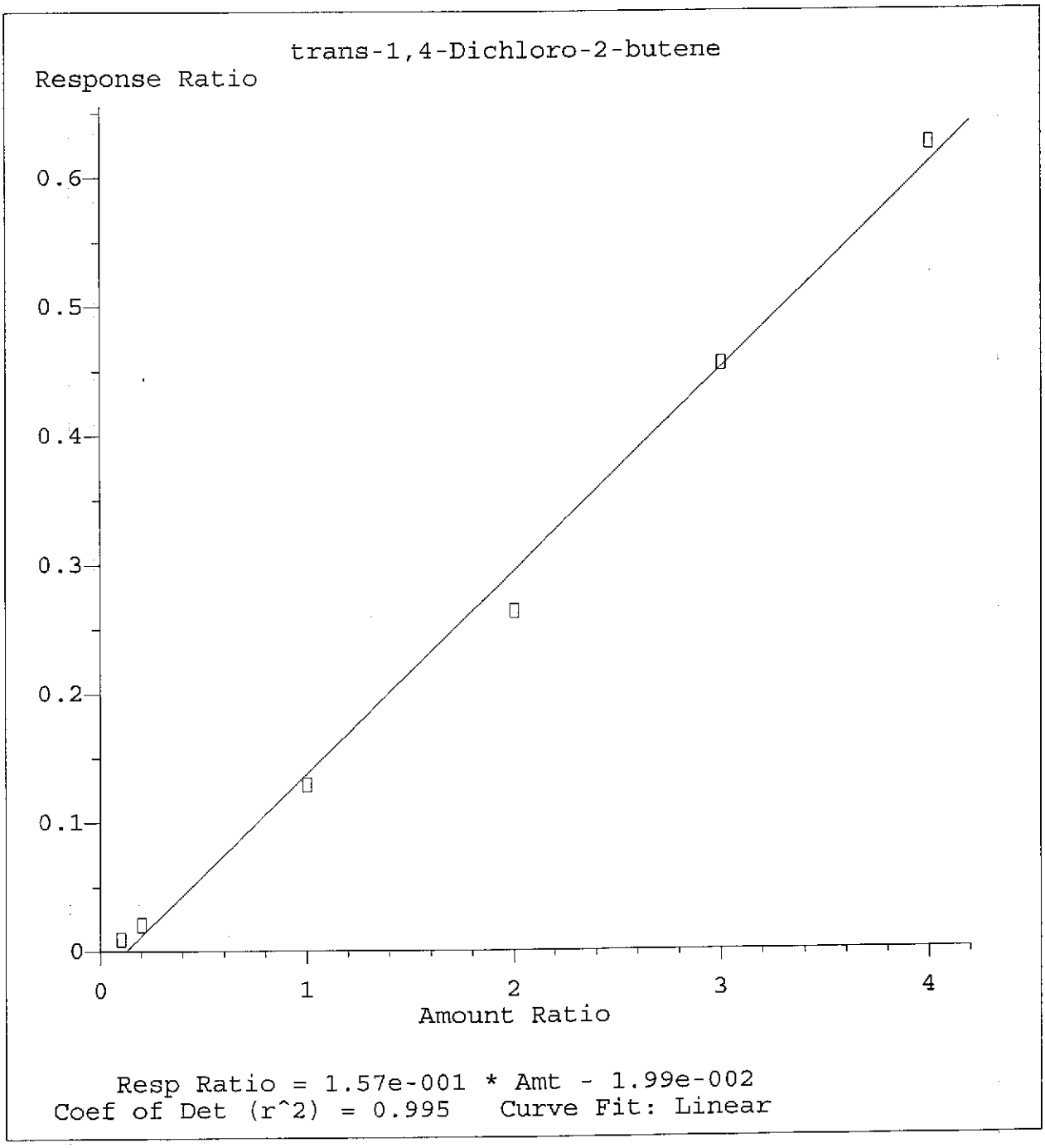
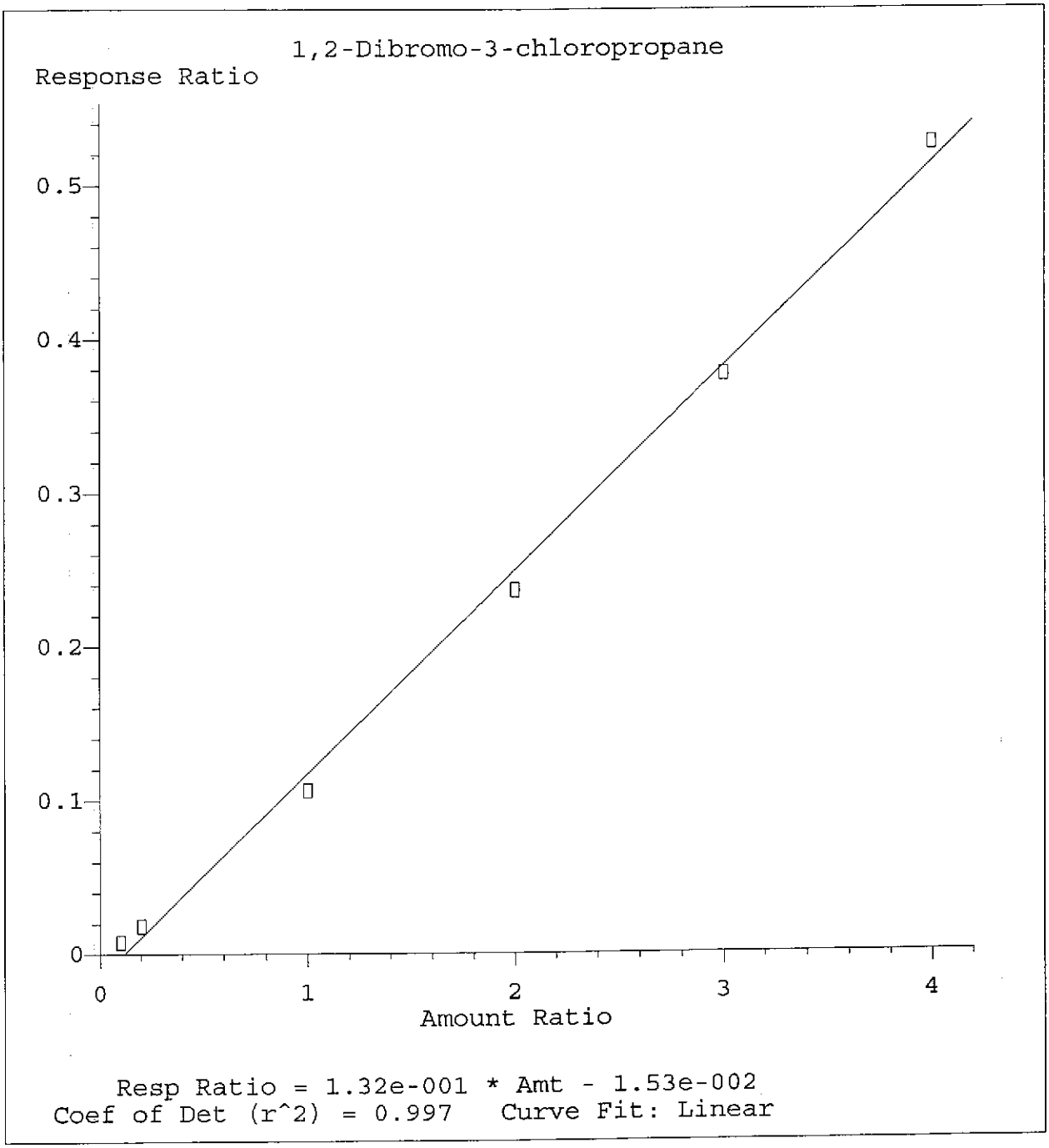
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



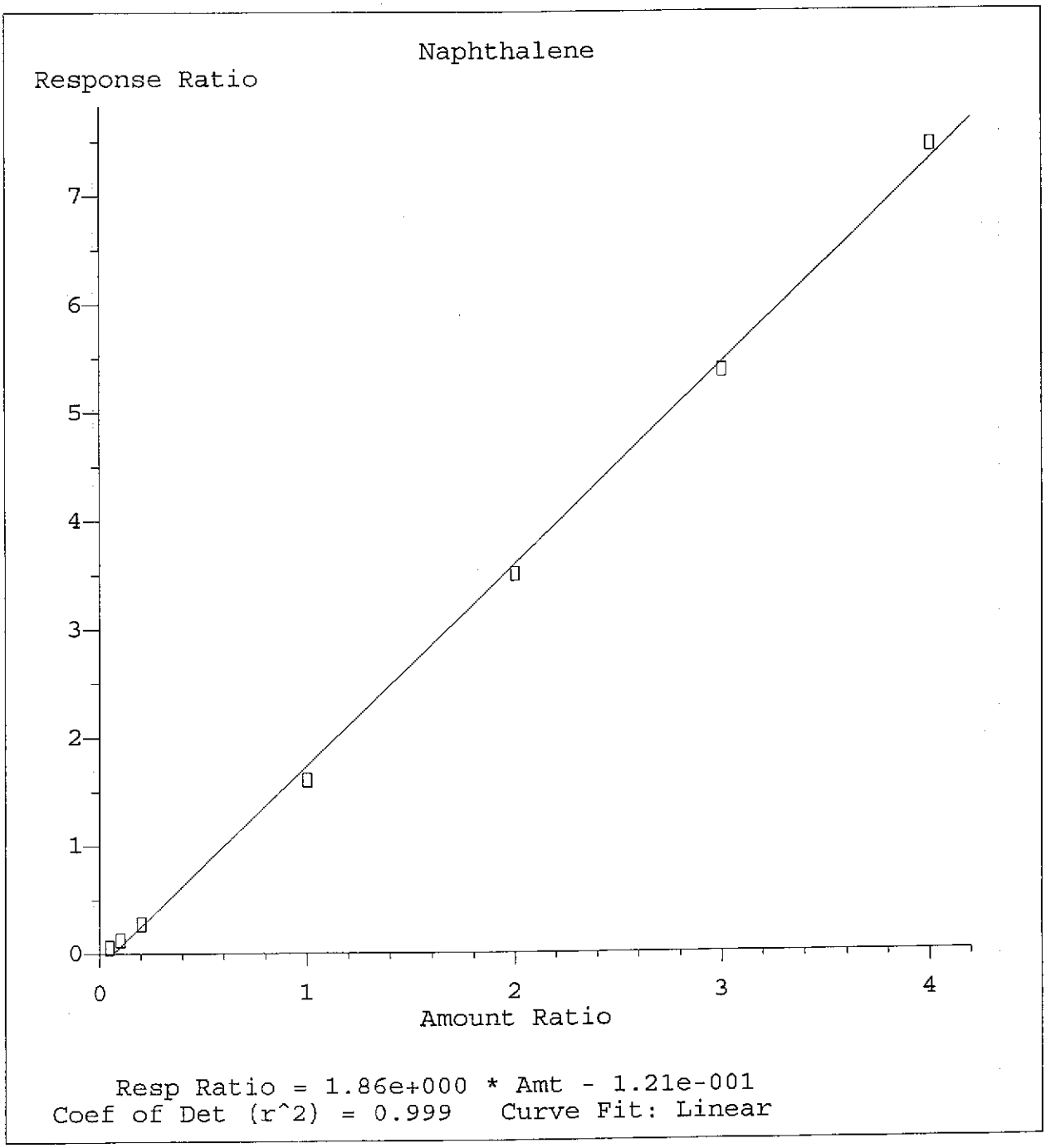
Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008



Method Name: C:\HPCHEM\1\METHODS\J911VOCW.M
Calibration Table Last Updated: Fri Sep 12 09:29:37 2008

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7031.D
Acq On : 11 Sep 2008 15:39
Sample : ICAL 0.5 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:45 2008

Vial: 3
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	10.29	96	1157530	10.00	ug/L		0.00
45) Chlorobenzene-d5	15.18	82	439464	10.00	ug/L		0.00
59) 1,4-Dichlorobenzene-d4	19.27	152	268811	10.00	ug/L		0.01
System Monitoring Compounds							
31) 1,2-Dichloroethane-d4	9.88	65	15643	0.49	ug/L		0.00
Spiked Amount 10.000			Recovery =	4.90%			
46) Toluene-d8	12.69	98	51909	0.48	ug/L		0.01
Spiked Amount 10.000			Recovery =	4.80%			
61) Bromofluorobenzene	17.27	95	18372	0.59	ug/L		0.02
Spiked Amount 10.000			Recovery =	5.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.95	85	21126	0.47	ug/L		96
3) Chloromethane	3.30	50	22086	0.48	ug/L		98
4) Vinyl chloride	3.44	62	27473	0.48	ug/L		97
5) Bromomethane	4.02	94	24246m	0.57	ug/L		
6) Chloroethane	4.24	64	19281	0.49	ug/L		88
7) Trichlorofluoromethane	4.49	101	31986	0.49	ug/L		94
8) 1,1-Dichloroethene	5.39	96	13869	0.51	ug/L		93
9) Carbon disulfide	5.44	76	46266	0.50	ug/L		99
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	14157	0.46	ug/L		93
11) Methyl iodide	5.63	142	4648	0.16	ug/L		94
12) Acrolein	0.00	56	0	N.D.	d		
13) Methylene chloride	6.35	84	22848	0.73	ug/L		97
14) Acetone	6.50	43	7386m	1.18	ug/L		
15) trans-1,2-Dichloroethene	6.62	96	13798	0.48	ug/L		95
16) Methyl acetate	6.83	43	13747	0.69	ug/L	#	58
17) Methyl tert-Butyl ether	6.80	73	37539	0.48	ug/L	#	72
18) 1,1-Dichloroethane	7.56	63	29465	0.53	ug/L		92
19) Acrylonitrile	0.00	53	0	N.D.	d		
20) Vinyl acetate	8.03	43	14848	0.47	ug/L	#	73
21) cis-1,2-Dichloroethene	8.41	96	14840	0.46	ug/L		94
22) 2,2-Dichloropropane	8.56	77	21658	0.50	ug/L		94
23) Bromochloromethane	8.70	128	6137	0.46	ug/L		94
24) Cyclohexane	8.70	56	25343	0.49	ug/L		99
25) Chloroform	8.80	83	27386	0.54	ug/L		96
26) Carbon tetrachloride	9.02	117	11286	0.40	ug/L		92
27) 1,1,1-Trichloroethane	9.13	97	20288	0.47	ug/L		100
28) 2-Butanone	9.32	43	8442	0.91	ug/L		95
29) 1,1-Dichloropropene	9.32	75	19596	0.47	ug/L		97
30) Benzene	9.67	78	62588	0.47	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7031.D
Acq On : 11 Sep 2008 15:39
Sample : ICAL 0.5 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:45 2008

Vial: 3
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) 1,2-Dichloroethane	9.98	62	17097	0.45 ug/L	98
33) Methylcyclohexane	10.54	83	23470	0.49 ug/L	94
34) Trichloroethene	10.56	130	14659	0.49 ug/L	97
35) Dibromomethane	11.20	93	7151	0.45 ug/L	94
36) 1,2-Dichloropropane	11.34	63	15949	0.52 ug/L #	86
37) Bromodichloromethane	11.43	83	15072	0.45 ug/L	97
38) 2-Chloroethylvinyl ether	12.28	63	15508	2.18 ug/L #	73
39) cis-1,3-Dichloropropene	12.40	75	17637	0.38 ug/L	81
40) Toluene	12.77	92	37708	0.47 ug/L	99
41) 4-Methyl-2-pentanone	13.36	43	17291	0.86 ug/L	85
42) trans-1,3-Dichloropropene	13.42	75	12959	0.35 ug/L #	68
43) 1,1,2-Trichloroethane	13.66	83	10378	0.52 ug/L	82
44) 2-Hexanone	14.71	43	7596	0.58 ug/L #	36
47) Tetrachloroethene	13.39	166	12642	0.48 ug/L	97
48) Dibromochloromethane	13.97	129	7556	0.40 ug/L	90
49) 1,3-Dichloropropane	14.12	76	18885	0.45 ug/L	99
50) 1,2-Dibromoethane	14.37	107	10236	0.50 ug/L #	93
51) 1-Chlorohexane	15.15	91	16644	0.43 ug/L #	49
52) Chlorobenzene	15.21	112	37110	0.46 ug/L	79
53) Ethylbenzene	15.24	91	68365	0.48 ug/L	95
54) 1,1,1,2-Tetrachloroethane	15.31	131	9748	0.46 ug/L #	78
55) (m+p)-Xylene	15.49	106	48671	0.88 ug/L	100
56) o-Xylene	16.22	106	23746	0.45 ug/L	99
57) Styrene	16.31	104	27924	0.37 ug/L	92
58) Bromoform	16.38	173	2035	0.24 ug/L #	77
60) Isopropylbenzene	16.75	105	52507	0.49 ug/L	99
62) Bromobenzene	17.45	156	13178	0.51 ug/L	92
63) n-Propylbenzene	17.47	91	56356	0.43 ug/L	95
64) 1,1,2,2-Tetrachloroethane	17.60	83	11102	0.46 ug/L	85
65) 2-Chlorotoluene	17.77	91	42949	0.49 ug/L	99
66) 1,3,5-Trimethylbenzene	17.81	105	36625	0.43 ug/L	98
67) 1,2,3-Trichloropropane	17.84	75	11414	0.57 ug/L #	100
68) trans-1,4-Dichloro-2-buten	0.00	89	0	N.D. d	
69) 4-Chlorotoluene	18.06	91	37635	0.48 ug/L	94
70) tert-Butylbenzene	18.38	119	30457	0.47 ug/L	98
71) 1,2,4-Trimethylbenzene	18.52	105	34586	0.45 ug/L	96
72) sec-Butylbenzene	18.71	105	44136	0.46 ug/L	98
73) p-Isopropyltoluene	18.96	119	33707	0.47 ug/L	98
74) 1,3-Dichlorobenzene	19.14	146	25060	0.54 ug/L	87
75) 1,4-Dichlorobenzene	19.30	146	22979	0.53 ug/L	78
76) n-Butylbenzene	19.74	91	28310	0.51 ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7031.D
Acq On : 11 Sep 2008 15:39
Sample : ICAL 0.5 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:45 2008

Vial: 3
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	1,2-Dichlorobenzene	20.07	146	21771	0.50 ug/L	96
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D. d	
79)	Hexachlorobutadiene	22.71	225	3778	0.60 ug/L #	47
80)	1,2,4-Trichlorobenzene	22.76	180	9352	0.52 ug/L	83
81)	Naphthalene	23.26	128	14874	0.34 ug/L	100
82)	1,2,3-Trichlorobenzene	23.54	180	6488	0.42 ug/L	98

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

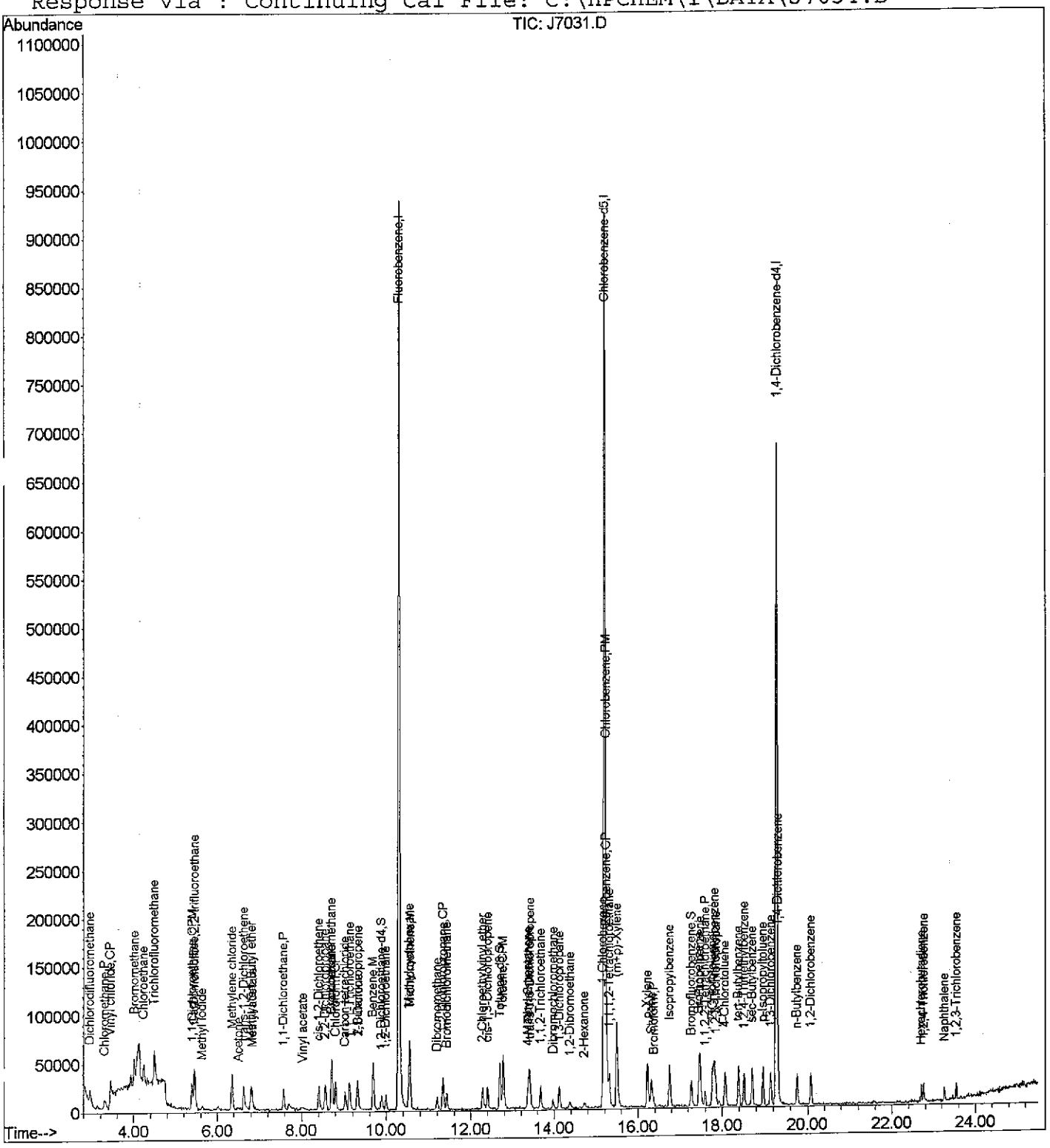
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7031.D
Acq On : 11 Sep 2008 15:39
Sample : ICAL 0.5 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:45 2008

Vial: 3
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7032.D
Acq On : 11 Sep 2008 16:13
Sample : ICAL 1.0 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:50 2008

Vial: 4
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	10.29	96	1161664	10.00	ug/L		0.00
45) Chlorobenzene-d5	15.18	82	435984	10.00	ug/L		0.00
59) 1,4-Dichlorobenzene-d4	19.27	152	272298	10.00	ug/L		0.01
System Monitoring Compounds							
31) 1,2-Dichloroethane-d4	9.88	65	33051	1.03	ug/L		0.00
Spiked Amount 10.000			Recovery =	10.30%			
46) Toluene-d8	12.68	98	103931	0.96	ug/L		0.00
Spiked Amount 10.000			Recovery =	9.60%			
61) Bromofluorobenzene	17.26	95	32243	1.01	ug/L		0.01
Spiked Amount 10.000			Recovery =	10.10%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.95	85	40079	0.88	ug/L		99
3) Chloromethane	3.30	50	44301	0.95	ug/L	#	42
4) Vinyl chloride	3.44	62	53201	0.92	ug/L		98
5) Bromomethane	4.02	94	52217m	1.23	ug/L		
6) Chloroethane	4.24	64	37530	0.96	ug/L		100
7) Trichlorofluoromethane	4.50	101	63895	0.97	ug/L		94
8) 1,1-Dichloroethene	5.39	96	27590	1.01	ug/L		92
9) Carbon disulfide	5.44	76	85237	0.92	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	30255	0.99	ug/L	#	56
11) Methyl iodide	5.63	142	14050	0.47	ug/L		82
12) Acrolein	5.99	56	13399	3.68	ug/L	#	86
13) Methylene chloride	6.35	84	37712	1.20	ug/L		96
14) Acetone	6.49	43	10851	1.73	ug/L		75
15) trans-1,2-Dichloroethene	6.61	96	29185	1.02	ug/L		95
16) Methyl acetate	6.80	43	24022	1.20	ug/L		95
17) Methyl tert-Butyl ether	6.80	73	76719	0.98	ug/L		93
18) 1,1-Dichloroethane	7.57	63	56488	1.02	ug/L		95
19) Acrylonitrile	7.69	53	31405	4.30	ug/L		89
20) Vinyl acetate	7.99	43	26904	0.85	ug/L		91
21) cis-1,2-Dichloroethene	8.41	96	30675	0.95	ug/L		91
22) 2,2-Dichloropropane	8.56	77	41937	0.96	ug/L		96
23) Bromochloromethane	8.70	128	12374	0.93	ug/L		89
24) Cyclohexane	8.71	56	48902	0.94	ug/L		96
25) Chloroform	8.80	83	50951	1.01	ug/L		97
26) Carbon tetrachloride	9.02	117	25320	0.90	ug/L		99
27) 1,1,1-Trichloroethane	9.12	97	41429	0.96	ug/L		97
28) 2-Butanone	9.29	43	14866	1.59	ug/L		99
29) 1,1-Dichloropropene	9.31	75	38010	0.90	ug/L		93
30) Benzene	9.67	78	130674	0.97	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7032.D
Acq On : 11 Sep 2008 16:13
Sample : ICAL 1.0 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:50 2008

Vial: 4
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) 1,2-Dichloroethane	9.98	62	37149	0.97 ug/L	90
33) Methylcyclohexane	10.55	83	44707	0.93 ug/L	97
34) Trichloroethene	10.55	130	29183	0.97 ug/L	99
35) Dibromomethane	11.19	93	15039	0.95 ug/L	95
36) 1,2-Dichloropropane	11.33	63	29843	0.98 ug/L #	86
37) Bromodichloromethane	11.43	83	29739	0.89 ug/L	97
38) 2-Chloroethylvinyl ether	12.28	63	35313	4.94 ug/L	96
39) cis-1,3-Dichloropropene	12.40	75	39466	0.84 ug/L	89
40) Toluene	12.77	92	76027	0.93 ug/L	97
41) 4-Methyl-2-pentanone	13.35	43	31446	1.56 ug/L	93
42) trans-1,3-Dichloropropene	13.41	75	29438	0.79 ug/L	83
43) 1,1,2-Trichloroethane	13.66	83	18708	0.93 ug/L	93
44) 2-Hexanone	14.71	43	16090	1.23 ug/L	98
47) Tetrachloroethene	13.39	166	27181	1.05 ug/L	98
48) Dibromochloromethane	13.96	129	15819	0.84 ug/L	96
49) 1,3-Dichloropropane	14.12	76	40819	0.98 ug/L	97
50) 1,2-Dibromoethane	14.37	107	17960	0.88 ug/L #	87
51) 1-Chlorohexane	15.15	91	32586	0.85 ug/L	72
52) Chlorobenzene	15.22	112	82288	1.04 ug/L	95
53) Ethylbenzene	15.25	91	132604	0.93 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.31	131	19045	0.91 ug/L	91
55) (m+p)-Xylene	15.49	106	97497	1.78 ug/L	97
56) o-Xylene	16.22	106	46205	0.87 ug/L	93
57) Styrene	16.31	104	61007	0.80 ug/L	97
58) Bromoform	16.37	173	6004	0.70 ug/L	93
60) Isopropylbenzene	16.75	105	104506	0.96 ug/L	99
62) Bromobenzene	17.45	156	28342	1.08 ug/L	97
63) n-Propylbenzene	17.47	91	121201	0.91 ug/L	100
64) 1,1,2,2-Tetrachloroethane	17.59	83	24643	1.01 ug/L	97
65) 2-Chlorotoluene	17.77	91	91218	1.03 ug/L	94
66) 1,3,5-Trimethylbenzene	17.81	105	75050	0.87 ug/L	98
67) 1,2,3-Trichloropropane	17.84	75	22895	1.12 ug/L #	100
68) trans-1,4-Dichloro-2-buten	17.90	89	2452	0.70 ug/L #	1
69) 4-Chlorotoluene	18.06	91	77722	0.98 ug/L	100
70) tert-Butylbenzene	18.38	119	62167	0.94 ug/L	96
71) 1,2,4-Trimethylbenzene	18.52	105	70627	0.91 ug/L	94
72) sec-Butylbenzene	18.71	105	91004	0.94 ug/L	98
73) p-Isopropyltoluene	18.96	119	67497	0.93 ug/L	97
74) 1,3-Dichlorobenzene	19.13	146	47722	1.02 ug/L	96
75) 1,4-Dichlorobenzene	19.29	146	46288	1.05 ug/L	94
76) n-Butylbenzene	19.74	91	56428	1.00 ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7032.D
Acq On : 11 Sep 2008 16:13
Sample : ICAL 1.0 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:50 2008

Vial: 4
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77) 1,2-Dichlorobenzene	20.07	146	42264	0.96	ug/L		99
78) 1,2-Dibromo-3-chloropropan	21.56	75	2109	0.73	ug/L	#	57
79) Hexachlorobutadiene	22.70	225	6319	0.99	ug/L		94
80) 1,2,4-Trichlorobenzene	22.75	180	18994	1.04	ug/L		92
81) Naphthalene	23.26	128	33697	0.77	ug/L		100
82) 1,2,3-Trichlorobenzene	23.54	180	14530	0.94	ug/L		94

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

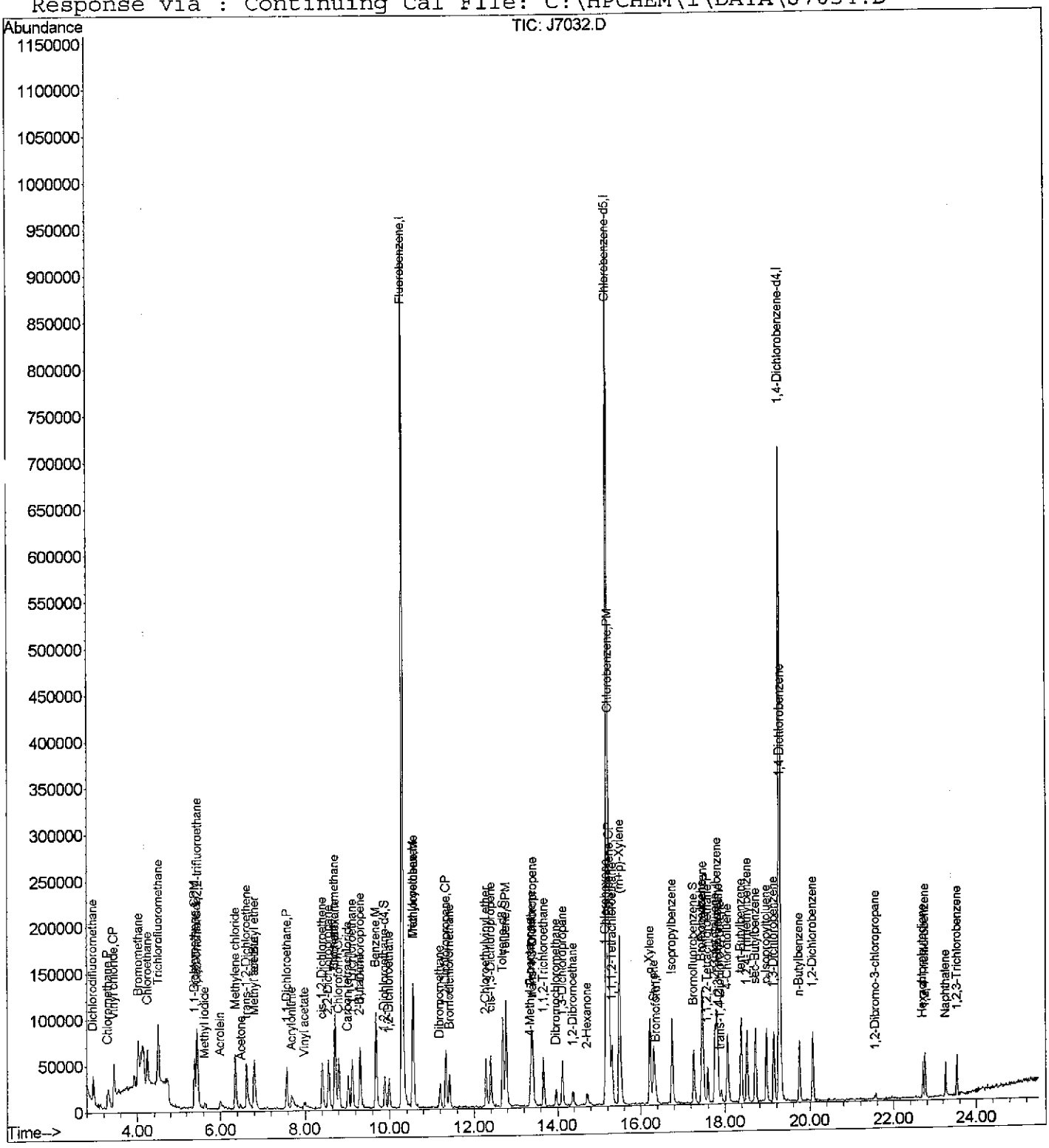
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7032.D
Acq On : 11 Sep 2008 16:13
Sample : ICAL 1.0 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:50 2008

Vial: 4
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7033.D
Acq On : 11 Sep 2008 16:47
Sample : ICAL 2.0 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:56 2008

Vial: 5
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	10.29	96	1149334	10.00	ug/L		0.00
45) Chlorobenzene-d5	15.18	82	440149	10.00	ug/L		0.00
59) 1,4-Dichlorobenzene-d4	19.27	152	279675	10.00	ug/L		0.01
System Monitoring Compounds							
31) 1,2-Dichloroethane-d4	9.88	65	65909	2.08	ug/L		0.00
Spiked Amount 10.000			Recovery = 20.80%				
46) Toluene-d8	12.68	98	211672	1.95	ug/L		0.00
Spiked Amount 10.000			Recovery = 19.50%				
61) Bromofluorobenzene	17.26	95	68987	2.11	ug/L		0.01
Spiked Amount 10.000			Recovery = 21.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.95	85	83954	1.87	ug/L		96
3) Chloromethane	3.30	50	89558	1.95	ug/L	#	42
4) Vinyl chloride	3.44	62	105774	1.86	ug/L		95
5) Bromomethane	4.02	94	98269	2.35	ug/L		94
6) Chloroethane	4.24	64	75600	1.95	ug/L		95
7) Trichlorofluoromethane	4.49	101	124710	1.91	ug/L		98
8) 1,1-Dichloroethene	5.38	96	52796	1.96	ug/L		99
9) Carbon disulfide	5.44	76	174770	1.90	ug/L		98
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	55553	1.83	ug/L		96
11) Methyl iodide	5.63	142	36019	1.23	ug/L		99
12) Acrolein	5.98	56	32017	8.89	ug/L	#	92
13) Methylene chloride	6.35	84	65217	2.10	ug/L		96
14) Acetone	6.47	43	21061	3.39	ug/L	#	46
15) trans-1,2-Dichloroethene	6.61	96	56517	2.00	ug/L		95
16) Methyl acetate	6.79	43	44892	2.27	ug/L		93
17) Methyl tert-Butyl ether	6.80	73	151635	1.95	ug/L		96
18) 1,1-Dichloroethane	7.57	63	112750	2.05	ug/L		96
19) Acrylonitrile	7.67	53	72495m	10.03	ug/L		
20) Vinyl acetate	7.98	43	54360	1.74	ug/L		89
21) cis-1,2-Dichloroethene	8.40	96	64940	2.02	ug/L		98
22) 2,2-Dichloropropane	8.56	77	87065	2.01	ug/L		95
23) Bromochloromethane	8.70	128	25315	1.91	ug/L		94
24) Cyclohexane	8.71	56	98720	1.91	ug/L		98
25) Chloroform	8.80	83	104486	2.09	ug/L		98
26) Carbon tetrachloride	9.02	117	51628	1.84	ug/L		100
27) 1,1,1-Trichloroethane	9.12	97	81546	1.91	ug/L		95
28) 2-Butanone	9.29	43	32806	3.54	ug/L		88
29) 1,1-Dichloropropene	9.31	75	79580	1.90	ug/L		99
30) Benzene	9.67	78	265019	1.99	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7033.D
Acq On : 11 Sep 2008 16:47
Sample : ICAL 2.0 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:56 2008

Vial: 5
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32) 1,2-Dichloroethane	9.98	62	75971	2.01	ug/L		98
33) Methylcyclohexane	10.55	83	92088	1.93	ug/L		97
34) Trichloroethene	10.55	130	60131	2.03	ug/L		94
35) Dibromomethane	11.19	93	28726	1.84	ug/L		90
36) 1,2-Dichloropropane	11.33	63	62456	2.06	ug/L		97
37) Bromodichloromethane	11.43	83	61900	1.87	ug/L		97
38) 2-Chloroethylvinyl ether	12.27	63	79324	11.23	ug/L		98
39) cis-1,3-Dichloropropene	12.39	75	83635	1.79	ug/L		99
40) Toluene	12.77	92	154492	1.92	ug/L		97
41) 4-Methyl-2-pentanone	13.35	43	69092	3.47	ug/L		97
42) trans-1,3-Dichloropropene	13.42	75	62880	1.70	ug/L		96
43) 1,1,2-Trichloroethane	13.67	83	39494	1.98	ug/L		95
44) 2-Hexanone	14.70	43	42053	3.25	ug/L		92
47) Tetrachloroethene	13.39	166	52173	2.00	ug/L	#	73
48) Dibromochloromethane	13.97	129	30010	1.58	ug/L		98
49) 1,3-Dichloropropane	14.12	76	82821	1.97	ug/L		98
50) 1,2-Dibromoethane	14.36	107	40554	1.98	ug/L		97
51) 1-Chlorohexane	15.15	91	70456	1.82	ug/L		90
52) Chlorobenzene	15.21	112	161023	2.01	ug/L		96
53) Ethylbenzene	15.24	91	284517	1.99	ug/L		98
54) 1,1,1,2-Tetrachloroethane	15.31	131	37659	1.77	ug/L		96
55) (m+p)-Xylene	15.48	106	209998	3.80	ug/L		99
56) o-Xylene	16.22	106	102290	1.91	ug/L		96
57) Styrene	16.31	104	137647	1.80	ug/L		97
58) Bromoform	16.37	173	14298	1.66	ug/L		93
60) Isopropylbenzene	16.75	105	224578	2.00	ug/L		97
62) Bromobenzene	17.45	156	55360	2.06	ug/L		99
63) n-Propylbenzene	17.47	91	260078	1.91	ug/L		98
64) 1,1,2,2-Tetrachloroethane	17.60	83	50740	2.02	ug/L		99
65) 2-Chlorotoluene	17.77	91	191332	2.11	ug/L		99
66) 1,3,5-Trimethylbenzene	17.81	105	168291	1.90	ug/L		98
67) 1,2,3-Trichloropropane	17.84	75	45025	2.15	ug/L	#	100
68) trans-1,4-Dichloro-2-buten	17.91	89	5751	1.59	ug/L		83
69) 4-Chlorotoluene	18.06	91	164176	2.02	ug/L		100
70) tert-Butylbenzene	18.38	119	134078	1.98	ug/L		99
71) 1,2,4-Trimethylbenzene	18.51	105	153566	1.94	ug/L		99
72) sec-Butylbenzene	18.71	105	187586	1.90	ug/L		97
73) p-Isopropyltoluene	18.96	119	142276	1.90	ug/L		99
74) 1,3-Dichlorobenzene	19.13	146	103088	2.15	ug/L		97
75) 1,4-Dichlorobenzene	19.29	146	94829	2.10	ug/L		98
76) n-Butylbenzene	19.74	91	118187	2.03	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7033.D
Acq On : 11 Sep 2008 16:47
Sample : ICAL 2.0 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:56 2008

Vial: 5
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) 1,2-Dichlorobenzene	20.07	146	91380	2.02	ug/L	97
78) 1,2-Dibromo-3-chloropropan	21.57	75	5080	1.71	ug/L	94
79) Hexachlorobutadiene	22.70	225	13882	2.13	ug/L	90
80) 1,2,4-Trichlorobenzene	22.75	180	41432	2.20	ug/L	89
81) Naphthalene	23.26	128	76660	1.71	ug/L	100
82) 1,2,3-Trichlorobenzene	23.54	180	33184	2.08	ug/L	94

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

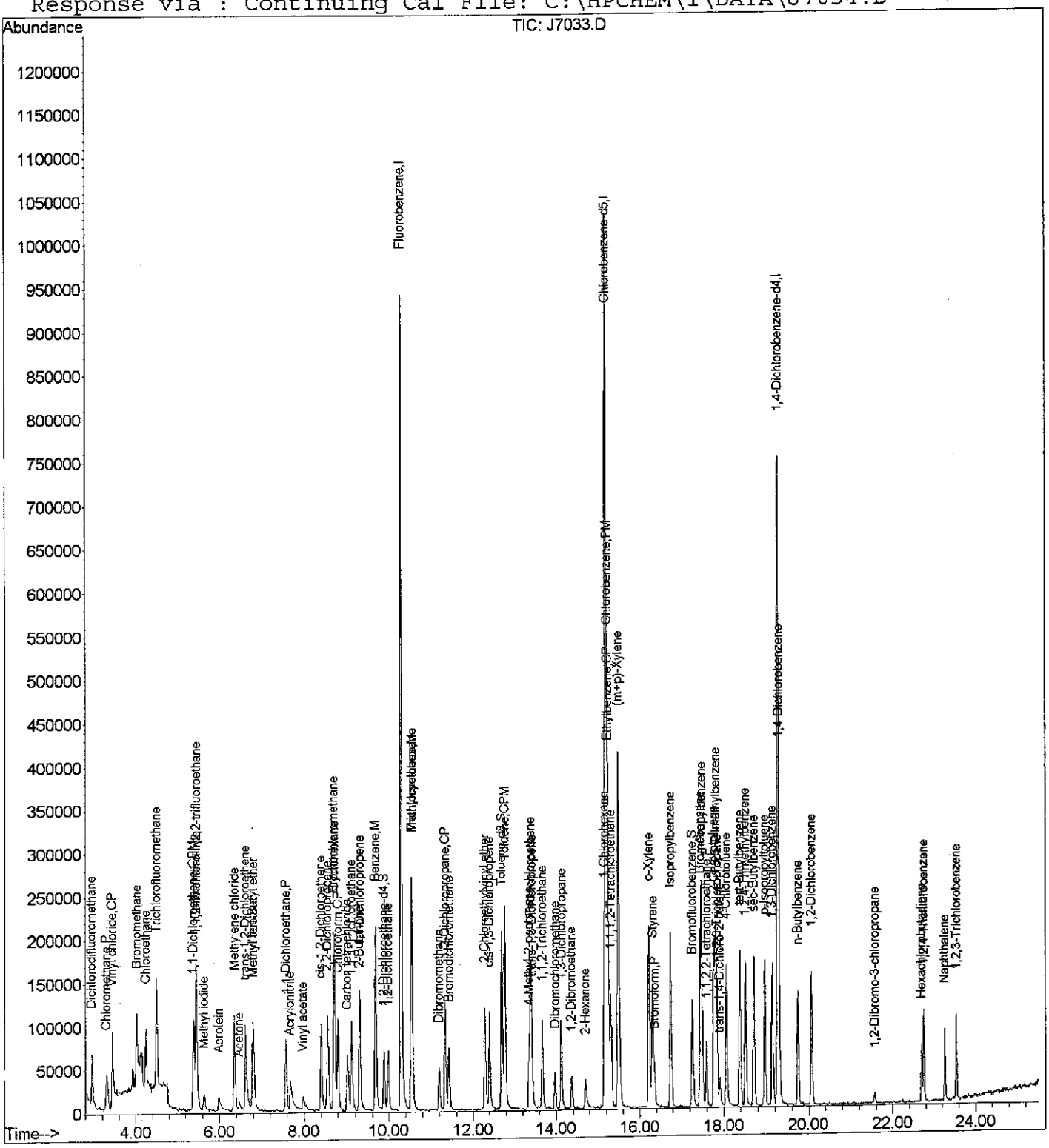
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7033.D
Acq On : 11 Sep 2008 16:47
Sample : ICAL 2.0 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:56 2008

Vial: 5
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7034.D
Acq On : 11 Sep 2008 17:20
Sample : ICAL 10 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:28 2008

Vial: 6
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	10.29	96	1149413	10.00	ug/L		0.00
45) Chlorobenzene-d5	15.18	82	440234	10.00	ug/L		0.00
59) 1,4-Dichlorobenzene-d4	19.26	152	303083	10.00	ug/L		0.00
System Monitoring Compounds							
31) 1,2-Dichloroethane-d4	9.87	65	317033	10.00	ug/L		0.00
Spiked Amount 10.000			Recovery = 100.00%				
46) Toluene-d8	12.68	98	1088037	10.00	ug/L		0.00
Spiked Amount 10.000			Recovery = 100.00%				
61) Bromofluorobenzene	17.25	95	353882	10.00	ug/L		0.00
Spiked Amount 10.000			Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.95	85	449004	10.00	ug/L		97
3) Chloromethane	3.30	50	459045	10.00	ug/L		100
4) Vinyl chloride	3.44	62	569380	10.00	ug/L		99
5) Bromomethane	4.02	94	418765	10.00	ug/L		98
6) Chloroethane	4.24	64	387375	10.00	ug/L		100
7) Trichlorofluoromethane	4.49	101	651722	10.00	ug/L		99
8) 1,1-Dichloroethene	5.39	96	269603	10.00	ug/L		100
9) Carbon disulfide	5.44	76	918395	10.00	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	303683	10.00	ug/L		95
11) Methyl iodide	5.63	142	293900	10.00	ug/L		99
12) Acrolein	5.97	56	180186	50.00	ug/L	#	100
13) Methylene chloride	6.35	84	310478	10.00	ug/L		99
14) Acetone	6.45	43	124357	20.00	ug/L		95
15) trans-1,2-Dichloroethene	6.61	96	282543	10.00	ug/L		99
16) Methyl acetate	6.79	43	197488	10.00	ug/L		99
17) Methyl tert-Butyl ether	6.79	73	778293	10.00	ug/L		99
18) 1,1-Dichloroethane	7.57	63	550494	10.00	ug/L		99
19) Acrylonitrile	7.66	53	361452	50.00	ug/L		98
20) Vinyl acetate	7.95	43	312383	10.00	ug/L		98
21) cis-1,2-Dichloroethene	8.40	96	320860	10.00	ug/L		98
22) 2,2-Dichloropropane	8.56	77	432198	10.00	ug/L		99
23) Bromochloromethane	8.70	128	132279	10.00	ug/L		99
24) Cyclohexane	8.71	56	517197	10.00	ug/L		96
25) Chloroform	8.80	83	499515	10.00	ug/L		97
26) Carbon tetrachloride	9.02	117	279853	10.00	ug/L		98
27) 1,1,1-Trichloroethane	9.13	97	426105	10.00	ug/L		99
28) 2-Butanone	9.27	43	185112	20.00	ug/L	#	38
29) 1,1-Dichloropropene	9.30	75	418115	10.00	ug/L		99
30) Benzene	9.67	78	1328869	10.00	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7034.D
Acq On : 11 Sep 2008 17:20
Sample : ICAL 10 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:28 2008

Vial: 6
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32) 1,2-Dichloroethane	9.97	62	378757	10.00	ug/L		98
33) Methylcyclohexane	10.54	83	476210	10.00	ug/L		99
34) Trichloroethene	10.55	130	296391	10.00	ug/L		100
35) Dibromomethane	11.19	93	156485	10.00	ug/L		96
36) 1,2-Dichloropropane	11.33	63	302786	10.00	ug/L		99
37) Bromodichloromethane	11.43	83	331006	10.00	ug/L		99
38) 2-Chloroethylvinyl ether	12.27	63	353306	50.00	ug/L		97
39) cis-1,3-Dichloropropene	12.39	75	466579	10.00	ug/L		98
40) Toluene	12.77	92	805007	10.00	ug/L		99
41) 4-Methyl-2-pentanone	13.35	43	397821	20.00	ug/L		99
42) trans-1,3-Dichloropropene	13.41	75	370997	10.00	ug/L		98
43) 1,1,2-Trichloroethane	13.66	83	199733	10.00	ug/L		98
44) 2-Hexanone	14.69	43	259050	20.00	ug/L		94
47) Tetrachloroethene	13.39	166	261560	10.00	ug/L		98
48) Dibromochloromethane	13.96	129	190315	10.00	ug/L		98
49) 1,3-Dichloropropane	14.11	76	419716	10.00	ug/L		99
50) 1,2-Dibromoethane	14.36	107	205145	10.00	ug/L		97
51) 1-Chlorohexane	15.15	91	387985	10.00	ug/L		96
52) Chlorobenzene	15.21	112	799623	10.00	ug/L		99
53) Ethylbenzene	15.24	91	1433098	10.00	ug/L		100
54) 1,1,1,2-Tetrachloroethane	15.31	131	212343	10.00	ug/L		99
55) (m+p)-Xylene	15.48	106	1105237	20.00	ug/L		99
56) o-Xylene	16.21	106	534437	10.00	ug/L		99
57) Styrene	16.30	104	766167	10.00	ug/L		99
58) Bromoform	16.36	173	86343	10.00	ug/L		97
60) Isopropylbenzene	16.74	105	1217963	10.00	ug/L		100
62) Bromobenzene	17.44	156	291559	10.00	ug/L		96
63) n-Propylbenzene	17.47	91	1475001	10.00	ug/L		99
64) 1,1,2,2-Tetrachloroethane	17.59	83	272324	10.00	ug/L		97
65) 2-Chlorotoluene	17.76	91	983371	10.00	ug/L		99
66) 1,3,5-Trimethylbenzene	17.81	105	960977	10.00	ug/L		98
67) 1,2,3-Trichloropropane	17.84	75	227367	10.00	ug/L	#	100
68) trans-1,4-Dichloro-2-buten	17.91	89	39152	10.00	ug/L		89
69) 4-Chlorotoluene	18.05	91	879449	10.00	ug/L		99
70) tert-Butylbenzene	18.38	119	733629	10.00	ug/L		100
71) 1,2,4-Trimethylbenzene	18.51	105	859460	10.00	ug/L		98
72) sec-Butylbenzene	18.71	105	1072029	10.00	ug/L		99
73) p-Isopropyltoluene	18.96	119	810478	10.00	ug/L		98
74) 1,3-Dichlorobenzene	19.13	146	519839	10.00	ug/L		100
75) 1,4-Dichlorobenzene	19.29	146	488961	10.00	ug/L		98
76) n-Butylbenzene	19.74	91	630101	10.00	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7034.D
Acq On : 11 Sep 2008 17:20
Sample : ICAL 10 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:28 2008

Vial: 6
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) 1,2-Dichlorobenzene	20.07	146	489226	10.00	ug/L	98
78) 1,2-Dibromo-3-chloropropan	21.56	75	32139	10.00	ug/L	97
79) Hexachlorobutadiene	22.70	225	70739	10.00	ug/L	96
80) 1,2,4-Trichlorobenzene	22.75	180	204215	10.00	ug/L	96
81) Naphthalene	23.26	128	486926	10.00	ug/L	100
82) 1,2,3-Trichlorobenzene	23.54	180	172569	10.00	ug/L	98

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

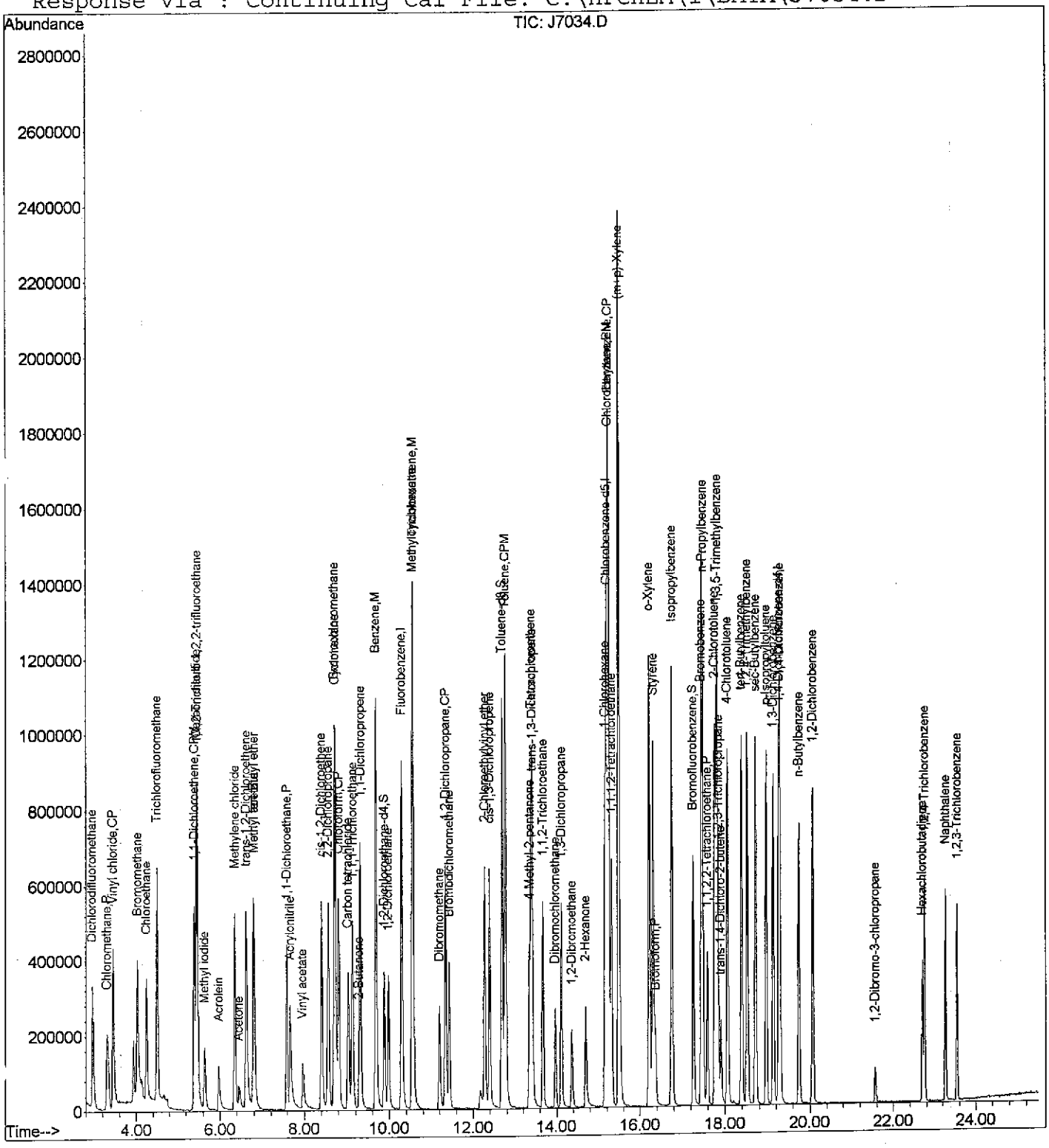
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7034.D
Acq On : 11 Sep 2008 17:20
Sample : ICAL 10 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:28 2008

Vial: 6
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7035.D
Acq On : 11 Sep 2008 17:54
Sample : ICAL 20 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:58 2008

Vial: 7
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1175074	10.00	ug/L	0.00
45) Chlorobenzene-d5	15.19	82	468745	10.00	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	19.26	152	308540	10.00	ug/L	0.00
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	9.87	65	633679	19.55	ug/L	0.00
Spiked Amount 10.000			Recovery =	195.50%		
46) Toluene-d8	12.68	98	2203682	19.02	ug/L	0.00
Spiked Amount 10.000			Recovery =	190.20%		
61) Bromofluorobenzene	17.25	95	725354	20.13	ug/L	0.00
Spiked Amount 10.000			Recovery =	201.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	913255	19.90	ug/L	99
3) Chloromethane	3.30	50	950809	20.26	ug/L	99
4) Vinyl chloride	3.44	62	1158816	19.91	ug/L	100
5) Bromomethane	4.02	94	828477	19.35	ug/L	98
6) Chloroethane	4.24	64	783931	19.80	ug/L	99
7) Trichlorofluoromethane	4.50	101	1319932	19.81	ug/L	98
8) 1,1-Dichloroethene	5.38	96	558760	20.27	ug/L	98
9) Carbon disulfide	5.44	76	1898314	20.22	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	5.46	101	618277	19.91	ug/L	95
11) Methyl iodide	5.63	142	646764	21.53	ug/L	96
12) Acrolein	5.96	56	376121	102.09	ug/L	97
13) Methylene chloride	6.34	84	616884	19.43	ug/L	98
14) Acetone	6.45	43	262221	41.25	ug/L	95
15) trans-1,2-Dichloroethene	6.62	96	583337	20.20	ug/L	99
16) Methyl acetate	6.79	43	385505	19.09	ug/L	98
17) Methyl tert-Butyl ether	6.80	73	1615545	20.30	ug/L	97
18) 1,1-Dichloroethane	7.57	63	1129422	20.07	ug/L	99
19) Acrylonitrile	7.65	53	786682	106.45	ug/L	99
20) Vinyl acetate	7.96	43	670463	20.99	ug/L	99
21) cis-1,2-Dichloroethene	8.40	96	658470	20.07	ug/L	98
22) 2,2-Dichloropropane	8.56	77	859833	19.46	ug/L	99
23) Bromochloromethane	8.70	128	268534	19.86	ug/L	99
24) Cyclohexane	8.72	56	1066726	20.17	ug/L	96
25) Chloroform	8.80	83	1026108	20.09	ug/L	99
26) Carbon tetrachloride	9.02	117	604157	21.12	ug/L	99
27) 1,1,1-Trichloroethane	9.12	97	874627	20.08	ug/L	98
28) 2-Butanone	9.26	43	390383	41.26	ug/L	97
29) 1,1-Dichloropropene	9.31	75	858570	20.09	ug/L	100
30) Benzene	9.68	78	2738727	20.16	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7035.D
Acq On : 11 Sep 2008 17:54
Sample : ICAL 20 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:58 2008

Vial: 7
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	1,2-Dichloroethane	9.97	62	770106	19.89	ug/L		98
33)	Methylcyclohexane	10.54	83	996793	20.47	ug/L		99
34)	Trichloroethene	10.55	130	610555	20.15	ug/L		99
35)	Dibromomethane	11.19	93	324102	20.26	ug/L		98
36)	1,2-Dichloropropane	11.33	63	641678	20.73	ug/L		99
37)	Bromodichloromethane	11.42	83	696686	20.59	ug/L		99
38)	2-Chloroethylvinyl ether	12.27	63	681187	94.30	ug/L		98
39)	cis-1,3-Dichloropropene	12.39	75	968640	20.31	ug/L		98
40)	Toluene	12.76	92	1653681	20.09	ug/L		100
41)	4-Methyl-2-pentanone	13.34	43	852602	41.93	ug/L		99
42)	trans-1,3-Dichloropropene	13.40	75	794948	20.96	ug/L		97
43)	1,1,2-Trichloroethane	13.67	83	401719	19.67	ug/L		98
44)	2-Hexanone	14.69	43	577569	43.62	ug/L		94
47)	Tetrachloroethene	13.39	166	539571	19.37	ug/L		100
48)	Dibromochloromethane	13.96	129	419551	20.70	ug/L		100
49)	1,3-Dichloropropane	14.11	76	850039	19.02	ug/L		100
50)	1,2-Dibromoethane	14.36	107	426734	19.54	ug/L		98
51)	1-Chlorohexane	15.14	91	784687	18.99	ug/L		98
52)	Chlorobenzene	15.22	112	1622913	19.06	ug/L		99
53)	Ethylbenzene	15.24	91	2978690	19.52	ug/L		100
54)	1,1,1,2-Tetrachloroethane	15.31	131	445198	19.69	ug/L		99
55)	(m+p)-Xylene	15.48	106	2292734	38.97	ug/L		100
56)	o-Xylene	16.21	106	1104691	19.41	ug/L		98
57)	Styrene	16.30	104	1623240	19.90	ug/L		98
58)	Bromoform	16.37	173	201024	21.87	ug/L		98
60)	Isopropylbenzene	16.75	105	2534172	20.44	ug/L		100
62)	Bromobenzene	17.44	156	577780	19.47	ug/L		93
63)	n-Propylbenzene	17.46	91	3109365	20.71	ug/L		100
64)	1,1,2,2-Tetrachloroethane	17.59	83	544399	19.64	ug/L		99
65)	2-Chlorotoluene	17.76	91	2064032	20.62	ug/L		97
66)	1,3,5-Trimethylbenzene	17.80	105	2023591	20.69	ug/L		99
67)	1,2,3-Trichloropropane	17.83	75	473844	20.47	ug/L	#	100
68)	trans-1,4-Dichloro-2-buten	17.91	89	81216	20.38	ug/L	#	82
69)	4-Chlorotoluene	18.06	91	1841466	20.57	ug/L		100
70)	tert-Butylbenzene	18.38	119	1586474	21.24	ug/L		99
71)	1,2,4-Trimethylbenzene	18.51	105	1831828	20.94	ug/L		98
72)	sec-Butylbenzene	18.71	105	2319192	21.25	ug/L		99
73)	p-Isopropyltoluene	18.96	119	1784899	21.63	ug/L		99
74)	1,3-Dichlorobenzene	19.13	146	1064255	20.11	ug/L		100
75)	1,4-Dichlorobenzene	19.29	146	1007354	20.24	ug/L		98
76)	n-Butylbenzene	19.74	91	1367469	21.32	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7035.D
Acq On : 11 Sep 2008 17:54
Sample : ICAL 20 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 7:58 2008

Vial: 7
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	1,2-Dichlorobenzene	20.06	146	1015486	20.39	ug/L	99
78)	1,2-Dibromo-3-chloropropan	21.56	75	72925	22.29	ug/L	96
79)	Hexachlorobutadiene	22.70	225	155939	21.65	ug/L	100
80)	1,2,4-Trichlorobenzene	22.75	180	446754	21.49	ug/L	97
81)	Naphthalene	23.26	128	1081257	21.81	ug/L	100
82)	1,2,3-Trichlorobenzene	23.54	180	381525	21.72	ug/L	98

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

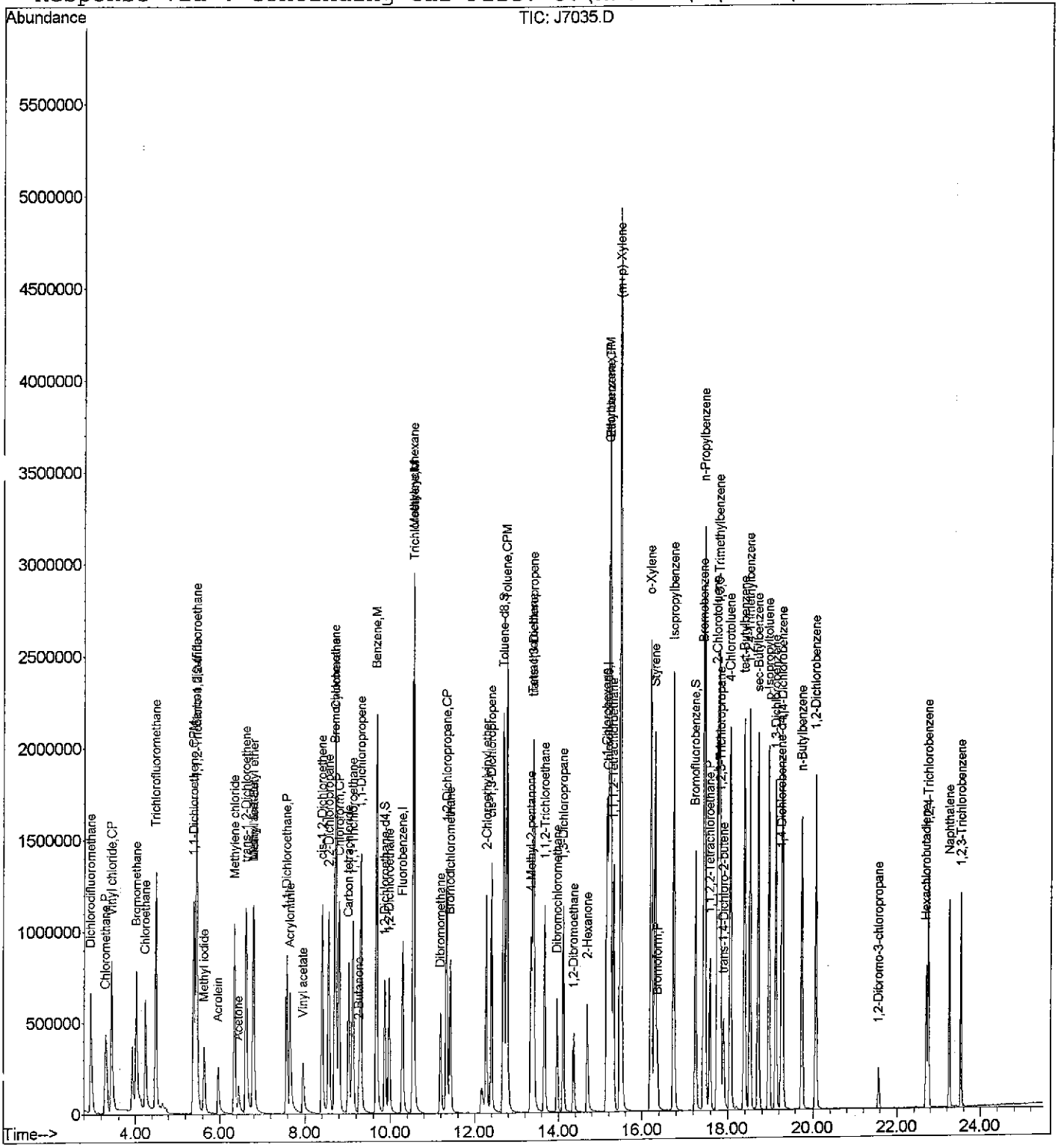
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7035.D
Acq On : 11 Sep 2008 17:54
Sample : ICAL 20 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:58 2008

Vial: 7
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7036.D
Acq On : 11 Sep 2008 18:28
Sample : ICAL 30 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:59 2008

Vial: 8
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1178026	10.00	ug/L	0.00
45) Chlorobenzene-d5	15.18	82	463408	10.00	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	19.27	152	306862	10.00	ug/L	0.01
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	9.86	65	976153	30.04	ug/L	-0.01
Spiked Amount 10.000			Recovery =	300.40%		
46) Toluene-d8	12.68	98	3373584	29.46	ug/L	0.00
Spiked Amount 10.000			Recovery =	294.60%		
61) Bromofluorobenzene	17.25	95	1113023	31.06	ug/L	0.00
Spiked Amount 10.000			Recovery =	310.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	1385468	30.11	ug/L	98
3) Chloromethane	3.30	50	1400195	29.76	ug/L	99
4) Vinyl chloride	3.44	62	1733075	29.70	ug/L	100
5) Bromomethane	4.02	94	1275512	29.72	ug/L	99
6) Chloroethane	4.24	64	1177694	29.66	ug/L	100
7) Trichlorofluoromethane	4.49	101	2009102	30.08	ug/L	99
8) 1,1-Dichloroethene	5.39	96	843158	30.51	ug/L	99
9) Carbon disulfide	5.44	76	2908462	30.90	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	928483	29.83	ug/L	96
11) Methyl iodide	5.63	142	1024798	34.02	ug/L	99
12) Acrolein	5.96	56	578920	156.74	ug/L	94
13) Methylene chloride	6.35	84	940728	29.56	ug/L	100
14) Acetone	6.44	43	412938	64.80	ug/L	99
15) trans-1,2-Dichloroethene	6.61	96	884095	30.53	ug/L	99
16) Methyl acetate	6.79	43	613943	30.33	ug/L	96
17) Methyl tert-Butyl ether	6.79	73	2448337	30.69	ug/L	99
18) 1,1-Dichloroethane	7.57	63	1727653	30.62	ug/L	98
19) Acrylonitrile	7.65	53	1215853	164.10	ug/L	99
20) Vinyl acetate	7.95	43	1030389	32.18	ug/L	98
21) cis-1,2-Dichloroethene	8.40	96	990767	30.13	ug/L	99
22) 2,2-Dichloropropane	8.56	77	1319870	29.80	ug/L	99
23) Bromochloromethane	8.69	128	417844	30.82	ug/L	100
24) Cyclohexane	8.71	56	1639555	30.93	ug/L	95
25) Chloroform	8.80	83	1548839	30.25	ug/L	97
26) Carbon tetrachloride	9.02	117	939717	32.76	ug/L	100
27) 1,1,1-Trichloroethane	9.13	97	1359762	31.14	ug/L	99
28) 2-Butanone	9.26	43	593652	62.58	ug/L	96
29) 1,1-Dichloropropene	9.30	75	1314749	30.68	ug/L	99
30) Benzene	9.67	78	4146567	30.45	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7036.D
Acq On : 11 Sep 2008 18:28
Sample : ICAL 30 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:59 2008

Vial: 8
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	1,2-Dichloroethane	9.97	62	1186172	30.56	ug/L		98
33)	Methylcyclohexane	10.54	83	1487739	30.48	ug/L		98
34)	Trichloroethene	10.55	130	942786	31.04	ug/L		100
35)	Dibromomethane	11.18	93	492564	30.71	ug/L		97
36)	1,2-Dichloropropane	11.33	63	957295	30.85	ug/L		99
37)	Bromodichloromethane	11.43	83	1081637	31.88	ug/L		98
38)	2-Chloroethylvinyl ether	12.27	63	954098	131.74	ug/L		98
39)	cis-1,3-Dichloropropene	12.39	75	1489982	31.16	ug/L		98
40)	Toluene	12.77	92	2539062	30.77	ug/L		99
41)	4-Methyl-2-pentanone	13.34	43	1322886	64.89	ug/L		98
42)	trans-1,3-Dichloropropene	13.41	75	1230385	32.36	ug/L		98
43)	1,1,2-Trichloroethane	13.66	83	609810	29.79	ug/L		98
44)	2-Hexanone	14.69	43	884008	66.59	ug/L		92
47)	Tetrachloroethene	13.39	166	812936	29.53	ug/L		97
48)	Dibromochloromethane	13.96	129	678195	33.85	ug/L		100
49)	1,3-Dichloropropane	14.11	76	1296378	29.34	ug/L		100
50)	1,2-Dibromoethane	14.36	107	645566	29.90	ug/L		97
51)	1-Chlorohexane	15.15	91	1217578	29.81	ug/L		94
52)	Chlorobenzene	15.21	112	2460930	29.24	ug/L		99
53)	Ethylbenzene	15.24	91	4499352	29.83	ug/L		100
54)	1,1,1,2-Tetrachloroethane	15.31	131	716646	32.06	ug/L		98
55)	(m+p)-Xylene	15.48	106	3488522	59.97	ug/L		99
56)	o-Xylene	16.21	106	1683836	29.93	ug/L		99
57)	Styrene	16.30	104	2490444	30.88	ug/L		98
58)	Bromoform	16.36	173	324590	35.71	ug/L		97
60)	Isopropylbenzene	16.74	105	3856550	31.27	ug/L		100
62)	Bromobenzene	17.44	156	874999	29.64	ug/L		93
63)	n-Propylbenzene	17.46	91	4716613	31.58	ug/L		100
64)	1,1,2,2-Tetrachloroethane	17.59	83	844547	30.63	ug/L		98
65)	2-Chlorotoluene	17.76	91	3126398	31.40	ug/L		98
66)	1,3,5-Trimethylbenzene	17.81	105	3102801	31.89	ug/L		100
67)	1,2,3-Trichloropropane	17.84	75	710174	30.85	ug/L	#	100
68)	trans-1,4-Dichloro-2-buten	17.90	89	139545	35.20	ug/L		91
69)	4-Chlorotoluene	18.05	91	2813456	31.60	ug/L		100
70)	tert-Butylbenzene	18.38	119	2420513	32.59	ug/L		99
71)	1,2,4-Trimethylbenzene	18.51	105	2819499	32.40	ug/L		98
72)	sec-Butylbenzene	18.71	105	3544735	32.66	ug/L		100
73)	p-Isopropyltoluene	18.96	119	2752433	33.54	ug/L		99
74)	1,3-Dichlorobenzene	19.13	146	1607110	30.53	ug/L		99
75)	1,4-Dichlorobenzene	19.29	146	1538465	31.08	ug/L		97
76)	n-Butylbenzene	19.74	91	2146565	33.65	ug/L		99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7036.D
Acq On : 11 Sep 2008 18:28
Sample : ICAL 30 PPB
Misc : ICAL,8260W_CAL,
Integration Params: RTEINT.P
Quant Time: Sep 12 7:59 2008

Vial: 8
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

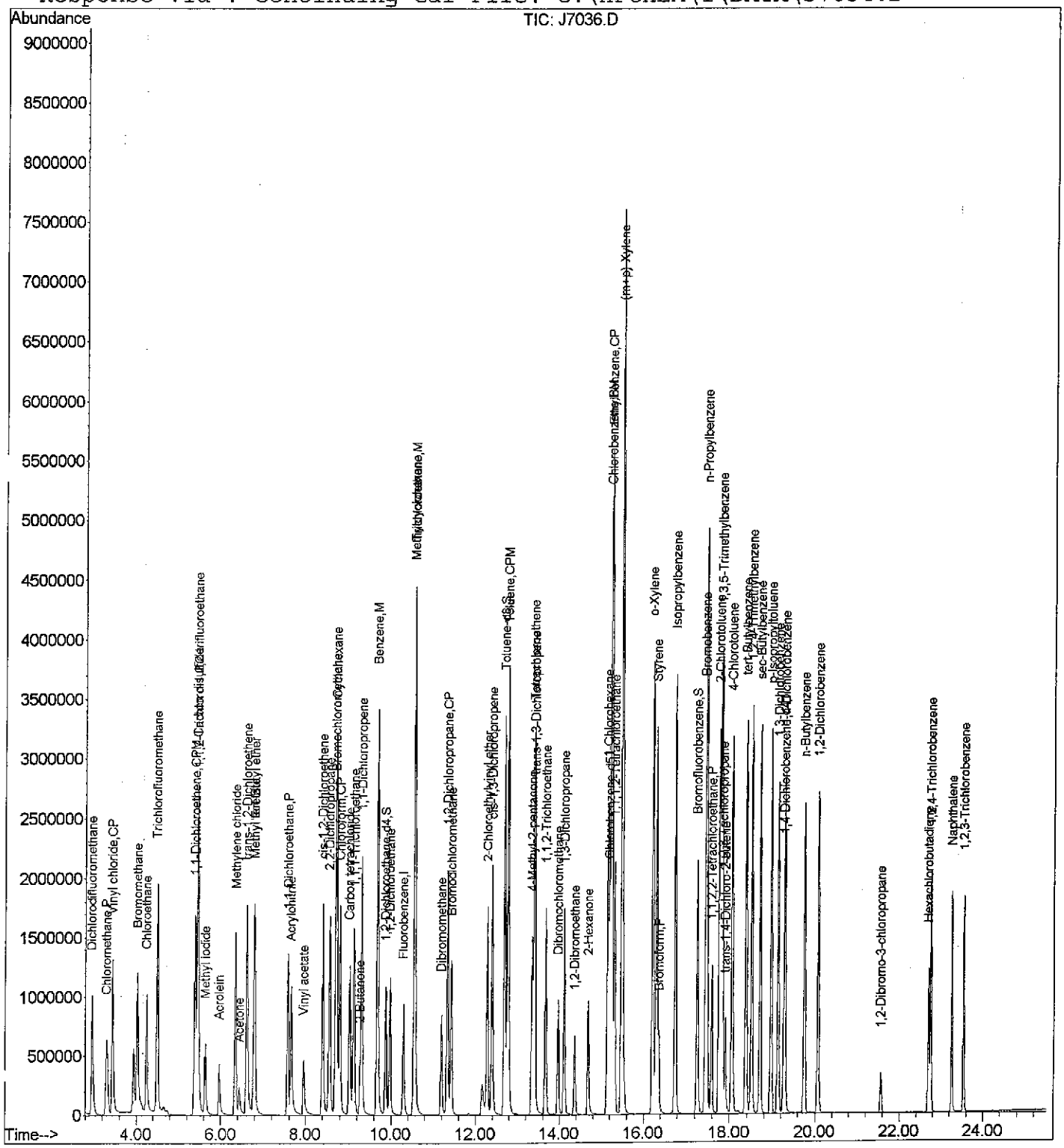
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	1,2-Dichlorobenzene	20.07	146	1539841	31.09	ug/L	98
78)	1,2-Dibromo-3-chloropropan	21.56	75	115528	35.50	ug/L	98
79)	Hexachlorobutadiene	22.70	225	234699	32.77	ug/L	98
80)	1,2,4-Trichlorobenzene	22.75	180	694159	33.57	ug/L	95
81)	Naphthalene	23.26	128	1649606	33.46	ug/L	100
82)	1,2,3-Trichlorobenzene	23.54	180	593478	33.97	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7036.D Vial: 8
Acq On : 11 Sep 2008 18:28 Operator: JK
Sample : ICAL 30 PPB Inst : #3MS10
Misc : ICAL,8260W_CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 7:59 2008 Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7037.D Vial: 9
Acq On : 11 Sep 2008 19:02 Operator: JK
Sample : ICAL 40 PPB Inst : #3MS10
Misc : ICAL,8260W_CAL, Multiplr: 1.00
3 Integration Params: RTEINT.P
Quant Time: Sep 12 8:00 2008 Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1170397	10.00	ug/L	0.00
45) Chlorobenzene-d5	15.18	82	459722	10.00	ug/L	0.00
59) 1,4-Dichlorobenzene-d4	19.26	152	312308	10.00	ug/L	0.00
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	9.86	65	1304777	40.42	ug/L	-0.01
Spiked Amount 10.000			Recovery =	404.20%		
46) Toluene-d8	12.68	98	4560907	40.14	ug/L	0.00
Spiked Amount 10.000			Recovery =	401.40%		
61) Bromofluorobenzene	17.25	95	1513418	41.50	ug/L	0.00
Spiked Amount 10.000			Recovery =	415.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	1866706	40.83	ug/L	99
3) Chloromethane	3.30	50	1893469	40.51	ug/L	100
4) Vinyl chloride	3.44	62	2325172	40.10	ug/L	99
5) Bromomethane	4.02	94	1710952	40.12	ug/L	99
6) Chloroethane	4.24	64	1576174	39.96	ug/L	99
7) Trichlorofluoromethane	4.49	101	2648008	39.90	ug/L	97
8) 1,1-Dichloroethene	5.38	96	1143554	41.66	ug/L	98
9) Carbon disulfide	5.44	76	3936963	42.10	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	1268801	41.03	ug/L	96
11) Methyl iodide	5.63	142	1390154	46.45	ug/L	99
12) Acrolein	5.95	56	784274	213.73	ug/L	93
13) Methylene chloride	6.35	84	1252548	39.62	ug/L	99
14) Acetone	6.43	43	565680	89.35	ug/L	98
15) trans-1,2-Dichloroethene	6.61	96	1185662	41.21	ug/L	99
16) Methyl acetate	6.78	43	824115	40.98	ug/L	98
17) Methyl tert-Butyl ether	6.79	73	3336640	42.10	ug/L	98
18) 1,1-Dichloroethane	7.57	63	2297075	40.98	ug/L	99
19) Acrylonitrile	7.65	53	1632274	221.75	ug/L	99
20) Vinyl acetate	7.94	43	1363500	42.87	ug/L	100
21) cis-1,2-Dichloroethene	8.40	96	1354606	41.46	ug/L	98
22) 2,2-Dichloropropane	8.55	77	1762050	40.04	ug/L	99
23) Bromochloromethane	8.69	128	559449	41.53	ug/L	99
24) Cyclohexane	8.71	56	2228803	42.32	ug/L	96
25) Chloroform	8.80	83	2093015	41.15	ug/L	98
26) Carbon tetrachloride	9.02	117	1296591	45.50	ug/L	100
27) 1,1,1-Trichloroethane	9.11	97	1831477	42.21	ug/L	99
28) 2-Butanone	9.26	43	798163	84.69	ug/L	99
29) 1,1-Dichloropropene	9.30	75	1758363	41.30	ug/L	100
30) Benzene	9.67	78	5645102	41.72	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7037.D
Acq On : 11 Sep 2008 19:02
Sample : ICAL 40 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 8:00 2008

Vial: 9
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	1,2-Dichloroethane	9.97	62	1592621	41.29	ug/L		98
33)	Methylcyclohexane	10.54	83	2056227	42.40	ug/L		99
34)	Trichloroethene	10.55	130	1266572	41.97	ug/L		98
35)	Dibromomethane	11.18	93	665974	41.80	ug/L		97
36)	1,2-Dichloropropane	11.33	63	1314542	42.64	ug/L		99
37)	Bromodichloromethane	11.43	83	1493534	44.31	ug/L		99
38)	2-Chloroethylvinyl ether	12.27	63	1265168	175.84	ug/L		98
39)	cis-1,3-Dichloropropene	12.39	75	2029933	42.73	ug/L		97
40)	Toluene	12.77	92	3396752	41.44	ug/L		99
41)	4-Methyl-2-pentanone	13.34	43	1812191	89.47	ug/L		98
42)	trans-1,3-Dichloropropene	13.41	75	1700261	45.01	ug/L		97
43)	1,1,2-Trichloroethane	13.66	83	827602	40.69	ug/L		99
44)	2-Hexanone	14.69	43	1253724	95.06	ug/L		93
47)	Tetrachloroethene	13.39	166	1121093	41.04	ug/L		99
48)	Dibromochloromethane	13.96	129	937356	47.16	ug/L		98
49)	1,3-Dichloropropane	14.11	76	1752358	39.98	ug/L		100
50)	1,2-Dibromoethane	14.36	107	888989	41.50	ug/L		99
51)	1-Chlorohexane	15.15	91	1668721	41.19	ug/L		93
52)	Chlorobenzene	15.21	112	3354921	40.18	ug/L		99
53)	Ethylbenzene	15.23	91	6124767	40.93	ug/L		100
54)	1,1,1,2-Tetrachloroethane	15.31	131	973839	43.92	ug/L		99
55)	(m+p)-Xylene	15.48	106	4800640	83.19	ug/L		99
56)	o-Xylene	16.21	106	2291610	41.06	ug/L		99
57)	Styrene	16.30	104	3407834	42.59	ug/L		99
58)	Bromoform	16.36	173	473473	52.51	ug/L		99
60)	Isopropylbenzene	16.74	105	5221606	41.61	ug/L		100
62)	Bromobenzene	17.45	156	1203288	40.05	ug/L		94
63)	n-Propylbenzene	17.46	91	6429814	42.30	ug/L		100
64)	1,1,2,2-Tetrachloroethane	17.59	83	1127213	40.17	ug/L		97
65)	2-Chlorotoluene	17.76	91	4267497	42.11	ug/L		98
66)	1,3,5-Trimethylbenzene	17.81	105	4260118	43.02	ug/L		99
67)	1,2,3-Trichloropropane	17.84	75	972217	41.50	ug/L	#	100
68)	trans-1,4-Dichloro-2-buten	17.90	89	195058	48.35	ug/L		88
69)	4-Chlorotoluene	18.05	91	3819369	42.15	ug/L		100
70)	tert-Butylbenzene	18.38	119	3347606	44.28	ug/L		99
71)	1,2,4-Trimethylbenzene	18.51	105	3886320	43.88	ug/L		97
72)	sec-Butylbenzene	18.71	105	4906302	44.41	ug/L		99
73)	p-Isopropyltoluene	18.96	119	3813145	45.66	ug/L		99
74)	1,3-Dichlorobenzene	19.13	146	2217425	41.40	ug/L		100
75)	1,4-Dichlorobenzene	19.29	146	2122890	42.13	ug/L		97
76)	n-Butylbenzene	19.74	91	3041261	46.84	ug/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7037.D
Acq On : 11 Sep 2008 19:02
Sample : ICAL 40 PPB
Misc : ICAL,8260W_CAL,
3 Integration Params: RTEINT.P
Quant Time: Sep 12 8:00 2008

Vial: 9
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Quant Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	1,2-Dichlorobenzene	20.07	146	2131734	42.29	ug/L	98
78)	1,2-Dibromo-3-chloropropan	21.56	75	164539	49.68	ug/L	96
79)	Hexachlorobutadiene	22.70	225	327171	44.88	ug/L	99
80)	1,2,4-Trichlorobenzene	22.75	180	986858	46.90	ug/L	97
81)	Naphthalene	23.25	128	2325668	46.35	ug/L	100
82)	1,2,3-Trichlorobenzene	23.54	180	842484	47.38	ug/L	99

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

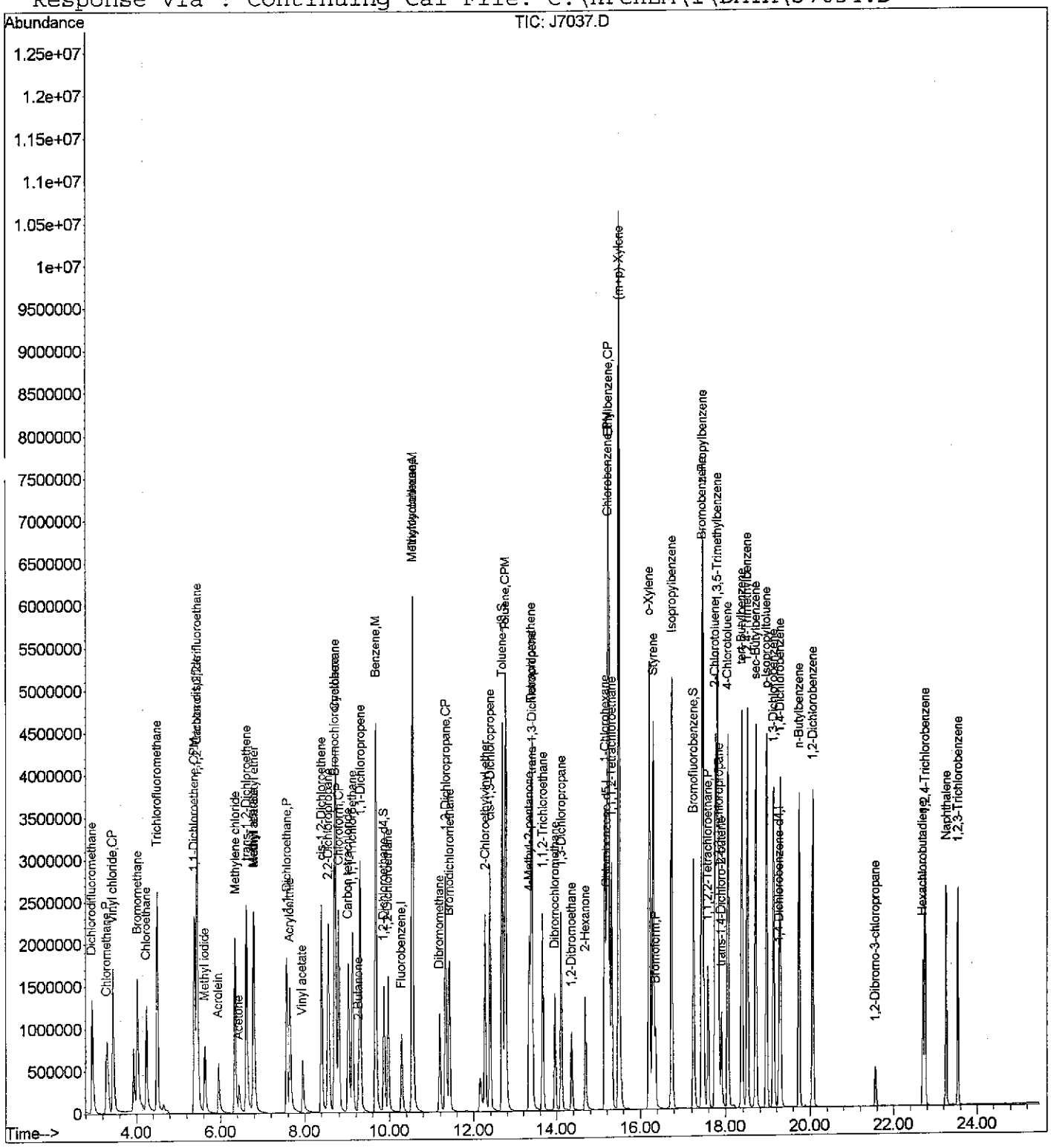
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7037.D
Acq On : 11 Sep 2008 19:02
Sample : ICAL 40 PPB
Misc : ICAL,8260W_CAL,
MS Integration Params: RTEINT.P
Quant Time: Sep 12 8:00 2008

Vial: 9
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911VOCW.RES

Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Fri Sep 12 07:28:53 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\J7034.D



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	132	0.00
2		Dichlorodifluoromethane	0.378	0.371	1.9	125	0.00
3	P	Chloromethane	0.394	0.413	-4.8	137	0.00
4	CP	Vinyl chloride	0.481	0.499	-3.7	133	0.00
5		Bromomethane	0.391	0.389	0.5	141	0.00
6		Chloroethane	0.332	0.374	-12.7	147	0.00
7		Trichlorofluoromethane	0.558	0.767	-37.5#	179	0.00
8	CPM	1,1-Dichloroethene	0.237	0.235	0.8	132	0.00
9		Carbon disulfide	0.795	0.830	-4.4	137	0.00
10		1,1,2-Trichloro-1,2,2-trifl	0.258	0.296	-14.7	148	0.00
11		Methylene chloride	0.279	0.288	-3.2	141	0.00
12		Acetone	0.054	0.050	7.4	121	0.00
13		trans-1,2-Dichloroethene	0.248	0.254	-2.4	137	0.00
14		Methyl acetate	0.181	0.127	29.8#	98	0.00
		Methyl tert-Butyl ether	0.677	0.573	15.4	112	0.00
16	P	1,1-Dichloroethane	0.489	0.508	-3.9	140	0.00
17		cis-1,2-Dichloroethene	0.276	0.280	-1.4	133	0.00
18		Cyclohexane	0.447	0.477	-6.7	140	0.00
19	CP	Chloroform	0.446	0.504	-13.0	153	0.00
20		Carbon tetrachloride	0.240	0.208	13.3	113	0.00
21		1,1,1-Trichloroethane	0.369	0.375	-1.6	134	0.00
22		2-Butanone	0.078	0.077	1.3	126	0.00
23	M	Benzene	1.151	1.260	-9.5	144	0.00
24	S	1,2-Dichloroethane-d4	0.277	0.301	-8.7	144	0.00
25		1,2-Dichloroethane	0.326	0.361	-10.7	145	0.00
26		Methylcyclohexane	0.413	0.431	-4.4	137	0.00
27	M	Trichloroethene	0.260	0.278	-6.9	143	0.00
28	CP	1,2-Dichloropropane	0.270	0.285	-5.6	143	0.00
29		Bromodichloromethane	0.285	0.294	-3.2	135	0.00
30		cis-1,3-Dichloropropene	0.383	0.386	-0.8	126	0.00
31	CPM	Toluene	0.689	0.755	-9.6	142	0.00
32		4-Methyl-2-pentanone	0.167	0.150	10.2	114	0.00
33		trans-1,3-Dichloropropene	0.303	0.314	-3.6	128	0.00
34		1,1,2-Trichloroethane	0.172	0.177	-2.9	135	0.00
35		2-Hexanone	0.103	0.089	13.6	105	0.00
36	I	Chlorobenzene-d5	1.000	1.000	0.0	150	0.00
37	S	Toluene-d8	2.411	2.266	6.0	137	0.00
38		Tetrachloroethene	0.594	0.556	6.4	140	0.00
39		Dibromochloromethane	0.418	0.336	19.6	116	0.00
40		1,2-Dibromoethane	0.458	0.412	10.0	132	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.793	1.783	0.6	147	0.00
42	CP	Ethylbenzene	3.198	3.185	0.4	146	0.00
43		(m+p)-Xylene	1.208	1.200	0.7	143	0.00
44		o-Xylene	1.165	1.074	7.8	132	0.00
45		Styrene	1.621	1.566	3.4	135	0.00
46	P	Bromoform	0.200	0.134	33.0#	103	0.00
47	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	129	0.00
48		Isopropylbenzene	4.036	4.201	-4.1	134	0.00
49	S	Bromofluorobenzene	1.221	1.180	3.4	130	0.00
50	P	1,1,2,2-Tetrachloroethane	0.891	0.988	-10.9	141	0.00
51		1,3-Dichlorobenzene	1.774	1.876	-5.7	141	0.00
52		1,4-Dichlorobenzene	1.674	1.730	-3.3	138	0.00
53		1,2-Dichlorobenzene	1.635	1.702	-4.1	136	0.00
		1,2-Dibromo-3-chloropropane	0.108	0.091	15.7	110	0.00
55		1,2,4-Trichlorobenzene	0.725	0.601	17.1	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	132	0.00
2		Dichlorodifluoromethane	10.000	9.813	1.9	125	0.00
3	P	Chloromethane	10.000	10.491	-4.9	137	0.00
4	CP	Vinyl chloride	10.000	10.368	-3.7	133	0.00
5		Bromomethane	10.000	9.944	0.6	141	0.00
6		Chloroethane	10.000	11.263	-12.6	147	0.00
7		Trichlorofluoromethane	10.000	13.732	-37.3#	179	0.00
8	CPM	1,1-Dichloroethene	10.000	9.906	0.9	132	0.00
9		Carbon disulfide	10.000	10.448	-4.5	137	0.00
10		1,1,2-Trichloro-1,2,2-trifl	10.000	11.468	-14.7	148	0.00
11		Methylene chloride	10.000	10.314	-3.1	141	0.00
12		Acetone	20.000	18.495	7.5	121	0.00
13		trans-1,2-Dichloroethene	10.000	10.266	-2.7	137	0.00
14		Methyl acetate	10.000	7.022	29.8#	98	0.00
		Methyl tert-Butyl ether	10.000	8.457	15.4	112	0.00
16	P	1,1-Dichloroethane	10.000	10.390	-3.9	140	0.00
17		cis-1,2-Dichloroethene	10.000	10.154	-1.5	133	0.00
18		Cyclohexane	10.000	10.652	-6.5	140	0.00
19	CP	Chloroform	10.000	11.299	-13.0	153	0.00
20		Carbon tetrachloride	10.000	8.660	13.4	113	0.00
21		1,1,1-Trichloroethane	10.000	10.178	-1.8	134	0.00
22		2-Butanone	20.000	19.620	1.9	126	0.00
23	M	Benzene	10.000	10.944	-9.4	144	0.00
24	S	1,2-Dichloroethane-d4	10.000	10.837	-8.4	144	0.00
25		1,2-Dichloroethane	10.000	11.092	-10.9	145	0.00
26		Methylcyclohexane	10.000	10.437	-4.4	137	0.00
27	M	Trichloroethene	10.000	10.699	-7.0	143	0.00
28	CP	1,2-Dichloropropane	10.000	10.559	-5.6	143	0.00
29		Bromodichloromethane	10.000	10.301	-3.0	135	0.00
30		cis-1,3-Dichloropropene	10.000	10.086	-0.9	126	0.00
31	CPM	Toluene	10.000	10.956	-9.6	142	0.00
32		4-Methyl-2-pentanone	20.000	17.918	10.4	114	0.00
33		trans-1,3-Dichloropropene	10.000	9.280	7.2	128	0.00
34		1,1,2-Trichloroethane	10.000	10.289	-2.9	135	0.00
35		2-Hexanone	20.000	15.091	24.5#	105	0.00
36	I	Chlorobenzene-d5	10.000	10.000	0.0	150	0.00
37	S	Toluene-d8	10.000	9.397	6.0	137	0.00
38		Tetrachloroethene	10.000	9.361	6.4	140	0.00
39		Dibromochloromethane	10.000	7.447	25.5#	116	0.00
		1,2-Dibromoethane	10.000	8.987	10.1	132	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.948	0.5	147	0.00
42	CP	Ethylbenzene	10.000	9.959	0.4	146	0.00
43		(m+p)-Xylene	20.000	19.873	0.6	143	0.00
44		o-Xylene	10.000	9.219	7.8	132	0.00
45		Styrene	10.000	9.657	3.4	135	0.00
46	P	Bromoform	10.000	7.257	27.4#	103	0.00
47	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	129	0.00
48		Isopropylbenzene	10.000	10.407	-4.1	134	0.00
49	S	Bromofluorobenzene	10.000	9.660	3.4	130	0.00
50	P	1,1,2,2-Tetrachloroethane	10.000	11.091	-10.9	141	0.00
51		1,3-Dichlorobenzene	10.000	10.574	-5.7	141	0.00
52		1,4-Dichlorobenzene	10.000	10.330	-3.3	138	0.00
53		1,2-Dichlorobenzene	10.000	10.408	-4.1	136	0.00
		1,2-Dibromo-3-chloropropane	10.000	7.999	20.0#	110	0.00
55		1,2,4-Trichlorobenzene	10.000	8.288	17.1	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:29 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.30	96	1517591	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	659090	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	389665	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.87	65	456254	10.84	ug/L	0.00
Spiked Amount 10.000			Recovery =	108.40%		
37) Toluene-d8	12.68	98	1493491	9.40	ug/L	0.00
Spiked Amount 10.000			Recovery =	94.00%		
49) Bromofluorobenzene	17.26	95	459654	9.66	ug/L	0.00
Spiked Amount 10.000			Recovery =	96.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	562738	9.81	ug/L	98
3) Chloromethane	3.31	50	627124	10.49	ug/L	99
4) Vinyl chloride	3.44	62	757092	10.37	ug/L	97
5) Bromomethane	4.02	94	590547	9.94	ug/L	99
6) Chloroethane	4.24	64	567881	11.26	ug/L	99
7) Trichlorofluoromethane	4.50	101	1163476	13.73	ug/L	99
8) 1,1-Dichloroethene	5.39	96	356909	9.91	ug/L	100
9) Carbon disulfide	5.45	76	1260284	10.45	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	5.46	101	449469	11.47	ug/L	94
11) Methylene chloride	6.35	84	436871	10.31	ug/L	96
12) Acetone	6.46	43	150277	18.50	ug/L	92
13) trans-1,2-Dichloroethene	6.62	96	385683	10.27	ug/L	100
14) Methyl acetate	6.80	43	193170	7.02	ug/L	91
15) Methyl tert-Butyl ether	6.80	73	868862	8.46	ug/L	95
16) 1,1-Dichloroethane	7.57	63	771507	10.39	ug/L	100
17) cis-1,2-Dichloroethene	8.41	96	425297	10.15	ug/L	96
18) Cyclohexane	8.72	56	723342	10.65	ug/L	98
19) Chloroform	8.81	83	764971	11.30	ug/L	99
20) Carbon tetrachloride	9.03	117	315591	8.66	ug/L	94
21) 1,1,1-Trichloroethane	9.13	97	569478	10.18	ug/L	98
22) 2-Butanone	9.27	43	232327	19.62	ug/L	94
23) Benzene	9.67	78	1912274	10.94	ug/L	100
25) 1,2-Dichloroethane	9.98	62	547992	11.09	ug/L	99
26) Methylcyclohexane	10.55	83	653828	10.44	ug/L	97
27) Trichloroethene	10.55	130	422395	10.70	ug/L	99
28) 1,2-Dichloropropane	11.34	63	433167	10.56	ug/L	99
29) Bromodichloromethane	11.43	83	445599	10.30	ug/L	99
30) cis-1,3-Dichloropropene	12.40	75	586371	10.09	ug/L	92
31) Toluene	12.77	92	1146291	10.96	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:29 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32)	4-Methyl-2-pentanone	13.35	43	454551	17.92	ug/L	94
33)	trans-1,3-Dichloropropene	13.41	75	475873	9.28	ug/L	93
34)	1,1,2-Trichloroethane	13.66	83	269064	10.29	ug/L	95
35)	2-Hexanone	14.70	43	270982	15.09	ug/L	95
38)	Tetrachloroethene	13.39	166	366259	9.36	ug/L	97
39)	Dibromochloromethane	13.97	129	221379	7.45	ug/L	97
40)	1,2-Dibromoethane	14.36	107	271419	8.99	ug/L	96
41)	Chlorobenzene	15.21	112	1175325	9.95	ug/L	98
42)	Ethylbenzene	15.25	91	2099031	9.96	ug/L	100
43)	(m+p)-Xylene	15.48	106	1582316	19.87	ug/L	98
44)	o-Xylene	16.22	106	707630	9.22	ug/L	96
45)	Styrene	16.31	104	1032018	9.66	ug/L	97
46)	Bromoform	16.36	173	88508	7.26	ug/L	96
48)	Isopropylbenzene	16.74	105	1636863	10.41	ug/L	99
50)	1,1,2,2-Tetrachloroethane	17.60	83	385157	11.09	ug/L	99
51)	1,3-Dichlorobenzene	19.13	146	731091	10.57	ug/L	99
52)	1,4-Dichlorobenzene	19.29	146	673979	10.33	ug/L	96
53)	1,2-Dichlorobenzene	20.07	146	663061	10.41	ug/L	97
54)	1,2-Dibromo-3-chloropropan	21.57	75	35304	8.00	ug/L	85
55)	1,2,4-Trichlorobenzene	22.75	180	234173	8.29	ug/L	95

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

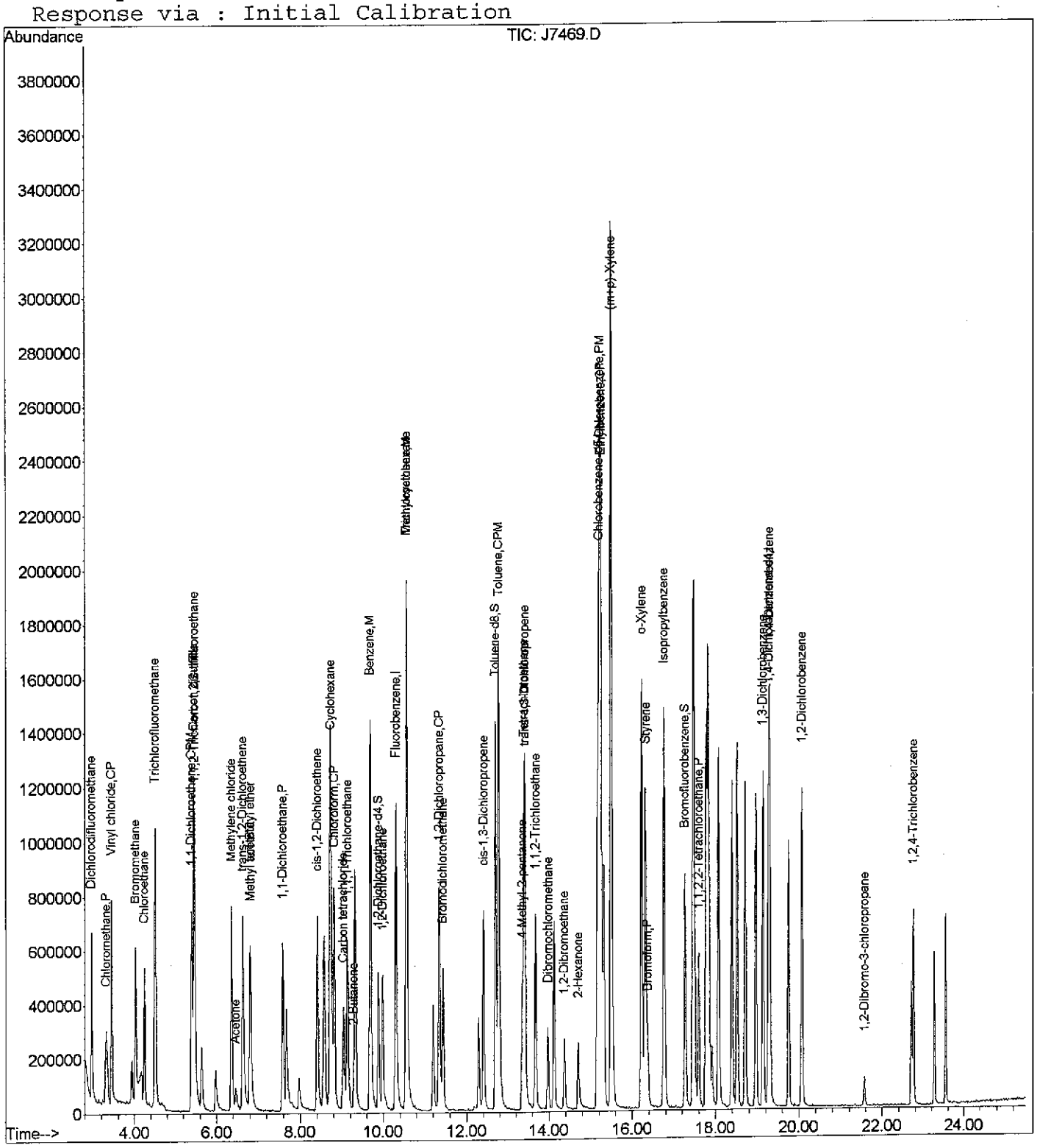
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : CCV-15252
Misc : CCV ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



Internal Standards

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): J7469.D Date Analyzed: 10/22/2008

Instrument ID: MS03_10 Time Analyzed: 10:10

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	1517591	10.30	659090	15.19	389665	19.27		
UPPER LIMIT	3035182	10.80	1318180	15.69	779330	19.77		
LOWER LIMIT	758796	9.80	329545	14.69	194833	18.77		
SAMPLE NO.								
01 MSB-15252 (MSB-15252)	1421405	10.29	622092	15.18	364354	19.27		
02 LCS-15252 (LCS-15252)	1444341	10.29	615160	15.18	368150	19.27		
03 MB-15252 (MB-15252)	1349636	10.29	526610	15.19	252654	19.27		
04 MW-2 (0810110-002A)	1302366	10.30	519174	15.20	257688	19.27		
05 MW-3 (0810110-003A)	1346119	10.30	520733	15.19	254116	19.27		
06 MW-4 (0810110-004A)	1316655	10.29	531520	15.19	253074	19.27		
07 MW-4FD (0810110-005A)	1356514	10.30	537752	15.19	257614	19.27		
08 Trip Blank (0810110-006A)	1319083	10.29	510679	15.19	255334	19.26		
09 MW-1 (0810110-001A)	1341372	10.29	538256	15.19	264404	19.27		
10 MW-2MS (0810110-002AMS)	1357344	10.29	590803	15.19	333138	19.26		
11 MW-2MSD (0810110-002AMSD)	1418381	10.29	611446	15.18	353794	19.26		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

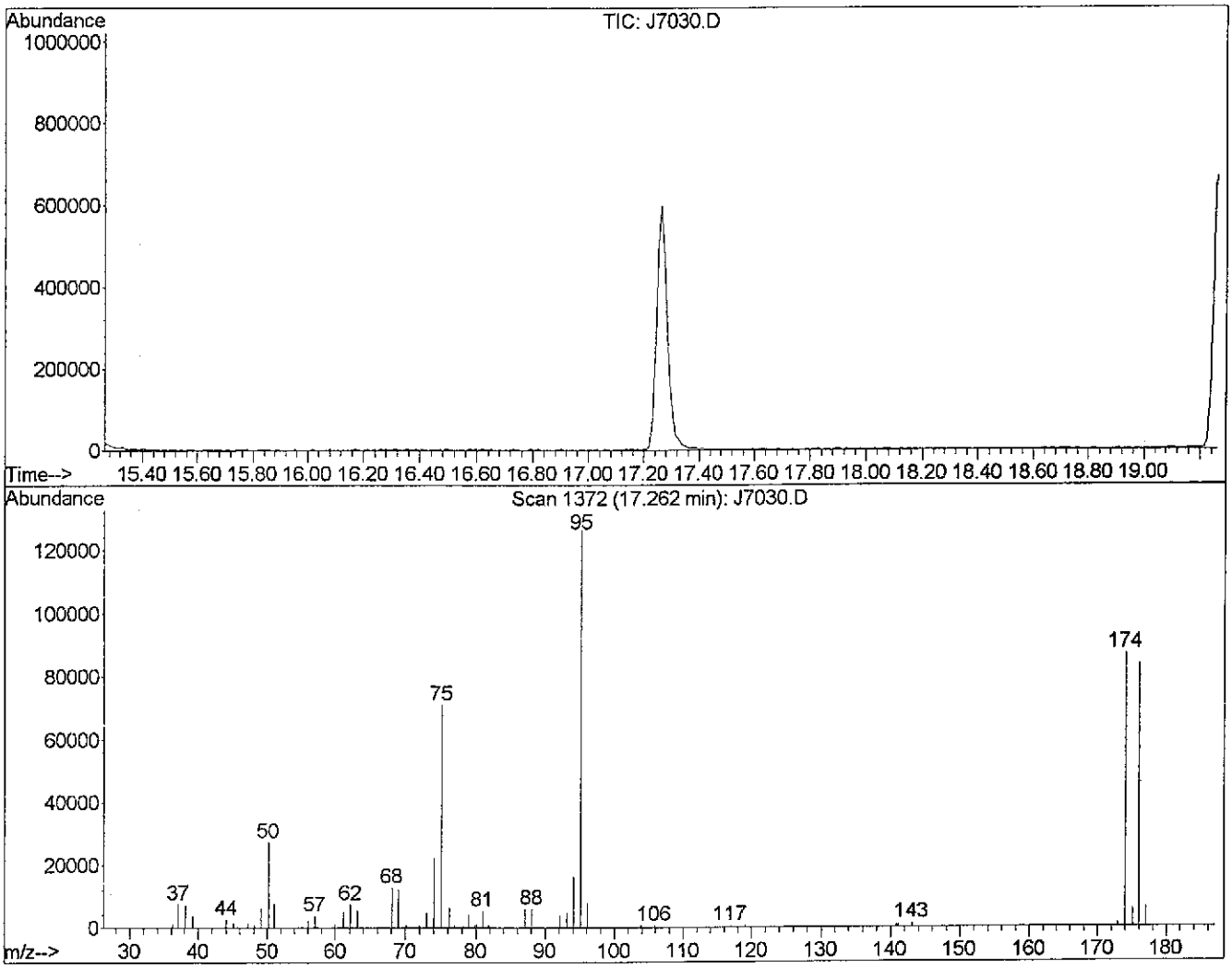
* Values outside of QC limits.

Raw QC Data

Tune Raw Data

Data File : C:\HPCHEM\1\DATA\J7030.D
Acq On : 11 Sep 2008 15:05
Sample : TB091108A3
Misc :
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df

Vial: 2
Operator: JK
Inst : #3MS10
Multiplr: 1.00



Spectrum Information: Scan 1372

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	27168	PASS
75	95	30	60	56.2	71064	PASS
95	95	100	100	100.0	126448	PASS
96	95	5	9	6.2	7842	PASS
173	174	0.00	2	1.2	1008	PASS
174	95	50	100	68.8	86960	PASS
175	174	5	9	6.5	5648	PASS
176	174	95	101	96.3	83752	PASS
177	176	5	9	7.2	6047	PASS

9-12-0

Scan 1372 (17.262 min): J7030.D
TB091108A3

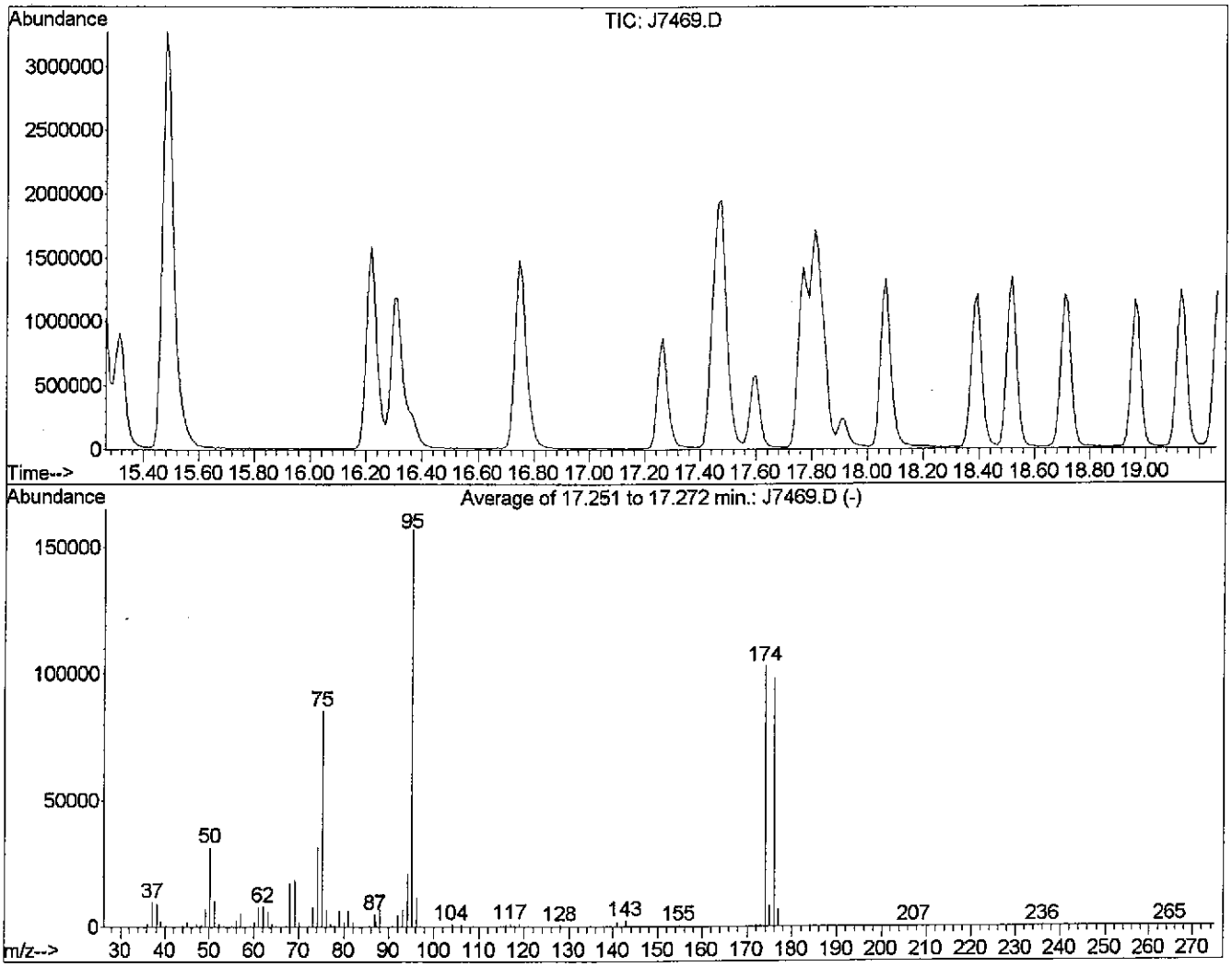
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	1204	55.15	533	73.05	4860	87.05	5982
37.05	7586	56.05	2356	74.05	22016	88.05	6040
38.05	7315	57.05	3831	75.05	71064	92.05	3906
39.15	3716	59.95	1171	76.15	6308	93.05	4630
44.05	2795	61.15	5070	76.95	656	94.05	16298
45.15	1596	62.15	7453	78.15	549	95.05	126448
47.15	1417	63.15	5626	78.95	4012	96.05	7842
48.15	844	68.05	12826	79.85	853	103.85	707
49.05	6330	69.05	12206	80.15	1064	105.85	726
50.15	27168	70.15	912	80.95	5351	116.95	620
51.05	7713	72.05	706	81.85	746	119.05	561

Scan 1372 (17.262 min): J7030.D
TB091108A3

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.85	738						
141.15	763						
143.05	1324						
172.85	1008						
173.95	86960						
175.05	5648						
175.95	83752						
176.95	6047						

Data File : C:\HPCHEM\1\DATA\J7469.D
Acq On : 22 Oct 2008 10:10
Sample : TB102208A3
Misc : CCV ,8260WAF7_P12,
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\J911VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df

Vial: 37
Operator: JK
Inst : #3MS10
Multiplr: 1.00



AutoFind: Scans 1371, 1372, 1373; Background Corrected with Scan 1363

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	31541	PASS
75	95	30	60	54.4	85501	PASS
95	95	100	100	100.0	157312	PASS
96	95	5	9	7.3	11548	PASS
173	174	0.00	2	0.5	549	PASS
174	95	50	100	65.5	103037	PASS
175	174	5	9	8.1	8366	PASS
176	174	95	101	95.3	98203	PASS
177	176	5	9	7.1	7017	PASS

10/22/08

Average of 17.251 to 17.272 min.: J7469.D
TB102208A3
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1179	47.85	266	59.35	209	70.10	1833
37.15	9851	48.20	808	60.05	1797	72.25	184
38.15	9010	49.15	7030	61.05	7862	73.05	7751
39.10	2216	50.10	31541	62.05	8172	74.10	31475
40.20	635	51.10	10252	63.10	5950	75.10	85501
41.25	367	52.15	1020	64.10	1260	76.10	6543
44.05	699	53.25	188	65.00	377	77.00	1189
45.10	2058	55.10	597	67.05	397	77.25	427
45.95	214	56.05	2771	67.25	195	77.95	508
46.15	253	57.05	5320	68.05	17374	78.10	577
47.15	1286	57.95	175	69.10	18394	79.00	6471

Average of 17.251 to 17.272 min.: J7469.D
TB102208A3
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.00	1810	95.05	157312	111.95	168	129.85	180
80.95	6353	96.10	11548	114.85	239	130.65	190
82.00	1588	97.00	389	115.45	228	134.90	431
85.75	351	97.25	180	116.05	802	139.35	269
86.95	4972	103.90	992	117.00	1265	140.95	1785
87.15	2071	104.15	677	117.90	314	142.85	2436
88.00	6888	105.15	168	118.95	1085	144.95	256
90.90	354	106.05	793	120.95	209	145.95	208
92.00	4841	106.75	168	127.75	189	148.05	255
93.10	6775	108.65	335	127.95	708	148.85	204
94.10	21117	110.95	179	128.15	231	153.85	205

Average of 17.251 to 17.272 min.: J7469.D
TB102208A3
lified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.85	474	207.35	178				
156.95	440	236.15	187				
158.95	222	264.85	173				
169.85	191						
172.05	633						
173.15	549						
174.00	103037						
175.00	8366						
175.95	98203						
176.95	7017						
200.25	177						

Method Blank Data

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-15252**	SampType: **MBLK**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398859**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Bromomethane	ND	1.00									
Chloroethane	ND	1.00									
Trichlorofluoromethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.500									
Acetone	ND	10.0									
Carbon disulfide	ND	0.500									
Methyl acetate	ND	5.00									
Methylene chloride	0.170	2.00									J
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether	ND	1.00									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone	ND	10.0									
Chloroform	ND	0.500									
1,1,1-Trichloroethane	ND	0.500									
Cyclohexane	ND	0.500									
Carbon tetrachloride	ND	0.500									
Benzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									
Trichloroethene	ND	0.500									
Methylcyclohexane	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-15252**	SampType: **MBLK**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398859**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	0.500									
4-Methyl-2-pentanone	ND	5.00									
Toluene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
Tetrachloroethene	ND	0.500									
2-Hexanone	ND	5.00									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane	ND	0.500									
Chlorobenzene	ND	0.500									
Ethylbenzene	ND	0.500									
Xylenes (total)	ND	1.00									
Styrene	ND	0.500									
Bromoform	ND	1.00									
Isopropylbenzene	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	5.00									
1,2,4-Trichlorobenzene	ND	1.00									
Surr: 1,2-Dichloroethane-d4	11.9	0.100	10	0	119	75	134				
Surr: Toluene-d8	9.89	0.100	10	0	99	75	125				
Surr: 4-Bromofluorobenzene	10.8	0.100	10	0	108	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

290 : *23-Oct-08*

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7475.D Vial: 43
Acq On : 22 Oct 2008 13:55 Operator: JK
Sample : MB-15252 Inst : #3MS10
Misc : MBLK,8260W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:17 2008 Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1349636	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	526610	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	252654	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	445293	11.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	118.90%		
37) Toluene-d8	12.68	98	1255474	9.89	ug/L	0.00
Spiked Amount 10.000			Recovery =	98.90%		
49) Bromofluorobenzene	17.26	95	331704	10.75	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.50%		
Target Compounds						Qvalue
11) Methylene chloride	6.34	84	6370	0.17	ug/L	89

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

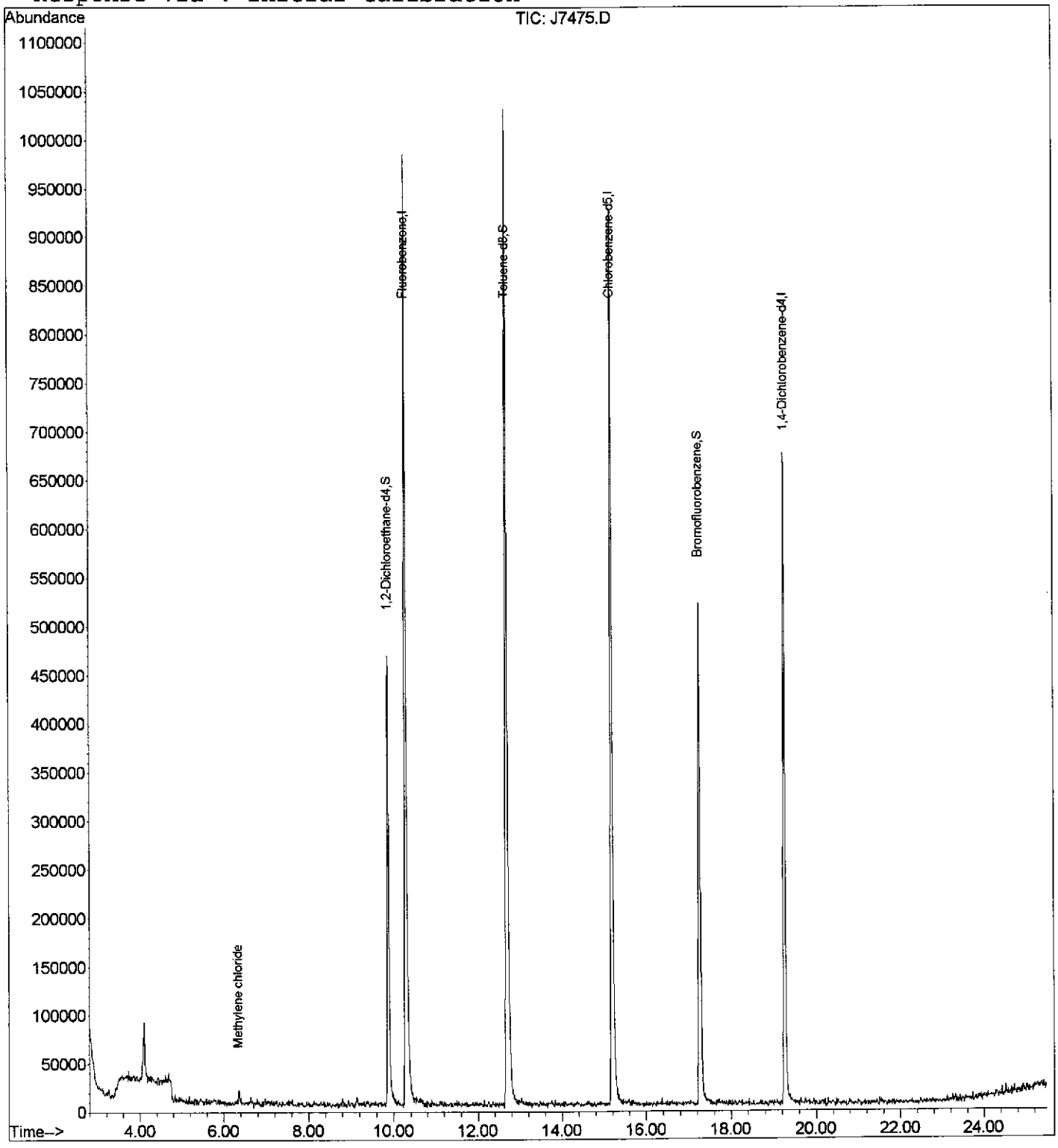
Quantitation Report

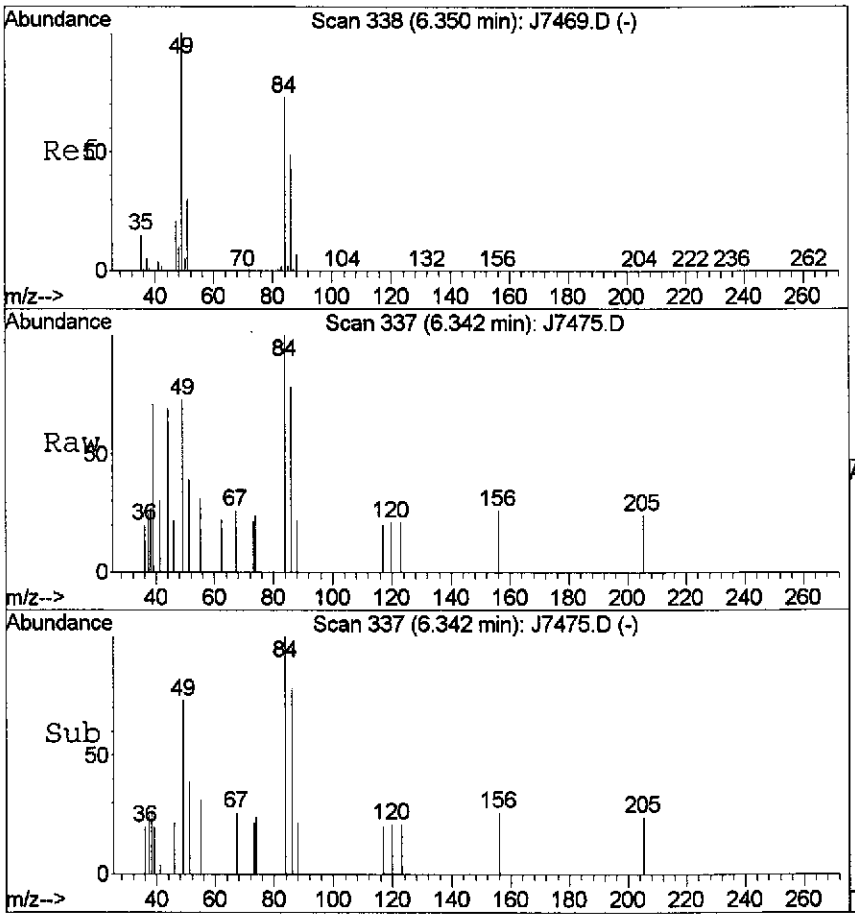
Data File : C:\HPCHEM\1\DATA\J7475.D
Acq On : 22 Oct 2008 13:55
Sample : MB-15252
Misc : MBLK,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:17 2008

Vial: 43
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration

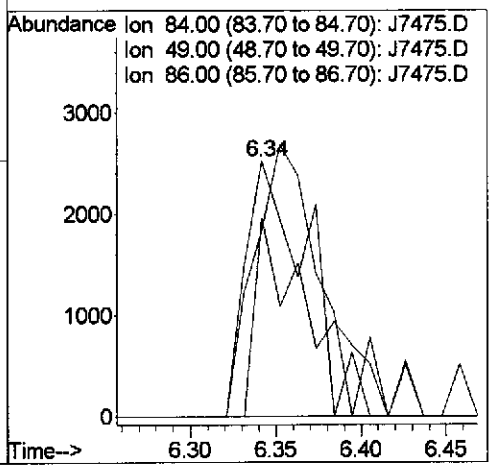




#11
Methylene chloride
Concen: 0.17 ug/L
RT: 6.34 min Scan# 337
Delta R.T. -0.01 min
Lab File: J7475.D
Acq: 22 Oct 2008 13:55

Tgt Ion: 84 Resp: 6370

Ion	Ratio	Lower	Upper
84	100		
49	118.1	99.3	159.3
86	73.5	33.2	93.2



Form 1 TIC

CLIENT SAMPLE NO.

Volatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-15252

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: MB-15252

Sample wt/vol: 10 (g/mL) ML Lab File ID: J7475.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/22/08

GC Column: Rtx-VMS ID: 0.18 (mm) Dilution Factor: 1.00

Extract Volume: _____ (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Tentatively Identified Compound (LSC) summary

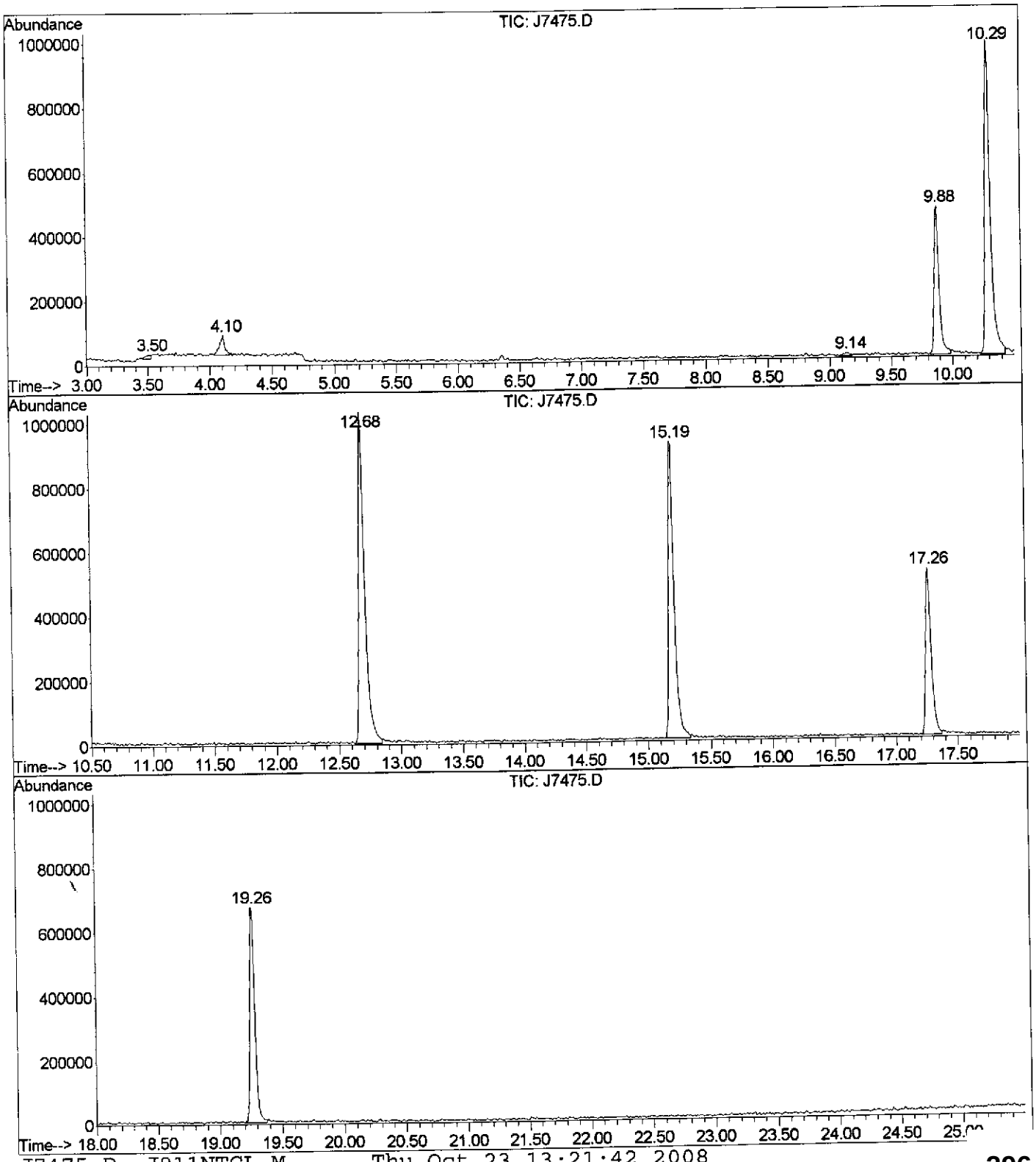
Operator ID: JK Date Acquired: 22 Oct 2008 13:55
Data File: C:\HPCHEM\1\DATA\J7475.D
Name: MB-15252
Misc: MBLK,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J7475.D J911NTCL.M Thu Oct 23 13:21:42 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\J7475.D
Operator : JK
Acquired : 22 Oct 2008 13:55 using AcqMethod J911VOCW
Instrument : #3MS10
Sample Name: MB-15252
Misc Info : MBLK,8260W_OLM42,
Vial Number: 43
Quant File :J911NTCL.RES (RTE Integrator)



Matrix Spike Blank

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-15252**	SampType: **MSB**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **ZZZZZ**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398857**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.88	1.00	10	0	89	68	134				
Chloromethane	9.64	1.00	10	0	96	58	135				
Vinyl chloride	9.45	1.00	10	0	94	70	130				
Bromomethane	9.35	1.00	10	0	94	29	156				
Chloroethane	10.4	1.00	10	0	104	70	130				
Trichlorofluoromethane	12.8	1.00	10	0	128	70	131				
1,1-Dichloroethene	8.78	0.500	10	0	88	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.9	10.0	20	0	84	25	150				
Carbon disulfide	10.2	0.500	10	0	102	66	130				
Methyl acetate	7.53	5.00	10	0	75	63	132				
Methylene chloride	9.75	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.62	0.500	10	0	96	70	130				
Methyl tert-butyl ether	8.35	1.00	10	0	84	70	130				
1,1-Dichloroethane	9.90	0.500	10	0	99	70	130				
cis-1,2-Dichloroethene	9.53	0.500	10	0	95	48	151				
2-Butanone	19.7	10.0	20	0	98	25	150				
Chloroform	10.7	0.500	10	0	107	70	130				
1,1,1-Trichloroethane	9.77	0.500	10	0	98	70	130				
Cyclohexane	10.3	0.500	10	0	103	70	130				
Carbon tetrachloride	8.48	0.500	10	0	85	70	140				
Benzene	10.1	0.500	10	0	101	70	132				
1,2-Dichloroethane	10.7	0.500	10	0	107	70	130				
Trichloroethene	9.85	0.500	10	0	98	42	167				
Methylcyclohexane	10.4	0.500	10	0	104	62	130				
1,2-Dichloropropane	10.2	0.500	10	0	102	70	130				
Bromodichloromethane	9.70	0.500	10	0	97	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

298 : *23-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-15252** SampType: **MSB** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**
Client ID: **ZZZZZ** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398857**
Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.3	0.500	10	0	103	70	130				
4-Methyl-2-pentanone	17.7	5.00	20	0	89	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.20	0.500	10	0	92	58	132				
1,1,2-Trichloroethane	10.1	0.500	10	0	101	68	133				
Tetrachloroethene	8.61	0.500	10	0	86	70	130				
2-Hexanone	15.1	5.00	20	0	76	25	155				
Dibromochloromethane	7.21	0.500	10	0	72	70	130				
1,2-Dibromoethane	8.31	0.500	10	0	83	70	130				
Chlorobenzene	9.13	0.500	10	0	91	69	130				
Ethylbenzene	9.13	0.500	10	0	91	70	130				
Xylenes (total)	26.2	1.00	30	0	87	65	132				
Styrene	8.80	0.500	10	0	88	57	133				
Bromoform	7.96	1.00	10	0	80	70	130				
Isopropylbenzene	9.51	0.500	10	0	95	70	130				
1,1,2,2-Tetrachloroethane	10.4	0.500	10	0	104	68	136				
1,3-Dichlorobenzene	9.60	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.84	0.500	10	0	98	70	130				
1,2-Dichlorobenzene	9.52	0.500	10	0	95	70	130				
1,2-Dibromo-3-chloropropane	7.75	5.00	10	0	78	55	149				
1,2,4-Trichlorobenzene	7.26	1.00	10	0	73	68	130				
Surr: 1,2-Dichloroethane-d4	10.8	0.100	10	0	108	75	134				
Surr: Toluene-d8	9.12	0.100	10	0	91	75	125				
Surr: 4-Bromofluorobenzene	9.51	0.100	10	0	95	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7472.D
Acq On : 22 Oct 2008 12:14
Sample : MSB-15252
Misc : MSB ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 40
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1421405	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.18	82	622092	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.27	152	364354	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	425448	10.79	ug/L	0.00
Spiked Amount 10.000			Recovery =	107.90%		
37) Toluene-d8	12.68	98	1367377	9.12	ug/L	0.00
Spiked Amount 10.000			Recovery =	91.20%		
49) Bromofluorobenzene	17.26	95	422981	9.51	ug/L	0.00
Spiked Amount 10.000			Recovery =	95.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	477055	8.88	ug/L	95
3) Chloromethane	3.30	50	539583	9.64	ug/L	100
4) Vinyl chloride	3.44	62	646120	9.45	ug/L	99
5) Bromomethane	4.02	94	520003	9.35	ug/L	100
6) Chloroethane	4.24	64	490291	10.38	ug/L	99
7) Trichlorofluoromethane	4.51	101	1011758	12.75	ug/L	99
8) 1,1-Dichloroethene	5.39	96	296299	8.78	ug/L	97
9) Carbon disulfide	5.44	76	1148201	10.16	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	404534	11.02	ug/L	95
11) Methylene chloride	6.35	84	386960	9.75	ug/L	98
12) Acetone	6.46	43	128429	16.88	ug/L	99
13) trans-1,2-Dichloroethene	6.63	96	338421	9.62	ug/L	98
14) Methyl acetate	6.80	43	194138	7.53	ug/L	97
15) Methyl tert-Butyl ether	6.80	73	803152	8.35	ug/L	97
16) 1,1-Dichloroethane	7.58	63	688842	9.90	ug/L	99
17) cis-1,2-Dichloroethene	8.40	96	373712	9.53	ug/L	99
18) Cyclohexane	8.72	56	655448	10.31	ug/L	97
19) Chloroform	8.80	83	680395	10.73	ug/L	98
20) Carbon tetrachloride	9.03	117	289423	8.48	ug/L	98
21) 1,1,1-Trichloroethane	9.13	97	511936	9.77	ug/L	98
22) 2-Butanone	9.28	43	218229	19.68	ug/L	90
23) Benzene	9.68	78	1645837	10.06	ug/L	100
25) 1,2-Dichloroethane	9.97	62	495523	10.71	ug/L	99
26) Methylcyclohexane	10.54	83	610313	10.40	ug/L	96
27) Trichloroethene	10.55	130	364239	9.85	ug/L	99
28) 1,2-Dichloropropane	11.33	63	390670	10.17	ug/L	99
29) Bromodichloromethane	11.43	83	392850	9.70	ug/L	98
30) cis-1,3-Dichloropropene	12.39	75	561473	10.31	ug/L	91
31) Toluene	12.77	92	983856	10.04	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7472.D
Acq On : 22 Oct 2008 12:14
Sample : MSB-15252
Misc : MSB ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 40
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 4-Methyl-2-pentanone	13.35	43	420763	17.71	ug/L	97
33) trans-1,3-Dichloropropene	13.41	75	441689	9.20	ug/L	94
34) 1,1,2-Trichloroethane	13.67	83	246953	10.08	ug/L	99
35) 2-Hexanone	14.69	43	254462	15.13	ug/L	99
38) Tetrachloroethene	13.39	166	317856	8.61	ug/L	95
39) Dibromochloromethane	13.97	129	201388	7.21	ug/L	99
40) 1,2-Dibromoethane	14.36	107	236832	8.31	ug/L	98
41) Chlorobenzene	15.22	112	1017885	9.13	ug/L	97
42) Ethylbenzene	15.24	91	1817024	9.13	ug/L	100
43) (m+p)-Xylene	15.48	106	1342740	17.87	ug/L	98
44) o-Xylene	16.22	106	601087	8.30	ug/L	95
45) Styrene	16.30	104	887459	8.80	ug/L	99
46) Bromoform	16.37	173	92435	7.96	ug/L	97
48) Isopropylbenzene	16.75	105	1398020	9.51	ug/L	100
50) 1,1,2,2-Tetrachloroethane	17.59	83	336682	10.37	ug/L	99
51) 1,3-Dichlorobenzene	19.13	146	620697	9.60	ug/L	99
52) 1,4-Dichlorobenzene	19.29	146	600489	9.84	ug/L	94
53) 1,2-Dichlorobenzene	20.07	146	566820	9.52	ug/L	98
54) 1,2-Dibromo-3-chloropropan	21.56	75	31789	7.75	ug/L	93
55) 1,2,4-Trichlorobenzene	22.75	180	191803	7.26	ug/L	97

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

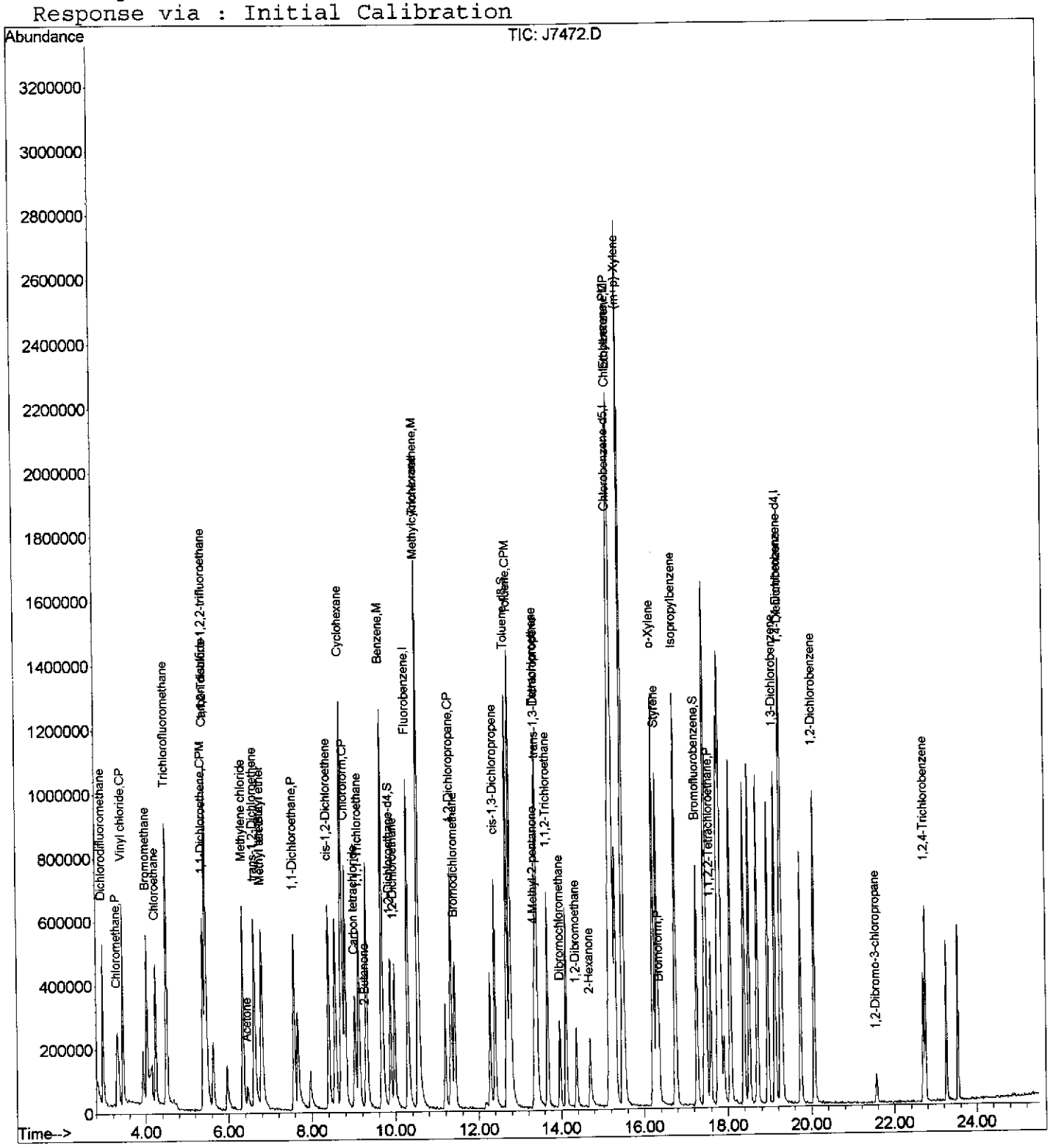
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7472.D
Acq On : 22 Oct 2008 12:14
Sample : MSB-15252
Misc : MSB ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:12 2008

Vial: 40
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



Matrix Spike

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002AMS**	SampType: **MS**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo: **15252**			
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo: **398866**			
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	8.92	1.00	10	0	89	68	134				
Chloromethane	10.6	1.00	10	0	106	58	135				
Vinyl chloride	10.2	1.00	10	0	102	70	130				
Bromomethane	10.1	1.00	10	0	101	29	156				
Chloroethane	11.2	1.00	10	0	112	70	130				
Trichlorofluoromethane	13.4	1.00	10	0	134	70	131				S
1,1-Dichloroethene	8.70	0.500	10	0	87	70	135				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.0	0.500	10	0	110	70	130				
Acetone	16.4	10.0	20	0	82	25	150				
Carbon disulfide	10.6	0.500	10	0	106	66	130				
Methyl acetate	7.79	5.00	10	0	78	63	132				
Methylene chloride	9.83	2.00	10	0	98	70	130				
trans-1,2-Dichloroethene	9.56	0.500	10	0	96	70	130				
Methyl tert-butyl ether	9.00	1.00	10	0	90	70	130				
1,1-Dichloroethane	10.5	0.500	10	0	105	70	130				
cis-1,2-Dichloroethene	9.70	0.500	10	0	97	48	151				
2-Butanone	18.2	10.0	20	0	91	25	150				
Chloroform	15.8	0.500	10	4.98	108	70	130				
1,1,1-Trichloroethane	10.2	0.500	10	0	102	70	130				
Cyclohexane	10.4	0.500	10	0	104	70	130				
Carbon tetrachloride	9.16	0.500	10	0	92	70	140				
Benzene	9.98	0.500	10	0	100	70	132				
1,2-Dichloroethane	10.8	0.500	10	0	108	70	130				
Trichloroethene	9.91	0.500	10	0	99	42	167				
Methylcyclohexane	9.92	0.500	10	0	99	62	130				
1,2-Dichloropropane	10.4	0.500	10	0	104	70	130				
Bromodichloromethane	10.6	0.500	10	0	106	70	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMS** SampType: **MS** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**

Client ID: **MW-2** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398866**

Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.39	0.500	10	0	94	70	130				
4-Methyl-2-pentanone	17.5	5.00	20	0	87	44	150				
Toluene	10.0	0.500	10	0	100	70	130				
trans-1,3-Dichloropropene	9.70	0.500	10	0	97	58	132				
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133				
Tetrachloroethene	8.41	0.500	10	0	84	70	130				
2-Hexanone	14.9	5.00	20	0	74	25	155				
Dibromochloromethane	7.28	0.500	10	0	73	70	130				
1,2-Dibromoethane	8.76	0.500	10	0	88	70	130				
Chlorobenzene	9.18	0.500	10	0	92	69	130				
Ethylbenzene	9.08	0.500	10	0	91	70	130				
Xylenes (total)	26.0	1.00	30	0	87	65	132				
Styrene	8.71	0.500	10	0	87	57	133				
Bromoform	8.32	1.00	10	0	83	70	130				
Isopropylbenzene	9.55	0.500	10	0	96	70	130				
1,1,2,2-Tetrachloroethane	11.6	0.500	10	0	116	68	136				
1,3-Dichlorobenzene	9.63	0.500	10	0	96	70	130				
1,4-Dichlorobenzene	9.93	0.500	10	0	99	70	130				
1,2-Dichlorobenzene	9.81	0.500	10	0	98	70	130				
1,2-Dibromo-3-chloropropane	8.31	5.00	10	0	83	55	149				
1,2,4-Trichlorobenzene	7.69	1.00	10	0	77	68	130				
Surr: 1,2-Dichloroethane-d4	11.4	0.100	10	0	114	75	134				
Surr: Toluene-d8	9.05	0.100	10	0	90	75	125				
Surr: 4-Bromofluorobenzene	10.0	0.100	10	0	100	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7482.D
Acq On : 22 Oct 2008 17:51
Sample : 0810110-002AMS
Misc : MS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 50
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1357344	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.19	82	590803	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.26	152	333138	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.88	65	428712	11.39	ug/L	0.00
Spiked Amount 10.000			Recovery =	113.90%		
37) Toluene-d8	12.68	98	1288763	9.05	ug/L	0.00
Spiked Amount 10.000			Recovery =	90.50%		
49) Bromofluorobenzene	17.25	95	406638	10.00	ug/L	0.00
Spiked Amount 10.000			Recovery =	100.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	457491	8.92	ug/L	99
3) Chloromethane	3.31	50	566497	10.60	ug/L	97
4) Vinyl chloride	3.44	62	665737	10.19	ug/L	98
5) Bromomethane	4.02	94	537558	10.12	ug/L	100
6) Chloroethane	4.24	64	504718	11.19	ug/L	99
7) Trichlorofluoromethane	4.50	101	1015488	13.40	ug/L	98
8) 1,1-Dichloroethene	5.39	96	280463	8.70	ug/L	94
9) Carbon disulfide	5.45	76	1148521	10.65	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	5.46	101	386364	11.02	ug/L	92
11) Methylene chloride	6.34	84	372247	9.83	ug/L	100
12) Acetone	6.46	43	119099	16.39	ug/L	100
13) trans-1,2-Dichloroethene	6.62	96	321345	9.56	ug/L	98
14) Methyl acetate	6.80	43	191660	7.79	ug/L	93
15) Methyl tert-Butyl ether	6.80	73	826745	9.00	ug/L	97
16) 1,1-Dichloroethane	7.58	63	697202	10.50	ug/L	99
17) cis-1,2-Dichloroethene	8.40	96	363372	9.70	ug/L	99
18) Cyclohexane	8.72	56	634011	10.44	ug/L	99
19) Chloroform	8.80	83	955967	15.79	ug/L	96
20) Carbon tetrachloride	9.02	117	298477	9.16	ug/L	100
21) 1,1,1-Trichloroethane	9.12	97	510018	10.19	ug/L	98
22) 2-Butanone	9.28	43	192807	18.21	ug/L	94
23) Benzene	9.68	78	1559553	9.98	ug/L	100
25) 1,2-Dichloroethane	9.97	62	475125	10.75	ug/L	99
26) Methylcyclohexane	10.54	83	555755	9.92	ug/L	95
27) Trichloroethene	10.55	130	350013	9.91	ug/L	99
28) 1,2-Dichloropropane	11.33	63	381617	10.40	ug/L	99
29) Bromodichloromethane	11.43	83	408241	10.55	ug/L	99
30) cis-1,3-Dichloropropene	12.39	75	488178	9.39	ug/L	93
31) Toluene	12.76	92	938227	10.03	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7482.D
Acq On : 22 Oct 2008 17:51
Sample : 0810110-002AMS
Misc : MS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 50
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 4-Methyl-2-pentanone	13.34	43	396609	17.48	ug/L	97
33) trans-1,3-Dichloropropene	13.41	75	446293	9.70	ug/L	93
34) 1,1,2-Trichloroethane	13.67	83	246688	10.55	ug/L	99
35) 2-Hexanone	14.69	43	238668	14.89	ug/L	99
38) Tetrachloroethene	13.39	166	294956	8.41	ug/L	93
39) Dibromochloromethane	13.96	129	193334	7.28	ug/L	98
40) 1,2-Dibromoethane	14.36	107	237129	8.76	ug/L	99
41) Chlorobenzene	15.22	112	971675	9.18	ug/L	97
42) Ethylbenzene	15.24	91	1714658	9.08	ug/L	99
43) (m+p)-Xylene	15.48	106	1260466	17.66	ug/L	99
44) o-Xylene	16.22	106	573957	8.34	ug/L	100
45) Styrene	16.30	104	834206	8.71	ug/L	99
46) Bromoform	16.37	173	92253	8.32	ug/L	96
48) Isopropylbenzene	16.75	105	1284278	9.55	ug/L	100
50) 1,1,2,2-Tetrachloroethane	17.59	83	345647	11.64	ug/L	99
51) 1,3-Dichlorobenzene	19.13	146	569087	9.63	ug/L	99
52) 1,4-Dichlorobenzene	19.29	146	554192	9.93	ug/L	96
53) 1,2-Dichlorobenzene	20.07	146	534492	9.81	ug/L	98
54) 1,2-Dibromo-3-chloropropan	21.57	75	31537	8.31	ug/L	97
55) 1,2,4-Trichlorobenzene	22.75	180	185772	7.69	ug/L	95

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

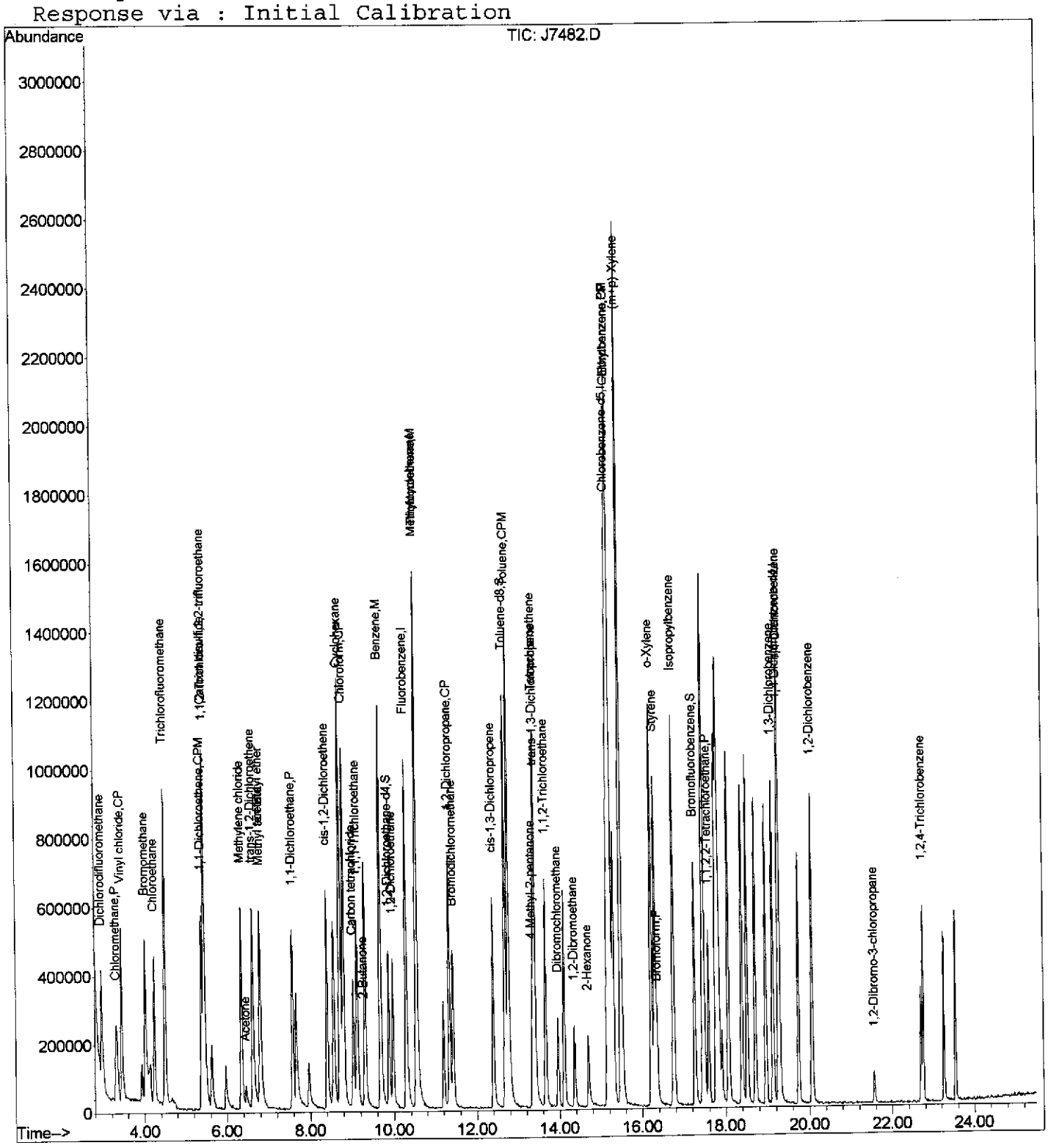
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7482.D
Acq On : 22 Oct 2008 17:51
Sample : 0810110-002AMS
Misc : MS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 50
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMSD** SampType: **MSD** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**

Client ID: **MW-2** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398867**

Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.64	1.00	10	0	96	68	134	8.92	7.8	20	
Chloromethane	10.8	1.00	10	0	108	58	135	10.6	2.2	20	
Vinyl chloride	10.6	1.00	10	0	106	70	130	10.2	3.5	20	
Bromomethane	10.4	1.00	10	0	104	29	156	10.1	2.8	24	
Chloroethane	11.1	1.00	10	0	111	70	130	11.2	0.7	20	
Trichlorofluoromethane	13.5	1.00	10	0	135	70	131	13.4	0.8	20	S
1,1-Dichloroethene	9.17	0.500	10	0	92	70	135	8.7	5.3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane	11.2	0.500	10	0	112	70	130	11	1.3	20	
Acetone	16.4	10.0	20	0	82	25	150	16.4	0.2	50	
Carbon disulfide	10.6	0.500	10	0	106	66	130	10.6	0.1	20	
Methyl acetate	7.76	5.00	10	0	78	63	132	7.79	0.4	20	
Methylene chloride	9.72	2.00	10	0	97	70	130	9.83	1.1	20	
trans-1,2-Dichloroethene	9.65	0.500	10	0	97	70	130	9.56	0.9	20	
Methyl tert-butyl ether	9.03	1.00	10	0	90	70	130	9	0.3	20	
1,1-Dichloroethane	10.4	0.500	10	0	104	70	130	10.5	1.3	20	
cis-1,2-Dichloroethene	9.77	0.500	10	0	98	48	151	9.7	0.7	20	
2-Butanone	19.4	10.0	20	0	97	25	150	18.2	6.1	50	
Chloroform	15.7	0.500	10	4.98	108	70	130	15.8	0.3	20	
1,1,1-Trichloroethane	10.6	0.500	10	0	106	70	130	10.2	3.8	20	
Cyclohexane	10.4	0.500	10	0	104	70	130	10.4	0.7	20	
Carbon tetrachloride	9.78	0.500	10	0	98	70	140	9.16	6.5	20	
Benzene	10.2	0.500	10	0	102	70	132	9.98	2.1	20	
1,2-Dichloroethane	10.9	0.500	10	0	109	70	130	10.8	1.5	20	
Trichloroethene	10.1	0.500	10	0	101	42	167	9.91	2.1	20	
Methylcyclohexane	9.82	0.500	10	0	98	62	130	9.92	1.0	20	
1,2-Dichloropropane	10.5	0.500	10	0	105	70	130	10.4	0.8	20	
Bromodichloromethane	10.9	0.500	10	0	109	70	130	10.6	3.4	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002AMSD**	SampType: **MSD**	TestCode: **8260W_OLM**	Units: **µg/L**	Prep Date:		RunNo:	**15252**
Client ID: **MW-2**	Batch ID: **R15252**	Method: **SW8260B**		Analysis Date: **10/22/08**		SeqNo:	**398867**
Instrument: **MS03_10**	ColumnID: **Rtx-VMS**	**Rtx-VMS, 1.0 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	9.63	0.500	10	0	96	70	130	9.39	2.5	20	
4-Methyl-2-pentanone	18.4	5.00	20	0	92	44	150	17.5	5.0	50	
Toluene	9.94	0.500	10	0	99	70	130	10	0.9	20	
trans-1,3-Dichloropropene	9.72	0.500	10	0	97	58	132	9.7	0.2	25	
1,1,2-Trichloroethane	10.6	0.500	10	0	106	68	133	10.6	0.7	20	
Tetrachloroethene	8.49	0.500	10	0	85	70	130	8.41	0.9	20	
2-Hexanone	15.9	5.00	20	0	80	25	155	14.9	6.7	50	
Dibromochloromethane	7.71	0.500	10	0	77	70	130	7.28	5.7	20	
1,2-Dibromoethane	9.03	0.500	10	0	90	70	130	8.76	3.0	20	
Chlorobenzene	9.44	0.500	10	0	94	69	130	9.18	2.8	20	
Ethylbenzene	9.26	0.500	10	0	93	70	130	9.08	2.0	20	
Xylenes (total)	26.7	1.00	30	0	89	65	132	26	2.7	20	
Styrene	8.99	0.500	10	0	90	57	133	8.71	3.2	20	
Bromoform	9.08	1.00	10	0	91	70	130	8.32	8.7	20	
Isopropylbenzene	9.86	0.500	10	0	99	70	130	9.55	3.2	20	
1,1,2,2-Tetrachloroethane	11.5	0.500	10	0	115	68	136	11.6	1.0	20	
1,3-Dichlorobenzene	9.97	0.500	10	0	100	70	130	9.63	3.5	20	
1,4-Dichlorobenzene	9.71	0.500	10	0	97	70	130	9.93	2.2	20	
1,2-Dichlorobenzene	9.90	0.500	10	0	99	70	130	9.81	0.9	20	
1,2-Dibromo-3-chloropropane	8.99	5.00	10	0	90	55	149	8.31	7.9	20	
1,2,4-Trichlorobenzene	7.80	1.00	10	0	78	68	130	7.69	1.4	20	
Surr: 1,2-Dichloroethane-d4	10.9	0.100	10	0	109	75	134	0		0	
Surr: Toluene-d8	9.31	0.100	10	0	93	75	125	0		0	
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125	0		0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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23-Oct-08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7483.D
Acq On : 22 Oct 2008 18:25
Sample : 0810110-002AMSD
Misc : MSD ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 51
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1418381	10.00	ug/L	0.00
36) Chlorobenzene-d5	15.18	82	611446	10.00	ug/L	0.00
47) 1,4-Dichlorobenzene-d4	19.26	152	353794	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.87	65	429143	10.91	ug/L	0.00
Spiked Amount 10.000			Recovery = 109.10%			
37) Toluene-d8	12.68	98	1372567	9.31	ug/L	0.00
Spiked Amount 10.000			Recovery = 93.10%			
49) Bromofluorobenzene	17.25	95	437078	10.12	ug/L	0.00
Spiked Amount 10.000			Recovery = 101.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	516936	9.64	ug/L	99
3) Chloromethane	3.31	50	605713	10.84	ug/L	100
4) Vinyl chloride	3.44	62	720374	10.55	ug/L	100
5) Bromomethane	4.02	94	577709	10.41	ug/L	98
6) Chloroethane	4.24	64	523394	11.11	ug/L	98
7) Trichlorofluoromethane	4.49	101	1070192	13.51	ug/L	99
8) 1,1-Dichloroethene	5.38	96	308765	9.17	ug/L	99
9) Carbon disulfide	5.44	76	1199816	10.64	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	408766	11.16	ug/L	96
11) Methylene chloride	6.35	84	384968	9.72	ug/L	96
12) Acetone	6.46	43	124729	16.42	ug/L	93
13) trans-1,2-Dichloroethene	6.62	96	338913	9.65	ug/L	99
14) Methyl acetate	6.79	43	199432	7.76	ug/L	99
15) Methyl tert-Butyl ether	6.79	73	867378	9.03	ug/L	96
16) 1,1-Dichloroethane	7.58	63	718862	10.36	ug/L	99
17) cis-1,2-Dichloroethene	8.40	96	382524	9.77	ug/L	98
18) Cyclohexane	8.72	56	657987	10.37	ug/L	99
19) Chloroform	8.80	83	996088	15.74	ug/L	100
20) Carbon tetrachloride	9.02	117	333252	9.78	ug/L	98
21) 1,1,1-Trichloroethane	9.13	97	553292	10.58	ug/L	96
22) 2-Butanone	9.27	43	214265	19.36	ug/L	93
23) Benzene	9.68	78	1663685	10.19	ug/L	100
25) 1,2-Dichloroethane	9.97	62	503804	10.91	ug/L	99
26) Methylcyclohexane	10.54	83	575021	9.82	ug/L	97
27) Trichloroethene	10.55	130	373248	10.12	ug/L	97
28) 1,2-Dichloropropane	11.33	63	401924	10.48	ug/L	97
29) Bromodichloromethane	11.43	83	441571	10.92	ug/L	100
30) cis-1,3-Dichloropropene	12.39	75	523338	9.63	ug/L	94
31) Toluene	12.77	92	972248	9.94	ug/L	96

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\J7483.D
Acq On : 22 Oct 2008 18:25
Sample : 0810110-002AMSD
Misc : MSD ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 51
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
32) 4-Methyl-2-pentanone	13.35	43	435621	18.37	ug/L	97
33) trans-1,3-Dichloropropene	13.41	75	467107	9.72	ug/L	94
34) 1,1,2-Trichloroethane	13.66	83	259586	10.62	ug/L	99
35) 2-Hexanone	14.69	43	269077	15.93	ug/L	97
38) Tetrachloroethene	13.39	166	308281	8.49	ug/L	93
39) Dibromochloromethane	13.96	129	213645	7.71	ug/L	97
40) 1,2-Dibromoethane	14.36	107	252898	9.03	ug/L	99
41) Chlorobenzene	15.22	112	1034631	9.44	ug/L	98
42) Ethylbenzene	15.24	91	1810610	9.26	ug/L	99
43) (m+p)-Xylene	15.48	106	1336257	18.09	ug/L	99
44) o-Xylene	16.22	106	613564	8.62	ug/L	96
45) Styrene	16.30	104	891789	8.99	ug/L	98
46) Bromoform	16.37	173	105234	9.08	ug/L	97
48) Isopropylbenzene	16.75	105	1407972	9.86	ug/L	99
50) 1,1,2,2-Tetrachloroethane	17.59	83	363391	11.52	ug/L	97
51) 1,3-Dichlorobenzene	19.13	146	625616	9.97	ug/L	98
52) 1,4-Dichlorobenzene	19.29	146	574960	9.71	ug/L	98
53) 1,2-Dichlorobenzene	20.07	146	572903	9.90	ug/L	97
54) 1,2-Dibromo-3-chloropropan	21.56	75	36677	8.99	ug/L	90
55) 1,2,4-Trichlorobenzene	22.75	180	200019	7.80	ug/L	93

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

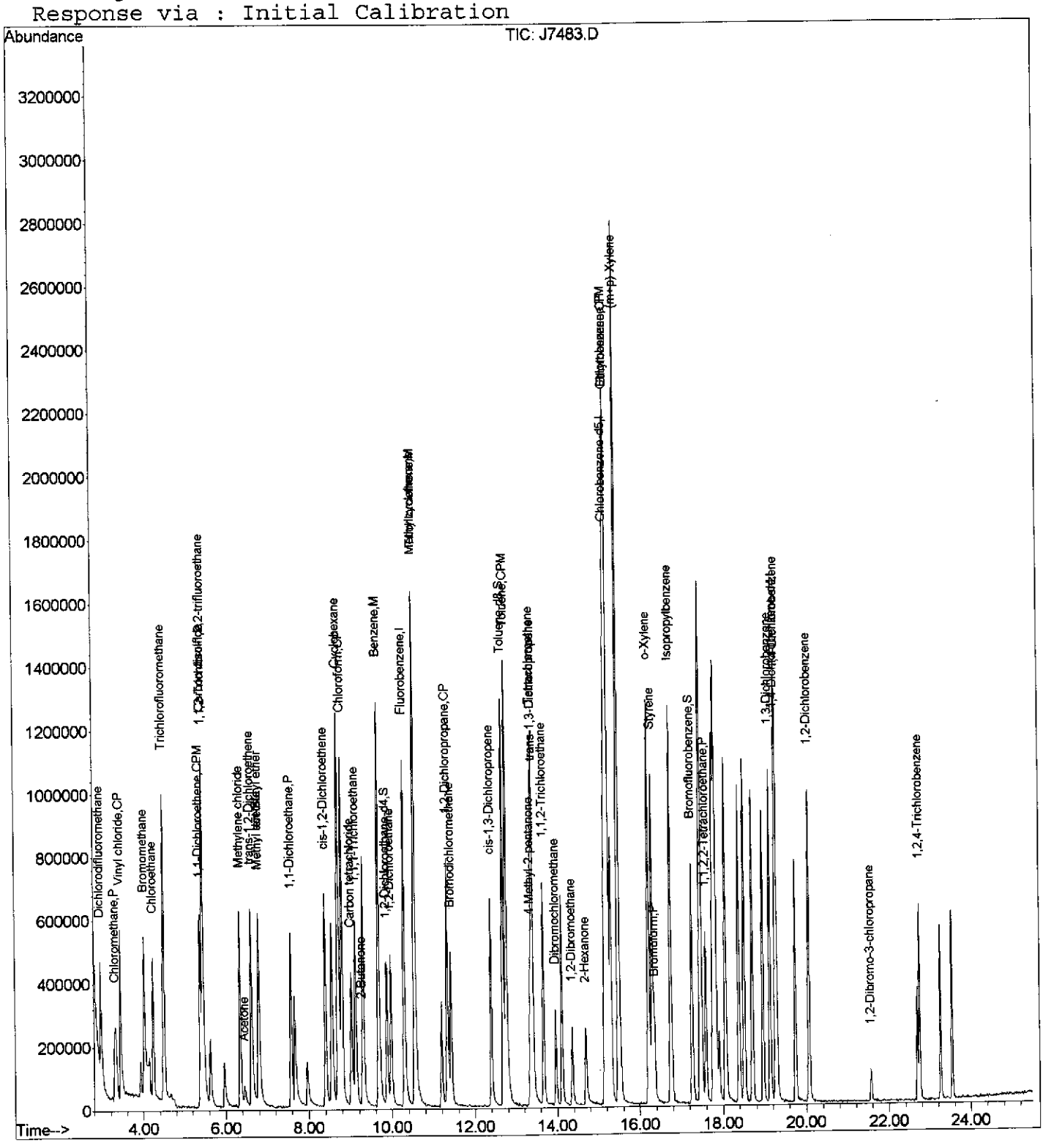
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7483.D
Acq On : 22 Oct 2008 18:25
Sample : 0810110-002AMSD
Misc : MSD ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 51
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



Laboratory Control Sample

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-15252** SampType: **LCS** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**

Client ID: **ZZZZZ** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398858**

Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	9.96	1.00	10	0	100	63	139				
Chloromethane	10.7	1.00	10	0	107	59	133				
Vinyl chloride	10.5	1.00	10	0	105	75	125				
Bromomethane	10.2	1.00	10	0	103	42	156				
Chloroethane	11.7	1.00	10	0	117	75	124				
Trichlorofluoromethane	13.6	1.00	10	0	136	73	132				S
1,1-Dichloroethene	8.81	0.500	10	0	88	77	126				
1,1,2-Trichloro-1,2,2-trifluoroethane	11.3	0.500	10	0	113	80	120				
Acetone	19.3	10.0	20	0	96	37	163				
Carbon disulfide	10.6	0.500	10	0	106	76	122				
Methyl acetate	7.09	5.00	10	0	71	67	136				
Methylene chloride	9.69	2.00	10	0	97	78	120				
trans-1,2-Dichloroethene	9.35	0.500	10	0	94	80	120				
Methyl tert-butyl ether	8.98	1.00	10	0	90	76	122				
1,1-Dichloroethane	10.1	0.500	10	0	101	80	120				
cis-1,2-Dichloroethene	10.0	0.500	10	0	100	80	120				
2-Butanone	20.5	10.0	20	0	102	49	153				
Chloroform	10.7	0.500	10	0	107	80	120				
1,1,1-Trichloroethane	10.4	0.500	10	0	104	80	127				
Cyclohexane	10.6	0.500	10	0	106	78	124				
Carbon tetrachloride	9.46	0.500	10	0	95	74	137				
Benzene	10.1	0.500	10	0	101	80	120				
1,2-Dichloroethane	10.6	0.500	10	0	106	73	126				
Trichloroethene	10.1	0.500	10	0	101	80	120				
Methylcyclohexane	10.1	0.500	10	0	101	75	126				
1,2-Dichloropropane	10.2	0.500	10	0	102	80	120				
Bromodichloromethane	10.7	0.500	10	0	107	78	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

315

23-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-15252** SampType: **LCS** TestCode: **8260W_OLM** Units: **µg/L** Prep Date: RunNo: **15252**
Client ID: **ZZZZZ** Batch ID: **R15252** Method: **SW8260B** Analysis Date: **10/22/08** SeqNo: **398858**
Instrument: **MS03_10** ColumnID: **Rtx-VMS** **Rtx-VMS, 1.0 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	10.6	0.500	10	0	106	80	120				
4-Methyl-2-pentanone	19.3	5.00	20	0	97	50	150				
Toluene	10.0	0.500	10	0	101	80	120				
trans-1,3-Dichloropropene	9.95	0.500	10	0	100	73	121				
1,1,2-Trichloroethane	10.8	0.500	10	0	108	80	120				
Tetrachloroethene	9.01	0.500	10	0	90	80	120				
2-Hexanone	16.5	5.00	20	0	83	44	152				
Dibromochloromethane	7.97	0.500	10	0	80	75	123				
1,2-Dibromoethane	9.03	0.500	10	0	90	80	120				
Chlorobenzene	9.57	0.500	10	0	96	80	120				
Ethylbenzene	9.50	0.500	10	0	95	80	120				
Xylenes (total)	27.0	1.00	30	0	90	80	120				
Styrene	8.96	0.500	10	0	90	79	120				
Bromoform	9.46	1.00	10	0	95	72	126				
Isopropylbenzene	9.79	0.500	10	0	98	80	121				
1,1,2,2-Tetrachloroethane	10.8	0.500	10	0	108	73	122				
1,3-Dichlorobenzene	9.48	0.500	10	0	95	80	120				
1,4-Dichlorobenzene	9.72	0.500	10	0	97	80	120				
1,2-Dichlorobenzene	9.57	0.500	10	0	96	80	120				
1,2-Dibromo-3-chloropropane	8.54	5.00	10	0	85	71	124				
1,2,4-Trichlorobenzene	7.57	1.00	10	0	76	73	123				
Surr: 1,2-Dichloroethane-d4	11.0	0.100	10	0	110	75	134				
Surr: Toluene-d8	9.46	0.100	10	0	95	75	125				
Surr: 4-Bromofluorobenzene	9.78	0.100	10	0	98	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\J7473.D
Acq On : 22 Oct 2008 12:48
Sample : LCS-15252
Misc : LCS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 41
Operator: JK
Inst : #3MS10
Multiplr: 1.00
Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.29	96	1444341	10.00	ug/L	-0.01
36) Chlorobenzene-d5	15.18	82	615160	10.00	ug/L	-0.01
47) 1,4-Dichlorobenzene-d4	19.27	152	368150	10.00	ug/L	0.00
System Monitoring Compounds						
24) 1,2-Dichloroethane-d4	9.87	65	438838	10.95	ug/L	0.00
Spiked Amount 10.000			Recovery =	109.50%		
37) Toluene-d8	12.68	98	1403750	9.46	ug/L	0.00
Spiked Amount 10.000			Recovery =	94.60%		
49) Bromofluorobenzene	17.26	95	439573	9.78	ug/L	0.00
Spiked Amount 10.000			Recovery =	97.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.95	85	543696	9.96	ug/L	98
3) Chloromethane	3.31	50	607848	10.68	ug/L	99
4) Vinyl chloride	3.44	62	727829	10.47	ug/L	99
5) Bromomethane	4.02	94	579229	10.25	ug/L	99
6) Chloroethane	4.24	64	562905	11.73	ug/L	97
7) Trichlorofluoromethane	4.49	101	1095702	13.59	ug/L	99
8) 1,1-Dichloroethene	5.39	96	302043	8.81	ug/L	98
9) Carbon disulfide	5.44	76	1221324	10.64	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	5.45	101	422249	11.32	ug/L	92
11) Methylene chloride	6.35	84	390628	9.69	ug/L	97
12) Acetone	6.45	43	149199	19.29	ug/L	96
13) trans-1,2-Dichloroethene	6.61	96	334292	9.35	ug/L	98
14) Methyl acetate	6.80	43	185760	7.09	ug/L	98
15) Methyl tert-Butyl ether	6.79	73	878093	8.98	ug/L	95
16) 1,1-Dichloroethane	7.57	63	713415	10.10	ug/L	98
17) cis-1,2-Dichloroethene	8.40	96	399610	10.02	ug/L	96
18) Cyclohexane	8.71	56	682169	10.56	ug/L	98
19) Chloroform	8.80	83	690812	10.72	ug/L	98
20) Carbon tetrachloride	9.03	117	328163	9.46	ug/L	99
21) 1,1,1-Trichloroethane	9.12	97	552479	10.38	ug/L	99
22) 2-Butanone	9.27	43	230731	20.47	ug/L #	38
23) Benzene	9.67	78	1673996	10.07	ug/L	100
25) 1,2-Dichloroethane	9.98	62	497956	10.59	ug/L	99
26) Methylcyclohexane	10.54	83	600761	10.08	ug/L	97
27) Trichloroethene	10.55	130	380568	10.13	ug/L	98
28) 1,2-Dichloropropane	11.33	63	398170	10.20	ug/L	99
29) Bromodichloromethane	11.43	83	441715	10.73	ug/L	98
30) cis-1,3-Dichloropropene	12.39	75	588293	10.63	ug/L	93
31) Toluene	12.77	92	1000699	10.05	ug/L	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\J7473.D
Acq On : 22 Oct 2008 12:48
Sample : LCS-15252
Misc : LCS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 41
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Quant Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration
DataAcq Meth : J911VOCW

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) 4-Methyl-2-pentanone	13.35	43	466462	19.32 ug/L	95
33) trans-1,3-Dichloropropene	13.41	75	487661	9.95 ug/L	95
34) 1,1,2-Trichloroethane	13.66	83	267428	10.75 ug/L	98
35) 2-Hexanone	14.69	43	285718	16.54 ug/L	97
38) Tetrachloroethene	13.39	166	328877	9.01 ug/L	96
39) Dibromochloromethane	13.97	129	222770	7.97 ug/L	97
40) 1,2-Dibromoethane	14.36	107	254445	9.03 ug/L	97
41) Chlorobenzene	15.21	112	1055200	9.57 ug/L	97
42) Ethylbenzene	15.23	91	1869426	9.50 ug/L	99
43) (m+p)-Xylene	15.48	106	1366403	18.39 ug/L	99
44) o-Xylene	16.22	106	618593	8.63 ug/L	95
45) Styrene	16.30	104	893480	8.96 ug/L	99
46) Bromoform	16.36	173	110728	9.46 ug/L	96
48) Isopropylbenzene	16.74	105	1454561	9.79 ug/L	98
50) 1,1,2,2-Tetrachloroethane	17.59	83	353548	10.78 ug/L	99
51) 1,3-Dichlorobenzene	19.13	146	619525	9.48 ug/L	96
52) 1,4-Dichlorobenzene	19.29	146	599278	9.72 ug/L	97
53) 1,2-Dichlorobenzene	20.07	146	576037	9.57 ug/L	98
54) 1,2-Dibromo-3-chloropropan	21.57	75	35982	8.54 ug/L	94
55) 1,2,4-Trichlorobenzene	22.75	180	202087	7.57 ug/L	95

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

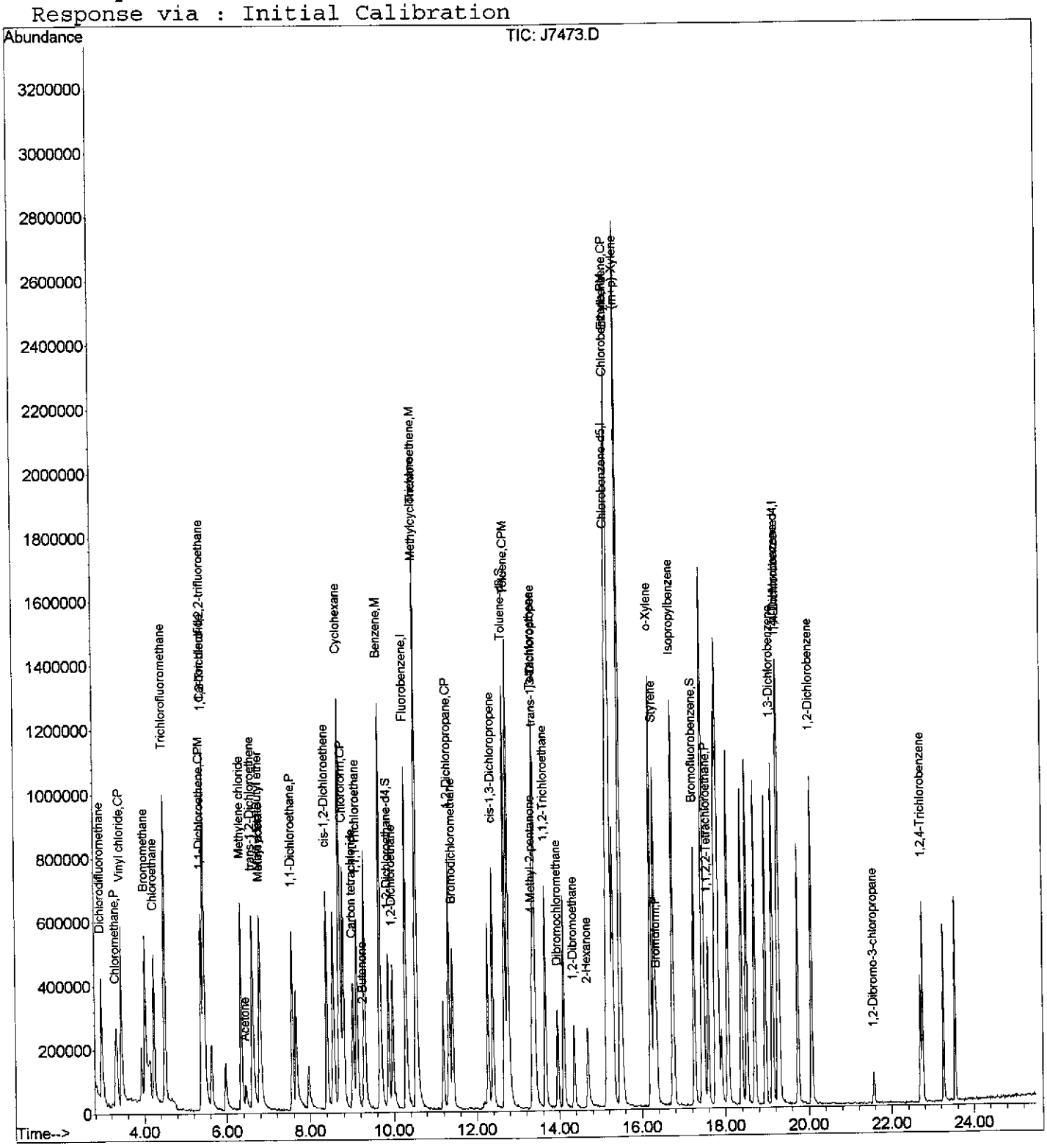
Quantitation Report

Data File : C:\HPCHEM\1\DATA\J7473.D
Acq On : 22 Oct 2008 12:48
Sample : LCS-15252
Misc : LCS ,8260W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 23 9:13 2008

Vial: 41
Operator: JK
Inst : #3MS10
Multiplr: 1.00

Quant Results File: J911NTCL.RES

Method : C:\HPCHEM\1\METHODS\J911NTCL.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Last Update : Thu Oct 23 09:12:31 2008
Response via : Initial Calibration



Laboratory Worksheets

Copy of Calculations

GC/MS WATER SAMPLE CALCULATIONS

1. Relative Response Factors for GC/MS Volatiles and Semivolatiles

$$RRF = \frac{A_x}{A_{is}} \times \frac{C_{is}}{C_x}$$

Where: A_x = Area of the characteristic ion for the compound to be measured
A_{is} = Area of the characteristic ion for the specific internal standard
C_{is} = Concentration of the internal standard (µg/mL)
C_x = Concentration of the compound to be measured (µg/mL).

2. Relative Standard Deviation

$$\% \text{ RSD} = \frac{SD}{\overline{X}} \times 100$$

Where: RSD = Relative Standard Deviation
SD = Standard Deviation of initial relative response factors (per compound)
$\overline{X}$ = Mean of initial relative response factors (per compound)

3. %Deviation for Continuing Calibration (for quantitation from RF only)

$$\% \text{ Deviation}_{(8000B)} = \frac{RRF_c - \overline{RRF_i}}{\overline{RRF_i}} \times 100$$

$$\% \text{ Deviation}_{(software)} = \frac{\overline{RRF_i} - RRF_c}{\overline{RRF_i}} \times 100$$

Where: RRF_c = Relative response factor from continuing calibration standard
$\overline{RRF_i}$ = Mean relative response factor from most recent initial calibration meeting technical acceptance criteria

4. %Drift for Continuing Calibration (for quantitation from Curve)

$$\% \text{ Drift}_{(8000B)} = \frac{C_c - C_i}{C_i} \times 100$$

$$\% \text{ Drift}_{(software)} = \frac{C_i - C_c}{C_i} \times 100$$

Where: C_i = Calibration check std concentration (theoretical)
C_c = Measured concentration

5. RRT Deviation

$$\Delta \text{ RRT} = RRT_s - RRT_c \text{ , } RRT - \frac{RT_t}{RT_i}$$

Where: RRT_s = Relative RT of target compound in sample
RRT_c = RRT of target in continuing calibration standard
RT_t = RT of target compound
RT_i = RT of internal standard

GC/MS WATER SAMPLE CALCULATIONS

6. Final Concentration for GC/MS Volatiles

$$\text{Concentration } (\mu g/L) = \frac{(A_X)(I_{is})Df}{(A_{is})(RRF)(V_o)}$$

Where:
A_X = Area of the characteristic ion for the compound to be measured
A_{is} = Area of the characteristic ion for the specified internal standard
I_{is} = Amount of internal standard added in nanograms
V_o = Volume of water purged (5 to 25 mL)
RRF = Response factor for compound to be measured (average or single point) *
Df = Dilution factor, if applicable

* For compounds calculated using a regression equation for initial calibration, the terms of the equation replace the RRF.

7. Final Concentration for GC/MS Semivolatiles

$$\text{Concentration } (\mu g/L) = \frac{(A_x)(I_{is})(V_T)(Df)(2.0)}{(A_{is})(RRF)(V_o)(V_I)}$$

Where:
RRF, A_x, A_{is}, I_{is} = Same as above
V_o = Volume of water extracted (mL)
V_I = Volume of extract injected (µL)
V_T = Volume of concentrated extract (µL)
Df = Dilution factor
The factor of 2.0 is used to account for the splitting of extracts for the acid and base neutral portions. If only one extraction is performed, this factor is not used.

8. Matrix Spike Recovery for Volatiles and Semivolatiles

$$\text{Recovery } (\%) = \frac{(SSR) - (SR)}{(SA)} \times 100$$

Where:
SSR = Spike sample result
SR = Sample result
SA = Spike added

9. % RPD of Matrix Spike and Matrix Spike Duplicate

$$\%RPD = 100 \times \frac{|S - D|}{((S + D)/2)}$$

Where:
S = First Sample Value (Original)
D = Second Sample Value (Duplicate)

10. The Recovery of Reference Sample (LCS) and Surrogate

$$\text{Recovery } (\%) - \frac{SR}{SA} \times 100$$

Where:
SR = Sample results
SA = Sample spike added

11. The calculation of Library Search compounds (TICs) is similar to target compounds except a RRF of 1.0 is assumed.

Injection Logs

Instrument: MS3/HP5973 (10)
GC Column: Rtx-VMS
0.18 mm x 40 m, 1.0 df
Conc. Trap: VOCARB 3000
Conc. Mtd: WATER
Heated Purge: Y (N)

Volatile GC/MS Injection Log

(Page 1of 2)

	Client No.	Client Name
1		QA/QC
2		
3		ICAL# 1351
4		

	ALS No.	Client No.	Sample ID (Work Order - Samp#)	Method /ID File	Inj. Vol.*	Method Ref.	Target List	Data File Number	Data File Date	Data File Time	Diln. Factor
1		1	TB091108A3	J911VOCW	10mL	8260		J7030	9/11/08	15:05	-
2			ICAL - 0.5ppb				VOC	J7031		15:39	1X
3			- 1.0					J7032		16:13	
4			- 2.0					J7033		16:47	
5			- 10					J7034		17:20	
6			- 20					J7035		17:54	
7			- 30					J7036		18:28	
8			- 40					J7037		19:02	
9			BLANK					J7038		19:36	
10			25RC-14785					J7039		20:09	
11			-					J			
12			-					J			
13			-					J			
14			-					J			
15			-					J			
16			-					J			
17			-					J			
18			-					J			
19			-					J			
20			-					J			
21			-					J			
22			-					J			
23			-					J			
24			-					J			
25			-					J			
26			-					J			
27			-					J			
28			-					J			
29			-					J			

Comments:

Method	Source	Date	SOP = AP #300
(1) 524.2	EPA-500 Series Supp.III, Rev. 4.1	10/95	--01
(2) 624	Fed Register, Vol. 49, No. 209	10/26/84	--03
(3) TCLP	8260B w/ 1311 (AP #100-01)	12/96	--27A/100-01
(4) 8260B	USEPA SW846, Upd. III	12/96	--27A
(5) EPA CLP	USEPA CLP SOW OLM04.3	8/03	--39
(6) DEC ASP	USEPA CLP SOW OLM04.3	8/03	--39

Samples Set By:

* = Volume(mL)/weight(g) of original sample purged (or uL med. extract added to 4mL vial)

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Supervisor Review: 9-16-08

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E.Syracuse NY, 13057

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Log Page No. 1

Volatile GC/MS Injection Log

Internal Std Limits (% of CCV/ICAL Area)

			Upper Limit
			Lower Limit

Pre-run maintenance
___ Replace Septa
___ Replace trap, Lot_____
___ Replace Helium
___ See Maint. log
___ Other:

Internal Standard Area Counts			Matrix								
Int. Std. #1	Int. Std. #2	Int. Std. #3	Water Low	Soil Low	Soil Med	Batch No.	Standard No. @	pH <2	Comments	
—	—	—	—			14785	V8319 9-16-08 23		Y @ 9-16-08	1
1157530	439464	268811	X				V8303,~~16,18,37~~		Y 8.4 µl, 2.1, ~~2.1~~, ~~2.1~~ µl	2
1161604	435984	272298	X				V8303,23		Y 8.4, 4.2 µl	3
1149334	440149	279675	X				V8303,23		Y 8.4 8.4 µl	4
1149413	440234	303083	X				V8303,16,18,37		Y 8.4,4.2,4.2,4.2 µl	5
1175074	468745	308540	X						Y 8.4,8.4,8.4,8.4 µl	6
1178026	463408	306862	X						Y 8.4,12.6,12.6,12.6 µl	7
1170397	459922	312308	X						Y 8.4,16.8,16.8,16.8 µl	8
1131593	430704	257771	X				V8319		OK	9
1134337	434639	295765	X				V8319,20,21,22		Y 8.4,4.2,4.2,4.2 µl	10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27
										28
										29

I.S. #1= Fluorobenzene/Bromochloromethane(CLP)
I.S. #2= Chlorobenzene-d5/1,4-Difluorobenzene(CLP)
I.S. #3= 1,4-Dichlorobenzene-d4/Chlorobenzene-d5(CLP)

Analyzed by: _____

MW
Supervisor Review:

Instrument:	MS3/HP5973 (10)
GC Column:	Rtx-VMS
	0.18 mm x 40 m, 1.0 df
Conc. Trap:	VOCARB 3000
Conc. Mtd:	WATER 10
Heated Purge:	Y (N)

Volatile GC/MS Injection Log

(Page 1of 2)

	Client No.	Client Name
1		QA/QC
2	✓	[redacted]
3	✓	BEARDSLEY
4	✓	[redacted]

	ALS No.	Client No.	Sample ID (Work Order - Samp#)	Method /ID File	Inj. Vol.*	Method Ref.	Target List	Data File Number	Data File Date	Data File Time	Diln. Factor
1		1	TB10220BA3		10ml			J 7469	10/22/08	10:10	—
2		↓	CCV-15251,52,53	J911MTBE, M VOA NTCL	↓	8260	VOC	J ↓		↓	1X
3		2	0810118 - 001A	J911MTBE	5ml			J 7470		11:03	2X
4		↓	↓ - 002A	↓	↓			J 7471		11:37	↓
5		1	MSB-15252 LCS-15251,52,53	J911MTBE, M VOA NTCL	10ml			J 7472		12:14	1X
6			[redacted]					J 7473		12:48	
7			IBLK					J 7474		13:22	
8		↓	MB ↓	↓				J 7475		13:55	
9		2	0810110 - 002A	J911NTCL				J 7476		14:29	
10			- 003A					J 7477		15:03	
11			- 004A					J 7478		15:36	
12			- 005A					J 7479		16:10	
13			- 006A					J 7480		16:44	
14			↓ - 001A					J 7481		17:18	
15			0810110 - 002AMS					J 7482		17:51	
16		↓	↓ - 002AMSD	↓				J 7483		18:25	
17		—	BLANK -	—				J 7484		18:59	
18		4	0810126 - 003A	J911MVOA				J 7485		19:32	
19			- 004A					J 7486		20:06	
20			- 005A					J 7487		20:40	
21			- 006A					J 7488		21:13	
22			- 001A					J 7489		21:47	
23		↓	↓ - 002A	↓	↓	↓	↓	J 7490	↓	22:21	↓
24			-					J			
25			-					J			
26			-					J			
27			-					J			
28			-					J			
29			-					J			

Comments:

Method	Source	Date	SOP = AP #300
(1) 524.2	EPA-500 Series Supp.III, Rev. 4.1	10/95	–01
(2) 624	Fed Register, Vol. 49, No. 209	10/26/84	–03
(3) TCLP	8260B w/ 1311 (AP #100-01)	12/96	–27A/100-01
(4) 8260B	USEPA SW846, Upd. III	12/96	–27A
(5) EPA CLP	USEPA CLP SOW OLM04.3	8/03	–39
(6) DEC ASP	USEPA CLP SOW OLM04.3	8/03	–39

Samples Set By:

* = Volume(mL)/weight(g) of original sample purged (or uL med. extract added to 44mL vial)

Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E.Syracuse NY, 13057

Volatile GC/MS Injection Log

Internal Std Limits (**% of CCV/ICAL Area)**

			Upper Limit
			Lower Limit

Pre-run maintenance
___ Replace Septa
___ Replace trap, Lot_____
___ Replace Helium
___ See Maint. log
___ Other:

Internal Standard Area Counts			Matrix							
Int. Std. #1	Int. Std. #2	Int. Std. #3	Water Low	Soil Low	Soil Med	Batch No.	Standard No.	pH <2	Comments	
—	—	—					V-8335, 36, 37, 39		↓ 8.4ml, 4.2ml, 4.2ml, 4.2ml	1
1517591	659090	389665	X			R15251, 52, 53	↓		↓	2
1418588	574854	271403	X			R15251	V-8319	7	↓ 8.4ml	3
1389914	554456	268727	X			↓	↓	↓	↓	4
1421405	622092	364354	X			R15251, 52, 53	V-8319, 20, 21, 40		↓ 8.4ml, 4.2ml, 4.2ml, 4.2ml	5
1444341	615160	368150	X			↓	↓		↓ ↓	6
1406222	555145	266078	X			↓	V-8319		OK 8.4ml	7
1349636	526610	252654	X			↓	↓		↓	8
1302366	519174	257688	X			R15252	↓	<2	↓	9
1346119	520733	254116	X			↓	↓	↓	↓	10
1316655	531520	253074	X			↓	↓	↓	↓	11
1356514	537752	257614	X			↓	↓	↓	↓	12
1319083	510679	255334	X			↓	↓	↓	↓	13
1341372	538256	264404	X			↓	↓	↓	↓	14
1357344	590803	333138	X			↓	V-8319, 20, 21, 40	↓	↓ 8.4ml, 4.2ml, 4.2ml, 4.2ml	15
1418381	611446	353794	X			↓	↓	↓	↓ ↓	16
1416046	544381	269628	X			—	V-8319		— 8.4ml	17
1394223	530439	258227	X			R15253	↓	<2	↓	18
1349246	527688	258957	X			↓	↓	↓	↓	19
1378920	619239	327337	X			↓	↓	↓	↓	20
1473155	644985	341974	X			↓	↓	↓	↓ R10X	21
1459062	574013	271329	X			↓	↓	↓	↓ R25X	22
1473146	579179	263369	X			↓	↓	↓	↓ R250X	23
										24
										25
										26
										27
										28
										29

I.S. #1= Fluorobenzene/Bromochloromethane(CLP)
I.S. #2= Chlorobenzene-d5/1,4-Difluorobenzene(CLP)
I.S. #3= 1,4-Dichlorobenzene-d4/Chlorobenzene-d5(CLP)

Analyzed by: _____

Supervisor Review: _____

Standards Logs

Volatile GC/MS Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No.	Parent/Source Conc.(ppm)	Parent/Source Exp.Date	Prep'd By
V-8173	4/18/08	5/18/08	8260 MISC REF	—	—	—	—				—
			VINYL ACETATE - REF	19.6ml	MeOH CU319	2ml	100	V-8085	10,200	7/23/08	JK
			2-CLVE - REF	90.5ul			500	V-8086	11,020		
			CS2 - REF	19.9ml			100	V-8087	10,070		
			ACRYLONITRILE - REF	92.2ul			500	V-8088	10,840		
			ACROLEIN - REF	92.0ml			↓	V-8089	10,870	↓	
			GASES - REF	200ml	↓	↓	100	V-8142	10000	5/24/08	↓
V-8174	4/22/08	10/22/08	1,4-DIOXANE - CAL	51.3592 - 51.2576	MeOH CU319	10ml	10,160	SEMI VOL. 1686	99.5%	8/10	JK
~~V-8175~~	~~4/22/08~~	~~10/22/08~~	~~1,4-DIOXANE - R~~	0.1016							
V-8175	4/22/08	10/22/08	1,4-DIOXANE	51.2474 - 51.1472	MeOH CU319	10ml	10,000	SEMI VOL. 1686	99.5%	8/10	JK
				0.1002							
V-8176	4/22/08	6/22/08	1,4-DIOXANE - CAL	~~0.1197~~ 197ml	MeOH CU319	2ml	1000	V-8174	10,160	10/22/08	JK
V-8177	4/22/08	6/22/08	1,4-DIOXANE - REF	200ml	MeOH CU319	2ml	1000	V-8175	10,020	10/22/08	JK
V-8178	4/25/08	8/25/08	8260-IS	CRACKED	MeOH	1.2ml	2000	V-8128	2000	12/15/10	JK
V-8179	4/25/08	6/25/08	8260-IS/SURR	—	—	—	—		—		—
↓	↓	↓	8260-IS	50ul	MeOH CU319	2ml	50	V-8178	2000	8/25/08	JK
			8260-SURR	50ul	↓	↓	↓	V-8169	2000	8/18/08	↓
V-8180	4/28/08	8/28/08	524/8260 MM-CAL	CRACKED	MeOH	1.2ml	2000	V-7947	2000	5/26/09	JK
V-8182	4/28/08	7/23/08	STOCK 1-CAL	—	—	—	—		—		—
			METHYL IODIDE - CAL	347.9ml	MeOH CU319	2ml	2000	V-8060	11,630	7/23/08	JK
			T-1,4-DC-2B-CAL	375.9ml				V-8061	10,640		
			MTBE - CAL	399.8ml				V-8062	10,005		
↓	↓	↓	1-CHLOROHEXANE - CAL	396.0ml	↓	↓	↓	V-8063	10,100	↓	↓

Volatile GC/MS Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No.	Conc.(ppm)	Exp.Date	Prep'd By
V-8183	4/28/08	7/23/08	Stock 2 - Calc	—	—	—	—	—	—		—
			Methylcyclohexane - Calc	397.2ul	MeOH CU319	2ml	2000	V-8070	10,070	7/23/08	JK
			Methyl Acetate - Calc	396.0ul				V-8071	10,100		
			Cyclohexane - Calc	388.3ul				V-8072	10,300		
			1,1,2-TCTFE - Calc	353.4ul				V-8073	11,320		
V-8184	4/28/08	7/28/08	Ketones - Calc	Cracked	MeOH	1.2ml	2000	V-7856	2000	2/2/09	JK
V-8185	4/28/08	6/28/08	8260 - IS	50ul	MeOH CU319	2ml	50	V-8178	2000	8/25/08	JK
V-8186	4/28/08	6/28/08	8260 Calc w/o Ketones	—	—	—	—	—	—		—
			Stock 1 - Calc	100ul	MeOH CU319	2ml	100	V-8182	2000	7/23/08	JK
			Stock 2 - Calc					V-8183			
			524/8260 MM - Calc					V-8180		8/28/08	
			Surr					V-8169		8/18/08	
V-8187	4/28/08	6/28/08	8260 Ketones - Calc	200ul	MeOH CU319	2ml	200	V-8184	2000	7/28/08	JK
V-8188	4/28/08	5/28/08	8260 Misc Calc	—	—	—	—	—	—		—
			Vinyl Acetate - Calc	19.7ul	MeOH CU319	2ml	100	V-8080	10,160	7/23/08	JK
			2-Chloe - Calc	91.0ul			500	V-8081	10,980		
			CS2 - Calc	19.5ul			100	V-8082	10,240		
			Acrylonitrile - Calc	90.2ul			500	V-8083	11,080		
			Acrolein - Calc	96.2ul				V-8084	10,390		
			Gases - Calc	200ul			100	V-8167	2000	6/18/08	
V-8189	4/28/08	8/28/08	524/8260 MM - Ref	Cracked	MeOH	1.2ml	2000	V-7857	2000	5/26/09	JK
V-8190	4/28/08	7/28/08	Ketones - Ref	Cracked	MeOH	1.2ml	2000	V-7948	2000	2/2/09	JK
V-8191	4/28/08	7/23/08	Stock 1 - Ref	—	—	—	—	—	—		—
			Methyl Iodide - Ref	340.4ul	MeOH CU319	2ml	2000	V-8065	11,750	7/23/08	JK
			t-1,4-DC-2B - Ref	389.5ul				V-8066	10,270		
			MTBE - Ref	342.2ul				V-8067	11,690		
			1-Chlorohexane - Ref	391.4ul				V-8068	10,220		

Volatile GC/MS Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No. Conc.(ppm) Exp.Date	Prep'd By
V-8192	4/28/08	7/23/08	Stock 2 - Ref	—	—	—	—	~~4/28/08~~	—
↓	↓	↓	Methyl Cyclohexane - Ref	392.6ul	MeOH CU319	2ml	2000	V-8085 ~~11,750~~ 10,060 7/23/08	JK
			Methyl Acetate - Ref	400.0ul	↓	↓	↓	V-8086 ~~10,270~~ 10,000	↓
			Cyclohexane - Ref	388.7ul				V-8087 ~~4,640~~ 10,290	
↓	↓	↓	1,1,2-TCTFE - Ref	366.3ul	↓	↓	↓	V-8088 10,920 ↓	↓
V-8193	4/28/08	6/28/08	Gases - Ref	Cracker	MeOH	1.2ml	1000	V-7945 1000 8/18/08	JK
V-8194	4/28/08	6/28/08	8260 - IS/Surr	—	—	—	—	—	
↓ A,B,C	↓	↓	8260 - IS	50µl	MeOH CU319	2ml	50	V-8178 2000 ppm 8/25/08	
~~V-8195~~	~~4/28/08~~	~~6/28/08~~	8260 ~~Ref~~ w/o Ketones ~~Ref~~	50µl	↓	↓	↓	V-8169 2000 8/18/08	
↓	↓	↓	Stock 1 - Ref						
			Stock 2 - Ref						
V-8196	4/28/08	6/28/08	8260 Ketones - Ref						
V-8197	4/28/08	5/28/08	8260 Mesc - Ref						
V-8198	4/29/08	9/25/08	TCLP Extraction Sol'n	—	←	—	—	—	
↓	↓	↓	1N NaOH	140 ml	DI H_2O	2 x 2L	pH 4.98	V-7938 1N 9/25/08	
			Acetic Acid, glacial	11.4ml	↓	↓	↓	V-8109 2/6/11	↓
V-8199	5/8/08	9/8/08	8260 - IS/Surr MS#3 Soil	—	—	—	—	—	—
↓	↓	↓	8260 - IS	588ul	MeOH CU319	20ml	58.8	V-8178 2000 8/25/08	JK
			8260 - Surr	588ul	↓	↓	58.8	V-8169 2000 8/18/08	↓
V-8200	5/9/08								
								AK 5/9/08.	

Supervisor review _____

Page No. _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8195	4/28/08	6/28/08	8260 REF w/o KETONES	—	—	—	—		—		—
↓	↓	↓	STOCK 1 - REF	100 ul	MeOH CU319	2ml	100	V-8191	2000	7/23/08	JK
			STOCK 2 - REF	↓	↓	↓	↓	V-8192	2000	↓	↓
↓	↓	↓	524/8260 MM - REF	↓	↓	↓	↓	V-8189	2000	8/28/08	↓
V-8196	4/28/08	6/28/08	8260 KETONES - REF	200ul	MeOH CU319	2ml	200	V-8190	2000	7/28/08	JK
V-8197	4/28/08	5/28/08	8260 MISC - REF	—	—	—	—		—		—
↓	↓	↓	VINYL ACETATE - REF	19.6ul	MeOH CU319	2ml	100	V-8085	10,200	7/23/08	JK
			2-CEVE - REF	90.5ul	↓	↓	500	V-8086	11,020	↓	↓
			CS_2 - REF	19.9ul			100	V-8087	10,070		
			ACRYLONITRILE - REF	92.2ul			500	V-8088	10,840		
			ACROLEIN - REF	92.0ul			↓	V-8089	10,870	↓	
↓	↓	↓	GASES - REF	200ul	↓	↓	100	V-8193	1000	6/28/08	↓
V-8198	4/29/08	9/25/08	TCLP EXTRACTION SOLN	—	—	—	—		—		—
↓	↓	↓	1N NaOH	2 x 140ml	DI H_2O	2 x 2L	pH = 4.98	V-7938	1N	9/25/08	GS
↓	↓	↓	ACETIC ACID, GLACIAL	2 x 11.4ml	↓	↓	↓	V-8109		2/6/11	↓
V-8199	5/8/08	9/8/08	8260 - IS/SURR MS3 SOLN	—	—	—	—		—		—
↓	↓	↓	8260 - IS	588ul	MeOH CU319	20ml	58.8	V-8178	2000	8/25/08	JK
↓	↓	↓	8260 - SURR	588ul	↓	↓	58.8	V-8169	2000	8/18/08	↓
V-8200	5/9/08	7/9/08	8260 - KETONES REF	200ul	MeOH CU319	2ml	200	V-8190	2000	7/28/08	JK
V-8201	5/13/08	7/13/08	8260 KETONES - CAL	200ul	MeOH CU319	2ml	200	V-8184	2000	7/28/08	JK
V-8202	5/13/08	8/13/08	8260 KETONES - CAL	CRACKED	MeOH	1.2ml	2000	V-7916	2000	2/2/09	JK
V-8203	5/13/08	7/13/08	8260 KETONES - CAL	200ul	MeOH CU319	2ml	200	V-8202	2000	8/13/08	JK

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ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8204	5/13/08	7/13/08	8260-Ketones Ref	Concrete	MeOH	1.2ml	2000	V-8130	2000	12/15/09	JK
V-8205	5/13/08	7/13/08	8260 Ketones-Ref	200ul	MeOH CU319	2ml	200	V-8204	2000	8/13/08	JK
V-8206	5/15/08	12/15/10	8260 - IS	3x1.2ml	MeOH	3x1.2ml	2000	ECS Lot# V15B06	2000	12/15/10	JK
V-8207	5/15/08	2/2/10	8260-Surr	3x1.2ml	MeOH	3x1.2ml	2000	ECS Lot# V05B26	2000	2/2/10	JK
V-8208	5/15/08	9/30/10	8260-Gases-Ref	3x1.2ml	MeOH	3x1.2ml	1000	ECS Lot# VGM819	1000	9/30/10	JK
V-8209	5/19/08	7/19/08	8260-IS	50µl	MeOH CU319	2ml	50	V-8178	2000	8/25/08	YS
V-8210	5/19/08	6/18/08	MISC-CAL	—	—	—	—	—	—	—	—
			Vinyl Acetate-Cal	19.7µl	MeOH CU319	2ml	100	V-8080	10,160	7/23/08	YS
			2-CEVE-Cal	91.0µl			500	V-8081	10,980		
			CS_2-Cal	19.5µl			100	V-8082	10,240		
			Acrylonitrile-Cal	90.2µl			500	V-8083	11,080		
			Acrolein-Cal	96.2µl			↓	V-8084	10,390		
		7	Gases-Cal	200µl			100	V-8167	1000	6/18/08	↓
V8211	5-19-08	5-19-08	8260 Internal Std	50µl	MeOH CU319	2.0mL	50 ppm	V8138	2000	7/29/08	JW
↓	↓ 5-19-08	↓	8260 Surrogate Std	50µl	↓	↓	50 ppm	V8169	2000	8/18/08	
V-8212	5/19/08	9/25/08	TCLP Ext'n Sol'n	—	—	—	—	—	—	—	—
			1N NaOH	2x140ml	DI H_2O	2x2L	pH 4.94	V-7938	1N	9/25/08	YS
			Acetic Acid, glacial	2x11.4ml	↓	↓	↓	V-8109		2/6/11	↓
V-8213	5/19/08	5/19/09	1N NaOH	80g	DI H_2O	2L	1N	Mallinckrodt	7708x26587		YS
V-8214	5/20/08	7/20/08	Ketones-Cal	200µl	MeOH CU319	2ml	200	V-8202	2000	8/13/08	YS
								YS 5/20/08			

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GC/MS ~~SEMI~~VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8215	5/20/08	7/20/08	8260 Cal w/o Ketones	—	—	—	—		—		—
			Stock1-Cal	100µl	MeOH CU319	2 ml	100	V-8182	2000	7/23/08	YS
			Stock2-Cal					V-8183		↓	
			524/8260 MM-Cal					V-8180		8/28/08	
			Surr					V-8169		8/18/08	
V-8216	5/20/08	6/20/08	Misc-Ref	—	—	—	—		—		—
			Vinyl Acetate-Ref	19.6µl	MeOH CU319	2 ml	100	V-8085	10,200	7/23/08	YS
			2-CEVE-Ref	90.5µl			500	V-8086	11,020		
			CS_2-Ref	19.9µl			100	V-8087	10,070		
			Acrylonitrile-Ref	92.2µl			500	V-8088	10,840		
			Acrolein-Ref	92.0µl			↓	V-8089	10,870		
			Gases-Ref	200µl			100	V-8193	1000	6/28/08	
V-8217	5/20/08	7/20/08	Ketones-Ref	200µl	MeOH CU319	2 ml	200	V-8204	20000	8/13/08	YS
			~~Stock1-Ref~~								→
			Stock2-Ref		YS 5/20/08						
			524/8260 MM-Ref								
V-8218	5/20/08	7/20/08	8260 Ref w/o Ketones	—	—	—	—		—		—
			Stock1-Ref	100µl	MeOH CU319	2 ml	100	V-8191	2000	7/23/08	YS
			Stock2-Ref					V-8192		↓	
			524/8260 MM-Ref					V-8189		8/28/08	
V-8219	5/21/08	9/21/08	BFB Soln	Checked	MeOH	1.2ml	2000	V-7854	2000	5/31/10	JK
V-8220	5/21/08	7/21/08	BFB	150ml	MEOH CU319	2ml	150	V-8219	2000	9/21/08	JK

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V8221	5-30-08	9-30-08	8260 Surrogate Std.	cracked	MeOH	1,2mL	2000	V8057	2000	2/2/10	MV
V8222	5-30-08	9-30-08	8260 Internal Std.	250µl	MeOH	10mL	50ppm	V8178	2000	8/25/08	MV
↓	↓	↓	8260 Surrogate Std.	250µl	lot CV319	↓	50ppm	V8221	↓	9/30/08	↓
V8223	6/3/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—		—		—
	↓	↓	1N NaOH	140ml	DI H2O	2L	pH 5.01	V-8213	1N	5/19/09	YD
↓	↓	↓	Acetic Acid, glacial	11.4ml	↓	↓	↓	V-8109		2/6/11	↓
V-8224	6/4/08	11/11/10	524/8260 MM - Cal	3x1.2ml	MeOH	3x1.2ml	2000	ECS Lot #524MM18		11/11/10	JK
V-8225	6/4/08	3/09	Acrolein	1g	Neat	1g	Neat	Chem Service Lot #396-142A 96.1%			JK
V-8226	6/12/08	10/12/08	8260 - IS	Cracked	MeOH	1.2ml	2000	V-8128	2000	12/15/10	JK
V-8227	6/12/08	8/12/08	Gases - Cal	Cracked	MeOH	1.2ml	1000	V-8110	1000	9/10	JK
V-8228	6/12/08	8/12/08	8260 - IS	50µl	MeOH/CV319	2ml	50	V-8226	2000	10/12/08	JK
V-8229	6/12/08	7/23/08	8260 Cal w/o Ketones	—	—	—	—		—		—
			Stock 1 - Cal	100µl	MeOH/CV319	2ml	100	V-8182	2000	7/23/08	JK
			Stock 2 - Cal	↓	↓	↓	↓	V-8183	2000	↓	↓
			524/8260 MM - Cal					V-8180	2000	8/28/08	
↓	↓	↓	Surr	↓	↓	↓	↓	V-8221	2000	9/30/08	↓
V-8230	6/12/08	8/12/08	8260 Cal Ketones	200µl	MeOH/CV319	2ml	200	V-8202	2000	8/13/08	JK

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8231	6/12/08	7/12/08	8260 MISC - CAL	—	—	—	—		—		—
			VINYL ACETATE	19.7ul	MeOH/CV319	2ml	100	V-8080	10,160	7/23/08	JK
			2-CEVE - CAL	91.0ul			500	V-8081	10,980		
			CS_2 - CAL	19.5ul			100	V-8082	10,240		
			ACRYLONITRILE - CAL	90.2ul			500	V-8083	11,080		
			ACROLEIN - CAL	96.2ul			↓	V-8084	10,390	↓	
↓	↓	↓	GASES - CAL	200ul	↓	↓	100	V-8227	1000	8/12/08	↓
V-8232	6/12/08	8/12/08	GASES - REF	CRACKER	MeOH	1.2ml	1000	V-8208	1000	9/30/10	JK
V-8233	6/12/08	8/12/08	8260 - IS/SURR	—	—	—	—		—		—
↓ A,B,C,D	↓	↓	8260 - IS	50ul	MeOH/CV319	2ml	50	V-8226	2000	10/12/08	JK
↓	↓	↓	8260 - SURR	↓	↓	↓	↓	V-8221	2000	9/30/08	↓
V-8234	6/12/08	7/23/08	8260 REF W/O KETONES	—	—	—	—		—		—
			STOCK 1 - REF	100ul	MeOH/CV319	2ml	100	V-8191	2000	7/23/08	JK
			STOCK 2 - REF					V-8192			
↓	↓	↓	524/8260 MM - REF	↓	↓	↓	↓	V-8189	↓	↓	↓
V-8235	6/12/08	8/12/08	8260 KETONES - REF	200ul	MeOH/CV319	2ml	200	V-8204	2000	8/28/08	JK

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ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8236	6/12/08	7/12/08	8260 MISC - REF	—	—	—	—		—		—
↓	↓	↓	VINYL ACETATE - REF	19.6ul	MeOH/CV319	2ml	100	V-8085	10,200	7/23/08	JK
			2-CEVE - REF	90.5ul	↓	↓	500	V-8086	11,020	↓	↓
			CS_2 - REF	19.9ul			100	V-8087	10,070		
			ACRYLONITRILE - REF	92.2ul			500	V-8088	10,840		
			ACROLEIN - REF	92.0ul			↓	V-8089	10,870	↓	
↓	↓	↓	GASES - REF	200ul	↓	↓	100	V-8232	1000	8/12/08	↓
V8237	6-13-08	~~10-13-08~~ 9-30-08 (2nd)	8260 Internal Std ⟩ MS1	570µl	MeOH/	25mL	45.5	V8226	2000	10-12-08	MV
↓	↓		8260 Surrogate Std. ⟩ AgTech	570µl	CV319	↓	45.5	V8221	2000	9-30-08	↓
V-8238	7/8/08	10/13/08	IS/SURR for MS2 (STD#1)	—	—	—	—				YS
↓	↓	↓	8260-IS	580µl	MeOH CV200	20ml	58	V-8226	2000	10/13/08	↓
↓	↓	↓	8260-SURR	580µl	↓	↓	↓	V-8239	2000	11/8/08	↓
V-8239	7/8/08	11/8/08	8260 Surrogate	Cracked	MeOH	1.2ml	2000	V-8207	2000	2/2/2010	YS
V-8240	7/14/08	1/14/09	METHYL IODIDE - CAL	49.9015 − 49.7178 = 0.1837	MeOH CV200	10ml	18,370	V-8056	99.5%	7/10	JK
V-8241	7/14/08	1/14/09	t-1,4-DC-2B - CAL	48.9564 − 48.8558 = 0.1006	MeOH CV200	10ml	10,060	V-7679	99.1%	5/09	JK
V-8242	7/14/08	1/14/09	MTBE - CAL	51.1549 − 51.0516 = 0.1033	MeOH CV200	10ml	10,330	V-8055	99.5%	7/10	JK
V-8243	7/14/08	1/14/09	1-CHLOROHEXANE - CAL	49.9225 − 49.8152 = 0.1073	MeOH CV200	10ml	10,730	V-7231	98%	9/11	JK

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V-8244	7/14/08	11/14/08	STOCK 1 - CAL	—	—	—	—				—
			METHYL IODIDE	217.7ul	MEOH/CV200	2ml	2000	V-8240	18,370	1/14/09	JK
			t-1,4-DC-2B	397.6ul				V-8241	10,060		
			MTBE	387.2ul				V-8242	10,330		
			1-CHLOROHEXANE	372.8ul				V-8243	10,730		
V-8245	7/14/08	1/14/09	METHYL CYCLOHEXANE - CAL	50.3611 - 50.2596	MEOH/CV200	10ml	10,150	V-7300	99.5%	2/10	JK
				0.1015							
V-8246	7/14/08	1/14/09	METHYL ACETATE - CAL	50.6380 - 50.5334	MEOH/CV200	10ml	10,460	V-7747	99.5%	7/11	JK
				0.1046							
V-8247	7/14/08	1/14/09	CYCLOHEXANE - CAL	49.6284 - 49.5244	MEOH/CV200	10ml	10,400	V-7563	99.5%	4/12	JK
				0.1040							
V-8248	7/14/08	1/14/09	1,1,2-TCTFE - CAL	51.2926 - 51.1814	MEOH/CV200	10ml	11,120	V-7744	99.5%	11/12	JK
				0.1112							
V-8249	7/14/08	11/14/08	STOCK 2 - CAL	—	—	—	—				—
			METHYL CYCLOHEXANE	394.1ul	MEOH/CV200	2ml	2000	V-8245	10,150	11/14/09	JK
			METHYL ACETATE	382.4ul				V-8246	10,460		
			CYCLOHEXANE	384.6ul				V-8247	10,400		
			1,1,2-TCTFE	359.7ul				V-8248	11,120		
V-8250	7/14/08	1/14/09	METHYL IODIDE - REF	50.7530 - 50.6549	MEOH/CV200	10ml	9,810	V-8056	99.5%	7/10	JK
				0.0981							
V-8251	7/14/08	1/14/09	t-1,4-DC-2B - REF	51.6831 - 51.5805	MEOH/CV200	10ml	10,260	V-7679	99.1%	5/09	JK
				0.1026							

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V-8251	7/14/08	1/14/09	MTBE - REF	52.7720 - 52.6718	MeOH/CV200	10ml	10,020	V-8055	99.5%	7/10	JK
				0.1002							
V-8253	7/14/08	1/14/09	1-CHLOROHEXANE - REF	51.6942 - 51.5796	MeOH/CV200	10ml	11,460	V-7231	98%	9/11	JK
				0.1146							
V-8254	7/14/08	11/14/08	STOCK 1 - REF	—	—	—	—				—
↓	↓	↓	METHYL IODIDE	407.7ul	MeOH/CV200	2ml	2000	V-8250	9,810	1/14/09	JK
			T-1,4-DC-2B	389.9ul	↓	↓	↓	V-8251	10,260	↓	↓
			MTBE	399.2ul				V-8252	10,020		
↓	↓	↓	1-CHLOROHEXANE	349.0ul	↓	↓	↓	V-8253	11,460	↓	↓
V-8255	7/14/08	1/14/09	METHYL CYCLOHEXANE - REF	52.9782 - 52.8762	MeOH/CV200	10ml	10,200	V-7300	99.5%	2/10	JK
				0.1020							
V-8256	7/14/08	1/14/09	METHYL ACETATE - REF	52.0459 - 51.9468	MeOH/CV200	10ml	9,910	V-7747	99.5%	7/11	JK
				0.0991							
V-8257	7/14/08	1/14/09	CYCLOHEXANE - REF	50.2587 - 50.1514	MeOH/CV200	10ml	10,730	V-7563	99.5%	4/12	JK
				0.1073							
V-8258	7/14/08	1/14/09	1,1,2-TCTFE - REF	53.1476 - 53.0405	MeOH/CV200	10ml	10,710	V-7744	99.5%	11/21	JK
V-8259	7/14/08	11/14/08	STOCK 2 - REF	0.1071	—	—	—				—
↓	↓	↓	METHYL CYCLOHEXANE	392.2ul	MeOH/CV200	2ml	2000	V-8255	10,200	1/14/09	JK
			METHYL ACETATE	403.6ul	↓	↓	↓	V-8256	9,910	↓	↓
			CYCLOHEXANE	372.8ul				V-8257	10,730		
↓	↓	↓	1,1,2-TCTFE	373.5ul	↓	↓	↓	V-8258	10,710	↓	↓

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V-8260	7/14/08	1/14/09	VINYL ACETATE - CAL	51.7326 - 51.6223	MeOH/CV200	10ml	11,030	V-6564	99.5%	9/08	JK
				0.1103							
V-8261	7/14/08	1/14/09	2-CEVE - CAL	51.5635 - 51.4551	MeOH/CV200	10ml	10,840	V-7858	98.2%	9/10	JK
				0.1084							
V-8262	7/14/08	1/14/09	CS_2 - CAL	51.1350 - 51.0128	MeOH/CV200	10ml	12,220	V-7299	99.5%	10/08	JK
				0.1222			~~10,030~~ 10,030 ~~10,038~~				
V-8263	7/14/08	1/14/09	ACRYLONITRILE - CAL	52.3269 - 52.2264	MeOH/CV200	10ml		V-7746	99.5%	10/10	JK
				0.1003							
V-8264	7/14/08	1/14/09	ACROLEIN - CAL	51.8872 - 51.7881	MeOH/CV200	10ml	9,910	V-8225	96.1%	3/09	JK
				0.0991							
V-8265	7/14/08	1/14/09	VINYL ACETATE - REF	50.7683 - 50.6694	MeOH/CV200	10ml	9,890	V-6564	99.5%	9/08	JK
				0.0989							
V-8266	7/14/08	1/14/09	2-CEVE - REF	51.4446 - 51.3419	MeOH/CV200	10ml	10,270	V-7858	98.2%	9/10	JK
				0.1027							
V-8267	7/14/08	1/14/09	CS_2 - REF	51.9040 - 51.7865	MeOH/CV200	10ml	11,750	V-7299	99.5%	10/08	JK
				0.1175							
V-8268	7/14/08	1/14/09	ACRYLONITRILE - REF	51.9660 - 51.8627	MeOH/CV200	10ml	10,330	V-7746	99.5%	10/10	JK
				0.1033							
V-8269	7/14/08	1/14/09	ACROLEIN - REF	51.7318 - 51.6232	MeOH/CV200	10ml	10,860	V-8225	96.1%	3/09	JK
				0.1086							
V-8270	7/14/08	11/14/08	8260 - IS	CRACKED	MeOH	1.2ml	2000	V-8206	2000	12/15/10	JK
V-8271	7/14/08	11/14/08	8260 - SURR	CRACKED	MeOH	1.2ml	2000	V-8207	2000	2/2/10	JK

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V-8272	7/14/08	11/14/08	524/8260 MM - CAL	CRACKED	MEOH	1.2ml	2000	V-7947	2000	5/26/09	JK
V-8273	7/14/08	10/14/08	KETONES - CAL	CRACKED	MEOH	1.2ml	2000	V-7916	2000	2/2/09	JK
V-8274	7/14/08	9/14/08	GASES - CAL	CRACKED	MEOH	1.2ml	2000	V-8157	1000	9/10	JK
V-8275	7/14/08	9/14/08	8260 - IS	50ul	MEOH/CV200	2ml	50	V-8270	2000	11/14/08	JK
V-8276	7/14/08	9/14/08	8260 CAL W/O KETONES	—	—	—	—	—	—	—	—
			STOCK 1 - CAL	100ul	MEOH/CV200	2ml	100	V-8244	2000	11/14/08	JK
			STOCK 2 - CAL					V-8249			
			524/8260 MM - CAL					V-8272			
			SURR - CAL					V-8271			
V-8277	7/14/08	9/14/08	KETONES - CAL	200ul	MEOH/CV200	2ml	200	V-8273	2000	10/14/08	JK
V-8278	7/14/08	8/14/08	8260 MISC - CAL	—	—	—	—	—	—	—	—
			VINYL ACETATE - CAL	18.1ul	MEOH/CV200	2ml	100	V-8260	11,030	1/14/09	JK
			2-CHLOROETHYLVINYL ETHER - CAL	92.2ul			500	V-8261	10,840		
			CS_2 - CAL	16.4ul			100	V-8262	12,220		
			ACRYLONITRILE - CAL	99.7ul			500	V-8263	10,030		
			ACROLEIN - CAL	100.9ul				V-8264	9,910		
			GASES - CAL	200ul			100	V-8274	1000	9/14/08	
V-8279	7/15/08	11/15/08	524/8260 MM - REF	CRACKED	MEOH	1.2ml	2000	V-8005	2000	5/26/09	JK
V-8280	7/15/08	10/15/08	KETONES - REF	CRACKED	MEOH	1.2ml	2000	V-8130	2000	12/15/09	JK
V-8281	7/15/08	9/15/08	GASES - REF	CRACKED	MEOH	1.2ml	1000	V-8208	1000	9/30/10	JK

Supervisor Review: _____

GC/MS ~~SEMI~~VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8281	7/15/08	9/15/08	8260 - IS/SURR	—	—	—	—				—
↓ A,B,C,D	↓	↓	8260 - IS	50ul	MeOH/CV200	2ml	50	V-8270	2000	11/14/08	JK
↓	↓	↓	8260 - SURR	50ul	↓	↓	↓	V-8271	2000	↓	↓
V-8282	7/15/08	9/15/08	8260 REF w/o KETONES	—	—	—	—				—
↓	↓	↓	STOCK 1 - REF	100ul	MeOH/CV200	2ml	100	V-8254	2000	11/14/08	JK
			STOCK 2 - REF	↓	↓	↓	↓	V-8259	↓	↓	↓
↓	↓	↓	524/8260 MM - REF	↓	↓	↓	↓	V-8279	↓	11/15/08	
V-8283	7/15/08	9/15/08	8260 KETONES - REF	200ul	MeOH/CV200	2ml	200	V-8280	2000	10/15/08	JK
V-8284	7/15/08	8/15/08	8260 MISC - REF	—	—	—	—				—
↓	↓	↓	VINYL ACETATE - REF	20.2ul	MeOH/CV200	2ml	100	V-8285	9890	11/14/09	JK
			2-CLVE - REF	27.4ul	↓	↓	500	V-8266	10,270	↓	↓
			CS2 - REF	17.2ul			100	V-8267	11,750		
			ACRYLONITRILE - REF	96.8ul			500	V-8268	10,330		
			ACROLEIN - REF	92.1ul			↓	V-8269	10,860	↓	
↓	↓	↓	GASES - REF	200ul	↓	↓	100	V-8281	1000	9/15/08	↓
V-8285	7/15/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—				
			1N NaOH	140ml	DI H_2O	2L	pH 4.96	V-8213	1N	5/19/09	
↓	↓	↓	Acetic Acid, Glacial	11.4ml	↓	↓	↓	V-8109		2/6/11	↓
V-8286	8/4/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—				
			1N NaOH	140ml	DI H_2O	2L	pH 4.99	V-8213	1N	5/19/09	
			Acetic Acid, Glacial	11.4ml	↓	↓	↓	V-8109		2/6/11	↓

8-14-08

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GC/MS ~~SEMI~~VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc.(ppm)	Parent / Source Exp Date	Prep'd By
V8287	8-13-08	12-13-08	8260 IS/Surr Solatek MS3	—	—	—	—	—	—	—	MW
↓	↓	↓	8260 Internal Std.	735 µl	MeOH/ CV200	25 mL	58.8 ppm	V8270	2006 ppm	11-14-08	↓
↓	↓	↓	8260 Surrogate Std.	735 µl	↓	↓	58.8 ppm	V8271	2000 ppm	11-14-08	↓
V-8288	8/18/08	10/18/08	8260 - IS	50 µl	MEOH/CV200	2 ml	50	V-8270	2000	11/14/08	JK
V-8289	8/18/08	10/18/08	8260 CAL w/o KETONES	—	—	—	—				—
↓	↓	↓	STOCK 1 - CAL	100 µl	MEOH/CV200	2 ml	100	V-8244	2000	11/14/08	JK
			STOCK 2 - CAL	↓	↓	↓	↓	V-8249	↓	↓	↓
			524/8260 MM - CAL					V-8272			
↓	↓	↓	8260 SURR	↓	↓	↓	↓	V-8271	↓	↓	↓
V-8290	8/18/08	10/14/08	KETONES - CAL	200 µl	MEOH/CV200	2 ml	200	V-8273	2000	10/14/08	JK
V-8291	8/18/08	9/14/08	8260 MISC - CAL	—	—	—	—				—
↓	↓	↓	VINYL ACETATE - CAL	18.1 µl	MEOH/CV200	2 ml	100	V-8260	11,030	1/14/09	JK
			2-CEVE - CAL	92.2 µl	↓	↓	500	V-8261	10,840	↓	↓
			CS_2 - CAL	16.4 µl			100	V-8262	12,220		
			ACRYLONITRILE - CAL	99.7 µl			500	V-8263	10,030		
			ACROLEIN - CAL	100.9 µl			↓	V-8264	9,910	↓	
↓	↓	↓	GASES - CAL	200 µl	↓	↓	100	V-8274	1000	9/14/08	↓
V-8292	8/18/08	10/18/08	8260 - IS/SURR	—	—	—	—				—
A,B,C ↓	↓	↓	8260 - IS	50 µl	MEOH/CV200	2 ml	50	V-8270	2000	11/14/08	JK
↓	↓	↓	8260 - SURR	50 µl	↓	↓	↓	V-8271	2000	↓	↓
											JK
											8/19/08

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8293	8/18/08	10/18/08	8260 REF w/o KETONES	—	—	—	—				—
↓	↓	↓	STOCK 1 - REF	100ul	MeOH/CV200	2ml	100	V-8254	2000	11/14/08	JK
			STOCK 2 - REF	↓	↓	↓	↓	V-8259	↓	↓	↓
↓	↓	↓	524/8260 MM - REF	↓	↓	↓	↓	V-8279	↓	11/15/08	↓
V-8294	8/18/08	10/15/08	8260 KETONES - REF	200ul	MeOH/CV200	2ml	200	V-8280	2000	10/15/08	JK
V-8295	8/18/08	9/15/08	8260 MISC REF	—	—	—	—				—
↓	↓	↓	VINYL ACETATE - REF	20.2ul	MeOH/CV200	2ml	100	V-8265	9,890	1/14/09	JK
			2-CEVE - REF	97.4ul	↓	↓	500	V-8266	10,270	↓	↓
			CS2 - REF	17.2ul			100	V-8267	11,750		
			ACRYLONITRILE - REF	96.8ul			500	V-8268	10,330		
			ACROLEIN - REF	92.1ul			↓	V-8269	10,860	↓	
↓	↓	↓	GASES - REF	200ul	↓	↓	100	V-8281	1000	9/15/08	↓
V-8296	8/18/08	2/2/10	8260 - SURR	3x1.2ml	MeOH	1.2ml	2000	ECS Lot # VO5020		2/2/10	JK
V-8297	8/18/08	9/30/10	8260 GASES - REF	3x1.2ml	MeOH	1.2ml	1000	ECS Lot # VGM019		9/30/10	JK
V-8298	8/18/08	12/15/09	8260 KETONES - REF	3x1.2ml	MeOH	1.2ml	2000	ECS Lot # KTM1555		12/15/09	JK
V-8299	8/18/08	9/21/08	BFB	150ul	MeOH/CV200	2ml	150	V-8219	2000	9/21/08	JK
V-8300	9/5/08	12/15/10	8260 IS Mix ~~9/5/08~~ 9/10/08	3x1.2ml	MeOH	3x1.2ml	2000	ECS Lot # VISB06	2000	12/15/10	MS
V-8301	9/9/08	5/31/10	BFB	4x1.2ml	MeOH	4x1.2ml	2000	Ultra Lot # CC-1085	2000	5/31/10	MS
V-8302	9/10/08	1/10/09	8260-IS	Cracked, 2000 ~~50~~ 2000 ul*	MeOH/CV200	2ml	~~50~~ 2000 9/10/08	V-8300	~~2000~~	12/15/10	MS
V-8303	9/10/08	11/10/08	8260-IS	50ul	MeOH/CV200	2ml	50	V-8302	2000	1/10/09	MS

MS 9/10/08

*MS 9/10/08

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GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8304	9/10/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—	—	—	—	YJ
↓	↓	↓	1 N NaOH	140ml	DI H2O	2 L	pH 4.99	V-8213	1N	5/19/09	↓
↓	↓	↓	Acetic Acid, Glacial	11.4 ml	↓	↓	↓	V-8109		2/6/11	↓
V-8305	9/10/08	3/10/09	2-CEVE-CAL	51.1250 - 50.6234	MEOH/CV200	10ml	50,860	V-7858	98.2%	9/10	JK
				0.5016							
V-8306	9/10/08	3/10/09	ACRYLONITRILE-CAL	50.4033 - 49.8993	MEOH/CV200	10ml	50,400	V-7946	99.5%	10/10	JK
				0.5040							
V-8307	9/10/08	3/10/09	ACROLEIN-CAL	52.1328 - 51.6296	MEOH/CV200	10ml	50,320	V-8225	96.1%	3/09	JK
				0.5032							
V-8308	9/10/08	1/10/09	8260-SURR	CRACKED	MeOH	1.2ml	2000	V-8296	2000	2/2/10	JK
—	—	—	—	—	—	—	—	—	—	—	—
V-8309	9/10/08	1/10/09	524/8260 MM-CAL	CRACKED	MeOH	1.2ml	2000	V-8224	2000	11/11/00	JK
V-8310	9/10/08	12/10/08	KETONES-CAL	CRACKED	MEOH	1.2ml	2000	V-7916	2000	2/2/09	JK
V-8311	9/10/08	11/10/08	GASES-CAL	CRACKED	MEOH	1.2ml	1000	V-8110	1000	09/10	JK
V-8312	9/10/08	11/10/08	MESL CAL W/O GASES	—	—	—	—	—	—	—	—
↓	↓	↓	VINYL ACETATE-CAL	363ul	MEOH/CV200	2ml	2000	V-8260	11,030	1/14/09	JK
↓	↓	↓	2-CEVE-CAL	399ul	↓	↓	10,000	V-8305	50,160	3/10/09	↓
↓	↓	↓	CS2-CAL	327ul	↓	↓	2,000	V-8262	12,220	1/14/09	↓
↓	↓	↓	ACRYLONITRILE-CAL	397ul	↓	↓	10,000	V-8306	50,400	3/10/09	↓
↓	↓	↓	ACROLEIN-CAL	397ul	↓	↓	10,000	V-8307	50,320	↓	↓
V-8313	9/10/08	1/10/09	524/8260 MM-REF	CRACKED	MeOH	1.2ml	2000	V-8005	2000	5/26/09	JK
V-8314	9/10/08	12/10/08	KETONES-REF	CRACKED	MeOH	1.2ml	2000	V-8298	2000	12/15/09	JK

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GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8315	9/10/08	11/10/08	GASES - REF	CRACKED	MEOH	1.2ml	1000	V-8247	1000	9/30/10	JK
V-8316	9/10/08	11/10/08	8260 CAL W/O KETONES	—	—	—	—		—		—
↓	↓	↓	STOCK 1 - CAL	100ul	MEOH/CV200	2ml	100	V-8244	2000	11/14/08	JK
			STOCK 2 - CAL	↓	↓	↓	↓	V-8249	↓	↓	↓
			524/8260 MM - CAL					V-8309		1/10/09	
↓	↓	↓	8260 - SURR	↓	↓	↓	↓	V-8308	↓	↓	↓
V-8317	9/10/08	11/10/08	KETONES - CAL	200ul	MEOH/CV200	2ml	200	V-8310	2000	12/10/08	JK
V-8318	9/10/08	10/10/08	8260 MESC - CAL	—	—	—	—		—		—
↓	↓	↓	VINYL ACETATE - CAL	18.1ul	MEOH/CV200	2ml	100	V-8260	11,030	1/14/09	JK
			2-CLEVE - CAL	92.2ul	↓	↓	500	V-8261	10,840	↓	↓
			CS2 - CAL	16.4ul			100	V-8262	12,220		
			ACRYLONITRILE - CAL	99.7ul			500	V-8263	10,030		
			ACROLEIN - CAL	100.9ul			↓	V-8264	9,910	↓	
↓	↓	↓	GASES - CAL	200ul	↓	↓	100	V-8311	1000	11/10/08	↓
V-8319	9/10/08	11/10/08	8260 - IS/SURR	—	—	—	—		—		—
↓	↓	↓	8260 - IS	50ul	MEOH/CV200	2ml	50	V-8302	2000	1/10/09	JK
↓	↓	↓	8260 - SURR	50ul	↓	↓	↓	V-8308	↓	↓	↓
V-8320	9/10/08	11/10/08	8260 REF W/O KETONES	—	—	—	—		—		—
↓	↓	↓	STOCK 1 - REF	100ul	MEOH/CV200	2ml	100	V-8254	2000	11/14/08	JK
			STOCK 2 - REF	↓	↓	↓	↓	V-8259	↓	↓	↓
↓	↓	↓	524/8260 MM - REF					V-8313		1/10/09	
V-8321	9/10/08	11/10/08	8260 KETONES - REF	200ul	MEOH/CV200	2ml	200	V-8314	2000	12/10/08	JK

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GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8322	9/10/08	10/10/08	8260 MISC REF	—	—	—	—		—		—
↓	↓	↓	VINYL ACETATE - REF	20.2ul	MeOH/CV200	2ml	100	V-8265	9,890	1/14/09	JK
			2-CLEVE - REF	97.4ul	↓	↓	500	V-8266	10,270	↓	↓
			CS_2 - REF	17.2ul			100	V-8267	11,750		
			ACRYLONITRILE - REF	96.8ul			500	V-8268	10,330		
			ACROLEIN - REF	92.1ul			↓	V-8269	10,860	↓	
↓	↓	↓	GASES - REF	200ul	↓	↓	100	V-8315	1000	11/10/08	↓
V-8323	9/11/08	9/19/08	8260 VOC MIX	—	—	—	—		—		—
↓	↓	↓	524/8260 MM - CAL	100ul	MeOH/CV200	1ml	10	V-8316	100	11/10/08	JK
			KETONES - CAL	↓	↓	↓	20	V-8317	200	↓	↓
↓	↓	↓	8260 MISC - CAL	↓	↓	↓	10/50	V-8318	100/500	10/10/08	↓
V-8324	9/15/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—		—		LS
↓	↓	↓	1 N NaOH	140ml	DI H_2O	2L	pH 4.96	V-8213 1N	5/19/09		↓
↓	↓	↓	Glacial Acetic Acid	11.4ml	↓	↓	↓	V-8109	2/6/11		↓
V-8325	9/16/08	12/16/08	TCLP SPIKE SOL'N	CRACKED	MeOH	1.2ml	1000	V-8111	1000	10/31/09	JK
V8326	9/16/08	1/10/09	8260 IS/Surr Solatek MS3:	—	—	—	—	—	—	—	
↓	↓	↓	std 8260 Internal Standard	263 µl	MeOH/	25mL	21.04	V8307	2000	1/10/09	
↓	↓	↓	#3 8260 Surrogate Standard	263 µl	CV200	↓	↓	V8308	2000	1/10/09	↓
V8327	9/18/08	1/10/09	8260 IS/Surr SolatekMS2	~~798 µl~~ 9/18/08	—	—	—	—	—	—	
↓	↓	↓	std 8260 Internal Standard	798 µl	MeOH/	25 mL	63.8	V8302	2000	1/10/09	
↓	↓	↓	#1 8260 Surrogate Standard	798 µl	CV200	↓	↓	V8308	2000	1/10/09	↓

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GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V8328	9-16-08	1-10-09	8260 IS/Surr Solatek MS3:	—	—	—	—	—	—	—	UW
↓	↓	↓	Std #2 { 8260 Internal Standard	823 µl	MeOH/	25mL	65.8	V8302	2000	1/10/09	↓
↓	↓	↓	Std #2 { 8260 Surrogate Standard	823 µl	CV200	↓	65.8	V8308	2000	1/10/09	↓
V8329	9-19-08	1-10-09	8260 IS/Surr Archon MS4:	—	—	—	—	—	—	—	UW
↓	↓	↓	Std #1 { 8260 Internal Std	625 µl	MeOH/	5 mL	250	V8302	2000	1/10/09	
↓	↓	↓	Std #1 { 8260 Surrogate Std	625 µl	CV200	↓	↓	V8308	2000	1/10/09	↓
V8330	9-19-08	1-10-09	8260 IS/Surr Standard Archon	—	—	—	—	—	—	—	UW
↓	↓	↓	Std #2 { 8260 Internal Standard MS4	250 µl	MeOH/	5mL	100	V8302	2000	1/10/09	↓
↓	↓	↓	Std #2 { 8260 Surrogate Standard	250 µl	CV200	↓	↓	V8308	2000	1/10/09	↓
V8331	9-22-08	1-22-09	8260 Surrogate	Cracked	MeOH	~1.8mL	2000	V8296	2000	2/2/10	UW
V-8332	9/24/08	1/24/09	BFB Stock Sol'n	Cracked	MeOH	1.2ml	2000	V-7854	2000	5/31/10	YS
V-8333	9/24/08	12/24/08	BFB Sol'n	150µl	MeOH/CV200	2ml	150	V-8332	2000	1/24/09	YS
V-8334	9/24/08	1/24/09	IS stock	Cracked	MeOH	1.2ml	2000	V-8300	2000	12/15/10	YS
V-8335	9/24/08	11/24/08	8260-IS	50µl	MeOH/CV200	2ml	50	V-8334	2000	1/24/09	YS
V-8336	9/24/08	11/14/08	8260 CAL w/o Ketones	—	—	—	—		—		=
↓	↓	↓	Stock 1 - Cal	100µl	MeOH/CV200	2ml	100	V-8244	2000	11/14/08	YS
↓	↓	↓	Stock 2 - Cal	↓	↓	↓	↓	V-8249	↓	↓	↓
↓	↓	↓	524/8260 MM - Cal	↓	↓	↓	↓	V-8309	↓	1/10/09	↓
↓	↓	↓	8260 - Surr	↓	↓	↓	↓	V-8331	↓	1/22/09	↓
V-8337	9/24/08	11/24/08	Ketones-Cal	200µl	MeOH/CV200	2ml	200	V-8310	2000	12/10/08	YS
YS 9/24/08											

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GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8338	9/24/08	10/24/08	8260 MISC-Cal	—	—	—	—	—	—	—	—
↓	↓	↓	Vinyl Acetate-Cal	18.1µl	MeOH/ CV200	2ml	100	V-8260	11,030	1/14/09	GS
			2-CEVE-Cal	92.3µl	↓	↓	500	V-8261	10,840	↓	↓
			CS_2-Cal	116.4µl			100	V-8262	12,220		
			Acrylonitrile-Cal	99.7µl			500	V-8263	10,050		
			Acrolein-Cal	100.9µl			↓	V-8264	9,910		
↓	↓	↓	Gases-Cal	200µl	↓	↓	100	V-8311	1000	11/10/08	↓
V-8339	9/24/08	10/24/08	8260 VOC Mix	—	—	—	—	—	—	—	—
↓	↓	↓	524/8260 MM-Cal	100µl	MeOH/ CV200	1ml	10	V-8336	100	11/14/08	GS
			Ketones-Cal	↓	↓	↓	20	V-8337	200	11/24/08 ~~11/10/08~~ ~~10/24/08~~	↓
↓	↓	↓	8260 Misc-Cal	↓	↓	↓	10/50	V-8338	100/500	10/24/08	↓
V-8340	9/24/08	10/24/08	8260 Misc-Ref	—	—	—	—	—	—	—	—
↓	↓	↓	Vinyl Acetate-Ref	20.2µl	MeOH/ CV200	2ml	100	V-8265	9,890	1/14/09	GS
			2-CEVE-Ref	97.4µl	↓	↓	500	V-8266	10,270	↓	↓
			CS_2-Ref	17.2µl			100	V-8267	11,750		
			Acrylonitrile-Ref	96.8µl			500	V-8268	10,530		
			Acrolein-Ref	92.1µl			↓	V-8269	10,860		
↓	↓	↓	Gases-Ref	200µl	↓	↓	100	V-8315	1000	11/10/08	↓
V-8341	9/25/08	5/19/09	TCLP Extraction Sol'n	—	—	—	—	—	—	—	—
↓	↓	↓	1N NaOH	140ml	DI H_2O	2L	pH 4.94	V-8213	1N	5/19/09	GS
↓	↓	↓	Glacial Acetic Acid	11.4ml	↓	↓	↓	V-8109		2/11	↓
V-8342	10/9/08	12/9/08	Gases-Cnc	Cracked	MeOH	1.2ml	1000	V-8110	1000	9/10	JK

Supervisor Review: _____

GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
V-8343	10/9/08	12/9/08	8260 - IS	50ul	MeOH/CV200	2ml	50	V-8334	2000	1/24/09	JK
V-8344	10/9/08	11/14/08	8260 CAL w/o KETONES	—	—	—	—		—		—
↓	↓	↓	STOCK 1 - CAL	100ul	MeOH/CV200	2ml	100	V-8244	2000	11/14/08	JK
			STOCK 2 - CAL	↓	↓	↓	↓	V-8249	↓	↓	↓
			524/8260 MM - CAL					V-8309		1/10/09	
↓	↓	↓	8260 SURR	↓	↓	↓	↓	V-8331	↓	1/22/09	↓
V-8345	10/9/08	12/9/08	KETONES - CAL	200ul	MeOH/CV200	2ml	200	V-8310	2000	12/10/08	JK
V-8346	10/9/08	11/9/08	MISC - CAL	—	—	—	—		—		—
↓	↓	↓	VINYL ACETATE - CAL	18.1ul	MeOH/CV200	2ml	100	V-8260	11,030	1/14/09	JK
			2-CEVE - CAL	92.2ul	↓	↓	500	V-8261	10,840	↓	↓
			CS_2 - CAL	16.4ul			100	V-8262	12,220		
			ACRYLONITRILE - CAL	99.7ul			500	V-8263	10,030		
			ACROLEIN - CAL	100.9ul			↓	V-8264	9,910	↓	
↓	↓	↓	GASES - CAL	200ul	↓	↓	100	V-8342	1000	12/9/08	↓
V-8347	10/9/08	10/16/08	8260 VOC MIX - CAL	—	—	—	—		—		—
↓	↓	↓	8260 CAL w/o KETONES - CAL	50ul	MeOH/CV200	1ml	5	V-8344	100	11/14/08	JK
			KETONES - CAL	↓	↓	↓	10	V-8345	200	12/9/08	↓
↓	↓	↓	8260 MISC - CAL	↓	↓	↓ 10/9/08	98 ↓ 5/25	V-8346	100/500	11/9/08	↓
V-8348	10/9/08	12/9/08	Gases - Ref	cracked	MeOH	1.2ml	1000	V-8208	1000	9/30/10	↓
V-8349	10/9/08	12/9/08	IS - Surr	—	—	—	—				↓
↓	↓	↓	8260 - IS	50ul	MeOH CV200	2ml	50	V-8334	2000	1/24/09	↓
↓	↓	↓	8260 - Surr	50ul	↓	↓	↓	V-8331	2000	1/22/09	↓

Supervisor Review: _____

GC/MS VOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Conc (ppm)	Exp Date	Prep'd By
V-8350	10/9/08	11/14/08	8260 Ref W/O Ketones	—	—	—	—				—
			Stock1 - Ref	100 µl	MeOH CY200	2ml	100	V-8254	2000	11/14/08	YS
			Stock 2- Ref					V-8255	2000	11/14/08	
			524/8260 MM- Ref					V-8318	2000	1/10/09	
V-8351	10/9/08	12/9/08	8260 Ketones - Ref	200µl	MeOH CY200	2 ml	200	V-8314	2000	12/10/08	YS
V-8352	10/9/08	11/9/08	8260 Misc -Ref	—	—	—	—				—
			Vinyl Acetate -Ref	20.2µl	MeOH CY200	11/4/08 100 2ml	100	V-8265	9,890	1/14/09	YS
			2-CEVE - Ref	97.4µl		500	500	V-8266	10,270		
			CS_2 - Ref	17.2µl		100	100	V-8267	11,750		
			Acrylonitrile - Ref	96.8µl		500	500	V-8268	10,330		
			Acrolein - Ref	92.1µl		500	500	V-8269	10,860		
			Gases - Ref	200µl		100	100	V-8348	1000	12/9/08	

Supervisor Review: _____

GC/MS Semivolatile Organics Data

QC Summary

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

	EPA SAMPLE NO.	LSL ID	S1 (2FP) 1 #	S2 (FBP) 1 #	S3 (NBZ) 1 #	S4 (PHL) 1 #	S5 (TBP) 1 #	S6 (TPH) 1 #	TOT OUT
01	MB-8267	MB-8267	84	83	86	84	94	100	0
02	LCS-8267	LCS-8267	89	84	89	91	108	99	0
03	MSB-8267	MSB-8267	88	87	89	89	109	98	0
04	MW-1	0810110-001B	79	70	79	81	96	85	0
05	MW-2	0810110-002B	75	80	78	76	109	100	0
06	MW-2MS	0810110-002BMS	77	82	80	76	119	99	0
07	MW-2MSD	0810110-002BMSD	77	86	83	76	118	88	0
08	MW-3	0810110-003B	76	80	79	76	114	115	0
09	MW-4	0810110-004B	77	86	86	77	117	118	0
10	MW-4FD	0810110-005B	77	85	82	76	114	102	0
11	MW-3DL	0810110-003BDL	79	79	78	81	100	92	0
12	MW-4DL	0810110-004BDL	79	88	84	84	113	96	0
13	MW-4FDDL	0810110-005BDL	80	84	81	81	105	84	0

	QC Limit
S1 (2FP) 1 = 2-Fluorophenol	26-130
S2 (FBP) 1 = 2-Fluorobiphenyl	42-130
S3 (NBZ) 1 = Nitrobenzene-d5	42-130
S4 (PHL) 1 = Phenol-d5	21-134
S5 (TBP) 1 = 2,4,6-Tribromophenol	46-149
S6 (TPH) 1 = Terphenyl-d14	24-147

Column to be used to flag recovery values

* Values outside of contract required QC limits

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	48.1	10	51.5	0	93	30	130				
2,4,5-Trichlorophenol	38.5	52	51.5	0	75	50	134				J
2,4,6-Trichlorophenol	43.5	10	51.5	0	84	50	130				
2,4-Dichlorophenol	44.8	10	51.5	0	87	50	130				
2,4-Dimethylphenol	42.3	10	51.5	0	82	39	130				
2,4-Dinitrophenol	30.3	52	51.5	0	59	45	130				J
2,4-Dinitrotoluene	48.3	10	51.5	0	94	50	130				
2,6-Dinitrotoluene	48.6	10	51.5	0	94	50	130				
2-Chloronaphthalene	40.7	10	51.5	0	79	50	130				
2-Chlorophenol	43.2	10	51.5	0	84	35	130				
2-Methylnaphthalene	35.4	10	51.5	0	69	36	130				
2-Methylphenol	35.4	10	51.5	0	69	34	138				
2-Nitroaniline	39.1	52	51.5	0	76	10	173				J
2-Nitrophenol	42.1	10	51.5	0	82	46	130				
3,3'-Dichlorobenzidine	46.8	21	51.5	0	91	10	151				
3-Nitroaniline	41.3	52	51.5	0	80	10	161				J
4,6-Dinitro-2-methylphenol	39.0	10	51.5	0	76	50	130				
4-Bromophenyl phenyl ether	47.2	10	51.5	0	92	50	130				
4-Chloro-3-methylphenol	41.7	10	51.5	0	81	48	135				
4-Chloroaniline	37.1	10	51.5	0	72	14	133				
4-Chlorophenyl phenyl ether	44.0	10	51.5	0	85	50	130				
4-Methylphenol	35.9	10	51.5	0	70	48	130				
4-Nitroaniline	41.8	52	51.5	0	81	10	175				J
4-Nitrophenol	58.9	52	51.5	0	114	50	154				
Acenaphthene	42.4	10	51.5	0	82	50	130				
Acenaphthylene	40.1	10	51.5	0	78	50	130				
Acetophenone	41.4	10	51.5	0	80	30	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	43.7	10	51.5	0	85	50	130				
Atrazine	34.5	10	51.5	0	67	30	130				
Benzaldehyde	40.6	10	51.5	0	79	30	130				
Benzo[a]anthracene	41.9	10	51.5	0	81	42	134				
Benzo[a]pyrene	42.8	10	51.5	0	83	36	139				
Benzo[b]fluoranthene	42.7	10	51.5	0	83	30	153				
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136				
Benzo[k]fluoranthene	49.7	10	51.5	0	96	21	166				
bis(2-Chloroethoxy)methane	39.7	10	51.5	0	77	35	130				
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153				
bis(2-chloroisopropyl)ether	40.1	10	51.5	0	78	28	130				
bis(2-Ethylhexyl)phthalate	44.9	10	51.5	0	87	49	153				
Butyl benzyl phthalate	44.9	10	51.5	0	87	28	157				
Caprolactam	49.6	10	51.5	0	96	30	130				
Carbazole	48.7	10	51.5	0	95	38	175				
Chrysene	44.8	10	51.5	0	87	43	132				
Di-n-butyl phthalate	47.5	10	51.5	0	92	37	152				
Di-n-octyl phthalate	42.4	10	51.5	0	82	50	148				
Dibenz[a,h]anthracene	31.6	10	51.5	0	61	27	149				
Dibenzofuran	35.9	10	51.5	0	70	50	130				
Diethyl phthalate	50.5	10	51.5	0	98	18	169				
Dimethyl phthalate	49.0	10	51.5	0	95	19	161				
Fluoranthene	37.8	10	51.5	0	73	50	130				
Fluorene	43.2	10	51.5	0	84	50	130				
Hexachlorobenzene	49.0	10	51.5	0	95	45	134				
Hexachlorobutadiene	31.1	10	51.5	0	60	20	130				
Hexachlorocyclopentadiene	ND	10	51.5	0	0	10	130				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.8	10	51.5	0	56	32	130				
Indeno[1,2,3-cd]pyrene	24.3	10	51.5	0	47	27	138				
Isophorone	42.6	10	51.5	0	83	49	130				
N-Nitroso-di-n-propylamine	43.5	10	51.5	0	84	30	145				
N-Nitrosodiphenylamine	47.8	10	51.5	0	93	19	157				
Naphthalene	38.8	10	51.5	0	75	33	130				
Nitrobenzene	43.3	10	51.5	0	84	38	145				
Pentachlorophenol	41.3	52	51.5	0	80	50	145				J
Phenanthrene	43.1	10	51.5	0	84	50	130				
Phenol	37.0	10	51.5	0	72	20	141				
Pyrene	41.2	10	51.5	0	80	47	133				
Surr: 2,4,6-Tribromophenol	184	0.10	155	0	119	46	149				
Surr: 2-Fluorobiphenyl	84.8	0.10	103	0	82	42	130				
Surr: 2-Fluorophenol	120	0.10	155	0	77	26	130				
Surr: Nitrobenzene-d5	82.2	0.10	103	0	80	42	130				
Surr: Phenol-d5	118	0.10	155	0	76	21	134				
Surr: Terphenyl-d14	102	0.10	103	0	99	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	49.3	10	51.5	0	96	30	130	48.1	2.3	60	
2,4,5-Trichlorophenol	38.3	52	51.5	0	74	50	134	38.5	0.5	30	J
2,4,6-Trichlorophenol	43.2	10	51.5	0	84	50	130	43.5	0.5	30	
2,4-Dichlorophenol	47.1	10	51.5	0	91	50	130	44.8	4.9	30	
2,4-Dimethylphenol	33.1	10	51.5	0	64	39	130	42.3	24	31	
2,4-Dinitrophenol	26.8	52	51.5	0	52	45	130	30.3	12	30	J
2,4-Dinitrotoluene	50.0	10	51.5	0	97	50	130	48.3	3.5	30	
2,6-Dinitrotoluene	47.3	10	51.5	0	92	50	130	48.6	2.7	30	
2-Chloronaphthalene	42.3	10	51.5	0	82	50	130	40.7	3.7	30	
2-Chlorophenol	44.0	10	51.5	0	85	35	130	43.2	1.9	60	
2-Methylnaphthalene	36.0	10	51.5	0	70	36	130	35.4	1.8	40	
2-Methylphenol	33.3	10	51.5	0	65	34	138	35.4	6.2	60	
2-Nitroaniline	38.0	52	51.5	0	74	10	173	39.1	2.8	60	J
2-Nitrophenol	43.4	10	51.5	0	84	46	130	42.1	2.8	36	
3,3´-Dichlorobenzidine	21.6	21	51.5	0	42	10	151	46.8	74	60	R
3-Nitroaniline	41.3	52	51.5	0	80	10	161	41.3	0	60	J
4,6-Dinitro-2-methylphenol	37.3	10	51.5	0	72	50	130	39	4.6	30	
4-Bromophenyl phenyl ether	49.1	10	51.5	0	95	50	130	47.2	3.9	37	
4-Chloro-3-methylphenol	42.2	10	51.5	0	82	48	135	41.7	1.2	60	
4-Chloroaniline	37.2	10	51.5	0	72	14	133	37.1	0.2	60	
4-Chlorophenyl phenyl ether	43.5	10	51.5	0	84	50	130	44	1.0	34	
4-Methylphenol	34.5	10	51.5	0	67	48	130	35.9	3.8	42	
4-Nitroaniline	41.5	52	51.5	0	81	10	175	41.8	0.7	60	J
4-Nitrophenol	61.1	52	51.5	0	119	50	154	58.9	3.7	42	
Acenaphthene	43.4	10	51.5	0	84	50	130	42.4	2.3	41	
Acenaphthylene	43.1	10	51.5	0	84	50	130	40.1	7.1	30	
Acetophenone	41.8	10	51.5	0	81	30	130	41.4	0.8	60	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	45.1	10	51.5	0	88	50	130	43.7	3.1	34	
Atrazine	47.4	10	51.5	0	92	30	130	34.5	32	60	
Benzaldehyde	42.7	10	51.5	0	83	30	130	40.6	5.1	60	
Benzo[a]anthracene	42.7	10	51.5	0	83	42	134	41.9	1.9	54	
Benzo[a]pyrene	44.6	10	51.5	0	86	36	139	42.8	4.1	58	
Benzo[b]fluoranthene	45.1	10	51.5	0	88	30	153	42.7	5.4	59	
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136	26.2	0	57	
Benzo[k]fluoranthene	50.6	10	51.5	0	98	21	166	49.7	1.8	60	
bis(2-Chloroethoxy)methane	41.1	10	51.5	0	80	35	130	39.7	3.6	60	
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153	39.4	0	60	
bis(2-chloroisopropyl)ether	38.7	10	51.5	0	75	28	130	40.1	3.7	60	
bis(2-Ethylhexyl)phthalate	48.2	10	51.5	0	94	49	153	44.9	7.2	59	
Butyl benzyl phthalate	48.4	10	51.5	0	94	28	157	44.9	7.6	46	
Caprolactam	49.9	10	51.5	0	97	30	130	49.6	0.6	60	
Carbazole	49.6	10	51.5	0	96	38	175	48.7	1.7	40	
Chrysene	46.4	10	51.5	0	90	43	132	44.8	3.6	57	
Di-n-butyl phthalate	53.9	10	51.5	0	105	37	152	47.5	13	32	
Di-n-octyl phthalate	45.8	10	51.5	0	89	50	148	42.4	7.8	58	
Dibenz[a,h]anthracene	31.4	10	51.5	0	61	27	149	31.6	0.6	52	
Dibenzofuran	37.3	10	51.5	0	72	50	130	35.9	3.8	30	
Diethyl phthalate	51.6	10	51.5	0	100	18	169	50.5	2.3	30	
Dimethyl phthalate	49.7	10	51.5	0	96	19	161	49	1.4	30	
Fluoranthene	46.0	10	51.5	0	89	50	130	37.8	20	45	
Fluorene	43.2	10	51.5	0	84	50	130	43.2	0.1	30	
Hexachlorobenzene	50.2	10	51.5	0	97	45	134	49	2.5	48	
Hexachlorobutadiene	32.9	10	51.5	0	64	20	130	31.1	5.4	60	
Hexachlorocyclopentadiene	12.8	10	51.5	0	25	10	130	0		31	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	31.2	10	51.5	0	61	32	130	28.8	7.9	60	
Indeno[1,2,3-cd]pyrene	23.9	10	51.5	0	46	27	138	24.3	1.6	52	
Isophorone	43.1	10	51.5	0	84	49	130	42.6	1.0	39	
N-Nitroso-di-n-propylamine	42.8	10	51.5	0	83	30	145	43.5	1.8	60	
N-Nitrosodiphenylamine	42.7	10	51.5	0	83	19	157	47.8	11	60	
Naphthalene	40.6	10	51.5	0	79	33	130	38.8	4.4	60	
Nitrobenzene	45.1	10	51.5	0	87	38	145	43.3	4.0	60	
Pentachlorophenol	39.2	52	51.5	0	76	50	145	41.3	5.2	30	J
Phenanthrene	46.0	10	51.5	0	89	50	130	43.1	6.7	32	
Phenol	37.2	10	51.5	0	72	20	141	37	0.5	60	
Pyrene	43.3	10	51.5	0	84	47	133	41.2	5.0	46	
Surr: 2,4,6-Tribromophenol	183	0.10	155	0	118	46	149	0		0	
Surr: 2-Fluorobiphenyl	88.3	0.10	103	0	86	42	130	0		0	
Surr: 2-Fluorophenol	119	0.10	155	0	77	26	130	0		0	
Surr: Nitrobenzene-d5	85.9	0.10	103	0	83	42	130	0		0	
Surr: Phenol-d5	117	0.10	155	0	76	21	134	0		0	
Surr: Terphenyl-d14	90.6	0.10	103	0	88	24	147	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	49.2	10	50	0	98	30	130				
2,4,5-Trichlorophenol	37.9	50	50	0	76	50	134				J
2,4,6-Trichlorophenol	43.0	10	50	0	86	50	130				
2,4-Dichlorophenol	42.6	10	50	0	85	50	130				
2,4-Dimethylphenol	38.7	10	50	0	77	39	130				
2,4-Dinitrophenol	35.2	50	50	0	70	45	130				J
2,4-Dinitrotoluene	47.2	10	50	0	94	50	130				
2,6-Dinitrotoluene	47.5	10	50	0	95	50	130				
2-Chloronaphthalene	38.6	10	50	0	77	50	130				
2-Chlorophenol	44.7	10	50	0	89	35	130				
2-Methylnaphthalene	32.2	10	50	0	64	36	130				
2-Methylphenol	38.2	10	50	0	76	34	138				
2-Nitroaniline	43.0	50	50	0	86	10	173				J
2-Nitrophenol	41.5	10	50	0	83	46	130				
3,3´-Dichlorobenzidine	25.1	20	50	0	50	10	151				
3-Nitroaniline	41.4	50	50	0	83	10	161				J
4,6-Dinitro-2-methylphenol	44.5	10	50	0	89	50	130				
4-Bromophenyl phenyl ether	42.3	10	50	0	85	50	130				
4-Chloro-3-methylphenol	42.4	10	50	0	85	48	135				
4-Chloroaniline	35.8	10	50	0	72	14	133				
4-Chlorophenyl phenyl ether	39.1	10	50	0	78	50	130				
4-Methylphenol	38.6	10	50	0	77	48	130				
4-Nitroaniline	40.8	50	50	0	82	10	175				J
4-Nitrophenol	53.1	50	50	0	106	50	154				
Acenaphthene	39.4	10	50	0	79	50	130				
Acenaphthylene	40.7	10	50	0	81	50	130				
Acetophenone	45.2	10	50	0	90	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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:

20-Oct-08

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	40.5	10	50	0	81	50	130				
Atrazine	48.4	10	50	0	97	30	130				
Benzaldehyde	48.4	10	50	0	97	30	130				
Benzo[a]anthracene	39.4	10	50	0	79	42	134				
Benzo[a]pyrene	41.0	10	50	0	82	36	139				
Benzo[b]fluoranthene	38.9	10	50	0	78	30	153				
Benzo[g,h,i]perylene	43.1	10	50	0	86	23	136				
Benzo[k]fluoranthene	42.6	10	50	0	85	21	166				
bis(2-Chloroethoxy)methane	44.2	10	50	0	88	35	130				
bis(2-chloroethyl)ether	45.0	10	50	0	90	18	153				
bis(2-chloroisopropyl)ether	49.9	10	50	0	100	28	130				
bis(2-Ethylhexyl)phthalate	43.9	10	50	0	88	49	153				
Butyl benzyl phthalate	43.4	10	50	0	87	28	157				
Caprolactam	62.5	10	50	0	125	30	130				
Carbazole	45.2	10	50	0	90	38	175				
Chrysene	42.3	10	50	0	85	43	132				
Di-n-butyl phthalate	47.9	10	50	0	96	37	152				
Di-n-octyl phthalate	43.4	10	50	0	87	50	148				
Dibenz[a,h]anthracene	43.9	10	50	0	88	27	149				
Dibenzofuran	33.2	10	50	0	66	50	130				
Diethyl phthalate	48.3	10	50	0	97	18	169				
Dimethyl phthalate	48.9	10	50	0	98	19	161				
Fluoranthene	41.1	10	50	0	82	50	130				
Fluorene	38.2	10	50	0	76	50	130				
Hexachlorobenzene	42.5	10	50	0	85	45	134				
Hexachlorobutadiene	26.6	10	50	0	53	20	130				
Hexachlorocyclopentadiene	28.5	10	50	0	57	10	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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20-Oct-08

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	29.9	10	50	0	60	32	130				
Indeno[1,2,3-cd]pyrene	42.6	10	50	0	85	27	138				
Isophorone	46.0	10	50	0	92	49	130				
N-Nitroso-di-n-propylamine	46.6	10	50	0	93	30	145				
N-Nitrosodiphenylamine	43.7	10	50	0	87	19	157				
Naphthalene	37.5	10	50	0	75	33	130				
Nitrobenzene	45.9	10	50	0	92	38	145				
Pentachlorophenol	40.3	50	50	0	81	50	145				J
Phenanthrene	40.4	10	50	0	81	50	130				
Phenol	42.1	10	50	0	84	20	141				
Pyrene	38.3	10	50	0	77	47	133				
Surr: 2,4,6-Tribromophenol	164	0.10	150	0	109	46	149				
Surr: 2-Fluorobiphenyl	86.8	0.10	100	0	87	42	130				
Surr: 2-Fluorophenol	131	0.10	150	0	88	26	130				
Surr: Nitrobenzene-d5	89.3	0.10	100	0	89	42	130				
Surr: Phenol-d5	134	0.10	150	0	89	21	134				
Surr: Terphenyl-d14	98.4	0.10	100	0	98	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: LCS-8267	SampType: LCS	TestCode: 8270W_OLM	Units: µg/L	Prep Date: 10/15/2008	RunNo: 15208		
Client ID: ZZZZZ	Batch ID: 8267	Method: SW8270C	(SW3520C)	Analysis Date: 10/17/2008	SeqNo: 397632		
Instrument: MS05_26	ColumnID: DB-5MS		ZB-5, 0.5 df				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	47.9	10	50	0	96	30	130				
2,4,5-Trichlorophenol	36.4	50	50	0	73	60	125				J
2,4,6-Trichlorophenol	41.7	10	50	0	83	60	125				
2,4-Dichlorophenol	41.0	10	50	0	82	60	125				
2,4-Dimethylphenol	39.1	10	50	0	78	42	125				
2,4-Dinitrophenol	29.4	50	50	0	59	25	138				J
2,4-Dinitrotoluene	44.6	10	50	0	89	60	129				
2,6-Dinitrotoluene	45.3	10	50	0	91	60	127				
2-Chloronaphthalene	36.7	10	50	0	73	53	125				
2-Chlorophenol	45.7	10	50	0	91	53	125				
2-Methylnaphthalene	31.5	10	50	0	63	42	125				
2-Methylphenol	37.5	10	50	0	75	56	125				
2-Nitroaniline	41.5	50	50	0	83	60	138				J
2-Nitrophenol	40.6	10	50	0	81	57	125				
3,3'-Dichlorobenzidine	28.7	20	50	0	57	25	128				
3-Nitroaniline	41.9	50	50	0	84	55	144				J
4,6-Dinitro-2-methylphenol	41.3	10	50	0	83	57	125				
4-Bromophenyl phenyl ether	40.1	10	50	0	80	57	135				
4-Chloro-3-methylphenol	42.0	10	50	0	84	60	125				
4-Chloroaniline	36.6	10	50	0	73	39	139				
4-Chlorophenyl phenyl ether	37.7	10	50	0	75	54	128				
4-Methylphenol	38.7	10	50	0	77	51	125				
4-Nitroaniline	41.2	50	50	0	82	52	150				J
4-Nitrophenol	49.2	50	50	0	98	55	144				J
Acenaphthene	37.8	10	50	0	76	58	125				
Acenaphthylene	38.0	10	50	0	76	57	125				
Acetophenone	46.1	10	50	0	92	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8267**	SampType: **LCS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date:	**10/15/2008**	RunNo:	**15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date:	**10/17/2008**	SeqNo:	**397632**
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	38.7	10	50	0	77	60	125				
Atrazine	48.2	10	50	0	96	30	130				
Benzaldehyde	48.2	10	50	0	96	30	130				
Benzo[a]anthracene	38.5	10	50	0	77	60	125				
Benzo[a]pyrene	39.2	10	50	0	78	56	131				
Benzo[b]fluoranthene	37.4	10	50	0	75	56	134				
Benzo[g,h,i]perylene	41.5	10	50	0	83	44	144				
Benzo[k]fluoranthene	40.2	10	50	0	80	56	133				
bis(2-Chloroethoxy)methane	44.6	10	50	0	89	58	125				
bis(2-chloroethyl)ether	44.2	10	50	0	88	48	126				
bis(2-chloroisopropyl)ether	51.1	10	50	0	102	33	131				
bis(2-Ethylhexyl)phthalate	42.4	10	50	0	85	60	148				
Butyl benzyl phthalate	42.1	10	50	0	84	58	146				
Caprolactam	61.0	10	50	0	122	30	130				
Carbazole	44.5	10	50	0	89	57	146				
Chrysene	40.3	10	50	0	81	59	128				
Di-n-butyl phthalate	45.0	10	50	0	90	58	146				
Di-n-octyl phthalate	41.7	10	50	0	83	58	149				
Dibenz[a,h]anthracene	40.8	10	50	0	82	44	150				
Dibenzofuran	32.0	10	50	0	64	50	126				
Diethyl phthalate	47.1	10	50	0	94	56	147				
Dimethyl phthalate	47.7	10	50	0	95	60	129				
Fluoranthene	39.6	10	50	0	79	60	128				
Fluorene	37.2	10	50	0	74	59	125				
Hexachlorobenzene	40.8	10	50	0	82	60	134				
Hexachlorobutadiene	25.8	10	50	0	52	25	125				
Hexachlorocyclopentadiene	25.4	10	50	0	51	25	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **LCS-8267**	SampType: **LCS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397632**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.6	10	50	0	57	25	125				
Indeno[1,2,3-cd]pyrene	40.8	10	50	0	82	48	141				
Isophorone	45.5	10	50	0	91	60	125				
N-Nitroso-di-n-propylamine	47.3	10	50	0	95	55	134				
N-Nitrosodiphenylamine	41.7	10	50	0	83	54	136				
Naphthalene	36.1	10	50	0	72	48	125				
Nitrobenzene	45.4	10	50	0	91	60	125				
Pentachlorophenol	36.7	50	50	0	73	44	128				J
Phenanthrene	39.1	10	50	0	78	60	125				
Phenol	42.7	10	50	0	85	51	125				
Pyrene	37.7	10	50	0	75	59	130				
Surr: 2,4,6-Tribromophenol	161	0.10	150	0	108	46	149				
Surr: 2-Fluorobiphenyl	84.4	0.10	100	0	84	42	130				
Surr: 2-Fluorophenol	133	0.10	150	0	89	26	130				
Surr: Nitrobenzene-d5	89.1	0.10	100	0	89	42	130				
Surr: Phenol-d5	136	0.10	150	0	91	21	134				
Surr: Terphenyl-d14	98.8	0.10	100	0	99	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

EPA SAMPLE NO.

MB-8267

Lab Name: Life Science Laboratorie Contract: Life Science

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: N0022.D Lab Sample ID: MB-8267

Instrument ID: MS05_26 Date Extracted: 10/15/2008

Matrix: (soil/water) WATER Date Analyzed: 10/17/2008

Level: (low/med) Time Analyzed: 11:59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-8267	LCS-8267	N0023.D	12:38
02	MSB-8267	MSB-8267	N0024.D	13:16
03	MW-1	0810110-001B	N0029.D	16:33
04	MW-2	0810110-002B	N0030.D	17:11
05	MW-2MS	0810110-002BMS	N0031.D	17:50
06	MW-2MSD	0810110-002BMSD	N0032.D	18:28
07	MW-3	0810110-003B	N0033.D	19:06
08	MW-4	0810110-004B	N0034.D	19:45
09	MW-4FD	0810110-005B	N0035.D	20:23
10	MW-3DL	0810110-003BDL	N0046.D	13:33
11	MW-4DL	0810110-004BDL	N0047.D	14:11
12	MW-4FDDL	0810110-005BDL	N0048.D	14:49

COMMENTS: _____

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**		

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	ND	10									
2,4,5-Trichlorophenol	ND	50									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	10									
4-Bromophenyl phenyl ether	ND	10									
4-Chloro-3-methylphenol	ND	10									
4-Chloroaniline	ND	10									
4-Chlorophenyl phenyl ether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	50									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Acetophenone	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

370 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	10									
Atrazine	ND	10									
Benzaldehyde	ND	10									
Benzo[a]anthracene	ND	10									
Benzo[a]pyrene	ND	10									
Benzo[b]fluoranthene	ND	10									
Benzo[g,h,i]perylene	ND	10									
Benzo[k]fluoranthene	ND	10									
bis(2-Chloroethoxy)methane	ND	10									
bis(2-chloroethyl)ether	ND	10									
bis(2-chloroisopropyl)ether	ND	10									
bis(2-Ethylhexyl)phthalate	ND	10									
Butyl benzyl phthalate	ND	10									
Caprolactam	ND	10									
Carbazole	ND	10									
Chrysene	ND	10									
Di-n-butyl phthalate	ND	10									
Di-n-octyl phthalate	ND	10									
Dibenz[a,h]anthracene	ND	10									
Dibenzofuran	ND	10									
Diethyl phthalate	ND	10									
Dimethyl phthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	10									
Hexachlorocyclopentadiene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

371

:

20-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	10									
Indeno[1,2,3-cd]pyrene	ND	10									
Isophorone	ND	10									
N-Nitroso-di-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 2,4,6-Tribromophenol	142	0.10	150	0	94	46	149				
Surr: 2-Fluorobiphenyl	83.3	0.10	100	0	83	42	130				
Surr: 2-Fluorophenol	127	0.10	150	0	84	26	130				
Surr: Nitrobenzene-d5	86.0	0.10	100	0	86	42	130				
Surr: Phenol-d5	126	0.10	150	0	84	21	134				
Surr: Terphenyl-d14	100	0.10	100	0	100	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-8267

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: MB-8267

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0022.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 3 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000141-78-6	Ethyl Acetate	5.72	4.8	JN
2.		unknown (6.16)	6.16	5.2	J
3.		unknown (6.33)	6.33	6.2	J

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: TA\N9923.D DFTPP Injection Date: 10/14/2008

Instrument ID: MS05 26 DFTPP Injection Time: 8:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	65.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	45.4
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	23.0
365	Greater than 0.75% of mass 198	2.1
441	Present, but less than mass 443	11.1
442	40.0 - 110.0% of mass 198	70.9
443	15.0 - 24.0% of mass 442	12.7 (18.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160PPM	SSTD160PPM	N9924.D	10/14/08	8:47
02	SSTD120PPM	SSTD120PPM	N9925.D	10/14/08	9:25
03	SSTD080PPM	SSTD080PPM	N9926.D	10/14/08	10:04
04	SSTD060PPM	SSTD060PPM	N9927.D	10/14/08	10:42
05	SSTD050PPM	SSTD050PPM	N9928.D	10/14/08	11:20
06	SSTD040PPM	SSTD040PPM	N9929.D	10/14/08	11:58
07	SSTD020PPM	SSTD020PPM	N9930.D	10/14/08	12:37
08	SSTD010PPM	SSTD010PPM	N9931.D	10/14/08	13:15
09	SSTD005PPM	SSTD005PPM	N9932.D	10/14/08	13:53
10	SSTD001PPM	SSTD001PPM	N9933.D	10/14/08	14:31
11	2SRC-101408	2SRC-101408	N9934.D	10/14/08	15:09
12	SSTD160PPM OLM	SSTD160PPM OLM	N9935.D	10/14/08	15:47
13	SSTD120PPM OLM	SSTD120PPM OLM	N9936.D	10/14/08	16:26
14	SSTD080PPM OLM	SSTD080PPM OLM	N9937.D	10/14/08	17:04
15	SSTD050PPM OLM	SSTD050PPM OLM	N9938.D	10/14/08	17:42
16	SSTD040PPM OLM	SSTD040PPM OLM	N9939.D	10/14/08	18:20
17	SSTD020PPM OLM	SSTD020PPM OLM	N9940.D	10/14/08	18:58
18	SSTD010PPM OLM	SSTD010PPM OLM	N9941.D	10/14/08	19:37
19	SSTD005PPM OLM	SSTD005PPM OLM	N9942.D	10/14/08	20:15

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: TA\N0019.D DFTPP Injection Date: 10/17/2008

Instrument ID: MS05 26 DFTPP Injection Time: 10:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	73.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	49.7
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	22.7
365	Greater than 0.75% of mass 198	2.3
441	Present, but less than mass 443	11.7
442	40.0 - 110.0% of mass 198	72.1
443	15.0 - 24.0% of mass 442	14.1 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC101708A5	CC101708A5	N0020.D	10/17/08	10:43
02	CC101708B5 OLM	CC101708B5 OLM	N0021.D	10/17/08	11:21
03	MB-8267	MB-8267	N0022.D	10/17/08	11:59
04	LCS-8267	LCS-8267	N0023.D	10/17/08	12:38
05	MSB-8267	MSB-8267	N0024.D	10/17/08	13:16
06	MW-1	0810110-001B	N0029.D	10/17/08	16:33
07	MW-2	0810110-002B	N0030.D	10/17/08	17:11
08	MW-2MS	0810110-002BMS	N0031.D	10/17/08	17:50
09	MW-2MSD	0810110-002BMSD	N0032.D	10/17/08	18:28
10	MW-3	0810110-003B	N0033.D	10/17/08	19:06
11	MW-4	0810110-004B	N0034.D	10/17/08	19:45
12	MW-4FD	0810110-005B	N0035.D	10/17/08	20:23

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLE SAS No.: _____ SDG No.: 0810110

Lab File ID: TA\N0037.D DFTPP Injection Date: 10/20/2008

Instrument ID: MS05_26 DFTPP Injection Time: 8:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	51.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	73.2
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	25.0 - 75.0% of mass 198	49.3
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	24.0
365	Greater than 0.75% of mass 198	2.7
441	Present, but less than mass 443	13.4
442	40.0 - 110.0% of mass 198	80.7
443	15.0 - 24.0% of mass 442	15.0 (18.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC102008A5	CC102008A5	N0038.D	10/20/08	8:27
02	CC102008B5 OLM	CC102008B5 OLM	N0039.D	10/20/08	9:05
03	MW-3DL	0810110-003BDL	N0046.D	10/20/08	13:33
04	MW-4DL	0810110-004BDL	N0047.D	10/20/08	14:11
05	MW-4FDDL	0810110-005BDL	N0048.D	10/20/08	14:49

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	179993	9.60	620338	11.94	362404	15.27	626535	18.10
UPPER LIMIT	359986	10.10	1240676	12.44	724808	15.77	1253070	18.60
LOWER LIMIT	89997	9.10	310169	11.44	181202	14.77	313268	17.60
SAMPLE NO.								
01 CC101708B5 OLM (CC101708B5 OLM)	179036	9.60	610309	11.94	350795	15.26	609660	18.10
02 MB-8267 (MB-8267)	156428	9.59	550756	11.94	308088	15.26	538926	18.09
03 LCS-8267 (LCS-8267)	171450	9.59	607592	11.94	350121	15.27	615388	18.10
04 MSB-8267 (MSB-8267)	169532	9.60	590763	11.94	333962	15.27	586691	18.10
05 MW-1 (0810110-001B)	166966	9.60	601241	11.94	350070	15.27	599082	18.11
06 MW-2 (0810110-002B)	150365	9.60	519247	11.94	309836	15.27	541571	18.11
07 MW-2MS (0810110-002BMS)	147628	9.60	511288	11.95	305194	15.27	546567	18.11
08 MW-2MSD (0810110-002BMSD)	133898	9.60	452299	11.95	275630	15.27	491076	18.11
09 MW-3 (0810110-003B)	144560	9.60	506978	11.94	298808	15.27	485311	18.11
10 MW-4 (0810110-004B)	144321	9.60	490413	11.94	295728	15.27	479718	18.11
11 MW-4FD (0810110-005B)	124348	9.60	432694	11.94	256572	15.27	424311	18.11

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #				
12 HOUR STD	588434	23.14	607833	25.95				
UPPER LIMIT	1176868	23.64	1215666	26.45				
LOWER LIMIT	294217	22.64	303917	25.45				
SAMPLE NO.								
01 CC101708B5 OLM (CC101708B5 OLM)	554661	23.12	566452	25.94				
02 MB-8267 (MB-8267)	474602	23.13	473408	25.93				
03 LCS-8267 (LCS-8267)	562625	23.13	585232	25.95				
04 MSB-8267 (MSB-8267)	542641	23.13	555732	25.94				
05 MW-1 (0810110-001B)	426575	23.14	330217	25.94				
06 MW-2 (0810110-002B)	430973	23.14	351610	25.95				
07 MW-2MS (0810110-002BMS)	442945	23.15	369111	25.95				
08 MW-2MSD (0810110-002BMSD)	442031	23.14	360550	25.94				
09 MW-3 (0810110-003B)	293759*	23.15	131870*	25.95				
10 MW-4 (0810110-004B)	293485*	23.15	132963*	25.95				
11 MW-4FD (0810110-005B)	286904*	23.15	131774*	25.95				

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	160273	9.52	541103	11.87	321129	15.19	560608	18.02
UPPER LIMIT	320546	10.02	1082206	12.37	642258	15.69	1121216	18.52
LOWER LIMIT	80137	9.02	270552	11.37	160565	14.69	280304	17.52
SAMPLE NO.								
01 CC102008B5 OLM (CC102008B5 OLM)	159837	9.52	559895	11.86	319329	15.18	559979	18.01
02 MW-3DL (0810110-003BDL)	182322	9.53	648314	11.87	381593	15.19	668426	18.02
03 MW-4DL (0810110-004BDL)	174405	9.53	593948	11.87	347912	15.19	605646	18.03
04 MW-4FDDL (0810110-005BDL)	168943	9.53	602909	11.87	357430	15.19	610410	18.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #				
12 HOUR STD	526781	23.06	537878	25.83				
UPPER LIMIT	1053562	23.56	1075756	26.33				
LOWER LIMIT	263391	22.56	268939	25.33				
SAMPLE NO.								
01 CC102008B5 OLM (CC102008B5 OLM)	497777	23.04	505323	25.82				
02 MW-3DL (0810110-003BDL)	493821	23.06	315785	25.83				
03 MW-4DL (0810110-004BDL)	476651	23.06	331081	25.83				
04 MW-4FDDL (0810110-005BDL)	489812	23.06	345256	25.83				

IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Semi-Volatile Combined MDL Study Summary

Instrument ID(s): MS5,MS6 **Column ID(s):** DB-5MS, 0.25 mm x 30m, 0.5 df MDL Sample Size = 1000 mL (EV = 1 mL)

Analytical Method	Prep. Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ug/mL)	Std Dev	MDL (ug/L)	MDL VER (ug/L)
8270C/625	3520C	Water	1,4-Dioxane	02/25/06	1.35	1.51	1.43	1.46	1.54	1.34	1.53	2.00	0.082	0.26	1.20
8270C/625	3520C	Water	N-nitrosodimethylamine	03/10/06	0.40	0.31	0.29	0.19	0.17	0.20	0.33	0.80	0.085	0.27	1.20
8270C/625	3520C	Water	Pyridine	03/10/06	0.39	0.29	0.37	0.32	0.17	0.29	0.37	0.80	0.075	0.24	0.40
8270C/625	3520C	Water	2-Fluorophenol	03/10/06	0.57	0.64	0.61	0.59	0.64	0.59	0.63	0.80	0.028	0.09	
8270C/625	3520C	Water	Phenol-d5	03/10/06	0.67	0.71	0.63	0.62	0.67	0.60	0.67	0.80	0.038	0.12	
8270C/625	3520C	Water	Phenol	02/20/06	0.32	0.31	0.36	0.27	0.31	0.30	0.28	0.40	0.029	0.09	
8270C/625	3520C	Water	Aniline	02/25/06	0.26	0.26	0.26	0.24	0.26	0.27	0.30	0.40	0.018	0.06	1.20
8270C/625	3520C	Water	bis(2-Chloroethyl)ether	02/20/06	0.32	0.34	0.32	0.30	0.32	0.34	0.32	0.40	0.014	0.04	
8270C/625	3520C	Water	2-Chlorophenol-d4	03/10/06	0.64	0.62	0.67	0.61	0.65	0.66	0.61	0.80	0.024	0.08	
8270C/625	3520C	Water	2-Chlorophenol	03/10/06	0.70	0.72	0.67	0.62	0.72	0.65	0.67	0.80	0.037	0.12	
8270C/625	3520C	Water	1,3-Dichlorobenzene	02/25/06	0.25	0.29	0.23	0.26	0.26	0.26	0.28	0.40	0.020	0.06	1.20
8270C/625	3520C	Water	1,4-Dichlorobenzene	02/24/06	0.27	0.29	0.30	0.27	0.26	0.32	0.30	0.40	0.021	0.07	1.20
8270C/625	3520C	Water	Benzyl alcohol	02/25/06	0.24	0.21	0.18	0.14	0.20	0.19	0.15	0.40	0.035	0.11	
8270C/625	3520C	Water	1,2-Dichlorobenzene-d4	03/10/06	0.72	0.63	0.68	0.62	0.66	0.70	0.65	0.80	0.036	0.11	
8270C/625	3520C	Water	1,2-Dichlorobenzene	02/24/06	0.27	0.29	0.28	0.33	0.28	0.32	0.28	0.40	0.023	0.07	1.20
8270C/625	3520C	Water	2-Methylphenol	02/20/06	0.25	0.25	0.23	0.24	0.23	0.28	0.21	0.40	0.022	0.07	1.20
8270C/625	3520C	Water	2,2'-oxybis(1-chloropropane)	03/10/06	0.73	0.80	0.70	0.71	0.70	0.71	0.79	0.80	0.043	0.13	1.20
8270C/625	3520C	Water	bis(2-Chloroisopropyl)ether	03/10/06	0.73	0.80	0.70	0.71	0.70	0.71	0.79	0.80	0.043	0.13	1.20
8270C/625	3520C	Water	4-Methylphenol	03/10/06	0.61	0.68	0.59	0.68	0.63	0.63	0.63	0.80	0.034	0.11	1.20
8270C/625	3520C	Water	(3+4)-Methylphenol	03/10/06	0.61	0.68	0.59	0.68	0.63	0.63	0.63	0.80	0.034	0.11	1.20
8270C/625	3520C	Water	N-Nitroso-di-n-propylamine	03/10/06	0.78	0.74	0.64	0.66	0.72	0.67	0.70	0.80	0.049	0.15	
8270C/625	3520C	Water	Hexachloroethane	02/24/06	0.18	0.19	0.18	0.15	0.17	0.22	0.15	0.40	0.024	0.08	1.20
8270C/625	3520C	Water	Nitrobenzene-d5	03/10/06	0.74	0.69	0.69	0.69	0.69	0.67	0.66	0.80	0.025	0.08	
8270C/625	3520C	Water	Nitrobenzene	03/10/06	0.71	0.68	0.65	0.60	0.65	0.71	0.67	0.80	0.039	0.12	
8270C/625	3520C	Water	Isophorone	03/10/06	0.76	0.70	0.71	0.72	0.69	0.68	0.64	0.80	0.037	0.12	
8270C/625	3520C	Water	2-Nitrophenol	02/24/06	0.20	0.14	0.18	0.19	0.15	0.15	0.18	0.40	0.023	0.07	
8270C/625	3520C	Water	2,4-Dimethylphenol	03/10/06	0.81	0.76	0.75	0.61	0.73	0.66	0.60	0.80	0.080	0.25	2.00
8270C/625	3520C	Water	Benzoic acid	02/24/06	5.84	7.25	7.81	9.73	10.57	9.09	7.21	50.00	1.651	5.19	20.00
8270C/625	3520C	Water	bis(2-Chloroethoxy)methane	03/10/06	0.75	0.71	0.68	0.72	0.78	0.72	0.70	0.80	0.033	0.10	
8270C/625	3520C	Water	2,4-Dichlorophenol	02/24/06	0.25	0.22	0.22	0.27	0.25	0.27	0.21	0.40	0.025	0.08	
8270C/625	3520C	Water	1,2,4-Trichlorobenzene	02/25/06	0.24	0.30	0.25	0.28	0.24	0.24	0.32	0.40	0.033	0.10	
8270C/625	3520C	Water	Naphthalene	03/10/06	0.72	0.75	0.72	0.71	0.72	0.75	0.70	0.80	0.019	0.06	
8270C/625	3520C	Water	4-Chloroaniline	03/10/06	0.81	0.76	0.74	0.75	0.71	0.76	0.72	0.80	0.033	0.10	

GC/MS Semi-Volatile Combined MDL Study Summary

Analytical Method	Prep. Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ug/mL)	Std Dev	MDL (ug/L)	VER (ug/L)
8270C/625	3520C	Water	Hexachlorobutadiene	02/25/06	0.21	0.16	0.20	0.22	0.21	0.29	0.26	0.40	0.042	0.13	1.20
8270C/625	3520C	Water	4-Chloro-3-methylphenol	02/25/06	0.19	0.21	0.23	0.24	0.25	0.24	0.19	0.40	0.025	0.08	
8270C/625	3520C	Water	2-Methylnaphthalene	02/24/06	0.28	0.29	0.31	0.27	0.29	0.31	0.31	0.40	0.016	0.05	
8270C/625	3520C	Water	Hexachlorocyclopentadiene	02/20/06	2.50	2.29	2.28	1.88	1.73	2.72	2.04	5.00	0.347	1.09	10.00
8270C/625	3520C	Water	2,4,6-Trichlorophenol	02/20/06	0.23	0.25	0.27	0.22	0.21	0.25	0.17	0.40	0.033	0.10	1.20
8270C/625	3520C	Water	2,4,5-Trichlorophenol	02/24/06	0.22	0.22	0.21	0.22	0.11	0.26	0.21	0.40	0.046	0.14	
8270C/625	3520C	Water	2-Fluorobiphenyl	03/10/06	0.73	0.74	0.69	0.67	0.74	0.68	0.75	0.80	0.033	0.10	
8270C/625	3520C	Water	2-Chloronaphthalene	02/20/06	0.31	0.33	0.34	0.32	0.31	0.41	0.32	0.40	0.035	0.11	
8270C/625	3520C	Water	2-Nitroaniline	03/10/06	0.68	0.55	0.62	0.54	0.48	0.55	0.60	0.80	0.065	0.20	0.40
8270C/625	3520C	Water	Dimethyl phthalate	02/20/06	0.32	0.30	0.31	0.31	0.29	0.38	0.28	0.40	0.033	0.10	
8270C/625	3520C	Water	2,6-Dinitrotoluene	03/10/06	0.68	0.55	0.57	0.57	0.61	0.47	0.59	0.80	0.063	0.20	0.40
8270C/625	3520C	Water	Acenaphthylene	03/10/06	0.72	0.70	0.70	0.66	0.70	0.63	0.68	0.80	0.030	0.10	
8270C/625	3520C	Water	3-Nitroaniline	02/24/06	0.27	0.26	0.28	0.29	0.21	0.26	0.25	0.60	0.026	0.08	1.20
8270C/625	3520C	Water	Acenaphthene	02/20/06	0.33	0.31	0.27	0.27	0.28	0.33	0.30	0.40	0.026	0.08	
8270C/625	3520C	Water	2,4-Dinitrophenol	02/20/06	0.90	0.94	0.97	0.94	0.97	1.15	0.91	5.00	0.084	0.27	10.00
8270C/625	3520C	Water	4-Nitrophenol	02/20/06	0.41	0.36	0.37	0.31	0.42	0.66	0.26	1.60	0.128	0.40	2.00
8270C/625	3520C	Water	2,4-Dinitrotoluene	02/20/06	0.23	0.16	0.20	0.13	0.10	0.21	0.18	0.40	0.046	0.14	0.40
8270C/625	3520C	Water	Dibenzofuran	02/20/06	0.33	0.34	0.33	0.31	0.28	0.42	0.36	0.40	0.044	0.14	
8270C/625	3520C	Water	Diethyl phthalate	03/10/06	0.95	0.90	0.86	0.90	0.90	0.84	0.84	0.80	0.040	0.13	
8270C/625	3520C	Water	4-Chlorophenyl phenyl ether	02/20/06	0.31	0.29	0.30	0.27	0.26	0.38	0.30	0.40	0.039	0.12	
8270C/625	3520C	Water	Fluorene	03/10/06	0.79	0.77	0.68	0.75	0.74	0.76	0.76	0.80	0.035	0.11	
8270C/625	3520C	Water	4-Nitroaniline	03/10/06	0.78	0.66	0.60	0.70	0.67	0.65	0.62	0.80	0.059	0.19	1.20
8270C/625	3520C	Water	1,2-Diphenylhydrazine	02/24/06	0.29	0.27	0.30	0.31	0.29	0.29	0.28	0.40	0.013	0.04	0.40
8270C/625	3520C	Water	2,4,6-Tribromophenol	03/10/06	0.63	0.49	0.50	0.58	0.48	0.46	0.58	0.80	0.064	0.20	1.20
8270C/625	3520C	Water	4,6-Dinitro-2-methylphenol	02/20/06	1.18	1.23	1.23	1.08	1.12	1.40	1.08	4.00	0.113	0.35	2.00
8270C/625	3520C	Water	n-Nitrosodiphenylamine	02/24/06	0.30	0.31	0.29	0.31	0.24	0.30	0.30	0.40	0.024	0.08	
8270C/625	3520C	Water	4-Bromophenyl phenyl ether	02/25/06	0.23	0.17	0.21	0.31	0.21	0.26	0.27	0.40	0.046	0.15	
8270C/625	3520C	Water	Hexachlorobenzene	02/25/06	0.19	0.23	0.24	0.24	0.27	0.21	0.16	0.40	0.037	0.11	
8270C/625	3520C	Water	Pentachlorophenol	02/20/06	0.63	0.69	0.73	0.58	0.55	0.61	0.53	2.00	0.073	0.23	5.00
8270C/625	3520C	Water	Phenanthrene	03/10/06	0.89	0.83	0.82	0.83	0.83	0.78	0.83	0.80	0.032	0.10	
8270C/625	3520C	Water	Anthracene	03/10/06	0.88	0.80	0.75	0.79	0.79	0.78	0.75	0.80	0.044	0.14	
8270C/625	3520C	Water	Carbazole	03/10/06	1.03	1.00	0.91	0.97	0.96	0.94	0.94	0.80	0.040	0.13	
8270C/625	3520C	Water	Di-n-butyl phthalate	03/10/06	1.04	2.31	1.07	1.06	0.94	1.48	0.89	0.80	0.502	1.58	

GC/MS Semi-Volatile Combined MDL Study Summary

Analytical Method	Prep. Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ug/mL)	Std Dev	MDL (ug/L)	VER (ug/L)
8270C/625	3520C	Water	Fluoranthene	02/24/06	0.30	0.34	0.29	0.33	0.32	0.29	0.32	0.40	0.020	0.06	
8270C/625	3520C	Water	Benzidine	02/24/06	109.42	119.58	112.53	121.26	112.05	110.11	113.52	50.00	4.585	14.41	10.00
8270C/625	3520C	Water	Pyrene	02/20/06	0.25	0.29	0.27	0.28	0.31	0.25	0.28	0.40	0.021	0.07	
8270C/625	3520C	Water	Terphenyl-d14	03/10/06	0.87	0.82	0.84	0.88	0.83	0.83	0.85	0.80	0.022	0.07	
8270C/625	3520C	Water	Butyl benzyl phthalate	02/24/06	0.25	0.26	0.35	0.24	0.20	0.23	0.21	0.40	0.049	0.16	
8270C/625	3520C	Water	3,3'-Dichlorobenzidine	03/10/06	1.06	0.84	0.90	0.87	0.58	0.69	0.69	0.80	0.162	0.51	1.20
8270C/625	3520C	Water	Benzo[a]anthracene	02/25/06	0.33	0.34	0.35	0.35	0.32	0.33	0.28	0.40	0.024	0.08	
8270C/625	3520C	Water	bis(2-Ethylhexyl)phthalate	02/20/06	0.34	0.52	0.27	0.32	0.19	0.23	0.56	0.40	0.142	0.45	
8270C/625	3520C	Water	Chrysene	02/20/06	0.27	0.33	0.34	0.30	0.34	0.34	0.31	0.40	0.027	0.08	
8270C/625	3520C	Water	Di-n-octyl phthalate	02/24/06	0.17	0.16	0.30	0.15	0.17	0.15	0.13	0.40	0.057	0.18	
8270C/625	3520C	Water	Indeno[1,2,3-cd]pyrene	03/10/06	0.82	0.78	0.73	0.78	0.75	0.76	0.77	0.80	0.028	0.09	
8270C/625	3520C	Water	Benzo[b]fluoranthene	02/20/06	0.39	0.37	0.44	0.34	0.27	0.75	0.31	0.40	0.160	0.50	
8270C/625	3520C	Water	Benzo[k]fluoranthene	02/20/06	0.34	0.36	0.45	0.31	0.26	0.58	0.34	0.40	0.106	0.33	
8270C/625	3520C	Water	Benzo[a]pyrene	02/20/06	0.15	0.16	0.21	0.19	0.16	0.27	0.13	0.40	0.047	0.15	
8270C/625	3520C	Water	Dibenz[a,h]anthracene	03/10/06	0.77	0.76	0.76	0.77	0.71	0.70	0.74	0.80	0.029	0.09	
8270C/625	3520C	Water	Benzo[g,h,i]perylene	03/10/06	0.80	0.80	0.81	0.80	0.78	0.72	0.77	0.80	0.031	0.10	
8270C/625	3520C	Water	Benzaldehyde	02/25/06	0.98	1.30	1.32	1.29	1.24	1.20	1.18	2.00	0.116	0.37	
8270C/625	3520C	Water	Acetophenone	02/25/06	1.08	1.36	1.34	1.47	1.32	1.31	1.35	2.00	0.118	0.37	
8270C/625	3520C	Water	N-Nitrosopyrrolidine	02/25/06	0.85	0.95	0.94	0.90	0.84	0.85	0.94	2.00	0.049	0.15	*
8270C/625	3520C	Water	Caprolactam	02/25/06	1.05	1.23	0.94	1.06	0.99	0.82	0.79	2.00	0.151	0.48	1.20
8270C/625	3520C	Water	1,1'-Biphenyl	02/25/06	1.13	1.41	1.46	1.42	1.40	1.47	1.47	2.00	0.120	0.38	
8270C/625	3520C	Water	1,2,4,5-Tetrachlorobenzene	02/25/06	1.12	1.41	1.32	1.39	1.41	1.40	1.38	2.00	0.105	0.33	*
8270C/625	3520C	Water	2-Naphthylamine	02/25/06	0.24	1.03	1.21	1.15	1.18	1.04	1.08	2.00	0.338	1.06	*
8270C/625	3520C	Water	Atrazine	02/25/06	0.98	1.20	1.11	1.16	1.10	1.06	1.16	2.00	0.074	0.23	1.20

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

The GC/MS instrument **minimum** threshold quantitation level is set to 0.5 (or 1.0 ug/mL) ug/mL of extract (dependant on the initial calibration low standard concentration).

MDL verified (MS5/MS6): 2-15-08 * analyte not verified

Sample Data

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 16:33
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 16:33
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 16:33
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 16:33
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 16:33
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 16:33
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 16:33
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 16:33
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 16:33
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 16:33
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 16:33
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 16:33
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 16:33
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 16:33
3,3'-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 16:33
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 16:33
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 16:33
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 16:33
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 16:33
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 16:33
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 16:33
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 16:33
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 16:33
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 16:33
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 16:33
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 16:33
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 16:33
Anthracene	ND		10	0.14	µg/L	1	10/17/08 16:33
Atrazine	ND		10	1.2	µg/L	1	10/17/08 16:33
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 16:33
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 16:33
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 16:33
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 16:33
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 16:33
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 16:33
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 16:33
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 16:33
bis(2-Ethylhexyl)phthalate	1.2	J	10	0.45	µg/L	1	10/17/08 16:33
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 16:33
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 16:33
Carbazole	ND		10	0.13	µg/L	1	10/17/08 16:33
Chrysene	ND		10	0.080	µg/L	1	10/17/08 16:33
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 16:33
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 16:33
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 16:33
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 16:33
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 16:33
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 16:33
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 16:33
Fluorene	ND		10	0.11	µg/L	1	10/17/08 16:33
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 16:33
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 16:33
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 16:33
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 16:33
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 16:33
Isophorone	ND		10	0.12	µg/L	1	10/17/08 16:33
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 16:33
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 16:33
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 16:33
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 16:33
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 16:33
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 16:33
Phenol	ND		10	0.090	µg/L	1	10/17/08 16:33
Pyrene	ND		10	0.070	µg/L	1	10/17/08 16:33
Surr: 2,4,6-Tribromophenol	96.0		46-149	0	%REC	1	10/17/08 16:33
Surr: 2-Fluorobiphenyl	70.0		42-130	0	%REC	1	10/17/08 16:33
Surr: 2-Fluorophenol	79.3		26-130	0	%REC	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0029.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	79.2		42-130	0	%REC	1	10/17/08 16:33
Surr: Phenol-d5	81.3		21-134	0	%REC	1	10/17/08 16:33
Surr: Terphenyl-d14	84.6		24-147	0	%REC	1	10/17/08 16:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0029.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0029.D Vial: 11
Acq On : 17 Oct 2008 16:33 Operator: MEG
Sample : 0810110-001B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	166966	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	601241	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	350070	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	599082	40.00	ug/mL	0.00
58) Chrysene-d12	23.14	240	426575	40.00	ug/mL	0.00
68) Perylene-d12	25.94	264	330217	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.27	112	547568	118.90	ug/mL	0.00
Spiked Amount 150.000			Recovery = 79.27%			
3) Phenol-d5	8.89	99	768378	121.92	ug/mL	0.00
Spiked Amount 150.000			Recovery = 81.28%			
14) Nitrobenzene-d5	10.60	82	548405	79.22	ug/mL	0.00
Spiked Amount 100.000			Recovery = 79.22%			
30) 2-Fluorobiphenyl	13.97	172	760828	70.00	ug/mL	0.00
Spiked Amount 100.000			Recovery = 70.00%			
46) 2,4,6-Tribromophenol	16.76	330	349969	143.98	ug/mL	0.00
Spiked Amount 150.000			Recovery = 95.99%			
60) Terphenyl-d14	21.13	244	647701	84.60	ug/mL	0.02
Spiked Amount 100.000			Recovery = 84.60%			
Target Compounds						Qvalue
64) bis(2-Ethylhexyl)phthalate	23.09	149	13372	1.21	ug/mL	95

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

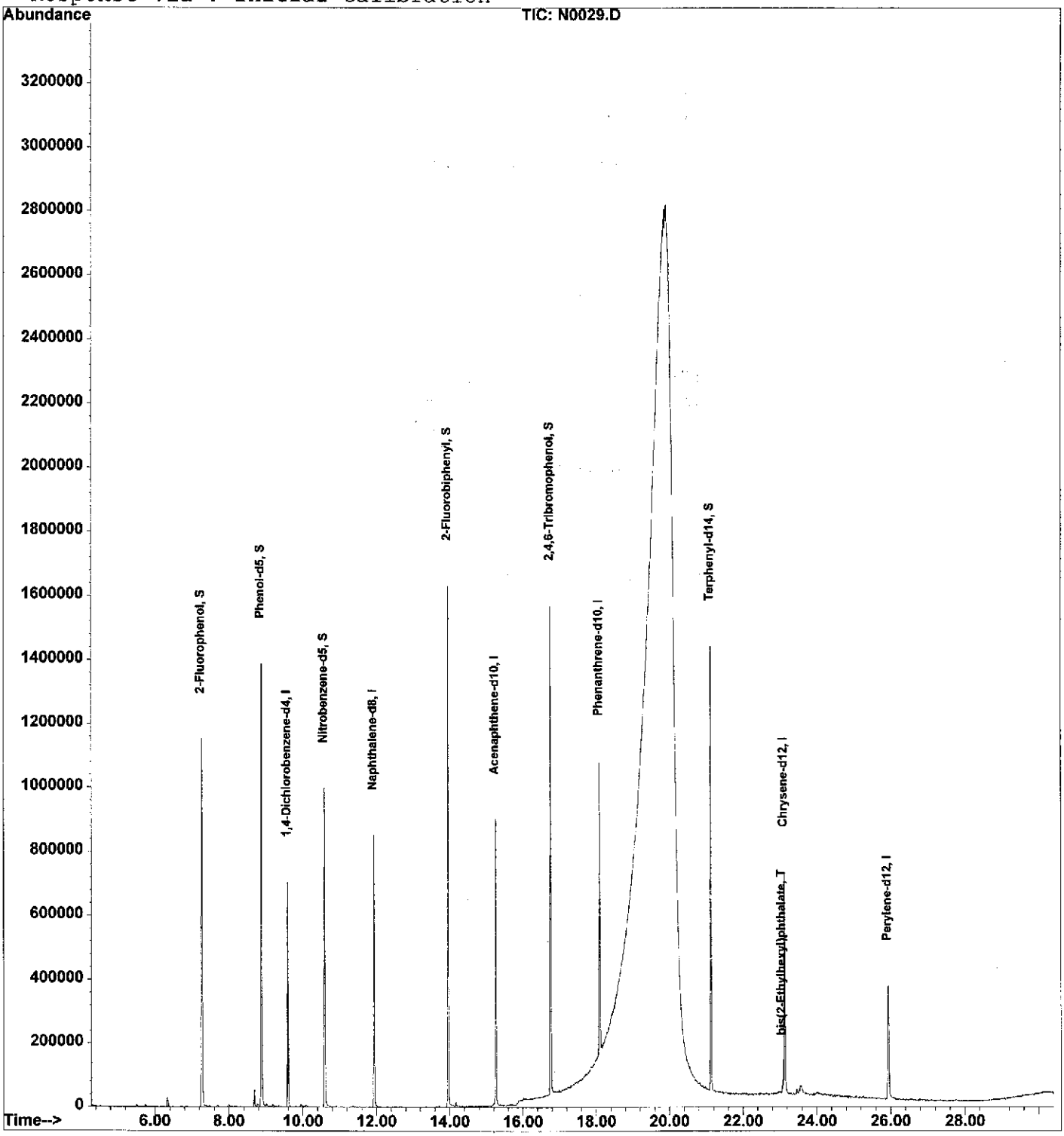
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0029.D
Acq On : 17 Oct 2008 16:33
Sample : 0810110-001B
Misc : SAMP,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008

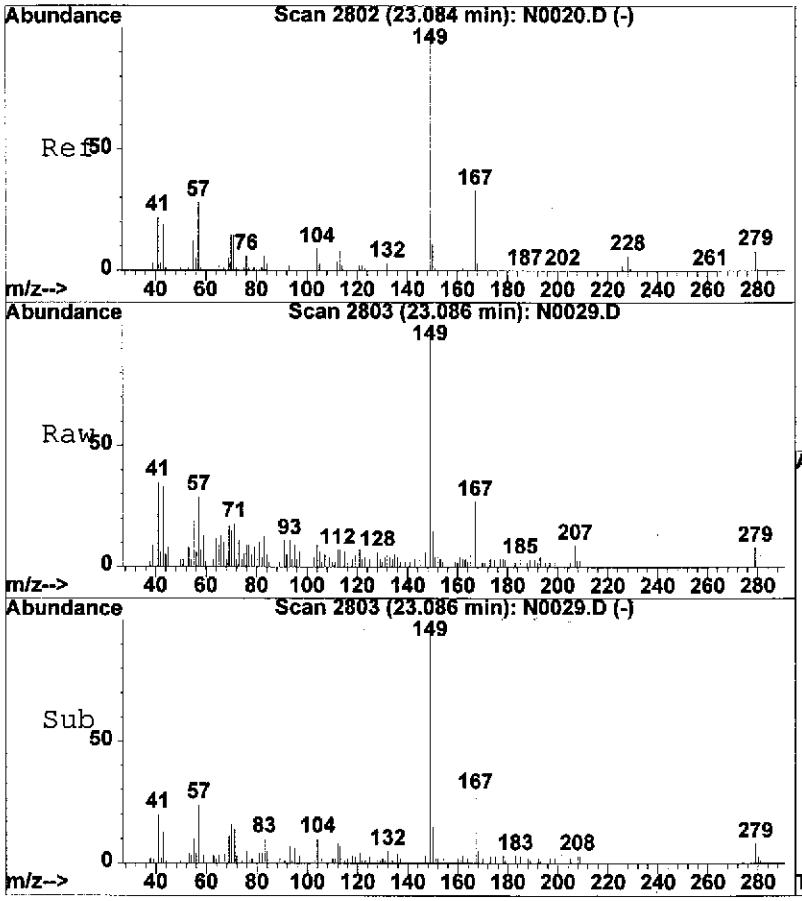
Vial: 11
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



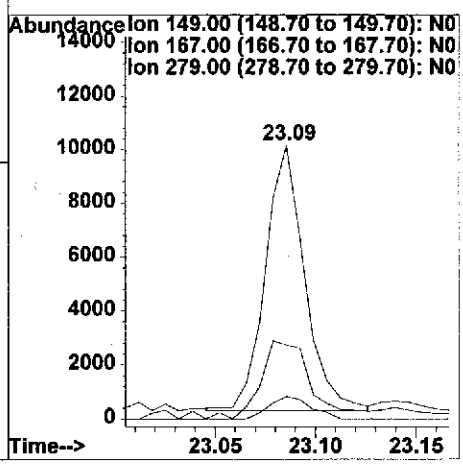
N0029.D NO14OL42.M Mon Oct 20 09:26:37 2008 P



#64
bis(2-Ethylhexyl)phthalate
Concen: 1.21 ug/mL
RT: 23.09 min Scan# 2803
Delta R.T. 0.00 min
Lab File: N0029.D
Acq: 17 Oct 2008 16:33

Tgt Ion:149 Resp: 13372

Ion	Ratio	Lower	Upper
149	100		
167	37.5	3.9	63.9
279	8.8	0.0	38.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0029.D
Acq On : 17 Oct 2008 16:33
Sample : 0810110-001B
Misc : SAMP,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008

Vial: 11
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	166966	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	600936	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	350070	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	599082	40.00	ug/mL	0.00
14) Chrysene-d12	23.14	240	426575	40.00	ug/mL	0.02
15) Perylene-d12	25.94	264	330217	40.00	ug/mL	0.00

System Monitoring Compounds

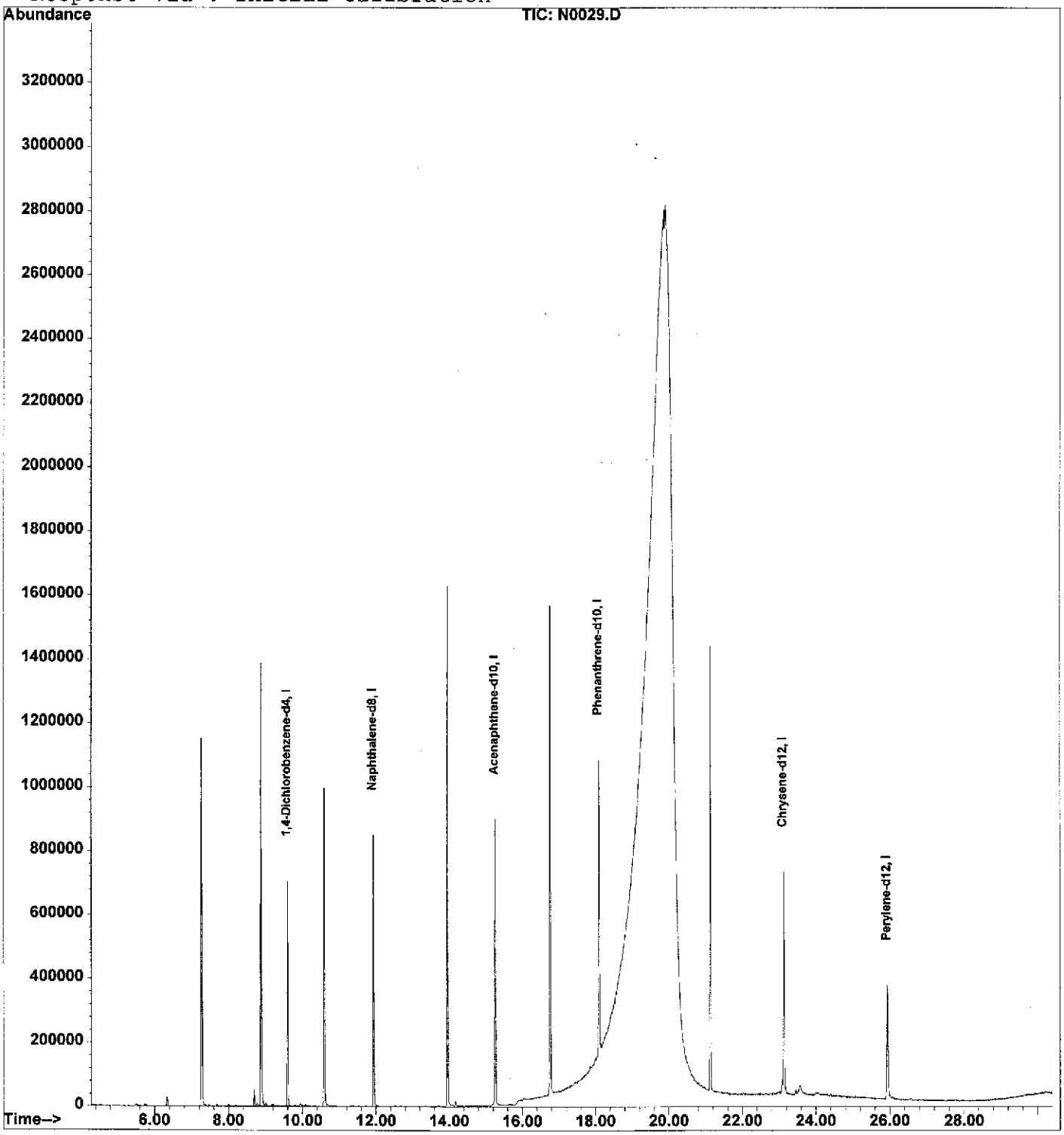
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0029.D NO14OLM.M Mon Oct 20 09:40:38 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0029.D Vial: 11
Acq On : 17 Oct 2008 16:33 Operator: MEG
Sample : 0810110-001B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Tentatively Identified Compound (LSC) summary

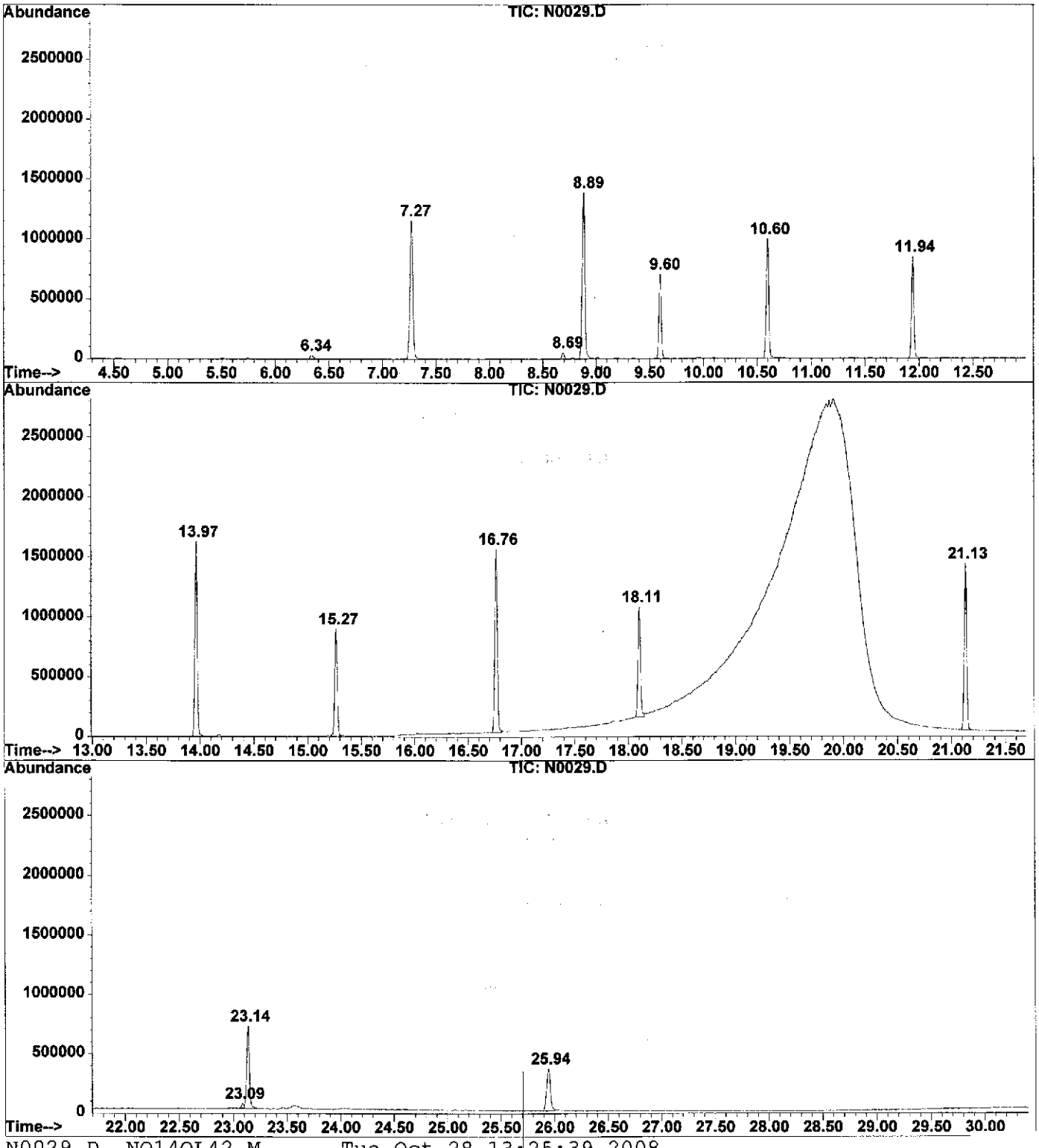
Operator ID: MEG Date Acquired: 17 Oct 2008 16:33
Data File: C:\HPCHEM\1\DATA\N0029.D
Name: 0810110-001B
Misc: SAMP,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

N0029.D NO14OL42.M Tue Oct 28 13:25:39 2008

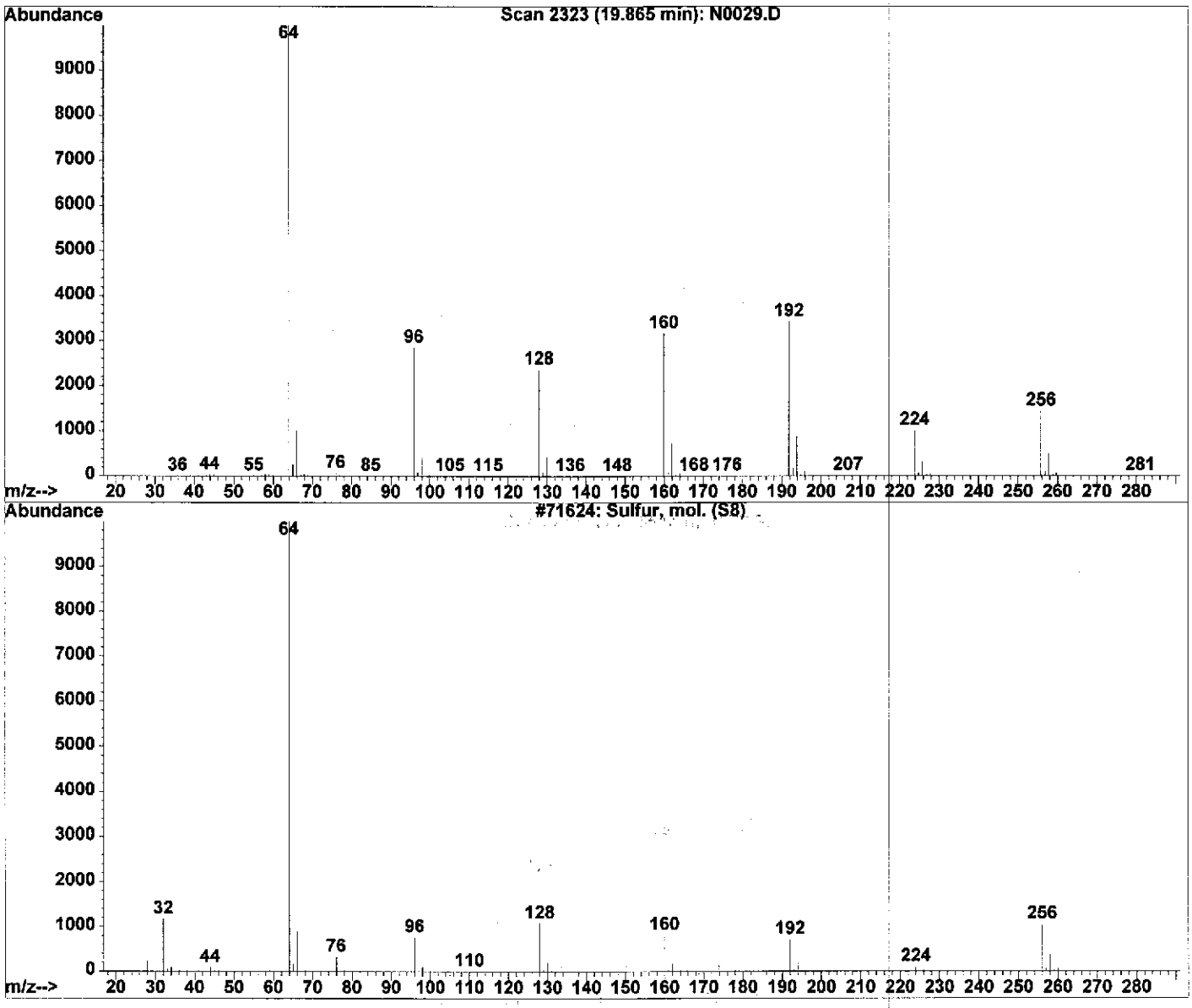
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0029.D
Operator : MEG
Acquired : 17 Oct 2008 16:33 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: 0810110-001B
Misc Info : SAMP,8270W_OLM42,
Vial Number: 11
Quant File :NO14OL42.RES (RTE Integrator)



N0029.D NO14OL42.M Tue Oct 28 13:25:39 2008

Library Searched : C:\DATABASE\nbs75k.l
Quality : 80
ID : Sulfur, mol. (S8)



Molecular Sulfur eluting at approximately 20 minutes

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-2***
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1´-Biphenyl	ND		10	0.39	µg/L	1	10/17/08 17:11
2,4,5-Trichlorophenol	ND		52	0.14	µg/L	1	10/17/08 17:11
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 17:11
2,4-Dichlorophenol	ND		10	0.082	µg/L	1	10/17/08 17:11
2,4-Dimethylphenol	ND		10	2.1	µg/L	1	10/17/08 17:11
2,4-Dinitrophenol	ND		52	10	µg/L	1	10/17/08 17:11
2,4-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 17:11
2,6-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 17:11
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 17:11
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 17:11
2-Methylnaphthalene	ND		10	0.052	µg/L	1	10/17/08 17:11
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 17:11
2-Nitroaniline	ND		52	0.41	µg/L	1	10/17/08 17:11
2-Nitrophenol	ND		10	0.072	µg/L	1	10/17/08 17:11
3,3´-Dichlorobenzidine	ND		21	1.2	µg/L	1	10/17/08 17:11
3-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 17:11
4,6-Dinitro-2-methylphenol	ND		10	2.1	µg/L	1	10/17/08 17:11
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 17:11
4-Chloro-3-methylphenol	ND		10	0.082	µg/L	1	10/17/08 17:11
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 17:11
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 17:11
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 17:11
4-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 17:11
4-Nitrophenol	ND		52	2.1	µg/L	1	10/17/08 17:11
Acenaphthene	ND		10	0.082	µg/L	1	10/17/08 17:11
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 17:11
Acetophenone	ND		10	0.38	µg/L	1	10/17/08 17:11
Anthracene	ND		10	0.14	µg/L	1	10/17/08 17:11
Atrazine	ND		10	1.2	µg/L	1	10/17/08 17:11
Benzaldehyde	ND		10	0.38	µg/L	1	10/17/08 17:11
Benzo[a]anthracene	ND		10	0.082	µg/L	1	10/17/08 17:11
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 17:11
Benzo[b]fluoranthene	ND		10	0.52	µg/L	1	10/17/08 17:11
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.34	µg/L	1	10/17/08 17:11
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 17:11
bis(2-chloroethyl)ether	ND		10	0.041	µg/L	1	10/17/08 17:11
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 17:11
bis(2-Ethylhexyl)phthalate	ND		10	0.46	µg/L	1	10/17/08 17:11
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 17:11
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 17:11
Carbazole	ND		10	0.13	µg/L	1	10/17/08 17:11
Chrysene	ND		10	0.082	µg/L	1	10/17/08 17:11
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 17:11
Di-n-octyl phthalate	ND		10	0.19	µg/L	1	10/17/08 17:11
Dibenz[a,h]anthracene	ND		10	0.093	µg/L	1	10/17/08 17:11
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 17:11
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 17:11
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 17:11
Fluoranthene	ND		10	0.062	µg/L	1	10/17/08 17:11
Fluorene	ND		10	0.11	µg/L	1	10/17/08 17:11
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 17:11
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 17:11
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 17:11
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 17:11
Indeno[1,2,3-cd]pyrene	ND		10	0.093	µg/L	1	10/17/08 17:11
Isophorone	ND		10	0.12	µg/L	1	10/17/08 17:11
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 17:11
N-Nitrosodiphenylamine	ND		10	0.082	µg/L	1	10/17/08 17:11
Naphthalene	ND		10	0.062	µg/L	1	10/17/08 17:11
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 17:11
Pentachlorophenol	ND		52	5.2	µg/L	1	10/17/08 17:11
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 17:11
Phenol	ND		10	0.093	µg/L	1	10/17/08 17:11
Pyrene	ND		10	0.072	µg/L	1	10/17/08 17:11
Surr: 2,4,6-Tribromophenol	109		46-149	0	%REC	1	10/17/08 17:11
Surr: 2-Fluorobiphenyl	79.7		42-130	0	%REC	1	10/17/08 17:11
Surr: 2-Fluorophenol	74.9		26-130	0	%REC	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0030.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	78.5		42-130	0	%REC	1	10/17/08 17:11
Surr: Phenol-d5	75.8		21-134	0	%REC	1	10/17/08 17:11
Surr: Terphenyl-d14	100		24-147	0	%REC	1	10/17/08 17:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC

CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-002B

Sample wt/vol: 970 (g/mL) mL Lab File ID: N0030.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 1 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown	6.34	4.5	JB

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0030.D Vial: 12
Acq On : 17 Oct 2008 17:11 Operator: MEG
Sample : 0810110-002B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:31 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

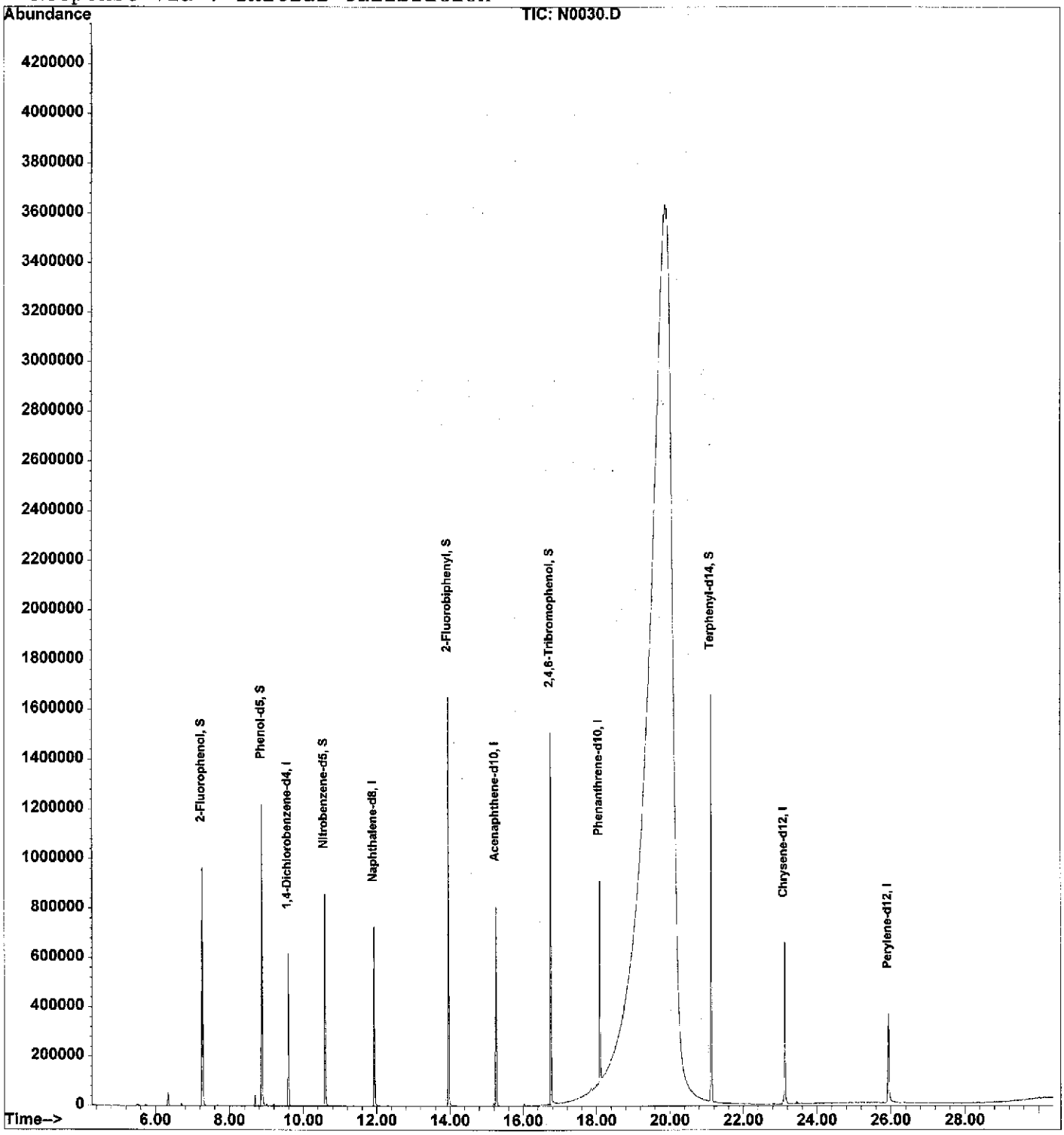
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	150365	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	519247	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	309836	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	541571	40.00	ug/mL	0.00
58) Chrysene-d12	23.14	240	430973	40.00	ug/mL	0.00
68) Perylene-d12	25.95	264	351610	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.28	112	466126	112.39	ug/mL	0.02
Spiked Amount 150.000			Recovery = 74.93%			
3) Phenol-d5	8.89	99	645549	113.74	ug/mL	0.00
Spiked Amount 150.000			Recovery = 75.83%			
14) Nitrobenzene-d5	10.60	82	469047	78.46	ug/mL	0.00
Spiked Amount 100.000			Recovery = 78.46%			
30) 2-Fluorobiphenyl	13.97	172	766597	79.69	ug/mL	0.00
Spiked Amount 100.000			Recovery = 79.69%			
46) 2,4,6-Tribromophenol	16.77	330	351146	163.23	ug/mL	0.00
Spiked Amount 150.000			Recovery = 108.82%			
60) Terphenyl-d14	21.14	244	774739	100.16	ug/mL	0.03
Spiked Amount 100.000			Recovery = 100.16%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration
N0030.D NO14OL42.M Mon Oct 20 09:31:49 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0030.D Vial: 12
Acq On : 17 Oct 2008 17:11 Operator: MEG
Sample : 0810110-002B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:31 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration



N0030.D NO14OL42.M Mon Oct 20 09:31:50 2008 P

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0030.D Vial: 12
Acq On : 17 Oct 2008 17:11 Operator: MEG
Sample : 0810110-002B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	150365	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	518810	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	309836	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	541571	40.00	ug/mL	0.00
14) Chrysene-d12	23.14	240	430973	40.00	ug/mL	0.02
15) Perylene-d12	25.95	264	351610	40.00	ug/mL	0.02

System Monitoring Compounds

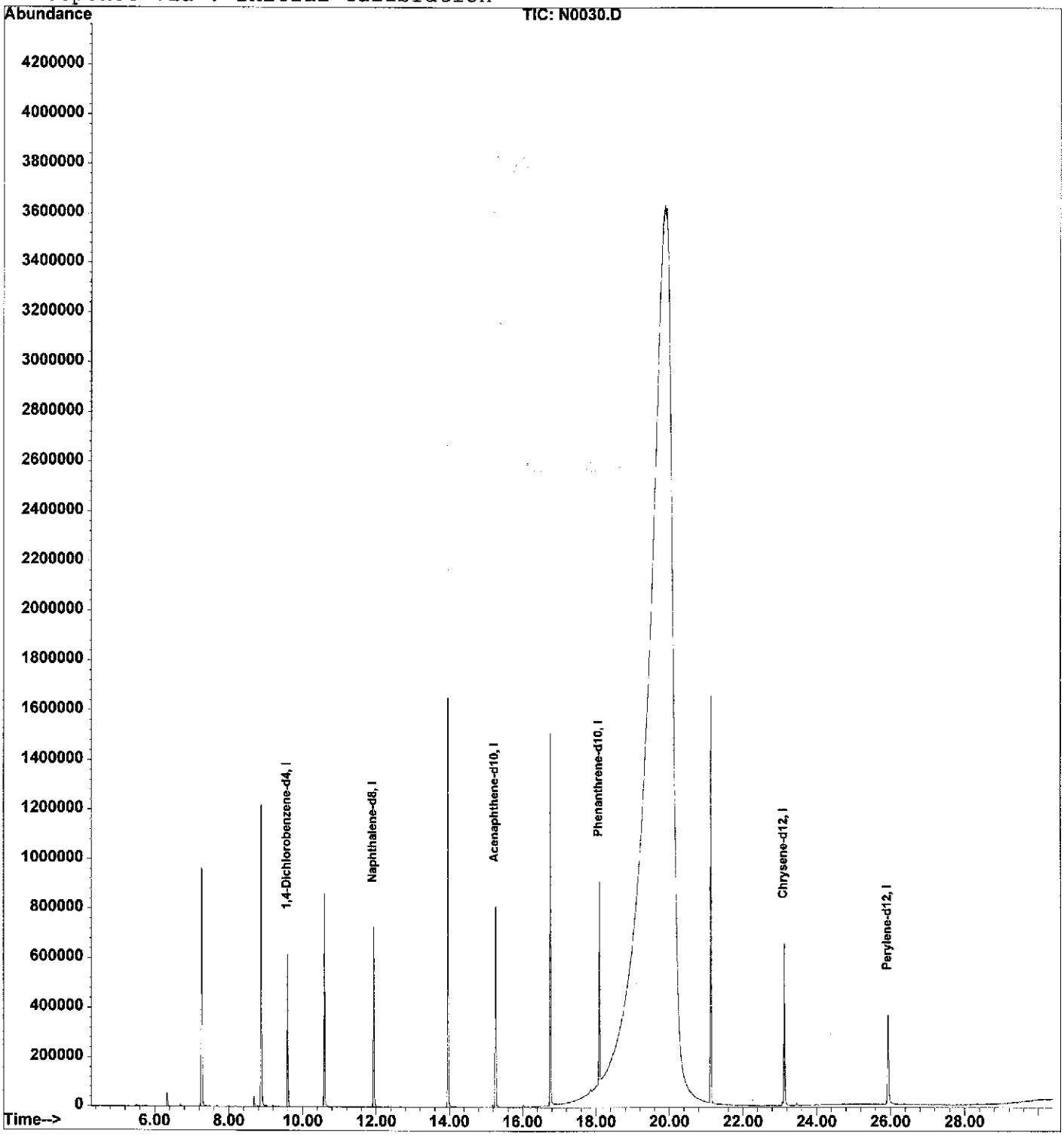
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0030.D NO14OLM.M Mon Oct 20 09:40:40 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0030.D Vial: 12
Acq On : 17 Oct 2008 17:11 Operator: MEG
Sample : 0810110-002B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



N0030.D NO14OLM.M Mon Oct 20 09:40:40 2008 P

Tentatively Identified Compound (LSC) summary

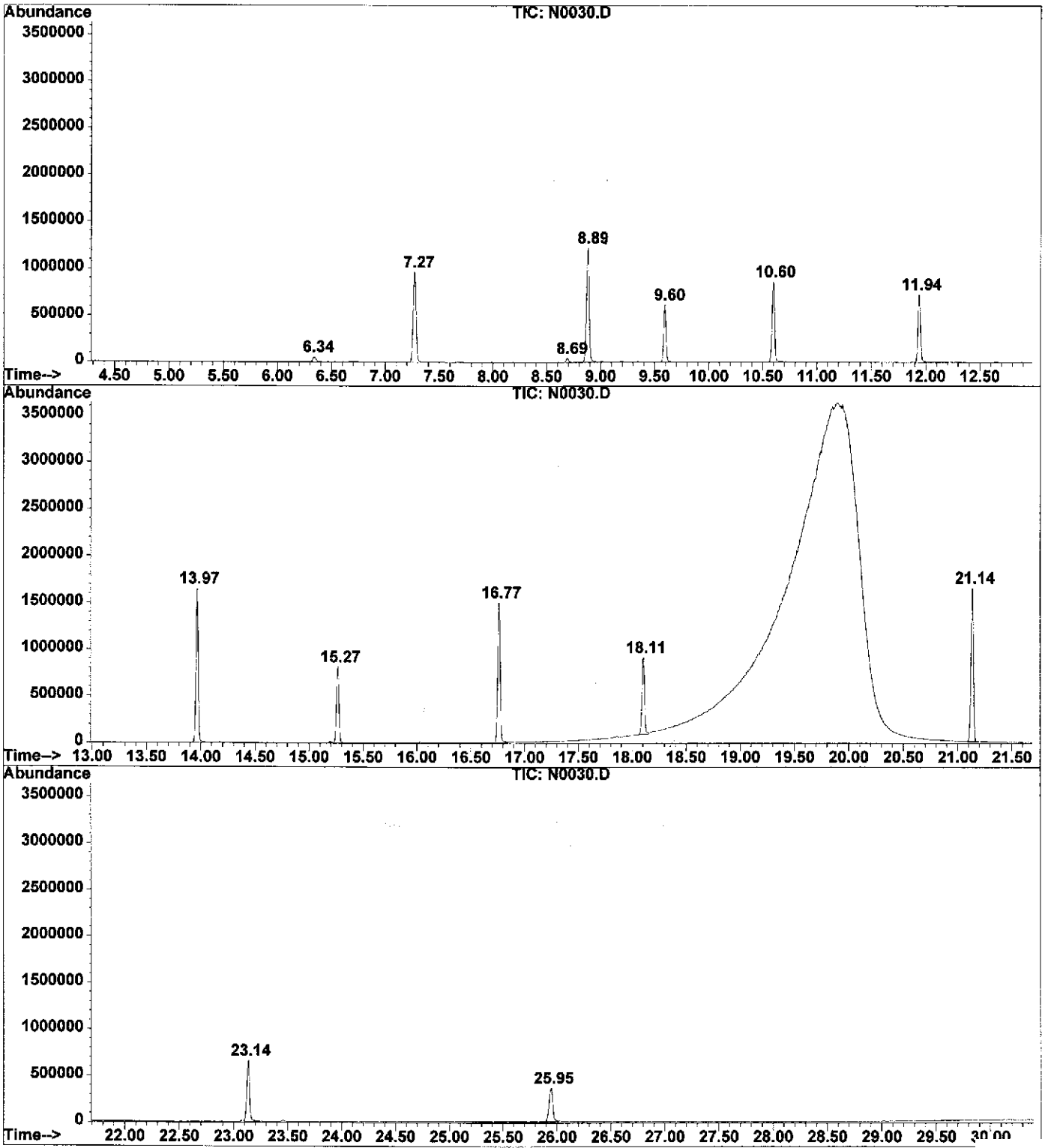
Operator ID: MEG Date Acquired: 17 Oct 2008 17:11
Data File: C:\HPCHEM\1\DATA\N0030.D
Name: 0810110-002B
Misc: SAMP,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
tert-Butyl Hydropero	6.34	4.4	ug/mL	104033	ISTD01	9.60	947727	40.0

N0030.D NO14OL42.M Tue Oct 28 13:25:44 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0030.D
Operator : MEG
Acquired : 17 Oct 2008 17:11 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: 0810110-002B
Misc Info : SAMP,8270W_OLM42,
Vial Number: 12
Quant File :NO14OL42.RES (RTE Integrator)



N0030.D NO14OL42.M Tue Oct 28 13:25:44 2008

Data File : C:\HPCHEM\1\DATA\N0030.D Vial: 12
Acq On : 17 Oct 2008 17:11 Operator: MEG
Sample : 0810110-002B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

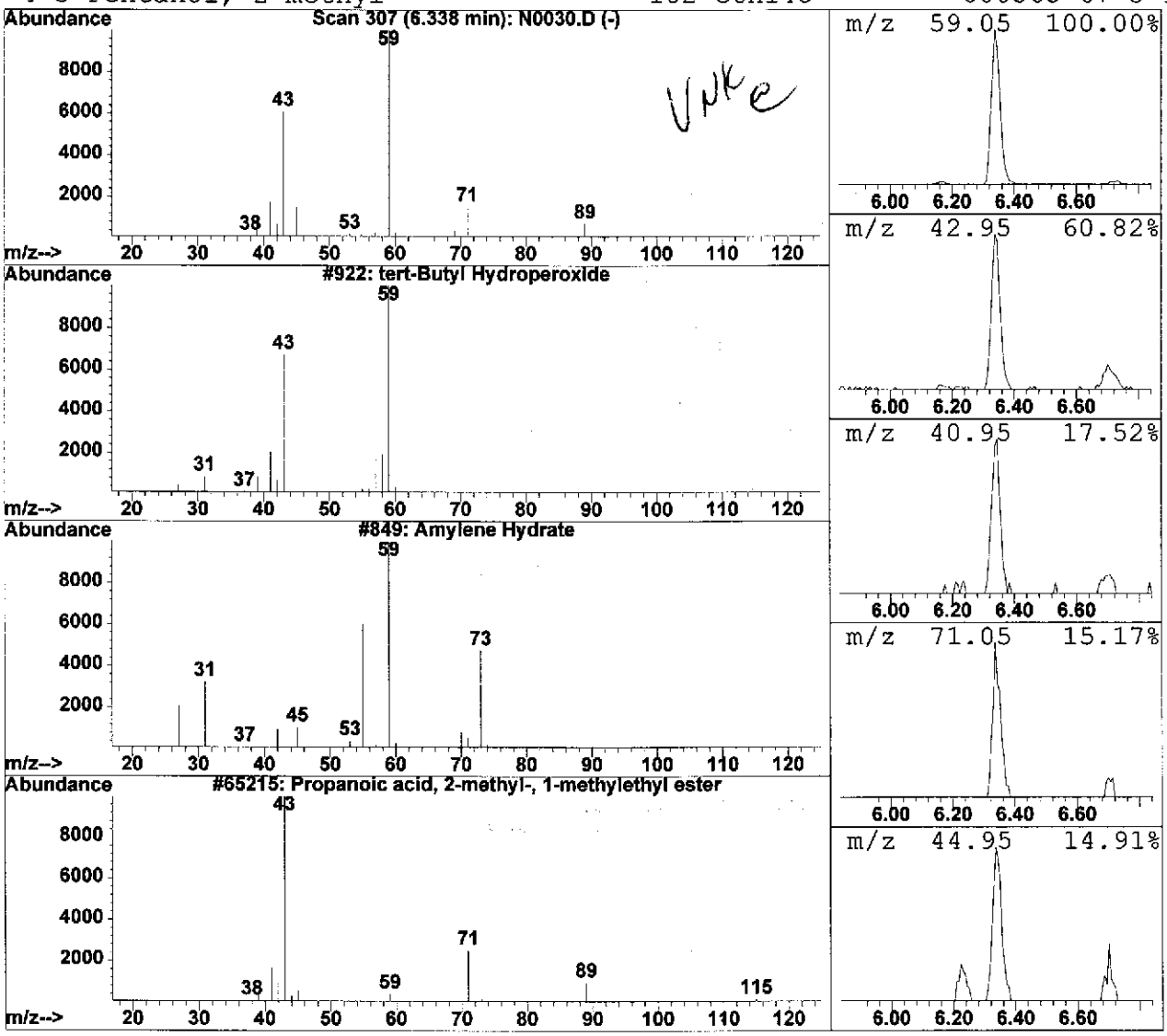
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 tert-Butyl Hydroperoxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	4.39 ug/mL	104033	1,4-Dichlorobenzene-d4	9.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	36
2	Amylene Hydrate	88	C5H12O	000075-85-4	9
3	Propanoic acid, 2-methyl-, 1-methyl	130	C7H14O2	000617-50-5	9
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 19:06
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 19:06
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 19:06
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 19:06
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 19:06
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 19:06
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:06
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:06
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 19:06
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 19:06
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 19:06
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:06
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 19:06
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 19:06
3,3'-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 19:06
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:06
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 19:06
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 19:06
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 19:06
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 19:06
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 19:06
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:06
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:06
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 19:06
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 19:06
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 19:06
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 19:06
Anthracene	ND		10	0.14	µg/L	1	10/17/08 19:06
Atrazine	ND		10	1.2	µg/L	1	10/17/08 19:06
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 19:06
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 19:06
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 19:06
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 19:06
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 19:06
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 19:06
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 19:06
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 19:06
bis(2-Ethylhexyl)phthalate	1.6	J	10	0.45	µg/L	1	10/17/08 19:06
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 19:06
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 19:06
Carbazole	ND		10	0.13	µg/L	1	10/17/08 19:06
Chrysene	ND		10	0.080	µg/L	1	10/17/08 19:06
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 19:06
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 19:06
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 19:06
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 19:06
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 19:06
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 19:06
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 19:06
Fluorene	ND		10	0.11	µg/L	1	10/17/08 19:06
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 19:06
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 19:06
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 19:06
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 19:06
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 19:06
Isophorone	ND		10	0.12	µg/L	1	10/17/08 19:06
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 19:06
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 19:06
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 19:06
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 19:06
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 19:06
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 19:06
Phenol	ND		10	0.090	µg/L	1	10/17/08 19:06
Pyrene	ND		10	0.070	µg/L	1	10/17/08 19:06
Surr: 2,4,6-Tribromophenol	114		46-149	0	%REC	1	10/17/08 19:06
Surr: 2-Fluorobiphenyl	79.8		42-130	0	%REC	1	10/17/08 19:06
Surr: 2-Fluorophenol	76.2		26-130	0	%REC	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0033.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	79.1		42-130	0	%REC	1	10/17/08 19:06
Surr: Phenol-d5	75.7		21-134	0	%REC	1	10/17/08 19:06
Surr: Terphenyl-d14	115		24-147	0	%REC	1	10/17/08 19:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-3

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0033.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 2 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (12.56)	12.56	4.9	J
2.		unknown (13.37)	13.37	4.2	J

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0033.D Vial: 15
Acq On : 17 Oct 2008 19:06 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:23 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

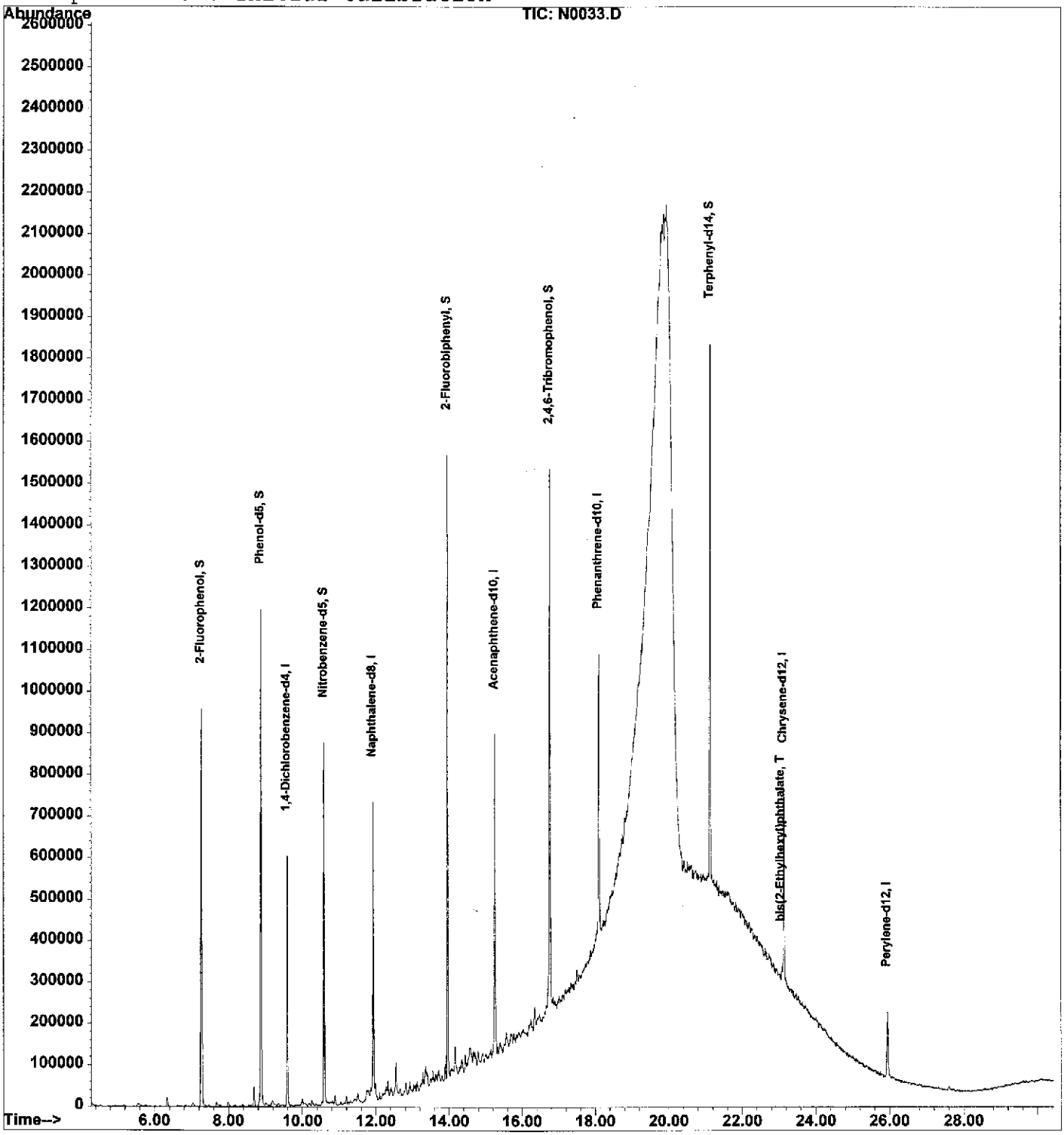
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	144560	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	506978	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	298808	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	485311	40.00	ug/mL	0.00
58) Chrysene-d12	23.15	240	293759	40.00	ug/mL	0.01
68) Perylene-d12	25.95	264	131870	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.27	112	455654	114.27	ug/mL	0.01
Spiked Amount 150.000			Recovery =	76.18%		
3) Phenol-d5	8.89	99	619308	113.50	ug/mL	0.00
Spiked Amount 150.000			Recovery =	75.67%		
14) Nitrobenzene-d5	10.60	82	461822	79.12	ug/mL	0.00
Spiked Amount 100.000			Recovery =	79.12%		
30) 2-Fluorobiphenyl	13.96	172	740696	79.84	ug/mL	0.00
Spiked Amount 100.000			Recovery =	79.84%		
46) 2,4,6-Tribromophenol	16.78	330	356250	171.71	ug/mL	0.01
Spiked Amount 150.000			Recovery =	114.47%		
60) Terphenyl-d14	21.14	244	605773	114.90	ug/mL	0.03
Spiked Amount 100.000			Recovery =	114.90%		
Target Compounds						Qvalue
64) bis(2-Ethylhexyl)phthalate	23.10	149	12527	1.65	ug/mL	88

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

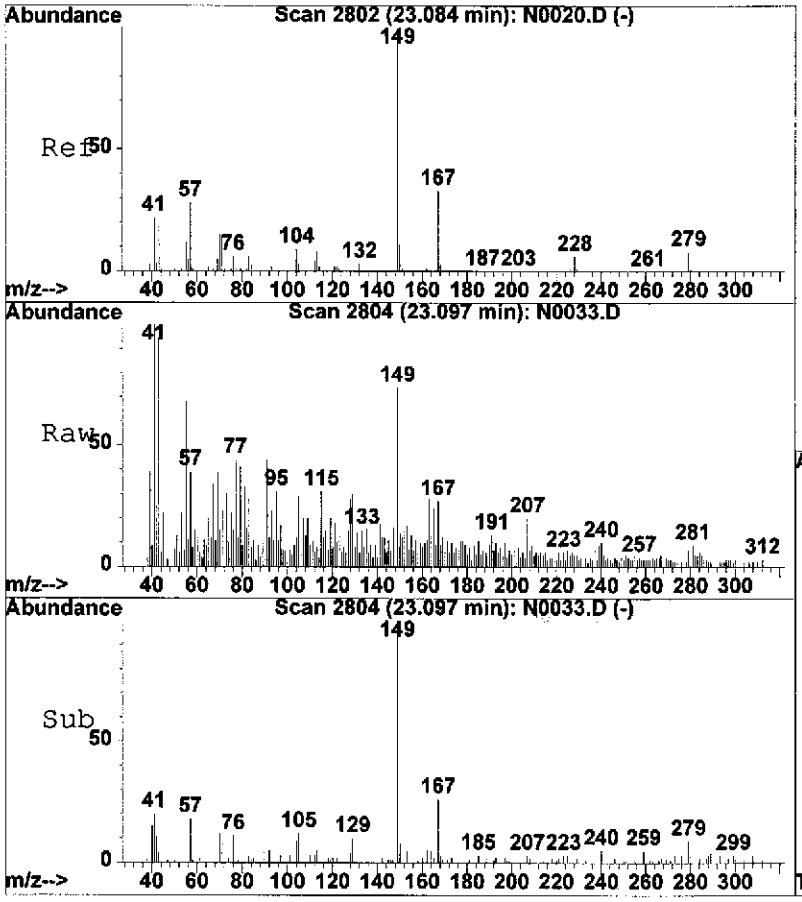
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0033.D Vial: 15
Acq On : 17 Oct 2008 19:06 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:23 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



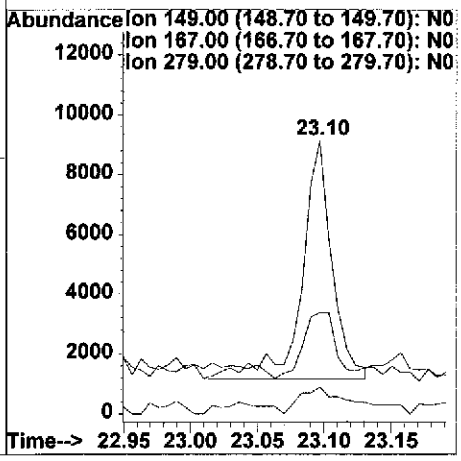
N0033.D NO14OL42.M Mon Oct 20 09:26:48 2008 P



#64
bis(2-Ethylhexyl)phthalate
Concen: 1.65 ug/mL
RT: 23.10 min Scan# 2804
Delta R.T. 0.01 min
Lab File: N0033.D
Acq: 17 Oct 2008 19:06

Tgt Ion:149 Resp: 12527

Ion	Ratio	Lower	Upper
149	100		
167	29.7	3.9	63.9
279	19.7	0.0	38.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0033.D Vial: 15
Acq On : 17 Oct 2008 19:06 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	144560	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	506559	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	298808	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	485311	40.00	ug/mL	0.01
14) Chrysene-d12	23.15	240	293673	40.00	ug/mL	0.03
15) Perylene-d12	25.95	264	131870	40.00	ug/mL	0.01

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0033.D NO14OLM.M Mon Oct 20 09:40:41 2008 P

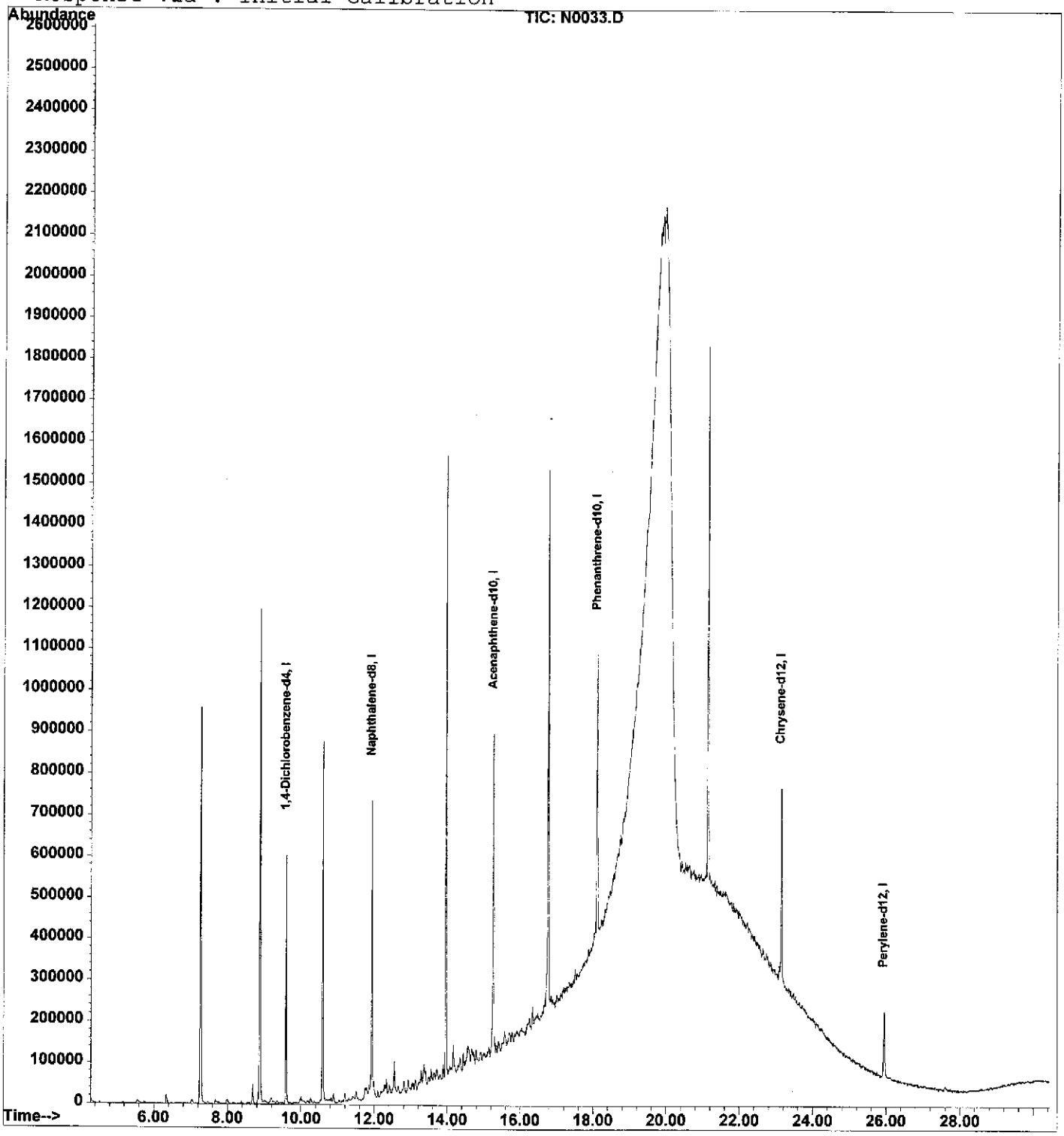
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0033.D
Acq On : 17 Oct 2008 19:06
Sample : 0810110-003B
Misc : SAMP,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 '

Vial: 15
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Tentatively Identified Compound (LSC) summary

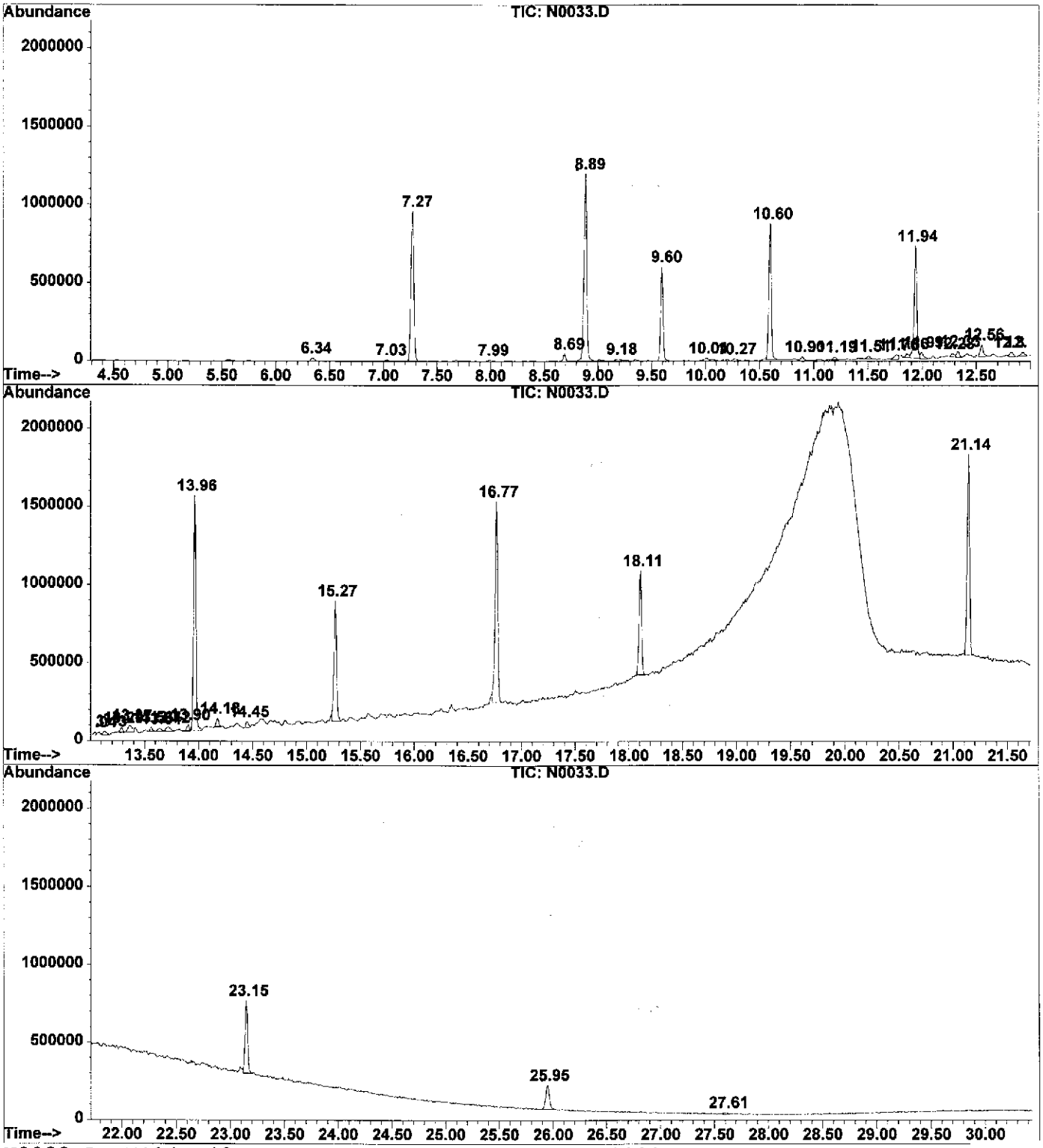
Operator ID: MEG Date Acquired: 17 Oct 2008 19:06
Data File: C:\HPCHEM\1\DATA\N0033.D
Name: 0810110-003B
Misc: SAMP,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethanone, 1-(2-furan	12.56	4.9	ug/mL	146106	ISTD02	11.94	1194580	40.0
1,2-Benzenedicarboxy	13.37	4.2	ug/mL	126751	ISTD02	11.94	1194580	40.0

N0033.D NO14OL42.M Tue Oct 28 13:25:53 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0033.D
Operator : MEG
Acquired : 17 Oct 2008 19:06 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: 0810110-003B
Misc Info : SAMP,8270W_OLM42,
Vial Number: 15
Quant File :NO14OL42.RES (RTE Integrator)



N0033.D NO14OL42.M Tue Oct 28 13:25:52 2008

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0033.D Vial: 15
Acq On : 17 Oct 2008 19:06 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

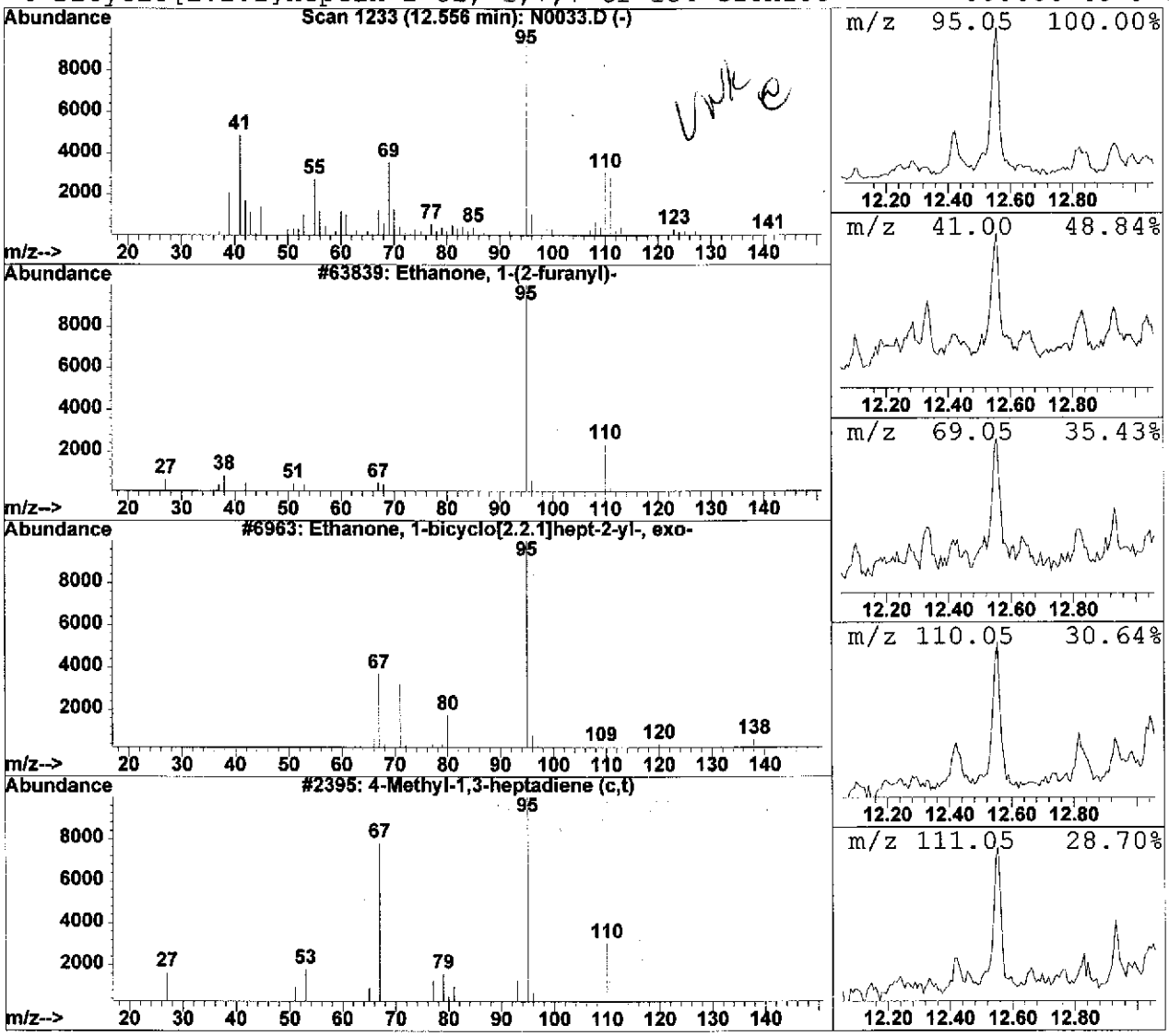
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Ethanone, 1-(2-furanyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.89 ug/mL	146106	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	40
2	Ethanone, 1-bicyclo[2.2.1]hept-2-yl	138	C9H14O	000824-59-9	37
3	4-Methyl-1,3-heptadiene (c,t)	110	C8H14	017603-57-5	36
4	Bicyclo[2.2.1]heptan-2-ol, 1,7,7-tr	154	C10H18O	000464-45-9	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0033.D Vial: 15
Acq On : 17 Oct 2008 19:06 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

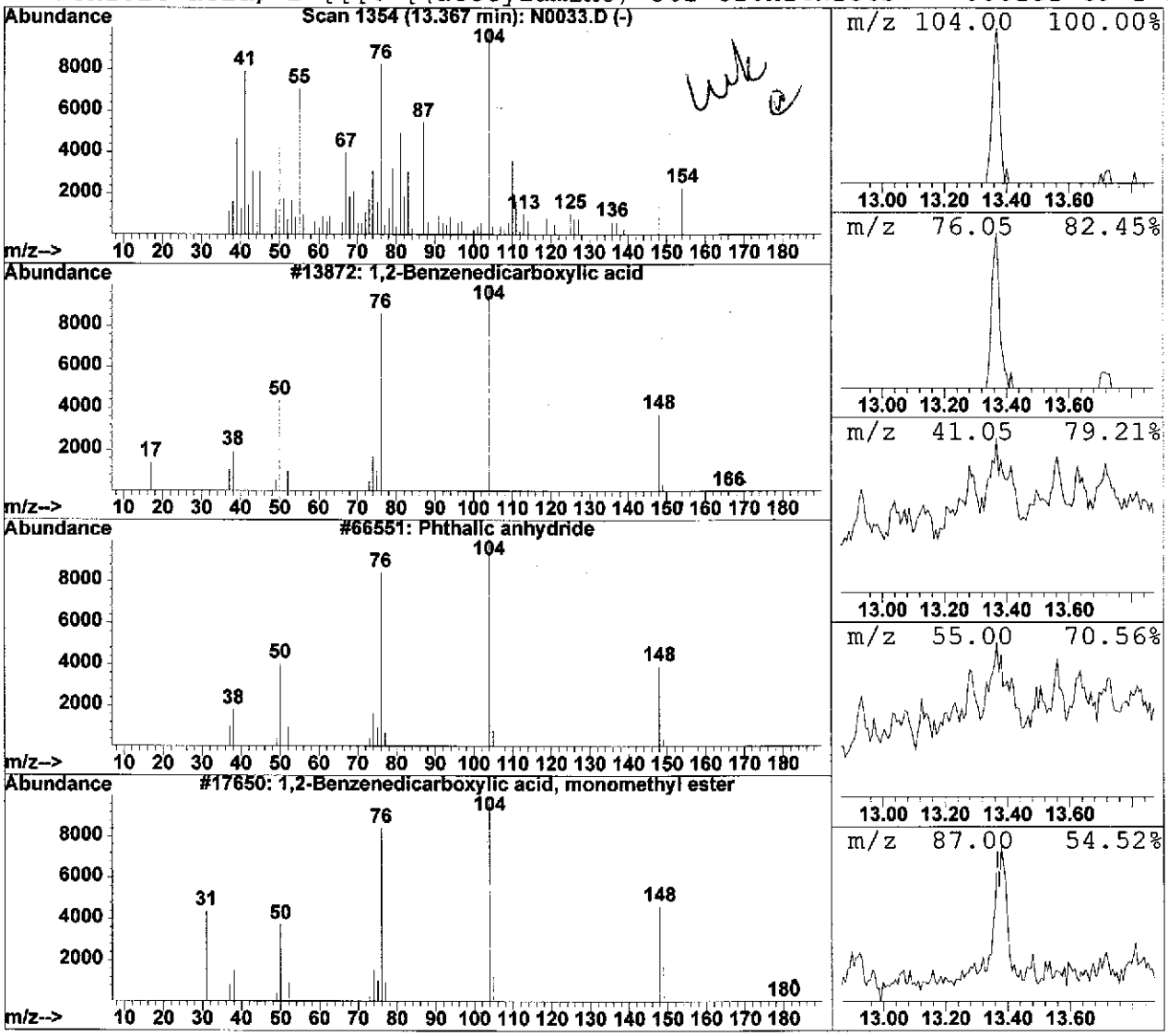
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,2-Benzenedicarboxylic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	4.24 ug/mL	126751	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	50
2	Phthalic anhydride	148	C8H4O3	000085-44-9	50
3	1,2-Benzenedicarboxylic acid, monom	180	C9H8O4	004376-18-5	39
4	Benzoic acid, 2-[[[4-[(acetylamino)	362	C16H14N2O6S	000131-69-1	38



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.8	µg/L	10	10/20/08 13:33
2,4,5-Trichlorophenol	ND		500	1.4	µg/L	10	10/20/08 13:33
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 13:33
2,4-Dichlorophenol	ND		100	0.80	µg/L	10	10/20/08 13:33
2,4-Dimethylphenol	ND		100	20	µg/L	10	10/20/08 13:33
2,4-Dinitrophenol	ND		500	100	µg/L	10	10/20/08 13:33
2,4-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 13:33
2,6-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 13:33
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 13:33
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 13:33
2-Methylnaphthalene	ND		100	0.50	µg/L	10	10/20/08 13:33
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 13:33
2-Nitroaniline	ND		500	4.0	µg/L	10	10/20/08 13:33
2-Nitrophenol	ND		100	0.70	µg/L	10	10/20/08 13:33
3,3'-Dichlorobenzidine	ND		200	12	µg/L	10	10/20/08 13:33
3-Nitroaniline	ND		500	12	µg/L	10	10/20/08 13:33
4,6-Dinitro-2-methylphenol	ND		100	20	µg/L	10	10/20/08 13:33
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 13:33
4-Chloro-3-methylphenol	ND		100	0.80	µg/L	10	10/20/08 13:33
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 13:33
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 13:33
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 13:33
4-Nitroaniline	ND		500	12	µg/L	10	10/20/08 13:33
4-Nitrophenol	ND		500	20	µg/L	10	10/20/08 13:33
Acenaphthene	ND		100	0.80	µg/L	10	10/20/08 13:33
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 13:33
Acetophenone	ND		100	3.7	µg/L	10	10/20/08 13:33
Anthracene	ND		100	1.4	µg/L	10	10/20/08 13:33
Atrazine	ND		100	12	µg/L	10	10/20/08 13:33
Benzaldehyde	ND		100	3.7	µg/L	10	10/20/08 13:33
Benzo[a]anthracene	ND		100	0.80	µg/L	10	10/20/08 13:33
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 13:33
Benzo[b]fluoranthene	ND		100	5.0	µg/L	10	10/20/08 13:33
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.3	µg/L	10	10/20/08 13:33
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 13:33
bis(2-chloroethyl)ether	ND		100	0.40	µg/L	10	10/20/08 13:33
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 13:33
bis(2-Ethylhexyl)phthalate	ND		100	4.5	µg/L	10	10/20/08 13:33
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 13:33
Caprolactam	ND		100	12	µg/L	10	10/20/08 13:33
Carbazole	ND		100	1.3	µg/L	10	10/20/08 13:33
Chrysene	ND		100	0.80	µg/L	10	10/20/08 13:33
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 13:33
Di-n-octyl phthalate	ND		100	1.8	µg/L	10	10/20/08 13:33
Dibenz[a,h]anthracene	ND		100	0.90	µg/L	10	10/20/08 13:33
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 13:33
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 13:33
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 13:33
Fluoranthene	ND		100	0.60	µg/L	10	10/20/08 13:33
Fluorene	ND		100	1.1	µg/L	10	10/20/08 13:33
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 13:33
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 13:33
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 13:33
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 13:33
Indeno[1,2,3-cd]pyrene	ND		100	0.90	µg/L	10	10/20/08 13:33
Isophorone	ND		100	1.2	µg/L	10	10/20/08 13:33
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 13:33
N-Nitrosodiphenylamine	ND		100	0.80	µg/L	10	10/20/08 13:33
Naphthalene	ND		100	0.60	µg/L	10	10/20/08 13:33
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 13:33
Pentachlorophenol	ND		500	50	µg/L	10	10/20/08 13:33
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 13:33
Phenol	ND		100	0.90	µg/L	10	10/20/08 13:33
Pyrene	ND		100	0.70	µg/L	10	10/20/08 13:33
Surr: 2,4,6-Tribromophenol	99.9		46-149	0	%REC	10	10/20/08 13:33
Surr: 2-Fluorobiphenyl	78.7		42-130	0	%REC	10	10/20/08 13:33
Surr: 2-Fluorophenol	78.9		26-130	0	%REC	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-3***
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0046.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	78.3		42-130	0	%REC	10	10/20/08 13:33
Surr: Phenol-d5	81.5		21-134	0	%REC	10	10/20/08 13:33
Surr: Terphenyl-d14	92.2		24-147	0	%REC	10	10/20/08 13:33

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0046.D Vial: 10
Acq On : 20 Oct 2008 13:33 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

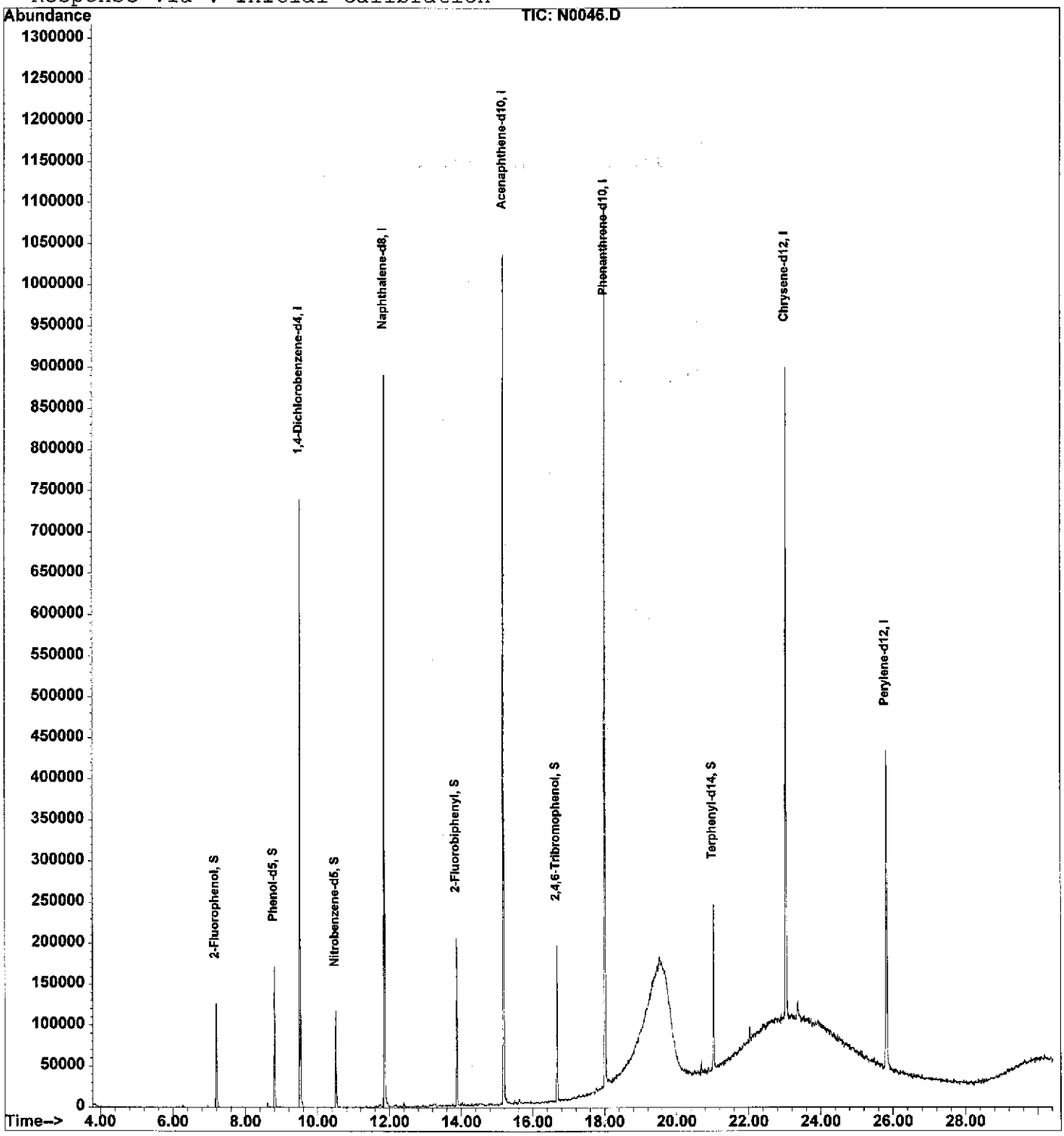
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	182322	40.00	ug/mL	0.00
13) Naphthalene-d8	11.87	136	648314	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.19	164	381593	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.02	188	668426	40.00	ug/mL	0.00
58) Chrysene-d12	23.06	240	493821	40.00	ug/mL	0.00
68) Perylene-d12	25.83	264	315785	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.21	112	59567	11.84	ug/mL	0.00
Spiked Amount 150.000			Recovery =	7.89%		
3) Phenol-d5	8.81	99	84073	12.22	ug/mL	-0.01
Spiked Amount 150.000			Recovery =	8.15%		
14) Nitrobenzene-d5	10.52	82	58470	7.83	ug/mL	0.00
Spiked Amount 100.000			Recovery =	7.83%		
30) 2-Fluorobiphenyl	13.88	172	93239	7.87	ug/mL	0.00
Spiked Amount 100.000			Recovery =	7.87%		
46) 2,4,6-Tribromophenol	16.68	330	39718	14.99	ug/mL	0.00
Spiked Amount 150.000			Recovery =	9.99%		
60) Terphenyl-d14	21.04	244	81729	9.22	ug/mL	0.00
Spiked Amount 100.000			Recovery =	9.22%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration
N0046.D NO14OL42.M Tue Oct 21 12:51:08 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0046.D Vial: 10
Acq On : 20 Oct 2008 13:33 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration



N0046.D NO14OL42.M Tue Oct 21 12:51:09 2008 P

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0046.D Vial: 10
Acq On : 20 Oct 2008 13:33 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	182322	40.00	ug/mL	0.01
5) Naphthalene-d8	11.87	136	648314	40.00	ug/mL	0.01
7) Acenaphthene-d10	15.19	164	381800	40.00	ug/mL	0.01
11) Phenanthrene-d10	18.02	188	668426	40.00	ug/mL	0.01
14) Chrysene-d12	23.06	240	493821	40.00	ug/mL	0.02
15) Perylene-d12	25.83	264	315785	40.00	ug/mL	0.01

System Monitoring Compounds

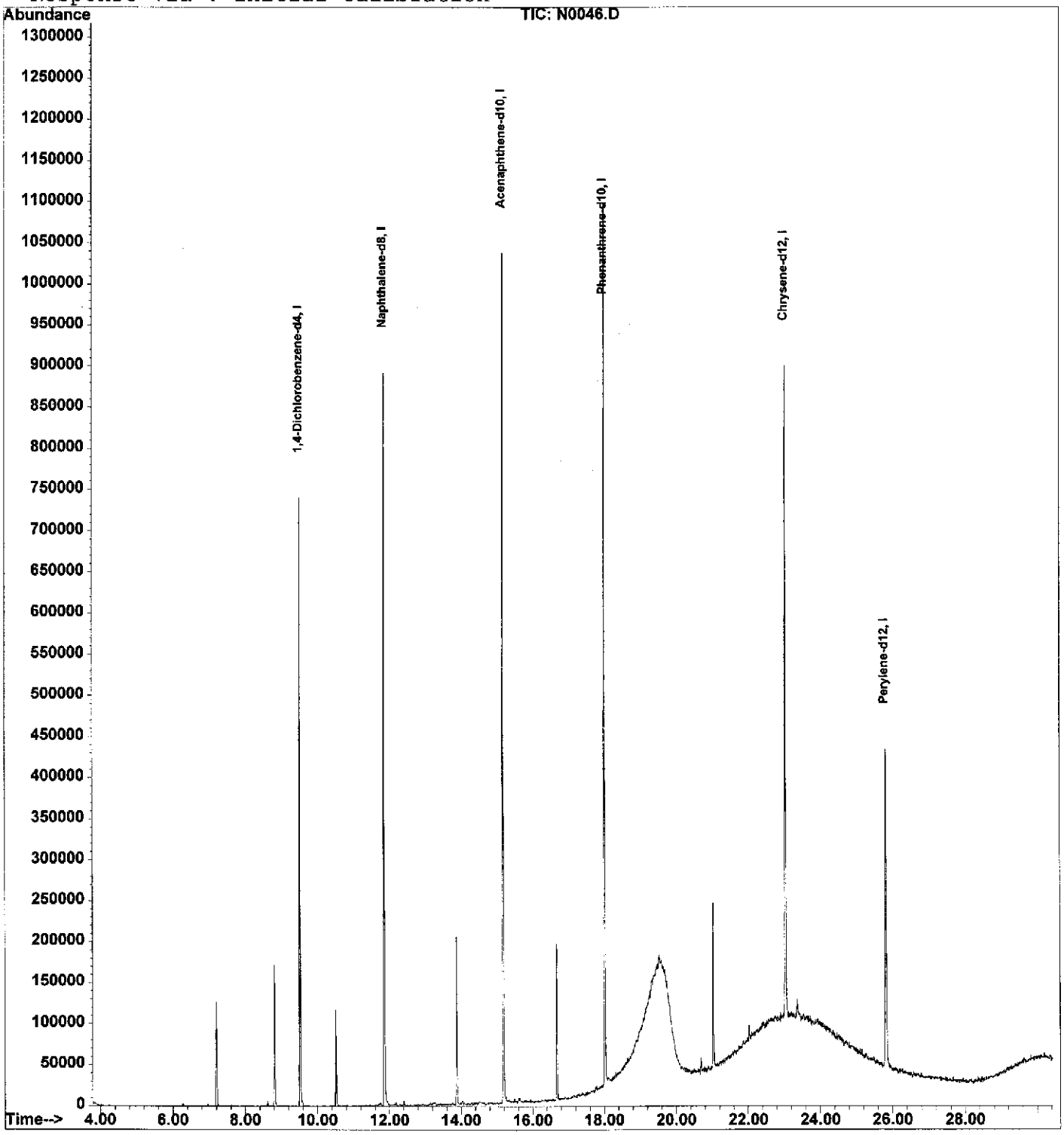
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0046.D NO14OLM.M Tue Oct 21 12:33:14 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0046.D Vial: 10
Acq On : 20 Oct 2008 13:33 Operator: MEG
Sample : 0810110-003B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		10	0.38	µg/L	1	10/17/08 19:45
2,4,5-Trichlorophenol	ND		50	0.14	µg/L	1	10/17/08 19:45
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 19:45
2,4-Dichlorophenol	ND		10	0.080	µg/L	1	10/17/08 19:45
2,4-Dimethylphenol	ND		10	2.0	µg/L	1	10/17/08 19:45
2,4-Dinitrophenol	ND		50	10	µg/L	1	10/17/08 19:45
2,4-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:45
2,6-Dinitrotoluene	ND		10	0.40	µg/L	1	10/17/08 19:45
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 19:45
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 19:45
2-Methylnaphthalene	ND		10	0.050	µg/L	1	10/17/08 19:45
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:45
2-Nitroaniline	ND		50	0.40	µg/L	1	10/17/08 19:45
2-Nitrophenol	ND		10	0.070	µg/L	1	10/17/08 19:45
3,3'-Dichlorobenzidine	ND		20	1.2	µg/L	1	10/17/08 19:45
3-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:45
4,6-Dinitro-2-methylphenol	ND		10	2.0	µg/L	1	10/17/08 19:45
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 19:45
4-Chloro-3-methylphenol	ND		10	0.080	µg/L	1	10/17/08 19:45
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 19:45
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 19:45
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 19:45
4-Nitroaniline	ND		50	1.2	µg/L	1	10/17/08 19:45
4-Nitrophenol	ND		50	2.0	µg/L	1	10/17/08 19:45
Acenaphthene	ND		10	0.080	µg/L	1	10/17/08 19:45
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 19:45
Acetophenone	ND		10	0.37	µg/L	1	10/17/08 19:45
Anthracene	ND		10	0.14	µg/L	1	10/17/08 19:45
Atrazine	ND		10	1.2	µg/L	1	10/17/08 19:45
Benzaldehyde	ND		10	0.37	µg/L	1	10/17/08 19:45
Benzo[a]anthracene	ND		10	0.080	µg/L	1	10/17/08 19:45
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 19:45
Benzo[b]fluoranthene	ND		10	0.50	µg/L	1	10/17/08 19:45
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.33	µg/L	1	10/17/08 19:45
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 19:45
bis(2-chloroethyl)ether	ND		10	0.040	µg/L	1	10/17/08 19:45
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 19:45
bis(2-Ethylhexyl)phthalate	1.9	J	10	0.45	µg/L	1	10/17/08 19:45
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 19:45
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 19:45
Carbazole	ND		10	0.13	µg/L	1	10/17/08 19:45
Chrysene	ND		10	0.080	µg/L	1	10/17/08 19:45
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 19:45
Di-n-octyl phthalate	ND		10	0.18	µg/L	1	10/17/08 19:45
Dibenz[a,h]anthracene	ND		10	0.090	µg/L	1	10/17/08 19:45
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 19:45
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 19:45
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 19:45
Fluoranthene	ND		10	0.060	µg/L	1	10/17/08 19:45
Fluorene	ND		10	0.11	µg/L	1	10/17/08 19:45
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 19:45
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 19:45
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 19:45
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 19:45
Indeno[1,2,3-cd]pyrene	ND		10	0.090	µg/L	1	10/17/08 19:45
Isophorone	ND		10	0.12	µg/L	1	10/17/08 19:45
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 19:45
N-Nitrosodiphenylamine	ND		10	0.080	µg/L	1	10/17/08 19:45
Naphthalene	ND		10	0.060	µg/L	1	10/17/08 19:45
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 19:45
Pentachlorophenol	ND		50	5.0	µg/L	1	10/17/08 19:45
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 19:45
Phenol	ND		10	0.090	µg/L	1	10/17/08 19:45
Pyrene	ND		10	0.070	µg/L	1	10/17/08 19:45
Surr: 2,4,6-Tribromophenol	117		46-149	0	%REC	1	10/17/08 19:45
Surr: 2-Fluorobiphenyl	85.8		42-130	0	%REC	1	10/17/08 19:45
Surr: 2-Fluorophenol	76.7		26-130	0	%REC	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0034.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	86.0		42-130	0	%REC	1	10/17/08 19:45
Surr: Phenol-d5	76.6		21-134	0	%REC	1	10/17/08 19:45
Surr: Terphenyl-d14	118		24-147	0	%REC	1	10/17/08 19:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-004B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0034.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 5 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (11.77)	11.77	4.2	J
2.		unknown (11.81)	11.81	4.2	J
3.		unknown (12.83)	12.83	4.8	J
4.		unknown (13.36)	13.36	4.8	J
5.		unknown (14.59)	14.59	5.3	J

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:32 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

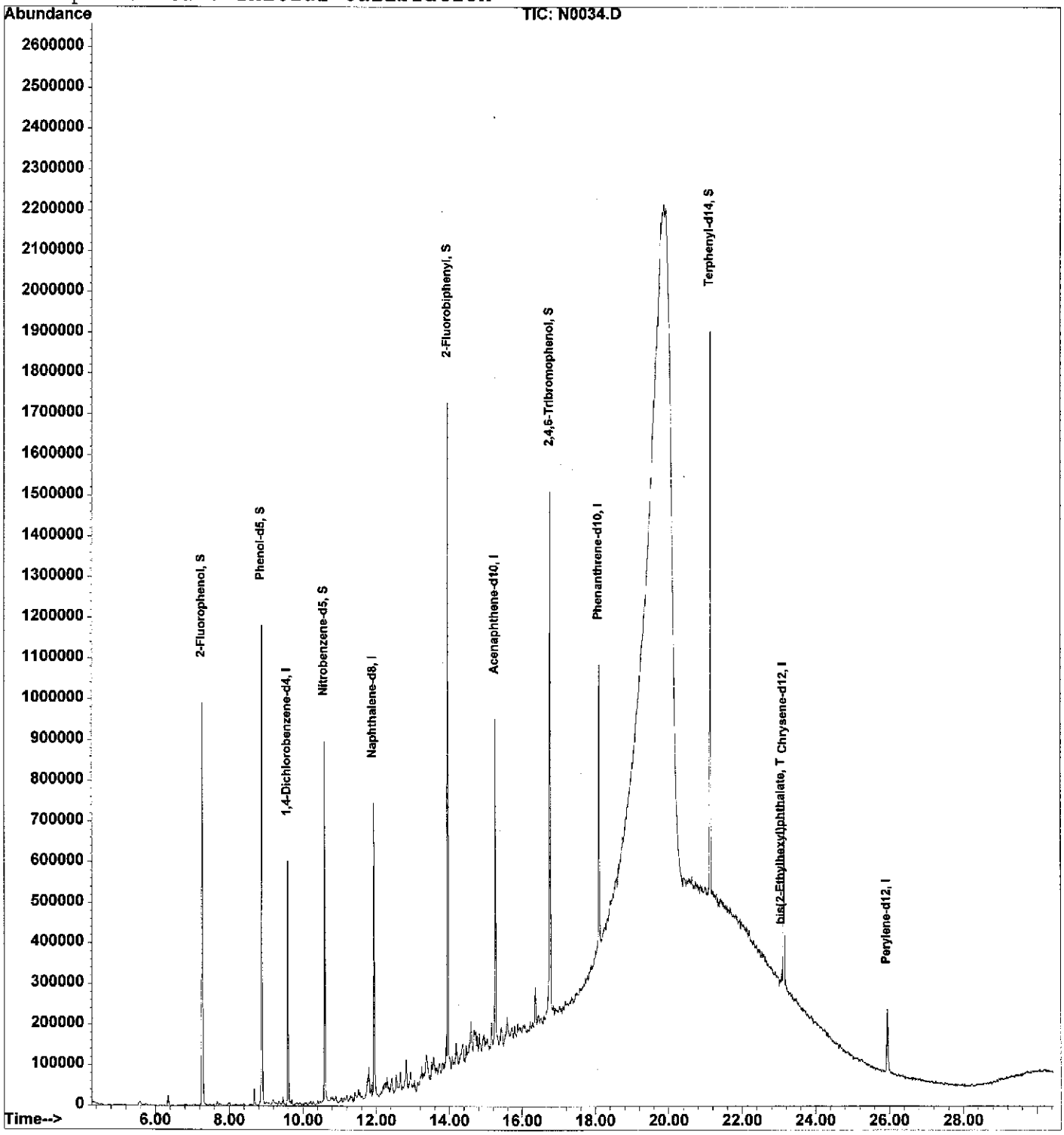
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	144321	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	490413	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	295728	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	479718	40.00	ug/mL	0.00
58) Chrysene-d12	23.15	240	293485	40.00	ug/mL	0.02
68) Perylene-d12	25.95	264	132963	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.28	112	458145	115.09	ug/mL	0.02
Spiked Amount 150.000			Recovery = 76.73%			
3) Phenol-d5	8.89	99	626308	114.97	ug/mL	0.02
Spiked Amount 150.000			Recovery = 76.65%			
14) Nitrobenzene-d5	10.61	82	485418	85.97	ug/mL	0.00
Spiked Amount 100.000			Recovery = 85.97%			
30) 2-Fluorobiphenyl	13.97	172	787596	85.78	ug/mL	0.00
Spiked Amount 100.000			Recovery = 85.78%			
46) 2,4,6-Tribromophenol	16.78	330	359074	174.87	ug/mL	0.02
Spiked Amount 150.000			Recovery = 116.58%			
60) Terphenyl-d14	21.15	244	621476	117.99	ug/mL	0.04
Spiked Amount 100.000			Recovery = 117.99%			
Target Compounds						Qvalue
64) bis(2-Ethylhexyl)phthalate	23.09	149	14633	1.93	ug/mL	93

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

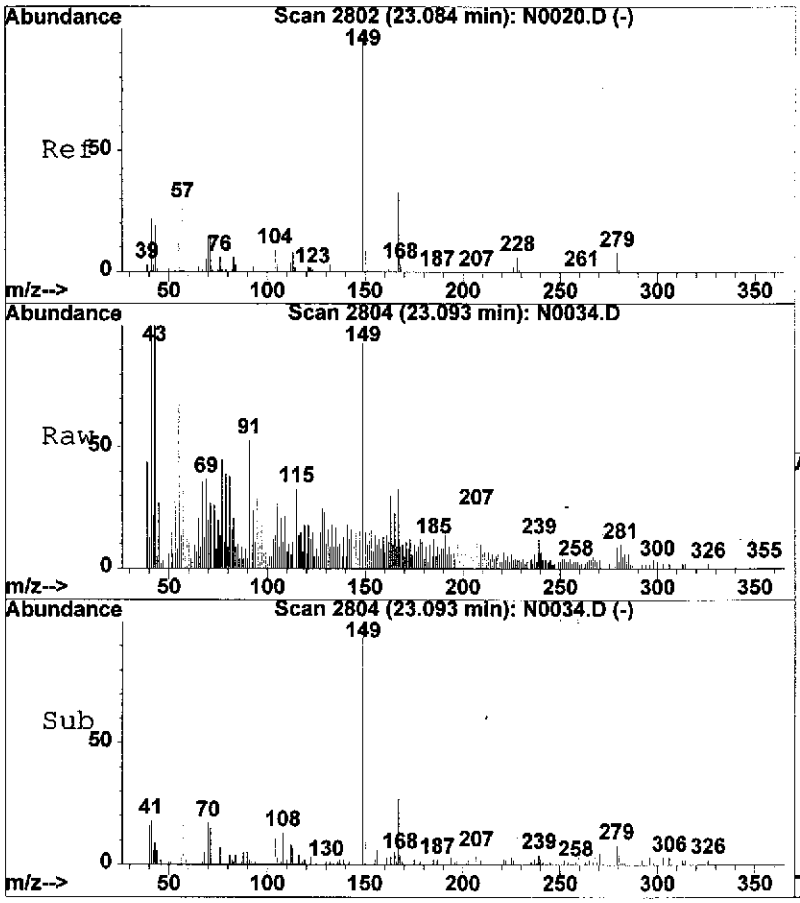
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:32 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration



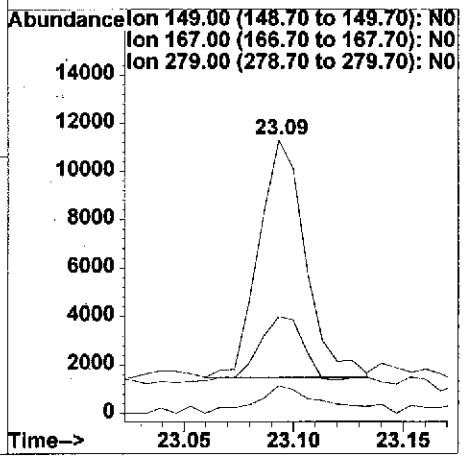
N0034.D NO14OL42.M Mon Oct 20 09:32:56 2008 P



#64
bis(2-Ethylhexyl)phthalate
Concen: 1.93 ug/mL
RT: 23.09 min Scan# 2804
Delta R.T. 0.01 min
Lab File: N0034.D
Acq: 17 Oct 2008 19:45

Tgt Ion:149 Resp: 14633

Ion	Ratio	Lower	Upper
149	100		
167	32.3	3.9	63.9
279	16.7	0.0	38.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0034.D
Acq On : 17 Oct 2008 19:45
Sample : 0810110-004B
Misc : SAMP,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:39 2008

Vial: 16
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	144321	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	490413	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	295728	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	479718	40.00	ug/mL	0.02
14) Chrysene-d12	23.15	240	293485	40.00	ug/mL	0.03
15) Perylene-d12	25.95	264	132963	40.00	ug/mL	0.02

System Monitoring Compounds

Target Compounds

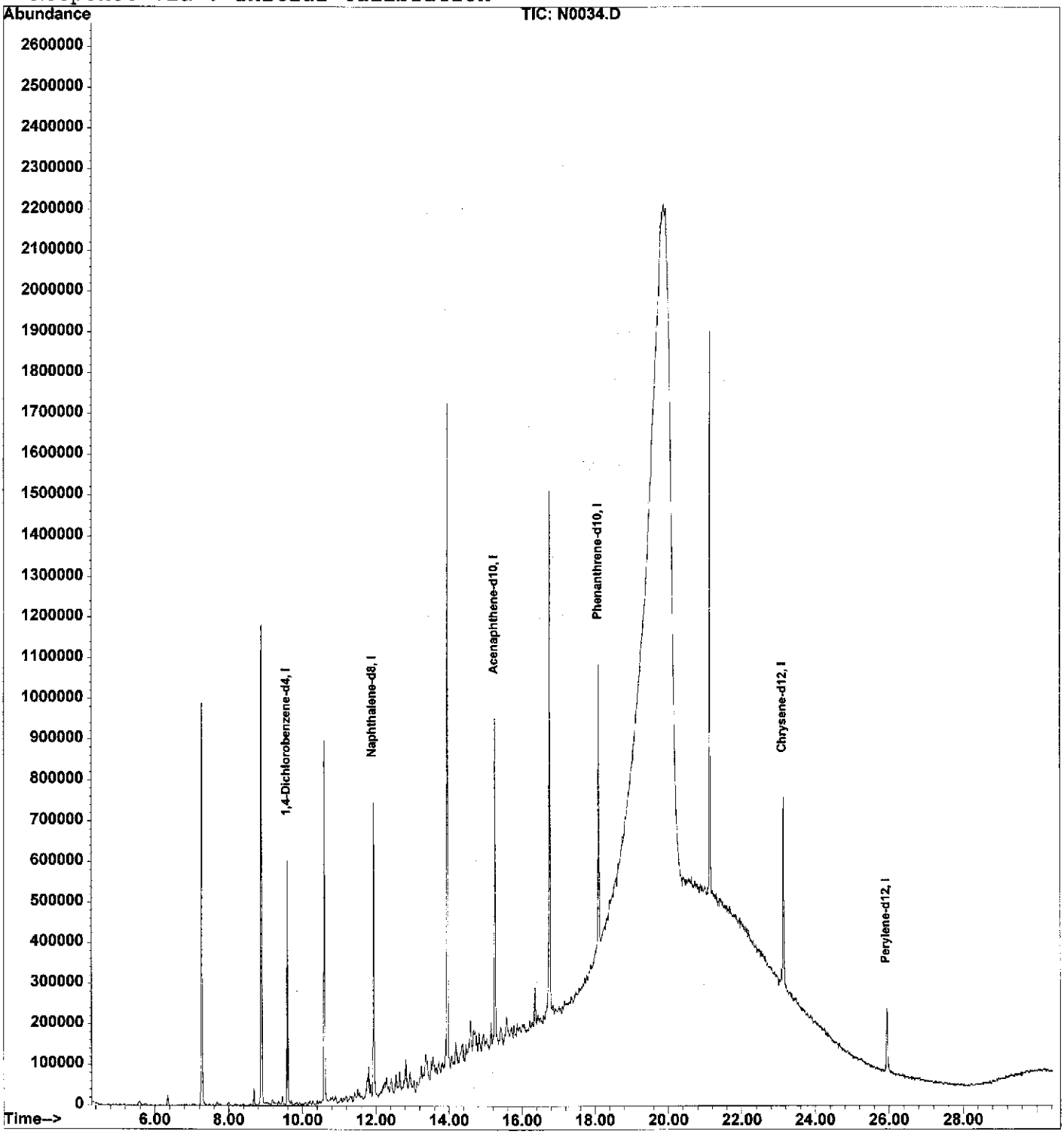
Qvalue

(#) = qualifier out of range (m) = manual integration
N0034.D NO14OLM.M Mon Oct 20 09:40:43 2008

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:39 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Tentatively Identified Compound (LSC) summary

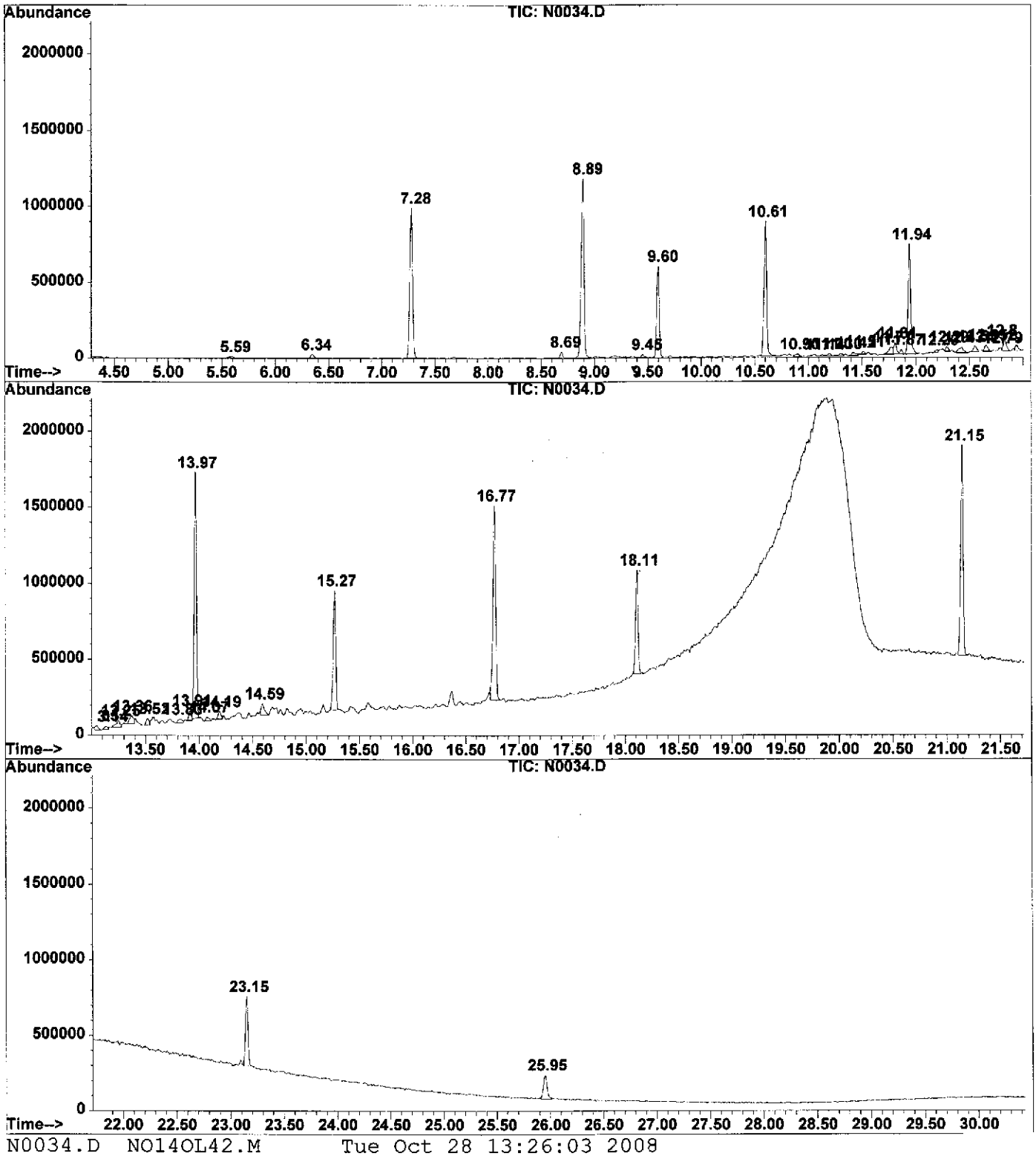
Operator ID: MEG Date Acquired: 17 Oct 2008 19:45
Data File: C:\HPCHEM\1\DATA\N0034.D
Name: 0810110-004B
Misc: SAMP,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
1,4-Hexadiene, 4-met	11.77	4.2	ug/mL	129296	ISTD02	11.94	1216970	40.0
trans-2,3-Epoxydecan	11.81	4.2	ug/mL	129287	ISTD02	11.94	1216970	40.0
2,4-Hexadiene, 3,4-d	12.83	4.8	ug/mL	145577	ISTD02	11.94	1216970	40.0
4-Methyl-1,4-heptadi	13.36	4.8	ug/mL	144830	ISTD02	11.94	1216970	40.0
Allylidenecyclohexan	14.59	5.3	ug/mL	165058	ISTD03	15.27	1245660	40.0

N0034.D NO14OL42.M Tue Oct 28 13:26:06 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0034.D
Operator : MEG
Acquired : 17 Oct 2008 19:45 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: 0810110-004B
Misc Info : SAMP,8270W_OLM42,
Vial Number: 16
Quant File :NO14OL42.RES (RTE Integrator)



N0034.D NO14OL42.M Tue Oct 28 13:26:03 2008

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

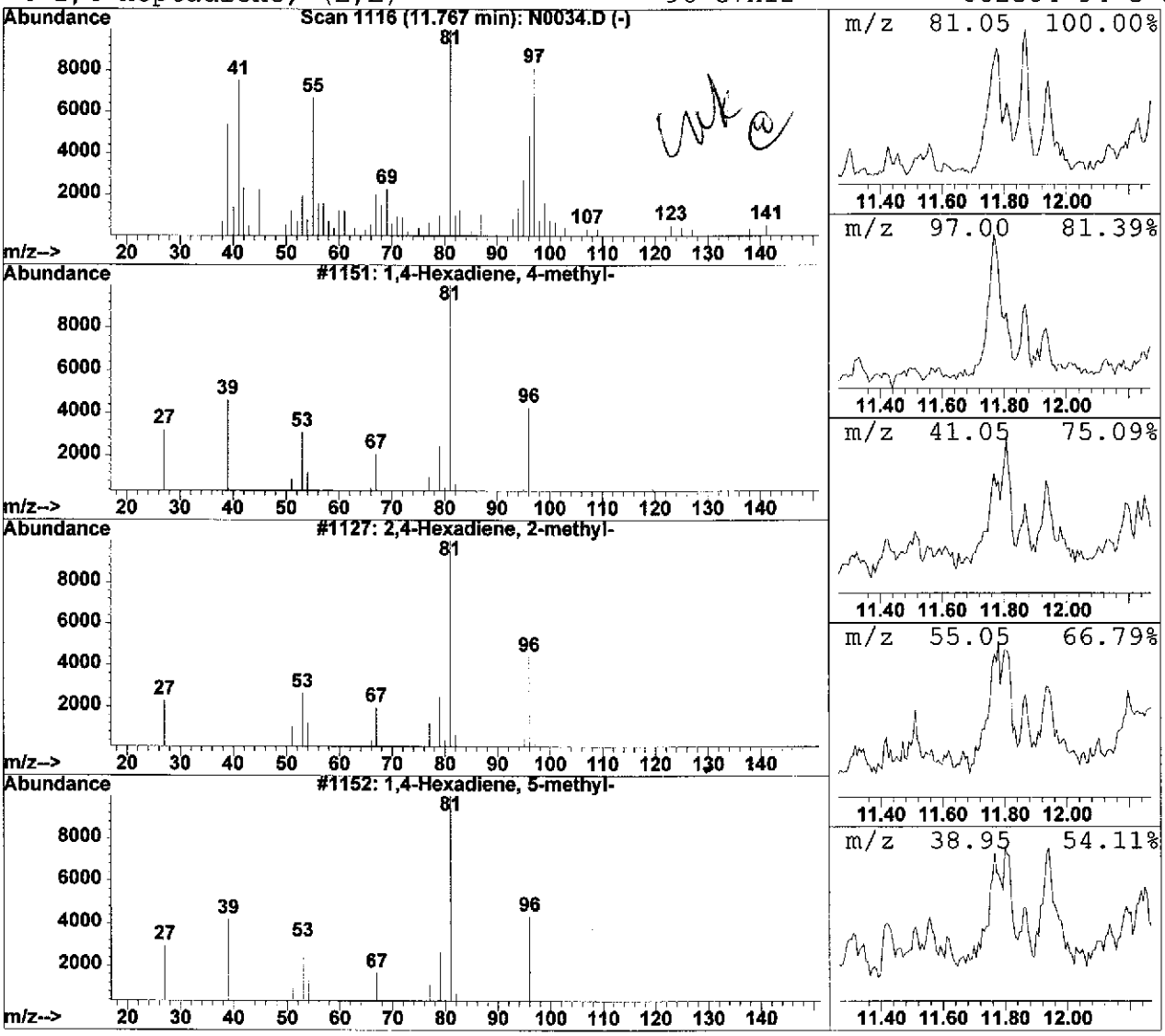
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Hexadiene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.25 ug/mL	129296	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	38
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	38
3	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	38
4	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	32



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0034.D
Acq On : 17 Oct 2008 19:45
Sample : 0810110-004B
Misc : SAMP,8270W_OLM42,
MS Integration Params: LSCINT.P

Vial: 16
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

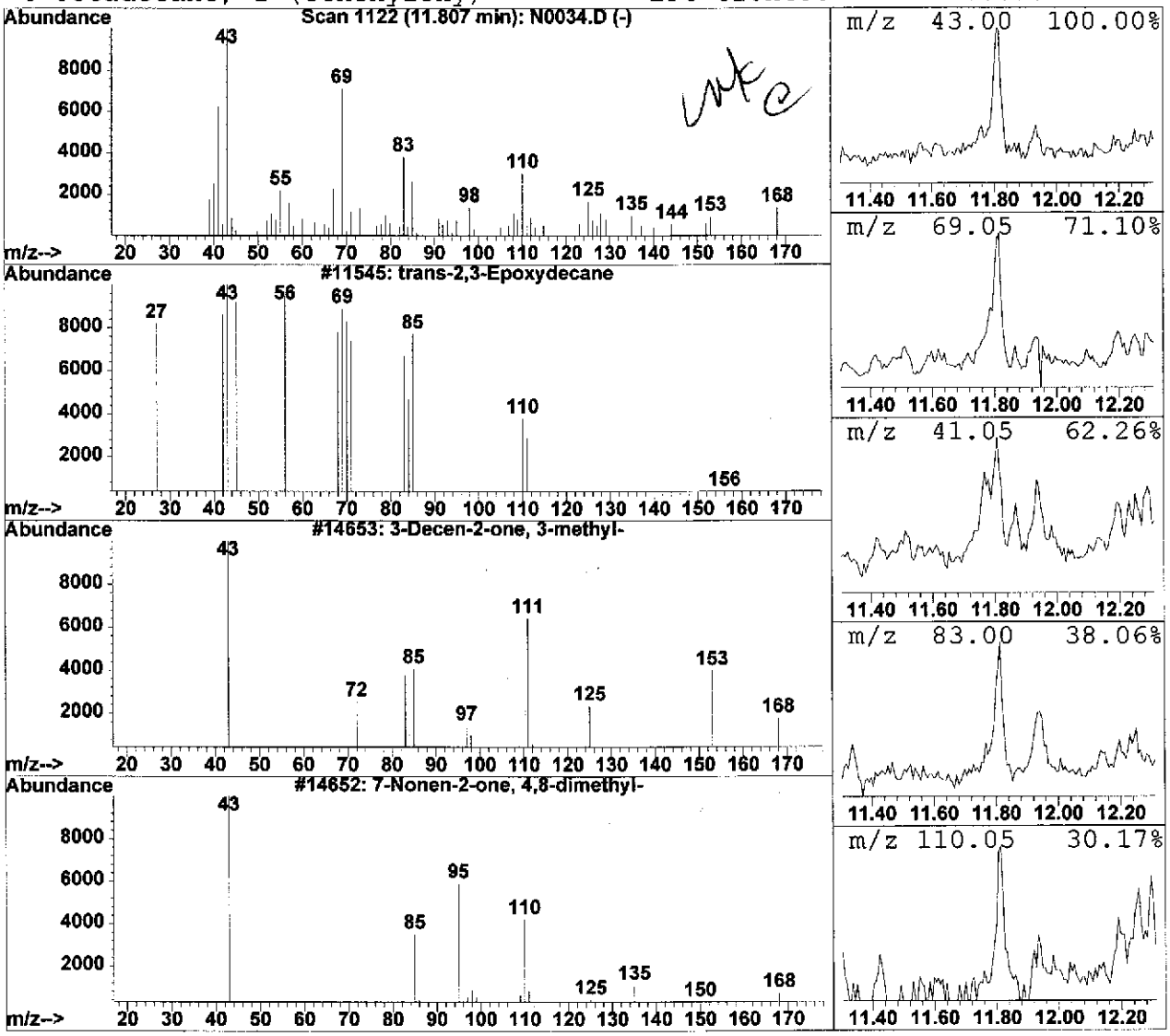
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 trans-2,3-Epoxydecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	4.25 ug/mL	129287	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	38
2	3-Decen-2-one, 3-methyl-	168	C11H20O	054411-03-9	17
3	7-Nonen-2-one, 4,8-dimethyl-	168	C11H20O	003664-64-0	12
4	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

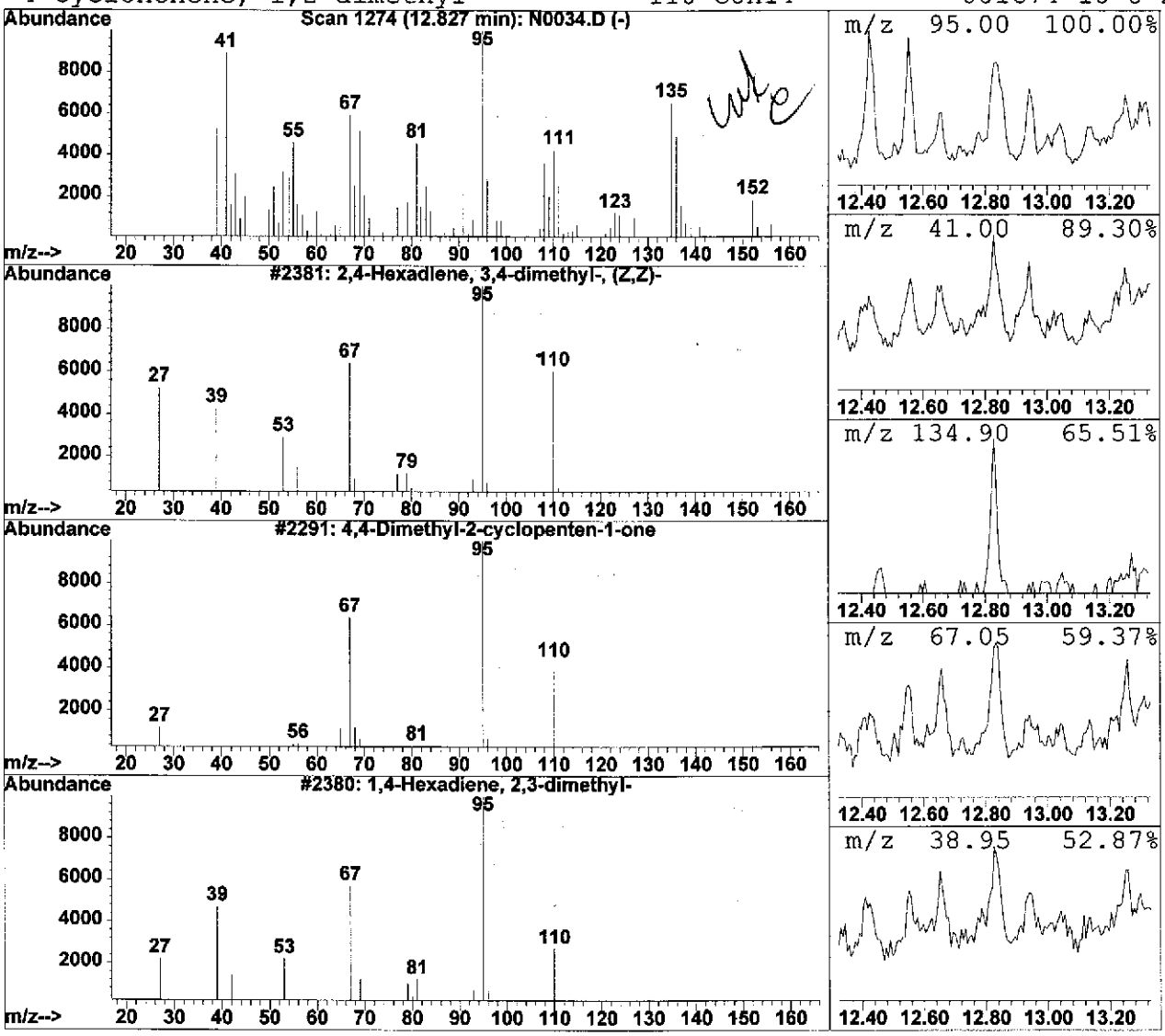
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2,4-Hexadiene, 3,4-dimethyl-, Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	4.78 ug/mL	145577	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 3,4-dimethyl-, (Z,Z)	110	C8H14	021293-01-6	43
2	4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	38
3	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	27
4	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0034.D Vial: 16
Acq On : 17 Oct 2008 19:45 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

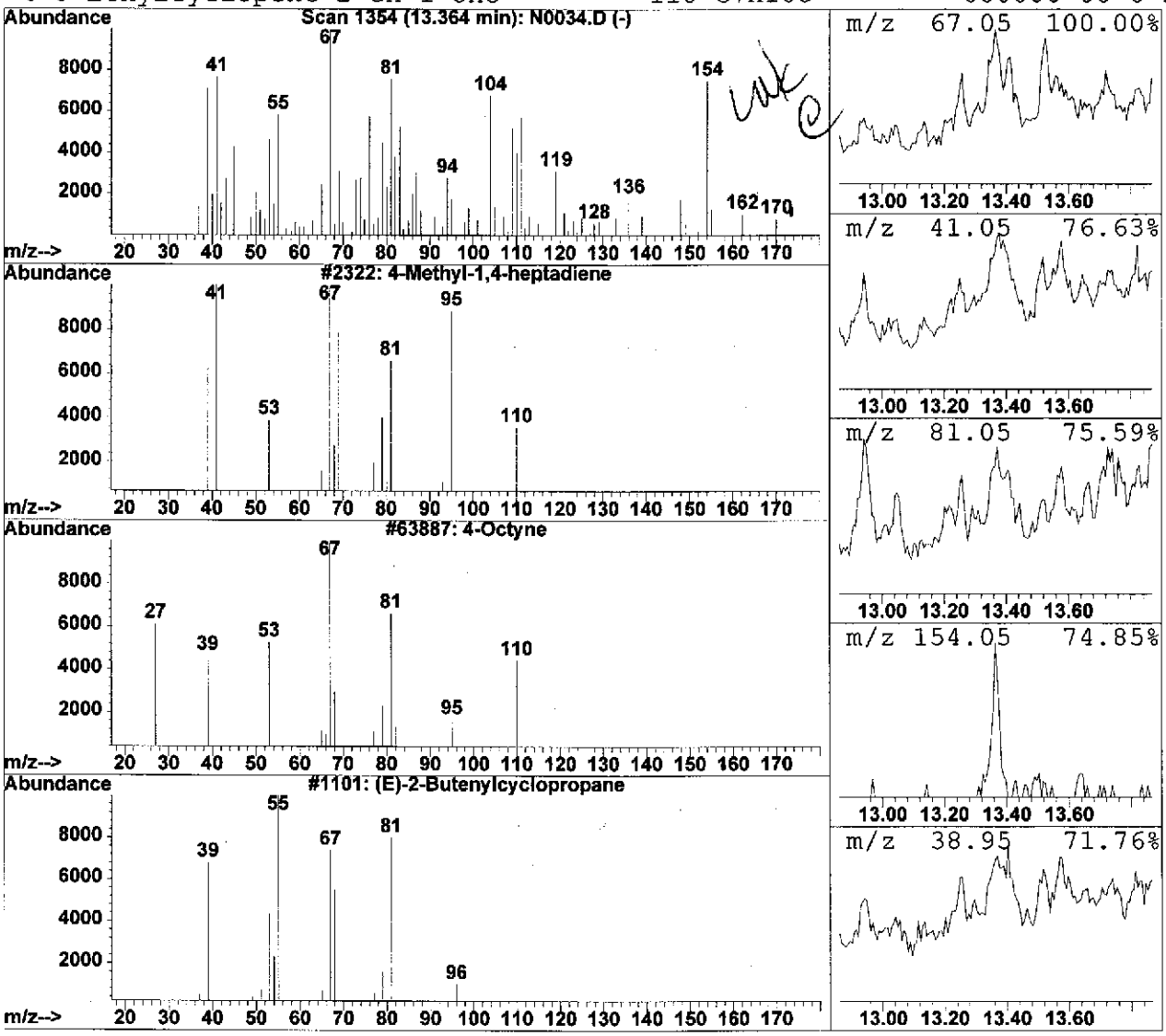
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 4-Methyl-1,4-heptadiene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	4.76 ug/mL	144830	Naphthalene-d8	11.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-1,4-heptadiene	110	C8H14	013857-55-1	46
2	4-Octyne	110	C8H14	001942-45-6	43
3	(E)-2-Butenylcyclopropane	96	C7H12	000000-00-0	32
4	3-Ethylcyclopent-2-en-1-one	110	C7H10O	000000-00-0	27



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0034.D
Acq On : 17 Oct 2008 19:45
Sample : 0810110-004B
Misc : SAMP,8270W_OLM42,
MS Integration Params: LSCINT.P

Vial: 16
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

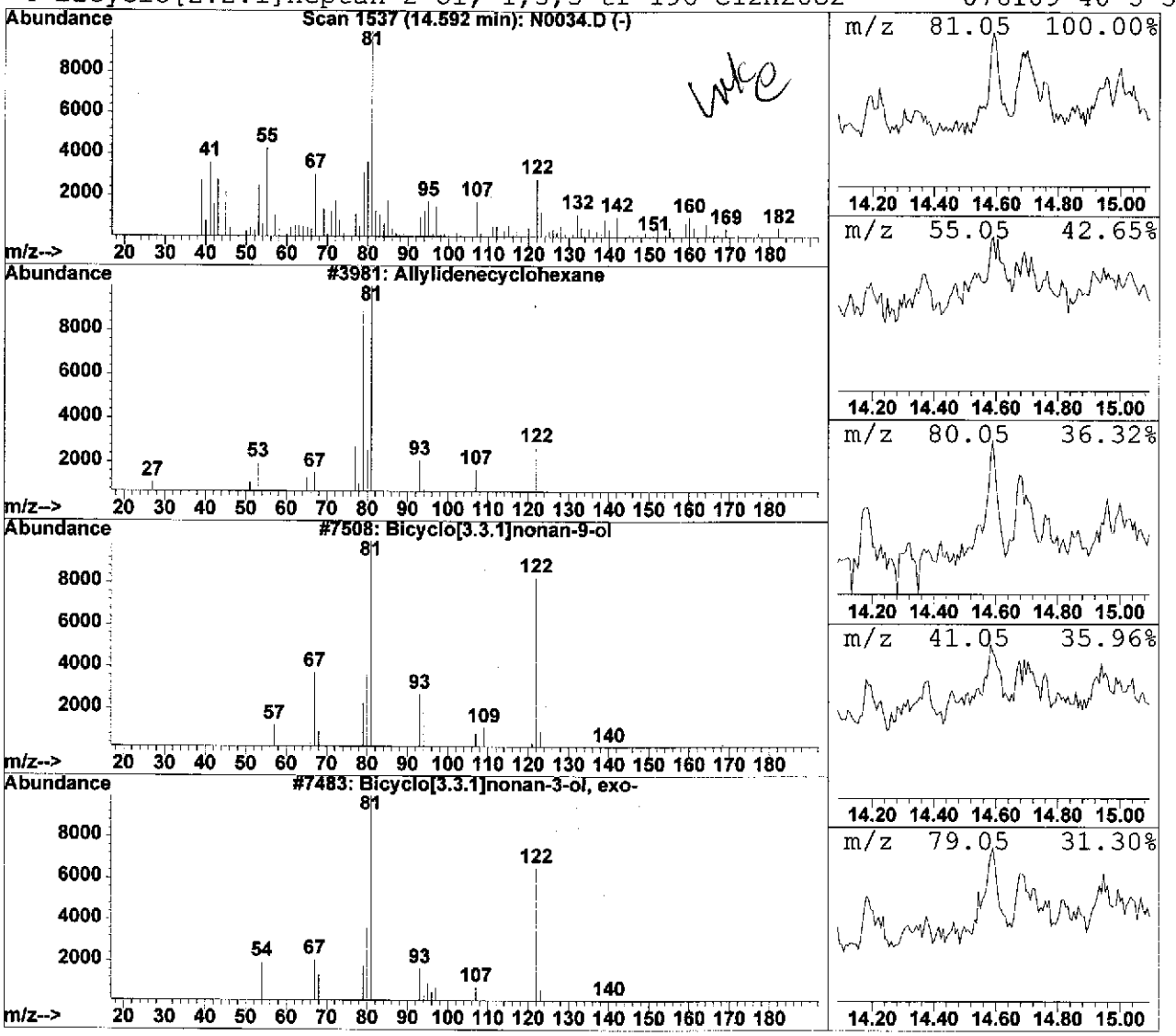
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Allylidenecyclohexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	5.30 ug/mL	165058	Acenaphthene-d10	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allylidenecyclohexane	122	C9H14	005664-10-8	50
2	Bicyclo[3.3.1]nonan-9-ol	140	C9H16O	015598-80-8	49
3	Bicyclo[3.3.1]nonan-3-ol, exo-	140	C9H16O	010036-08-5	42
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3-tr	196	C12H20O2	076109-40-5	38



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.8	µg/L	10	10/20/08 14:11
2,4,5-Trichlorophenol	ND		500	1.4	µg/L	10	10/20/08 14:11
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 14:11
2,4-Dichlorophenol	ND		100	0.80	µg/L	10	10/20/08 14:11
2,4-Dimethylphenol	ND		100	20	µg/L	10	10/20/08 14:11
2,4-Dinitrophenol	ND		500	100	µg/L	10	10/20/08 14:11
2,4-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 14:11
2,6-Dinitrotoluene	ND		100	4.0	µg/L	10	10/20/08 14:11
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 14:11
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 14:11
2-Methylnaphthalene	ND		100	0.50	µg/L	10	10/20/08 14:11
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:11
2-Nitroaniline	ND		500	4.0	µg/L	10	10/20/08 14:11
2-Nitrophenol	ND		100	0.70	µg/L	10	10/20/08 14:11
3,3'-Dichlorobenzidine	ND		200	12	µg/L	10	10/20/08 14:11
3-Nitroaniline	ND		500	12	µg/L	10	10/20/08 14:11
4,6-Dinitro-2-methylphenol	ND		100	20	µg/L	10	10/20/08 14:11
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 14:11
4-Chloro-3-methylphenol	ND		100	0.80	µg/L	10	10/20/08 14:11
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 14:11
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 14:11
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:11
4-Nitroaniline	ND		500	12	µg/L	10	10/20/08 14:11
4-Nitrophenol	ND		500	20	µg/L	10	10/20/08 14:11
Acenaphthene	ND		100	0.80	µg/L	10	10/20/08 14:11
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 14:11
Acetophenone	ND		100	3.7	µg/L	10	10/20/08 14:11
Anthracene	ND		100	1.4	µg/L	10	10/20/08 14:11
Atrazine	ND		100	12	µg/L	10	10/20/08 14:11
Benzaldehyde	ND		100	3.7	µg/L	10	10/20/08 14:11
Benzo[a]anthracene	ND		100	0.80	µg/L	10	10/20/08 14:11
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 14:11
Benzo[b]fluoranthene	ND		100	5.0	µg/L	10	10/20/08 14:11
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4***
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.3	µg/L	10	10/20/08 14:11
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 14:11
bis(2-chloroethyl)ether	ND		100	0.40	µg/L	10	10/20/08 14:11
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 14:11
bis(2-Ethylhexyl)phthalate	ND		100	4.5	µg/L	10	10/20/08 14:11
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 14:11
Caprolactam	ND		100	12	µg/L	10	10/20/08 14:11
Carbazole	ND		100	1.3	µg/L	10	10/20/08 14:11
Chrysene	ND		100	0.80	µg/L	10	10/20/08 14:11
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 14:11
Di-n-octyl phthalate	ND		100	1.8	µg/L	10	10/20/08 14:11
Dibenz[a,h]anthracene	ND		100	0.90	µg/L	10	10/20/08 14:11
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 14:11
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 14:11
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 14:11
Fluoranthene	ND		100	0.60	µg/L	10	10/20/08 14:11
Fluorene	ND		100	1.1	µg/L	10	10/20/08 14:11
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 14:11
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 14:11
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 14:11
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 14:11
Indeno[1,2,3-cd]pyrene	ND		100	0.90	µg/L	10	10/20/08 14:11
Isophorone	ND		100	1.2	µg/L	10	10/20/08 14:11
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 14:11
N-Nitrosodiphenylamine	ND		100	0.80	µg/L	10	10/20/08 14:11
Naphthalene	ND		100	0.60	µg/L	10	10/20/08 14:11
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 14:11
Pentachlorophenol	ND		500	50	µg/L	10	10/20/08 14:11
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 14:11
Phenol	ND		100	0.90	µg/L	10	10/20/08 14:11
Pyrene	ND		100	0.70	µg/L	10	10/20/08 14:11
Surr: 2,4,6-Tribromophenol	113		46-149	0	%REC	10	10/20/08 14:11
Surr: 2-Fluorobiphenyl	87.6		42-130	0	%REC	10	10/20/08 14:11
Surr: 2-Fluorophenol	79.3		26-130	0	%REC	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 1000 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0047.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	84.2		42-130	0	%REC	10	10/20/08 14:11
Surr: Phenol-d5	84.1		21-134	0	%REC	10	10/20/08 14:11
Surr: Terphenyl-d14	96.0		24-147	0	%REC	10	10/20/08 14:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0047.D Vial: 11
Acq On : 20 Oct 2008 14:11 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	174405	40.00	ug/mL	0.01
13) Naphthalene-d8	11.87	136	593948	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.19	164	347912	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.03	188	605646	40.00	ug/mL	0.00
58) Chrysene-d12	23.06	240	476651	40.00	ug/mL	0.00
68) Perylene-d12	25.83	264	331081	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.21	112	57260	11.90	ug/mL	0.01
Spiked Amount 150.000			Recovery =	7.93%		
3) Phenol-d5	8.81	99	83003	12.61	ug/mL	0.00
Spiked Amount 150.000			Recovery =	8.41%		
14) Nitrobenzene-d5	10.52	82	57601	8.42	ug/mL	0.00
Spiked Amount 100.000			Recovery =	8.42%		
30) 2-Fluorobiphenyl	13.89	172	94676	8.76	ug/mL	0.00
Spiked Amount 100.000			Recovery =	8.76%		
46) 2,4,6-Tribromophenol	16.68	330	40802	16.89	ug/mL	0.00
Spiked Amount 150.000			Recovery =	11.26%		
60) Terphenyl-d14	21.03	244	82097	9.60	ug/mL	0.00
Spiked Amount 100.000			Recovery =	9.60%		

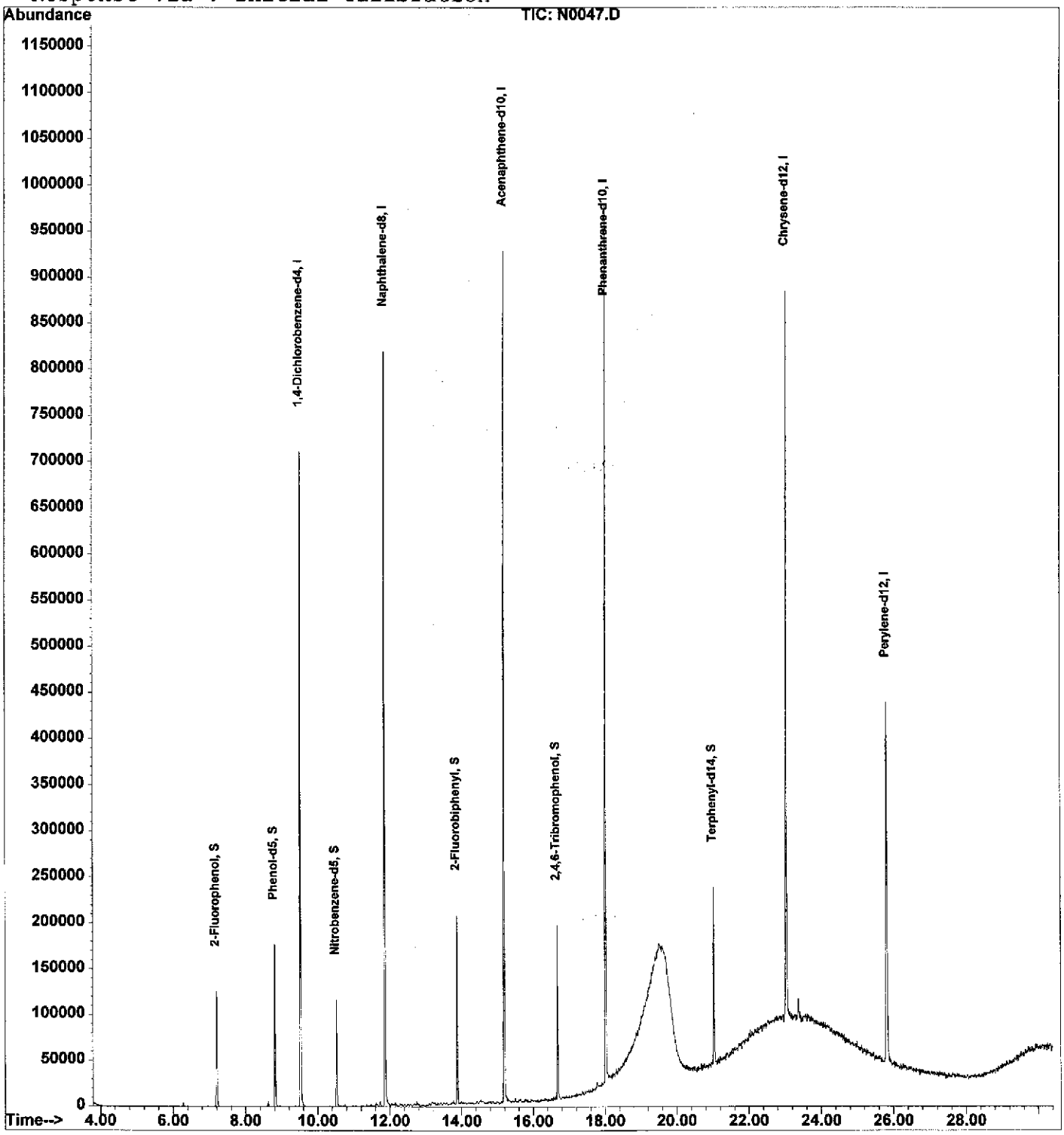
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0047.D NO14OL42.M Tue Oct 21 12:51:14 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0047.D Vial: 11
Acq On : 20 Oct 2008 14:11 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration



N0047.D NO14OL42.M Tue Oct 21 12:51:15 2008 P

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0047.D Vial: 11
Acq On : 20 Oct 2008 14:11 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	174405	40.00	ug/mL	0.01
5) Naphthalene-d8	11.87	136	593948	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.19	164	347912	40.00	ug/mL	0.01
11) Phenanthrene-d10	18.03	188	605646	40.00	ug/mL	0.01
14) Chrysene-d12	23.06	240	476651	40.00	ug/mL	0.02
15) Perylene-d12	25.83	264	331081	40.00	ug/mL	0.01

System Monitoring Compounds

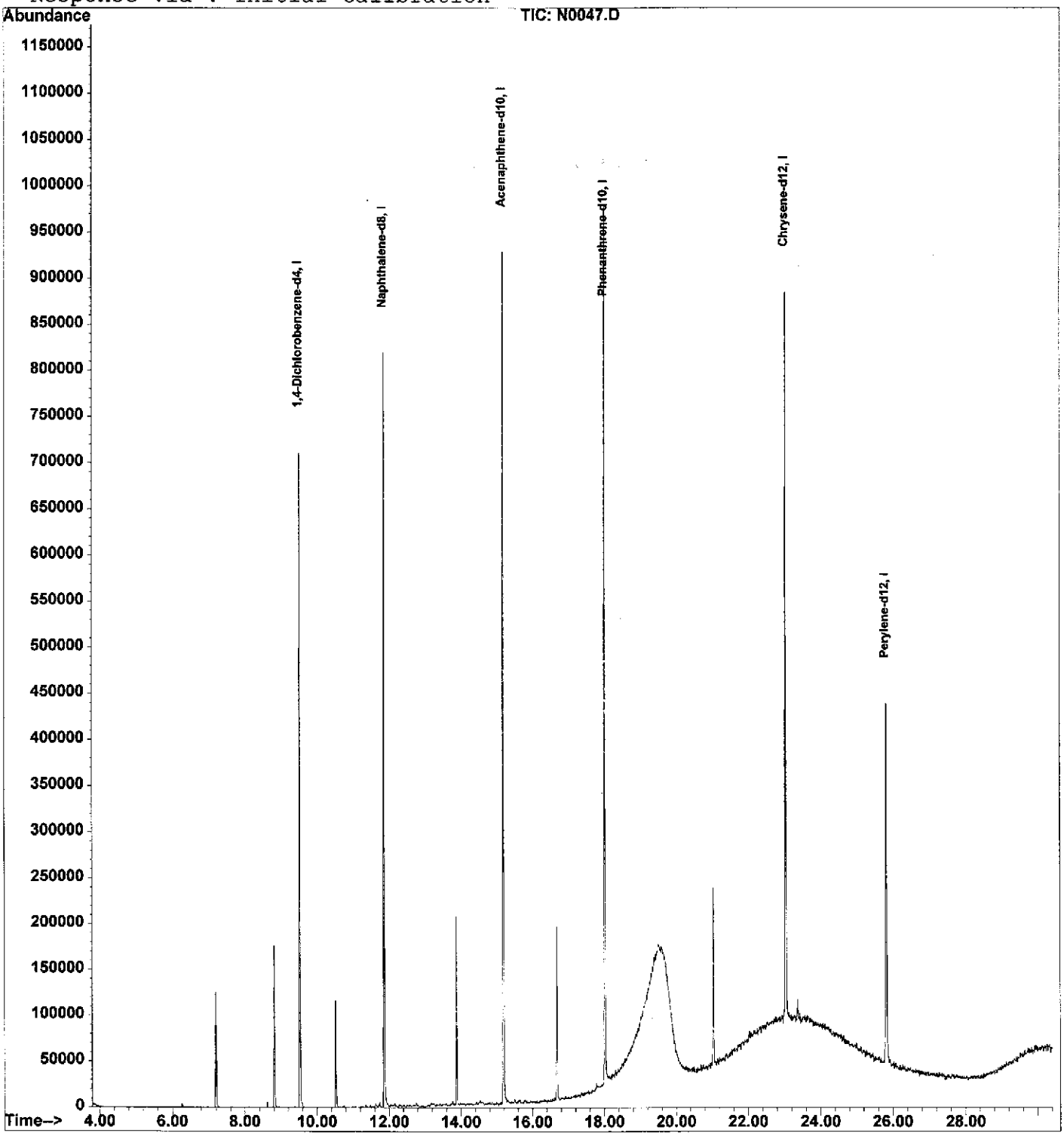
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0047.D NO14OLM.M Tue Oct 21 12:33:17 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0047.D Vial: 11
Acq On : 20 Oct 2008 14:11 Operator: MEG
Sample : 0810110-004B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration



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5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1´-Biphenyl	ND		10	0.39	µg/L	1	10/17/08 20:23
2,4,5-Trichlorophenol	ND		52	0.14	µg/L	1	10/17/08 20:23
2,4,6-Trichlorophenol	ND		10	1.2	µg/L	1	10/17/08 20:23
2,4-Dichlorophenol	ND		10	0.082	µg/L	1	10/17/08 20:23
2,4-Dimethylphenol	ND		10	2.1	µg/L	1	10/17/08 20:23
2,4-Dinitrophenol	ND		52	10	µg/L	1	10/17/08 20:23
2,4-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 20:23
2,6-Dinitrotoluene	ND		10	0.41	µg/L	1	10/17/08 20:23
2-Chloronaphthalene	ND		10	0.11	µg/L	1	10/17/08 20:23
2-Chlorophenol	ND		10	0.12	µg/L	1	10/17/08 20:23
2-Methylnaphthalene	ND		10	0.052	µg/L	1	10/17/08 20:23
2-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 20:23
2-Nitroaniline	ND		52	0.41	µg/L	1	10/17/08 20:23
2-Nitrophenol	ND		10	0.072	µg/L	1	10/17/08 20:23
3,3´-Dichlorobenzidine	ND		21	1.2	µg/L	1	10/17/08 20:23
3-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 20:23
4,6-Dinitro-2-methylphenol	ND		10	2.1	µg/L	1	10/17/08 20:23
4-Bromophenyl phenyl ether	ND		10	0.15	µg/L	1	10/17/08 20:23
4-Chloro-3-methylphenol	ND		10	0.082	µg/L	1	10/17/08 20:23
4-Chloroaniline	ND		10	0.10	µg/L	1	10/17/08 20:23
4-Chlorophenyl phenyl ether	ND		10	0.12	µg/L	1	10/17/08 20:23
4-Methylphenol	ND		10	1.2	µg/L	1	10/17/08 20:23
4-Nitroaniline	ND		52	1.2	µg/L	1	10/17/08 20:23
4-Nitrophenol	ND		52	2.1	µg/L	1	10/17/08 20:23
Acenaphthene	ND		10	0.082	µg/L	1	10/17/08 20:23
Acenaphthylene	ND		10	0.10	µg/L	1	10/17/08 20:23
Acetophenone	ND		10	0.38	µg/L	1	10/17/08 20:23
Anthracene	ND		10	0.14	µg/L	1	10/17/08 20:23
Atrazine	ND		10	1.2	µg/L	1	10/17/08 20:23
Benzaldehyde	ND		10	0.38	µg/L	1	10/17/08 20:23
Benzo[a]anthracene	ND		10	0.082	µg/L	1	10/17/08 20:23
Benzo[a]pyrene	ND		10	0.15	µg/L	1	10/17/08 20:23
Benzo[b]fluoranthene	ND		10	0.52	µg/L	1	10/17/08 20:23
Benzo[g,h,i]perylene	ND		10	0.10	µg/L	1	10/17/08 20:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		10	0.34	µg/L	1	10/17/08 20:23
bis(2-Chloroethoxy)methane	ND		10	0.10	µg/L	1	10/17/08 20:23
bis(2-chloroethyl)ether	ND		10	0.041	µg/L	1	10/17/08 20:23
bis(2-chloroisopropyl)ether	ND		10	1.2	µg/L	1	10/17/08 20:23
bis(2-Ethylhexyl)phthalate	1.1	J	10	0.46	µg/L	1	10/17/08 20:23
Butyl benzyl phthalate	ND		10	0.16	µg/L	1	10/17/08 20:23
Caprolactam	ND		10	1.2	µg/L	1	10/17/08 20:23
Carbazole	ND		10	0.13	µg/L	1	10/17/08 20:23
Chrysene	ND		10	0.082	µg/L	1	10/17/08 20:23
Di-n-butyl phthalate	ND		10	1.6	µg/L	1	10/17/08 20:23
Di-n-octyl phthalate	ND		10	0.19	µg/L	1	10/17/08 20:23
Dibenz[a,h]anthracene	ND		10	0.093	µg/L	1	10/17/08 20:23
Dibenzofuran	ND		10	0.14	µg/L	1	10/17/08 20:23
Diethyl phthalate	ND		10	0.13	µg/L	1	10/17/08 20:23
Dimethyl phthalate	ND		10	0.10	µg/L	1	10/17/08 20:23
Fluoranthene	ND		10	0.062	µg/L	1	10/17/08 20:23
Fluorene	ND		10	0.11	µg/L	1	10/17/08 20:23
Hexachlorobenzene	ND		10	0.11	µg/L	1	10/17/08 20:23
Hexachlorobutadiene	ND		10	1.2	µg/L	1	10/17/08 20:23
Hexachlorocyclopentadiene	ND		10	10	µg/L	1	10/17/08 20:23
Hexachloroethane	ND		10	1.2	µg/L	1	10/17/08 20:23
Indeno[1,2,3-cd]pyrene	ND		10	0.093	µg/L	1	10/17/08 20:23
Isophorone	ND		10	0.12	µg/L	1	10/17/08 20:23
N-Nitroso-di-n-propylamine	ND		10	0.15	µg/L	1	10/17/08 20:23
N-Nitrosodiphenylamine	ND		10	0.082	µg/L	1	10/17/08 20:23
Naphthalene	ND		10	0.062	µg/L	1	10/17/08 20:23
Nitrobenzene	ND		10	0.12	µg/L	1	10/17/08 20:23
Pentachlorophenol	ND		52	5.2	µg/L	1	10/17/08 20:23
Phenanthrene	ND		10	0.10	µg/L	1	10/17/08 20:23
Phenol	ND		10	0.093	µg/L	1	10/17/08 20:23
Pyrene	ND		10	0.072	µg/L	1	10/17/08 20:23
Surr: 2,4,6-Tribromophenol	114		46-149	0	%REC	1	10/17/08 20:23
Surr: 2-Fluorobiphenyl	84.6		42-130	0	%REC	1	10/17/08 20:23
Surr: 2-Fluorophenol	76.7		26-130	0	%REC	1	10/17/08 20:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15208
Revision:	10/20/08 10:21	**TestCode:** 8270W OLM42	**FileID:** 1-SAMP-N0035.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	82.4		42-130	0	%REC	1	10/17/08 20:23
Surr: Phenol-d5	76.2		21-134	0	%REC	1	10/17/08 20:23
Surr: Terphenyl-d14	102		24-147	0	%REC	1	10/17/08 20:23

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MW-4FD

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: 0810110-005B

Sample wt/vol: 970 (g/mL) mL Lab File ID: N0035.D

Level: LOW Date Received: 10/14/2008

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 0 CONCENTRATION UNITS: UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0035.D Vial: 17
Acq On : 17 Oct 2008 20:23 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:24 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

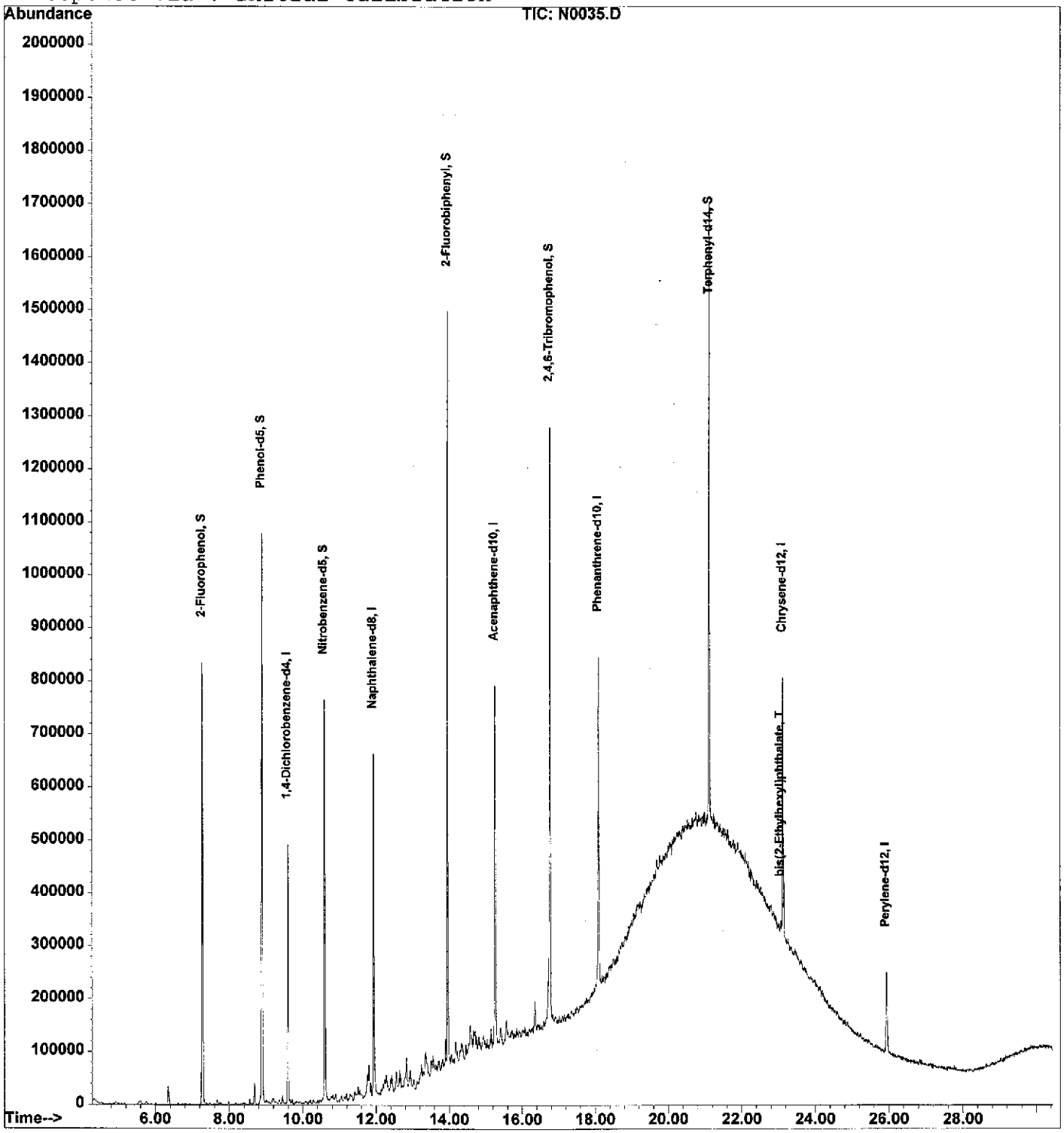
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	124348	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	432694	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	256572	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	424311	40.00	ug/mL	0.00
58) Chrysene-d12	23.15	240	286904	40.00	ug/mL	0.01
68) Perylene-d12	25.95	264	131774	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.28	112	394732	115.08	ug/mL	0.02
Spiked Amount 150.000			Recovery = 76.72%			
3) Phenol-d5	8.90	99	536172	114.24	ug/mL	0.02
Spiked Amount 150.000			Recovery = 76.16%			
14) Nitrobenzene-d5	10.60	82	410462	82.39	ug/mL	0.00
Spiked Amount 100.000			Recovery = 82.39%			
30) 2-Fluorobiphenyl	13.97	172	674243	84.64	ug/mL	0.00
Spiked Amount 100.000			Recovery = 84.64%			
46) 2,4,6-Tribromophenol	16.77	330	304402	170.87	ug/mL	0.01
Spiked Amount 150.000			Recovery = 113.91%			
60) Terphenyl-d14	21.13	244	524847	101.93	ug/mL	0.02
Spiked Amount 100.000			Recovery = 101.93%			
Target Compounds						Qvalue
64) bis(2-Ethylhexyl)phthalate	23.09	149	8196	1.11	ug/mL	76

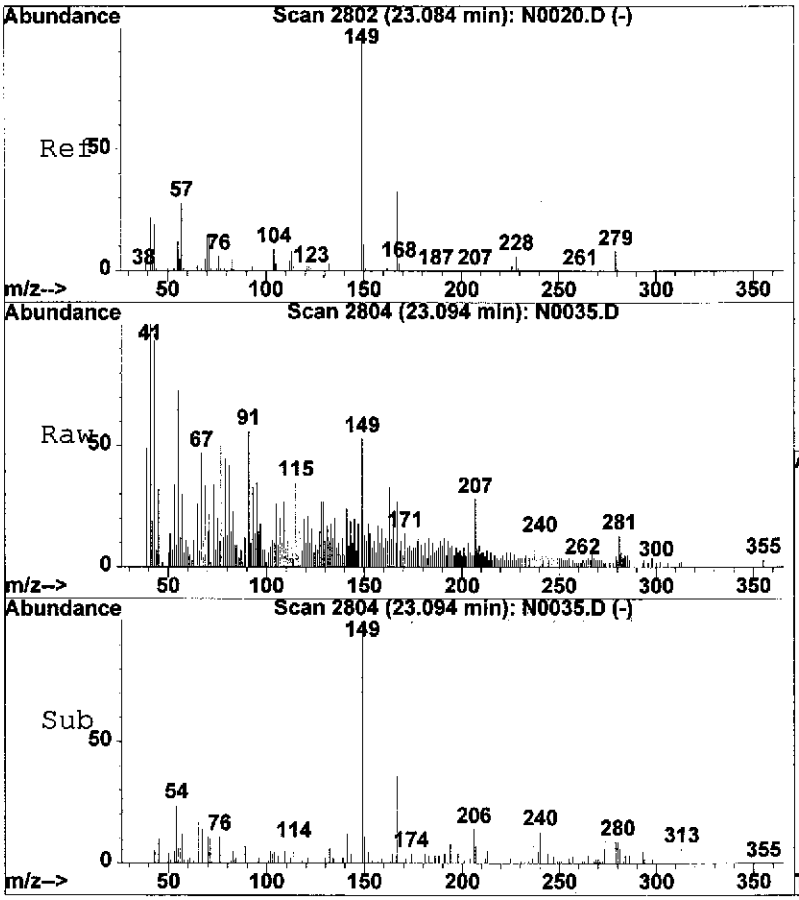
(#) = qualifier out of range (m) = manual integration
N0035.D NO14OL42.M Mon Oct 20 09:26:59 2008

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0035.D Vial: 17
Acq On : 17 Oct 2008 20:23 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:24 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration

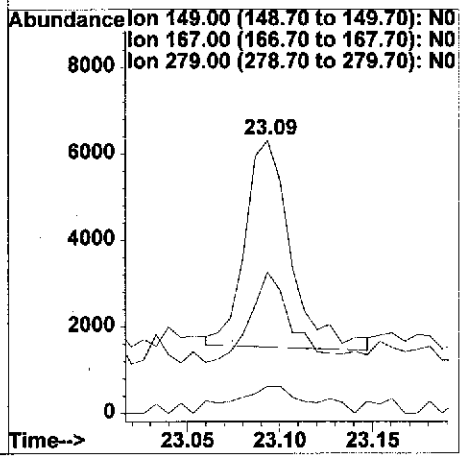




#64
bis(2-Ethylhexyl)phthalate
Concen: 1.11 ug/mL
RT: 23.09 min Scan# 2804
Delta R.T. 0.01 min
Lab File: N0035.D
Acq: 17 Oct 2008 20:23

Tgt Ion:149 Resp: 8196

Ion	Ratio	Lower	Upper
149	100		
167	45.4	3.9	63.9
279	22.5	0.0	38.4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0035.D Vial: 17
Acq On : 17 Oct 2008 20:23 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:39 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	124348	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	432694	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	256572	40.00	ug/mL	0.01
11) Phenanthrene-d10	18.11	188	424311	40.00	ug/mL	0.01
14) Chrysene-d12	23.15	240	286904	40.00	ug/mL	0.02
15) Perylene-d12	25.95	264	131774	40.00	ug/mL	0.02

System Monitoring Compounds

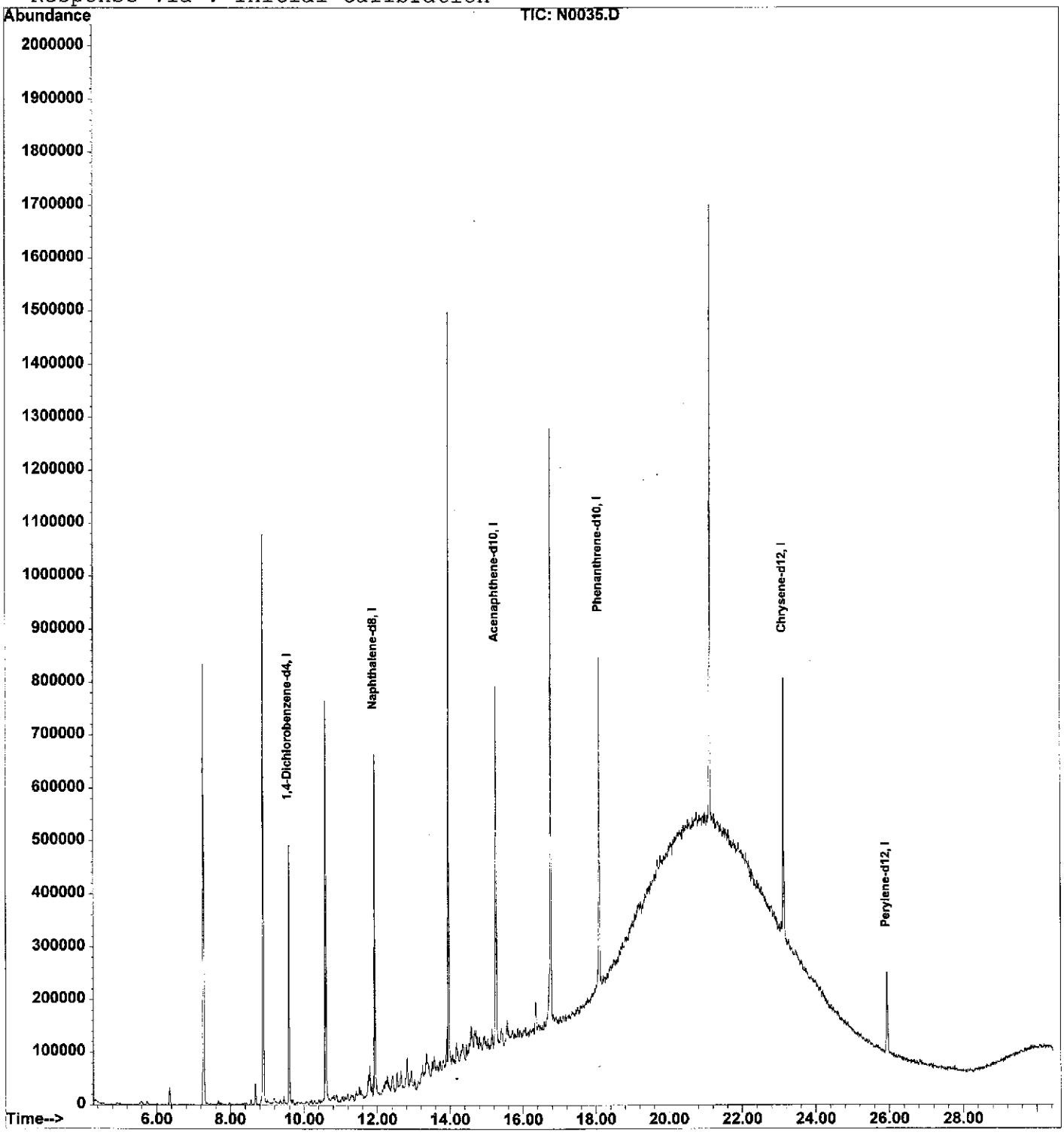
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0035.D NO14OLM.M Mon Oct 20 09:40:45 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0035.D Vial: 17
Acq On : 17 Oct 2008 20:23 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : SAMP,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:39 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



N0035.D NO14OLM.M Mon Oct 20 09:40:45 2008 P

Tentatively Identified Compound (LSC) summary

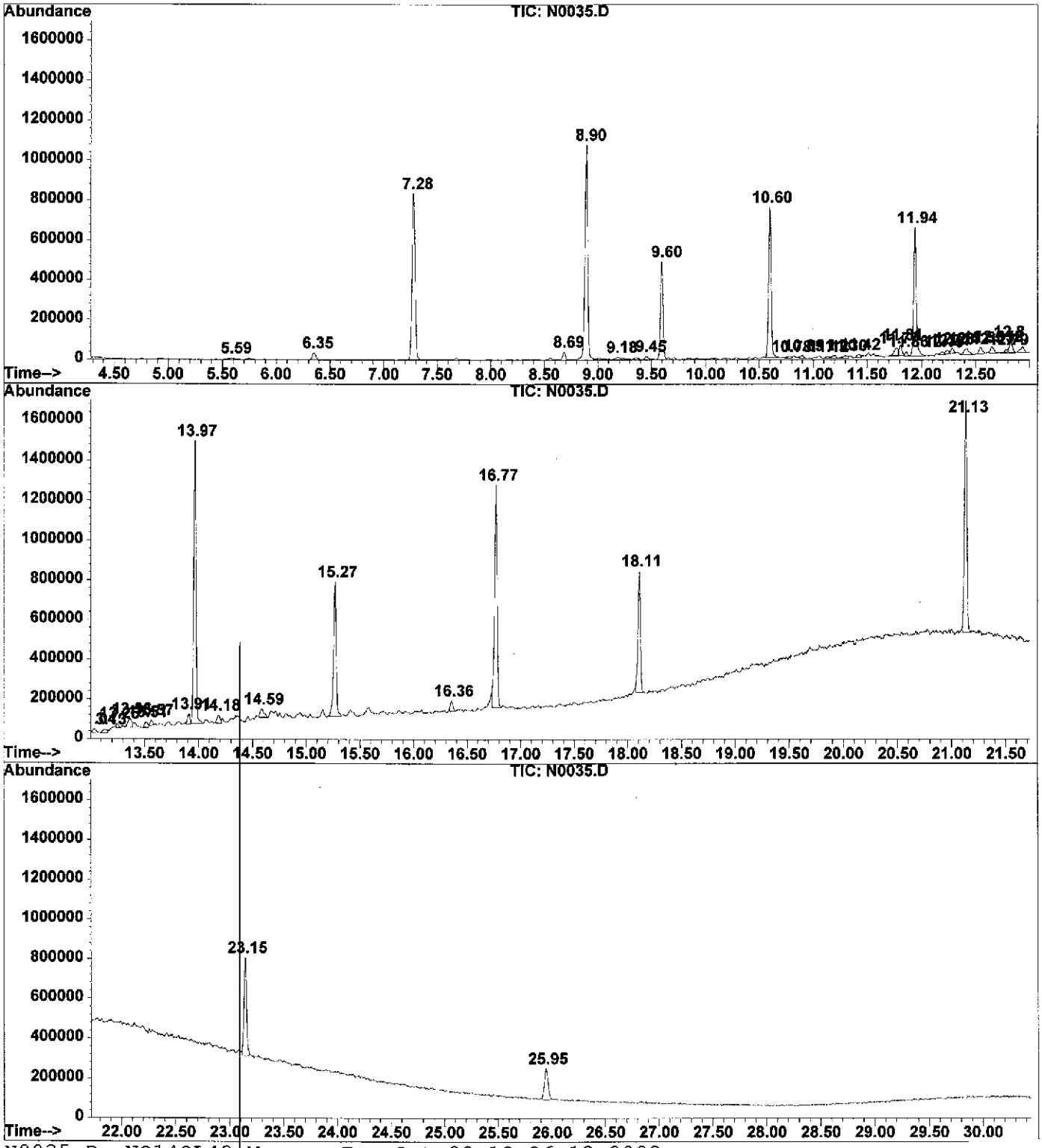
Operator ID: MEG Date Acquired: 17 Oct 2008 20:23
Data File: C:\HPCHEM\1\DATA\N0035.D
Name: 0810110-005B
Misc: SAMP,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

N0035.D NO14OL42.M Tue Oct 28 13:26:13 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0035.D
Operator : MEG
Acquired : 17 Oct 2008 20:23 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: 0810110-005B
Misc Info : SAMP,8270W_OLM42,
Vial Number: 17
Quant File :NO14OL42.RES (RTE Integrator)



N0035.D NO14OL42.M Tue Oct 28 13:26:13 2008

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
1,1'-Biphenyl	ND		100	3.9	µg/L	10	10/20/08 14:49
2,4,5-Trichlorophenol	ND		520	1.4	µg/L	10	10/20/08 14:49
2,4,6-Trichlorophenol	ND		100	12	µg/L	10	10/20/08 14:49
2,4-Dichlorophenol	ND		100	0.82	µg/L	10	10/20/08 14:49
2,4-Dimethylphenol	ND		100	21	µg/L	10	10/20/08 14:49
2,4-Dinitrophenol	ND		520	100	µg/L	10	10/20/08 14:49
2,4-Dinitrotoluene	ND		100	4.1	µg/L	10	10/20/08 14:49
2,6-Dinitrotoluene	ND		100	4.1	µg/L	10	10/20/08 14:49
2-Chloronaphthalene	ND		100	1.1	µg/L	10	10/20/08 14:49
2-Chlorophenol	ND		100	1.2	µg/L	10	10/20/08 14:49
2-Methylnaphthalene	ND		100	0.52	µg/L	10	10/20/08 14:49
2-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:49
2-Nitroaniline	ND		520	4.1	µg/L	10	10/20/08 14:49
2-Nitrophenol	ND		100	0.72	µg/L	10	10/20/08 14:49
3,3'-Dichlorobenzidine	ND		210	12	µg/L	10	10/20/08 14:49
3-Nitroaniline	ND		520	12	µg/L	10	10/20/08 14:49
4,6-Dinitro-2-methylphenol	ND		100	21	µg/L	10	10/20/08 14:49
4-Bromophenyl phenyl ether	ND		100	1.5	µg/L	10	10/20/08 14:49
4-Chloro-3-methylphenol	ND		100	0.82	µg/L	10	10/20/08 14:49
4-Chloroaniline	ND		100	1.0	µg/L	10	10/20/08 14:49
4-Chlorophenyl phenyl ether	ND		100	1.2	µg/L	10	10/20/08 14:49
4-Methylphenol	ND		100	12	µg/L	10	10/20/08 14:49
4-Nitroaniline	ND		520	12	µg/L	10	10/20/08 14:49
4-Nitrophenol	ND		520	21	µg/L	10	10/20/08 14:49
Acenaphthene	ND		100	0.82	µg/L	10	10/20/08 14:49
Acenaphthylene	ND		100	1.0	µg/L	10	10/20/08 14:49
Acetophenone	ND		100	3.8	µg/L	10	10/20/08 14:49
Anthracene	ND		100	1.4	µg/L	10	10/20/08 14:49
Atrazine	ND		100	12	µg/L	10	10/20/08 14:49
Benzaldehyde	ND		100	3.8	µg/L	10	10/20/08 14:49
Benzo[a]anthracene	ND		100	0.82	µg/L	10	10/20/08 14:49
Benzo[a]pyrene	ND		100	1.5	µg/L	10	10/20/08 14:49
Benzo[b]fluoranthene	ND		100	5.2	µg/L	10	10/20/08 14:49
Benzo[g,h,i]perylene	ND		100	1.0	µg/L	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Benzo[k]fluoranthene	ND		100	3.4	µg/L	10	10/20/08 14:49
bis(2-Chloroethoxy)methane	ND		100	1.0	µg/L	10	10/20/08 14:49
bis(2-chloroethyl)ether	ND		100	0.41	µg/L	10	10/20/08 14:49
bis(2-chloroisopropyl)ether	ND		100	12	µg/L	10	10/20/08 14:49
bis(2-Ethylhexyl)phthalate	ND		100	4.6	µg/L	10	10/20/08 14:49
Butyl benzyl phthalate	ND		100	1.6	µg/L	10	10/20/08 14:49
Caprolactam	ND		100	12	µg/L	10	10/20/08 14:49
Carbazole	ND		100	1.3	µg/L	10	10/20/08 14:49
Chrysene	ND		100	0.82	µg/L	10	10/20/08 14:49
Di-n-butyl phthalate	ND		100	16	µg/L	10	10/20/08 14:49
Di-n-octyl phthalate	ND		100	1.9	µg/L	10	10/20/08 14:49
Dibenz[a,h]anthracene	ND		100	0.93	µg/L	10	10/20/08 14:49
Dibenzofuran	ND		100	1.4	µg/L	10	10/20/08 14:49
Diethyl phthalate	ND		100	1.3	µg/L	10	10/20/08 14:49
Dimethyl phthalate	ND		100	1.0	µg/L	10	10/20/08 14:49
Fluoranthene	ND		100	0.62	µg/L	10	10/20/08 14:49
Fluorene	ND		100	1.1	µg/L	10	10/20/08 14:49
Hexachlorobenzene	ND		100	1.1	µg/L	10	10/20/08 14:49
Hexachlorobutadiene	ND		100	12	µg/L	10	10/20/08 14:49
Hexachlorocyclopentadiene	ND		100	100	µg/L	10	10/20/08 14:49
Hexachloroethane	ND		100	12	µg/L	10	10/20/08 14:49
Indeno[1,2,3-cd]pyrene	ND		100	0.93	µg/L	10	10/20/08 14:49
Isophorone	ND		100	1.2	µg/L	10	10/20/08 14:49
N-Nitroso-di-n-propylamine	ND		100	1.5	µg/L	10	10/20/08 14:49
N-Nitrosodiphenylamine	ND		100	0.82	µg/L	10	10/20/08 14:49
Naphthalene	ND		100	0.62	µg/L	10	10/20/08 14:49
Nitrobenzene	ND		100	1.2	µg/L	10	10/20/08 14:49
Pentachlorophenol	ND		520	52	µg/L	10	10/20/08 14:49
Phenanthrene	ND		100	1.0	µg/L	10	10/20/08 14:49
Phenol	ND		100	0.93	µg/L	10	10/20/08 14:49
Pyrene	ND		100	0.72	µg/L	10	10/20/08 14:49
Surr: 2,4,6-Tribromophenol	105		46-149	0	%REC	10	10/20/08 14:49
Surr: 2-Fluorobiphenyl	83.9		42-130	0	%REC	10	10/20/08 14:49
Surr: 2-Fluorophenol	80.4		26-130	0	%REC	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005BDL**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	MS05 26	**Sample Size:** 970 mL	**PrepDate:** 10/15/08 14:00
ColumnID:	DB-5MS	**%Moisture:**	**BatchNo:** 8267/R15229
Revision:	10/21/08 13:02	**TestCode:** 8270W OLM42	**FileID:** 1-DL-N0048.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8270C**		**(SW3520C)**
Surr: Nitrobenzene-d5	80.7		42-130	0	%REC	10	10/20/08 14:49
Surr: Phenol-d5	81.3		21-134	0	%REC	10	10/20/08 14:49
Surr: Terphenyl-d14	84.0		24-147	0	%REC	10	10/20/08 14:49

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0048.D Vial: 12
Acq On : 20 Oct 2008 14:49 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	168943	40.00	ug/mL	0.00
13) Naphthalene-d8	11.87	136	602909	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.19	164	357430	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.02	188	610410	40.00	ug/mL	0.00
58) Chrysene-d12	23.06	240	489812	40.00	ug/mL	0.00
68) Perylene-d12	25.83	264	345256	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.21	112	56208	12.06	ug/mL	0.00
Spiked Amount 150.000			Recovery =	8.04%		
3) Phenol-d5	8.82	99	77717	12.19	ug/mL	0.00
Spiked Amount 150.000			Recovery =	8.13%		
14) Nitrobenzene-d5	10.52	82	55996	8.07	ug/mL	0.00
Spiked Amount 100.000			Recovery =	8.07%		
30) 2-Fluorobiphenyl	13.89	172	93082	8.39	ug/mL	0.00
Spiked Amount 100.000			Recovery =	8.39%		
46) 2,4,6-Tribromophenol	16.68	330	39142	15.77	ug/mL	0.00
Spiked Amount 150.000			Recovery =	10.51%		
60) Terphenyl-d14	21.04	244	73807	8.40	ug/mL	0.00
Spiked Amount 100.000			Recovery =	8.40%		

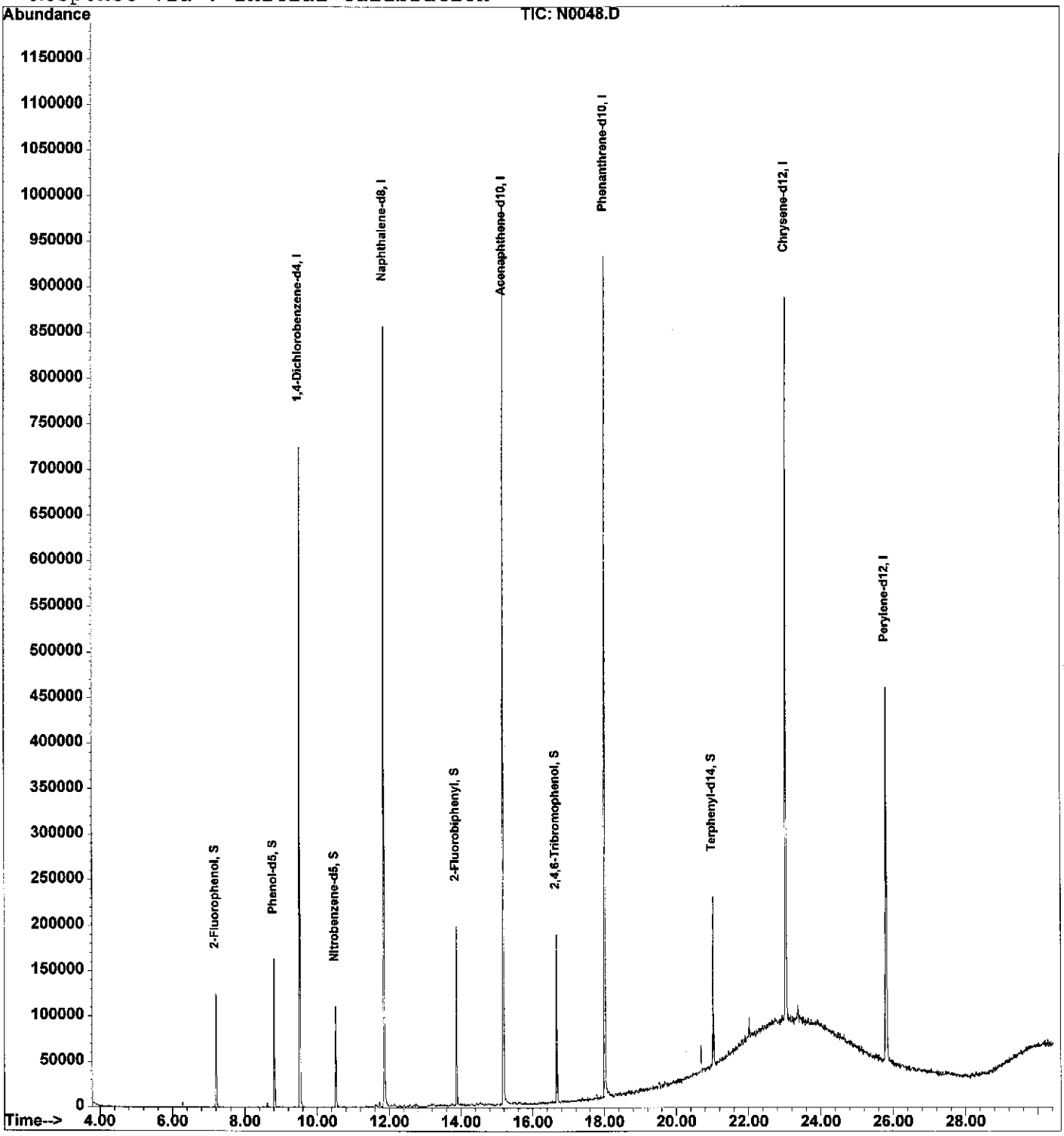
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0048.D Vial: 12
Acq On : 20 Oct 2008 14:49 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:47 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 09:46:08 2008
Response via : Initial Calibration



N0048.D NO14OL42.M Tue Oct 21 12:51:22 2008 P

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0048.D Vial: 12
Acq On : 20 Oct 2008 14:49 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	168943	40.00	ug/mL	0.01
5) Naphthalene-d8	11.87	136	602909	40.00	ug/mL	0.01
7) Acenaphthene-d10	15.19	164	357430	40.00	ug/mL	0.01
11) Phenanthrene-d10	18.02	188	610410	40.00	ug/mL	0.01
14) Chrysene-d12	23.06	240	489812	40.00	ug/mL	0.02
15) Perylene-d12	25.83	264	345256	40.00	ug/mL	0.02

System Monitoring Compounds

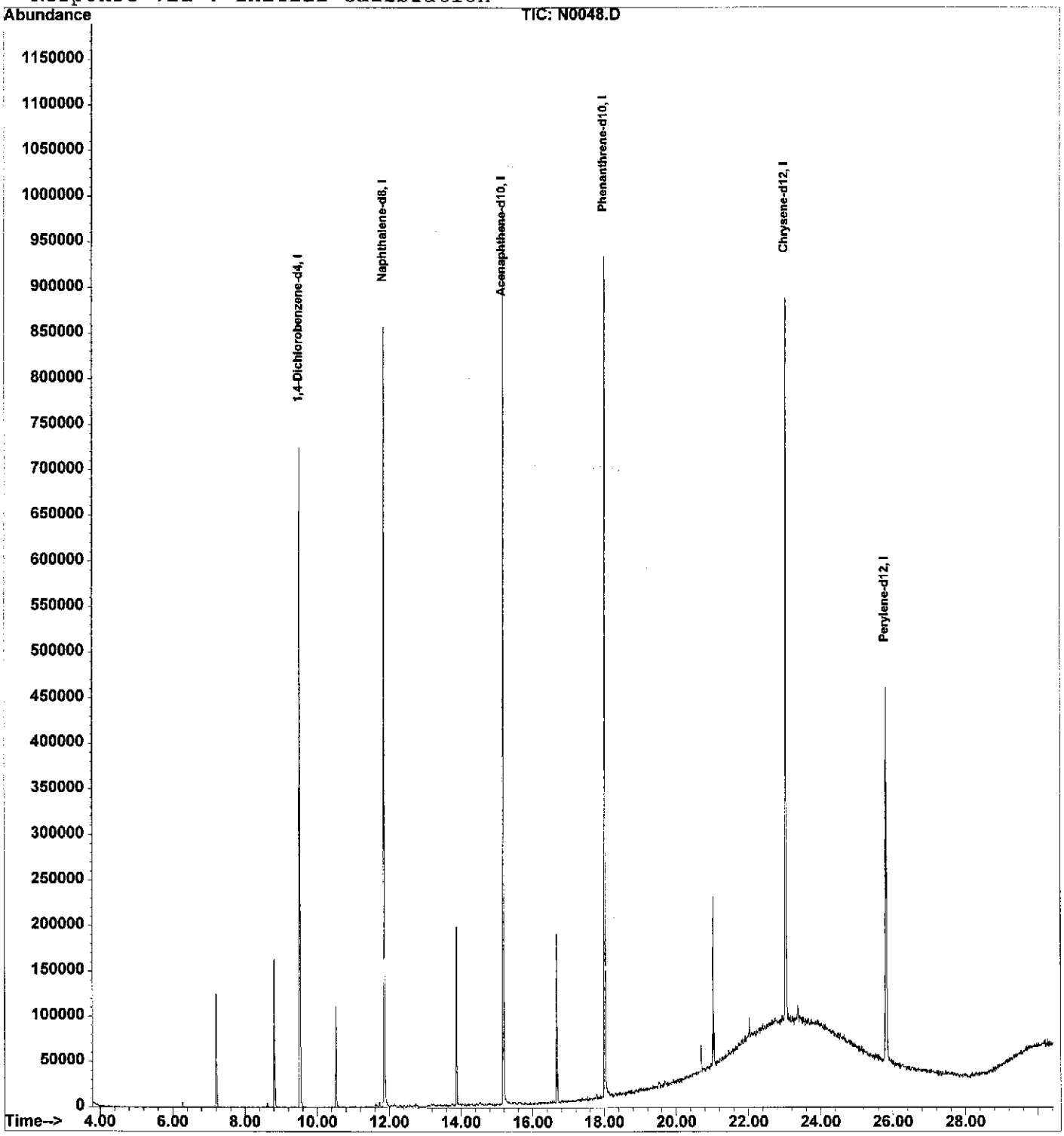
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0048.D NO14OLM.M Tue Oct 21 12:33:19 2008 P

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0048.D Vial: 12
Acq On : 20 Oct 2008 14:49 Operator: MEG
Sample : 0810110-005B Inst : #5MS26
Misc : DL ,8270W_OLM42, 50uL/.5mL Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:27 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 21 12:27:02 2008
Response via : Initial Calibration



N0048.D NO14OLM.M Tue Oct 21 12:33:19 2008 P

Standards Data

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator) 1382
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Initial Calibration

Calibration Files
160 =N9924.D 120 =N9925.D 80 =N9926.D
60 =N9927.D 50 =N9928.D 40 =N9929.D

		Compound	160	120	80	60	50	40	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)	T	1,4-Dioxane	0.593	0.561	0.567	0.575	0.553	0.589	0.574	2.54
3)	T	N-nitrosodimethylam	0.791	0.780	0.791	0.773	0.789	0.801	0.776	3.20
4)	T	Pyridine	1.450	1.406	1.421	1.395	1.418	1.421	1.406	2.20
5)	S	2-Fluorophenol	1.107	1.120	1.130	1.120	1.129	1.130	1.103	2.95
6)	S	Phenol-d5	1.475	1.500	1.532	1.520	1.512	1.527	1.510	1.37
7)	MC	Phenol	1.696	1.771	1.795	1.781	1.789	1.834	1.788	2.38
8)	T	Aniline	2.407	2.452	2.482	2.456	2.486	2.576	2.480	1.93
9)	T	bis(2-Chloroethyl)e	1.340	1.379	1.416	1.388	1.418	1.451	1.413	2.96
10)	S	2-Chlorophenol-d4							0.000	-1.00
11)	M	2-Chlorophenol	1.201	1.243	1.247	1.228	1.248	1.263	1.237	2.01
12)	T	1,3-Dichlorobenzene	1.451	1.485	1.513	1.478	1.513	1.536	1.514	2.56
13)	MC	1,4-Dichlorobenzene	1.422	1.439	1.487	1.457	1.461	1.497	1.480	2.68
14)	T	Benzyl alcohol	0.940	0.955	0.969	0.963	0.972	0.989	0.952	3.12
15)	S	1,2-Dichlorobenzene							0.000	-1.00
16)	T	1,2-Dichlorobenzene	1.357	1.393	1.422	1.392	1.422	1.447	1.422	3.07
17)	T	2-Methylphenol	1.256	1.291	1.303	1.288	1.309	1.331	1.308	2.08
18)	T	2,2'-oxybis(1-chlor	1.374	1.433	1.485	1.505	1.568	1.620	1.565	8.02
19)	T	bis(2-Chloroisoprop	1.374	1.433	1.485	1.505	1.568	1.620	1.565	8.02
20)	T	4-Methylphenol	1.334	1.370	1.416	1.399	1.405	1.442	1.391	2.18
21)	T	(3+4)-Methylphenol	1.334	1.370	1.416	1.399	1.405	1.442	1.391	2.18
22)	MP	N-Nitroso-di-n-prop	0.964	1.005	1.002	0.996	1.004	1.049	1.005	2.64
23)	T	Hexachloroethane	0.591	0.626	0.628	0.622	0.628	0.625	0.621	1.89
24)	I	Naphthalene-d8	ISTD							
25)	S	Nitrobenzene-d5	0.455	0.466	0.465	0.466	0.466	0.460	0.461	1.91
26)	T	Nitrobenzene	0.466	0.484	0.481	0.482	0.493	0.481	0.482	1.71
27)	T	Isophorone	0.860	0.880	0.883	0.869	0.875	0.874	0.871	1.38
28)	TC	2-Nitrophenol	0.240	0.245	0.241	0.243	0.245	0.236	0.232	7.12
29)	T	2,4-Dimethylphenol	0.380	0.399	0.397	0.391	0.388	0.388	0.384	3.08
30)	T	Benzoic acid	0.265	0.241	0.204	0.166	0.153	0.112	0.167	48.81
31)	T	bis(2-Chloroethoxy)	0.482	0.492	0.495	0.489	0.492	0.503	0.498	2.15
32)	TC	2,4-Dichlorophenol	0.355	0.359	0.356	0.348	0.350	0.350	0.344	4.92
33)	M	1,2,4-Trichlorobenz	0.389	0.399	0.397	0.390	0.389	0.386	0.388	1.77
34)	T	Naphthalene	0.925	0.962	0.958	0.949	0.964	0.974	0.969	2.71
35)	T	4-Chloroaniline	0.508	0.525	0.523	0.518	0.512	0.519	0.515	1.73
36)	TC	Hexachlorobutadiene	0.207	0.216	0.219	0.214	0.211	0.216	0.212	2.19
37)	MC	4-Chloro-3-methylph	0.352	0.357	0.356	0.352	0.352	0.350	0.347	4.01
38)	T	2-Methylnaphthalene	0.758	0.780	0.779	0.774	0.783	0.767	0.775	1.08
39)	I	Acenaphthene-d10	ISTD							
40)	T	1,2,4,5-Tetrachloro							0.000	-1.00
1)	TP	Hexachlorocyclopent	0.382	0.376	0.383	0.371	0.365	0.363	0.352	11.82

(#) = Out of Range ### Number of calibration levels exceeded format ###

10/15

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Initial Calibration

Calibration Files
160 =N9924.D 120 =N9925.D 80 =N9926.D
60 =N9927.D 50 =N9928.D 40 =N9929.D

		Compound	160	120	80	60	50	40	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.414	0.402	0.408	0.386	0.387	0.398	0.380	8.76
43)	T	2,4,5-Trichlorophen	0.490	0.482	0.492	0.477	0.483	0.484	0.464	7.03
44)	S	2-Fluorobiphenyl	1.230	1.242	1.242	1.228	1.247	1.263	1.242	1.01
45)	T	2-Chloronaphthalene	1.139	1.139	1.167	1.125	1.144	1.168	1.143	1.65
46)	T	2-Nitroaniline	0.471	0.470	0.467	0.474	0.477	0.494	0.470	2.63
47)	T	Dimethyl phthalate	1.451	1.450	1.465	1.446	1.446	1.497	1.448	1.87
48)	T	2,6-Dinitrotoluene	0.376	0.378	0.382	0.372	0.368	0.382	0.366	5.28
49)	T	Acenaphthylene	1.768	1.775	1.817	1.813	1.819	1.870	1.812	1.79
50)	T	3-Nitroaniline	0.425	0.413	0.422	0.420	0.421	0.429	0.414	3.38
51)	TCM	Acenaphthene	1.055	1.065	1.074	1.060	1.068	1.136	1.080	2.39
52)	TP	2,4-Dinitrophenol	0.271	0.271	0.264	0.239	0.224	0.209	0.231	20.01
53)	MP	4-Nitrophenol	0.211	0.207	0.201	0.192	0.187	0.185	0.192	8.75
54)	M	2,4-Dinitrotoluene	0.469	0.476	0.486	0.481	0.476	0.488	0.462	6.61
55)	T	Dibenzofuran	1.931	1.931	1.976	1.938	1.934	1.988	1.946	1.78
56)	T	Diethyl phthalate	1.411	1.395	1.425	1.414	1.420	1.463	1.421	1.69
57)	T	4-Chlorophenyl phen	0.611	0.615	0.632	0.609	0.612	0.617	0.608	2.59
58)	T	Fluorene	1.326	1.325	1.354	1.312	1.325	1.328	1.324	1.39
59)	T	4-Nitroaniline	0.427	0.412	0.432	0.424	0.435	0.424	0.414	4.89
60)	T	1,2-Diphenylhydrazi	1.500	1.521	1.592	1.612	1.636	1.687	1.622	4.55
61)	S	2,4,6-Tribromopheno	0.300	0.298	0.299	0.293	0.288	0.295	0.278	11.13
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	T	4,6-Dinitro-2-methy	0.145	0.173	0.175	0.165	0.166	0.160	0.160	8.78
64)	TC	n-Nitrosodiphenylam	0.521	0.504	0.515	0.509	0.520	0.527	0.515	1.53
65)	T	4-Bromophenyl pheny	0.217	0.215	0.213	0.212	0.216	0.218	0.213	3.27
66)	T	Hexachlorobenzene	0.279	0.277	0.281	0.278	0.286	0.291	0.284	1.98
67)	MC	Pentachlorophenol	0.158	0.159	0.157	0.146	0.145	0.135	0.143	13.62
68)	T	Phenanthrene	0.956	0.987	0.999	0.976	1.012	1.009	1.001	2.37
69)	T	Anthracene	0.988	1.020	1.018	1.007	1.043	1.040	1.021	1.86
70)	T	Carbazole	0.833	0.934	0.928	0.922	0.940	0.964	0.933	4.51
71)	T	Di-n-butyl phthalat	1.161	1.223	1.283	1.344	1.364	1.404	1.325	6.57
72)	TC	Fluoranthene	0.921	0.961	1.007	1.002	1.026	1.044	1.002	3.81
73)	I	Chrysene-d12	----------ISTD----------							
74)	T	Benzidine	0.489	0.540	0.512	0.544	0.522	0.567	0.538	6.33
75)	M	Pyrene	1.160	1.213	1.192	1.249	1.241	1.259	1.222	2.49
76)	S	Terphenyl-d14	0.663	0.708	0.707	0.729	0.730	0.741	0.718	3.47
77)	T	Butyl benzyl phthal	0.707	0.736	0.725	0.744	0.752	0.757	0.732	3.47
78)	T	3,3'-Dichlorobenzid	0.408	0.420	0.417	0.426	0.420	0.420	0.421	1.53
79)	T	Benzo[a]anthracene	1.064	1.088	1.069	1.064	1.074	1.096	1.078	1.02
80)	T	bis(2-Ethylhexyl)ph	1.008	1.045	1.020	1.050	1.034	1.074	1.032	3.06
81)	T	Chrysene	0.977	1.007	1.002	1.010	1.018	1.027	1.002	1.56
82)	TC	Di-n-octyl phthalat	1.851	1.900	1.842	1.872	1.866	1.880	1.818	5.17
3)	T	Indeno[1,2,3-cd]pyr	1.132	1.206	1.183	1.212	1.180	1.205	1.135	8.17

(#) = Out of Range ### Number of calibration levels exceeded format ###
NO14FULL.M Wed Oct 15 08:16:25 2008

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Initial Calibration

Calibration Files
160 =N9924.D 120 =N9925.D 80 =N9926.D
60 =N9927.D 50 =N9928.D 40 =N9929.D

		Compound	160	120	80	60	50	40	Avg	%RSD
84)	I	Perylene-d12	ISTD							
85)	T	Benzo[b]fluoranthen	1.201	1.123	1.072	1.058	1.093	1.097	1.087	4.97
86)	T	Benzo[k]fluoranthen	0.891	1.029	1.045	1.060	1.039	1.061	1.032	5.35
87)	TC	Benzo[a]pyrene	0.993	1.020	1.004	0.998	1.003	1.001	0.988	2.93
88)	T	Dibenz[a,h]anthrace	0.911	0.960	0.958	0.974	0.961	0.986	0.929	6.34
89)	T	Benzo[g,h,i]perylen	0.882	0.948	0.944	0.950	0.935	0.956	0.912	5.30

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

1382

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:15:54 2008
Response via : Initial Calibration

Calibration Files
20 =N9930.D 10 =N9931.D 5.0 =N9932.D
1.0 =N9753.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------					
2)	T	1,4-Dioxane	0.558	0.579	0.587			
3)	T	N-nitrosodimethylam	0.789	0.726	0.745			
4)	T*	Pyridine	1.414	1.393	1.337			
5)	S	2-Fluorophenol	1.094	1.046	1.054			
6)	S	Phenol-d5	1.536	1.492	1.494			
7)	MC	Phenol	1.841	1.810	1.771			
8)	T	Aniline	2.514	2.496	2.450			
9)	T	bis(2-Chloroethyl)e	1.429	1.410	1.485			
10)	S	2-Chlorophenol-d4						
11)	M	2-Chlorophenol	1.262	1.245	1.193			
12)	T	1,3-Dichlorobenzene	1.574	1.520	1.557			
13)	MC	1,4-Dichlorobenzene	1.551	1.512	1.494			
14)	T	Benzyl alcohol	0.968	0.905	0.904			
15)	S	1,2-Dichlorobenzene						
16)	T	1,2-Dichlorobenzene	1.441	1.412	1.513			
17)	T	2-Methylphenol	1.336	1.342	1.316			
)	T	2,2'-oxybis(1-chlor	1.657	1.692	1.751			
19)	T	bis(2-Chloroisoprop	1.657	1.692	1.751			
20)	T	4-Methylphenol	1.384	1.376	1.389			
21)	T	(3+4)-Methylphenol	1.384	1.376	1.389			
22)	MP	N-Nitroso-di-n-prop	1.036	1.015	0.975			
23)	T	Hexachloroethane	0.627	0.621	0.622			
24)	I	Naphthalene-d8	----------ISTD----------					
25)	S	Nitrobenzene-d5	0.467	0.458	0.440			
26)	T	Nitrobenzene	0.492	0.487	0.475			
27)	T	Isophorone	0.879	0.872	0.844			
28)	TC	2-Nitrophenol	0.232	0.212	0.198			
29)	T	2,4-Dimethylphenol	0.381	0.367	0.366			
30)	T	Benzoic acid	0.026					
31)	T	bis(2-Chloroethoxy)	0.510	0.511	0.509			
32)	TC	2,4-Dichlorophenol	0.343	0.325	0.307			
33)	M	1,2,4-Trichlorobenz	0.378	0.384	0.380			
34)	T	Naphthalene	0.971	1.006	1.009			
35)	T	4-Chloroaniline	0.519	0.518	0.496			
36)	TC	Hexachlorobutadiene	0.208	0.210	0.205			
37)	MC	4-Chloro-3-methylph	0.352	0.332	0.315			
38)	T	2-Methylnaphthalene	0.782	0.782	0.774			
39)	I	Acenaphthene-d10	----------ISTD----------					
40)	T	1,2,4,5-Tetrachloro						
)	TP	Hexachlorocyclopent	0.315	0.264				

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:15:54 2008
Response via : Initial Calibration

Calibration Files
20 =N9930.D 10 =N9931.D 5.0 =N9932.D
1.0 =N9753.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
42)	TC	2,4,6-Trichlorophen	0.370	0.347	0.310			
43)	T	2,4,5-Trichlorophen	0.448	0.418	0.405			
44)	S	2-Fluorobiphenyl	1.242	1.257	1.226			
45)	T	2-Chloronaphthalene	1.130	1.159	1.114			
46)	T*	2-Nitroaniline	0.465	0.461	0.448			
47)	T	Dimethyl phthalate	1.444	1.442	1.392			
48)	T	2,6-Dinitrotoluene	0.356	0.355	0.322			
49)	T	Acenaphthylene	1.802	1.849	1.798			
50)	T	3-Nitroaniline	0.409	0.398	0.386			
51)	TCM	Acenaphthene	1.074	1.106	1.083			
52)	TP	2,4-Dinitrophenol	0.141					
53)	MP	4-Nitrophenol	0.161					
54)	M	2,4-Dinitrotoluene	0.454	0.436	0.393			
55)	T	Dibenzofuran	1.968	1.973	1.874			
56)	T	Diethyl phthalate	1.431	1.443	1.384			
57)	T	4-Chlorophenyl phen	0.597	0.600	0.576			
58)	T	Fluorene	1.327	1.336	1.286			
[illegible])	T	4-Nitroaniline	0.409	0.385	0.378			
)	T	1,2-Diphenylhydrazi	1.681	1.710	1.663			
61)	S	2,4,6-Tribromopheno	0.272	0.242	0.212			
62)	I	Phenanthrene-d10	----------ISTD----------					
63)	T	4,6-Dinitro-2-methy	0.137					
64)	TC	n-Nitrosodiphenylam	0.511	0.519	0.505			
65)	T	4-Bromophenyl pheny	0.211	0.219	0.196			
66)	T	Hexachlorobenzene	0.291	0.290	0.282			
67)	MC	Pentachlorophenol	0.104					
68)	T	Phenanthrene	1.025	1.019	1.025			
69)	T	Anthracene	1.047	1.014	1.016			
70)	T	Carbazole	0.984	0.951	0.937			
71)	T	Di-n-butyl phthalat	1.419	1.394	1.329			
72)	TC	Fluoranthene	1.026	1.021	1.014			
73)	I	Chrysene-d12	----------ISTD----------					
74)	T	Benzidine	0.591					
75)	M	Pyrene	1.235	1.224	1.221			
76)	S	Terphenyl-d14	0.741	0.735	0.708			
77)	T	Butyl benzyl phthal	0.758	0.728	0.681			
78)	T	3,3'-Dichlorobenzid	0.423	0.432	0.422			
79)	T	Benzo[a]anthracene	1.082	1.079	1.084			
80)	T	bis(2-Ethylhexyl)ph	1.062	1.030	0.968			
81)	T	Chrysene	0.993	0.998	0.985			
82)	TC	Di-n-octyl phthalat	1.831	1.703	1.618			
)	T	Indeno[1,2,3-cd]pyr	1.120	1.040	0.937			

(#) = Out of Range ### Number of calibration levels exceeded format ###

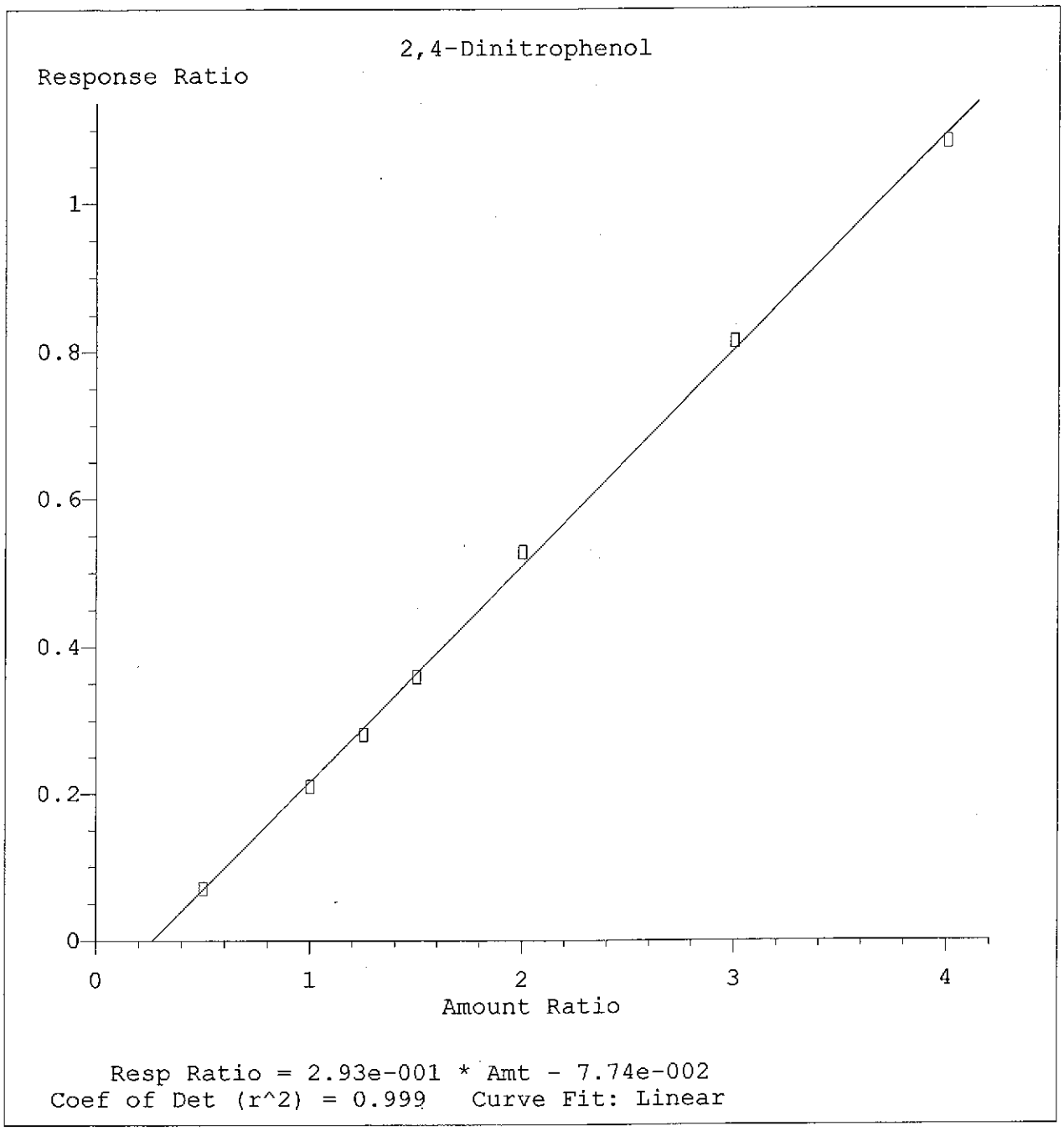
Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:15:54 2008
Response via : Initial Calibration

Calibration Files
20 =N9930.D 10 =N9931.D 5.0 =N9932.D
1.0 =N9753.D = =

		Compound	20	10	5.0	1.0	Avg	%RSD
84)	I	Perylene-d12	----------ISTD----------					
85)	T	Benzo[b]fluoranthen	1.072	1.061	1.003			
86)	T	Benzo[k]fluoranthen	1.072	1.061	1.031			
87)	TC	Benzo[a]pyrene	0.974	0.974	0.921			
88)	T	Dibenz[a,h]anthrace	0.942	0.869	0.804			
89)	T	Benzo[g,h,i]perylen	0.908	0.873	0.812			

(#) = Out of Range ### Number of calibration levels exceeded format ###



Method Name: C:\HPCHEM\1\METHODS\NO14FULL.M
Calibration Table Last Updated: Wed Oct 15 08:15:54 2008

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9924.D
Acq On : 14 Oct 2008 8:47
Sample : SSTD160PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:58 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.76	152	160759	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	536078	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	319572	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	568651	40.00	ug/mL	0.00
73) Chrysene-d12	23.33	240	479586	40.00	ug/mL	0.02
84) Perylene-d12	26.20	264	499113	40.00	ug/mL	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	7.43	112	711909	156.85	ug/mL	0.00
Spiked Amount 150.000			Recovery = 104.57%			
6) Phenol-d5	9.06	99	948459	156.11	ug/mL	0.02
Spiked Amount 150.000			Recovery = 104.07%			
10) 2-Chlorophenol-d4	9.38	132	927	0.00	ul/mL	0.00
Spiked Amount 150.000			Recovery = 0.00%			
15) 1,2-Dichlorobenzene-d4	9.76	152	160759	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery = 0.00%			
25) Nitrobenzene-d5	10.78	82	976725	156.37	ug/mL	0.02
Spiked Amount 100.000			Recovery = 156.37%			
44) 2-Fluorobiphenyl	14.13	172	1572756	157.88	ug/mL	0.00
Spiked Amount 100.000			Recovery = 157.88%			
61) 2,4,6-Tribromophenol	16.94	330	383686	166.76	ug/mL	0.01
Spiked Amount 150.000			Recovery = 111.17%			
76) Terphenyl-d14	21.29	244	1271304	145.31	ug/mL	0.01
Spiked Amount 100.000			Recovery = 145.31%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.44	88	152555	68.67	ug/mL	96
3) N-nitrosodimethylamine	5.05	74	508959	160.49	ug/mL	97
4) Pyridine	5.10	79	932498	163.66	ug/mL	99
7) Phenol	9.09	94	1090843	151.75	ug/mL	98
8) Aniline	9.17	93	1547470	154.87	ug/mL	100
9) bis(2-Chloroethyl)ether	9.27	93	861638	151.24	ug/mL	98
11) 2-Chlorophenol	9.39	128	772095	153.92	ug/mL	98
12) 1,3-Dichlorobenzene	9.66	146	933226	153.46	ug/mL	99
13) 1,4-Dichlorobenzene	9.79	146	914300	155.68	ug/mL	98
14) Benzyl alcohol	9.99	108	604416	154.80	ug/mL	97
16) 1,2-Dichlorobenzene	10.07	146	872445	152.68	ug/mL	100
17) 2-Methylphenol	10.17	108	807549	153.44	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.23	45	883803	140.22	ug/mL	99
19) bis(2-Chloroisopropyl)ethe	10.23	45	883803	140.22	ug/mL	99
20) 4-Methylphenol	10.46	108	858116	152.01	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9924.D
Acq On : 14 Oct 2008 8:47
Sample : SSTD160PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:58 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	(3+4)-Methylphenol	10.46	108	858116	152.01 ug/mL	99
22)	N-Nitroso-di-n-propylamine	10.51	70	619623	153.53 ug/mL	99
23)	Hexachloroethane	10.69	117	379910	150.41 ug/mL	97
26)	Nitrobenzene	10.82	77	999709	151.34 ug/mL	99
27)	Isophorone	11.27	82	1845086	157.36 ug/mL	99
28)	2-Nitrophenol	11.39	139	515508	156.96 ug/mL	97
29)	2,4-Dimethylphenol	11.43	107	815301	156.72 ug/mL	100
30)	Benzoic acid	11.72	105	568918	277.80 ug/mL	98
31)	bis(2-Chloroethoxy)methane	11.62	93	1032507	156.73 ug/mL	99
32)	2,4-Dichlorophenol	11.83	162	760589	162.05 ug/mL	99
33)	1,2,4-Trichlorobenzene	12.00	180	834141	160.12 ug/mL	99
34)	Naphthalene	12.16	128	1984088	153.58 ug/mL#	100
35)	4-Chloroaniline	12.23	127	1090075	159.00 ug/mL	98
36)	Hexachlorobutadiene	12.36	225	444046	156.71 ug/mL	99
37)	4-Chloro-3-methylphenol	13.11	107	754903	159.82 ug/mL	99
38)	2-Methylnaphthalene	13.45	142	1624991	154.87 ug/mL	99
41)	Hexachlorocyclopentadiene	13.74	237	487956	167.49 ug/mL	100
42)	2,4,6-Trichlorophenol	13.96	196	528908	171.01 ug/mL	97
43)	2,4,5-Trichlorophenol	14.03	196	626074	162.10 ug/mL	99
45)	2-Chloronaphthalene	14.38	162	1456094	159.28 ug/mL	99
46)	2-Nitroaniline	14.56	65	602590	158.26 ug/mL	98
47)	Dimethyl phthalate	14.90	163	1855415	160.58 ug/mL	100
48)	2,6-Dinitrotoluene	15.02	165	480914	163.37 ug/mL	99
49)	Acenaphthylene	15.18	152	2260407	155.51 ug/mL	99
50)	3-Nitroaniline	15.35	138	543374	161.50 ug/mL	99
51)	Acenaphthene	15.51	153	1348119	158.01 ug/mL	97
52)	2,4-Dinitrophenol	15.54	184	346232	193.17 ug/mL#	1
53)	4-Nitrophenol	15.63	109	269899	180.95 ug/mL	86
54)	2,4-Dinitrotoluene	15.79	165	599289	157.43 ug/mL	99
55)	Dibenzofuran	15.84	168	2468300	159.76 ug/mL	99
56)	Diethyl phthalate	16.23	149	1803899m	158.99 ug/mL	
57)	4-Chlorophenyl phenyl ethe	16.47	204	781438	159.74 ug/mL	99
58)	Fluorene	16.49	166	1694960	160.08 ug/mL	100
59)	4-Nitroaniline	16.55	138	545887m	156.91 ug/mL	
60)	1,2-Diphenylhydrazine	16.78	77	1917755	146.69 ug/mL	97
63)	4,6-Dinitro-2-methylphenol	16.58	198	330550	139.87 ug/mL	98
64)	n-Nitrosodiphenylamine	16.69	169	1186150	160.57 ug/mL	99
65)	4-Bromophenyl phenyl ether	17.41	248	494280	160.91 ug/mL	100
66)	Hexachlorobenzene	17.53	284	634221	156.14 ug/mL	99
67)	Pentachlorophenol	17.89	266	359313	173.98 ug/mL	99
68)	Phenanthrene	18.33	178	2175195	151.14 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9924.D
Acq On : 14 Oct 2008 8:47
Sample : SSTD160PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:58 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) Anthracene	18.43	178	2247096	151.53 ug/mL	99
70) Carbazole	18.72	167	1894431	141.74 ug/mL	99
71) Di-n-butyl phthalate	19.33	149	2640897	136.23 ug/mL	100
72) Fluoranthene	20.60	202	2095541	143.68 ug/mL	96
74) Benzidine	20.82	184	937931	149.74 ug/mL	99
75) Pyrene	21.04	202	2225880	149.61 ug/mL	96
77) Butyl benzyl phthalate	22.20	149	1355974	150.38 ug/mL	99
78) 3,3'-Dichlorobenzidine	23.24	252	783055	155.60 ug/mL	100
79) Benzo[a]anthracene	23.30	228	2040381	158.51 ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.25	149	1932978	155.96 ug/mL	97
81) Chrysene	23.39	228	1874983	153.69 ug/mL	99
82) Di-n-octyl phthalate	24.44	149	3550580	158.73 ug/mL	99
83) Indeno[1,2,3-cd]pyrene	29.01	276	2171883	153.52 ug/mL	97
85) Benzo[b]fluoranthene	25.37	252	2397542	175.79 ug/mL	99
86) Benzo[k]fluoranthene	25.43	252	1777968	137.16 ug/mL	99
87) Benzo[a]pyrene	26.10	252	1981968	158.30 ug/mL	99
88) Dibenz[a,h]anthracene	29.05	278	1819154	151.70 ug/mL	99
89) Benzo[g,h,i]perylene	29.63	276	1760594	150.91 ug/mL	99

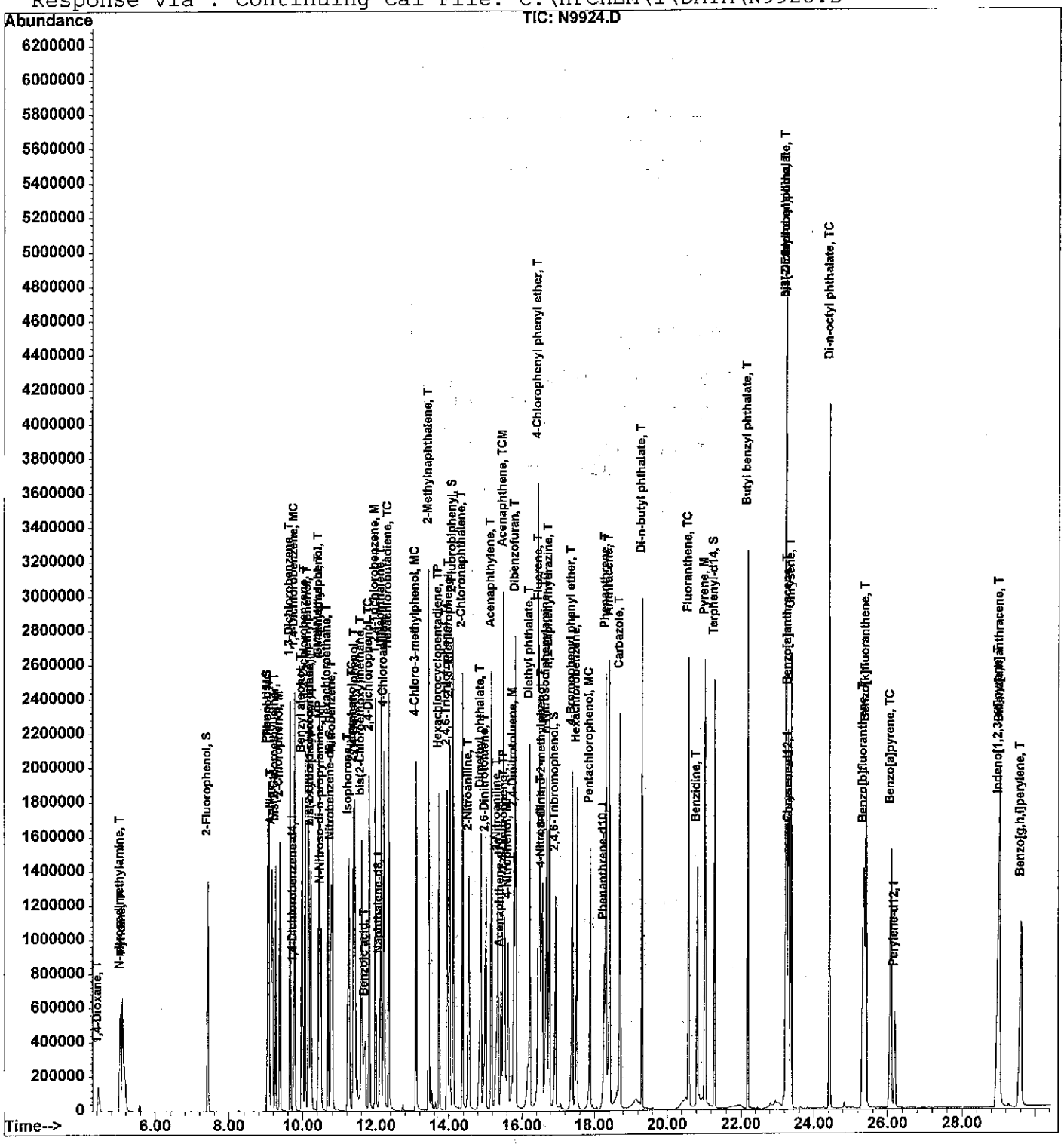
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9924.D
Acq On : 14 Oct 2008 8:47
Sample : SSTD160PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:58 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9925.D
Acq On : 14 Oct 2008 9:25
Sample : SSTD120PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:53 2008

Vial: 3
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.76	152	156094	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	522056	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.44	164	321835	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	579569	40.00	ug/mL	0.00
73) Chrysene-d12	23.32	240	485433	40.00	ug/mL	0.00
84) Perylene-d12	26.20	264	512160	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	524589	119.03	ug/mL	0.00
Spiked Amount 150.000			Recovery =	79.35%		
6) Phenol-d5	9.05	99	702645	119.11	ug/mL	0.01
Spiked Amount 150.000			Recovery =	79.41%		
10) 2-Chlorophenol-d4	9.38	132	610	0.00	ul/mL	0.00
Spiked Amount 150.000			Recovery =	0.00%		
15) 1,2-Dichlorobenzene-d4	9.76	152	156094	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery =	0.00%		
25) Nitrobenzene-d5	10.77	82	730205	120.04	ug/mL	0.01
Spiked Amount 100.000			Recovery =	120.04%		
44) 2-Fluorobiphenyl	14.13	172	1199142	119.53	ug/mL	0.00
Spiked Amount 100.000			Recovery =	119.53%		
61) 2,4,6-Tribromophenol	16.94	330	288048	124.32	ug/mL	0.00
Spiked Amount 150.000			Recovery =	82.88%		
76) Terphenyl-d14	21.29	244	1030714	116.39	ug/mL	0.00
Spiked Amount 100.000			Recovery =	116.39%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.44	88	105022	48.69	ug/mL	97
3) N-nitrosodimethylamine	5.04	74	365075	118.56	ug/mL	96
4) Pyridine	5.10	79	658500	119.03	ug/mL	98
7) Phenol	9.07	94	829192	118.80	ug/mL	99
8) Aniline	9.17	93	1148018	118.33	ug/mL	100
9) bis(2-Chloroethyl)ether	9.26	93	645626	116.71	ug/mL	98
11) 2-Chlorophenol	9.38	128	582275	119.55	ug/mL	98
12) 1,3-Dichlorobenzene	9.66	146	695309	117.76	ug/mL	100
13) 1,4-Dichlorobenzene	9.79	146	674089	118.21	ug/mL	98
14) Benzyl alcohol	9.99	108	447356	118.00	ug/mL	99
16) 1,2-Dichlorobenzene	10.07	146	652516	117.61	ug/mL	100
17) 2-Methylphenol	10.16	108	604694	118.33	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.23	45	670915	109.63	ug/mL	99
19) bis(2-Chloroisopropyl)ethe	10.23	45	670915	109.63	ug/mL	99
20) 4-Methylphenol	10.45	108	641588	117.05	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9925.D
Acq On : 14 Oct 2008 9:25
Sample : SSTD120PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:53 2008

Vial: 3
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	(3+4)-Methylphenol	10.45	108	641588	117.05 ug/mL	99
22)	N-Nitroso-di-n-propylamine	10.49	70	470803	120.15 ug/mL	100
23)	Hexachloroethane	10.69	117	293211	119.55 ug/mL	99
26)	Nitrobenzene	10.81	77	758096	117.85 ug/mL	99
27)	Isophorone	11.25	82	1377551	120.64 ug/mL	99
28)	2-Nitrophenol	11.38	139	383463	119.89 ug/mL	97
29)	2,4-Dimethylphenol	11.43	107	624528	123.27 ug/mL	99
30)	Benzoic acid	11.68	105	377858	189.46 ug/mL	98
31)	bis(2-Chloroethoxy)methane	11.61	93	770667	120.12 ug/mL	100
32)	2,4-Dichlorophenol	11.83	162	562853	123.15 ug/mL	100
33)	1,2,4-Trichlorobenzene	11.99	180	624877	123.17 ug/mL	100
34)	Naphthalene	12.15	128	1505981	119.70 ug/mL#	100
35)	4-Chloroaniline	12.24	127	822514	123.20 ug/mL	98
36)	Hexachlorobutadiene	12.36	225	337677	122.37 ug/mL	100
37)	4-Chloro-3-methylphenol	13.10	107	559290	121.58 ug/mL	100
38)	2-Methylnaphthalene	13.45	142	1221757	119.56 ug/mL	100
41)	Hexachlorocyclopentadiene	13.73	237	363308	123.83 ug/mL	99
42)	2,4,6-Trichlorophenol	13.96	196	388419	124.70 ug/mL	99
43)	2,4,5-Trichlorophenol	14.03	196	465028	119.55 ug/mL	99
45)	2-Chloronaphthalene	14.38	162	1099684	119.45 ug/mL	99
46)	2-Nitroaniline	14.56	65	453680	118.31 ug/mL	99
47)	Dimethyl phthalate	14.89	163	1399614	120.28 ug/mL	100
48)	2,6-Dinitrotoluene	15.02	165	365027	123.13 ug/mL	99
49)	Acenaphthylene	15.17	152	1713370	117.05 ug/mL	99
50)	3-Nitroaniline	15.35	138	398544	117.62 ug/mL	99
51)	Acenaphthene	15.50	153	1028244	119.67 ug/mL	97
52)	2,4-Dinitrophenol	15.54	184	261855	145.07 ug/mL#	1
53)	4-Nitrophenol	15.62	109	199538	132.84 ug/mL	94
54)	2,4-Dinitrotoluene	15.78	165	459274	119.80 ug/mL	99
55)	Dibenzofuran	15.83	168	1864754	119.85 ug/mL	99
56)	Diethyl phthalate	16.23	149	1347037	117.89 ug/mL	99
57)	4-Chlorophenyl phenyl ethe	16.46	204	593750	120.52 ug/mL	99
58)	Fluorene	16.49	166	1279456	119.99 ug/mL	100
59)	4-Nitroaniline	16.54	138	397450	113.44 ug/mL	96
60)	1,2-Diphenylhydrazine	16.77	77	1468295	111.52 ug/mL	98
63)	4,6-Dinitro-2-methylphenol	16.58	198	300481	124.75 ug/mL	99
64)	n-Nitrosodiphenylamine	16.69	169	876799	116.46 ug/mL	100
65)	4-Bromophenyl phenyl ether	17.40	248	373887	119.42 ug/mL	99
66)	Hexachlorobenzene	17.53	284	482355	116.51 ug/mL	98
67)	Pentachlorophenol	17.89	266	276656	131.44 ug/mL	99
68)	Phenanthrene	18.33	178	1715732	116.97 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9925.D Vial: 3
Acq On : 14 Oct 2008 9:25 Operator: MEG
Sample : SSTD120PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:53 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

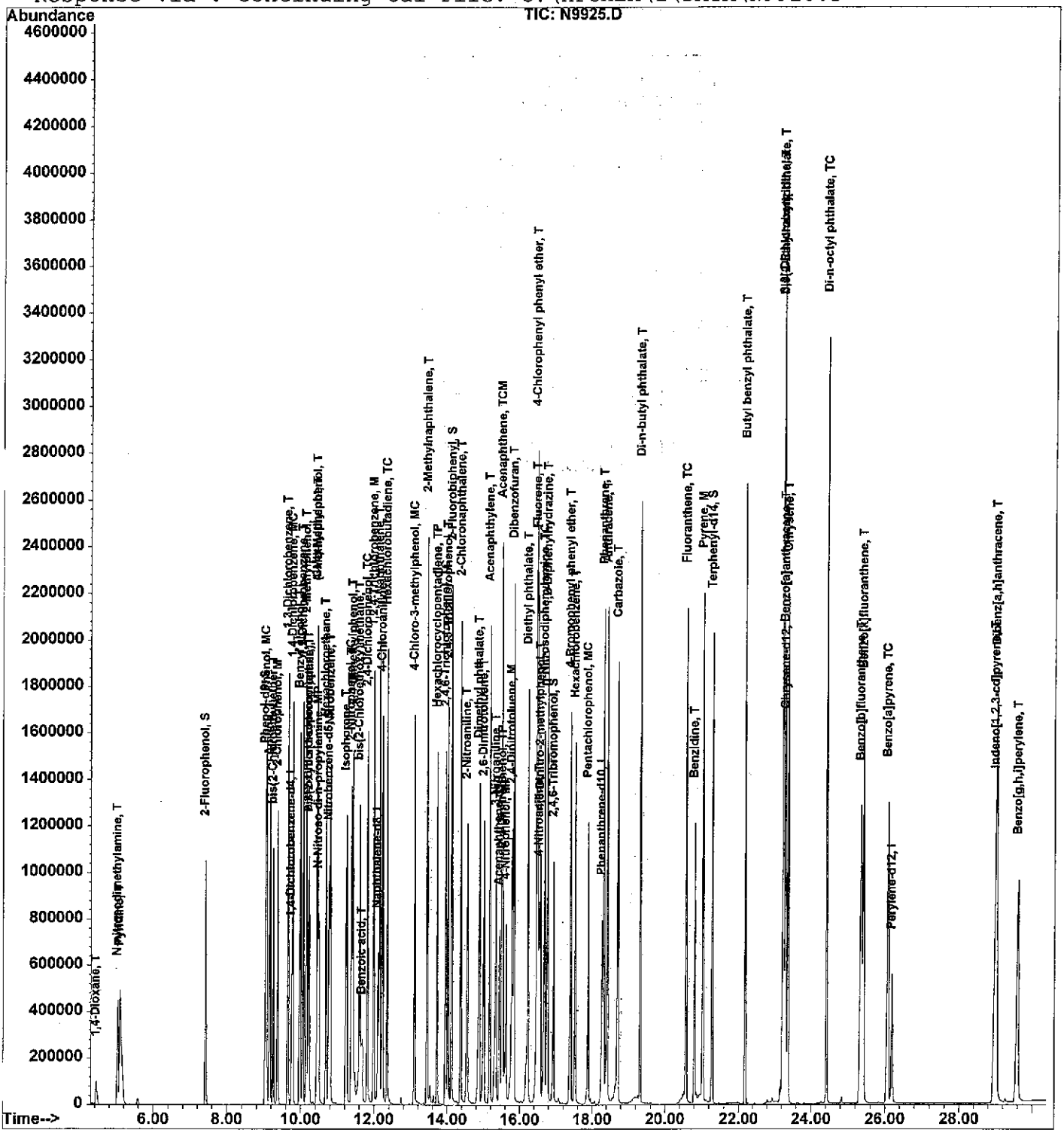
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	Anthracene	18.43	178	1772625	117.28	ug/mL	99
70)	Carbazole	18.72	167	1623682	119.19	ug/mL	99
71)	Di-n-butyl phthalate	19.33	149	2127117	107.66	ug/mL	100
72)	Fluoranthene	20.60	202	1670895	112.40	ug/mL	97
74)	Benzidine	20.82	184	785724	123.93	ug/mL	98
75)	Pyrene	21.04	202	1766430	117.30	ug/mL	96
77)	Butyl benzyl phthalate	22.19	149	1071958	117.45	ug/mL	99
78)	3,3'-Dichlorobenzidine	23.23	252	611280	120.00	ug/mL	99
79)	Benzo[a]anthracene	23.30	228	1583958	121.57	ug/mL	99
80)	bis(2-Ethylhexyl)phthalate	23.25	149	1521608	121.29	ug/mL	98
81)	Chrysene	23.38	228	1466477	118.76	ug/mL	99
82)	Di-n-octyl phthalate	24.43	149	2767487	122.23	ug/mL	99
83)	Indeno[1,2,3-cd]pyrene	29.00	276	1756161	122.64	ug/mL	97
85)	Benzo[b]fluoranthene	25.35	252	1724988	123.26	ug/mL	99
86)	Benzo[k]fluoranthene	25.42	252	1581582	118.90	ug/mL	98
87)	Benzo[a]pyrene	26.09	252	1566508	121.93	ug/mL	99
88)	Dibenz[a,h]anthracene	29.03	278	1475255	119.89	ug/mL	100
89)	Benzo[g,h,i]perylene	29.61	276	1456076	121.63	ug/mL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9925.D Vial: 3
Acq On : 14 Oct 2008 9:25 Operator: MEG
Sample : SSTD120PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:53 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9926.D
Acq On : 14 Oct 2008 10:04
Sample : SSTD080PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 4
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.76	152	169590	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	575680	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.44	164	345674	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	632347	40.00	ug/mL	0.00
73) Chrysene-d12	23.32	240	551265	40.00	ug/mL	0.00
84) Perylene-d12	26.20	264	577338	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	383258	80.04	ug/mL	0.00
Spiked Amount 150.000			Recovery = 53.36%			
6) Phenol-d5	9.04	99	519564	81.06	ug/mL	0.00
Spiked Amount 150.000			Recovery = 54.04%			
10) 2-Chlorophenol-d4	9.38	132	412	0.00	ul/mL	0.00
Spiked Amount 150.000			Recovery = 0.00%			
15) 1,2-Dichlorobenzene-d4	9.76	152	169590	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery = 0.00%			
25) Nitrobenzene-d5	10.77	82	535874	79.89	ug/mL	0.00
Spiked Amount 100.000			Recovery = 79.89%			
44) 2-Fluorobiphenyl	14.13	172	858763	79.69	ug/mL	0.00
Spiked Amount 100.000			Recovery = 79.69%			
61) 2,4,6-Tribromophenol	16.93	330	206737	83.07	ug/mL	0.00
Spiked Amount 150.000			Recovery = 55.38%			
76) Terphenyl-d14	21.28	244	779443	77.50	ug/mL	0.00
Spiked Amount 100.000			Recovery = 77.50%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.45	88	76903	32.81	ug/mL	98
3) N-nitrosodimethylamine	5.04	74	268439	80.24	ug/mL	97
4) Pyridine	5.10	79	481832	80.16	ug/mL	99
7) Phenol	9.07	94	608865	80.29	ug/mL	99
8) Aniline	9.16	93	841914	79.87	ug/mL	100
9) bis(2-Chloroethyl)ether	9.26	93	480172	79.89	ug/mL	98
11) 2-Chlorophenol	9.38	128	422791	79.90	ug/mL	99
12) 1,3-Dichlorobenzene	9.66	146	513160	79.99	ug/mL	100
13) 1,4-Dichlorobenzene	9.79	146	504290	81.40	ug/mL	98
14) Benzyl alcohol	9.99	108	328668	79.79	ug/mL	99
16) 1,2-Dichlorobenzene	10.07	146	482251	80.00	ug/mL	99
17) 2-Methylphenol	10.16	108	442025	79.62	ug/mL	99
18) 2,2'-oxybis(1-chloropropan	10.22	45	503833	75.77	ug/mL	99
19) bis(2-Chloroisopropyl)ethe	10.22	45	503833	75.77	ug/mL	99
20) 4-Methylphenol	10.44	108	480130	80.63	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9926.D
Acq On : 14 Oct 2008 10:04
Sample : SSTD080PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 4
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) (3+4)-Methylphenol	10.44	108	480130	80.63 ug/mL	99
22) N-Nitroso-di-n-propylamine	10.48	70	339774	79.81 ug/mL	100
23) Hexachloroethane	10.69	117	213103	79.98 ug/mL	100
26) Nitrobenzene	10.81	77	554201	78.13 ug/mL	99
27) Isophorone	11.24	82	1016736	80.75 ug/mL	99
28) 2-Nitrophenol	11.38	139	277992	78.82 ug/mL	98
29) 2,4-Dimethylphenol	11.42	107	457038	81.81 ug/mL	100
30) Benzoic acid	11.65	105	235433	107.05 ug/mL	96
31) bis(2-Chloroethoxy)methane	11.61	93	569715	80.53 ug/mL	98
32) 2,4-Dichlorophenol	11.83	162	409411	81.23 ug/mL	99
33) 1,2,4-Trichlorobenzene	11.99	180	456784	81.65 ug/mL	100
34) Naphthalene	12.16	128	1102494	79.47 ug/mL#	100
35) 4-Chloroaniline	12.23	127	601903	81.76 ug/mL	98
36) Hexachlorobutadiene	12.36	225	252030	82.83 ug/mL	99
37) 4-Chloro-3-methylphenol	13.10	107	409975	80.82 ug/mL	100
38) 2-Methylnaphthalene	13.45	142	897262	79.63 ug/mL	99
41) Hexachlorocyclopentadiene	13.73	237	264463	83.92 ug/mL	99
42) 2,4,6-Trichlorophenol	13.96	196	281741	84.21 ug/mL	98
43) 2,4,5-Trichlorophenol	14.03	196	339978	81.38 ug/mL	100
45) 2-Chloronaphthalene	14.38	162	807127	81.63 ug/mL	99
46) 2-Nitroaniline	14.56	65	322610	78.33 ug/mL	99
47) Dimethyl phthalate	14.89	163	1012769	81.03 ug/mL	100
48) 2,6-Dinitrotoluene	15.01	165	263926	82.89 ug/mL	100
49) Acenaphthylene	15.17	152	1256189	79.90 ug/mL	99
50) 3-Nitroaniline	15.34	138	292024	80.24 ug/mL	99
51) Acenaphthene	15.50	153	742630	80.47 ug/mL	98
52) 2,4-Dinitrophenol	15.53	184	182318	94.04 ug/mL#	81
53) 4-Nitrophenol	15.62	109	139132	86.24 ug/mL	98
54) 2,4-Dinitrotoluene	15.78	165	335691	81.52 ug/mL	99
55) Dibenzofuran	15.83	168	1365782	81.72 ug/mL	100
56) Diethyl phthalate	16.22	149	985294	80.28 ug/mL	100
57) 4-Chlorophenyl phenyl ethe	16.46	204	437151	82.61 ug/mL	99
58) Fluorene	16.48	166	936391	81.76 ug/mL	99
59) 4-Nitroaniline	16.52	138	298352	79.28 ug/mL	95
60) 1,2-Diphenylhydrazine	16.77	77	1100299	77.81 ug/mL	99
63) 4,6-Dinitro-2-methylphenol	16.56	198	220880	84.05 ug/mL	96
64) n-Nitrosodiphenylamine	16.68	169	650954	79.25 ug/mL	100
65) 4-Bromophenyl phenyl ether	17.40	248	269356	78.85 ug/mL	99
66) Hexachlorobenzene	17.53	284	355158	78.63 ug/mL	99
67) Pentachlorophenol	17.89	266	198711	86.53 ug/mL	99
68) Phenanthrene	18.32	178	1263152	78.93 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9926.D
Acq On : 14 Oct 2008 10:04
Sample : SSTD080PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 4
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

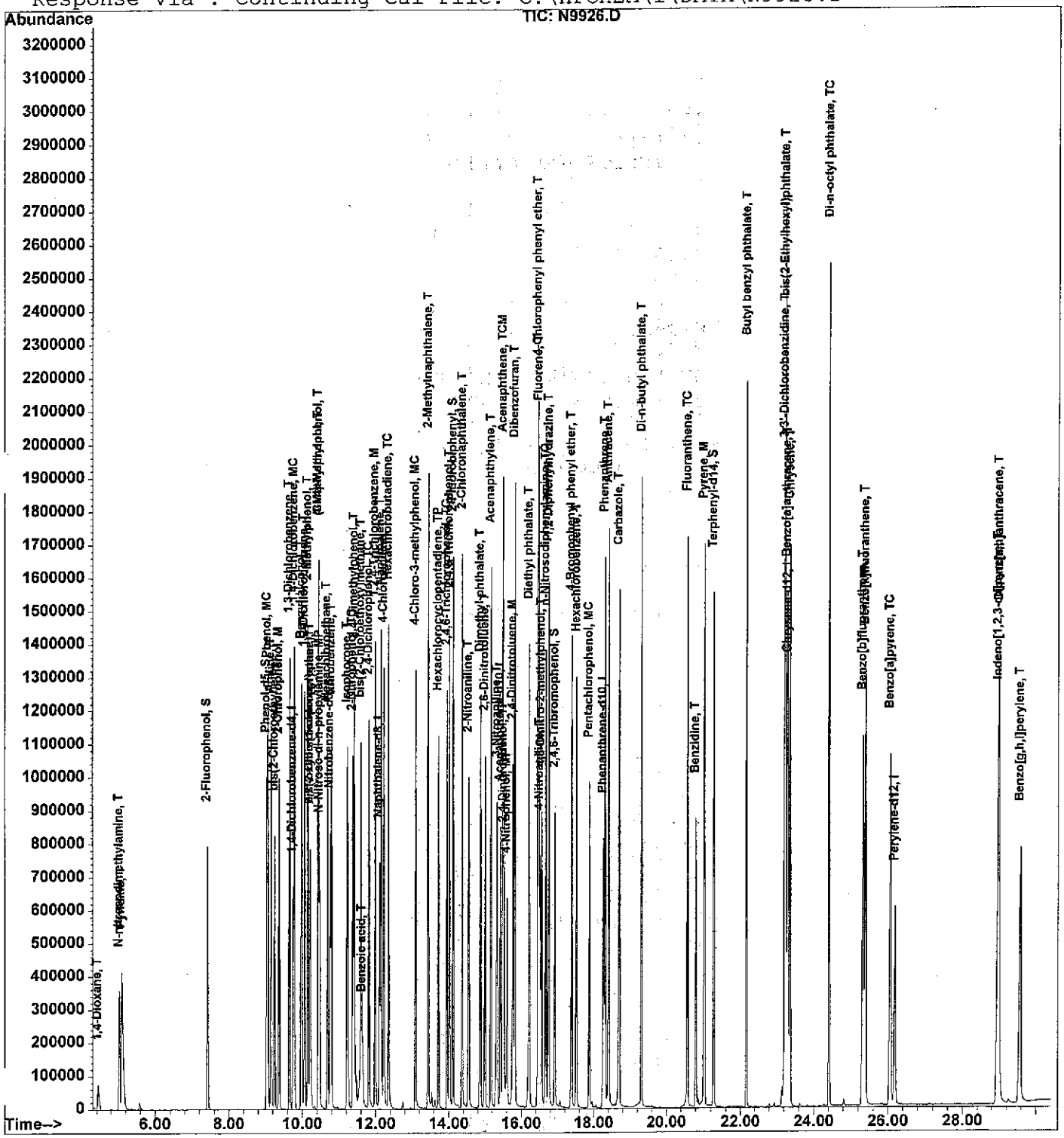
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) Anthracene	18.42	178	1287699	78.09 ug/mL	99
70) Carbazole	18.71	167	1174198	79.00 ug/mL	100
71) Di-n-butyl phthalate	19.32	149	1622882	75.28 ug/mL	100
72) Fluoranthene	20.59	202	1273498	78.52 ug/mL	98
74) Benzidine	20.81	184	564549	78.41 ug/mL	99
75) Pyrene	21.03	202	1314313	76.85 ug/mL	98
77) Butyl benzyl phthalate	22.19	149	799783	77.16 ug/mL	100
78) 3,3'-Dichlorobenzidine	23.22	252	460212	79.56 ug/mL	99
79) Benzo[a]anthracene	23.29	228	1178841	79.67 ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.25	149	1124214	78.91 ug/mL	99
81) Chrysene	23.37	228	1104301	78.75 ug/mL	99
82) Di-n-octyl phthalate	24.43	149	2030876	78.99 ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.98	276	1304417	80.21 ug/mL	98
85) Benzo[b]fluoranthene	25.34	252	1238107	78.48 ug/mL	100
86) Benzo[k]fluoranthene	25.41	252	1207100	80.50 ug/mL	99
87) Benzo[a]pyrene	26.08	252	1159119	80.03 ug/mL	99
88) Dibenz[a,h]anthracene	29.01	278	1106257	79.75 ug/mL	99
89) Benzo[g,h,i]perylene	29.59	276	1089533	80.73 ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9926.D Vial: 4
Acq On : 14 Oct 2008 10:04 Operator: MEG
Sample : SSTD080PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9927.D
Acq On : 14 Oct 2008 10:42
Sample : SSTD060PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 5
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	158210	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	528225	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	319947	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	588067	40.00	ug/mL	0.00
73) Chrysene-d12	23.31	240	501924	40.00	ug/mL	0.00
84) Perylene-d12	26.19	264	529510	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	265725	59.49	ug/mL	0.00
Spiked Amount 150.000			Recovery = 39.66%			
6) Phenol-d5	9.03	99	360778	60.34	ug/mL	0.00
Spiked Amount 150.000			Recovery = 40.23%			
10) 2-Chlorophenol-d4	0.00	132	0	0.00	ul/mL	
Spiked Amount 150.000			Recovery = 0.00%			
15) 1,2-Dichlorobenzene-d4	9.75	152	158210	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery = 0.00%			
25) Nitrobenzene-d5	10.76	82	369109	59.97	ug/mL	0.00
Spiked Amount 100.000			Recovery = 59.97%			
44) 2-Fluorobiphenyl	14.13	172	589432	59.10	ug/mL	0.00
Spiked Amount 100.000			Recovery = 59.10%			
61) 2,4,6-Tribromophenol	16.93	330	140635	61.05	ug/mL	0.00
Spiked Amount 150.000			Recovery = 40.70%			
76) Terphenyl-d14	21.28	244	548716	59.93	ug/mL	0.00
Spiked Amount 100.000			Recovery = 59.93%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.44	88	54620	24.98	ug/mL	96
3) N-nitrosodimethylamine	5.03	74	183549	58.81	ug/mL	99
4) Pyridine	5.09	79	331089	59.05	ug/mL	99
7) Phenol	9.06	94	422767	59.76	ug/mL	100
8) Aniline	9.16	93	582760	59.26	ug/mL	100
9) bis(2-Chloroethyl)ether	9.25	93	329406	58.75	ug/mL	100
11) 2-Chlorophenol	9.37	128	291485	59.05	ug/mL	100
12) 1,3-Dichlorobenzene	9.66	146	350730	58.61	ug/mL	100
13) 1,4-Dichlorobenzene	9.78	146	345730	59.82	ug/mL	98
14) Benzyl alcohol	9.98	108	228507	59.47	ug/mL	99
16) 1,2-Dichlorobenzene	10.07	146	330410	58.76	ug/mL	100
17) 2-Methylphenol	10.15	108	305720	59.03	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.22	45	357257	57.59	ug/mL	99
19) bis(2-Chloroisopropyl)ethe	10.22	45	357257	57.59	ug/mL	99
20) 4-Methylphenol	10.43	108	332121	59.78	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9927.D
Acq On : 14 Oct 2008 10:42
Sample : SSTD060PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 5
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21)	(3+4)-Methylphenol	10.43	108	332121	59.78 ug/mL	99
22)	N-Nitroso-di-n-propylamine	10.47	70	236461	59.54 ug/mL	99
23)	Hexachloroethane	10.68	117	147576	59.37 ug/mL	100
26)	Nitrobenzene	10.80	77	381784	58.66 ug/mL	99
27)	Isophorone	11.23	82	688715	59.61 ug/mL	99
28)	2-Nitrophenol	11.38	139	192371	59.44 ug/mL	99
29)	2,4-Dimethylphenol	11.42	107	309491	60.38 ug/mL	100
30)	Benzoic acid	11.62	105	131181	65.01 ug/mL	99
31)	bis(2-Chloroethoxy)methane	11.61	93	387663	59.72 ug/mL	100
32)	2,4-Dichlorophenol	11.82	162	276105	59.70 ug/mL	99
33)	1,2,4-Trichlorobenzene	11.98	180	308696	60.14 ug/mL	99
34)	Naphthalene	12.15	128	752230	59.09 ug/mL#	100
35)	4-Chloroaniline	12.22	127	410416	60.75 ug/mL	99
36)	Hexachlorobutadiene	12.35	225	169214	60.61 ug/mL	99
37)	4-Chloro-3-methylphenol	13.10	107	278863	59.91 ug/mL	100
38)	2-Methylnaphthalene	13.45	142	613264	59.31 ug/mL	99
41)	Hexachlorocyclopentadiene	13.73	237	178045	61.04 ug/mL	99
42)	2,4,6-Trichlorophenol	13.96	196	185326	59.85 ug/mL	98
43)	2,4,5-Trichlorophenol	14.02	196	228774	59.16 ug/mL	99
45)	2-Chloronaphthalene	14.37	162	540150	59.02 ug/mL	100
46)	2-Nitroaniline	14.55	65	227282	59.62 ug/mL	100
47)	Dimethyl phthalate	14.88	163	694036	60.00 ug/mL	100
48)	2,6-Dinitrotoluene	15.00	165	178596	60.60 ug/mL	99
49)	Acenaphthylene	15.17	152	869926	59.78 ug/mL	99
50)	3-Nitroaniline	15.33	138	201548	59.83 ug/mL	99
51)	Acenaphthene	15.50	153	508823	59.57 ug/mL	98
52)	2,4-Dinitrophenol	15.52	184	114636	63.88 ug/mL	93
53)	4-Nitrophenol	15.61	109	92002	61.61 ug/mL	98
54)	2,4-Dinitrotoluene	15.78	165	230637	60.51 ug/mL	99
55)	Dibenzofuran	15.83	168	929973	60.12 ug/mL	100
56)	Diethyl phthalate	16.22	149	678407	59.72 ug/mL	100
57)	4-Chlorophenyl phenyl ethe	16.46	204	292068	59.63 ug/mL	100
58)	Fluorene	16.48	166	629459	59.38 ug/mL	100
59)	4-Nitroaniline	16.51	138	203329	58.38 ug/mL	90
60)	1,2-Diphenylhydrazine	16.76	77	773435	59.09 ug/mL	99
63)	4,6-Dinitro-2-methylphenol	16.55	198	145427	59.50 ug/mL	99
64)	n-Nitrosodiphenylamine	16.68	169	449239	58.81 ug/mL	99
65)	4-Bromophenyl phenyl ether	17.39	248	187438	59.00 ug/mL	99
66)	Hexachlorobenzene	17.52	284	245393	58.42 ug/mL	99
67)	Pentachlorophenol	17.88	266	128543	60.19 ug/mL	99
68)	Phenanthrene	18.32	178	860700	57.83 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9927.D Vial: 5
Acq On : 14 Oct 2008 10:42 Operator: MEG
Sample : SSTD060PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

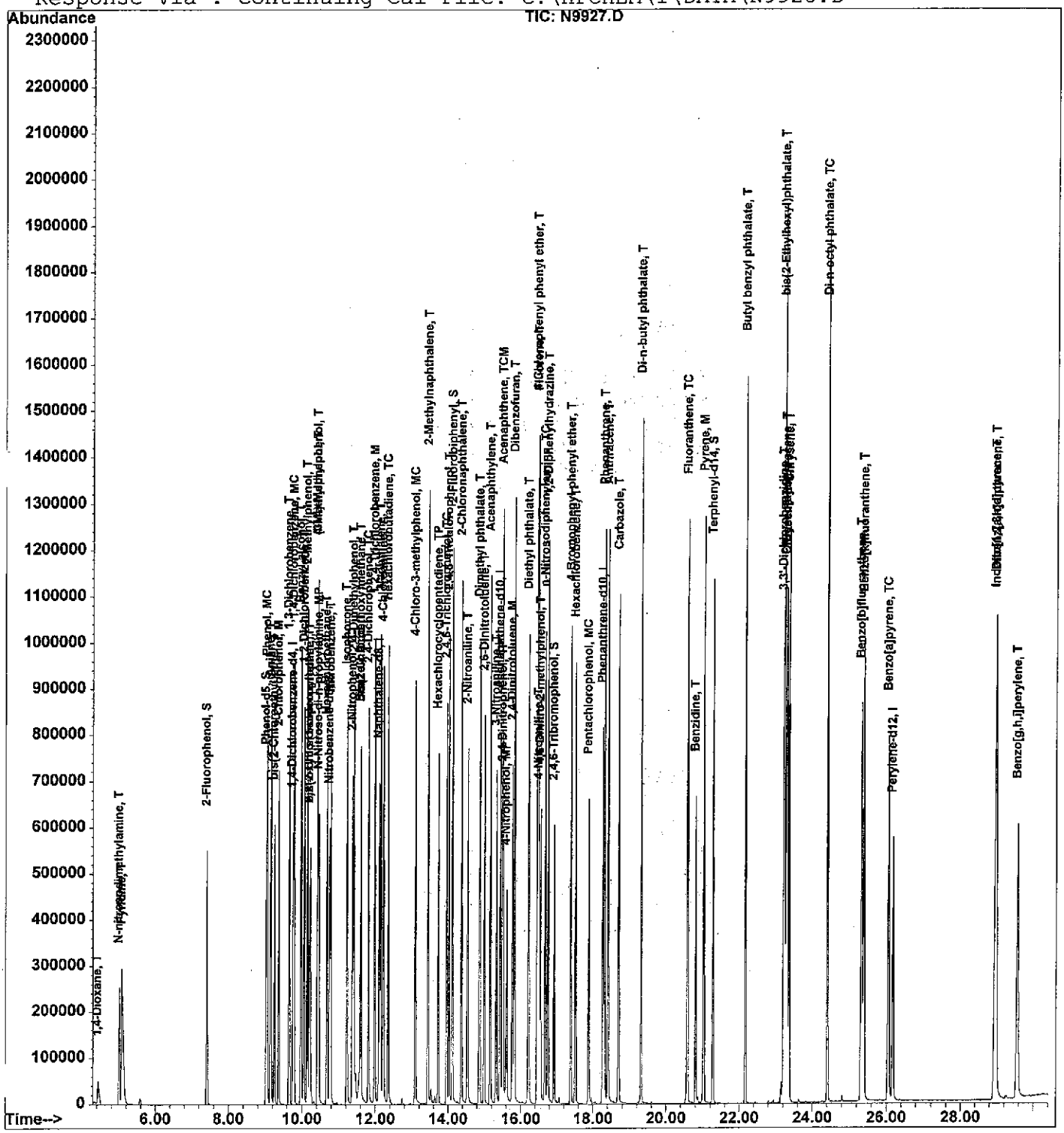
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) Anthracene	18.42	178	888121	57.91 ug/mL	99
70) Carbazole	18.71	167	813479	58.85 ug/mL	100
71) Di-n-butyl phthalate	19.32	149	1185798	59.15 ug/mL	100
72) Fluoranthene	20.59	202	883480	58.57 ug/mL	100
74) Benzidine	20.81	184	409882	62.52 ug/mL	100
75) Pyrene	21.03	202	940052	60.37 ug/mL	99
77) Butyl benzyl phthalate	22.18	149	559935	59.33 ug/mL	100
78) 3,3'-Dichlorobenzidine	23.21	252	321098	60.96 ug/mL	99
79) Benzo[a]anthracene	23.29	228	801311	59.48 ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.24	149	790455	60.94 ug/mL	100
81) Chrysene	23.37	228	760290	59.55 ug/mL	99
82) Di-n-octyl phthalate	24.42	149	1409188	60.20 ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.97	276	912786	61.65 ug/mL	99
85) Benzo[b]fluoranthene	25.34	252	840728	58.10 ug/mL	100
86) Benzo[k]fluoranthene	25.40	252	841986	61.22 ug/mL	99
87) Benzo[a]pyrene	26.07	252	792963	59.70 ug/mL	100
88) Dibenz[a,h]anthracene	28.99	278	773381	60.79 ug/mL	99
89) Benzo[g,h,i]perylene	29.59	276	754486	60.96 ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9927.D Vial: 5
Acq On : 14 Oct 2008 10:42 Operator: MEG
Sample : SSTD060PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9928.D
Acq On : 14 Oct 2008 11:20
Sample : SSTD050PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:50 2008

Vial: 6
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:50:28 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	169318	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	569230	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.44	164	342062	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	615099	40.00	ug/mL	0.00
73) Chrysene-d12	23.31	240	535065	40.00	ug/mL	0.00
84) Perylene-d12	26.19	264	558301	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	239029	50.00	ug/mL	0.00
Spiked Amount 150.000			Recovery = 33.33%			
6) Phenol-d5	9.04	99	319953	50.00	ug/mL	0.00
Spiked Amount 150.000			Recovery = 33.33%			
10) 2-Chlorophenol-d4	9.38	132	100	0.00	ul/mL	0.00
Spiked Amount 150.000			Recovery = 0.00%			
15) 1,2-Dichlorobenzene-d4	9.75	152	169318	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery = 0.00%			
25) Nitrobenzene-d5	10.76	82	331635	50.00	ug/mL	0.00
Spiked Amount 100.000			Recovery = 50.00%			
44) 2-Fluorobiphenyl	14.13	172	533153	50.00	ug/mL	0.00
Spiked Amount 100.000			Recovery = 50.00%			
61) 2,4,6-Tribromophenol	16.93	330	123134	50.00	ug/mL	0.00
Spiked Amount 150.000			Recovery = 33.33%			
76) Terphenyl-d14	21.28	244	488065	50.00	ug/mL	0.00
Spiked Amount 100.000			Recovery = 50.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.45	88	46798	20.00	ug/mL	100
3) N-nitrosodimethylamine	5.03	74	167009	50.00	ug/mL	100
4) Pyridine	5.10	79	300048	50.00	ug/mL	100
7) Phenol	9.06	94	378555	50.00	ug/mL	100
8) Aniline	9.16	93	526195	50.00	ug/mL	100
9) bis(2-Chloroethyl)ether	9.26	93	300032	50.00	ug/mL	100
11) 2-Chlorophenol	9.38	128	264156	50.00	ug/mL	100
12) 1,3-Dichlorobenzene	9.65	146	320241	50.00	ug/mL	100
13) 1,4-Dichlorobenzene	9.79	146	309273	50.00	ug/mL	100
14) Benzyl alcohol	9.98	108	205624	50.00	ug/mL	100
16) 1,2-Dichlorobenzene	10.06	146	300915	50.00	ug/mL	100
17) 2-Methylphenol	10.16	108	277151	50.00	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.22	45	331928	50.00	ug/mL	100
19) bis(2-Chloroisopropyl)ethe	10.22	45	331928	50.00	ug/mL	100
20) 4-Methylphenol	10.43	108	297275	50.00	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9928.D
Acq On : 14 Oct 2008 11:20
Sample : SSTD050PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:50 2008

Vial: 6
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:50:28 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21) (3+4)-Methylphenol	10.43	108	297275	50.00	ug/mL	100
22) N-Nitroso-di-n-propylamine	10.46	70	212529	50.00	ug/mL	100
23) Hexachloroethane	10.69	117	133016	50.00	ug/mL	100
26) Nitrobenzene	10.80	77	350700	50.00	ug/mL	100
27) Isophorone	11.23	82	622532	50.00	ug/mL	100
28) 2-Nitrophenol	11.38	139	174375	50.00	ug/mL	100
29) 2,4-Dimethylphenol	11.42	107	276202	50.00	ug/mL	100
30) Benzoic acid	11.61	105	108728	50.00	ug/mL	100
31) bis(2-Chloroethoxy)methane	11.61	93	349768	50.00	ug/mL	100
32) 2,4-Dichlorophenol	11.82	162	249183	50.00	ug/mL	100
33) 1,2,4-Trichlorobenzene	11.99	180	276588	50.00	ug/mL	100
34) Naphthalene	12.15	128	685880	50.00	ug/mL#	100
35) 4-Chloroaniline	12.22	127	363989	50.00	ug/mL	100
36) Hexachlorobutadiene	12.36	225	150438	50.00	ug/mL	100
37) 4-Chloro-3-methylphenol	13.09	107	250785	50.00	ug/mL	100
38) 2-Methylnaphthalene	13.44	142	557090	50.00	ug/mL	100
41) Hexachlorocyclopentadiene	13.73	237	155914	50.00	ug/mL	100
42) 2,4,6-Trichlorophenol	13.96	196	165530	50.00	ug/mL	100
43) 2,4,5-Trichlorophenol	14.03	196	206710	50.00	ug/mL	100
45) 2-Chloronaphthalene	14.38	162	489239	50.00	ug/mL	100
46) 2-Nitroaniline	14.55	65	203779	50.00	ug/mL	100
47) Dimethyl phthalate	14.88	163	618371	50.00	ug/mL	100
48) 2,6-Dinitrotoluene	15.01	165	157546	50.00	ug/mL	100
49) Acenaphthylene	15.17	152	777908	50.00	ug/mL	100
50) 3-Nitroaniline	15.34	138	180069	50.00	ug/mL	100
51) Acenaphthene	15.50	153	456601	50.00	ug/mL	100
52) 2,4-Dinitrophenol	15.52	184	95923	50.00	ug/mL	100
53) 4-Nitrophenol	15.61	109	79826	50.00	ug/mL	100
54) 2,4-Dinitrotoluene	15.77	165	203734	50.00	ug/mL	100
55) Dibenzofuran	15.83	168	826879	50.00	ug/mL	100
56) Diethyl phthalate	16.22	149	607217	50.00	ug/mL	100
57) 4-Chlorophenyl phenyl ethe	16.46	204	261808	50.00	ug/mL	100
58) Fluorene	16.48	166	566668	50.00	ug/mL	100
59) 4-Nitroaniline	16.51	138	186195	50.00	ug/mL	100
60) 1,2-Diphenylhydrazine	16.77	77	699681	50.00	ug/mL	100
63) 4,6-Dinitro-2-methylphenol	16.55	198	127819	50.00	ug/mL	100
64) n-Nitrosodiphenylamine	16.68	169	399513	50.00	ug/mL	100
65) 4-Bromophenyl phenyl ether	17.40	248	166139	50.00	ug/mL	100
66) Hexachlorobenzene	17.52	284	219687	50.00	ug/mL	100
67) Pentachlorophenol	17.89	266	111695	50.00	ug/mL	100
68) Phenanthrene	18.32	178	778367	50.00	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9928.D Vial: 6
Acq On : 14 Oct 2008 11:20 Operator: MEG
Sample : SSTD050PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:50 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:50:28 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

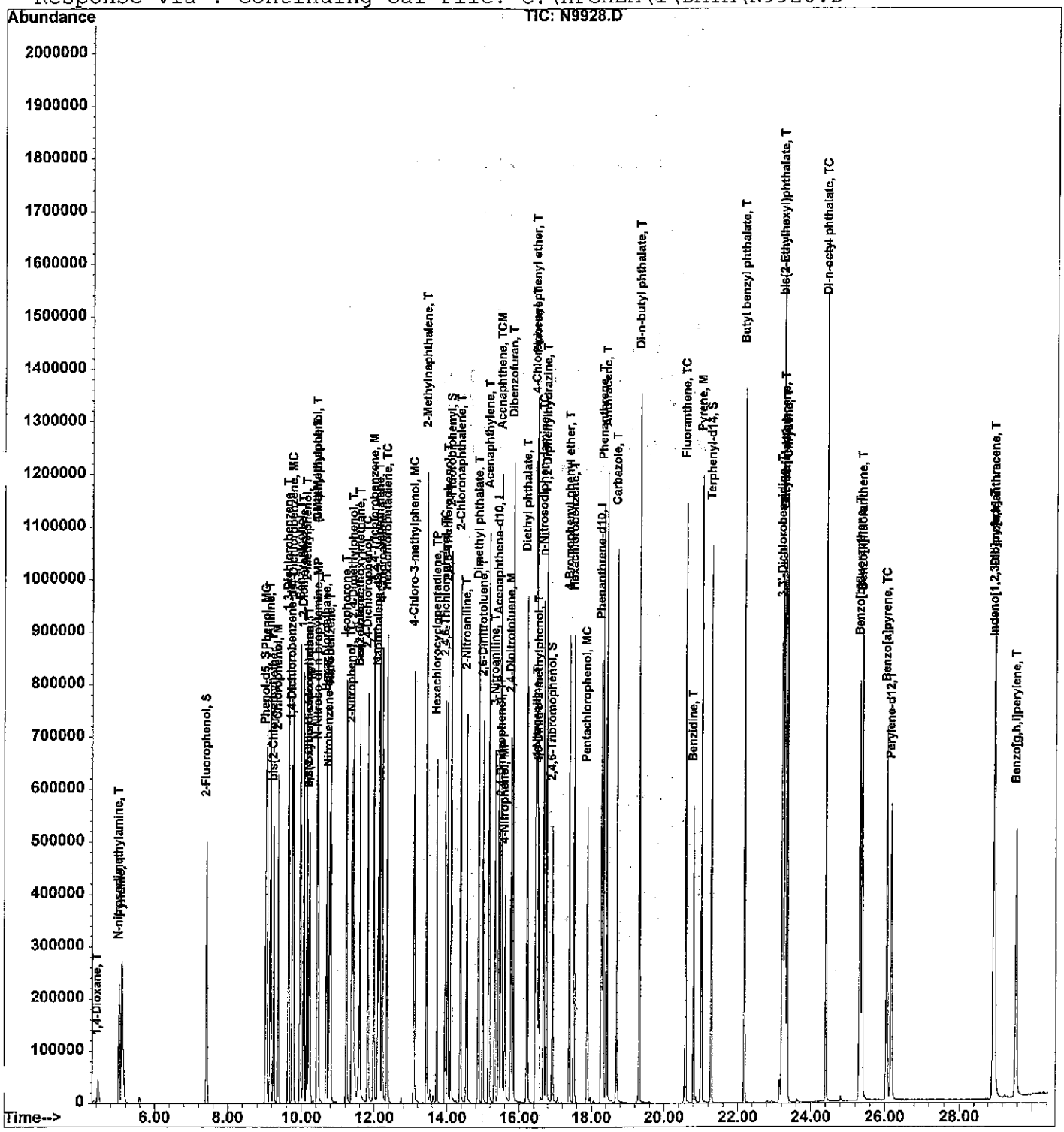
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69) Anthracene	18.42	178	802040	50.00	ug/mL	100
70) Carbazole	18.70	167	722859	50.00	ug/mL	100
71) Di-n-butyl phthalate	19.32	149	1048446	50.00	ug/mL	100
72) Fluoranthene	20.58	202	788812	50.00	ug/mL	100
74) Benzidine	20.80	184	349423	50.00	ug/mL	100
75) Pyrene	21.03	202	829959	50.00	ug/mL	100
77) Butyl benzyl phthalate	22.18	149	503011	50.00	ug/mL	100
78) 3,3'-Dichlorobenzidine	23.21	252	280738	50.00	ug/mL	100
79) Benzo[a]anthracene	23.29	228	718065	50.00	ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.24	149	691403	50.00	ug/mL	100
81) Chrysene	23.36	228	680559	50.00	ug/mL	100
82) Di-n-octyl phthalate	24.42	149	1247793	50.00	ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.96	276	789189	50.00	ug/mL	100
85) Benzo[b]fluoranthene	25.33	252	762796	50.00	ug/mL	100
86) Benzo[k]fluoranthene	25.39	252	725005	50.00	ug/mL	100
87) Benzo[a]pyrene	26.07	252	700267	50.00	ug/mL	100
88) Dibenz[a,h]anthracene	28.99	278	670678	50.00	ug/mL	100
89) Benzo[g,h,i]perylene	29.58	276	652515	50.00	ug/mL	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9928.D Vial: 6
Acq On : 14 Oct 2008 11:20 Operator: MEG
Sample : SSTD050PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:50 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9929.D Vial: 7
Acq On : 14 Oct 2008 11:58 Operator: MEG
Sample : SSTD040PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	156941	40.00	ug/mL	0.00
24) Naphthalene-d8	12.10	136	534979	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	312778	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	565272	40.00	ug/mL	0.00
73) Chrysene-d12	23.31	240	497402	40.00	ug/mL	0.00
84) Perylene-d12	26.19	264	518302	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	177348	40.02	ug/mL	0.00
Spiked Amount 150.000			Recovery =	26.68%		
6) Phenol-d5	9.03	99	239697	40.41	ug/mL	0.00
Spiked Amount 150.000			Recovery =	26.94%		
10) 2-Chlorophenol-d4	0.00	132	0	0.00	ul/mL	
Spiked Amount 150.000			Recovery =	0.00%		
15) 1,2-Dichlorobenzene-d4	9.75	152	156941	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery =	0.00%		
25) Nitrobenzene-d5	10.75	82	246221	39.50	ug/mL	0.00
Spiked Amount 100.000			Recovery =	39.50%		
44) 2-Fluorobiphenyl	14.12	172	395010	40.51	ug/mL	0.00
Spiked Amount 100.000			Recovery =	40.51%		
61) 2,4,6-Tribromophenol	16.93	330	92306	40.99	ug/mL	0.00
Spiked Amount 150.000			Recovery =	27.33%		
76) Terphenyl-d14	21.27	244	368505	40.61	ug/mL	0.00
Spiked Amount 100.000			Recovery =	40.61%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.45	88	36954	17.04	ug/mL	98
3) N-nitrosodimethylamine	5.02	74	125695	40.60	ug/mL	98
4) Pyridine	5.10	79	223006	40.09	ug/mL	100
7) Phenol	9.06	94	287857	41.02	ug/mL	100
8) Aniline	9.16	93	404258	41.44	ug/mL	100
9) bis(2-Chloroethyl)ether	9.25	93	227703	40.94	ug/mL	98
11) 2-Chlorophenol	9.37	128	198163	40.47	ug/mL	99
12) 1,3-Dichlorobenzene	9.65	146	241004	40.60	ug/mL	99
13) 1,4-Dichlorobenzene	9.79	146	234940	40.98	ug/mL	99
14) Benzyl alcohol	9.97	108	155268	40.73	ug/mL	99
16) 1,2-Dichlorobenzene	10.06	146	227074	40.71	ug/mL	100
17) 2-Methylphenol	10.15	108	208884	40.66	ug/mL	99
18) 2,2'-oxybis(1-chloropropan	10.22	45	254220	41.31	ug/mL	98
19) bis(2-Chloroisopropyl)ethe	10.22	45	254220	41.31	ug/mL	98
20) 4-Methylphenol	10.42	108	226277	41.06	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9929.D Vial: 7
Acq On : 14 Oct 2008 11:58 Operator: MEG
Sample : SSTD040PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
21) (3+4)-Methylphenol	10.42	108	226277	41.06 ug/mL	98
22) N-Nitroso-di-n-propylamine	10.46	70	164556	41.77 ug/mL	99
23) Hexachloroethane	10.69	117	98148	39.80 ug/mL	98
26) Nitrobenzene	10.79	77	257102	39.00 ug/mL	99
27) Isophorone	11.22	82	467739	39.97 ug/mL	100
28) 2-Nitrophenol	11.38	139	126260	38.52 ug/mL	98
29) 2,4-Dimethylphenol	11.42	107	207520	39.97 ug/mL	99
30) Benzoic acid	11.59	105	60123	29.42 ug/mL	97
31) bis(2-Chloroethoxy)methane	11.61	93	269034	40.92 ug/mL	99
32) 2,4-Dichlorophenol	11.81	162	187464	40.02 ug/mL	100
33) 1,2,4-Trichlorobenzene	11.99	180	206649	39.75 ug/mL	99
34) Naphthalene	12.15	128	521065	40.42 ug/mL	99
35) 4-Chloroaniline	12.22	127	277513	40.56 ug/mL	99
36) Hexachlorobutadiene	12.36	225	115289	40.77 ug/mL	98
37) 4-Chloro-3-methylphenol	13.10	107	187440	39.76 ug/mL	100
38) 2-Methylnaphthalene	13.44	142	410189	39.17 ug/mL	100
41) Hexachlorocyclopentadiene	13.73	237	113673	39.87 ug/mL	99
42) 2,4,6-Trichlorophenol	13.95	196	124337	41.07 ug/mL	98
43) 2,4,5-Trichlorophenol	14.02	196	151309	40.03 ug/mL	100
45) 2-Chloronaphthalene	14.37	162	365291	40.83 ug/mL	100
46) 2-Nitroaniline	14.54	65	154468	41.45 ug/mL	98
47) Dimethyl phthalate	14.87	163	468136	41.40 ug/mL	100
48) 2,6-Dinitrotoluene	15.00	165	119562	41.50 ug/mL	99
49) Acenaphthylene	15.17	152	584911	41.11 ug/mL	100
50) 3-Nitroaniline	15.33	138	134191	40.75 ug/mL	98
51) Acenaphthene	15.50	153	355365	42.56 ug/mL	98
52) 2,4-Dinitrophenol	15.52	184	65494	37.34 ug/mL#	81
53) 4-Nitrophenol	15.60	109	57712	39.53 ug/mL	96
54) 2,4-Dinitrotoluene	15.77	165	152569	40.95 ug/mL	99
55) Dibenzofuran	15.82	168	621730	41.11 ug/mL	100
56) Diethyl phthalate	16.22	149	457663	41.21 ug/mL	100
57) 4-Chlorophenyl phenyl ethe	16.46	204	193110	40.33 ug/mL	99
58) Fluorene	16.48	166	415504	40.09 ug/mL	99
59) 4-Nitroaniline	16.50	138	132484	38.91 ug/mL	89
60) 1,2-Diphenylhydrazine	16.76	77	527734	41.24 ug/mL	99
63) 4,6-Dinitro-2-methylphenol	16.54	198	90557	38.55 ug/mL	96
64) n-Nitrosodiphenylamine	16.68	169	298093	40.60 ug/mL	99
65) 4-Bromophenyl phenyl ether	17.39	248	123228	40.35 ug/mL	99
66) Hexachlorobenzene	17.52	284	164262	40.68 ug/mL	99
67) Pentachlorophenol	17.88	266	76115	37.08 ug/mL	99
68) Phenanthrene	18.32	178	570397	39.87 ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9929.D Vial: 7
Acq On : 14 Oct 2008 11:58 Operator: MEG
Sample : SSTD040PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

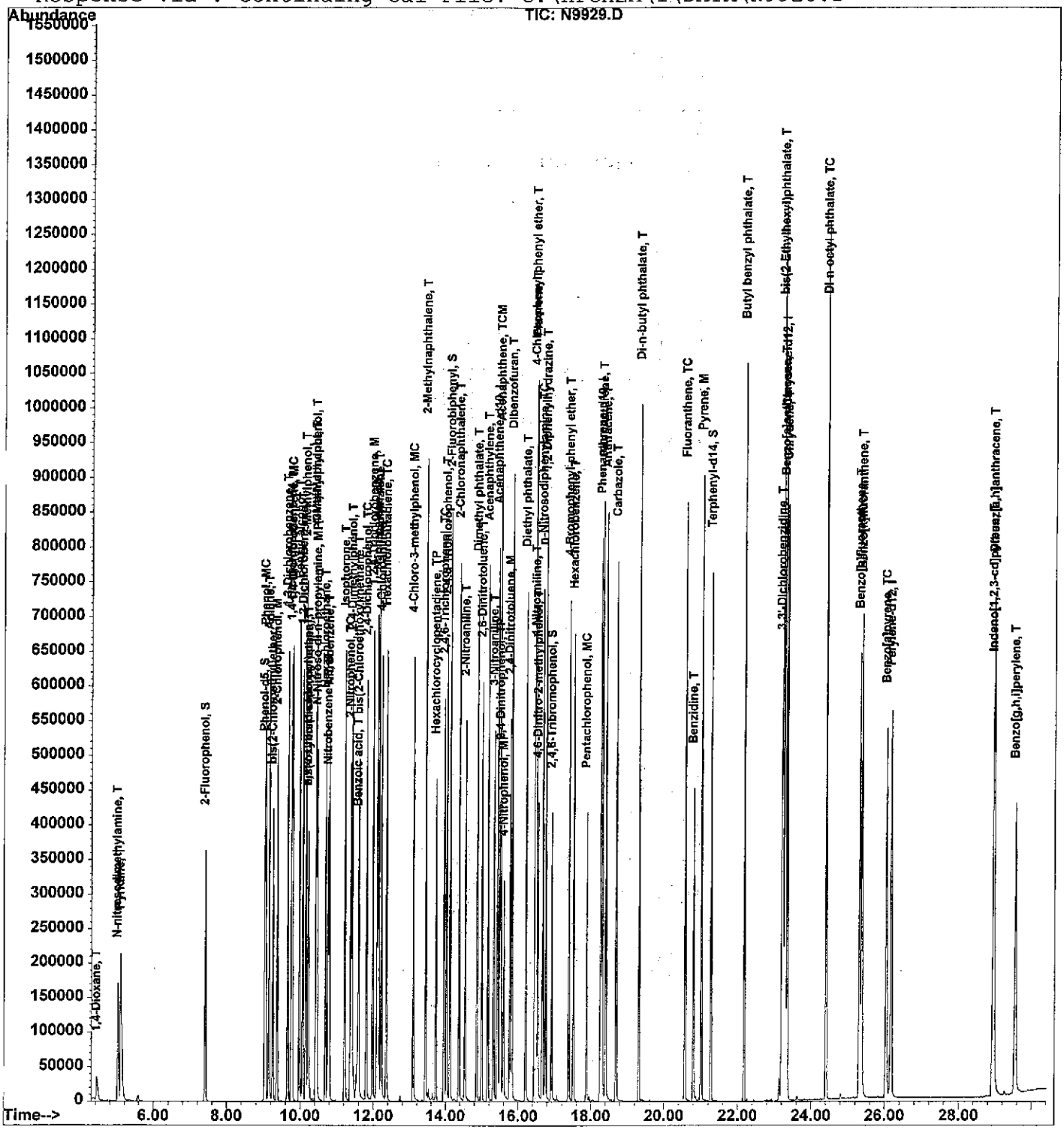
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) Anthracene	18.42	178	588068	39.89 ug/mL	99
70) Carbazole	18.70	167	545197	41.04 ug/mL	100
71) Di-n-butyl phthalate	19.32	149	793525	41.18 ug/mL	100
72) Fluoranthene	20.58	202	590058	40.70 ug/mL	99
74) Benzidine	20.80	184	281780	43.37 ug/mL	99
75) Pyrene	21.02	202	626190	40.58 ug/mL	98
77) Butyl benzyl phthalate	22.18	149	376393	40.25 ug/mL	99
78) 3,3'-Dichlorobenzidine	23.21	252	208843	40.01 ug/mL	99
79) Benzo[a]anthracene	23.28	228	545280	40.84 ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.24	149	534267	41.56 ug/mL	99
81) Chrysene	23.36	228	511008	40.39 ug/mL	100
82) Di-n-octyl phthalate	24.41	149	935256	40.31 ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.95	276	599324	40.85 ug/mL	100
85) Benzo[b]fluoranthene	25.33	252	568763	40.16 ug/mL	100
86) Benzo[k]fluoranthene	25.39	252	550176	40.87 ug/mL	100
87) Benzo[a]pyrene	26.06	252	518903	39.91 ug/mL	100
88) Dibenz[a,h]anthracene	28.98	278	511152	41.05 ug/mL	99
89) Benzo[g,h,i]perylene	29.57	276	495724	40.92 ug/mL	99

(#) = qualifier out of range (m) = manual integration
N9929.D NO14FULL.M Wed Oct 15 08:21:13 2008 Pag

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9929.D Vial: 7
Acq On : 14 Oct 2008 11:58 Operator: MEG
Sample : SSTD040PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9930.D Vial: 8
Acq On : 14 Oct 2008 12:37 Operator: MEG
Sample : SSTD020PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	159574	40.00	ug/mL	0.00
24) Naphthalene-d8	12.10	136	539989	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	322476	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	565829	40.00	ug/mL	0.00
73) Chrysene-d12	23.31	240	495897	40.00	ug/mL	0.00
84) Perylene-d12	26.18	264	513484	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	87255	19.37	ug/mL	0.00
Spiked Amount 150.000			Recovery = 12.91%			
6) Phenol-d5	9.03	99	122524	20.32	ug/mL	0.00
Spiked Amount 150.000			Recovery = 13.55%			
10) 2-Chlorophenol-d4	0.00	132	0	0.00	ul/mL	
Spiked Amount 150.000			Recovery = 0.00%			
15) 1,2-Dichlorobenzene-d4	9.75	152	159574	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery = 0.00%			
25) Nitrobenzene-d5	10.75	82	126206	20.06	ug/mL	0.00
Spiked Amount 100.000			Recovery = 20.06%			
44) 2-Fluorobiphenyl	14.12	172	200191	19.91	ug/mL	0.00
Spiked Amount 100.000			Recovery = 19.91%			
61) 2,4,6-Tribromophenol	16.92	330	43833	18.88	ug/mL	0.00
Spiked Amount 150.000			Recovery = 12.59%			
76) Terphenyl-d14	21.27	244	183634	20.30	ug/mL	0.00
Spiked Amount 100.000			Recovery = 20.30%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.44	88	17819	8.08	ug/mL	97
3) N-nitrosodimethylamine	5.02	74	62925	19.99	ug/mL	98
4) Pyridine	5.09	79	112787	19.94	ug/mL	99
7) Phenol	9.05	94	146873	20.58	ug/mL	97
8) Aniline	9.15	93	200563	20.22	ug/mL	97
9) bis(2-Chloroethyl)ether	9.25	93	113995	20.16	ug/mL	99
11) 2-Chlorophenol	9.37	128	100674	20.22	ug/mL	98
12) 1,3-Dichlorobenzene	9.65	146	125578	20.80	ug/mL	98
13) 1,4-Dichlorobenzene	9.78	146	123762	21.23	ug/mL	97
14) Benzyl alcohol	9.97	108	77206	19.92	ug/mL	100
16) 1,2-Dichlorobenzene	10.06	146	115004	20.28	ug/mL	99
17) 2-Methylphenol	10.15	108	106613	20.41	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.21	45	132198	21.13	ug/mL	98
19) bis(2-Chloroisopropyl)ethe	10.21	45	132198	21.13	ug/mL	98
20) 4-Methylphenol	10.42	108	110399	19.70	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9930.D Vial: 8
Acq On : 14 Oct 2008 12:37 Operator: MEG
Sample : SSTD020PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21)	(3+4)-Methylphenol	10.42	108	110399	19.70	ug/mL	100
22)	N-Nitroso-di-n-propylamine	10.45	70	82648	20.63	ug/mL	98
23)	Hexachloroethane	10.68	117	50062	19.97	ug/mL	97
26)	Nitrobenzene	10.78	77	132832	19.96	ug/mL	99
27)	Isophorone	11.21	82	237399	20.10	ug/mL	99
28)	2-Nitrophenol	11.37	139	62605	18.92	ug/mL	98
29)	2,4-Dimethylphenol	11.41	107	102968	19.65	ug/mL	97
30)	Benzoic acid	11.54	105	6917	3.35	ug/mL	89
31)	bis(2-Chloroethoxy)methane	11.60	93	137765	20.76	ug/mL	98
32)	2,4-Dichlorophenol	11.81	162	92579	19.58	ug/mL	99
33)	1,2,4-Trichlorobenzene	11.99	180	102104	19.46	ug/mL	99
34)	Naphthalene	12.14	128	262194	20.15	ug/mL#	99
35)	4-Chloroaniline	12.21	127	140151	20.29	ug/mL	99
36)	Hexachlorobutadiene	12.35	225	56122	19.66	ug/mL	99
37)	4-Chloro-3-methylphenol	13.09	107	95072	19.98	ug/mL	98
38)	2-Methylnaphthalene	13.44	142	211116	19.97	ug/mL	99
41)	Hexachlorocyclopentadiene	13.73	237	50786	17.28	ug/mL	97
42)	2,4,6-Trichlorophenol	13.95	196	59646	19.11	ug/mL	98
43)	2,4,5-Trichlorophenol	14.02	196	72252	18.54	ug/mL	99
45)	2-Chloronaphthalene	14.37	162	182271	19.76	ug/mL	100
46)	2-Nitroaniline	14.54	65	74986	19.52	ug/mL	99
47)	Dimethyl phthalate	14.87	163	232843	19.97	ug/mL	99
48)	2,6-Dinitrotoluene	14.99	165	57339	19.30	ug/mL	99
49)	Acenaphthylene	15.16	152	290531	19.81	ug/mL	99
50)	3-Nitroaniline	15.32	138	65902	19.41	ug/mL	100
51)	Acenaphthene	15.49	153	173169	20.11	ug/mL	97
52)	2,4-Dinitrophenol	15.52	184	22812	12.61	ug/mL#	15
53)	4-Nitrophenol	15.60	109	26009	17.28	ug/mL	98
54)	2,4-Dinitrotoluene	15.76	165	73166	19.05	ug/mL	99
55)	Dibenzofuran	15.82	168	317388	20.36	ug/mL	99
56)	Diethyl phthalate	16.21	149	230755	20.16	ug/mL	99
57)	4-Chlorophenyl phenyl ethe	16.45	204	96185	19.49	ug/mL	99
58)	Fluorene	16.47	166	213982	20.03	ug/mL	100
59)	4-Nitroaniline	16.48	138	65984	18.80	ug/mL	90
60)	1,2-Diphenylhydrazine	16.76	77	271060	20.55	ug/mL	97
63)	4,6-Dinitro-2-methylphenol	16.53	198	38756	16.48	ug/mL	95
64)	n-Nitrosodiphenylamine	16.67	169	144639	19.68	ug/mL	99
65)	4-Bromophenyl phenyl ether	17.39	248	59704	19.53	ug/mL	98
66)	Hexachlorobenzene	17.51	284	82357	20.38	ug/mL	99
67)	Pentachlorophenol	17.88	266	29415	14.31	ug/mL	98
68)	Phenanthrene	18.31	178	290037	20.25	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9930.D Vial: 8
Acq On : 14 Oct 2008 12:37 Operator: MEG
Sample : SSTD020PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

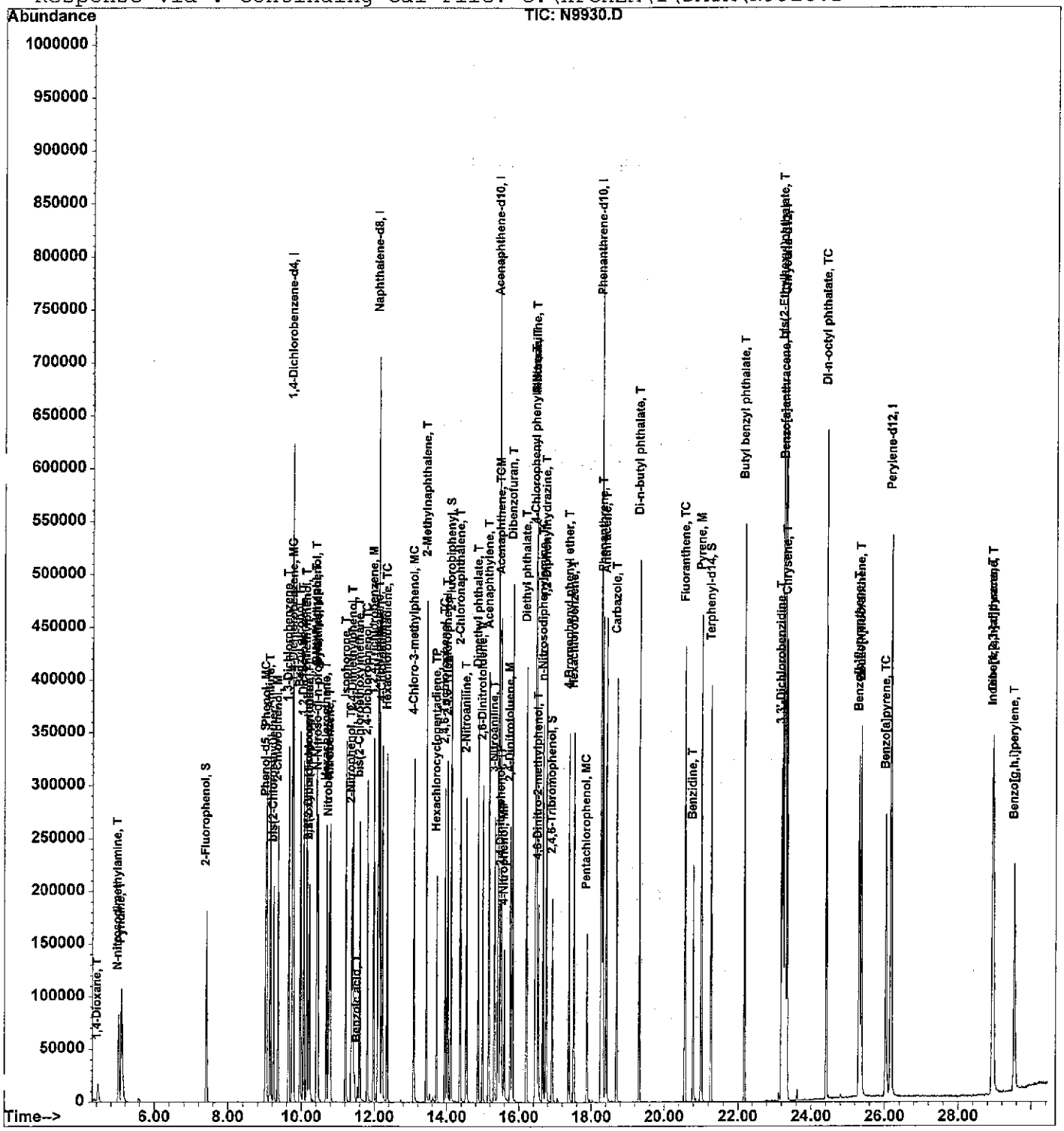
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69) Anthracene	18.41	178	296141	20.07	ug/mL	99
70) Carbazole	18.70	167	278436	20.94	ug/mL	100
71) Di-n-butyl phthalate	19.31	149	401364	20.81	ug/mL	100
72) Fluoranthene	20.58	202	290191	20.00	ug/mL	98
74) Benzidine	20.80	184	146467	22.61	ug/mL	98
75) Pyrene	21.02	202	306209	19.90	ug/mL	97
77) Butyl benzyl phthalate	22.18	149	187960	20.16	ug/mL	99
78) 3,3'-Dichlorobenzidine	23.20	252	104978	20.17	ug/mL	100
79) Benzo[a]anthracene	23.28	228	268181	20.15	ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.23	149	263310	20.55	ug/mL	99
81) Chrysene	23.35	228	246254	19.52	ug/mL	99
82) Di-n-octyl phthalate	24.41	149	454024	19.63	ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.94	276	277627	18.98	ug/mL	97
85) Benzo[b]fluoranthene	25.32	252	275206	19.61	ug/mL	99
86) Benzo[k]fluoranthene	25.37	252	275331	20.65	ug/mL	99
87) Benzo[a]pyrene	26.05	252	250137	19.42	ug/mL	99
88) Dibenz[a,h]anthracene	28.96	278	241795	19.60	ug/mL	98
89) Benzo[g,h,i]perylene	29.55	276	233036	19.42	ug/mL	98

(#) = qualifier out of range (m) = manual integration
N9930.D NO14FULL.M Wed Oct 15 08:21:21 2008 Pag

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9930.D Vial: 8
Acq On : 14 Oct 2008 12:37 Operator: MEG
Sample : SSTD020PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9931.D Vial: 9
Acq On : 14 Oct 2008 13:15 Operator: MEG
Sample : SSTD010PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008 Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.76	152	162602	40.00	ug/mL	0.00
24) Naphthalene-d8	12.11	136	540476	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	315609	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	559215	40.00	ug/mL	0.00
73) Chrysene-d12	23.30	240	492901	40.00	ug/mL	0.00
84) Perylene-d12	26.18	264	498102	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.42	112	42534	9.26	ug/mL	0.00
Spiked Amount 150.000			Recovery =	6.17%		
6) Phenol-d5	9.03	99	60655	9.87	ug/mL	0.00
Spiked Amount 150.000			Recovery =	6.58%		
10) 2-Chlorophenol-d4	0.00	132	0	0.00	ul/mL	
Spiked Amount 150.000			Recovery =	0.00%		
15) 1,2-Dichlorobenzene-d4	9.76	152	162602	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery =	0.00%		
25) Nitrobenzene-d5	10.75	82	61900	9.83	ug/mL	0.00
Spiked Amount 100.000			Recovery =	9.83%		
44) 2-Fluorobiphenyl	14.12	172	99200	10.08	ug/mL	0.00
Spiked Amount 100.000			Recovery =	10.08%		
61) 2,4,6-Tribromophenol	16.92	330	19099	8.41	ug/mL	0.00
Spiked Amount 150.000			Recovery =	5.61%		
76) Terphenyl-d14	21.27	244	90608	10.08	ug/mL	0.00
Spiked Amount 100.000			Recovery =	10.08%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.44	88	9418	4.19	ug/mL	93
3) N-nitrosodimethylamine	5.02	74	29507	9.20	ug/mL	96
4) Pyridine	5.10	79	56619	9.82	ug/mL	99
7) Phenol	9.05	94	73591	10.12	ug/mL	96
8) Aniline	9.15	93	101463	10.04	ug/mL	98
9) bis(2-Chloroethyl)ether	9.25	93	57324	9.95	ug/mL	97
11) 2-Chlorophenol	9.37	128	50613	9.98	ug/mL	99
12) 1,3-Dichlorobenzene	9.66	146	61775	10.04	ug/mL	100
13) 1,4-Dichlorobenzene	9.78	146	61465	10.35	ug/mL	95
14) Benzyl alcohol	9.97	108	36785	9.31	ug/mL	99
16) 1,2-Dichlorobenzene	10.07	146	57398	9.93	ug/mL	100
17) 2-Methylphenol	10.15	108	54538	10.25	ug/mL	98
18) 2,2'-oxybis(1-chloropropan	10.21	45	68777	10.79	ug/mL	99
19) bis(2-Chloroisopropyl)ethe	10.21	45	68777	10.79	ug/mL	99
20) 4-Methylphenol	10.41	108	55936	9.80	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9931.D
Acq On : 14 Oct 2008 13:15
Sample : SSTD010PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 9
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21) (3+4)-Methylphenol	10.41	108	55936	9.80	ug/mL	99
22) N-Nitroso-di-n-propylamine	10.45	70	41257	10.11	ug/mL	96
23) Hexachloroethane	10.69	117	25258	9.89	ug/mL	95
26) Nitrobenzene	10.78	77	65786	9.88	ug/mL	99
27) Isophorone	11.21	82	117881	9.97	ug/mL	98
28) 2-Nitrophenol	11.37	139	28642	8.65	ug/mL	99
29) 2,4-Dimethylphenol	11.41	107	49524	9.44	ug/mL	99
31) bis(2-Chloroethoxy)methane	11.60	93	69093	10.40	ug/mL	97
32) 2,4-Dichlorophenol	11.81	162	43943	9.29	ug/mL	99
33) 1,2,4-Trichlorobenzene	11.98	180	51905	9.88	ug/mL	98
34) Naphthalene	12.15	128	135958	10.44	ug/mL	100
35) 4-Chloroaniline	12.21	127	69950	10.12	ug/mL	98
36) Hexachlorobutadiene	12.35	225	28360	9.93	ug/mL	99
37) 4-Chloro-3-methylphenol	13.09	107	44892	9.43	ug/mL	99
38) 2-Methylnaphthalene	13.44	142	105625	9.98	ug/mL	99
41) Hexachlorocyclopentadiene	13.73	237	20846	7.25	ug/mL	98
42) 2,4,6-Trichlorophenol	13.95	196	27351	8.95	ug/mL	98
43) 2,4,5-Trichlorophenol	14.02	196	33013	8.65	ug/mL	99
45) 2-Chloronaphthalene	14.37	162	91457	10.13	ug/mL	100
46) 2-Nitroaniline	14.54	65	36397	9.68	ug/mL	100
47) Dimethyl phthalate	14.86	163	113786	9.97	ug/mL	99
48) 2,6-Dinitrotoluene	14.99	165	28006	9.63	ug/mL	96
49) Acenaphthylene	15.17	152	145890	10.16	ug/mL	100
50) 3-Nitroaniline	15.31	138	31417	9.45	ug/mL	98
51) Acenaphthene	15.49	153	87258	10.36	ug/mL	94
52) 2,4-Dinitrophenol	15.51	184	5138	2.90	ug/mL#	1
53) 4-Nitrophenol	15.59	109	10882	7.39	ug/mL	95
54) 2,4-Dinitrotoluene	15.76	165	34402	9.15	ug/mL	96
55) Dibenzofuran	15.82	168	155635	10.20	ug/mL	100
56) Diethyl phthalate	16.21	149	113860	10.16	ug/mL	99
57) 4-Chlorophenyl phenyl ethe	16.45	204	47349	9.80	ug/mL	98
58) Fluorene	16.47	166	105376	10.08	ug/mL	99
59) 4-Nitroaniline	16.47	138	30381	8.84	ug/mL	87
60) 1,2-Diphenylhydrazine	16.76	77	134942	10.45	ug/mL	97
63) 4,6-Dinitro-2-methylphenol	16.53	198	13911	5.99	ug/mL	95
64) n-Nitrosodiphenylamine	16.67	169	72508	9.98	ug/mL	99
65) 4-Bromophenyl phenyl ether	17.39	248	30578	10.12	ug/mL	98
66) Hexachlorobenzene	17.51	284	40578	10.16	ug/mL	99
67) Pentachlorophenol	17.88	266	8610	4.24	ug/mL	98
68) Phenanthrene	18.31	178	142435	10.06	ug/mL	100
69) Anthracene	18.41	178	141757	9.72	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9931.D
Acq On : 14 Oct 2008 13:15
Sample : SSTD010PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 9
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:12 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
70) Carbazole	18.69	167	132996	10.12	ug/mL	99
71) Di-n-butyl phthalate	19.31	149	194933	10.23	ug/mL	99
72) Fluoranthene	20.58	202	142809	9.96	ug/mL	96
74) Benzidine	20.80	184	73547	11.42	ug/mL	98
75) Pyrene	21.02	202	150848	9.87	ug/mL	96
77) Butyl benzyl phthalate	22.18	149	89704	9.68	ug/mL	98
78) 3,3'-Dichlorobenzidine	23.20	252	53196	10.28	ug/mL	99
79) Benzo[a]anthracene	23.28	228	133001	10.05	ug/mL	100
80) bis(2-Ethylhexyl)phthalate	23.24	149	126905	9.96	ug/mL	98
81) Chrysene	23.34	228	122972	9.81	ug/mL	99
82) Di-n-octyl phthalate	24.41	149	209874	9.13	ug/mL	100
83) Indeno[1,2,3-cd]pyrene	28.93	276	128109	8.81	ug/mL	96
85) Benzo[b]fluoranthene	25.31	252	132108	9.71	ug/mL	98
86) Benzo[k]fluoranthene	25.37	252	132136	10.21	ug/mL	99
87) Benzo[a]pyrene	26.04	252	121231	9.70	ug/mL	99
88) Dibenz[a,h]anthracene	28.96	278	108214	9.04	ug/mL	97
89) Benzo[g,h,i]perylene	29.54	276	108738	9.34	ug/mL	98

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

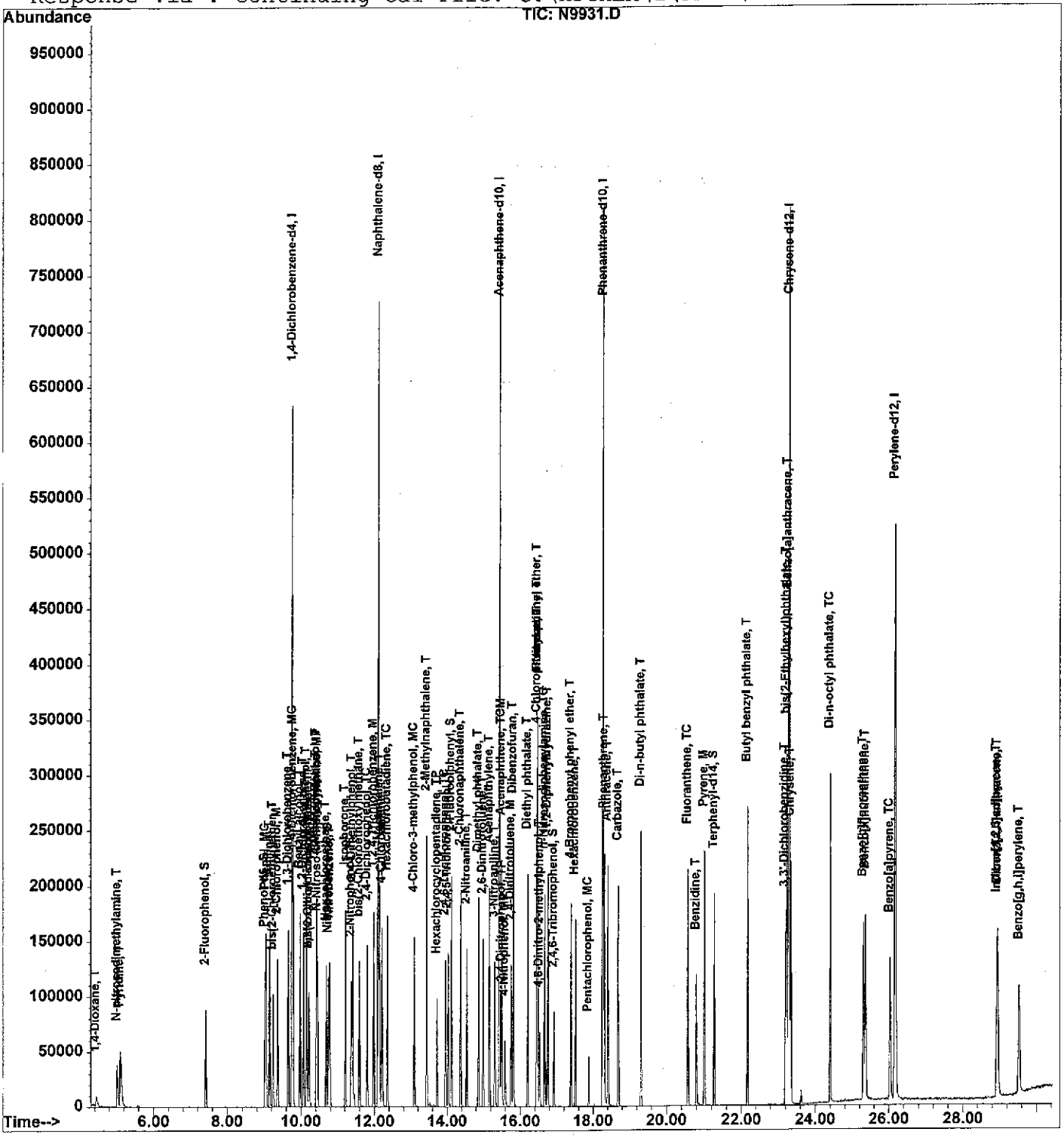
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9931.D
Acq On : 14 Oct 2008 13:15
Sample : SSTD010PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 13:54 2008

Vial: 9
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9932.D
Acq On : 14 Oct 2008 13:53
Sample : SSTD005PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 14:24 2008

Vial: 10
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:15 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	179589	40.00	ug/mL	0.00
24) Naphthalene-d8	12.10	136	614106	40.00	ug/mL	0.00
39) Acenaphthene-d10	15.43	164	362221	40.00	ug/mL	0.00
62) Phenanthrene-d10	18.27	188	636115	40.00	ug/mL	0.00
73) Chrysene-d12	23.30	240	557261	40.00	ug/mL	0.00
84) Perylene-d12	26.19	264	556420	40.00	ug/mL	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	7.43	112	23652	4.66	ug/mL	0.00
Spiked Amount 150.000			Recovery =	3.11%		
6) Phenol-d5	9.02	99	33539	4.94	ug/mL	0.00
Spiked Amount 150.000			Recovery =	3.29%		
10) 2-Chlorophenol-d4	0.00	132	0	0.00	ul/mL	
Spiked Amount 150.000			Recovery =	0.00%		
15) 1,2-Dichlorobenzene-d4	9.75	152	179589	0.00	ul/mL	0.00
Spiked Amount 100.000			Recovery =	0.00%		
25) Nitrobenzene-d5	10.75	82	33768	4.72	ug/mL	0.00
Spiked Amount 100.000			Recovery =	4.72%		
44) 2-Fluorobiphenyl	14.12	172	55525	4.92	ug/mL	0.00
Spiked Amount 100.000			Recovery =	4.92%		
61) 2,4,6-Tribromophenol	16.92	330	9600	3.68	ug/mL	0.00
Spiked Amount 150.000			Recovery =	2.45%		
76) Terphenyl-d14	21.27	244	49335	4.85	ug/mL	0.00
Spiked Amount 100.000			Recovery =	4.85%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.45	88	5270	2.12	ug/mL	95
3) N-nitrosodimethylamine	5.03	74	16722	4.72	ug/mL	99
4) Pyridine	5.11	79	30006	4.71	ug/mL	97
7) Phenol	9.05	94	39747	4.95	ug/mL	100
8) Aniline	9.15	93	54996	4.93	ug/mL	98
9) bis(2-Chloroethyl)ether	9.24	93	33335	5.24	ug/mL	99
11) 2-Chlorophenol	9.36	128	26776	4.78	ug/mL	97
12) 1,3-Dichlorobenzene	9.65	146	34960	5.15	ug/mL	99
13) 1,4-Dichlorobenzene	9.79	146	33549	5.11	ug/mL	98
14) Benzyl alcohol	9.97	108	20302	4.65	ug/mL	99
16) 1,2-Dichlorobenzene	10.06	146	33957	5.32	ug/mL	98
17) 2-Methylphenol	10.14	108	29543	5.02	ug/mL	100
18) 2,2'-oxybis(1-chloropropan	10.21	45	39317	5.58	ug/mL	97
19) bis(2-Chloroisopropyl)ethe	10.21	45	39317	5.58	ug/mL	97
20) 4-Methylphenol	10.41	108	31186	4.95	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9932.D
Acq On : 14 Oct 2008 13:53
Sample : SSTD005PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 14:24 2008

Vial: 10
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:15 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
21) (3+4)-Methylphenol	10.41	108	31186	4.95	ug/mL	99
22) N-Nitroso-di-n-propylamine	10.44	70	21892	4.86	ug/mL	99
23) Hexachloroethane	10.69	117	13962	4.95	ug/mL	96
26) Nitrobenzene	10.79	77	36466	4.82	ug/mL	99
27) Isophorone	11.22	82	64804	4.82	ug/mL	99
28) 2-Nitrophenol	11.38	139	15190	4.04	ug/mL	85
29) 2,4-Dimethylphenol	11.41	107	28083	4.71	ug/mL	97
31) bis(2-Chloroethoxy)methane	11.60	93	39108	5.18	ug/mL	97
32) 2,4-Dichlorophenol	11.81	162	23590	4.39	ug/mL	99
33) 1,2,4-Trichlorobenzene	11.98	180	29182	4.89	ug/mL	98
34) Naphthalene	12.14	128	77454	5.23	ug/mL	100
35) 4-Chloroaniline	12.22	127	38055	4.85	ug/mL	97
36) Hexachlorobutadiene	12.35	225	15722	4.84	ug/mL	98
37) 4-Chloro-3-methylphenol	13.10	107	24176	4.47	ug/mL	98
38) 2-Methylnaphthalene	13.44	142	59445	4.95	ug/mL	100
41) Hexachlorocyclopentadiene	13.73	237	9354	2.83	ug/mL	100
42) 2,4,6-Trichlorophenol	13.95	196	14046	4.01	ug/mL	98
43) 2,4,5-Trichlorophenol	14.02	196	18323	4.19	ug/mL	98
45) 2-Chloronaphthalene	14.37	162	50423	4.87	ug/mL	100
46) 2-Nitroaniline	14.54	65	20290	4.70	ug/mL	95
47) Dimethyl phthalate	14.87	163	63032	4.81	ug/mL	100
48) 2,6-Dinitrotoluene	14.99	165	14571	4.37	ug/mL	95
49) Acenaphthylene	15.16	152	81405	4.94	ug/mL	99
50) 3-Nitroaniline	15.32	138	17480	4.58	ug/mL	98
51) Acenaphthene	15.49	153	49041	5.07	ug/mL	94
53) 4-Nitrophenol	15.59	109	4874	2.88	ug/mL	92
54) 2,4-Dinitrotoluene	15.76	165	17808	4.13	ug/mL	96
55) Dibenzofuran	15.81	168	84871	4.85	ug/mL	99
56) Diethyl phthalate	16.20	149	62652	4.87	ug/mL	99
57) 4-Chlorophenyl phenyl ethe	16.45	204	26077	4.70	ug/mL	97
58) Fluorene	16.47	166	58217	4.85	ug/mL	99
59) 4-Nitroaniline	16.47	138	17119	4.34	ug/mL	86
60) 1,2-Diphenylhydrazine	16.75	77	75307	5.08	ug/mL	97
63) 4,6-Dinitro-2-methylphenol	16.53	198	4891	1.85	ug/mL	93
64) n-Nitrosodiphenylamine	16.67	169	40139	4.86	ug/mL	97
65) 4-Bromophenyl phenyl ether	17.39	248	15574	4.53	ug/mL	94
66) Hexachlorobenzene	17.52	284	22460	4.94	ug/mL	95
68) Phenanthrene	18.31	178	81496	5.06	ug/mL	99
69) Anthracene	18.41	178	80815	4.87	ug/mL	100
70) Carbazole	18.70	167	74524	4.98	ug/mL	99
71) Di-n-butyl phthalate	19.32	149	105686	4.87	ug/mL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9932.D
Acq On : 14 Oct 2008 13:53
Sample : SSTD005PPM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 14 14:24 2008

Vial: 10
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14FULL.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Tue Oct 14 13:52:15 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D
DataAcq Meth : NO14FULL

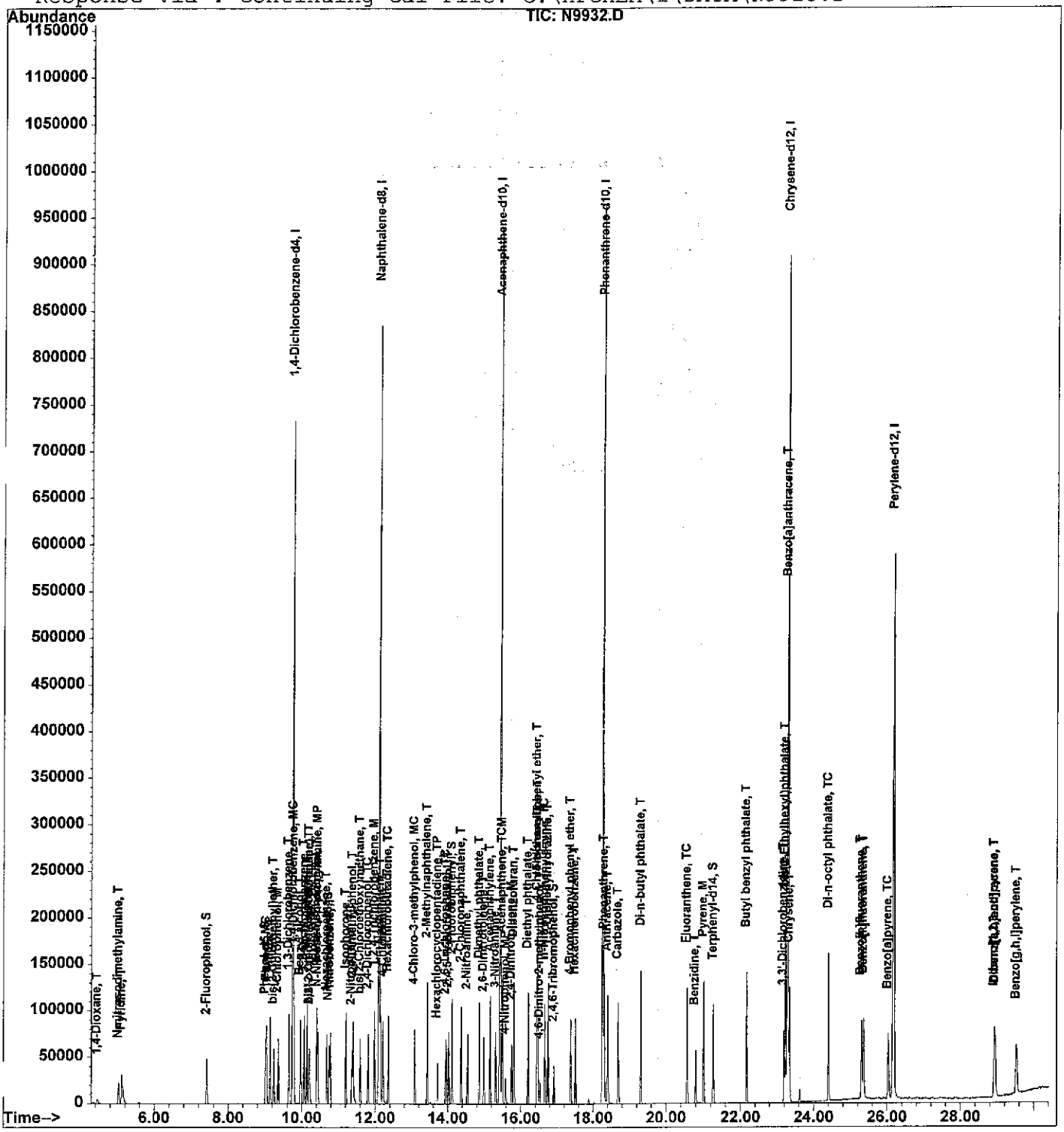
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Fluoranthene	20.58	202	80667	4.94	ug/mL	98
74) Benzidine	20.80	184	38360	5.27	ug/mL	96
75) Pyrene	21.01	202	85040	4.92	ug/mL	96
77) Butyl benzyl phthalate	22.17	149	47418	4.53	ug/mL	98
78) 3,3'-Dichlorobenzidine	23.20	252	29369	5.02	ug/mL	96
79) Benzo[a]anthracene	23.28	228	75533	5.05	ug/mL	99
80) bis(2-Ethylhexyl)phthalate	23.23	149	67432	4.68	ug/mL	97
81) Chrysene	23.35	228	68613	4.84	ug/mL	99
82) Di-n-octyl phthalate	24.41	149	112718	4.34	ug/mL	99
83) Indeno[1,2,3-cd]pyrene	28.93	276	65276	3.97	ug/mL	94
85) Benzo[b]fluoranthene	25.31	252	69789	4.59	ug/mL	98
86) Benzo[k]fluoranthene	25.37	252	71707	4.96	ug/mL	98
87) Benzo[a]pyrene	26.04	252	64046	4.59	ug/mL	97
88) Dibenz[a,h]anthracene	28.96	278	55924	4.18	ug/mL	97
89) Benzo[g,h,i]perylene	29.54	276	56459	4.34	ug/mL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9932.D Vial: 10
Acq On : 14 Oct 2008 13:53 Operator: MEG
Sample : SSTD005PPM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 14 14:24 2008 Quant Results File: NO14FULL.RES

Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 07:36:47 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9928.D



Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator) /1382
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Initial Calibration

Calibration Files
160 =N9935.D 120 =N9936.D 80 =N9937.D
50 =N9938.D 40 =N9939.D 20 =N9940.D

		Compound	160	120	80	50	40	20	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)	T	Benzaldehyde	1.140	1.133	1.155	1.179	1.172	1.159	1.136	3.77
3)	T	2-Octanol							0.000#	-1.00
4)	T	Acetophenone	1.696	1.729	1.700	1.757	1.707	1.678	1.685	3.44
5)	I	Naphthalene-d8	ISTD							
6)	T	Caprolactam	0.128	0.127	0.129	0.130	0.126	0.117	0.120	10.72
7)	I	Acenaphthene-d10	ISTD							
8)	T	1,1'-Biphenyl	1.216	1.253	1.236	1.265	1.254	1.239	1.247	1.33
9)	T	1-Phenyl-1-[4-methy	0.735	0.753	0.745	0.746	0.724	0.689	0.726	3.20
10)	T	1-Phenyl-1-[2,4-dim	0.877	0.901	0.877	0.884	0.863	0.841	0.864	2.87
11)	I	Phenanthrene-d10	ISTD							
12)	T	Atrazine	0.192	0.191	0.191	0.187	0.186	0.180	0.183	5.78
13)	T	2-Ethylanthraquinon							0.000#	-1.00
.)	I	Chrysene-d12	ISTD							
15)	I	Perylene-d12	ISTD							

(#) = Out of Range ### Number of calibration levels exceeded format ###

10/15/08

Response Factor Report #5MS26

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:28 2008
Response via : Initial Calibration

Calibration Files
10 =N9941.D 5. =N9942.D =
= = =

		Compound	10	5.	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------			
2)	T	Benzaldehyde	1.094	1.053		
3)	T	2-Octanol				
4)	T	Acetophenone	1.647	1.566		
5)	I	Naphthalene-d8	----------ISTD----------			
6)	T	Caprolactam	0.113	0.092		
7)	I	Acenaphthene-d10	----------ISTD----------			
8)	T	1,1'-Biphenyl	1.265	1.248		
9)	T	1-Phenyl-1-[4-methy	0.718	0.698		
10)	T	1-Phenyl-1-[2,4-dim	0.831	0.840		
11)	I	Phenanthrene-d10	----------ISTD----------			
12)	T	Atrazine	0.172	0.162		
13)	T	2-Ethylanthraquinon				
.)	I	Chrysene-d12	----------ISTD----------			
15)	I	Perylene-d12	----------ISTD----------			

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9935.D
Acq On : 14 Oct 2008 15:47
Sample : SSTD160PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008

Vial: 13
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:25:46 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.76	152	172267	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	589333	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.43	164	340090	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.27	188	577064	40.00	ug/mL	0.00
14) Chrysene-d12	23.30	240	515246	40.00	ug/mL	0.00
15) Perylene-d12	26.18	264	497894	40.00	ug/mL	0.00

System Monitoring Compounds

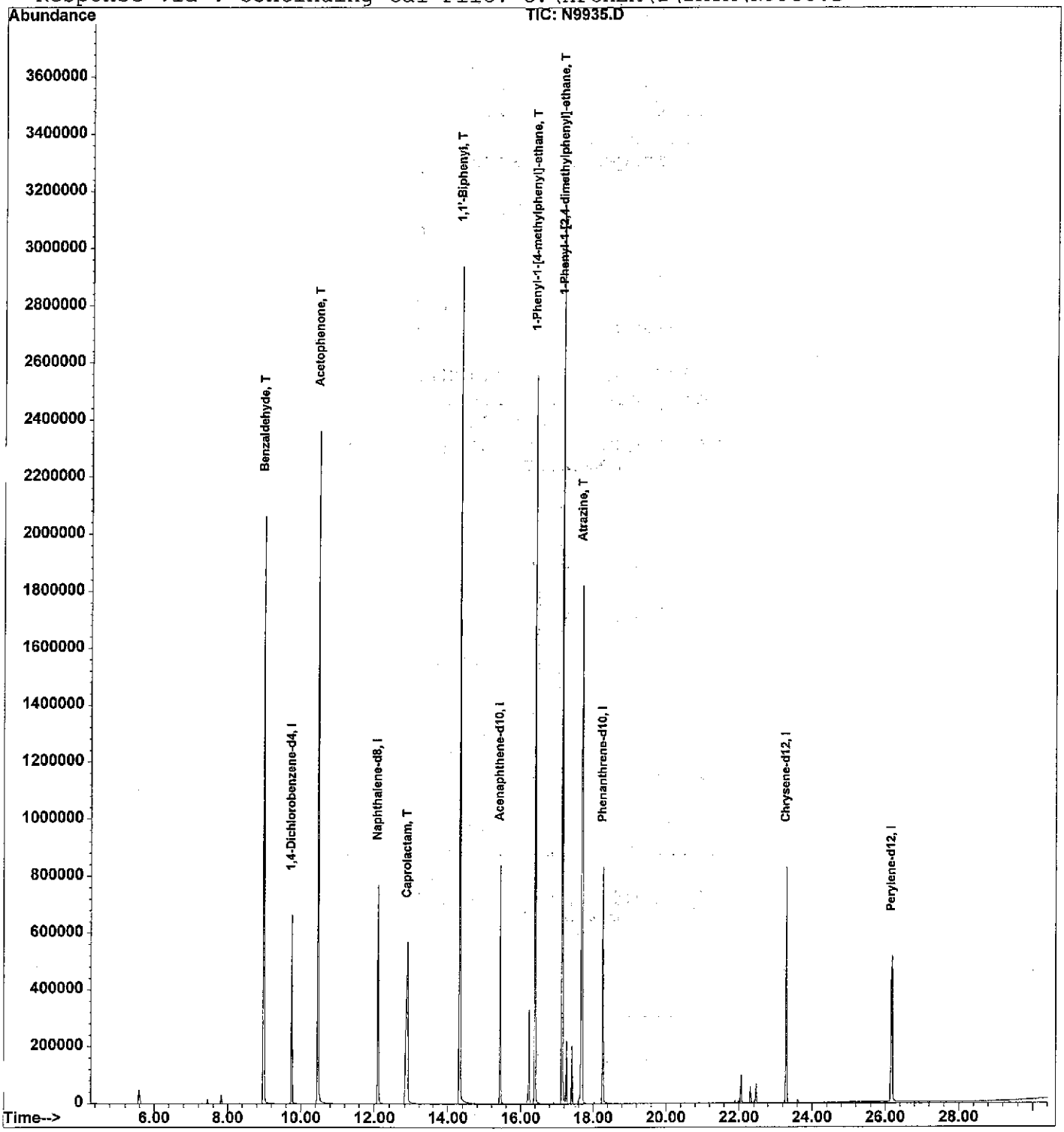
Target Compounds						Qvalue
2) Benzaldehyde	8.99	77	785552	154.65	ug/mL	100
4) Acetophenone	10.48	105	1168433	154.41	ug/mL	98
6) Caprolactam	12.89	55	301879	157.68	ug/mL	96
8) 1,1'-Biphenyl	14.33	154	1653620	153.79	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.41	181	999697	157.71	ug/mL	100
10) 1-Phenyl-1-[2,4-dimethylph	17.15	195	1192412	158.58	ug/mL	99
12) Atrazine	17.69	200	442920	164.23	ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9935.D Vial: 13
Acq On : 14 Oct 2008 15:47 Operator: MEG
Sample : SSTD160PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9936.D Vial: 14
Acq On : 14 Oct 2008 16:26 Operator: MEG
Sample : SSTD120PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	161782	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	547577	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.43	164	313237	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.27	188	542788	40.00	ug/mL	0.00
14) Chrysene-d12	23.30	240	481789	40.00	ug/mL	0.00
15) Perylene-d12	26.18	264	474075	40.00	ug/mL	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Benzaldehyde	8.98	77	549752	115.24	ug/mL	99
4) Acetophenone	10.47	105	839335	118.10	ug/mL	100
6) Caprolactam	12.87	55	209344	117.68	ug/mL	96
8) 1,1'-Biphenyl	14.32	154	1177893	118.94	ug/mL	100
9) 1-Phenyl-1-[4-methylphenyl	16.40	181	707638	121.21	ug/mL	100
10) 1-Phenyl-1-[2,4-dimethylph	17.14	195	846446	122.22	ug/mL	99
12) Atrazine	17.68	200	311532	122.81	ug/mL	99

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

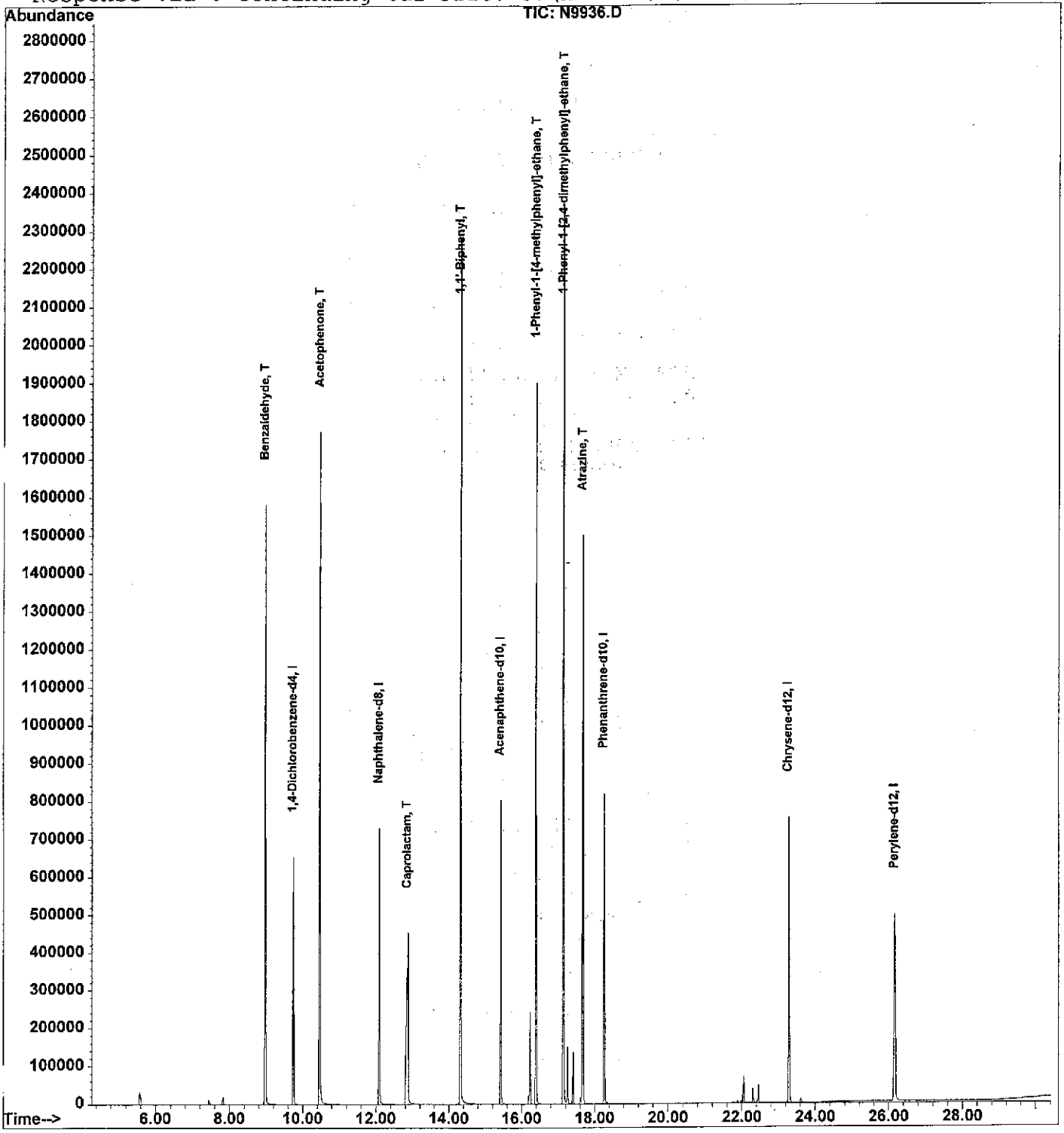
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9936.D
Acq On : 14 Oct 2008 16:26
Sample : SSTD120PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008

Vial: 14
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9937.D
Acq On : 14 Oct 2008 17:04
Sample : SSTD080PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008

Vial: 15
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	174753	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	585224	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.42	164	338938	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.27	188	583030	40.00	ug/mL	0.00
14) Chrysene-d12	23.29	240	514670	40.00	ug/mL	0.00
15) Perylene-d12	26.18	264	509879	40.00	ug/mL	0.00

System Monitoring Compounds

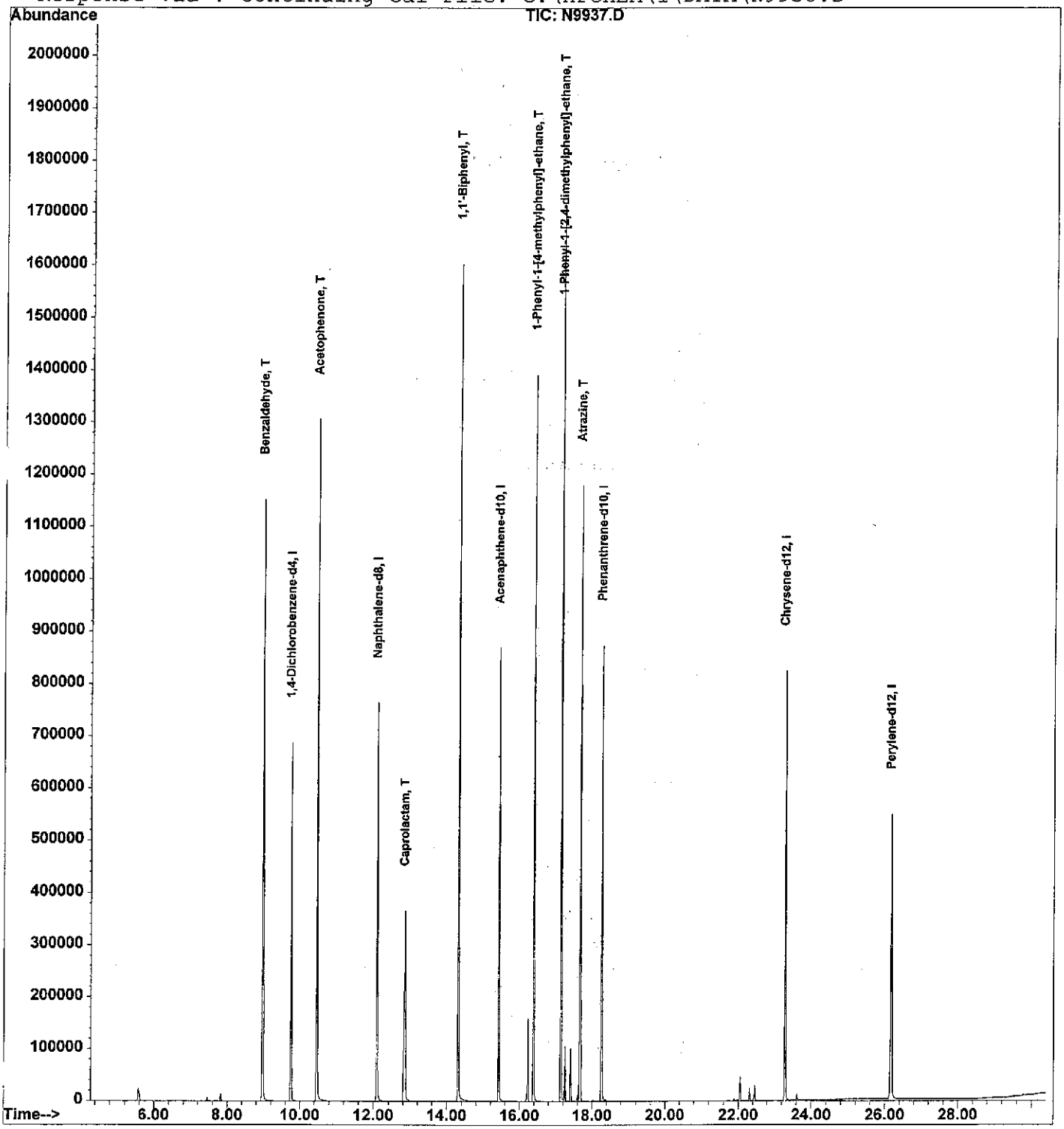
Target Compounds						Qvalue
2) Benzaldehyde	8.98	77	403800	78.36	ug/mL	99
4) Acetophenone	10.46	105	594329	77.42	ug/mL	99
6) Caprolactam	12.85	55	150721	79.28	ug/mL	97
8) 1,1'-Biphenyl	14.32	154	837740	78.18	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.40	181	504813	79.91	ug/mL	99
10) 1-Phenyl-1-[2,4-dimethylph	17.14	195	594566	79.34	ug/mL	100
12) Atrazine	17.68	200	222396	81.62	ug/mL	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9937.D Vial: 15
Acq On : 14 Oct 2008 17:04 Operator: MEG
Sample : SSTD080PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9938.D
Acq On : 14 Oct 2008 17:42
Sample : SSTD050PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:25 2008

Vial: 16
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:25:10 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	172716	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	589416	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.43	164	340231	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.27	188	592650	40.00	ug/mL	0.00
14) Chrysene-d12	23.30	240	523485	40.00	ug/mL	0.00
15) Perylene-d12	26.18	264	507978	40.00	ug/mL	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Benzaldehyde	8.97	77	254645	50.00	ug/mL	100
4) Acetophenone	10.46	105	379351	50.00	ug/mL	100
6) Caprolactam	12.84	55	95741	50.00	ug/mL	100
8) 1,1'-Biphenyl	14.32	154	537848	50.00	ug/mL	100
9) 1-Phenyl-1-[4-methylphenyl	16.39	181	317067	50.00	ug/mL	100
10) 1-Phenyl-1-[2,4-dimethylph	17.14	195	376116	50.00	ug/mL	100
12) Atrazine	17.67	200	138490	50.00	ug/mL	100

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

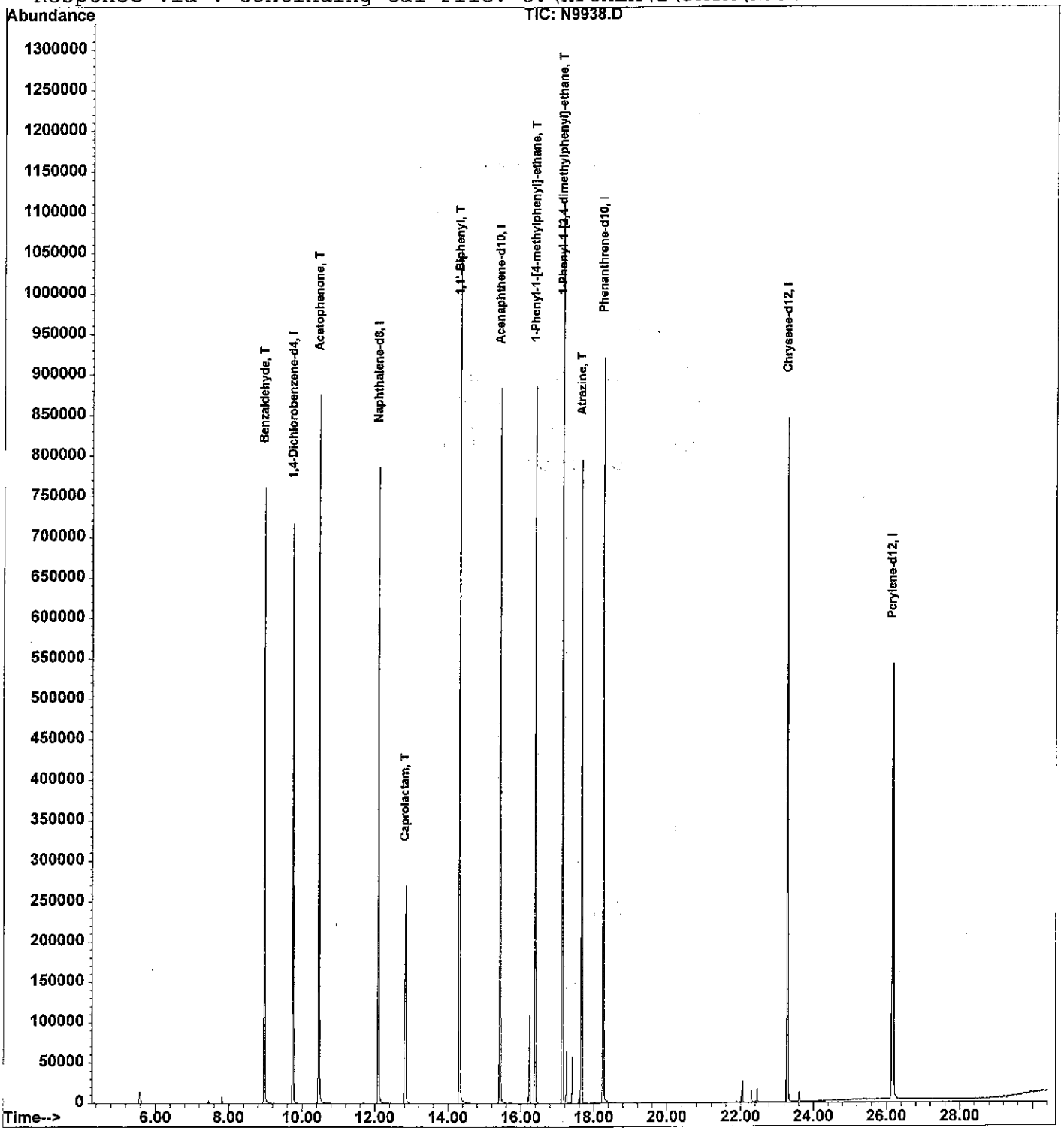
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9938.D
Acq On : 14 Oct 2008 17:42
Sample : SSTD050PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:25 2008

Vial: 16
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9939.D Vial: 17
Acq On : 14 Oct 2008 18:20 Operator: MEG
Sample : SSTD040PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

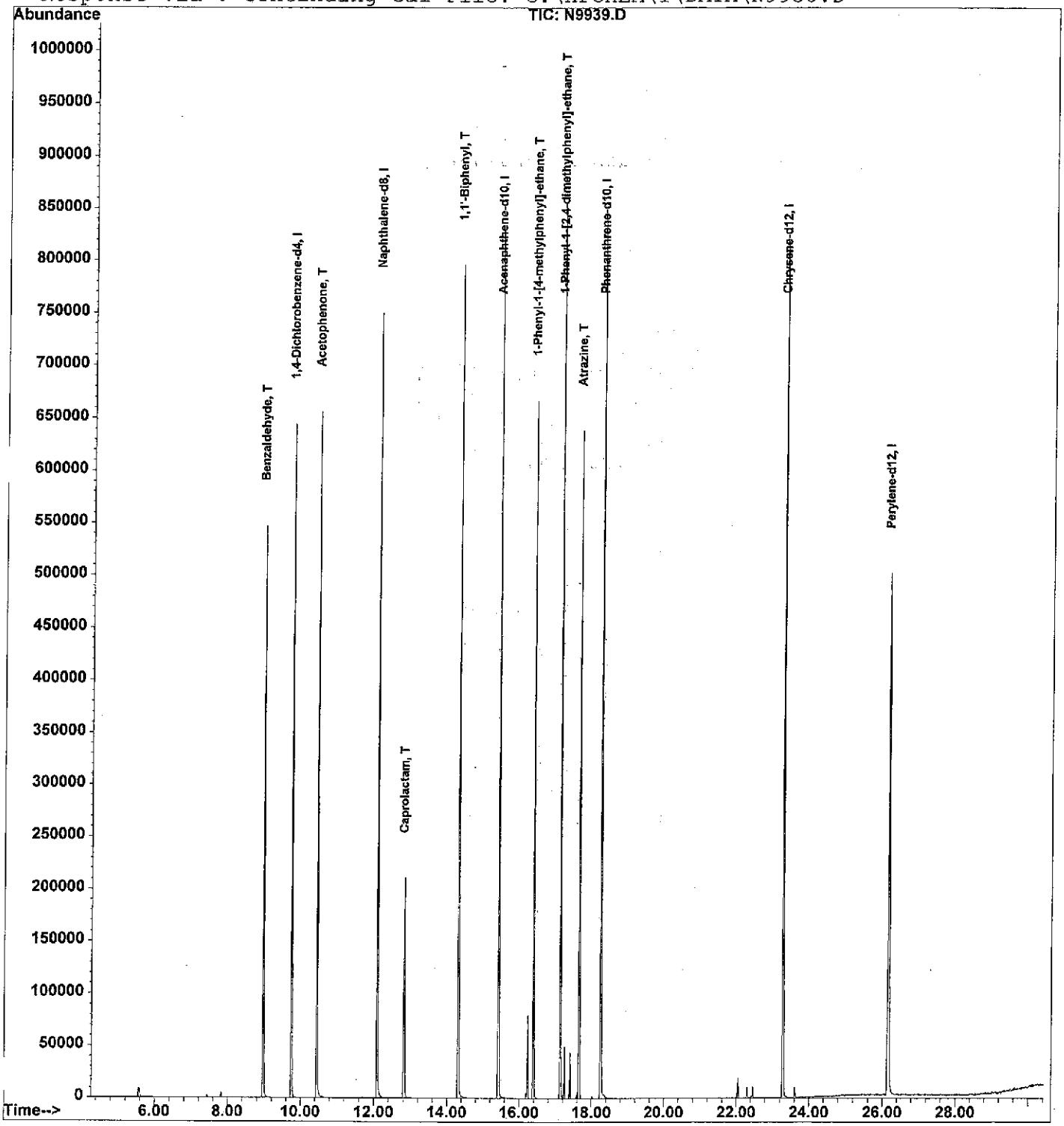
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	162634	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	553276	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.42	164	321236	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.26	188	555943	40.00	ug/mL	0.00
14) Chrysene-d12	23.29	240	495665	40.00	ug/mL	0.00
15) Perylene-d12	26.17	264	478542	40.00	ug/mL	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Benzaldehyde	8.97	77	190679	39.76	ug/mL	99
4) Acetophenone	10.46	105	277636	38.86	ug/mL	100
6) Caprolactam	12.83	55	69603	38.72	ug/mL	99
8) 1,1'-Biphenyl	14.32	154	402949	39.67	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.39	181	232509	38.83	ug/mL	99
10) 1-Phenyl-1-[2,4-dimethylph	17.13	195	277191	39.03	ug/mL	99
12) Atrazine	17.66	200	103159	39.70	ug/mL	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9939.D Vial: 17
Acq On : 14 Oct 2008 18:20 Operator: MEG
Sample : SSTD040PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9940.D Vial: 18
Acq On : 14 Oct 2008 18:58 Operator: MEG
Sample : SSTD020PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	160912	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	546490	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.43	164	317835	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.26	188	544439	40.00	ug/mL	0.00
14) Chrysene-d12	23.30	240	482054	40.00	ug/mL	0.00
15) Perylene-d12	26.18	264	461923	40.00	ug/mL	0.00

System Monitoring Compounds

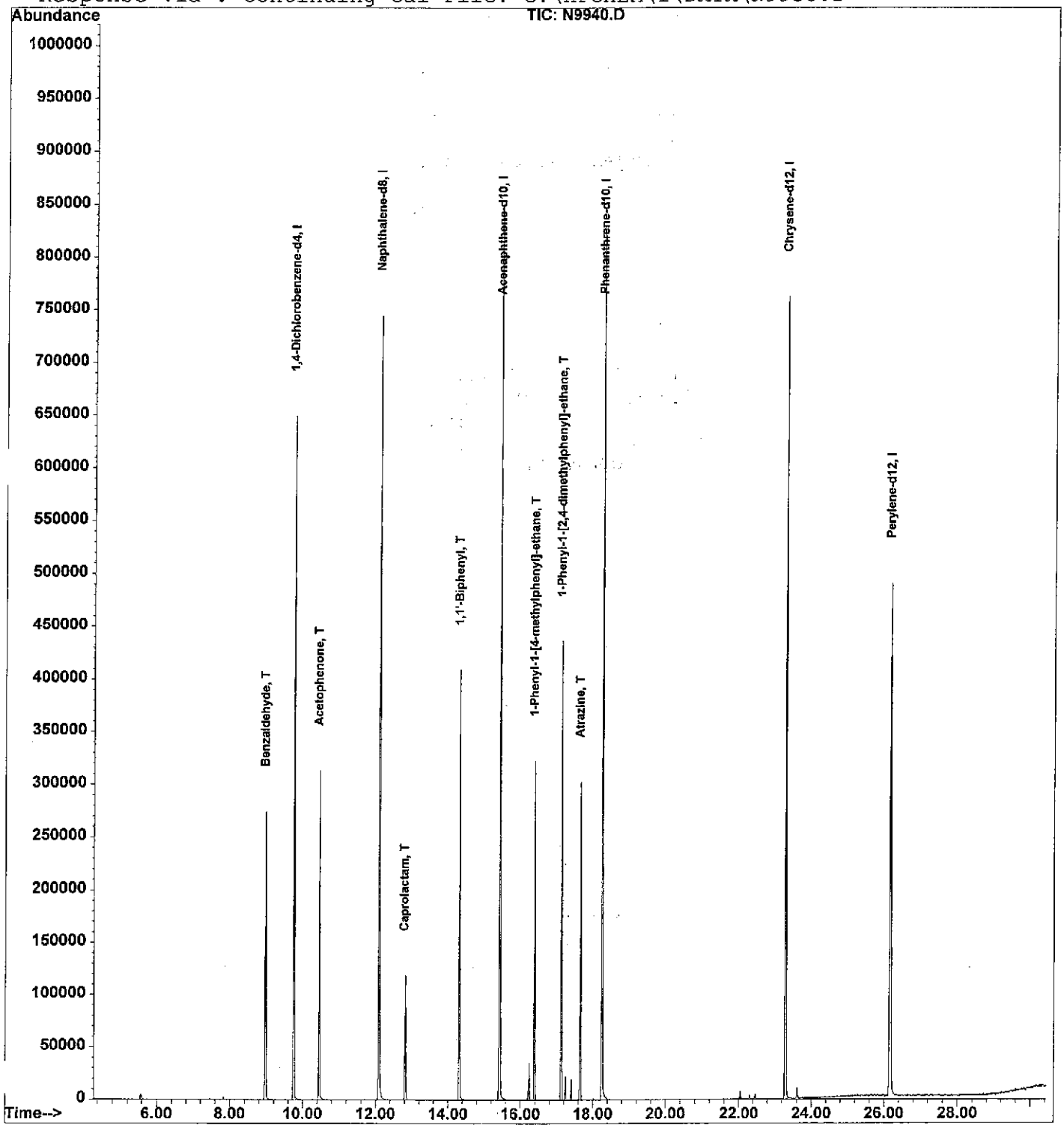
Target Compounds						Qvalue
2) Benzaldehyde	8.97	77	93260	19.66	ug/mL	97
4) Acetophenone	10.45	105	134992	19.10	ug/mL	99
6) Caprolactam	12.82	55	31858	17.94	ug/mL	98
8) 1,1'-Biphenyl	14.31	154	196936	19.60	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.39	181	109460	18.48	ug/mL	99
10) 1-Phenyl-1-[2,4-dimethylph	17.13	195	133710	19.03	ug/mL	99
12) Atrazine	17.66	200	49022	19.27	ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9940.D Vial: 18
Acq On : 14 Oct 2008 18:58 Operator: MEG
Sample : SSTD020PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9941.D
Acq On : 14 Oct 2008 19:37
Sample : SSTD010PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008

Vial: 19
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	177266	40.00	ug/mL	0.00
5) Naphthalene-d8	12.10	136	599835	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.42	164	343409	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.26	188	602025	40.00	ug/mL	0.00
14) Chrysene-d12	23.29	240	520639	40.00	ug/mL	0.00
15) Perylene-d12	26.17	264	512882	40.00	ug/mL	0.00

System Monitoring Compounds

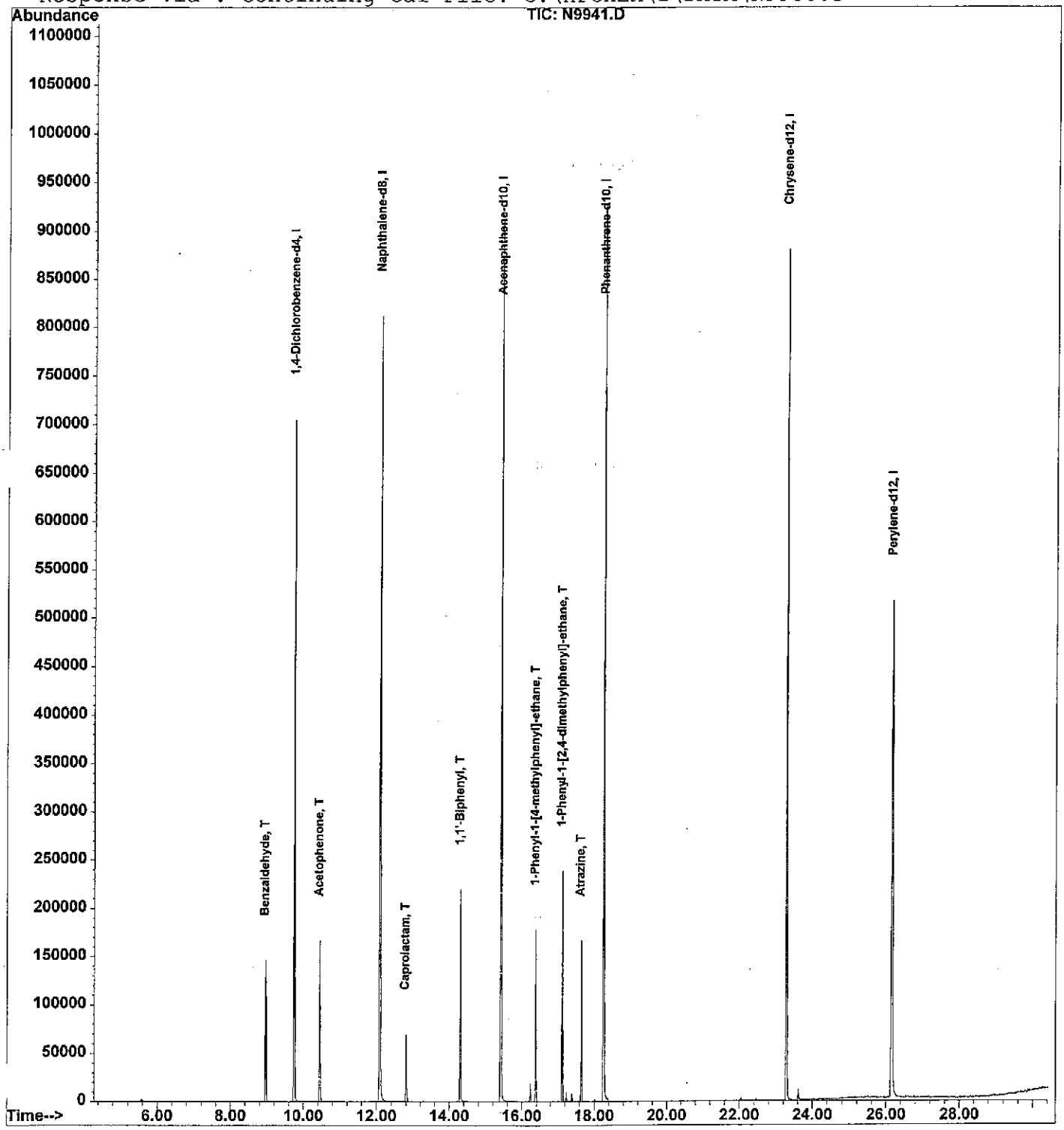
Target Compounds						Qvalue
2) Benzaldehyde	8.97	77	48473	9.27	ug/mL	99
4) Acetophenone	10.46	105	72993	9.37	ug/mL	100
6) Caprolactam	12.81	55	16901	8.67	ug/mL	100
8) 1,1'-Biphenyl	14.31	154	108631	10.01	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.38	181	61645	9.63	ug/mL	98
10) 1-Phenyl-1-[2,4-dimethylph	17.13	195	71305	9.39	ug/mL	99
12) Atrazine	17.65	200	25879	9.20	ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9941.D Vial: 19
Acq On : 14 Oct 2008 19:37 Operator: MEG
Sample : SSTD010PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N9942.D
Acq On : 14 Oct 2008 20:15
Sample : SSTD005PPM OLM
Misc : ICAL,8270W,
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008

Vial: 20
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 10 09:13:16 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D
DataAcq Meth : NO14FULL

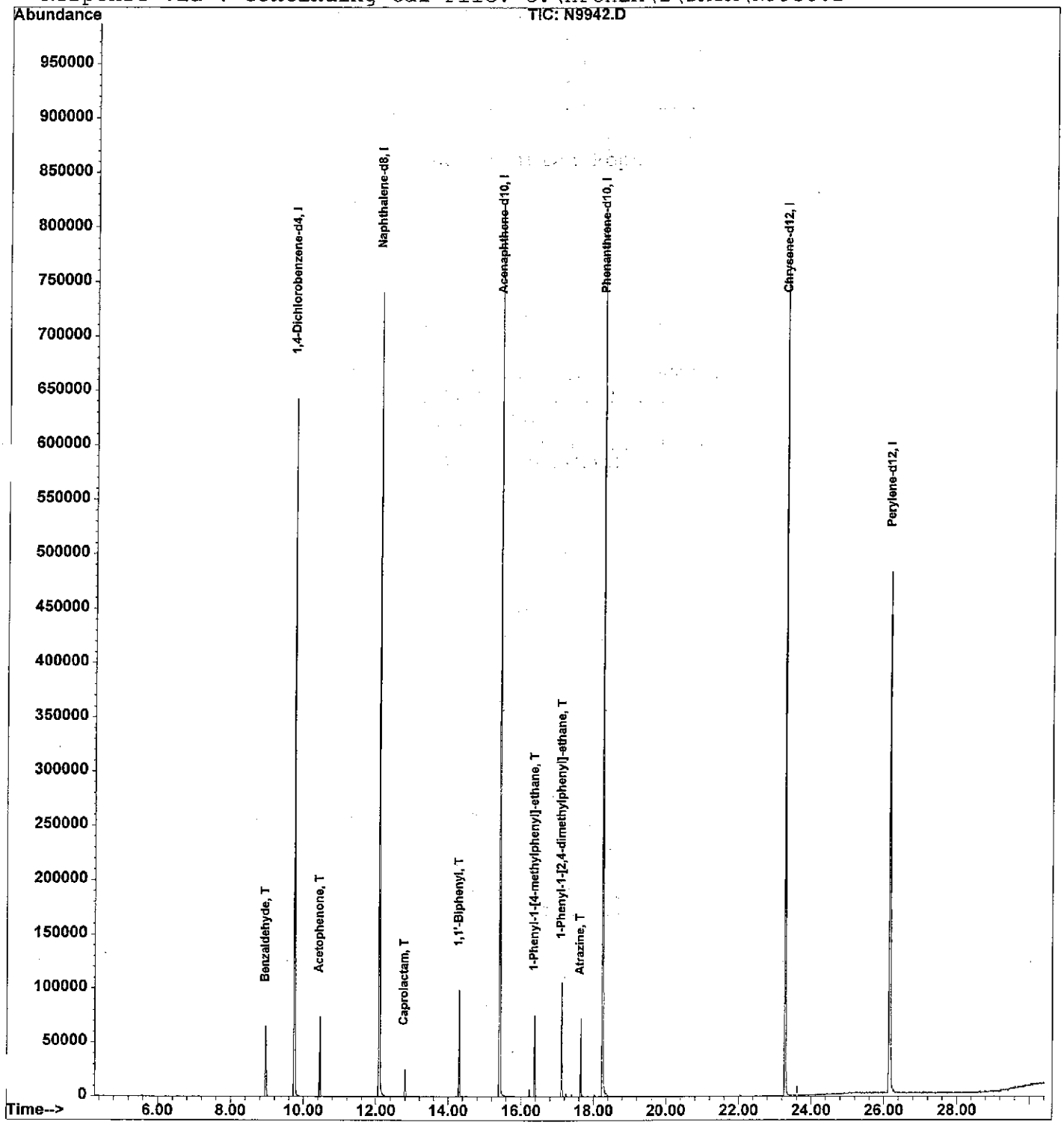
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.75	152	159534	40.00	ug/mL	0.00
5) Naphthalene-d8	12.09	136	540463	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.42	164	310623	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.26	188	529420	40.00	ug/mL	0.00
14) Chrysene-d12	23.29	240	478465	40.00	ug/mL	0.00
15) Perylene-d12	26.17	264	460296	40.00	ug/mL	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Benzaldehyde	8.97	77	20998	4.46	ug/mL	99
4) Acetophenone	10.46	105	31235	4.46	ug/mL	97
6) Caprolactam	12.80	55	6236	3.55	ug/mL	94
8) 1,1'-Biphenyl	14.31	154	48469	4.94	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.38	181	27103	4.68	ug/mL	99
10) 1-Phenyl-1-[2,4-dimethylph	17.13	195	32615	4.75	ug/mL	98
12) Atrazine	17.65	200	10753	4.35	ug/mL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N9942.D Vial: 20
Acq On : 14 Oct 2008 20:15 Operator: MEG
Sample : SSTD005PPM OLM Inst : #5MS26
Misc : ICAL,8270W, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 15 8:26 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Wed Oct 15 08:28:03 2008
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\N9938.D



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:42 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	S	2-Fluorophenol	1.103	1.122	-1.7	106	-0.03
3	S	Phenol-d5	1.510	1.527	-1.1	107	0.00
4	MC	Phenol	1.788	1.849	-3.4	110	0.00
5	T	bis(2-Chloroethyl)ether	1.413	1.408	0.4	106	0.00
6	M	2-Chlorophenol	1.237	1.288	-4.1	110	0.00
7	T	2-Methylphenol	1.308	1.269	3.0	103	0.01
8	T	2,2'-oxybis(1-chloropropane	1.565	1.722	-10.0	117	0.01
9	T	bis(2-Chloroisopropyl)ether	1.565	1.722	-10.0	117	0.01
10	T	4-Methylphenol	1.391	1.394	-0.2	106	0.02
11	MP	N-Nitroso-di-n-propylamine	1.005	1.045	-4.0	111	0.02
12	T	Hexachloroethane	0.621	0.648	-4.3	110	0.00
[illegible]	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
	S	Nitrobenzene-d5	0.461	0.476	-3.3	111	-0.02
15	T	Nitrobenzene	0.482	0.496	-2.9	110	-0.02
16	T	Isophorone	0.871	0.869	0.2	108	-0.01
17	TC	2-Nitrophenol	0.232	0.240	-3.4	107	0.00
18	T	2,4-Dimethylphenol	0.384	0.328	14.6	92	0.00
19	T	bis(2-Chloroethoxy)methane	0.498	0.495	0.6	110	0.00
20	TC	2,4-Dichlorophenol	0.344	0.340	1.2	106	0.00
21	T	Naphthalene	0.969	0.973	-0.4	110	0.00
22	T	4-Chloroaniline	0.515	0.512	0.6	109	0.00
23	TC	Hexachlorobutadiene	0.212	0.207	2.4	107	0.00
24	MC	4-Chloro-3-methylphenol	0.347	0.343	1.2	106	0.02
25	T	2-Methylnaphthalene	0.775	0.782	-0.9	109	0.00
26	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
27	TP	Hexachlorocyclopentadiene	0.352	0.369	-4.8	107	0.00
28	TC	2,4,6-Trichlorophenol	0.380	0.385	-1.3	105	0.00
29	T	2,4,5-Trichlorophenol	0.464	0.464	0.0	102	0.00
30	S	2-Fluorobiphenyl	1.242	1.229	1.0	104	0.00
31	T	2-Chloronaphthalene	1.143	1.150	-0.6	106	-0.01
32	T	2-Nitroaniline	0.470	0.509	-8.3	113	0.00
33	T	Dimethyl phthalate	1.448	1.461	-0.9	107	0.00
34	T	2,6-Dinitrotoluene	0.366	0.372	-1.6	107	0.00
35	T	Acenaphthylene	1.812	1.859	-2.6	108	0.00
36	T	3-Nitroaniline	0.414	0.439	-6.0	110	0.00
37	TCM	Acenaphthene	1.080	1.090	-0.9	108	0.00
	TP	2,4-Dinitrophenol	0.231	0.197	14.7	93	0.00
[illegible]	MP	4-Nitrophenol	0.192	0.199	-3.6	113	0.02

(#) = Out of Range
N0020.D NO14OL42.M Mon Oct 20 09:13:09 2008 Page

10/20/08

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:42 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	M	2,4-Dinitrotoluene	0.462	0.464	-0.4	103	0.00
41	T	Dibenzofuran	1.946	1.926	1.0	106	0.00
42	T	Diethyl phthalate	1.421	1.457	-2.5	109	0.01
43	T	4-Chlorophenyl phenyl ether	0.608	0.607	0.2	105	0.02
44	T	Fluorene	1.324	1.336	-0.9	107	0.01
45	T	4-Nitroaniline	0.414	0.441	-6.5	107	0.02
46	S	2,4,6-Tribromophenol	0.278	0.307	-10.4	113	0.01
47	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
48	T	4,6-Dinitro-2-methylphenol	0.160	0.159	0.6	97	0.00
49	TC	n-Nitrosodiphenylamine	0.515	0.529	-2.7	104	-0.01
50	T	4-Bromophenyl phenyl ether	0.213	0.222	-4.2	105	0.00
51	T	Hexachlorobenzene	0.284	0.303	-6.7	108	0.00
52	MC	Pentachlorophenol	0.143	0.159	-11.2	112	0.00
	T	Phenanthrene	1.001	1.044	-4.3	105	0.00
54	T	Anthracene	1.021	1.055	-3.3	103	0.00
55	T	Carbazole	0.933	0.950	-1.8	103	0.01
56	T	Di-n-butyl phthalate	1.325	1.498	-13.1	112	0.02
57	TC	Fluoranthene	1.002	1.064	-6.2	106	0.01
58	I	Chrysene-d12	1.000	1.000	0.0	110	0.00
59	M	Pyrene	1.222	1.160	5.1	103	-0.02
60	S	Terphenyl-d14	0.718	0.727	-1.3	110	0.00
61	T	Butyl benzyl phthalate	0.732	0.770	-5.2	113	0.00
62	T	3,3'-Dichlorobenzidine	0.421	0.429	-1.9	112	0.00
63	T	Benzo[a]anthracene	1.078	1.078	0.0	110	0.00
64	T	bis(2-Ethylhexyl)phthalate	1.032	1.071	-3.8	114	0.01
65	T	Chrysene	1.002	1.001	0.1	108	0.00
66	TC	Di-n-octyl phthalate	1.818	1.902	-4.6	112	0.02
67	T	Indeno[1,2,3-cd]pyrene	1.135	1.234	-8.7	115	-0.06
68	I	Perylene-d12	1.000	1.000	0.0	109	0.00
69	T	Benzo[b]fluoranthene	1.087	1.056	2.9	105	0.02
70	T	Benzo[k]fluoranthene	1.032	1.081	-4.7	113	0.02
71	TC	Benzo[a]pyrene	0.988	0.986	0.2	107	0.00
72	T	Dibenz[a,h]anthracene	0.929	1.025	-10.3	116	0.00
73	T	Benzo[g,h,i]perylene	0.912	1.002	-9.9	117	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0020.D
Acq On : 17 Oct 2008 10:43
Sample : CC101708A5
Misc : CCV ,8270SAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:42 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	106	0.00
2	S	2-Fluorophenol	50.000	50.830	-1.7	106	-0.03
3	S	Phenol-d5	50.000	50.559	-1.1	107	0.00
4	MC	Phenol	50.000	51.720	-3.4	110	0.00
5	T	bis(2-Chloroethyl)ether	50.000	49.830	0.3	106	0.00
6	M	2-Chlorophenol	50.000	52.091	-4.2	110	0.00
7	T	2-Methylphenol	50.000	48.516	3.0	103	0.01
8	T	2,2'-oxybis(1-chloropropane	50.000	55.021	-10.0	117	0.01
9	T	bis(2-Chloroisopropyl)ether	50.000	55.021	-10.0	117	0.01
10	T	4-Methylphenol	50.000	50.138	-0.3	106	0.02
11	MP	N-Nitroso-di-n-propylamine	50.000	52.010	-4.0	111	0.02
12	T	Hexachloroethane	50.000	52.116	-4.2	110	0.00
13	I	Naphthalene-d8	40.000	40.000	0.0	109	0.00
	S	Nitrobenzene-d5	50.000	51.733	-3.5	111	-0.02
15	T	Nitrobenzene	50.000	51.421	-2.8	110	-0.02
16	T	Isophorone	50.000	49.904	0.2	108	-0.01
17	TC	2-Nitrophenol	50.000	51.712	-3.4	107	0.00
18	T	2,4-Dimethylphenol	50.000	42.735	14.5	92	0.00
19	T	bis(2-Chloroethoxy)methane	50.000	49.722	0.6	110	0.00
20	TC	2,4-Dichlorophenol	50.000	49.520	1.0	106	0.00
21	T	Naphthalene	50.000	50.248	-0.5	110	0.00
22	T	4-Chloroaniline	50.000	49.659	0.7	109	0.00
23	TC	Hexachlorobutadiene	50.000	48.872	2.3	107	0.00
24	MC	4-Chloro-3-methylphenol	50.000	49.519	1.0	106	0.02
25	T	2-Methylnaphthalene	50.000	50.398	-0.8	109	0.00
26	I	Acenaphthene-d10	40.000	40.000	0.0	106	0.00
27	TP	Hexachlorocyclopentadiene	50.000	52.314	-4.6	107	0.00
28	TC	2,4,6-Trichlorophenol	50.000	50.596	-1.2	105	0.00
29	T	2,4,5-Trichlorophenol	50.000	49.937	0.1	102	0.00
30	S	2-Fluorobiphenyl	50.000	49.477	1.0	104	0.00
31	T	2-Chloronaphthalene	50.000	50.306	-0.6	106	-0.01
32	T	2-Nitroaniline	50.000	54.245	-8.5	113	0.00
33	T	Dimethyl phthalate	50.000	50.435	-0.9	107	0.00
34	T	2,6-Dinitrotoluene	50.000	50.902	-1.8	107	0.00
35	T	Acenaphthylene	50.000	51.295	-2.6	108	0.00
36	T	3-Nitroaniline	50.000	53.065	-6.1	110	0.00
37	TCM	Acenaphthene	50.000	50.473	-0.9	108	0.00
	TP	2,4-Dinitrophenol	50.000	44.194	11.6	93	0.00
	MP	4-Nitrophenol	50.000	51.809	-3.6	113	0.02

(#) = Out of Range

Mark Shaw 10/20/08

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:42 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	M	2,4-Dinitrotoluene	50.000	50.215	-0.4	103	0.00
41	T	Dibenzofuran	50.000	49.487	1.0	106	0.00
42	T	Diethyl phthalate	50.000	51.276	-2.6	109	0.01
43	T	4-Chlorophenyl phenyl ether	50.000	49.952	0.1	105	0.02
44	T	Fluorene	50.000	50.438	-0.9	107	0.01
45	T	4-Nitroaniline	50.000	53.315	-6.6	107	0.02
46	S	2,4,6-Tribromophenol	50.000	55.265	-10.5	113	0.01
47	I	Phenanthrene-d10	40.000	40.000	0.0	102	0.00
48	T	4,6-Dinitro-2-methylphenol	50.000	49.553	0.9	97	0.00
49	TC	n-Nitrosodiphenylamine	50.000	51.443	-2.9	104	-0.01
50	T	4-Bromophenyl phenyl ether	50.000	52.090	-4.2	105	0.00
51	T	Hexachlorobenzene	50.000	53.433	-6.9	108	0.00
52	MC	Pentachlorophenol	50.000	55.457	-10.9	112	0.00
	T	Phenanthrene	50.000	52.168	-4.3	105	0.00
54	T	Anthracene	50.000	51.629	-3.3	103	0.00
55	T	Carbazole	50.000	50.945	-1.9	103	0.01
56	T	Di-n-butyl phthalate	50.000	56.546	-13.1	112	0.02
57	TC	Fluoranthene	50.000	53.069	-6.1	106	0.01
58	I	Chrysene-d12	40.000	40.000	0.0	110	0.00
59	M	Pyrene	50.000	47.480	5.0	103	-0.02
60	S	Terphenyl-d14	50.000	50.638	-1.3	110	0.00
61	T	Butyl benzyl phthalate	50.000	52.602	-5.2	113	0.00
62	T	3,3'-Dichlorobenzidine	50.000	50.962	-1.9	112	0.00
63	T	Benzo[a]anthracene	50.000	50.010	-0.0	110	0.00
64	T	bis(2-Ethylhexyl)phthalate	50.000	51.856	-3.7	114	0.01
65	T	Chrysene	50.000	49.956	0.1	108	0.00
66	TC	Di-n-octyl phthalate	50.000	52.301	-4.6	112	0.02
67	T	Indeno[1,2,3-cd]pyrene	50.000	54.374	-8.7	115	-0.06
68	I	Perylene-d12	40.000	40.000	0.0	109	0.00
69	T	Benzo[b]fluoranthene	50.000	48.573	2.9	105	0.02
70	T	Benzo[k]fluoranthene	50.000	52.360	-4.7	113	0.02
71	TC	Benzo[a]pyrene	50.000	49.940	0.1	107	0.00
72	T	Dibenz[a,h]anthracene	50.000	55.130	-10.3	116	0.00
73	T	Benzo[g,h,i]perylene	50.000	54.940	-9.9	117	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0020.D NO14OL42.M Mon Oct 20 09:12:52 2008 Pa

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:11 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	179993	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	620338	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	362404	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.10	188	626535	40.00	ug/mL	0.00
58) Chrysene-d12	23.14	240	588434	40.00	ug/mL	0.00
68) Perylene-d12	25.95	264	607833	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.26	112	252360	50.83	ug/mL	-0.03
Spiked Amount 150.000			Recovery = 33.89%			
3) Phenol-d5	8.88	99	343492	50.56	ug/mL	0.00
Spiked Amount 150.000			Recovery = 33.71%			
14) Nitrobenzene-d5	10.60	82	369485	51.73	ug/mL	-0.02
Spiked Amount 100.000			Recovery = 51.73%			
30) 2-Fluorobiphenyl	13.96	172	556733	49.48	ug/mL	0.00
Spiked Amount 100.000			Recovery = 49.48%			
46) 2,4,6-Tribromophenol	16.76	330	139064	55.27	ug/mL	0.01
Spiked Amount 150.000			Recovery = 36.85%			
60) Terphenyl-d14	21.11	244	534771	50.64	ug/mL	0.00
Spiked Amount 100.000			Recovery = 50.64%			
Target Compounds						Qvalue
4) Phenol	8.91	94	416022	51.72	ug/mL	97
5) bis(2-Chloroethyl)ether	9.09	93	316776	49.83	ug/mL	95
6) 2-Chlorophenol	9.21	128	289858	52.09	ug/mL	98
7) 2-Methylphenol	9.99	108	285578	48.52	ug/mL	97
8) 2,2'-oxybis(1-chloropropan	10.07	45	387509	55.02	ug/mL	97
9) bis(2-Chloroisopropyl)ethe	10.07	45	387509	55.02	ug/mL	97
10) 4-Methylphenol	10.27	108	313726	50.14	ug/mL	100
11) N-Nitroso-di-n-propylamine	10.31	70	235228	52.01	ug/mL	98
12) Hexachloroethane	10.52	117	145703	52.12	ug/mL	93
15) Nitrobenzene	10.64	77	384621	51.42	ug/mL	99
16) Isophorone	11.07	82	673963	49.90	ug/mL	99
17) 2-Nitrophenol	11.22	139	186442	51.71	ug/mL	100
18) 2,4-Dimethylphenol	11.26	107	254525	42.74	ug/mL	98
19) bis(2-Chloroethoxy)methane	11.45	93	384114	49.72	ug/mL	99
20) 2,4-Dichlorophenol	11.66	162	264028	49.52	ug/mL	100
21) Naphthalene	11.99	128	754859	50.25	ug/mL#	100
22) 4-Chloroaniline	12.06	127	396802	49.66	ug/mL	99
23) Hexachlorobutadiene	12.19	225	160399	48.87	ug/mL	98
24) 4-Chloro-3-methylphenol	12.94	107	266170	49.52	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:11 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Methylnaphthalene	13.28	142	606071	50.40 ug/mL	99
27) Hexachlorocyclopentadiene	13.57	237	167004	52.31 ug/mL	99
28) 2,4,6-Trichlorophenol	13.80	196	174256	50.60 ug/mL	96
29) 2,4,5-Trichlorophenol	13.86	196	210044	49.94 ug/mL	99
31) 2-Chloronaphthalene	14.21	162	520916	50.31 ug/mL	99
32) 2-Nitroaniline	14.39	65	230795	54.25 ug/mL	97
33) Dimethyl phthalate	14.72	163	661732	50.44 ug/mL	99
34) 2,6-Dinitrotoluene	14.84	165	168650	50.90 ug/mL	95
35) Acenaphthylene	15.00	152	842246	51.30 ug/mL	100
36) 3-Nitroaniline	15.17	138	198900	53.07 ug/mL	98
37) Acenaphthene	15.33	153	493926	50.47 ug/mL	99
38) 2,4-Dinitrophenol	15.36	184	89354	44.19 ug/mL#	1
39) 4-Nitrophenol	15.45	109	90075	51.81 ug/mL	98
40) 2,4-Dinitrotoluene	15.61	165	210189	50.22 ug/mL	95
41) Dibenzofuran	15.66	168	872432	49.49 ug/mL	96
42) Diethyl phthalate	16.06	149	660017	51.28 ug/mL	98
43) 4-Chlorophenyl phenyl ethe	16.29	204	275033	49.95 ug/mL	96
44) Fluorene	16.31	166	605199	50.44 ug/mL	99
45) 4-Nitroaniline	16.34	138	199941	53.31 ug/mL	86
48) 4,6-Dinitro-2-methylphenol	16.39	198	124308	49.55 ug/mL	93
49) n-Nitrosodiphenylamine	16.51	169	414652	51.44 ug/mL	100
50) 4-Bromophenyl phenyl ether	17.23	248	173834	52.09 ug/mL	96
51) Hexachlorobenzene	17.35	284	237633	53.43 ug/mL	97
52) Pentachlorophenol	17.72	266	124566	55.46 ug/mL	98
53) Phenanthrene	18.15	178	817855	52.17 ug/mL	100
54) Anthracene	18.25	178	826022	51.63 ug/mL	99
55) Carbazole	18.54	167	744302	50.94 ug/mL	99
56) Di-n-butyl phthalate	19.16	149	1173218	56.55 ug/mL	100
57) Fluoranthene	20.41	202	833302	53.07 ug/mL	98
59) Pyrene	20.86	202	853195	47.48 ug/mL	98
61) Butyl benzyl phthalate	22.02	149	566406	52.60 ug/mL	99
62) 3,3'-Dichlorobenzidine	23.04	252	315552	50.96 ug/mL	99
63) Benzo[a]anthracene	23.12	228	792904	50.01 ug/mL	100
64) bis(2-Ethylhexyl)phthalate	23.08	149	787414	51.86 ug/mL	98
65) Chrysene	23.19	228	736270	49.96 ug/mL	100
66) Di-n-octyl phthalate	24.26	149	1398863	52.30 ug/mL	100
67) Indeno[1,2,3-cd]pyrene	28.69	276	907859	54.37 ug/mL	98
69) Benzo[b]fluoranthene	25.12	252	802145	48.57 ug/mL	99
70) Benzo[k]fluoranthene	25.18	252	821312	52.36 ug/mL	100
71) Benzo[a]pyrene	25.83	252	749416	49.94 ug/mL	99
72) Dibenz[a,h]anthracene	28.72	278	778654	55.13 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:11 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

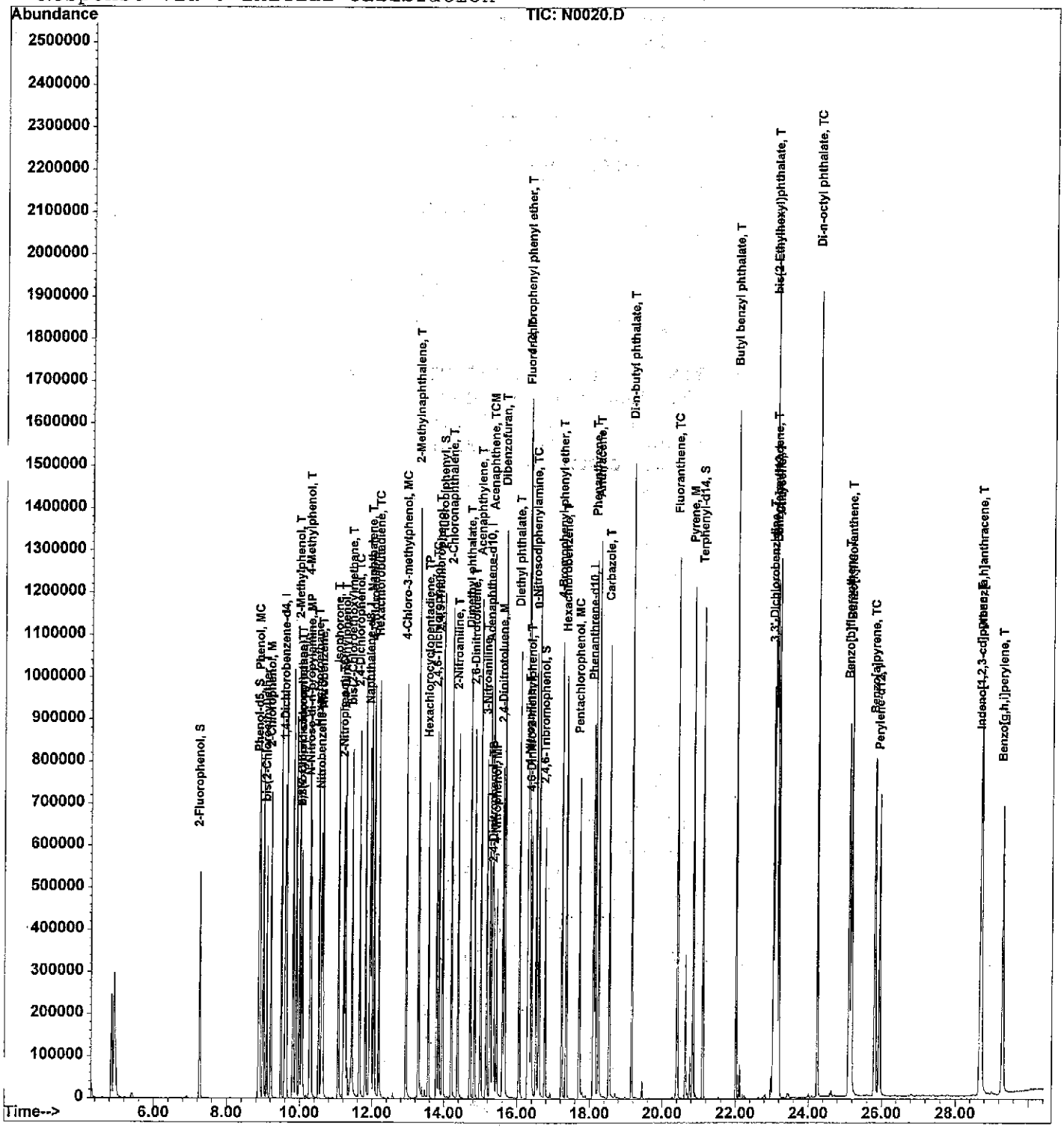
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
73) Benzo[g,h,i]perylene	29.30	276	761304	54.94 ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0020.D NO14OL42.M Mon Oct 20 09:14:21 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0020.D Vial: 2
Acq On : 17 Oct 2008 10:43 Operator: MEG
Sample : CC101708A5 Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:11 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:11:40 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0021.D Vial: 3
Acq On : 17 Oct 2008 11:21 Operator: MEG
Sample : CC101708B5 OLM Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:34:25 2008
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2	T	Benzaldehyde	1.136	1.181	-4.0	104	-0.01
3	T	2-Octanol	0.000	0.001#	0.0	0#	0.02
4	T	Acetophenone	1.685	1.715	-1.8	101	0.01
5	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
6	T	Caprolactam	0.120	0.134	-11.7	107	0.00
7	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
8	T	1,1'-Biphenyl	1.247	1.298	-4.1	106	0.00
9	T	1-Phenyl-1-[4-methylphenyl]	0.726	0.726	0.0	100	0.02
10	T	1-Phenyl-1-[2,4-dimethylphe	0.864	0.876	-1.4	102	0.02
11	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
	T	Atrazine	0.183	0.191	-4.4	105	0.00
13	T	2-Ethylanthraquinone	0.000	0.000#	0.0	0#	-22.67#
14	I	Chrysene-d12	1.000	1.000	0.0	106	0.00
15	I	Perylene-d12	1.000	1.000	0.0	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0021.D NO14OLM.M Mon Oct 20 09:34:48 2008 Pag

10/20/08

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0021.D Vial: 3
Acq On : 17 Oct 2008 11:21 Operator: MEG
Sample : CC101708B5 OLM Inst : #5MS26
Misc : CCV ,8270SAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:34 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:34:25 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	179036	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	610309	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.26	164	350795	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.10	188	609660	40.00	ug/mL	0.00
14) Chrysene-d12	23.12	240	554661	40.00	ug/mL	0.00
15) Perylene-d12	25.94	264	566452	40.00	ug/mL	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Benzaldehyde	8.82	77	264346	52.00	ug/mL	97
4) Acetophenone	10.31	105	383771	50.88	ug/mL	98
6) Caprolactam	12.68	55	102401	55.83	ug/mL	100
8) 1,1'-Biphenyl	14.16	154	569226	52.05	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.23	181	318524	50.04	ug/mL	98
10) 1-Phenyl-1-[2,4-dimethylph	16.98	195	384124	50.68	ug/mL	99
12) Atrazine	17.51	200	145441	52.25	ug/mL	99

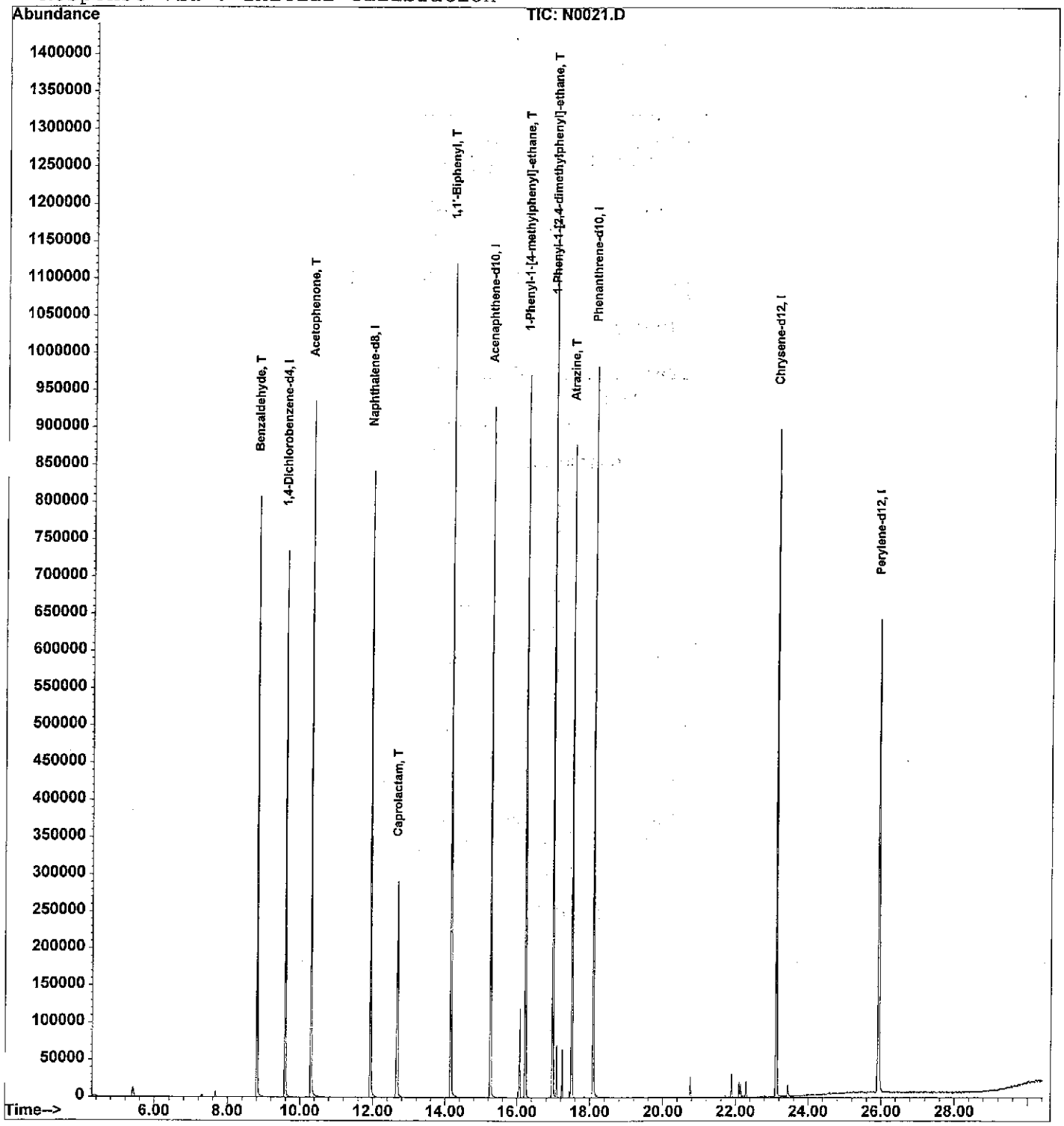
(#) = qualifier out of range (m) = manual integration
N0021.D NO14OLM.M Mon Oct 20 09:34:52 2008 Pag

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0021.D
Acq On : 17 Oct 2008 11:21
Sample : CC101708B5 OLM
Misc : CCV ,8270SAF_40CAL,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:34 2008

Vial: 3
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:34:25 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	-0.08
2	S	2-Fluorophenol	1.103	1.047	5.1	88	-0.06
3	S	Phenol-d5	1.510	1.360	9.9	85	-0.05
4	MC	Phenol	1.788	1.631	8.8	86	-0.05
5	T	bis(2-Chloroethyl)ether	1.413	1.243	12.0	83	-0.07
6	M	2-Chlorophenol	1.237	1.241	-0.3	94	-0.07
7	T	2-Methylphenol	1.308	1.181	9.7	85	-0.06
8	T	2,2'-oxybis(1-chloropropane	1.565	1.398	10.7	84	-0.08
9	T	bis(2-Chloroisopropyl)ether	1.565	1.398	10.7	84	-0.08
10	T	4-Methylphenol	1.391	1.288	7.4	87	-0.06
11	MP	N-Nitroso-di-n-propylamine	1.005	0.967	3.8	91	-0.07
12	T	Hexachloroethane	0.621	0.618	0.5	93	-0.08
13	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.08
	S	Nitrobenzene-d5	0.461	0.453	1.7	92	-0.07
15	T	Nitrobenzene	0.482	0.478	0.8	92	-0.07
16	T	Isophorone	0.871	0.825	5.3	90	-0.07
17	TC	2-Nitrophenol	0.232	0.238	-2.6	93	-0.08
18	T	2,4-Dimethylphenol	0.384	0.318	17.2	78	-0.07
19	T	bis(2-Chloroethoxy)methane	0.498	0.443	11.0	86	-0.07
20	TC	2,4-Dichlorophenol	0.344	0.347	-0.9	94	-0.07
21	T	Naphthalene	0.969	0.962	0.7	95	-0.08
22	T	4-Chloroaniline	0.515	0.503	2.3	94	-0.07
23	TC	Hexachlorobutadiene	0.212	0.209	1.4	94	-0.08
24	MC	4-Chloro-3-methylphenol	0.347	0.341	1.7	92	-0.06
25	T	2-Methylnaphthalene	0.775	0.777	-0.3	94	-0.08
26	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.08
27	TP	Hexachlorocyclopentadiene	0.352	0.276	21.6	71	-0.08
28	TC	2,4,6-Trichlorophenol	0.380	0.391	-2.9	95	-0.07
29	T	2,4,5-Trichlorophenol	0.464	0.465	-0.2	90	-0.07
30	S	2-Fluorobiphenyl	1.242	1.214	2.3	91	-0.08
31	T	2-Chloronaphthalene	1.143	1.164	-1.8	96	-0.08
32	T	2-Nitroaniline	0.470	0.485	-3.2	96	-0.07
33	T	Dimethyl phthalate	1.448	1.480	-2.2	96	-0.08
34	T	2,6-Dinitrotoluene	0.366	0.377	-3.0	96	-0.07
35	T	Acenaphthylene	1.812	1.853	-2.3	96	-0.08
36	T	3-Nitroaniline	0.414	0.427	-3.1	95	-0.07
37	TCM	Acenaphthene	1.080	1.103	-2.1	97	-0.08
	TP	2,4-Dinitrophenol	0.231	0.146	36.8#	61	-0.07
	MP	4-Nitrophenol	0.192	0.215	-12.0	108	-0.05

(#) = Out of Range

10/21/08

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	M	2,4-Dinitrotoluene	0.462	0.474	-2.6	93	-0.07
41	T	Dibenzofuran	1.946	1.952	-0.3	95	-0.08
42	T	Diethyl phthalate	1.421	1.497	-5.3	99	-0.08
43	T	4-Chlorophenyl phenyl ether	0.608	0.584	3.9	89	-0.08
44	T	Fluorene	1.324	1.346	-1.7	95	-0.08
45	T	4-Nitroaniline	0.414	0.442	-6.8	95	-0.07
46	S	2,4,6-Tribromophenol	0.278	0.319	-14.7	104	-0.08
47	I	Phenanthrene-d10	1.000	1.000	0.0	91	-0.08
48	T	4,6-Dinitro-2-methylphenol	0.160	0.127	20.6	70	-0.07
49	TC	n-Nitrosodiphenylamine	0.515	0.526	-2.1	92	-0.08
50	T	4-Bromophenyl phenyl ether	0.213	0.225	-5.6	95	-0.08
51	T	Hexachlorobenzene	0.284	0.301	-6.0	96	-0.08
52	MC	Pentachlorophenol	0.143	0.125	12.6	78	-0.08
	T	Phenanthrene	1.001	1.040	-3.9	94	-0.08
54	T	Anthracene	1.021	1.044	-2.3	91	-0.08
55	T	Carbazole	0.933	0.964	-3.3	93	-0.08
56	T	Di-n-butyl phthalate	1.325	1.529	-15.4	102	-0.08
57	TC	Fluoranthene	1.002	1.069	-6.7	95	-0.08
58	I	Chrysene-d12	1.000	1.000	0.0	98	-0.08
59	M	Pyrene	1.222	1.173	4.0	93	-0.09
60	S	Terphenyl-d14	0.718	0.739	-2.9	100	-0.08
61	T	Butyl benzyl phthalate	0.732	0.780	-6.6	102	-0.08
62	T	3,3'-Dichlorobenzidine	0.421	0.392	6.9	92	-0.08
63	T	Benzo[a]anthracene	1.078	1.074	0.4	99	-0.08
64	T	bis(2-Ethylhexyl)phthalate	1.032	1.092	-5.8	104	-0.08
65	T	Chrysene	1.002	0.984	1.8	95	-0.08
66	TC	Di-n-octyl phthalate	1.818	1.915	-5.3	101	-0.08
67	T	Indeno[1,2,3-cd]pyrene	1.135	1.205	-6.2	101	-0.13
68	I	Perylene-d12	1.000	1.000	0.0	96	-0.12
69	T	Benzo[b]fluoranthene	1.087	1.098	-1.0	97	-0.10
70	T	Benzo[k]fluoranthene	1.032	1.021	1.1	95	-0.10
71	TC	Benzo[a]pyrene	0.988	0.970	1.8	93	-0.12
72	T	Dibenz[a,h]anthracene	0.929	1.008	-8.5	101	-0.14
73	T	Benzo[g,h,i]perylene	0.912	0.966	-5.9	100	-0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	95	-0.08
2	S	2-Fluorophenol	50.000	47.461	5.1	88	-0.06
3	S	Phenol-d5	50.000	45.029	9.9	85	-0.05
4	MC	Phenol	50.000	45.623	8.8	86	-0.05
5	T	bis(2-Chloroethyl)ether	50.000	44.007	12.0	83	-0.07
6	M	2-Chlorophenol	50.000	50.179	-0.4	94	-0.07
7	T	2-Methylphenol	50.000	45.153	9.7	85	-0.06
8	T	2,2'-oxybis(1-chloropropane	50.000	44.672	10.7	84	-0.08
9	T	bis(2-Chloroisopropyl)ether	50.000	44.672	10.7	84	-0.08
10	T	4-Methylphenol	50.000	46.314	7.4	87	-0.06
11	MP	N-Nitroso-di-n-propylamine	50.000	48.085	3.8	91	-0.07
12	T	Hexachloroethane	50.000	49.744	0.5	93	-0.08
13	I	Naphthalene-d8	40.000	40.000	0.0	95	-0.08
	S	Nitrobenzene-d5	50.000	49.166	1.7	92	-0.07
15	T	Nitrobenzene	50.000	49.506	1.0	92	-0.07
16	T	Isophorone	50.000	47.363	5.3	90	-0.07
17	TC	2-Nitrophenol	50.000	51.293	-2.6	93	-0.08
18	T	2,4-Dimethylphenol	50.000	41.455	17.1	78	-0.07
19	T	bis(2-Chloroethoxy)methane	50.000	44.496	11.0	86	-0.07
20	TC	2,4-Dichlorophenol	50.000	50.498	-1.0	94	-0.07
21	T	Naphthalene	50.000	49.680	0.6	95	-0.08
22	T	4-Chloroaniline	50.000	48.849	2.3	94	-0.07
23	TC	Hexachlorobutadiene	50.000	49.372	1.3	94	-0.08
24	MC	4-Chloro-3-methylphenol	50.000	49.131	1.7	92	-0.06
25	T	2-Methylnaphthalene	50.000	50.076	-0.2	94	-0.08
26	I	Acenaphthene-d10	40.000	40.000	0.0	94	-0.08
27	TP	Hexachlorocyclopentadiene	50.000	39.116	21.8	71	-0.08
28	TC	2,4,6-Trichlorophenol	50.000	51.488	-3.0	95	-0.07
29	T	2,4,5-Trichlorophenol	50.000	50.030	-0.1	90	-0.07
30	S	2-Fluorobiphenyl	50.000	48.885	2.2	91	-0.08
31	T	2-Chloronaphthalene	50.000	50.926	-1.9	96	-0.08
32	T	2-Nitroaniline	50.000	51.623	-3.2	96	-0.07
33	T	Dimethyl phthalate	50.000	51.092	-2.2	96	-0.08
34	T	2,6-Dinitrotoluene	50.000	51.588	-3.2	96	-0.07
35	T	Acenaphthylene	50.000	51.132	-2.3	96	-0.08
36	T	3-Nitroaniline	50.000	51.626	-3.3	95	-0.07
37	TCM	Acenaphthene	50.000	51.048	-2.1	97	-0.08
	TP	2,4-Dinitrophenol	50.000	35.459	29.1#	61	-0.07
	MP	4-Nitrophenol	50.000	56.038	-12.1	108	-0.05

(#) = Out of Range
N0038.D NO14OL42.M Tue Oct 21 09:45:40 2008

10/21/08

Pa

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40	M	2,4-Dinitrotoluene	50.000	51.345	-2.7	93	-0.07
41	T	Dibenzofuran	50.000	50.162	-0.3	95	-0.08
42	T	Diethyl phthalate	50.000	52.676	-5.4	99	-0.08
43	T	4-Chlorophenyl phenyl ether	50.000	48.011	4.0	89	-0.08
44	T	Fluorene	50.000	50.803	-1.6	95	-0.08
45	T	4-Nitroaniline	50.000	53.427	-6.9	95	-0.07
46	S	2,4,6-Tribromophenol	50.000	57.461	-14.9	104	-0.08
47	I	Phenanthrene-d10	40.000	40.000	0.0	91	-0.08
48	T	4,6-Dinitro-2-methylphenol	50.000	39.609	20.8	70	-0.07
49	TC	n-Nitrosodiphenylamine	50.000	51.083	-2.2	92	-0.08
50	T	4-Bromophenyl phenyl ether	50.000	52.852	-5.7	95	-0.08
51	T	Hexachlorobenzene	50.000	53.083	-6.2	96	-0.08
52	MC	Pentachlorophenol	50.000	43.588	12.8	78	-0.08
	T	Phenanthrene	50.000	51.948	-3.9	94	-0.08
54	T	Anthracene	50.000	51.092	-2.2	91	-0.08
55	T	Carbazole	50.000	51.673	-3.3	93	-0.08
56	T	Di-n-butyl phthalate	50.000	57.732	-15.5	102	-0.08
57	TC	Fluoranthene	50.000	53.342	-6.7	95	-0.08
58	I	Chrysene-d12	40.000	40.000	0.0	98	-0.08
59	M	Pyrene	50.000	48.002	4.0	93	-0.09
60	S	Terphenyl-d14	50.000	51.458	-2.9	100	-0.08
61	T	Butyl benzyl phthalate	50.000	53.260	-6.5	102	-0.08
62	T	3,3'-Dichlorobenzidine	50.000	46.606	6.8	92	-0.08
63	T	Benzo[a]anthracene	50.000	49.837	0.3	99	-0.08
64	T	bis(2-Ethylhexyl)phthalate	50.000	52.891	-5.8	104	-0.08
65	T	Chrysene	50.000	49.105	1.8	95	-0.08
66	TC	Di-n-octyl phthalate	50.000	52.653	-5.3	101	-0.08
67	T	Indeno[1,2,3-cd]pyrene	50.000	53.063	-6.1	101	-0.13
68	I	Perylene-d12	40.000	40.000	0.0	96	-0.12
69	T	Benzo[b]fluoranthene	50.000	50.508	-1.0	97	-0.10
70	T	Benzo[k]fluoranthene	50.000	49.473	1.1	95	-0.10
71	TC	Benzo[a]pyrene	50.000	49.123	1.8	93	-0.12
72	T	Dibenz[a,h]anthracene	50.000	54.251	-8.5	101	-0.14
73	T	Benzo[g,h,i]perylene	50.000	52.960	-5.9	100	-0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0038.D NO14OL42.M Tue Oct 21 09:45:41 2008 Pa

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:44 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.52	152	160273	40.00	ug/mL	-0.08
13) Naphthalene-d8	11.87	136	541103	40.00	ug/mL	-0.08
26) Acenaphthene-d10	15.19	164	321129	40.00	ug/mL	-0.08
47) Phenanthrene-d10	18.02	188	560608	40.00	ug/mL	-0.08
58) Chrysene-d12	23.06	240	526781	40.00	ug/mL	-0.08
68) Perylene-d12	25.83	264	537878	40.00	ug/mL	-0.12
System Monitoring Compounds						
2) 2-Fluorophenol	7.20	112	209817	47.46	ug/mL	-0.06
Spiked Amount 150.000			Recovery = 31.64%			
3) Phenol-d5	8.82	99	272403	45.03	ug/mL	-0.05
Spiked Amount 150.000			Recovery = 30.02%			
14) Nitrobenzene-d5	10.53	82	306297	49.17	ug/mL	-0.07
Spiked Amount 100.000			Recovery = 49.17%			
30) 2-Fluorobiphenyl	13.89	172	487422	48.89	ug/mL	-0.08
Spiked Amount 100.000			Recovery = 48.89%			
46) 2,4,6-Tribromophenol	16.69	330	128121	57.46	ug/mL	-0.08
Spiked Amount 150.000			Recovery = 38.31%			
60) Terphenyl-d14	21.03	244	486499	51.46	ug/mL	-0.08
Spiked Amount 100.000			Recovery = 51.46%			
Target Compounds						Qvalue
4) Phenol	8.85	94	326773	45.62	ug/mL	90
5) bis(2-Chloroethyl)ether	9.02	93	249109	44.01	ug/mL	95
6) 2-Chlorophenol	9.15	128	248628	50.18	ug/mL	98
7) 2-Methylphenol	9.93	108	236664	45.15	ug/mL	99
8) 2,2'-oxybis(1-chloropropan	9.99	45	280151	44.67	ug/mL	98
9) bis(2-Chloroisopropyl)ethe	9.99	45	280151	44.67	ug/mL	98
10) 4-Methylphenol	10.21	108	258046	46.31	ug/mL	99
11) N-Nitroso-di-n-propylamine	10.24	70	193648	48.08	ug/mL	99
12) Hexachloroethane	10.45	117	123834	49.74	ug/mL	94
15) Nitrobenzene	10.57	77	323004	49.51	ug/mL	99
16) Isophorone	11.00	82	557948	47.36	ug/mL	98
17) 2-Nitrophenol	11.15	139	161309	51.29	ug/mL	98
18) 2,4-Dimethylphenol	11.19	107	215364	41.46	ug/mL	95
19) bis(2-Chloroethoxy)methane	11.38	93	299834	44.50	ug/mL	100
20) 2,4-Dichlorophenol	11.59	162	234851	50.50	ug/mL	99
21) Naphthalene	11.91	128	650996	49.68	ug/mL#	100
22) 4-Chloroaniline	11.99	127	340470	48.85	ug/mL	99
23) Hexachlorobutadiene	12.12	225	141341	49.37	ug/mL	98
24) 4-Chloro-3-methylphenol	12.88	107	230350	49.13	ug/mL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0038.D
Acq On : 20 Oct 2008 8:27
Sample : CC102008A5
Misc : CCV ,8270S,
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:44 2008

Vial: 2
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Methylnaphthalene	13.21	142	525283	50.08 ug/mL	100
27) Hexachlorocyclopentadiene	13.49	237	110650	39.12 ug/mL	100
28) 2,4,6-Trichlorophenol	13.73	196	157130	51.49 ug/mL	97
29) 2,4,5-Trichlorophenol	13.80	196	186469	50.03 ug/mL	99
31) 2-Chloronaphthalene	14.13	162	467278	50.93 ug/mL	99
32) 2-Nitroaniline	14.32	65	194625	51.62 ug/mL	98
33) Dimethyl phthalate	14.65	163	594002	51.09 ug/mL	99
34) 2,6-Dinitrotoluene	14.78	165	151458	51.59 ug/mL	94
35) Acenaphthylene	14.92	152	743945	51.13 ug/mL	99
36) 3-Nitroaniline	15.10	138	171465	51.63 ug/mL	96
37) Acenaphthene	15.25	153	442655	51.05 ug/mL	99
38) 2,4-Dinitrophenol	15.29	184	58616	35.46 ug/mL#	1
39) 4-Nitrophenol	15.39	109	86331	56.04 ug/mL	90
40) 2,4-Dinitrotoluene	15.54	165	190442	51.35 ug/mL	92
41) Dibenzofuran	15.58	168	783618	50.16 ug/mL	96
42) Diethyl phthalate	15.98	149	600815	52.68 ug/mL	98
43) 4-Chlorophenyl phenyl ethe	16.22	204	234239	48.01 ug/mL	93
44) Fluorene	16.23	166	540158	50.80 ug/mL	100
45) 4-Nitroaniline	16.27	138	177541	53.43 ug/mL	91
48) 4,6-Dinitro-2-methylphenol	16.32	198	88906	39.61 ug/mL	93
49) n-Nitrosodiphenylamine	16.44	169	368424	51.08 ug/mL	99
50) 4-Bromophenyl phenyl ether	17.15	248	157818	52.85 ug/mL	95
51) Hexachlorobenzene	17.28	284	211239	53.08 ug/mL	95
52) Pentachlorophenol	17.64	266	87604	43.59 ug/mL	99
53) Phenanthrene	18.07	178	728703	51.95 ug/mL	99
54) Anthracene	18.17	178	731416	51.09 ug/mL	100
55) Carbazole	18.46	167	675507	51.67 ug/mL	99
56) Di-n-butyl phthalate	19.09	149	1071771	57.73 ug/mL	100
57) Fluoranthene	20.33	202	749450	53.34 ug/mL	97
59) Pyrene	20.77	202	772202	48.00 ug/mL	96
61) Butyl benzyl phthalate	21.94	149	513397	53.26 ug/mL	98
62) 3,3'-Dichlorobenzidine	22.96	252	258343	46.61 ug/mL	99
63) Benzo[a]anthracene	23.04	228	707368	49.84 ug/mL	99
64) bis(2-Ethylhexyl)phthalate	23.00	149	718972	52.89 ug/mL	99
65) Chrysene	23.11	228	647903	49.11 ug/mL	100
66) Di-n-octyl phthalate	24.18	149	1260719	52.65 ug/mL	100
67) Indeno[1,2,3-cd]pyrene	28.56	276	793148	53.06 ug/mL	98
69) Benzo[b]fluoranthene	25.02	252	738104	50.51 ug/mL	98
70) Benzo[k]fluoranthene	25.08	252	686721	49.47 ug/mL	99
71) Benzo[a]pyrene	25.71	252	652317	49.12 ug/mL	100
72) Dibenz[a,h]anthracene	28.58	278	678061	54.25 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0038.D Vial: 2
Acq On : 20 Oct 2008 8:27 Operator: MEG
Sample : CC102008A5 Inst : #5MS26
Misc : CCV ,8270S, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:44 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

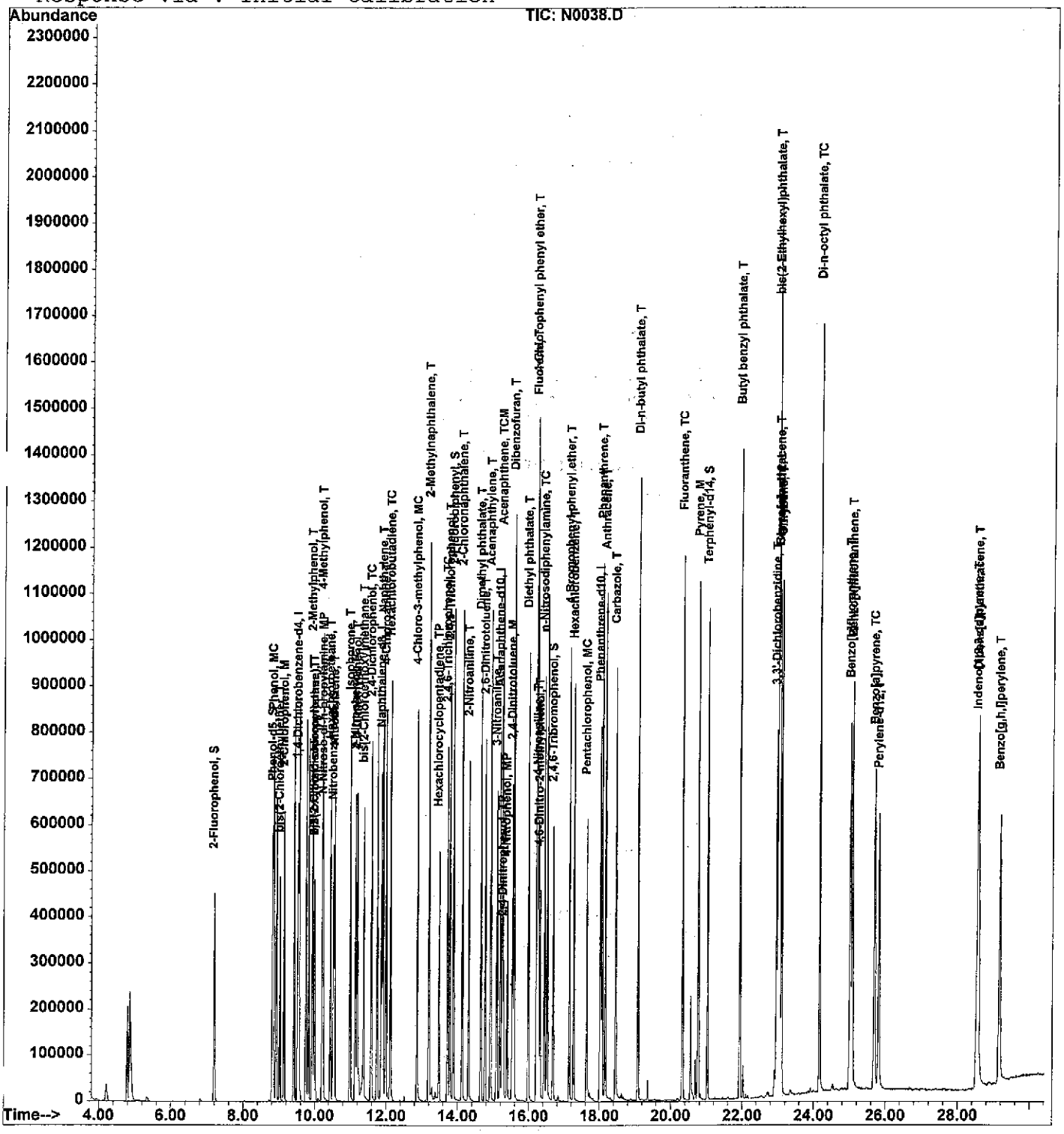
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) Benzo[g,h,i]perylene	29.18	276	649411	52.96	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0038.D NO14OL42.M Tue Oct 21 09:45:48 2008 Pag

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0038.D Vial: 2
Acq On : 20 Oct 2008 8:27 Operator: MEG
Sample : CC102008A5 Inst : #5MS26
Misc : CCV ,8270S, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 9:44 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:40 2008
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N0039.D
Acq On : 20 Oct 2008 9:05
Sample : CC102008B5 OLM
Misc : CCV ,8270S_OLM42,
MS Integration Params: RTEINT.P

Vial: 3
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	-0.08
2	T	Benzaldehyde	1.136	1.125	1.0	88	-0.07
3	T	2-Octanol	0.000	0.001#	0.0	0#	-0.08
4	T	Acetophenone	1.685	1.655	1.8	87	-0.07
5	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.08
6	T	Caprolactam	0.120	0.120	0.0	88	-0.06
7	I	Acenaphthene-d10	1.000	1.000	0.0	94	-0.08
8	T	1,1'-Biphenyl	1.247	1.306	-4.7	97	-0.08
9	T	1-Phenyl-1-[4-methylphenyl]	0.726	0.753	-3.7	95	-0.08
10	T	1-Phenyl-1-[2,4-dimethylphe	0.864	0.896	-3.7	95	-0.08
11	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.08
	T	Atrazine	0.183	0.187	-2.2	95	-0.07
13	T	2-Ethylanthraquinone	0.000	0.000#	0.0	0#	-22.67#
14	I	Chrysene-d12	1.000	1.000	0.0	95	-0.08
15	I	Perylene-d12	1.000	1.000	0.0	99	-0.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0039.D
Acq On : 20 Oct 2008 9:05
Sample : CC102008B5 OLM
Misc : CCV ,8270S_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:25 2008

Vial: 3
Operator: MEG
Inst : #5MS26
Multiplr: 1.00
Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.52	152	159837	40.00	ug/mL	-0.08
5) Naphthalene-d8	11.86	136	559895	40.00	ug/mL	-0.08
7) Acenaphthene-d10	15.18	164	319329	40.00	ug/mL	-0.08
11) Phenanthrene-d10	18.01	188	559979	40.00	ug/mL	-0.08
14) Chrysene-d12	23.04	240	497777	40.00	ug/mL	-0.08
15) Perylene-d12	25.82	264	505323	40.00	ug/mL	-0.12

System Monitoring Compounds

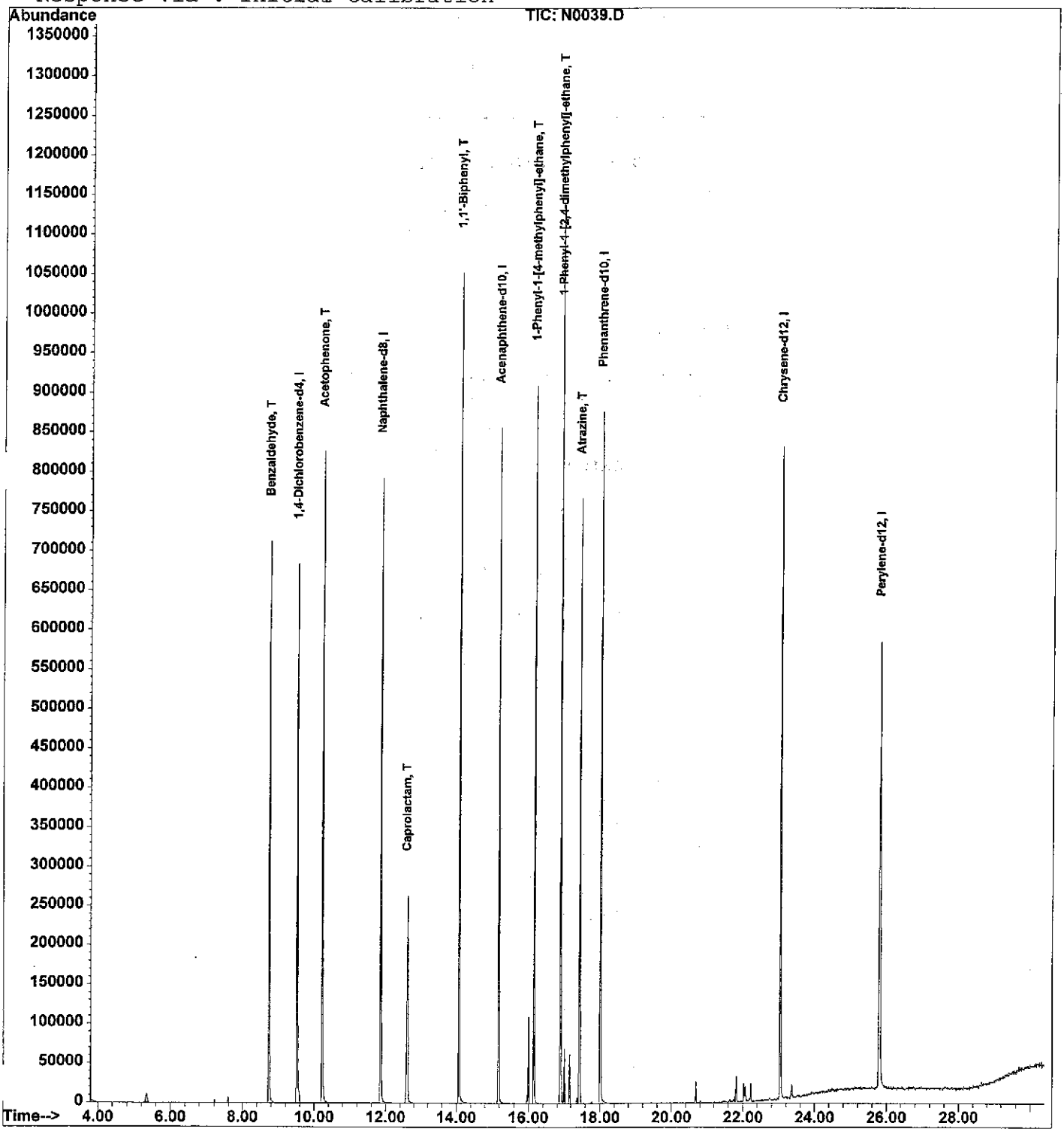
Target Compounds						Qvalue
2) Benzaldehyde	8.75	77	224831	49.54	ug/mL	97
4) Acetophenone	10.24	105	330730	49.12	ug/mL	97
6) Caprolactam	12.62	55	84045	49.95	ug/mL	95
8) 1,1'-Biphenyl	14.08	154	521149	52.35	ug/mL	99
9) 1-Phenyl-1-[4-methylphenyl	16.15	181	300590	51.87	ug/mL	97
10) 1-Phenyl-1-[2,4-dimethylph	16.90	195	357781	51.86	ug/mL	97
12) Atrazine	17.44	200	131082	51.27	ug/mL	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0039.D Vial: 3
Acq On : 20 Oct 2008 9:05 Operator: MEG
Sample : CC102008B5 OLM Inst : #5MS26
Misc : CCV ,8270S_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 21 12:25 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Internal Standards

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	179993	9.60	620338	11.94	362404	15.27	626535	18.10
UPPER LIMIT	359986	10.10	1240676	12.44	724808	15.77	1253070	18.60
LOWER LIMIT	89997	9.10	310169	11.44	181202	14.77	313268	17.60
SAMPLE NO.								
01 CC101708B5 OLM (CC101708B5 OLM)	179036	9.60	610309	11.94	350795	15.26	609660	18.10
02 MB-8267 (MB-8267)	156428	9.59	550756	11.94	308088	15.26	538926	18.09
03 LCS-8267 (LCS-8267)	171450	9.59	607592	11.94	350121	15.27	615388	18.10
04 MSB-8267 (MSB-8267)	169532	9.60	590763	11.94	333962	15.27	586691	18.10
05 MW-1 (0810110-001B)	166966	9.60	601241	11.94	350070	15.27	599082	18.11
06 MW-2 (0810110-002B)	150365	9.60	519247	11.94	309836	15.27	541571	18.11
07 MW-2MS (0810110-002BMS)	147628	9.60	511288	11.95	305194	15.27	546567	18.11
08 MW-2MSD (0810110-002BMSD)	133898	9.60	452299	11.95	275630	15.27	491076	18.11
09 MW-3 (0810110-003B)	144560	9.60	506978	11.94	298808	15.27	485311	18.11
10 MW-4 (0810110-004B)	144321	9.60	490413	11.94	295728	15.27	479718	18.11
11 MW-4FD (0810110-005B)	124348	9.60	432694	11.94	256572	15.27	424311	18.11

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0020.D Date Analyzed: 10/17/2008

Instrument ID: MS05_26 Time Analyzed: 10:43

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #				
12 HOUR STD	588434	23.14	607833	25.95				
UPPER LIMIT	1176868	23.64	1215666	26.45				
LOWER LIMIT	294217	22.64	303917	25.45				
SAMPLE NO.								
01 CC101708B5 OLM (CC101708B5 OLM)	554661	23.12	566452	25.94				
02 MB-8267 (MB-8267)	474602	23.13	473408	25.93				
03 LCS-8267 (LCS-8267)	562625	23.13	585232	25.95				
04 MSB-8267 (MSB-8267)	542641	23.13	555732	25.94				
05 MW-1 (0810110-001B)	426575	23.14	330217	25.94				
06 MW-2 (0810110-002B)	430973	23.14	351610	25.95				
07 MW-2MS (0810110-002BMS)	442945	23.15	369111	25.95				
08 MW-2MSD (0810110-002BMSD)	442031	23.14	360550	25.94				
09 MW-3 (0810110-003B)	293759*	23.15	131870*	25.95				
10 MW-4 (0810110-004B)	293485*	23.15	132963*	25.95				
11 MW-4FD (0810110-005B)	286904*	23.15	131774*	25.95				

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #	IS4 (PHN) AREA #	RT #
12 HOUR STD	160273	9.52	541103	11.87	321129	15.19	560608	18.02
UPPER LIMIT	320546	10.02	1082206	12.37	642258	15.69	1121216	18.52
LOWER LIMIT	80137	9.02	270552	11.37	160565	14.69	280304	17.52
SAMPLE NO.								
01 CC102008B5 OLM (CC102008B5 OLM)	159837	9.52	559895	11.86	319329	15.18	559979	18.01
02 MW-3DL (0810110-003BDL)	182322	9.53	648314	11.87	381593	15.19	668426	18.02
03 MW-4DL (0810110-004BDL)	174405	9.53	593948	11.87	347912	15.19	605646	18.03
04 MW-4FDDL (0810110-005BDL)	168943	9.53	602909	11.87	357430	15.19	610410	18.02

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Life Science Laboratories, Inc. SDG No.: 0810110

Lab Code: LSLB

Lab File ID (Standard): N0038.D Date Analyzed: 10/20/2008

Instrument ID: MS05_26 Time Analyzed: 8:27

GC Column: DB-5MS ID: 0.25 (mm)

	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #				
12 HOUR STD	526781	23.06	537878	25.83				
UPPER LIMIT	1053562	23.56	1075756	26.33				
LOWER LIMIT	263391	22.56	268939	25.33				
SAMPLE NO.								
01 CC102008B5 OLM (CC102008B5 OLM)	497777	23.04	505323	25.82				
02 MW-3DL (0810110-003BDL)	493821	23.06	315785	25.83				
03 MW-4DL (0810110-004BDL)	476651	23.06	331081	25.83				
04 MW-4FDDL (0810110-005BDL)	489812	23.06	345256	25.83				

IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

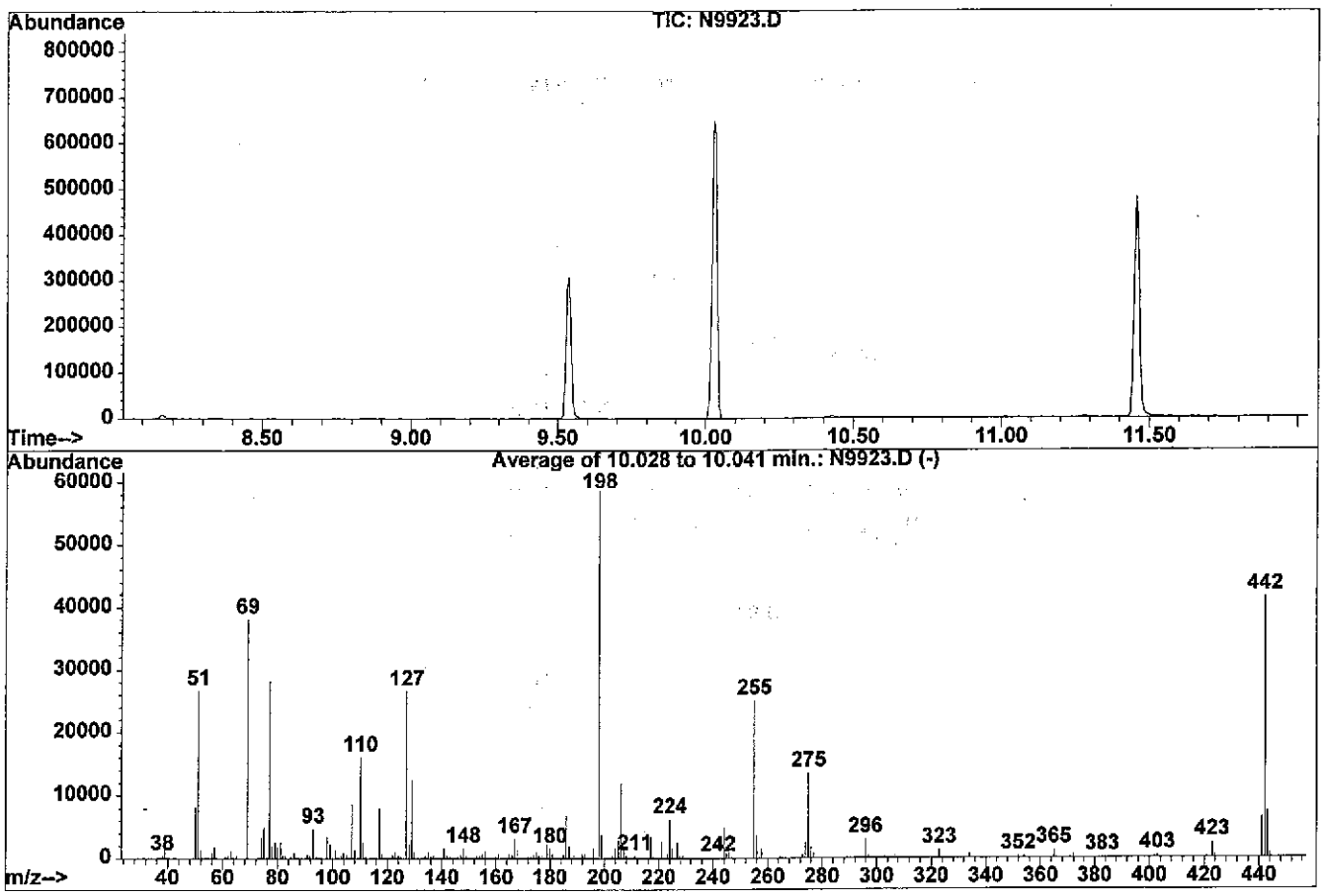
Raw QC Data

Tune Raw Data

DFTPP

Data File : C:\HPCHEM\1\DATA\N9923.D
Acq On : 14 Oct 2008 8:26
Sample : TD101408A5
Misc : TUNE,DFTPP,
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\NO10SIM.M (RTE Integrator)
Title : BNA's (SIM's) w/J & W DB-5MS .25mm x 30m 0.5df

Vial: 1
Operator: MEG
Inst : #5MS26
Multiplr: 1.00



AutoFind: Scans 924, 925, 926; Background Corrected with Scan 918

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.6	26708	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	65.1	38132	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.4	26615	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	58605	PASS
199	198	5	9	6.3	3716	PASS
275	198	10	30	23.0	13488	PASS
365	198	1	100	2.1	1252	PASS
441	443	0.01	100	86.9	6493	PASS
442	198	40	100	70.9	41523	PASS
443	442	17	23	18.0	7470	PASS

N9923.D NO10SIM.M Tue Oct 14 09:18:51 2008

Mark Gordon 10/15

Average of 10.028 to 10.041 min.: N9923.D
TD101408A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.85	165	56.95	1823	77.05	28279	90.85	620
38.05	449	60.95	320	78.00	2013	91.90	360
38.95	2600	61.95	390	78.95	2512	92.90	4750
39.95	88	62.95	1192	79.95	1751	93.95	363
42.85	247	64.00	137	80.95	2524	95.90	162
43.95	67	64.95	411	81.90	503	98.00	3492
50.00	8203	68.95	38132	82.85	461	99.00	2288
50.95	26708	72.85	155	84.95	395	99.80	76
51.95	1341	74.05	3358	85.95	920	100.90	1252
55.05	228	74.95	4933	86.95	315	103.05	458
56.00	878	76.05	224	87.80	83	103.90	890

Average of 10.028 to 10.041 min.: N9923.D
TD101408A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
104.95	666	124.00	391	137.85	69	152.95	472
106.95	8661	124.95	282	139.90	183	153.90	351
108.00	1314	127.00	26615	140.85	1553	154.90	686
110.00	16046	128.05	2364	141.95	521	156.00	1212
110.95	2500	129.00	12499	142.90	259	156.95	74
111.95	274	129.90	1095	146.00	282	157.85	247
115.90	109	130.85	204	146.95	533	158.95	120
116.95	7910	133.90	345	147.15	285	159.95	361
117.90	709	134.95	1010	147.95	1667	160.95	678
121.90	604	135.95	314	149.00	335	162.05	105
122.95	935	136.90	455	151.05	108	163.95	81

Average of 10.028 to 10.041 min.: N9923.D
TD101408A5
M .fied:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
164.90	635	177.00	473	188.00	94	202.85	413
166.00	580	177.85	109	188.90	516	203.95	1734
166.95	3141	178.95	2230	190.90	181	205.00	2887
167.90	1364	179.95	1539	191.90	680	206.00	11983
168.95	154	180.90	663	192.90	665	207.00	1677
171.00	159	183.85	68	193.80	76	207.90	467
171.90	283	184.05	99	195.95	1610	208.90	70
173.00	249	185.00	599	197.90	58605	210.10	89
174.00	591	185.95	6870	198.90	3716	210.50	173
174.95	1124	186.95	1907	200.00	184	211.00	440
175.95	340	187.80	68	201.60	167	216.90	3480

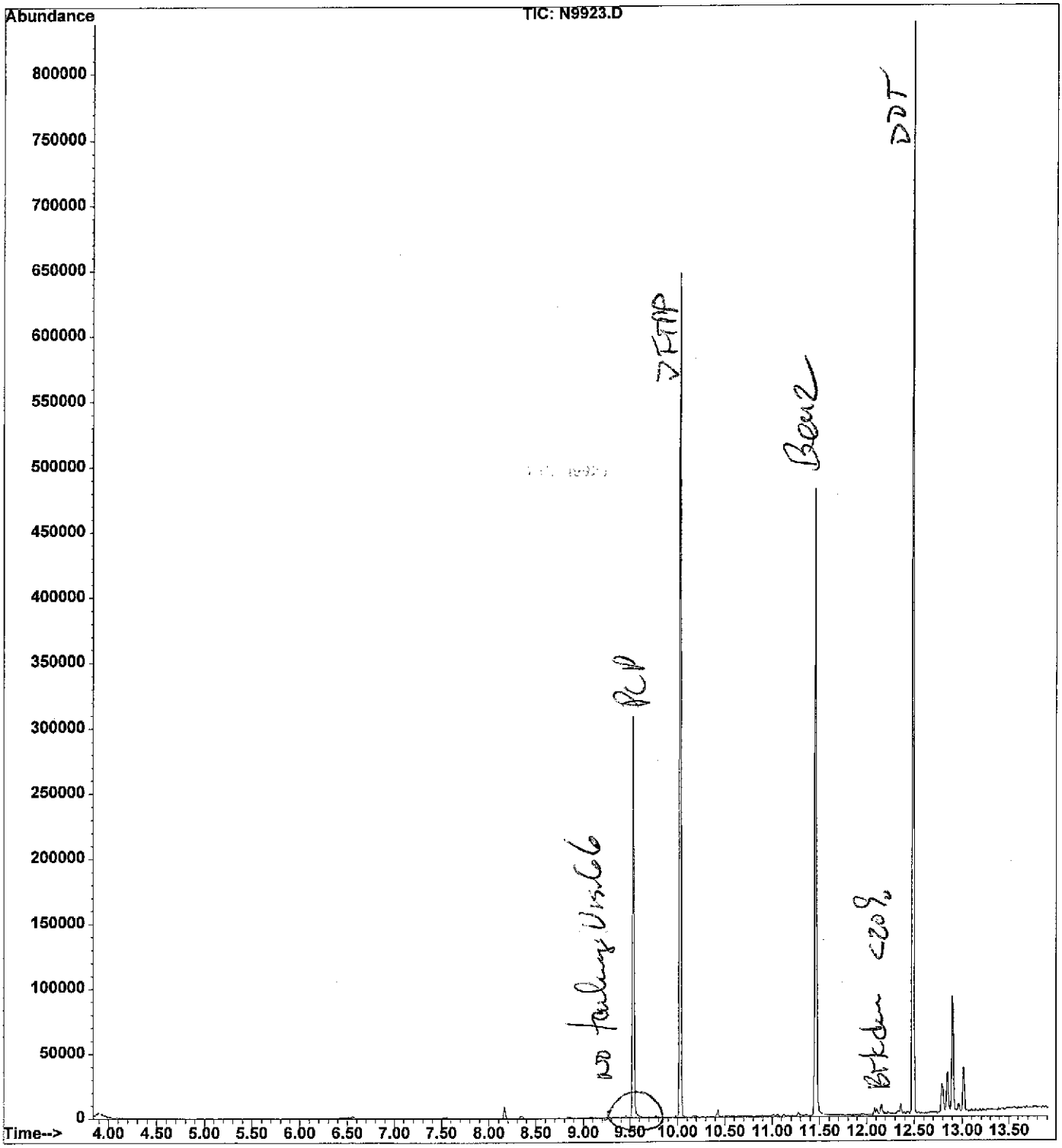
Average of 10.028 to 10.041 min.: N9923.D
TD101408A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.85	306	236.00	85	254.95	25064	276.90	895
221.00	2779	236.85	164	255.90	3520	277.95	81
223.00	693	240.85	84	257.05	158	284.95	84
224.00	6249	241.90	198	257.85	1453	292.80	201
224.95	1522	242.85	79	258.75	105	295.90	2979
226.90	2524	243.95	4865	264.85	523	296.80	509
227.85	367	244.95	793	272.85	426	302.90	352
228.90	496	245.90	882	273.05	374	314.80	134
230.95	195	246.90	177	273.95	2503	315.00	119
233.90	105	248.85	157	274.95	13488	315.90	102
234.90	107	253.35	70	275.95	1695	320.90	67

Average of 10.028 to 10.041 min.: N9923.D
TD101408A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.90	1216	365.85	86	442.00	41523		
323.90	94	370.85	78	442.95	7470		
326.80	78	371.90	660	443.90	748		
333.95	584	372.95	68				
334.90	90	382.75	67				
340.80	90	401.85	252				
345.85	75	402.90	330				
351.85	225	420.85	207				
352.85	110	422.90	2389				
353.95	337	423.90	451				
364.85	1252	441.05	6493				

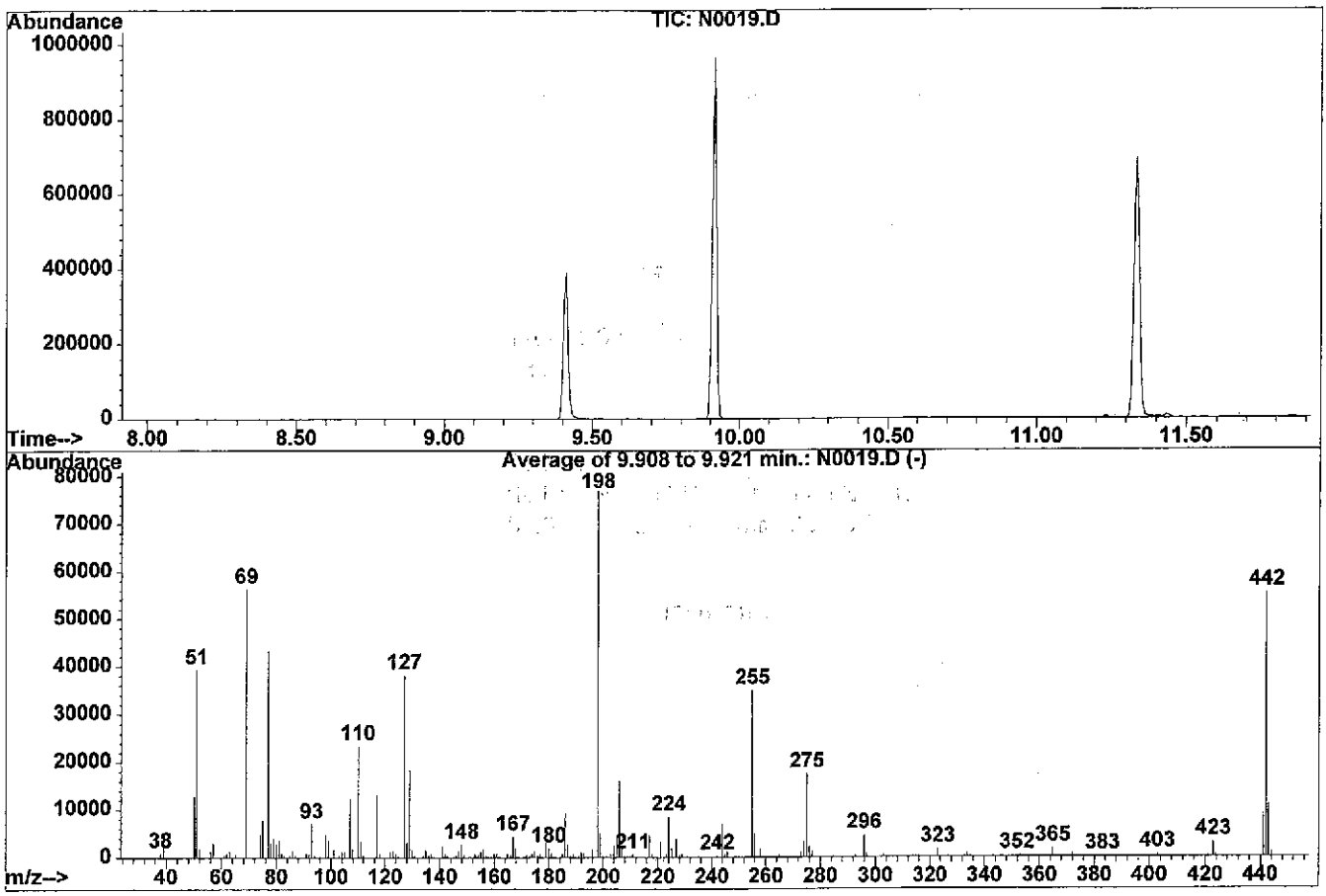
File : C:\HPCHEM\1\DATA\N9923.D
Operator : MEG
Acquired : 14 Oct 2008 8:26 using AcqMethod DFTPP1UL
Instrument : #5MS26
Sample Name: TD101408A5
Misc Info : TUNE,DFTPP,
Vial Number: 1



DFTPP

Data File : C:\HPCHEM\1\DATA\N0019.D
Acq On : 17 Oct 2008 10:23
Sample : TD101708A5
Misc : TUNE,DFTPP,
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\NO14FULL.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df

Vial: 1
Operator: MEG
Inst : #5MS26
Multiplr: 1.00



Spectrum Information: Average of 9.908 to 9.921 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.2	39384	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	73.3	56381	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	49.7	38240	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	76957	PASS
199	198	5	9	6.5	4968	PASS
275	198	10	30	22.7	17464	PASS
365	198	1	100	2.3	1795	PASS
441	443	0.01	100	83.0	9015	PASS
442	198	40	100	72.1	55456	PASS
443	442	17	23	19.6	10861	PASS

N0019.D NO14FULL.M Mon Oct 20 07:49:36 2008

Mark Sheridan 10/20/08

Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.05	105	55.95	1419	73.15	149	84.80	232
37.90	915	56.95	3003	74.05	4804	85.00	397
38.95	3897	57.90	143	74.95	7784	85.95	1347
39.85	116	60.95	549	77.05	43299	86.95	547
40.90	170	61.95	728	78.05	3001	90.90	957
42.85	81	62.95	1382	79.00	3994	91.95	691
44.95	71	64.00	191	80.00	2860	92.90	7015
50.05	12859	65.00	631	80.95	3662	94.00	416
50.95	39384	66.95	68	81.85	850	96.05	194
51.95	1857	68.95	56381	82.90	565	98.00	4868
54.90	255	72.95	220	83.10	163	98.95	3523

Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.90	95	116.95	13017	129.95	1484	141.95	751
100.90	1655	117.95	877	130.90	326	142.80	450
103.00	573	119.00	74	132.90	71	144.95	110
103.95	1230	121.95	1105	133.95	431	146.00	487
105.00	1071	122.95	1411	134.90	1458	147.00	1365
107.00	12175	123.95	670	135.95	560	147.90	2692
107.95	1902	124.85	282	136.90	716	148.90	538
109.95	23401	125.10	207	137.90	148	150.85	103
110.95	3374	127.00	38240	139.05	72	151.35	119
111.90	450	128.05	3291	139.75	83	151.75	121
112.90	161	129.00	18505	140.90	2374	152.90	703

Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
M[illegible]fied:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.00	525	166.00	644	176.05	424	187.90	328
154.95	1143	166.95	4409	176.95	789	188.90	686
155.95	1848	167.95	1854	178.95	3079	190.95	326
156.90	276	168.90	181	179.95	1956	191.95	1053
157.75	138	169.15	82	180.95	967	192.95	931
157.95	212	170.05	71	181.65	71	193.85	183
158.90	224	171.05	102	183.85	69	196.00	1849
159.90	665	171.90	494	184.15	138	197.90	76957
160.95	958	172.95	461	184.95	739	198.90	4968
161.90	186	174.00	798	186.00	9259	199.95	276
164.90	841	174.95	1428	186.90	2751	201.40	422

Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
202.90	669	217.95	604	235.80	82	248.85	249
204.00	2463	221.00	3258	236.00	86	252.90	187
205.00	4324	223.05	843	236.95	240	254.95	34997
206.00	16052	224.00	8553	240.95	139	255.95	5040
206.95	2175	225.00	1935	241.95	389	256.80	219
207.90	398	226.90	3936	242.85	129	257.05	249
208.90	264	227.95	608	243.95	6930	257.90	1761
210.00	398	228.90	842	244.75	203	258.85	275
210.90	597	230.95	291	244.95	671	265.00	683
214.80	145	233.90	106	245.80	1194	265.85	70
216.90	4611	234.95	222	246.95	73	272.90	1122

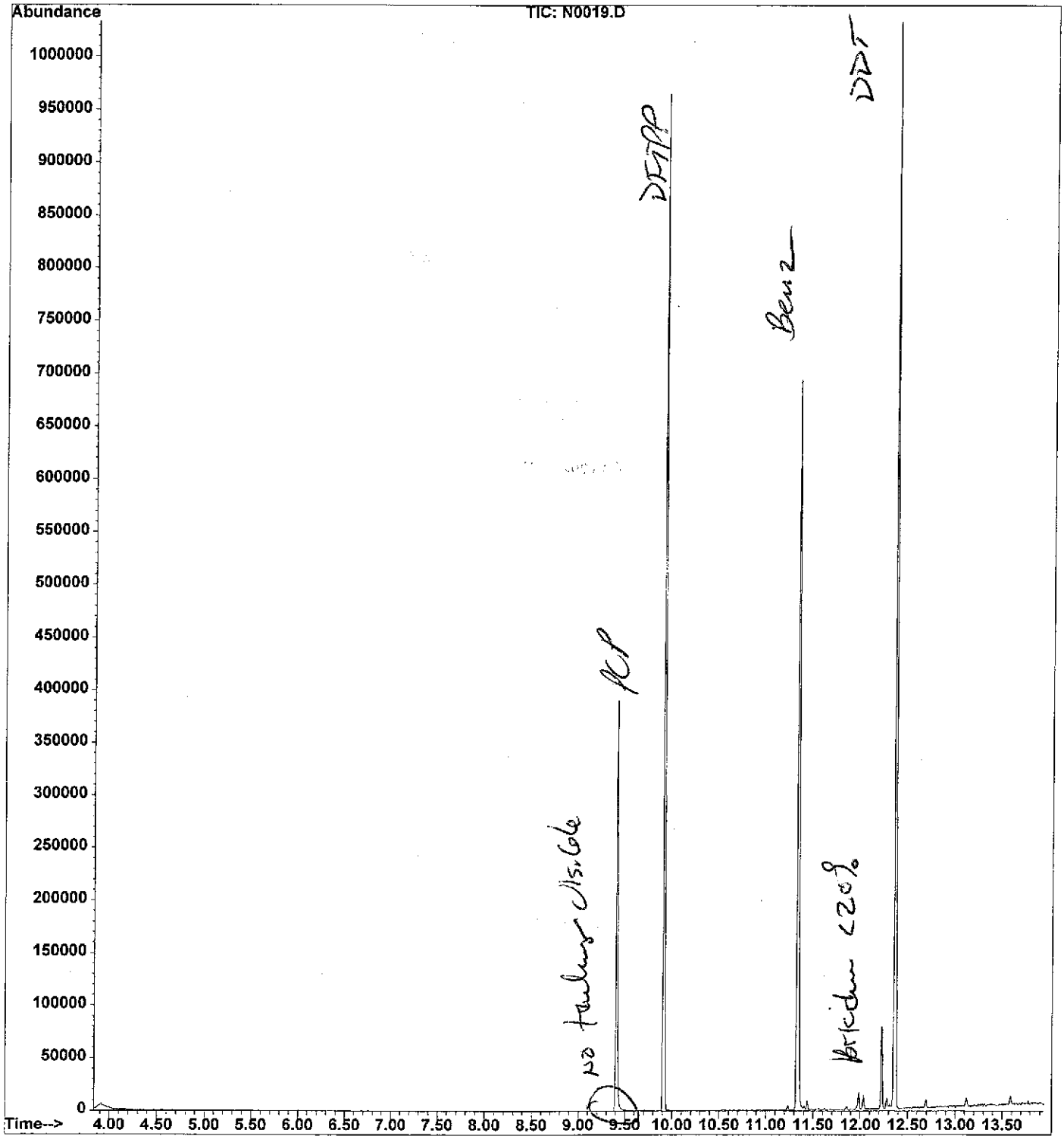
Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.95	3346	304.00	80	334.95	311	371.90	789
274.95	17464	313.85	208	340.80	87	373.05	129
275.90	2288	314.10	69	345.85	225	382.75	68
276.95	1191	314.80	453	351.85	321	382.95	72
277.75	84	315.90	306	352.90	336	401.90	232
282.95	88	320.90	87	353.75	125	402.90	468
284.95	255	322.95	1596	353.95	371	403.90	83
292.85	442	323.90	106	364.85	1795	420.95	313
295.90	4520	326.75	235	365.80	241	422.00	147
296.85	677	332.85	201	369.85	83	422.95	2997
302.90	472	333.95	835	370.95	79	423.85	569

Average of 9.908 to 9.921 min.: N0019.D
TD101708A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.05	9015						
442.00	55456						
443.00	10861						
443.95	1011						

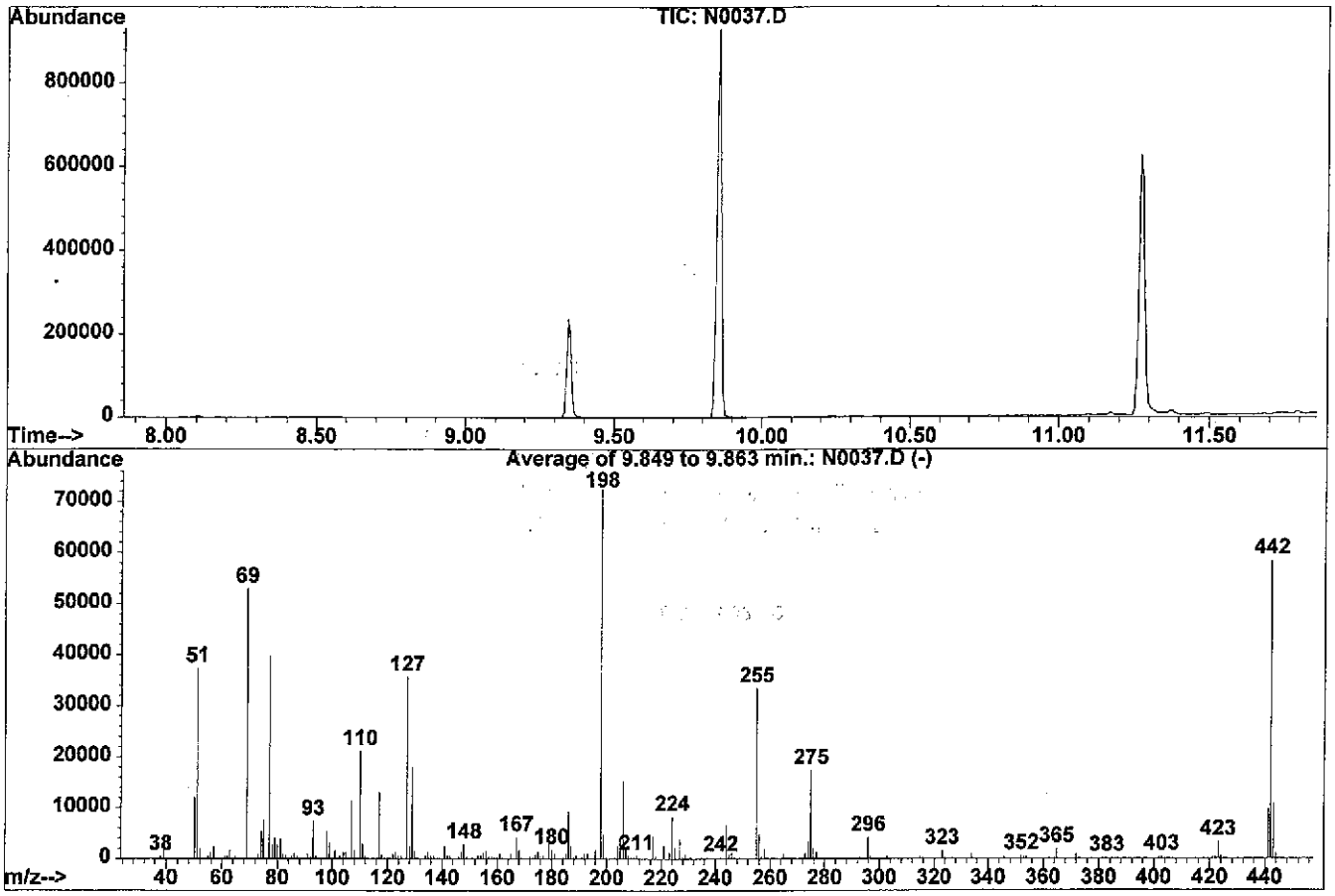
File : C:\HPCHEM\1\DATA\N0019.D
Operator : MEG
Acquired : 17 Oct 2008 10:23 using AcqMethod DFTPP1UL
Instrument : #5MS26
Sample Name: TD101708A5
Misc Info : TUNE,DFTPP,
Vial Number: 1



DFTPP

Data File : C:\HPCHEM\1\DATA\N0037.D
Acq On : 20 Oct 2008 8:08
Sample : TD102008A5
Misc : TUNE,DFTPP,
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\NO10SIM.M (RTE Integrator)
Title : BNA's (SIM's) w/J & W DB-5MS .25mm x 30m 0.5df

Vial: 1
Operator: MEG
Inst : #5MS26
Multiplr: 1.00



Spectrum Information: Average of 9.849 to 9.863 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.6	37375	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	73.2	53011	PASS
70	69	0.00	2	0.2	88	PASS
127	198	40	60	49.3	35699	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	72405	PASS
199	198	5	9	6.7	4887	PASS
275	198	10	30	24.0	17391	PASS
365	198	1	100	2.7	1933	PASS
441	443	0.01	100	89.3	9723	PASS
442	198	40	100	80.7	58459	PASS
443	442	17	23	18.6	10885	PASS

N0037.D NO10SIM.M Tue Oct 21 07:08:06 2008

10/21/08

Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	237	55.90	1262	69.95	88	84.95	648
38.00	482	56.95	2435	73.00	834	85.95	1167
38.95	3584	57.95	90	74.05	5393	86.95	458
40.95	76	60.95	585	74.95	7493	90.95	1026
42.95	169	61.95	656	77.05	39936	91.90	392
44.85	161	63.00	1825	78.00	2740	92.90	7380
48.75	77	64.00	237	79.00	4118	93.90	533
49.95	12006	65.00	607	79.95	2905	96.00	215
50.95	37375	65.95	68	80.95	3896	98.00	5385
51.95	1876	67.05	103	81.90	906	98.95	3317
54.95	431	68.95	53011	82.90	662	99.90	182

Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.10	198	117.00	13066	127.00	35699	137.00	702
100.95	1649	117.90	748	128.10	2510	138.95	77
102.85	560	118.90	70	129.00	18097	140.85	2412
103.95	1339	119.80	70	129.95	1545	142.00	679
104.95	1233	120.10	73	130.80	119	142.90	539
107.00	11503	120.80	70	131.05	201	146.00	369
108.00	1725	121.10	75	131.90	75	147.00	1474
110.00	21174	121.95	950	133.00	73	147.95	2846
111.00	2960	122.95	1242	134.00	588	148.95	532
111.90	437	123.95	686	134.95	1401	150.95	303
115.20	67	125.00	455	136.00	615	151.95	79

Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
M fied:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
152.95	789	164.95	897	176.05	459	186.90	2605
153.90	564	166.95	4257	176.90	741	187.95	291
154.95	1293	168.00	1749	178.95	3200	188.95	725
155.95	1665	169.00	329	179.95	1830	191.00	418
156.95	413	169.95	98	181.00	947	191.90	1079
157.90	440	170.95	104	181.95	70	192.95	1215
158.95	222	171.95	381	182.85	72	193.90	143
159.85	382	172.65	147	183.85	84	196.00	1841
160.05	355	173.00	271	184.15	259	197.90	72405
160.95	1038	174.00	903	185.05	1057	198.90	4887
161.90	255	175.00	1409	186.05	9413	199.95	425

Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
201.00	71	214.90	150	230.90	347	246.85	351
201.65	228	216.90	4474	233.80	105	249.00	226
202.95	426	217.90	503	234.95	244	253.05	81
203.95	2606	221.00	2722	235.80	89	254.95	33472
205.00	4250	223.00	1271	236.90	334	255.95	4830
206.00	15465	224.00	8321	239.00	77	256.85	451
206.95	2052	225.00	2179	239.95	69	257.90	1927
207.95	661	226.90	3917	241.90	398	258.90	196
208.85	278	227.85	281	243.95	6597	264.90	879
210.05	326	228.10	210	245.00	816	265.85	72
210.90	678	228.95	899	245.90	1337	272.95	1106

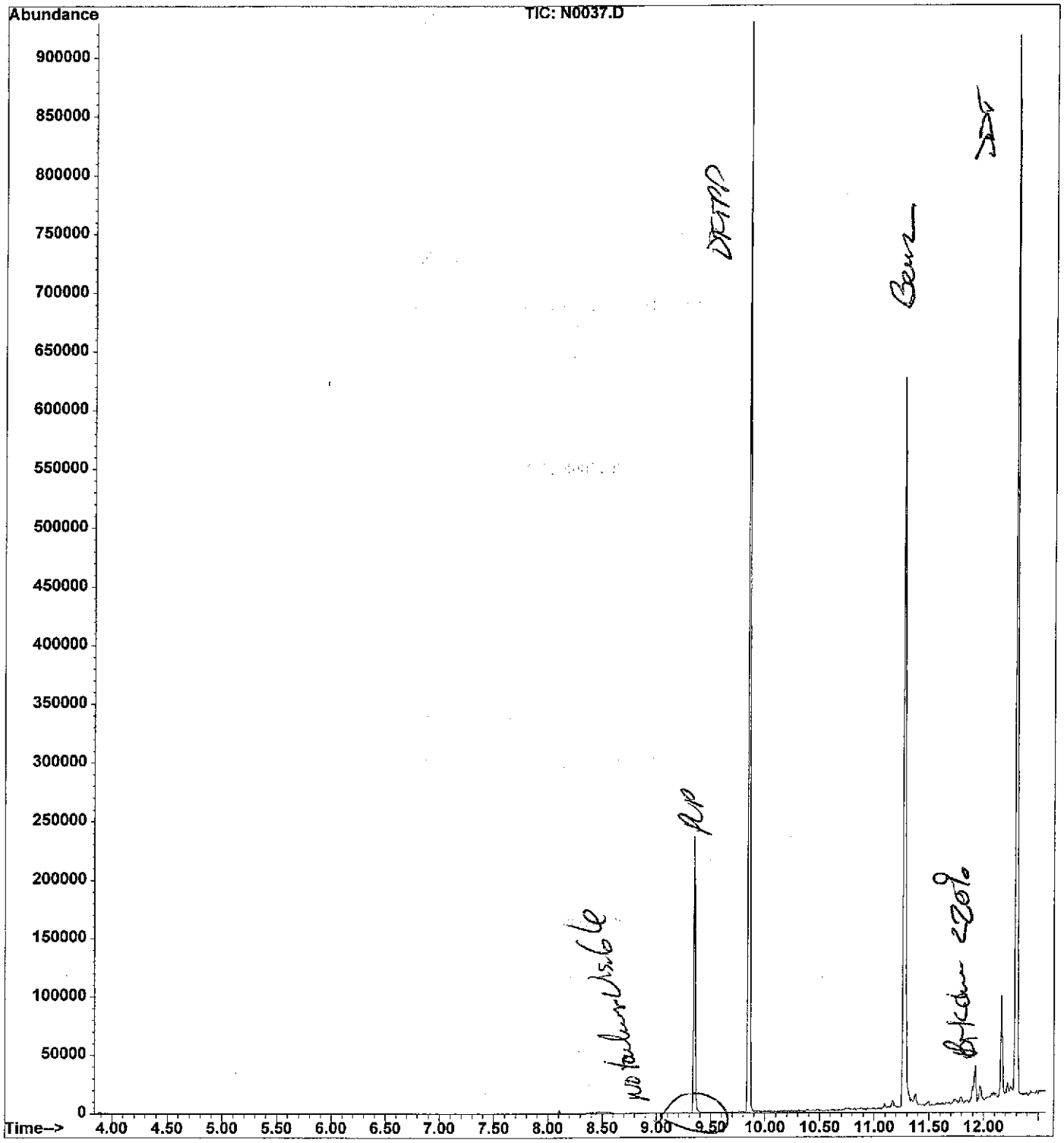
Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
274.05	3424	313.85	184	340.90	88	389.85	69
274.95	17391	314.90	435	345.85	338	401.85	249
275.95	2104	315.90	285	351.95	511	402.85	397
276.95	1329	320.80	77	352.85	269	403.95	151
277.95	115	322.95	1574	353.05	97	420.95	344
282.95	82	323.90	208	353.90	445	421.95	311
284.95	86	326.85	189	364.85	1933	422.95	3301
292.85	338	327.90	71	370.95	73	423.90	608
295.90	4166	332.80	74	371.95	891	441.00	9723
296.85	522	334.00	939	372.90	161	442.00	58459
302.85	411	334.80	69	382.90	164	443.00	10885

Average of 9.849 to 9.863 min.: N0037.D
TD102008A5
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.95	957						

File : C:\HPCHEM\1\DATA\N0037.D
Operator : MEG
Acquired : 20 Oct 2008 8:08 using AcqMethod DFTPP1UL
Instrument : #5MS26
Sample Name: TD102008A5
Misc Info : TUNE,DFTPP,
Vial Number: 1



Preparation Blanks

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1´-Biphenyl	ND	10									
2,4,5-Trichlorophenol	ND	50									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	10									
4-Bromophenyl phenyl ether	ND	10									
4-Chloro-3-methylphenol	ND	10									
4-Chloroaniline	ND	10									
4-Chlorophenyl phenyl ether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	50									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Acetophenone	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	10									
Atrazine	ND	10									
Benzaldehyde	ND	10									
Benzo[a]anthracene	ND	10									
Benzo[a]pyrene	ND	10									
Benzo[b]fluoranthene	ND	10									
Benzo[g,h,i]perylene	ND	10									
Benzo[k]fluoranthene	ND	10									
bis(2-Chloroethoxy)methane	ND	10									
bis(2-chloroethyl)ether	ND	10									
bis(2-chloroisopropyl)ether	ND	10									
bis(2-Ethylhexyl)phthalate	ND	10									
Butyl benzyl phthalate	ND	10									
Caprolactam	ND	10									
Carbazole	ND	10									
Chrysene	ND	10									
Di-n-butyl phthalate	ND	10									
Di-n-octyl phthalate	ND	10									
Dibenz[a,h]anthracene	ND	10									
Dibenzofuran	ND	10									
Diethyl phthalate	ND	10									
Dimethyl phthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	10									
Hexachlorocyclopentadiene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

574 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MB-8267**	SampType: **MBLK**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397631**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	ND	10									
Indeno[1,2,3-cd]pyrene	ND	10									
Isophorone	ND	10									
N-Nitroso-di-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 2,4,6-Tribromophenol	142	0.10	150	0	94	46	149				
Surr: 2-Fluorobiphenyl	83.3	0.10	100	0	83	42	130				
Surr: 2-Fluorophenol	127	0.10	150	0	84	26	130				
Surr: Nitrobenzene-d5	86.0	0.10	100	0	86	42	130				
Surr: Phenol-d5	126	0.10	150	0	84	21	134				
Surr: Terphenyl-d14	100	0.10	100	0	100	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

575 : *20-Oct-08*

Form 1 TIC CLIENT SAMPLE NO.

Semivolatile Organic Compounds by GC/MS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

MB-8267

Lab Name: Life Science Laboratories, Inc. Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Matrix: (soil/water) WATER Lab Sample ID: MB-8267

Sample wt/vol: 1000 (g/mL) mL Lab File ID: N0022.D

Level: LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/17/2008

GC Column: DB-5MS ID: 0.25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 (µl)

Number TICs found: 3 CONCENTRATION UNITS: UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000141-78-6	Ethyl Acetate	5.72	4.8	JN
2.		unknown (6.16)	6.16	5.2	J
3.		unknown (6.33)	6.33	6.2	J

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:19 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

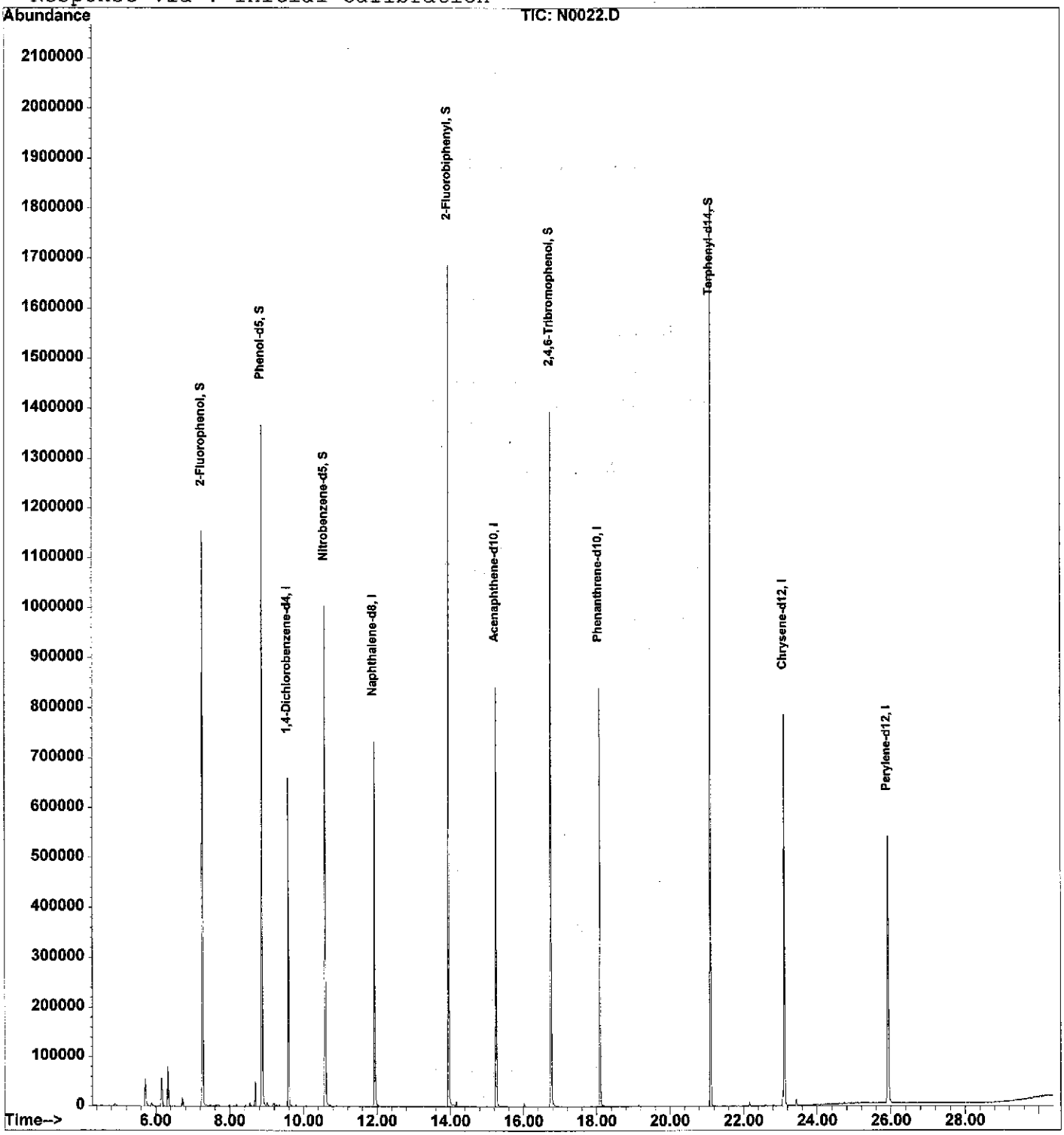
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	156428	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	550756	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.26	164	308088	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.09	188	538926	40.00	ug/mL	-0.01
58) Chrysene-d12	23.13	240	474602	40.00	ug/mL	-0.01
68) Perylene-d12	25.93	264	473408	40.00	ug/mL	-0.02
System Monitoring Compounds						
2) 2-Fluorophenol	7.27	112	546364	126.63	ug/mL	0.00
Spiked Amount 150.000			Recovery = 84.42%			
3) Phenol-d5	8.88	99	745805	126.31	ug/mL	0.00
Spiked Amount 150.000			Recovery = 84.21%			
14) Nitrobenzene-d5	10.60	82	545675	86.05	ug/mL	0.00
Spiked Amount 100.000			Recovery = 86.05%			
30) 2-Fluorobiphenyl	13.96	172	796434	83.26	ug/mL	0.00
Spiked Amount 100.000			Recovery = 83.26%			
46) 2,4,6-Tribromophenol	16.76	330	303089	141.69	ug/mL	0.00
Spiked Amount 150.000			Recovery = 94.46%			
60) Terphenyl-d14	21.12	244	852639	100.10	ug/mL	0.00
Spiked Amount 100.000			Recovery = 100.10%			
Target Compounds						Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:19 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	156428	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	550756	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.26	164	308088	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.09	188	538926	40.00	ug/mL	0.00
14) Chrysene-d12	23.13	240	474602	40.00	ug/mL	0.00
15) Perylene-d12	25.93	264	473408	40.00	ug/mL	0.00

System Monitoring Compounds

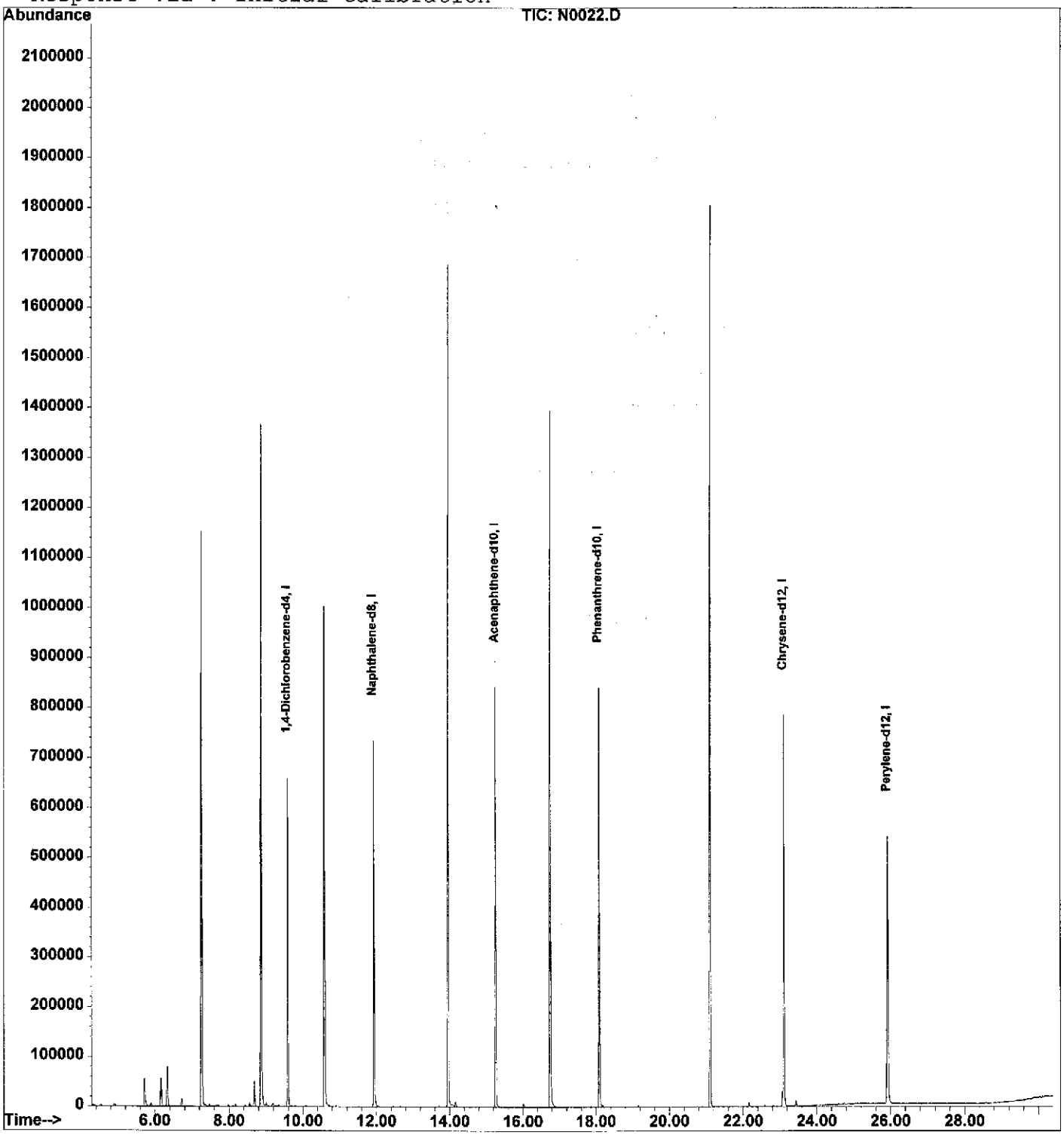
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
N0022.D NO14OLM.M Mon Oct 20 09:40:28 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Tentatively Identified Compound (LSC) summary

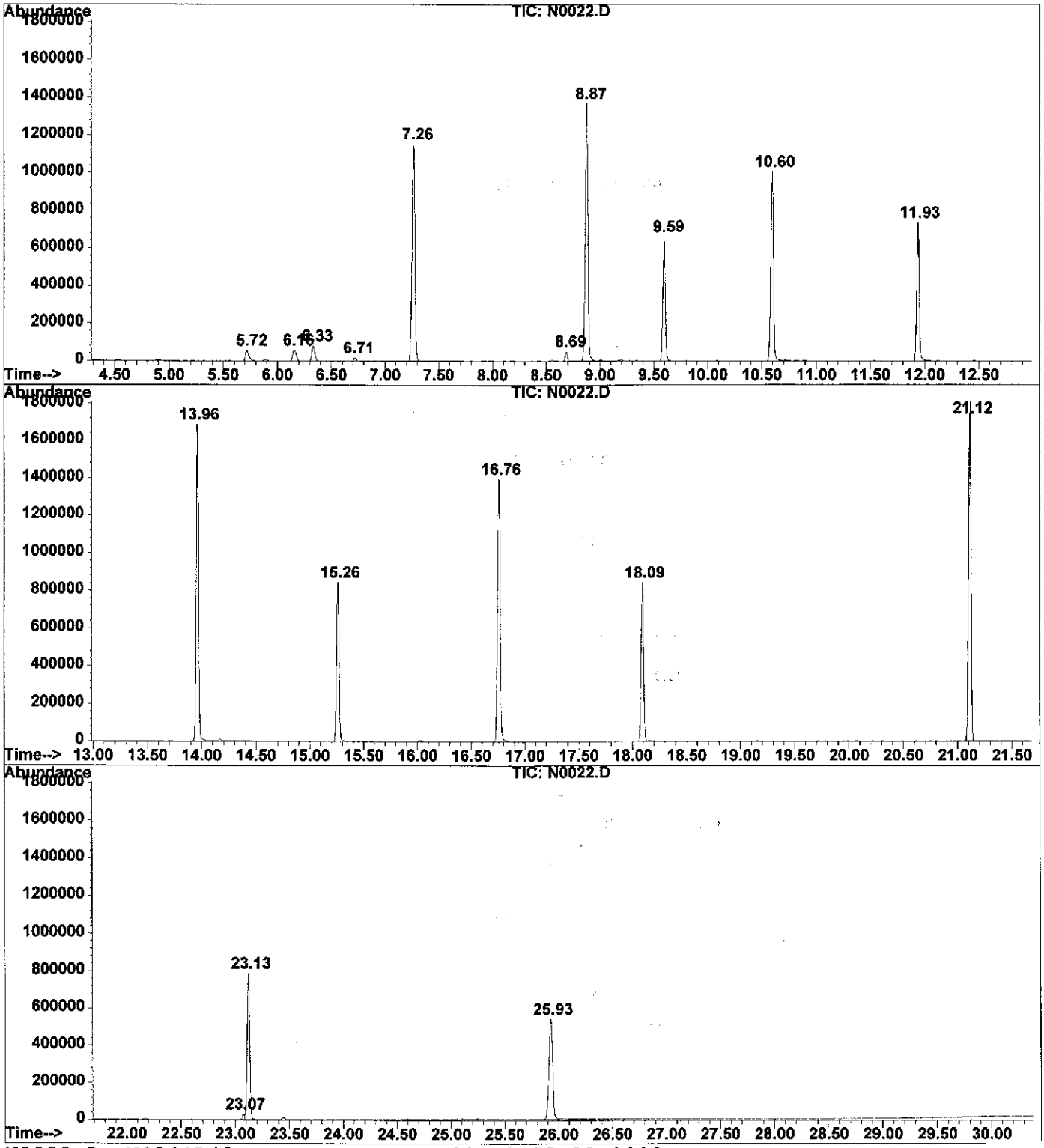
Operator ID: MEG Date Acquired: 17 Oct 2008 11:59
Data File: C:\HPCHEM\1\DATA\N0022.D
Name: MB-8267
Misc: MBLK,8270W_OLM42,
Method: C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title: BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Ethyl Acetate	5.72	4.8	ug/mL	123709	ISTD01	9.59	1024490	40.0
tert-Butyl Hydropero	6.16	5.2	ug/mL	133624	ISTD01	9.59	1024490	40.0
Propanoic acid, 2-hy	6.33	6.2	ug/mL	158539	ISTD01	9.59	1024490	40.0

N0022.D NO14OL42.M Tue Oct 28 13:25:34 2008

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N0022.D
Operator : MEG
Acquired : 17 Oct 2008 11:59 using AcqMethod NO14FULL
Instrument : #5MS26
Sample Name: MB-8267
Misc Info : MBLK,8270W_OLM42,
Vial Number: 4
Quant File :NO14OL42.RES (RTE Integrator)



N0022.D NO14OL42.M Tue Oct 28 13:25:33 2008

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0022.D
Acq On : 17 Oct 2008 11:59
Sample : MB-8267
Misc : MBLK,8270W_OLM42,
MS Integration Params: LSCINT.P

Vial: 4
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

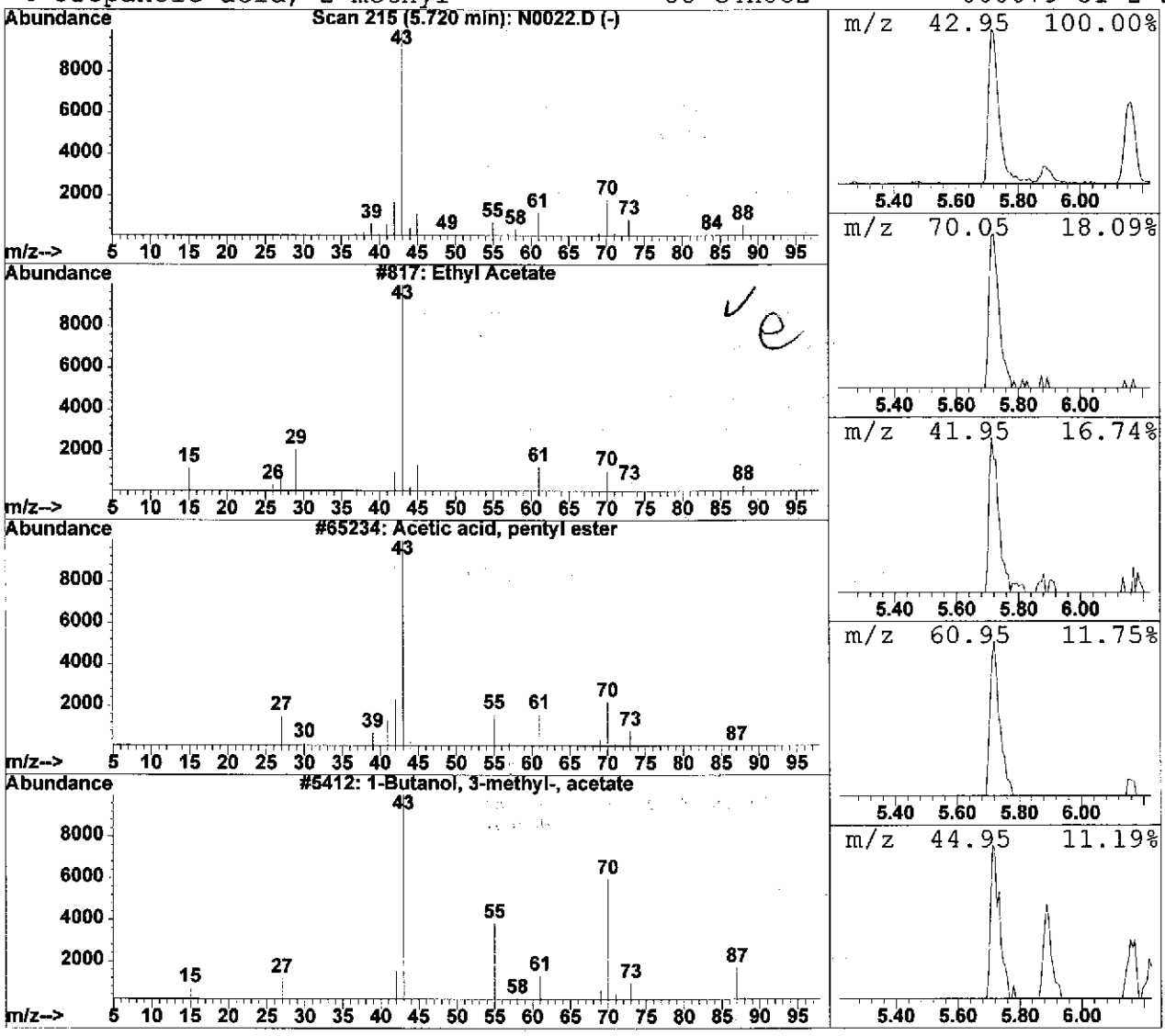
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Ethyl Acetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	4.83 ug/mL	123709	1,4-Dichlorobenzene-d4	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2	Acetic acid, pentyl ester	130	C7H14O2	000628-63-7	45
3	1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	28
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

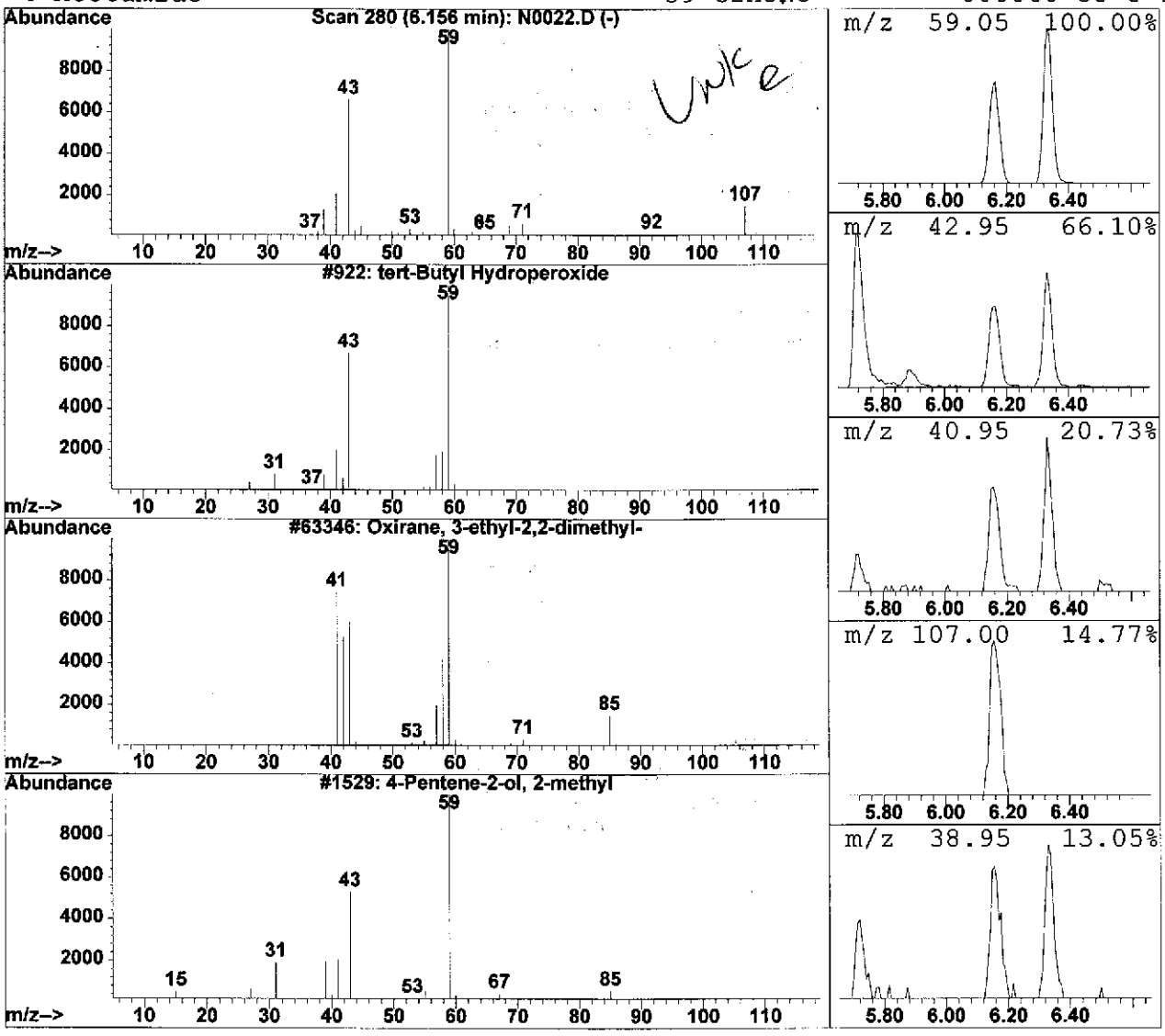
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 tert-Butyl Hydroperoxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	5.22 ug/mL	133624	1,4-Dichlorobenzene-d4	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	42
2	Oxirane, 3-ethyl-2,2-dimethyl-	100	C6H12O	001192-22-9	38
3	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	36
4	Acetamide	59	C2H5NO	000060-35-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N0022.D Vial: 4
Acq On : 17 Oct 2008 11:59 Operator: MEG
Sample : MB-8267 Inst : #5MS26
Misc : MBLK,8270W_OLM42, Multiplr: 1.00
MS Integration Params: LSCINT.P

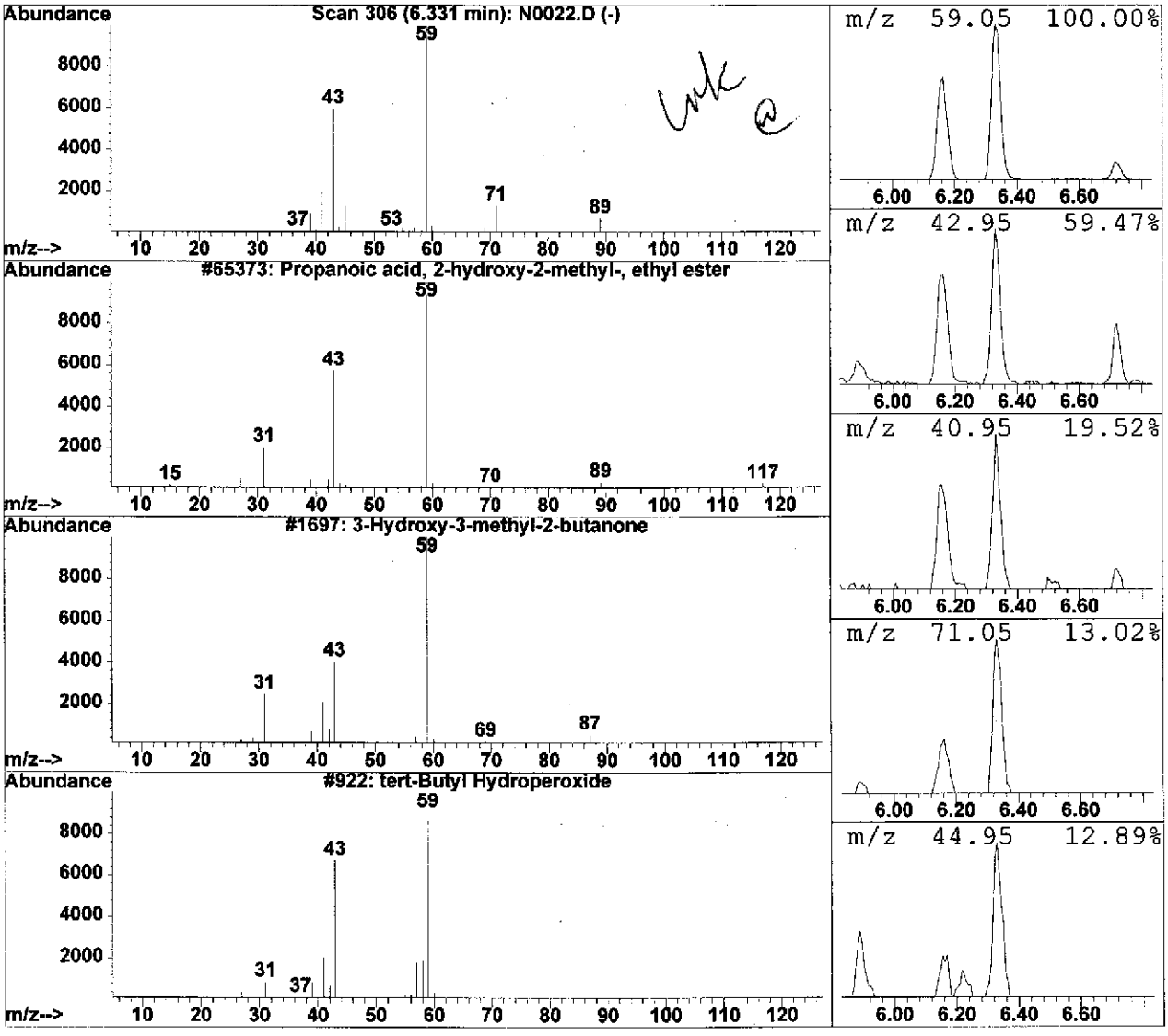
Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Propanoic acid, 2-hydroxy-2-me Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	6.19 ug/mL	158539	1,4-Dichlorobenzene-d4	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-hydroxy-2-methyl-	132	C6H12O3	000080-55-7	38
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	36
3	tert-Butyl Hydroperoxide	90	C4H10O2	000075-91-2	36
4	Acetamide	59	C2H5NO	000060-35-5	9



Matrix Spike Blanks

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8267** SampType: **MSB** TestCode: **8270W_OLM** Units: **µg/L** Prep Date: **10/15/2008** RunNo: **15208**

Client ID: **ZZZZZ** Batch ID: **8267** Method: **SW8270C (SW3520C)** Analysis Date: **10/17/2008** SeqNo: **397641**

Instrument: **MS05_26** ColumnID: **DB-5MS ZB-5, 0.5 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	49.2	10	50	0	98	30	130				
2,4,5-Trichlorophenol	37.9	50	50	0	76	50	134				J
2,4,6-Trichlorophenol	43.0	10	50	0	86	50	130				
2,4-Dichlorophenol	42.6	10	50	0	85	50	130				
2,4-Dimethylphenol	38.7	10	50	0	77	39	130				
2,4-Dinitrophenol	35.2	50	50	0	70	45	130				J
2,4-Dinitrotoluene	47.2	10	50	0	94	50	130				
2,6-Dinitrotoluene	47.5	10	50	0	95	50	130				
2-Chloronaphthalene	38.6	10	50	0	77	50	130				
2-Chlorophenol	44.7	10	50	0	89	35	130				
2-Methylnaphthalene	32.2	10	50	0	64	36	130				
2-Methylphenol	38.2	10	50	0	76	34	138				
2-Nitroaniline	43.0	50	50	0	86	10	173				J
2-Nitrophenol	41.5	10	50	0	83	46	130				
3,3'-Dichlorobenzidine	25.1	20	50	0	50	10	151				
3-Nitroaniline	41.4	50	50	0	83	10	161				J
4,6-Dinitro-2-methylphenol	44.5	10	50	0	89	50	130				
4-Bromophenyl phenyl ether	42.3	10	50	0	85	50	130				
4-Chloro-3-methylphenol	42.4	10	50	0	85	48	135				
4-Chloroaniline	35.8	10	50	0	72	14	133				
4-Chlorophenyl phenyl ether	39.1	10	50	0	78	50	130				
4-Methylphenol	38.6	10	50	0	77	48	130				
4-Nitroaniline	40.8	50	50	0	82	10	175				J
4-Nitrophenol	53.1	50	50	0	106	50	154				
Acenaphthene	39.4	10	50	0	79	50	130				
Acenaphthylene	40.7	10	50	0	81	50	130				
Acetophenone	45.2	10	50	0	90	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MSB-8267**	SampType: **MSB**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**
Client ID: **ZZZZZ**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397641**
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	40.5	10	50	0	81	50	130				
Atrazine	48.4	10	50	0	97	30	130				
Benzaldehyde	48.4	10	50	0	97	30	130				
Benzo[a]anthracene	39.4	10	50	0	79	42	134				
Benzo[a]pyrene	41.0	10	50	0	82	36	139				
Benzo[b]fluoranthene	38.9	10	50	0	78	30	153				
Benzo[g,h,i]perylene	43.1	10	50	0	86	23	136				
Benzo[k]fluoranthene	42.6	10	50	0	85	21	166				
bis(2-Chloroethoxy)methane	44.2	10	50	0	88	35	130				
bis(2-chloroethyl)ether	45.0	10	50	0	90	18	153				
bis(2-chloroisopropyl)ether	49.9	10	50	0	100	28	130				
bis(2-Ethylhexyl)phthalate	43.9	10	50	0	88	49	153				
Butyl benzyl phthalate	43.4	10	50	0	87	28	157				
Caprolactam	62.5	10	50	0	125	30	130				
Carbazole	45.2	10	50	0	90	38	175				
Chrysene	42.3	10	50	0	85	43	132				
Di-n-butyl phthalate	47.9	10	50	0	96	37	152				
Di-n-octyl phthalate	43.4	10	50	0	87	50	148				
Dibenz[a,h]anthracene	43.9	10	50	0	88	27	149				
Dibenzofuran	33.2	10	50	0	66	50	130				
Diethyl phthalate	48.3	10	50	0	97	18	169				
Dimethyl phthalate	48.9	10	50	0	98	19	161				
Fluoranthene	41.1	10	50	0	82	50	130				
Fluorene	38.2	10	50	0	76	50	130				
Hexachlorobenzene	42.5	10	50	0	85	45	134				
Hexachlorobutadiene	26.6	10	50	0	53	20	130				
Hexachlorocyclopentadiene	28.5	10	50	0	57	10	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8267** SampType: **MSB** TestCode: **8270W_OLM** Units: **µg/L** Prep Date: **10/15/2008** RunNo: **15208**

Client ID: **ZZZZZ** Batch ID: **8267** Method: **SW8270C (SW3520C)** Analysis Date: **10/17/2008** SeqNo: **397641**

Instrument: **MS05_26** ColumnID: **DB-5MS ZB-5, 0.5 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	29.9	10	50	0	60	32	130				
Indeno[1,2,3-cd]pyrene	42.6	10	50	0	85	27	138				
Isophorone	46.0	10	50	0	92	49	130				
N-Nitroso-di-n-propylamine	46.6	10	50	0	93	30	145				
N-Nitrosodiphenylamine	43.7	10	50	0	87	19	157				
Naphthalene	37.5	10	50	0	75	33	130				
Nitrobenzene	45.9	10	50	0	92	38	145				
Pentachlorophenol	40.3	50	50	0	81	50	145				J
Phenanthrene	40.4	10	50	0	81	50	130				
Phenol	42.1	10	50	0	84	20	141				
Pyrene	38.3	10	50	0	77	47	133				
Surr: 2,4,6-Tribromophenol	164	0.10	150	0	109	46	149				
Surr: 2-Fluorobiphenyl	86.8	0.10	100	0	87	42	130				
Surr: 2-Fluorophenol	131	0.10	150	0	88	26	130				
Surr: Nitrobenzene-d5	89.3	0.10	100	0	89	42	130				
Surr: Phenol-d5	134	0.10	150	0	89	21	134				
Surr: Terphenyl-d14	98.4	0.10	100	0	98	24	147				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0024.D
Acq On : 17 Oct 2008 13:16
Sample : MSB-8267
Misc : MSB ,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008

Vial: 6
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	169532	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	590763	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	333962	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.10	188	586691	40.00	ug/mL	0.00
58) Chrysene-d12	23.13	240	542641	40.00	ug/mL	0.00
68) Perylene-d12	25.94	264	555732	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.27	112	614151	131.33	ug/mL	0.00
Spiked Amount 150.000			Recovery =	87.55%		
3) Phenol-d5	8.89	99	855198	133.64	ug/mL	0.00
Spiked Amount 150.000			Recovery =	89.09%		
14) Nitrobenzene-d5	10.61	82	607588	89.33	ug/mL	0.00
Spiked Amount 100.000			Recovery =	89.33%		
30) 2-Fluorobiphenyl	13.97	172	899784	86.77	ug/mL	0.00
Spiked Amount 100.000			Recovery =	86.77%		
46) 2,4,6-Tribromophenol	16.77	330	380139	163.94	ug/mL	0.00
Spiked Amount 150.000			Recovery =	109.29%		
60) Terphenyl-d14	21.12	244	958148	98.38	ug/mL	0.00
Spiked Amount 100.000			Recovery =	98.38%		
Target Compounds						Qvalue
4) Phenol	8.91	94	319089	42.12	ug/mL	86
5) bis(2-Chloroethyl)ether	9.10	93	269360	44.99	ug/mL	94
6) 2-Chlorophenol	9.22	128	234131	44.67	ug/mL	98
7) 2-Methylphenol	9.99	108	211746	38.19	ug/mL	99
8) 2,2'-oxybis(1-chloropropan	10.06	45	330946	49.89	ug/mL	96
9) bis(2-Chloroisopropyl)ethe	10.06	45	330946	49.89	ug/mL	96
10) 4-Methylphenol	10.28	108	227266	38.56	ug/mL	100
11) N-Nitroso-di-n-propylamine	10.31	70	198588	46.62	ug/mL	95
12) Hexachloroethane	10.52	117	78670	29.88	ug/mL	91
15) Nitrobenzene	10.64	77	327001	45.91	ug/mL	99
16) Isophorone	11.07	82	592151	46.04	ug/mL	100
17) 2-Nitrophenol	11.22	139	142488	41.50	ug/mL	99
18) 2,4-Dimethylphenol	11.26	107	219471	38.69	ug/mL	97
19) bis(2-Chloroethoxy)methane	11.45	93	325062	44.18	ug/mL	99
20) 2,4-Dichlorophenol	11.66	162	216479	42.63	ug/mL	100
21) Naphthalene	11.99	128	536457	37.50	ug/mL#	100
22) 4-Chloroaniline	12.06	127	272532	35.81	ug/mL	99
23) Hexachlorobutadiene	12.20	225	82987	26.55	ug/mL	99
24) 4-Chloro-3-methylphenol	12.95	107	217120	42.42	ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0024.D Vial: 6
Acq On : 17 Oct 2008 13:16 Operator: MEG
Sample : MSB-8267 Inst : #5MS26
Misc : MSB ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
25)	2-Methylnaphthalene	13.28	142	368296	32.16	ug/mL	99
27)	Hexachlorocyclopentadiene	13.57	237	83690	28.45	ug/mL	100
28)	2,4,6-Trichlorophenol	13.80	196	136373	42.97	ug/mL	97
29)	2,4,5-Trichlorophenol	13.87	196	146866	37.89	ug/mL	99
31)	2-Chloronaphthalene	14.21	162	368653	38.63	ug/mL	100
32)	2-Nitroaniline	14.38	65	168762	43.04	ug/mL	95
33)	Dimethyl phthalate	14.72	163	591331	48.91	ug/mL	100
34)	2,6-Dinitrotoluene	14.85	165	144945	47.47	ug/mL	97
35)	Acenaphthylene	15.00	152	615607	40.69	ug/mL	100
36)	3-Nitroaniline	15.17	138	143092	41.43	ug/mL	100
37)	Acenaphthene	15.33	153	355347	39.40	ug/mL	100
38)	2,4-Dinitrophenol	15.36	184	60228	35.16	ug/mL#	1
39)	4-Nitrophenol	15.44	109	85041	53.08	ug/mL	99
40)	2,4-Dinitrotoluene	15.61	165	182005	47.19	ug/mL	96
41)	Dibenzofuran	15.66	168	539389	33.20	ug/mL	98
42)	Diethyl phthalate	16.06	149	572395	48.26	ug/mL	98
43)	4-Chlorophenyl phenyl ethe	16.30	204	198553	39.13	ug/mL	97
44)	Fluorene	16.31	166	422528	38.21	ug/mL	100
45)	4-Nitroaniline	16.34	138	141075	40.82	ug/mL	87
48)	4,6-Dinitro-2-methylphenol	16.39	198	104502	44.49	ug/mL	91
49)	n-Nitrosodiphenylamine	16.52	169	329733	43.69	ug/mL	99
50)	4-Bromophenyl phenyl ether	17.23	248	132297	42.34	ug/mL	96
51)	Hexachlorobenzene	17.36	284	176874	42.47	ug/mL	96
52)	Pentachlorophenol	17.72	266	84770	40.30	ug/mL	99
53)	Phenanthrene	18.15	178	593014	40.40	ug/mL	100
54)	Anthracene	18.25	178	607211	40.53	ug/mL	100
55)	Carbazole	18.54	167	618354	45.20	ug/mL	99
56)	Di-n-butyl phthalate	19.16	149	931088	47.92	ug/mL	100
57)	Fluoranthene	20.41	202	604671	41.12	ug/mL	96
59)	Pyrene	20.85	202	635059	38.32	ug/mL	97
61)	Butyl benzyl phthalate	22.02	149	430473	43.35	ug/mL	98
62)	3,3'-Dichlorobenzidine	23.04	252	143457	25.12	ug/mL	99
63)	Benzo[a]anthracene	23.11	228	575527	39.36	ug/mL	100
64)	bis(2-Ethylhexyl)phthalate	23.09	149	614436	43.88	ug/mL	97
65)	Chrysene	23.19	228	574390	42.26	ug/mL	99
66)	Di-n-octyl phthalate	24.25	149	1069765	43.37	ug/mL	100
67)	Indeno[1,2,3-cd]pyrene	28.69	276	655889	42.60	ug/mL	97
69)	Benzo[b]fluoranthene	25.11	252	587906	38.94	ug/mL	99
70)	Benzo[k]fluoranthene	25.17	252	611398	42.63	ug/mL	100
71)	Benzo[a]pyrene	25.82	252	562255	40.98	ug/mL	98
72)	Dibenz[a,h]anthracene	28.72	278	566538	43.87	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0024.D Vial: 6
Acq On : 17 Oct 2008 13:16 Operator: MEG
Sample : MSB-8267 Inst : #5MS26
Misc : MSB ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

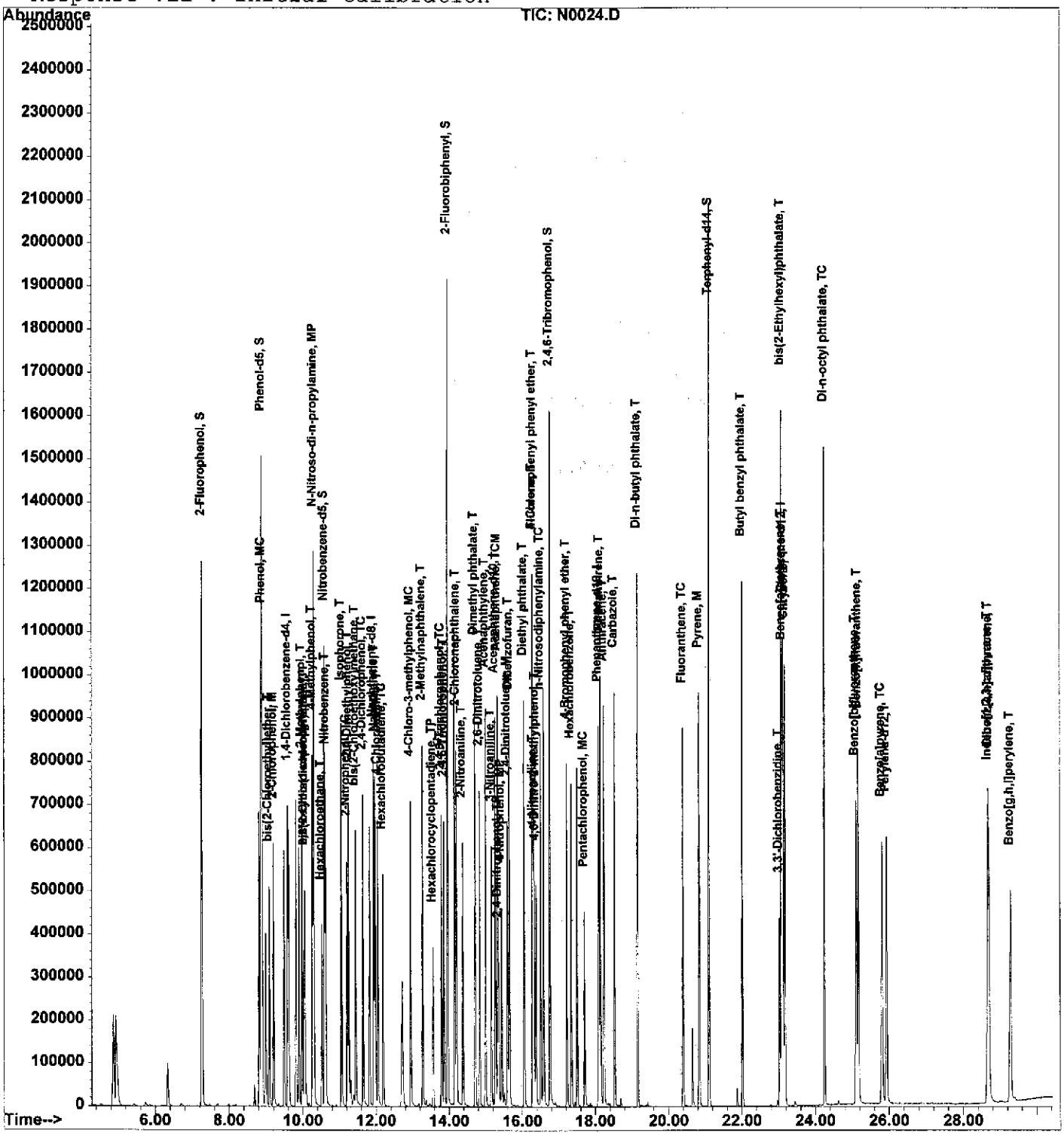
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) Benzo[g,h,i]perylene	29.30	276	546363	43.12	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0024.D NO14OL42.M Tue Oct 28 13:21:51 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0024.D Vial: 6
Acq On : 17 Oct 2008 13:16 Operator: MEG
Sample : MSB-8267 Inst : #5MS26
Misc : MSB ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 24 08:50:06 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0024.D Vial: 6
Acq On : 17 Oct 2008 13:16 Operator: MEG
Sample : MSB-8267 Inst : #5MS26
Misc : MSB ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	169532	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	590763	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	333962	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.10	188	586691	40.00	ug/mL	0.00
14) Chrysene-d12	23.13	240	542641	40.00	ug/mL	0.00
15) Perylene-d12	25.94	264	555732	40.00	ug/mL	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Benzaldehyde	8.82	77	232733	48.35	ug/mL	98
4) Acetophenone	10.32	105	322922	45.21	ug/mL	100
6) Caprolactam	12.73	55	110987	62.52	ug/mL	99
8) 1,1'-Biphenyl	14.16	154	511842	49.16	ug/mL	100
12) Atrazine	17.52	200	129548	48.37	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0024.D NO14OLM.M Tue Oct 28 13:23:05 2008 Pa

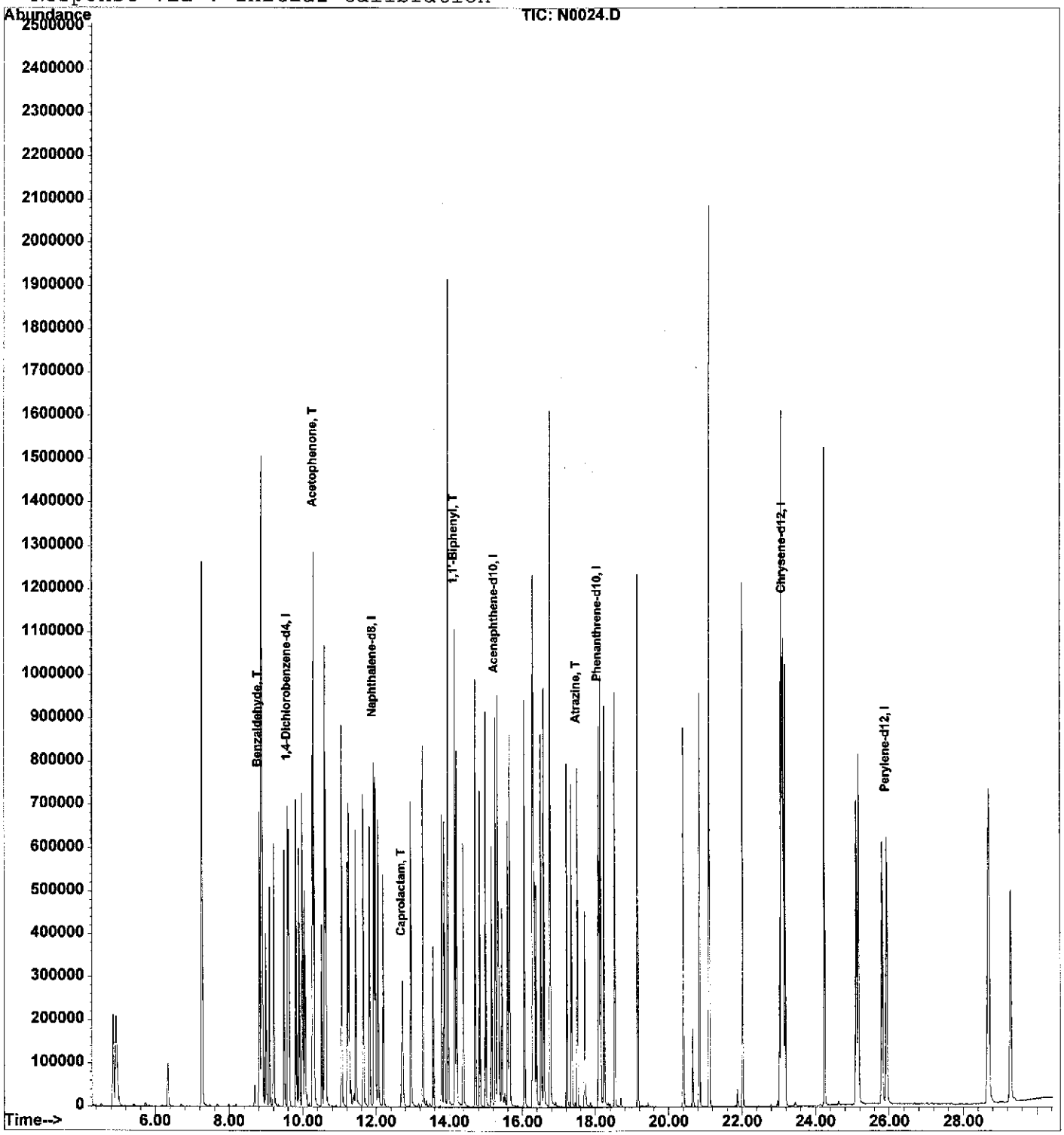
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0024.D
Acq On : 17 Oct 2008 13:16
Sample : MSB-8267
Misc : MSB ,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008

Vial: 6
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Fri Oct 24 09:05:29 2008
Response via : Initial Calibration



Matrix Spikes

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397636**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	48.1	10	51.5	0	93	30	130				
2,4,5-Trichlorophenol	38.5	52	51.5	0	75	50	134				J
2,4,6-Trichlorophenol	43.5	10	51.5	0	84	50	130				
2,4-Dichlorophenol	44.8	10	51.5	0	87	50	130				
2,4-Dimethylphenol	42.3	10	51.5	0	82	39	130				
2,4-Dinitrophenol	30.3	52	51.5	0	59	45	130				J
2,4-Dinitrotoluene	48.3	10	51.5	0	94	50	130				
2,6-Dinitrotoluene	48.6	10	51.5	0	94	50	130				
2-Chloronaphthalene	40.7	10	51.5	0	79	50	130				
2-Chlorophenol	43.2	10	51.5	0	84	35	130				
2-Methylnaphthalene	35.4	10	51.5	0	69	36	130				
2-Methylphenol	35.4	10	51.5	0	69	34	138				
2-Nitroaniline	39.1	52	51.5	0	76	10	173				J
2-Nitrophenol	42.1	10	51.5	0	82	46	130				
3,3'-Dichlorobenzidine	46.8	21	51.5	0	91	10	151				
3-Nitroaniline	41.3	52	51.5	0	80	10	161				J
4,6-Dinitro-2-methylphenol	39.0	10	51.5	0	76	50	130				
4-Bromophenyl phenyl ether	47.2	10	51.5	0	92	50	130				
4-Chloro-3-methylphenol	41.7	10	51.5	0	81	48	135				
4-Chloroaniline	37.1	10	51.5	0	72	14	133				
4-Chlorophenyl phenyl ether	44.0	10	51.5	0	85	50	130				
4-Methylphenol	35.9	10	51.5	0	70	48	130				
4-Nitroaniline	41.8	52	51.5	0	81	10	175				J
4-Nitrophenol	58.9	52	51.5	0	114	50	154				
Acenaphthene	42.4	10	51.5	0	82	50	130				
Acenaphthylene	40.1	10	51.5	0	78	50	130				
Acetophenone	41.4	10	51.5	0	80	30	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

597 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID:	0810110-002BMS	SampType:	MS	TestCode:	8270W_OLM	Units:	µg/L	Prep Date:	10/15/2008
Client ID:	MW-2	Batch ID:	8267	Method:	SW8270C		(SW3520C)	Analysis Date:	10/17/2008
Instrument:	MS05_26	ColumnID:	DB-5MS		ZB-5, 0.5 df				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	43.7	10	51.5	0	85	50	130				
Atrazine	34.5	10	51.5	0	67	30	130				
Benzaldehyde	40.6	10	51.5	0	79	30	130				
Benzo[a]anthracene	41.9	10	51.5	0	81	42	134				
Benzo[a]pyrene	42.8	10	51.5	0	83	36	139				
Benzo[b]fluoranthene	42.7	10	51.5	0	83	30	153				
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136				
Benzo[k]fluoranthene	49.7	10	51.5	0	96	21	166				
bis(2-Chloroethoxy)methane	39.7	10	51.5	0	77	35	130				
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153				
bis(2-chloroisopropyl)ether	40.1	10	51.5	0	78	28	130				
bis(2-Ethylhexyl)phthalate	44.9	10	51.5	0	87	49	153				
Butyl benzyl phthalate	44.9	10	51.5	0	87	28	157				
Caprolactam	49.6	10	51.5	0	96	30	130				
Carbazole	48.7	10	51.5	0	95	38	175				
Chrysene	44.8	10	51.5	0	87	43	132				
Di-n-butyl phthalate	47.5	10	51.5	0	92	37	152				
Di-n-octyl phthalate	42.4	10	51.5	0	82	50	148				
Dibenz[a,h]anthracene	31.6	10	51.5	0	61	27	149				
Dibenzofuran	35.9	10	51.5	0	70	50	130				
Diethyl phthalate	50.5	10	51.5	0	98	18	169				
Dimethyl phthalate	49.0	10	51.5	0	95	19	161				
Fluoranthene	37.8	10	51.5	0	73	50	130				
Fluorene	43.2	10	51.5	0	84	50	130				
Hexachlorobenzene	49.0	10	51.5	0	95	45	134				
Hexachlorobutadiene	31.1	10	51.5	0	60	20	130				
Hexachlorocyclopentadiene	ND	10	51.5	0	0	10	130				S

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

598 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMS** SampType: **MS** TestCode: **8270W_OLM** Units: **µg/L** Prep Date: **10/15/2008** RunNo: **15208**
Client ID: **MW-2** Batch ID: **8267** Method: **SW8270C (SW3520C)** Analysis Date: **10/17/2008** SeqNo: **397636**
Instrument: **MS05_26** ColumnID: **DB-5MS ZB-5, 0.5 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.8	10	51.5	0	56	32	130				
Indeno[1,2,3-cd]pyrene	24.3	10	51.5	0	47	27	138				
Isophorone	42.6	10	51.5	0	83	49	130				
N-Nitroso-di-n-propylamine	43.5	10	51.5	0	84	30	145				
N-Nitrosodiphenylamine	47.8	10	51.5	0	93	19	157				
Naphthalene	38.8	10	51.5	0	75	33	130				
Nitrobenzene	43.3	10	51.5	0	84	38	145				
Pentachlorophenol	41.3	52	51.5	0	80	50	145				J
Phenanthrene	43.1	10	51.5	0	84	50	130				
Phenol	37.0	10	51.5	0	72	20	141				
Pyrene	41.2	10	51.5	0	80	47	133				
Surr: 2,4,6-Tribromophenol	184	0.10	155	0	119	46	149				
Surr: 2-Fluorobiphenyl	84.8	0.10	103	0	82	42	130				
Surr: 2-Fluorophenol	120	0.10	155	0	77	26	130				
Surr: Nitrobenzene-d5	82.2	0.10	103	0	80	42	130				
Surr: Phenol-d5	118	0.10	155	0	76	21	134				
Surr: Terphenyl-d14	102	0.10	103	0	99	24	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

599 : *20-Oct-08*

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0031.D Vial: 13
Acq On : 17 Oct 2008 17:50 Operator: MEG
Sample : 0810110-002BMS Inst : #5MS26
Misc : MS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	147628	40.00	ug/mL	0.00
13) Naphthalene-d8	11.95	136	511288	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	305194	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	546567	40.00	ug/mL	0.00
58) Chrysene-d12	23.15	240	442945	40.00	ug/mL	0.00
68) Perylene-d12	25.95	264	369111	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.28	112	473324	116.24	ug/mL	0.02
Spiked Amount 150.000			Recovery =	77.49%		
3) Phenol-d5	8.89	99	636518	114.23	ug/mL	0.02
Spiked Amount 150.000			Recovery =	76.15%		
14) Nitrobenzene-d5	10.61	82	469621	79.78	ug/mL	0.00
Spiked Amount 100.000			Recovery =	79.78%		
30) 2-Fluorobiphenyl	13.97	172	779501	82.26	ug/mL	0.00
Spiked Amount 100.000			Recovery =	82.26%		
46) 2,4,6-Tribromophenol	16.78	330	377420	178.11	ug/mL	0.02
Spiked Amount 150.000			Recovery =	118.74%		
60) Terphenyl-d14	21.14	244	790385	99.42	ug/mL	0.03
Spiked Amount 100.000			Recovery =	99.42%		
Target Compounds						Qvalue
4) Phenol	8.91	94	237047	35.93	ug/mL	75
5) bis(2-Chloroethyl)ether	9.10	93	199298	38.22	ug/mL	95
6) 2-Chlorophenol	9.22	128	191320	41.92	ug/mL	99
7) 2-Methylphenol	10.00	108	165876	34.36	ug/mL	100
8) 2,2'-oxybis(1-chloropropan	10.07	45	224860	38.93	ug/mL	98
9) bis(2-Chloroisopropyl)ethe	10.07	45	224860	38.93	ug/mL	98
10) 4-Methylphenol	10.28	108	178660	34.81	ug/mL	99
11) N-Nitroso-di-n-propylamine	10.31	70	156577	42.21	ug/mL	96
12) Hexachloroethane	10.53	117	64090	27.95	ug/mL	97
15) Nitrobenzene	10.64	77	258912	42.00	ug/mL	100
16) Isophorone	11.08	82	460305	41.35	ug/mL	97
17) 2-Nitrophenol	11.22	139	121465	40.88	ug/mL	96
18) 2,4-Dimethylphenol	11.26	107	201406	41.03	ug/mL	98
19) bis(2-Chloroethoxy)methane	11.45	93	245047	38.49	ug/mL	99
20) 2,4-Dichlorophenol	11.66	162	191049	43.47	ug/mL	98
21) Naphthalene	11.99	128	466346	37.66	ug/mL#	99
22) 4-Chloroaniline	12.06	127	237212	36.02	ug/mL	98
23) Hexachlorobutadiene	12.20	225	81731	30.21	ug/mL	98
24) 4-Chloro-3-methylphenol	12.95	107	179308	40.47	ug/mL	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0031.D Vial: 13
Acq On : 17 Oct 2008 17:50 Operator: MEG
Sample : 0810110-002BMS Inst : #5MS26
Misc : MS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Methylnaphthalene	13.28	142	339905	34.29 ug/mL	99
27) Hexachlorocyclopentadiene	13.57	237	19294	7.18 ug/mL	99
28) 2,4,6-Trichlorophenol	13.81	196	122321	42.17 ug/mL	97
29) 2,4,5-Trichlorophenol	13.88	196	132146	37.31 ug/mL	100
31) 2-Chloronaphthalene	14.22	162	344591	39.52 ug/mL	100
32) 2-Nitroaniline	14.39	65	135787	37.90 ug/mL	97
33) Dimethyl phthalate	14.73	163	525094	47.52 ug/mL	99
34) 2,6-Dinitrotoluene	14.85	165	131530	47.14 ug/mL	98
35) Acenaphthylene	15.00	152	537589	38.88 ug/mL	99
36) 3-Nitroaniline	15.18	138	126508	40.08 ug/mL	92
37) Acenaphthene	15.34	153	339286	41.17 ug/mL	99
38) 2,4-Dinitrophenol	15.36	184	42139	29.39 ug/mL#	1
39) 4-Nitrophenol	15.46	109	83610	57.11 ug/mL	92
40) 2,4-Dinitrotoluene	15.61	165	165029	46.82 ug/mL	96
41) Dibenzofuran	15.66	168	517547	34.86 ug/mL	96
42) Diethyl phthalate	16.06	149	530467	48.94 ug/mL	98
43) 4-Chlorophenyl phenyl ethe	16.30	204	197703	42.64 ug/mL	93
44) Fluorene	16.32	166	423619	41.92 ug/mL	99
45) 4-Nitroaniline	16.34	138	128142	40.57 ug/mL	94
48) 4,6-Dinitro-2-methylphenol	16.40	198	82854	37.86 ug/mL	95
49) n-Nitrosodiphenylamine	16.52	169	325830	46.34 ug/mL	99
50) 4-Bromophenyl phenyl ether	17.24	248	133407	45.82 ug/mL	97
51) Hexachlorobenzene	17.36	284	184249	47.49 ug/mL	97
52) Pentachlorophenol	17.73	266	78542	40.08 ug/mL	99
53) Phenanthrene	18.15	178	571421	41.78 ug/mL	100
54) Anthracene	18.26	178	592176	42.43 ug/mL	99
55) Carbazole	18.55	167	602646	47.28 ug/mL	98
56) Di-n-butyl phthalate	19.18	149	833300	46.04 ug/mL	99
57) Fluoranthene	20.47	202	502875	36.71 ug/mL	92
59) Pyrene	20.90	202	540522	39.96 ug/mL	92
61) Butyl benzyl phthalate	22.03	149	352669	43.51 ug/mL	96
62) 3,3'-Dichlorobenzidine	23.05	252	211546	45.39 ug/mL	99
63) Benzo[a]anthracene	23.13	228	485185	40.65 ug/mL	99
64) bis(2-Ethylhexyl)phthalate	23.09	149	497628	43.54 ug/mL	98
65) Chrysene	23.20	228	481803	43.43 ug/mL	99
66) Di-n-octyl phthalate	24.26	149	827218	41.09 ug/mL	99
67) Indeno[1,2,3-cd]pyrene	28.69	276	296416	23.58 ug/mL	96
69) Benzo[b]fluoranthene	25.13	252	415733	41.46 ug/mL	99
70) Benzo[k]fluoranthene	25.19	252	459408	48.23 ug/mL	97
71) Benzo[a]pyrene	25.83	252	378262	41.51 ug/mL	99
72) Dibenz[a,h]anthracene	28.72	278	262885	30.65 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0031.D Vial: 13
Acq On : 17 Oct 2008 17:50 Operator: MEG
Sample : 0810110-002BMS Inst : #5MS26
Misc : MS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

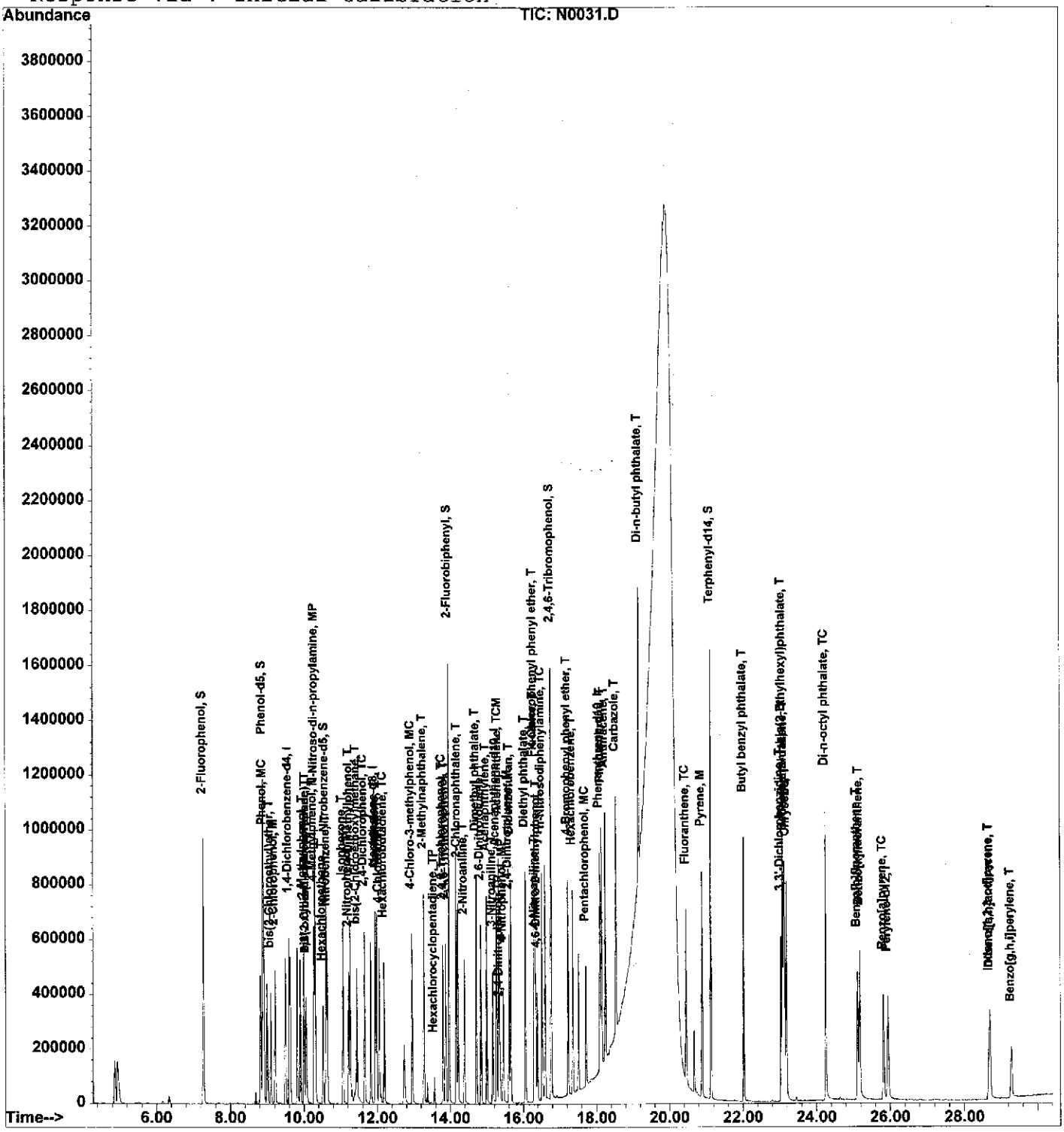
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
73) Benzo[g,h,i]perylene	29.29	276	214175	25.45 ug/mL	97

(#) = qualifier out of range (m) = manual integration
N0031.D NO14OL42.M Mon Oct 20 09:24:59 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0031.D Vial: 13
Acq On : 17 Oct 2008 17:50 Operator: MEG
Sample : 0810110-002BMS Inst : #5MS26
Misc : MS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0031.D Vial: 13
Acq On : 17 Oct 2008 17:50 Operator: MEG
Sample : 0810110-002BMS Inst : #5MS26
Misc : MS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	147628	40.00	ug/mL	0.00
5) Naphthalene-d8	11.95	136	511016	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	305194	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	546567	40.00	ug/mL	0.00
14) Chrysene-d12	23.15	240	442945	40.00	ug/mL	0.02
15) Perylene-d12	25.95	264	369111	40.00	ug/mL	0.02

System Monitoring Compounds

Target Compounds						Qvalue
2) Benzaldehyde	8.83	77	164930	39.35	ug/mL	97
4) Acetophenone	10.32	105	249783	40.16	ug/mL	99
6) Caprolactam	12.75	55	73908	48.13	ug/mL	93
8) 1,1'-Biphenyl	14.16	154	444126	46.68	ug/mL	99
12) Atrazine	17.52	200	83524	33.47	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0031.D NO14OLM.M Mon Oct 20 09:40:00 2008 Pa

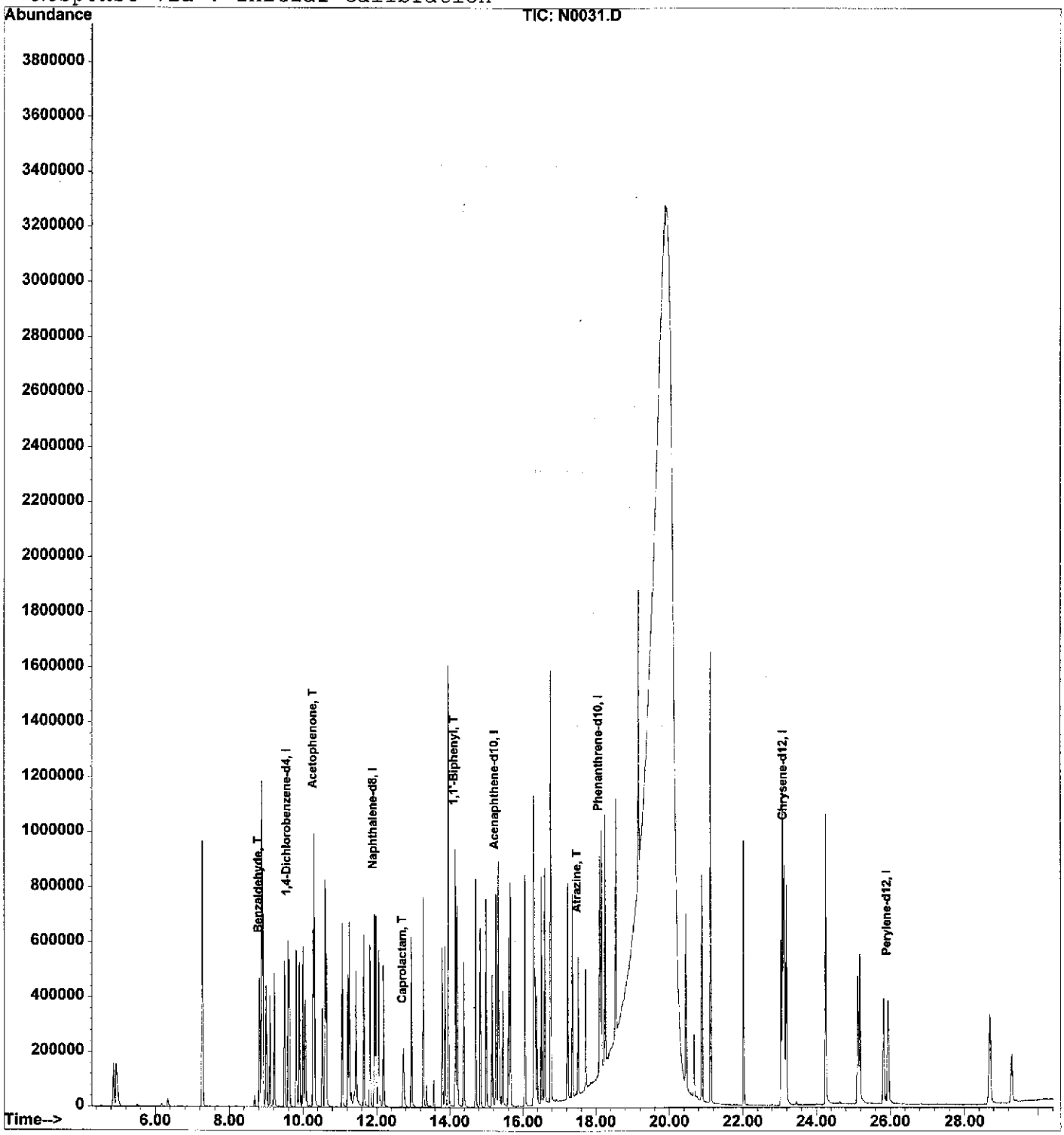
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0031.D
Acq On : 17 Oct 2008 17:50
Sample : 0810110-002BMS
Misc : MS ,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008

Vial: 13
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: 0810110-002BMSD	SampType: MSD	TestCode: 8270W_OLM	Units: µg/L	Prep Date: 10/15/2008	RunNo: 15208
Client ID: MW-2	Batch ID: 8267	Method: SW8270C	(SW3520C)	Analysis Date: 10/17/2008	SeqNo: 397637
Instrument: MS05_26	ColumnID: DB-5MS		ZB-5, 0.5 df		

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	49.3	10	51.5	0	96	30	130	48.1	2.3	60	
2,4,5-Trichlorophenol	38.3	52	51.5	0	74	50	134	38.5	0.5	30	J
2,4,6-Trichlorophenol	43.2	10	51.5	0	84	50	130	43.5	0.5	30	
2,4-Dichlorophenol	47.1	10	51.5	0	91	50	130	44.8	4.9	30	
2,4-Dimethylphenol	33.1	10	51.5	0	64	39	130	42.3	24	31	
2,4-Dinitrophenol	26.8	52	51.5	0	52	45	130	30.3	12	30	J
2,4-Dinitrotoluene	50.0	10	51.5	0	97	50	130	48.3	3.5	30	
2,6-Dinitrotoluene	47.3	10	51.5	0	92	50	130	48.6	2.7	30	
2-Chloronaphthalene	42.3	10	51.5	0	82	50	130	40.7	3.7	30	
2-Chlorophenol	44.0	10	51.5	0	85	35	130	43.2	1.9	60	
2-Methylnaphthalene	36.0	10	51.5	0	70	36	130	35.4	1.8	40	
2-Methylphenol	33.3	10	51.5	0	65	34	138	35.4	6.2	60	
2-Nitroaniline	38.0	52	51.5	0	74	10	173	39.1	2.8	60	J
2-Nitrophenol	43.4	10	51.5	0	84	46	130	42.1	2.8	36	
3,3'-Dichlorobenzidine	21.6	21	51.5	0	42	10	151	46.8	74	60	R
3-Nitroaniline	41.3	52	51.5	0	80	10	161	41.3	0	60	J
4,6-Dinitro-2-methylphenol	37.3	10	51.5	0	72	50	130	39	4.6	30	
4-Bromophenyl phenyl ether	49.1	10	51.5	0	95	50	130	47.2	3.9	37	
4-Chloro-3-methylphenol	42.2	10	51.5	0	82	48	135	41.7	1.2	60	
4-Chloroaniline	37.2	10	51.5	0	72	14	133	37.1	0.2	60	
4-Chlorophenyl phenyl ether	43.5	10	51.5	0	84	50	130	44	1.0	34	
4-Methylphenol	34.5	10	51.5	0	67	48	130	35.9	3.8	42	
4-Nitroaniline	41.5	52	51.5	0	81	10	175	41.8	0.7	60	J
4-Nitrophenol	61.1	52	51.5	0	119	50	154	58.9	3.7	42	
Acenaphthene	43.4	10	51.5	0	84	50	130	42.4	2.3	41	
Acenaphthylene	43.1	10	51.5	0	84	50	130	40.1	7.1	30	
Acetophenone	41.8	10	51.5	0	81	30	130	41.4	0.8	60	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

909 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**		
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**		
Instrument: **MS05_26**	ColumnID: **DB-5MS**		**ZB-5, 0.5 df**				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	45.1	10	51.5	0	88	50	130	43.7	3.1	34	
Atrazine	47.4	10	51.5	0	92	30	130	34.5	32	60	
Benzaldehyde	42.7	10	51.5	0	83	30	130	40.6	5.1	60	
Benzo[a]anthracene	42.7	10	51.5	0	83	42	134	41.9	1.9	54	
Benzo[a]pyrene	44.6	10	51.5	0	86	36	139	42.8	4.1	58	
Benzo[b]fluoranthene	45.1	10	51.5	0	88	30	153	42.7	5.4	59	
Benzo[g,h,i]perylene	26.2	10	51.5	0	51	23	136	26.2	0	57	
Benzo[k]fluoranthene	50.6	10	51.5	0	98	21	166	49.7	1.8	60	
bis(2-Chloroethoxy)methane	41.1	10	51.5	0	80	35	130	39.7	3.6	60	
bis(2-chloroethyl)ether	39.4	10	51.5	0	76	18	153	39.4	0	60	
bis(2-chloroisopropyl)ether	38.7	10	51.5	0	75	28	130	40.1	3.7	60	
bis(2-Ethylhexyl)phthalate	48.2	10	51.5	0	94	49	153	44.9	7.2	59	
Butyl benzyl phthalate	48.4	10	51.5	0	94	28	157	44.9	7.6	46	
Caprolactam	49.9	10	51.5	0	97	30	130	49.6	0.6	60	
Carbazole	49.6	10	51.5	0	96	38	175	48.7	1.7	40	
Chrysene	46.4	10	51.5	0	90	43	132	44.8	3.6	57	
Di-n-butyl phthalate	53.9	10	51.5	0	105	37	152	47.5	13	32	
Di-n-octyl phthalate	45.8	10	51.5	0	89	50	148	42.4	7.8	58	
Dibenz[a,h]anthracene	31.4	10	51.5	0	61	27	149	31.6	0.6	52	
Dibenzofuran	37.3	10	51.5	0	72	50	130	35.9	3.8	30	
Diethyl phthalate	51.6	10	51.5	0	100	18	169	50.5	2.3	30	
Dimethyl phthalate	49.7	10	51.5	0	96	19	161	49	1.4	30	
Fluoranthene	46.0	10	51.5	0	89	50	130	37.8	20	45	
Fluorene	43.2	10	51.5	0	84	50	130	43.2	0.1	30	
Hexachlorobenzene	50.2	10	51.5	0	97	45	134	49	2.5	48	
Hexachlorobutadiene	32.9	10	51.5	0	64	20	130	31.1	5.4	60	
Hexachlorocyclopentadiene	12.8	10	51.5	0	25	10	130	0		31	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

607 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8270W_OLM**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15208**				
Client ID: **MW-2**	Batch ID: **8267**	Method: **SW8270C**	**(SW3520C)**	Analysis Date: **10/17/2008**	SeqNo: **397637**				
Instrument: **MS05_26**	ColumnID: **DB-5MS**	**ZB-5, 0.5 df**							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	31.2	10	51.5	0	61	32	130	28.8	7.9	60	
Indeno[1,2,3-cd]pyrene	23.9	10	51.5	0	46	27	138	24.3	1.6	52	
Isophorone	43.1	10	51.5	0	84	49	130	42.6	1.0	39	
N-Nitroso-di-n-propylamine	42.8	10	51.5	0	83	30	145	43.5	1.8	60	
N-Nitrosodiphenylamine	42.7	10	51.5	0	83	19	157	47.8	11	60	
Naphthalene	40.6	10	51.5	0	79	33	130	38.8	4.4	60	
Nitrobenzene	45.1	10	51.5	0	87	38	145	43.3	4.0	60	
Pentachlorophenol	39.2	52	51.5	0	76	50	145	41.3	5.2	30	J
Phenanthrene	46.0	10	51.5	0	89	50	130	43.1	6.7	32	
Phenol	37.2	10	51.5	0	72	20	141	37	0.5	60	
Pyrene	43.3	10	51.5	0	84	47	133	41.2	5.0	46	
Surr: 2,4,6-Tribromophenol	183	0.10	155	0	118	46	149	0		0	
Surr: 2-Fluorobiphenyl	88.3	0.10	103	0	86	42	130	0		0	
Surr: 2-Fluorophenol	119	0.10	155	0	77	26	130	0		0	
Surr: Nitrobenzene-d5	85.9	0.10	103	0	83	42	130	0		0	
Surr: Phenol-d5	117	0.10	155	0	76	21	134	0		0	
Surr: Terphenyl-d14	90.6	0.10	103	0	88	24	147	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NO032.D Vial: 14
Acq On : 17 Oct 2008 18:28 Operator: MEG
Sample : 0810110-002BMSD Inst : #5MS26
Misc : MSD ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	133898	40.00	ug/mL	0.00
13) Naphthalene-d8	11.95	136	452299	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	275630	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.11	188	491076	40.00	ug/mL	0.00
58) Chrysene-d12	23.14	240	442031	40.00	ug/mL	0.00
68) Perylene-d12	25.94	264	360550	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.28	112	425981	115.34	ug/mL	0.02
Spiked Amount 150.000			Recovery =	76.89%		
3) Phenol-d5	8.89	99	572775	113.33	ug/mL	0.02
Spiked Amount 150.000			Recovery =	75.55%		
14) Nitrobenzene-d5	10.60	82	434163	83.37	ug/mL	0.00
Spiked Amount 100.000			Recovery =	83.37%		
30) 2-Fluorobiphenyl	13.97	172	732834	85.63	ug/mL	0.00
Spiked Amount 100.000			Recovery =	85.63%		
46) 2,4,6-Tribromophenol	16.77	330	339647	177.47	ug/mL	0.00
Spiked Amount 150.000			Recovery =	118.31%		
60) Terphenyl-d14	21.12	244	696974	87.85	ug/mL	0.00
Spiked Amount 100.000			Recovery =	87.85%		
Target Compounds						Qvalue
4) Phenol	8.91	94	216032	36.10	ug/mL	73
5) bis(2-Chloroethyl)ether	9.10	93	180807	38.23	ug/mL	97
6) 2-Chlorophenol	9.22	128	176839	42.72	ug/mL	97
7) 2-Methylphenol	10.00	108	141388	32.29	ug/mL	97
8) 2,2'-oxybis(1-chloropropan	10.06	45	196503	37.51	ug/mL	99
9) bis(2-Chloroisopropyl)ethe	10.06	45	196503	37.51	ug/mL	99
10) 4-Methylphenol	10.28	108	155951	33.50	ug/mL	100
11) N-Nitroso-di-n-propylamine	10.31	70	139533	41.47	ug/mL	92
12) Hexachloroethane	10.52	117	62910	30.25	ug/mL	98
15) Nitrobenzene	10.65	77	238442	43.72	ug/mL	98
16) Isophorone	11.07	82	411260	41.77	ug/mL	97
17) 2-Nitrophenol	11.22	139	110563	42.06	ug/mL	96
18) 2,4-Dimethylphenol	11.26	107	139621	32.15	ug/mL	95
19) bis(2-Chloroethoxy)methane	11.45	93	224809	39.91	ug/mL	98
20) 2,4-Dichlorophenol	11.66	162	177494	45.66	ug/mL	98
21) Naphthalene	11.99	128	431002	39.35	ug/mL#	100
22) 4-Chloroaniline	12.06	127	210259	36.09	ug/mL	99
23) Hexachlorobutadiene	12.20	225	76314	31.89	ug/mL	99
24) 4-Chloro-3-methylphenol	12.95	107	160432	40.94	ug/mL	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0032.D Vial: 14
Acq On : 17 Oct 2008 18:28 Operator: MEG
Sample : 0810110-002BMSD Inst : #5MS26
Misc : MSD ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Methylnaphthalene	13.28	142	306065	34.91 ug/mL	99
27) Hexachlorocyclopentadiene	13.57	237	30164	12.42 ug/mL	99
28) 2,4,6-Trichlorophenol	13.81	196	109867	41.94 ug/mL	97
29) 2,4,5-Trichlorophenol	13.87	196	118713	37.11 ug/mL	99
31) 2-Chloronaphthalene	14.21	162	322988	41.01 ug/mL	99
32) 2-Nitroaniline	14.39	65	119253	36.85 ug/mL	95
33) Dimethyl phthalate	14.72	163	480978	48.20 ug/mL	99
34) 2,6-Dinitrotoluene	14.85	165	115615	45.88 ug/mL	96
35) Acenaphthylene	15.00	152	521469	41.76 ug/mL	99
36) 3-Nitroaniline	15.17	138	114299	40.09 ug/mL	92
37) Acenaphthene	15.34	153	313432	42.11 ug/mL	98
38) 2,4-Dinitrophenol	15.36	184	31228	26.01 ug/mL#	1
39) 4-Nitrophenol	15.46	109	78371	59.27 ug/mL	85
40) 2,4-Dinitrotoluene	15.61	165	154398	48.50 ug/mL	96
41) Dibenzofuran	15.66	168	485675	36.22 ug/mL	96
42) Diethyl phthalate	16.06	149	490351	50.09 ug/mL	98
43) 4-Chlorophenyl phenyl ethe	16.29	204	176764	42.21 ug/mL	93
44) Fluorene	16.32	166	382872	41.95 ug/mL	98
45) 4-Nitroaniline	16.34	138	114953	40.30 ug/mL	92
48) 4,6-Dinitro-2-methylphenol	16.39	198	71085	36.15 ug/mL	96
49) n-Nitrosodiphenylamine	16.52	169	261469	41.39 ug/mL	98
50) 4-Bromophenyl phenyl ether	17.23	248	124668	47.66 ug/mL	98
51) Hexachlorobenzene	17.36	284	169705	48.68 ug/mL	97
52) Pentachlorophenol	17.72	266	66984	38.05 ug/mL	98
53) Phenanthrene	18.15	178	548718	44.66 ug/mL	100
54) Anthracene	18.25	178	548630	43.75 ug/mL	99
55) Carbazole	18.54	167	550815	48.10 ug/mL	99
56) Di-n-butyl phthalate	19.17	149	850762	52.32 ug/mL	100
57) Fluoranthene	20.41	202	549675	44.66 ug/mL	97
59) Pyrene	20.86	202	567046	42.01 ug/mL	96
61) Butyl benzyl phthalate	22.03	149	379811	46.96 ug/mL	97
62) 3,3'-Dichlorobenzidine	23.04	252	97377	20.94 ug/mL	100
63) Benzo[a]anthracene	23.12	228	493222	41.41 ug/mL	99
64) bis(2-Ethylhexyl)phthalate	23.09	149	533489	46.77 ug/mL	97
65) Chrysene	23.19	228	498662	45.04 ug/mL	99
66) Di-n-octyl phthalate	24.26	149	892861	44.44 ug/mL	100
67) Indeno[1,2,3-cd]pyrene	28.68	276	290929	23.20 ug/mL	99
69) Benzo[b]fluoranthene	25.12	252	428731	43.77 ug/mL	100
70) Benzo[k]fluoranthene	25.18	252	456952	49.11 ug/mL	98
71) Benzo[a]pyrene	25.82	252	384929	43.24 ug/mL	99
72) Dibenz[a,h]anthracene	28.71	278	255320	30.48 ug/mL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0032.D Vial: 14
Acq On : 17 Oct 2008 18:28 Operator: MEG
Sample : 0810110-002BMSD Inst : #5MS26
Misc : MSD ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) Benzo[g,h,i]perylene	29.29	276	209178	25.45	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0032.D NO14OL42.M Mon Oct 20 09:25:05 2008 Pa

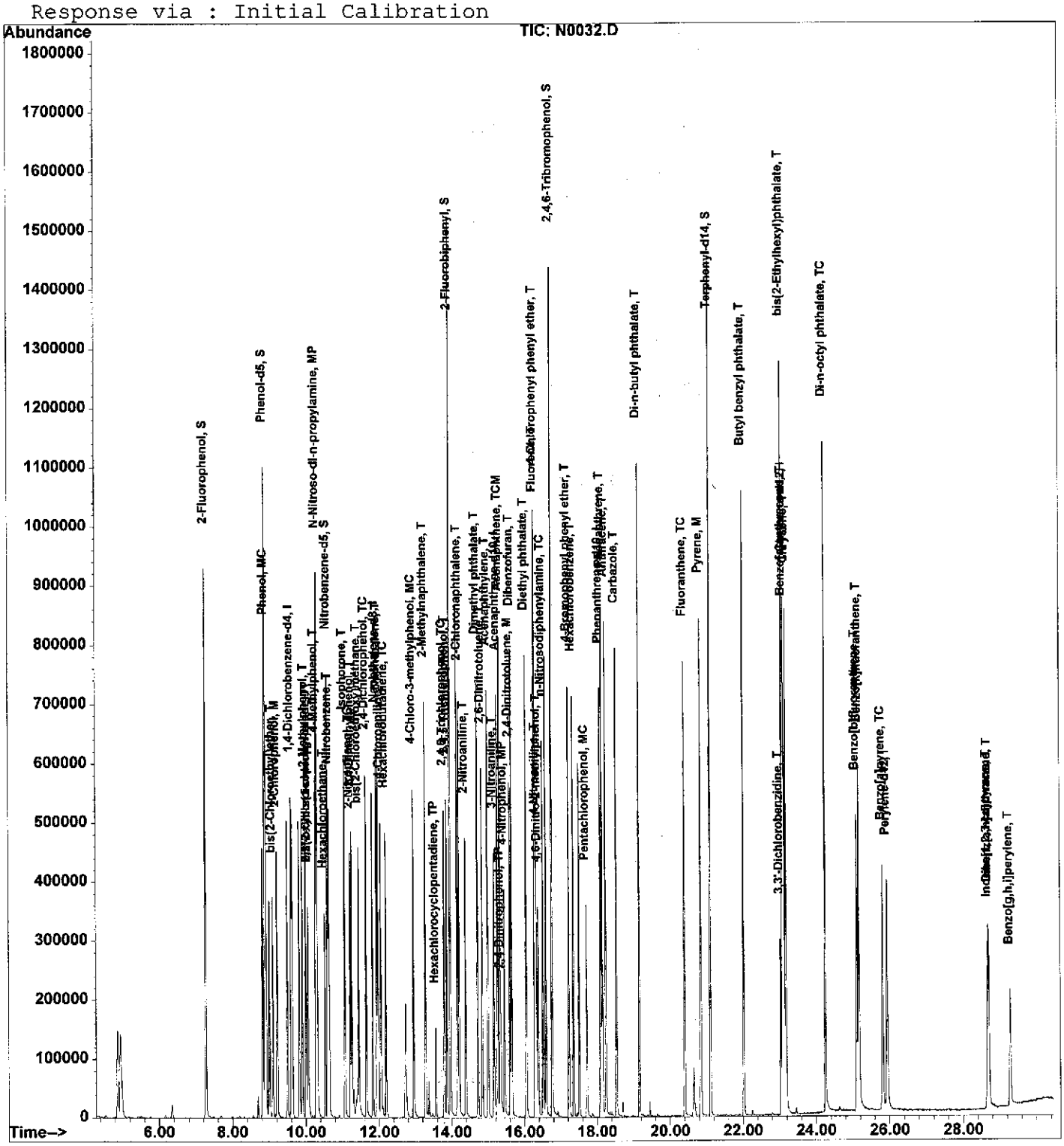
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0032.D
Acq On : 17 Oct 2008 18:28
Sample : 0810110-002BMSD
Misc : MSD ,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:18 2008

Vial: 14
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0032.D Vial: 14
Acq On : 17 Oct 2008 18:28 Operator: MEG
Sample : 0810110-002BMSD Inst : #5MS26
Misc : MSD ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

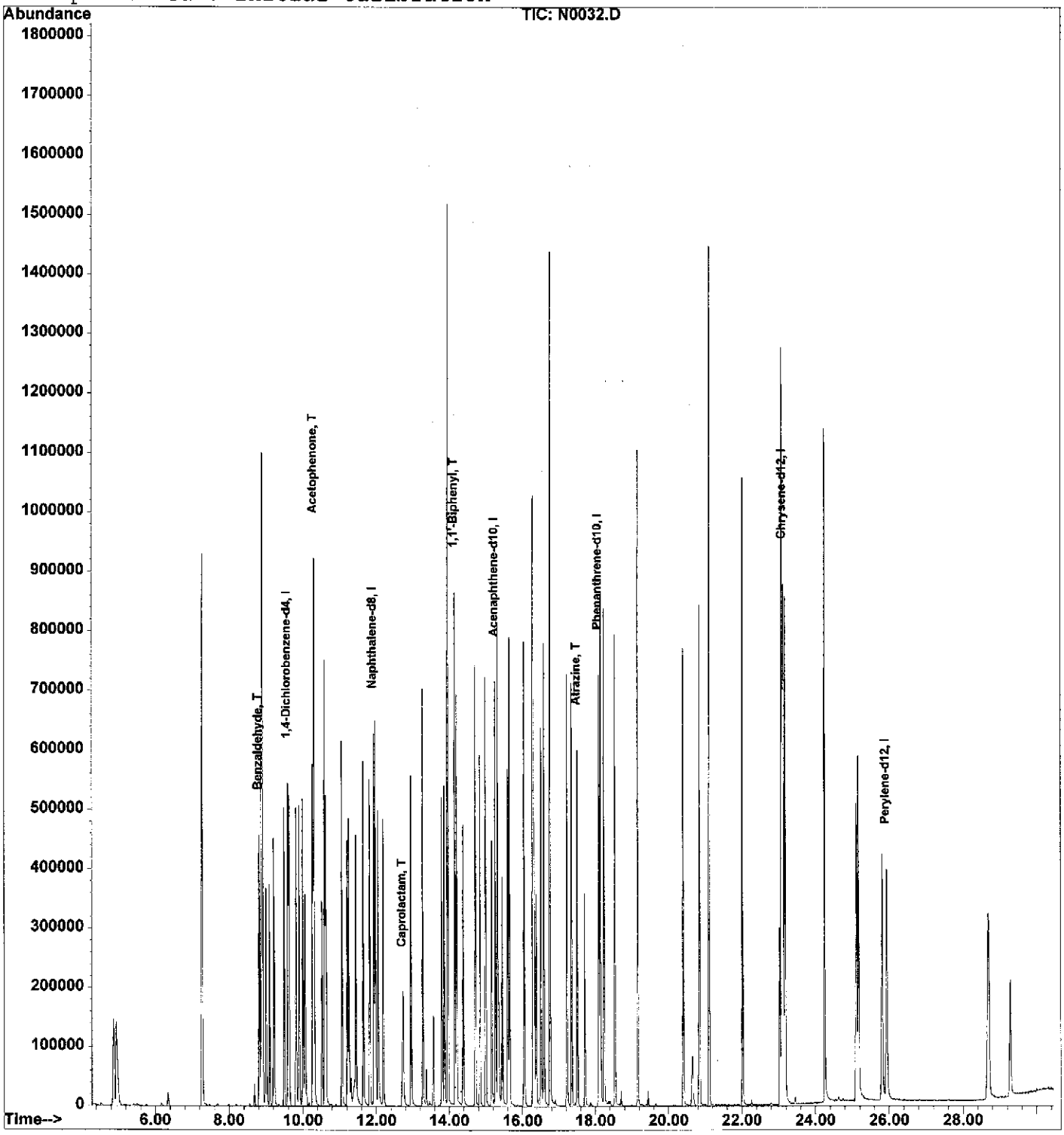
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.60	152	133898	40.00	ug/mL	0.00
5) Naphthalene-d8	11.95	136	452299	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	275630	40.00	ug/mL	0.00
11) Phenanthrene-d10	18.11	188	491076	40.00	ug/mL	0.00
14) Chrysene-d12	23.14	240	442031	40.00	ug/mL	0.02
15) Perylene-d12	25.94	264	360550	40.00	ug/mL	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Benzaldehyde	8.83	77	157369	41.39	ug/mL	97
4) Acetophenone	10.32	105	228469	40.50	ug/mL	99
6) Caprolactam	12.74	55	65796	48.41	ug/mL	93
8) 1,1'-Biphenyl	14.16	154	410560	47.78	ug/mL	100
12) Atrazine	17.52	200	103174	46.02	ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0032.D NO14OLM.M Mon Oct 20 09:40:02 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0032.D Vial: 14
Acq On : 17 Oct 2008 18:28 Operator: MEG
Sample : 0810110-002BMSD Inst : #5MS26
Misc : MSD ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Laboratory Control Sample

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: LCS-8267	SampType: LCS	TestCode: 8270W_OLM	Units: µg/L	Prep Date: 10/15/2008	RunNo: 15208		
Client ID: ZZZZZ	Batch ID: 8267	Method: SW8270C	(SW3520C)	Analysis Date: 10/17/2008	SeqNo: 397632		
Instrument: MS05_26	ColumnID: DB-5MS	ZB-5, 0.5 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	47.9	10	50	0	96	30	130				
2,4,5-Trichlorophenol	36.4	50	50	0	73	60	125				J
2,4,6-Trichlorophenol	41.7	10	50	0	83	60	125				
2,4-Dichlorophenol	41.0	10	50	0	82	60	125				
2,4-Dimethylphenol	39.1	10	50	0	78	42	125				
2,4-Dinitrophenol	29.4	50	50	0	59	25	138				J
2,4-Dinitrotoluene	44.6	10	50	0	89	60	129				
2,6-Dinitrotoluene	45.3	10	50	0	91	60	127				
2-Chloronaphthalene	36.7	10	50	0	73	53	125				
2-Chlorophenol	45.7	10	50	0	91	53	125				
2-Methylnaphthalene	31.5	10	50	0	63	42	125				
2-Methylphenol	37.5	10	50	0	75	56	125				
2-Nitroaniline	41.5	50	50	0	83	60	138				J
2-Nitrophenol	40.6	10	50	0	81	57	125				
3,3'-Dichlorobenzidine	28.7	20	50	0	57	25	128				
3-Nitroaniline	41.9	50	50	0	84	55	144				J
4,6-Dinitro-2-methylphenol	41.3	10	50	0	83	57	125				
4-Bromophenyl phenyl ether	40.1	10	50	0	80	57	135				
4-Chloro-3-methylphenol	42.0	10	50	0	84	60	125				
4-Chloroaniline	36.6	10	50	0	73	39	139				
4-Chlorophenyl phenyl ether	37.7	10	50	0	75	54	128				
4-Methylphenol	38.7	10	50	0	77	51	125				
4-Nitroaniline	41.2	50	50	0	82	52	150				J
4-Nitrophenol	49.2	50	50	0	98	55	144				J
Acenaphthene	37.8	10	50	0	76	58	125				
Acenaphthylene	38.0	10	50	0	76	57	125				
Acetophenone	46.1	10	50	0	92	30	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

616 : *20-Oct-08*

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: LCS-8267	SampType: LCS	TestCode: 8270W_OLM	Units: µg/L	Prep Date: 10/15/2008	RunNo: 15208
Client ID: ZZZZZ	Batch ID: 8267	Method: SW8270C	(SW3520C)	Analysis Date: 10/17/2008	SeqNo: 397632
Instrument: MS05_26	ColumnID: DB-5MS	ZB-5, 0.5 df			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	38.7	10	50	0	77	60	125				
Atrazine	48.2	10	50	0	96	30	130				
Benzaldehyde	48.2	10	50	0	96	30	130				
Benzo[a]anthracene	38.5	10	50	0	77	60	125				
Benzo[a]pyrene	39.2	10	50	0	78	56	131				
Benzo[b]fluoranthene	37.4	10	50	0	75	56	134				
Benzo[g,h,i]perylene	41.5	10	50	0	83	44	144				
Benzo[k]fluoranthene	40.2	10	50	0	80	56	133				
bis(2-Chloroethoxy)methane	44.6	10	50	0	89	58	125				
bis(2-chloroethyl)ether	44.2	10	50	0	88	48	126				
bis(2-chloroisopropyl)ether	51.1	10	50	0	102	33	131				
bis(2-Ethylhexyl)phthalate	42.4	10	50	0	85	60	148				
Butyl benzyl phthalate	42.1	10	50	0	84	58	146				
Caprolactam	61.0	10	50	0	122	30	130				
Carbazole	44.5	10	50	0	89	57	146				
Chrysene	40.3	10	50	0	81	59	128				
Di-n-butyl phthalate	45.0	10	50	0	90	58	146				
Di-n-octyl phthalate	41.7	10	50	0	83	58	149				
Dibenz[a,h]anthracene	40.8	10	50	0	82	44	150				
Dibenzofuran	32.0	10	50	0	64	50	126				
Diethyl phthalate	47.1	10	50	0	94	56	147				
Dimethyl phthalate	47.7	10	50	0	95	60	129				
Fluoranthene	39.6	10	50	0	79	60	128				
Fluorene	37.2	10	50	0	74	59	125				
Hexachlorobenzene	40.8	10	50	0	82	60	134				
Hexachlorobutadiene	25.8	10	50	0	52	25	125				
Hexachlorocyclopentadiene	25.4	10	50	0	51	25	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

617 : *20-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8270C

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-8267** SampType: **LCS** TestCode: **8270W_OLM** Units: **µg/L** Prep Date: **10/15/2008** RunNo: **15208**

Client ID: **ZZZZZ** Batch ID: **8267** Method: **SW8270C (SW3520C)** Analysis Date: **10/17/2008** SeqNo: **397632**

Instrument: **MS05_26** ColumnID: **DB-5MS ZB-5, 0.5 df**

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	28.6	10	50	0	57	25	125				
Indeno[1,2,3-cd]pyrene	40.8	10	50	0	82	48	141				
Isophorone	45.5	10	50	0	91	60	125				
N-Nitroso-di-n-propylamine	47.3	10	50	0	95	55	134				
N-Nitrosodiphenylamine	41.7	10	50	0	83	54	136				
Naphthalene	36.1	10	50	0	72	48	125				
Nitrobenzene	45.4	10	50	0	91	60	125				
Pentachlorophenol	36.7	50	50	0	73	44	128				J
Phenanthrene	39.1	10	50	0	78	60	125				
Phenol	42.7	10	50	0	85	51	125				
Pyrene	37.7	10	50	0	75	59	130				
Surr: 2,4,6-Tribromophenol	161	0.10	150	0	108	46	149				
Surr: 2-Fluorobiphenyl	84.4	0.10	100	0	84	42	130				
Surr: 2-Fluorophenol	133	0.10	150	0	89	26	130				
Surr: Nitrobenzene-d5	89.1	0.10	100	0	89	42	130				
Surr: Phenol-d5	136	0.10	150	0	91	21	134				
Surr: Terphenyl-d14	98.8	0.10	100	0	99	24	147				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

618 : *20-Oct-08*

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0023.D Vial: 5
Acq On : 17 Oct 2008 12:38 Operator: MEG
Sample : LCS-8267 Inst : #5MS26
Misc : LCS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	171450	40.00	ug/mL	0.00
13) Naphthalene-d8	11.94	136	607592	40.00	ug/mL	0.00
26) Acenaphthene-d10	15.27	164	350121	40.00	ug/mL	0.00
47) Phenanthrene-d10	18.10	188	615388	40.00	ug/mL	0.00
58) Chrysene-d12	23.13	240	562625	40.00	ug/mL	0.00
68) Perylene-d12	25.95	264	585232	40.00	ug/mL	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	7.27	112	629825	133.18	ug/mL	0.01
Spiked Amount 150.000			Recovery = 88.79%			
3) Phenol-d5	8.89	99	882340	136.34	ug/mL	0.01
Spiked Amount 150.000			Recovery = 90.89%			
14) Nitrobenzene-d5	10.61	82	623359	89.11	ug/mL	0.01
Spiked Amount 100.000			Recovery = 89.11%			
30) 2-Fluorobiphenyl	13.97	172	917268	84.38	ug/mL	0.00
Spiked Amount 100.000			Recovery = 84.38%			
46) 2,4,6-Tribromophenol	16.77	330	392504	161.46	ug/mL	0.01
Spiked Amount 150.000			Recovery = 107.64%			
60) Terphenyl-d14	21.12	244	997595	98.80	ug/mL	0.01
Spiked Amount 100.000			Recovery = 98.80%			
Target Compounds						Qvalue
4) Phenol	8.91	94	327238	42.71	ug/mL	86
5) bis(2-Chloroethyl)ether	9.10	93	267870	44.24	ug/mL	94
6) 2-Chlorophenol	9.22	128	242317	45.72	ug/mL	99
7) 2-Methylphenol	10.00	108	210359	37.52	ug/mL	99
8) 2,2'-oxybis(1-chloropropan	10.06	45	342729	51.09	ug/mL	96
9) bis(2-Chloroisopropyl)ethe	10.06	45	342729	51.09	ug/mL	96
10) 4-Methylphenol	10.27	108	230769	38.72	ug/mL	99
11) N-Nitroso-di-n-propylamine	10.30	70	203769	47.30	ug/mL	95
12) Hexachloroethane	10.53	117	76299	28.65	ug/mL	92
15) Nitrobenzene	10.64	77	332445	45.38	ug/mL	99
16) Isophorone	11.07	82	602412	45.54	ug/mL	100
17) 2-Nitrophenol	11.22	139	143386	40.60	ug/mL	98
18) 2,4-Dimethylphenol	11.26	107	227969	39.08	ug/mL	97
19) bis(2-Chloroethoxy)methane	11.45	93	337381	44.59	ug/mL	99
20) 2,4-Dichlorophenol	11.65	162	214234	41.02	ug/mL	98
21) Naphthalene	11.98	128	530636	36.06	ug/mL	100
22) 4-Chloroaniline	12.06	127	286562	36.62	ug/mL	99
23) Hexachlorobutadiene	12.20	225	82826	25.77	ug/mL	98
24) 4-Chloro-3-methylphenol	12.95	107	221203	42.02	ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0023.D Vial: 5
Acq On : 17 Oct 2008 12:38 Operator: MEG
Sample : LCS-8267 Inst : #5MS26
Misc : LCS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Methylnaphthalene	13.28	142	371403	31.53 ug/mL	99
27) Hexachlorocyclopentadiene	13.57	237	78423	25.43 ug/mL	99
28) 2,4,6-Trichlorophenol	13.80	196	138762	41.70 ug/mL	98
29) 2,4,5-Trichlorophenol	13.87	196	147838	36.38 ug/mL	99
31) 2-Chloronaphthalene	14.21	162	367503	36.74 ug/mL	99
32) 2-Nitroaniline	14.38	65	170481	41.47 ug/mL	96
33) Dimethyl phthalate	14.72	163	604353	47.68 ug/mL	99
34) 2,6-Dinitrotoluene	14.84	165	145014	45.30 ug/mL	96
35) Acenaphthylene	15.00	152	603641	38.05 ug/mL	100
36) 3-Nitroaniline	15.17	138	151699	41.89 ug/mL	99
37) Acenaphthene	15.33	153	357026	37.76 ug/mL	99
38) 2,4-Dinitrophenol	15.36	184	48241	29.35 ug/mL#	1
39) 4-Nitrophenol	15.44	109	82668	49.22 ug/mL	99
40) 2,4-Dinitrotoluene	15.61	165	180294	44.58 ug/mL	94
41) Dibenzofuran	15.65	168	545588	32.03 ug/mL	97
42) Diethyl phthalate	16.06	149	585731	47.10 ug/mL	98
43) 4-Chlorophenyl phenyl ethe	16.29	204	200419	37.68 ug/mL	95
44) Fluorene	16.31	166	431005	37.18 ug/mL	98
45) 4-Nitroaniline	16.34	138	149383	41.23 ug/mL	87
48) 4,6-Dinitro-2-methylphenol	16.39	198	101681	41.27 ug/mL	94
49) n-Nitrosodiphenylamine	16.52	169	330066	41.69 ug/mL	98
50) 4-Bromophenyl phenyl ether	17.23	248	131419	40.09 ug/mL	97
51) Hexachlorobenzene	17.36	284	178268	40.81 ug/mL	97
52) Pentachlorophenol	17.71	266	80920	36.68 ug/mL	97
53) Phenanthrene	18.15	178	602353	39.12 ug/mL	100
54) Anthracene	18.24	178	608843	38.74 ug/mL	99
55) Carbazole	18.54	167	638691	44.51 ug/mL	99
56) Di-n-butyl phthalate	19.16	149	917815	45.04 ug/mL	100
57) Fluoranthene	20.41	202	611539	39.65 ug/mL	97
59) Pyrene	20.85	202	647279	37.67 ug/mL	98
61) Butyl benzyl phthalate	22.02	149	433360	42.09 ug/mL	98
62) 3,3'-Dichlorobenzidine	23.04	252	170106	28.73 ug/mL	99
63) Benzo[a]anthracene	23.11	228	583307	38.48 ug/mL	100
64) bis(2-Ethylhexyl)phthalate	23.08	149	616052	42.43 ug/mL	97
65) Chrysene	23.19	228	568098	40.31 ug/mL	99
66) Di-n-octyl phthalate	24.25	149	1065588	41.67 ug/mL	100
67) Indeno[1,2,3-cd]pyrene	28.68	276	650637	40.76 ug/mL	98
69) Benzo[b]fluoranthene	25.11	252	594015	37.36 ug/mL	99
70) Benzo[k]fluoranthene	25.17	252	607953	40.25 ug/mL	100
71) Benzo[a]pyrene	25.82	252	565707	39.15 ug/mL	99
72) Dibenz[a,h]anthracene	28.71	278	554124	40.75 ug/mL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0023.D Vial: 5
Acq On : 17 Oct 2008 12:38 Operator: MEG
Sample : LCS-8267 Inst : #5MS26
Misc : LCS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

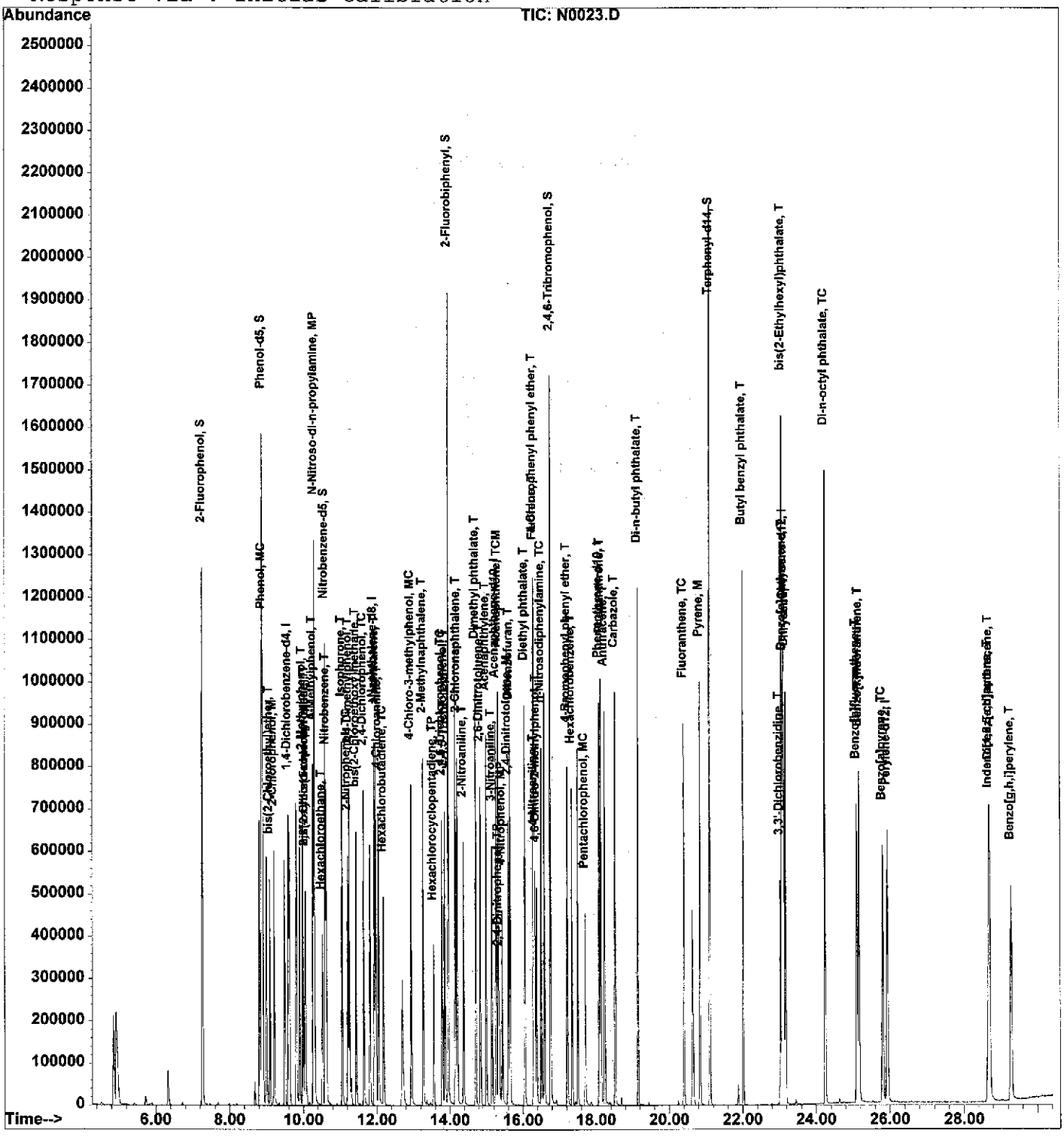
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
73) Benzo[g,h,i]perylene	29.29	276	554109	41.53 ug/mL	99

(#) = qualifier out of range (m) = manual integration
N0023.D NO14OL42.M Mon Oct 20 09:24:47 2008 Pa

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0023.D Vial: 5
Acq On : 17 Oct 2008 12:38 Operator: MEG
Sample : LCS-8267 Inst : #5MS26
Misc : LCS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:17 2008 Quant Results File: NO14OL42.RES

Method : C:\HPCHEM\1\METHODS\NO14OL42.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:16:37 2008
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N0023.D Vial: 5
Acq On : 17 Oct 2008 12:38 Operator: MEG
Sample : LCS-8267 Inst : #5MS26
Misc : LCS ,8270W_OLM42, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008 Quant Results File: NO14OLM.RES

Quant Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration
DataAcq Meth : NO14FULL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	171450	40.00	ug/mL	0.00
5) Naphthalene-d8	11.94	136	607592	40.00	ug/mL	0.00
7) Acenaphthene-d10	15.27	164	350121	40.00	ug/mL	0.01
11) Phenanthrene-d10	18.10	188	615388	40.00	ug/mL	0.00
14) Chrysene-d12	23.13	240	562625	40.00	ug/mL	0.01
15) Perylene-d12	25.95	264	585232	40.00	ug/mL	0.01

System Monitoring Compounds

Target Compounds						Qvalue
2) Benzaldehyde	8.82	77	234846	48.24	ug/mL	98
4) Acetophenone	10.31	105	332976	46.10	ug/mL	98
6) Caprolactam	12.71	55	111416	61.02	ug/mL	99
8) 1,1'-Biphenyl	14.16	154	522386	47.86	ug/mL	100
12) Atrazine	17.52	200	135289	48.15	ug/mL	98

(#) = qualifier out of range (m) = manual integration
N0023.D NO14OLM.M Mon Oct 20 09:39:56 2008 Pa

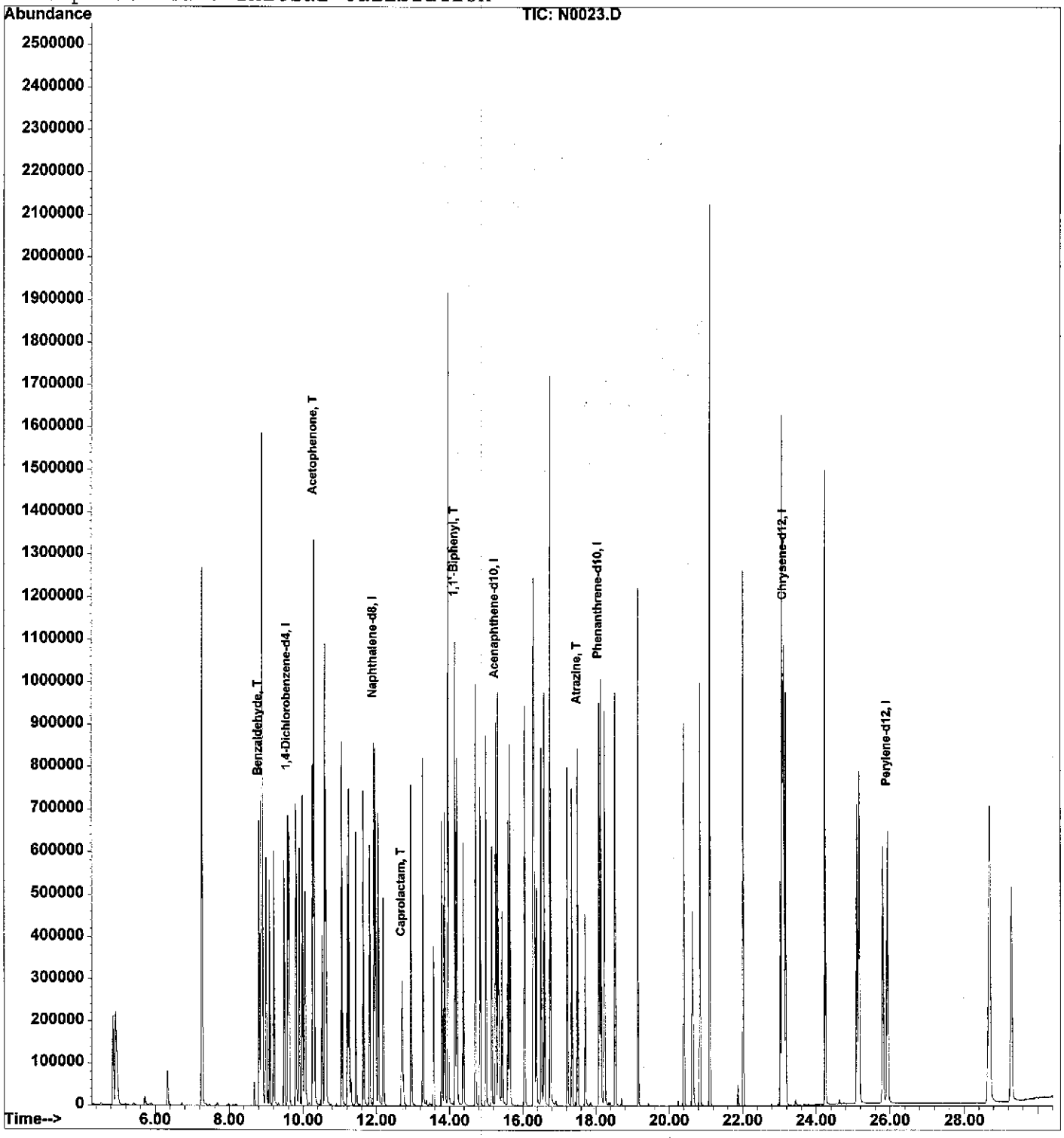
Quantitation Report

Data File : C:\HPCHEM\1\DATA\N0023.D
Acq On : 17 Oct 2008 12:38
Sample : LCS-8267
Misc : LCS ,8270W_OLM42,
MS Integration Params: RTEINT.P
Quant Time: Oct 20 9:36 2008

Vial: 5
Operator: MEG
Inst : #5MS26
Multiplr: 1.00

Quant Results File: NO14OLM.RES

Method : C:\HPCHEM\1\METHODS\NO14OLM.M (RTE Integrator)
Title : BNA's w/J&W DB-5MS .25mm x 30m 0.5df
Last Update : Mon Oct 20 09:35:54 2008
Response via : Initial Calibration



Laboratory Worksheets

Copy of Calculations

GC/MS WATER SAMPLE CALCULATIONS

1. Relative Response Factors for GC/MS Volatiles and Semivolatiles

$$RRF = \frac{A_x}{A_{is}} \times \frac{C_{is}}{C_x}$$

Where: A_x = Area of the characteristic ion for the compound to be measured
A_{is} = Area of the characteristic ion for the specific internal standard
C_{is} = Concentration of the internal standard (µg/mL)
C_x = Concentration of the compound to be measured (µg/mL).

2. Relative Standard Deviation

$$\% \text{ RSD} = \frac{SD}{\overline{X}} \times 100$$

Where: RSD = Relative Standard Deviation
SD = Standard Deviation of initial relative response factors (per compound)
$\overline{X}$ = Mean of initial relative response factors (per compound)

3. %Deviation for Continuing Calibration (for quantitation from RF only)

$$\% \text{ Deviation}_{(8000B)} = \frac{RRF_c - \overline{RRF_i}}{\overline{RRF_i}} \times 100$$

$$\% \text{ Deviation}_{(software)} = \frac{\overline{RRF_i} - RRF_c}{\overline{RRF_i}} \times 100$$

Where: RRF_c = Relative response factor from continuing calibration standard
$\overline{RRF_i}$ = Mean relative response factor from most recent initial calibration meeting technical acceptance criteria

4. %Drift for Continuing Calibration (for quantitation from Curve)

$$\% \text{ Drift}_{(8000B)} = \frac{C_c - C_i}{C_i} \times 100$$

$$\% \text{ Drift}_{(software)} = \frac{C_i - C_c}{C_i} \times 100$$

Where: C_i = Calibration check std concentration (theoretical)
C_c = Measured concentration

5. RRT Deviation

$$\Delta \text{ RRT} = RRT_s - RRT_c \text{ , } RRT - \frac{RT_i}{RT_i}$$

Where: RRT_s = Relative RT of target compound in sample
RRT_c = RRT of target in continuing calibration standard
RT_t = RT of target compound
RT_i = RT of internal standard

6. Final Concentration for GC/MS Volatiles

$$\text{Concentration } (\mu g/L) = \frac{(A_X)(I_{is})Df}{(A_{is})(RRF)(V_o)}$$

Where:
A_X = Area of the characteristic ion for the compound to be measured
A_{is} = Area of the characteristic ion for the specified internal standard
I_{is} = Amount of internal standard added in nanograms
V_o = Volume of water purged (5 to 25 mL)
RRF = Response factor for compound to be measured (average or single point) *
Df = Dilution factor, if applicable

* For compounds calculated using a regression equation for initial calibration, the terms of the equation replace the RRF.

7. Final Concentration for GC/MS Semivolatiles

$$\text{Concentration } (\mu g/L) = \frac{(A_x)(I_{is})(V_T)(Df)(2.0)}{(A_{is})(RRF)(V_o)(V_I)}$$

Where:
RRF, A_x, A_{is}, I_{is} = Same as above
V_o = Volume of water extracted (mL)
V_I = Volume of extract injected (µL)
V_T = Volume of concentrated extract (µL)
Df = Dilution factor
The factor of 2.0 is used to account for the splitting of extracts for the acid and base neutral portions. If only one extraction is performed, this factor is not used.

8. Matrix Spike Recovery for Volatiles and Semivolatiles

$$\text{Recovery } (\%) = \frac{(SSR) - (SR)}{(SA)} \times 100$$

Where:
SSR = Spike sample result
SR = Sample result
SA = Spike added

9. % RPD of Matrix Spike and Matrix Spike Duplicate

$$\%RPD = 100 \times \frac{|S - D|}{((S + D)/2)}$$

Where:
S = First Sample Value (Original)
D = Second Sample Value (Duplicate)

10. The Recovery of Reference Sample (LCS) and Surrogate

$$\text{Recovery } (\%) - \frac{SR}{SA} \times 100$$

Where:
SR = Sample results
SA = Sample spike added

11. The calculation of Library Search compounds (TICs) is similar to target compounds except a RRF of 1.0 is assumed.

Extraction Logs

Life Science Laboratories, Inc.

PREP BATCH REPORT

Prep Start Date: **10/15/2008 2:00:00**
Prep End Date: **10/17/2008 11:30:0**

Prep Batch **8267** Prep Code: **3520W_8270W** Technician: **Gisella M. Stalloch**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0810110-001B	Water	7	1000	0	0	1	0.001	10/15/2008	10/17/2008
0810110-002B	Water	7	970	0	0	1	0.001	10/15/2008	10/17/2008
0810110-002BMS	Water	7	970	0	0	1	0.001	10/15/2008	10/17/2008
0810110-002BMSD	Water	7	970	0	0	1	0.001	10/15/2008	10/17/2008
0810110-003B	Water	7	1000	0	0	1	0.001	10/15/2008	10/17/2008
0810110-004B	Water	7	1000	0	0	1	0.001	10/15/2008	10/17/2008
0810110-005B	Water	7	970	0	0	1	0.001	10/15/2008	10/17/2008
LCS-8267	Aqueous	7	1000	0	0	1	0.001	10/15/2008	10/17/2008
MB-8267	Aqueous	7	1000	0	0	1	0.001	10/15/2008	10/17/2008
MSB-8267	Aqueous	7	1000	0	0	1	0.001	10/15/2008	10/17/2008

* CTR 10-15-08

GCMS Semivolatile Sample Extraction Log - Water by continuous Method SW3520

Date Extracted: 10-15-08 QC Batch #: 8267 Log Review By/Date: MH 10/17/08

Client Name/Project	Sample ID	Test Code	QC Level	Init pH	Sample Size (ml)	pH AE	pH BN	Target E.V. mL	Final Extract Vol (ml)	Post Clean-up	Comments
—	MB-82607	8270D_Ltm	6	7	1000	12	>11	1.0	1.0	1.0	1)
↓	LCS-8267										2)
↓	LCSD-8267 MSB										↓
Beardsley	0810110-001B			7	1000						
	-002B				970						
	-002BMS										2)
	-002BMSD										↓
	-003B				1000						4)
	-004B										
	-005B				970						

CTR 10-17-08

Extracted By/Date: H. Stallard 10/15/08 Extracts in Fridge # 6A By/Date: C. Renfro 10-17-08

Concentrated By/Date: C. Renfro 10-17-08 Supervisor Review/Date: [illegible] 10-29-08 Page _____

G:\Logbooks 2006\Organic Prep\SVOA22p1.xls

rcvd 10-16-08

SOP # 300-15

QC Batch #: 82267

Reagents Used	
$NaSO_4$	100508A G20609
1:1 H_2SO_4	081408C
10N NaOH	100508A

Solvent	Lot/ID #
$MeCl_2$	G27400
—	—
—	—
—	—

Comments:

1) Surrogate: 1000 uL of 100/150 ug/mL of BNA surrogate standard # 2013

2) Spike: 500 ul of 100 ug/ml of LCS Soln # 2014
500 ul of 100 ppm OCM 4.2 Soln # 2016

Surrogate/Spike by GS witnessed by MD

3) Cleanups:

4) Sample turned green upon addition of base

5)

6)

Log Review By/Date: MD 10/1-/08

Supervisor Review/Date: MD 10-29-08

Continuous Extracto

Time On: 14:00

Time Off: 9:00

Time On: 14:30

Time Off: 8:40

Injection Logs

Semi-Volatile GC/MS Injection Log

Instrument :	MS5/ HP5972 (26)
GC Column	ZB-5 or DB-5MS
	0.25 x 30 m, 0.5 df
	(or equivalent)
* Init Cal Date 1:	10/14/08
+Init Cal Date 2:	

	Client No.	Client Name
1		QA/QC
2		
3		
4		
5		

	Client No.	Sample ID (Work Order-Samp#)	Method/ID File	Inj. Vol.	Method	List	Data File Number	Data File Date	Data File Time	Dil. Factor	I.S. No.
1		TD1014085	DFTPP.m	1uL	8270	-	N 9923	10/14/08	0826	-	-
2		SSTD160ppm	NOV4FAM			FAM	N 9924		0847		1970
3		120					N 9925		0925		
4		080					N 9926		1004		
5		060					N 9927		1042		
6		040					N 9928	29 *	1158		
7		020					N 9929	30	1237		
8		010					N 9930	31	1215		
9		005					N 9931	32	1353		
10		050					N 9932	28 *	1120		
11		CCV					N 9933		1431		
12		2SRC-101408					N 9934		1509		
13		SSTD160ppm	OLM NOV04M			OLM	N 9935		1547		
14		120					N 9936		1626		
15		080					N 9937		1704		
16		050					N 9938		1742		
17		040					N 9939		1820		
18		020					N 9940		1858		
19		010					N 9941		1937		
20		005					N 9942		2015		
21		-					N				
22		-					N				
23		-					N				
24		-					N				
25		-					N				
26		-					N				
27		-					N				
28		-					N				
29		-					N				

Comments: Folder 10/15/08

Method	Source	Date	SOP = AP #300
(1) 625	Fed Register, Vol. 49, No. 209	10/26/84	–33
(3) TCLP	8270C w/ 1311 (AP #400-39)	12/96	–12A/400-39
(4) 8270C	USEPA SW846, Upd. III	12/96	–12A
(5) EPA CLP	USEPA CLP SOW OLM04.3	8/03	–41
(6) DEC ASP	USEPA CLP SOW OLM04.3	8/03	–41

Samples Set By: TMark Mc

10-29-08
Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Semi-Volatile GC/MS Injection Log (Page 2 of 2)

Pre-run maintenance
- __ Replace septa
- ✓ Replace insert, seal
- ✓ Prune column
- __ Replace Helium
- __ See Maint. log
- __ Other:

Internal Std Limits (% of CCV / ICAL area)

84659	284615	171031	307599	267532	279150	Upper Limit
						Lower Limit

Internal Standard Area Counts

Int. Std. #1	Int. Std. #2	Int. Std. #3	Int. Std. #4	Int. Std. #5	Int. Std. #6	Matrix Water	Matrix Soil	Batch No.	Comments	
—	—	—	—	—	—				Y (SVC) 2027	1
160759	536078	319572	572218	477434	499331				Y 2028	2
156094	522056	321825	579368	485423	512160				Y 2029	3
169590	575680	345674	632347	551114	577480				Y 2030	4
158210	528225	319476	588067	501905	529370				Y 2031	5
156941	534978	312778	565272	497177	518724				Y 2033	6
159574	538843	322476	565829	495897	523811				Y 2034	7
162662	539401	315419	559215	492901	498096				Y 2035	8
179589	614106	362221	636115	537261	556420				Y 2036	9
169318	589230	342062	615099	535065	538301				Y 2037	10
162392	560596	325215	559122	493640	482085				Y 2037	11
154532	527828	314772	558755	487571	500761				Y 2038	12
177267	588962	340090	577064	515246	498201				Y 2039	13
161782	547577	313237	542788	481576	474181				Y 2040	14
174753	585284	338938	583020	514670	509879				Y 2041	15
172716	589446	340231	592680	523485	507978				Y 2042	16
162634	553276	321236	555443	495665	478542				Y 2043	17
160912	546490	317835	544439	482057	461992				Y 2044	18
177266	598835	343409	602025	520659	512582				Y 2045	19
159534	540463	310623	539420	478465	460896				Y 2046	20
										21
										22
										23
										24
										25
										26
										27
										28
										29

I.S. #1= 1,4-Dichlorobenzene-d4
I.S. #2= Naphthalene-d8
I.S. #3= Acenapthene-d10
I.S. #4= Phenanthrene-d10
I.S. #5= Chrysene-d12
I.S. #6= Perylene-d12

Data Processed by: Mark Lee

Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Semi-Volatile GC/MS Injection Log

Instrument : MS5/ HP5972 (26)
GC Column ZB-5 or DB-5MS
0.25 x 30 m, 0.5 df
(or equivalent)
* Init Cal Date 1: 10/14/08
+Init Cal Date 2:

	Client No.	Client Name
1		QA/QC
2	[redacted]	[redacted]
3	Baum MFG	Beardsley
4	[redacted]	[redacted]
5		

	Client No.	Sample ID (Work Order-Samp#)	Method/ID File	Inj. Vol.	Method	List	Data File Number	Data File Date	Data File Time	Dil. Factor	I.S. No.
1	1)	TD1017-08A5	DFTPP1UL	1UL	8270	-	N 0019	10/17/08	1023	-	
2		CC1017-08A5	NO14FUL			FUL	N 0020		1043	-	1970
3		CC101-708BS	SOUNDHAM			4.2	N 0021		1121	-	
4	3)	LCS-8267	NO14004Ham				N 0023		1238	1X	
5		MB -					N 0022		1159		
6		LCSD-MSD					N 0024		1316		
7	2)	081002-003B					N 0025		1394		
8		- 004B					N 0026		1432		
9		- 005B					N 0027		1517		
10		081075-001B					N 0028		1553		
11	3)	081011B-001B					N 0029		1633		
12		- 002B					N 0030		1711		
13		- 002BMS					N 0031		1750		
14		- 002BMSD					N 0032		1828		
15		- 003B					N 0033		1906		
16		- 004B					N 0034		1945		
17		- 005B					N 0035		2023		
18	4	081094-001A(R)	NO14HSL			HSL	N 0036		2101	10X	
19		-					N				
20		-					N				
21		-					N				
22		-					N				
23		-					N				
24		-					N				
25		-					N				
26		-					N				
27		-					N				
28		-					N				
29		-					N				

Comments:

Method	Source	Date	SOP = AF #300
(1) 625	Fed Register, Vol. 49, No. 209	10/26/84	-33
(3) TCLP	8270C w/ 1311 (AP #400-SB)	12/96	-12A/400-39
(4) 8270C	USEPA SW846, Upd. III	12/96	-12A
(5) EPA CLP	USEPA CLP SOW OLM04.3	8/03	-41
(6) DEC ASP	USEPA CLP SOW OLM04.3	8/03	-41

Samples Set By: Mark Sanders

Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Semi-Volatile GC/MS Injection Log (Page 2 of 2)

Pre-run maintenance
- ___ Replace septa
- ✓ Replace insert, seal
- ___ Prune column
- ___ Replace Helium
- ___ See Maint. log
- ___ Other:

Internal Std Limits (% of CCV / ICAL area)

						Upper Limit
				284217	303416	Lower Limit

Internal Standard Area Counts

Int. Std. #1	Int. Std. #2	Int. Std. #3	Int. Std. #4	Int. Std. #5	Int. Std. #6	Matrix Water	Matrix Soil	Batch No.	Comments	
—	—	—	—	—	—				✓ (96K) 2017	1
179993	620338	362404	626535	588434	607833				✓ 2032	2
179036	610757	350795	609660	594974	566452				✓ 2042	3
171450	607592	350121	615388	562625	585232	✓		8267	✓	4
156428	530756	308088	538926	474602	473408	✓		↓	✓	5
169532	590763	333962	586691	542641	535732	✓		↓	✓	6
176131	621411	366975	623663	586632	558477		✓	8244	✓	7
174535	620981	362084	612215	472454	564765		✓	↓	✓	8
177920	645279	370270	638916	490427	558611		✓	↓	✓	9
187243	648103	381197	653023	517637	585801		✓	↓	✓	10
166966	601241	350070	599082	426575	530217	✓		8267	✓	11
150365	579247	309836	541571	430973	351610	✓		↓	✓	12
147628	571288	305794	546567	442845	369111	✓		↓	✓	13
133898	452299	275630	491076	442031	360530	✓		↓	✓	14
144560	506978	298808	485311	*293758	*131870	✓		↓	✓C IS, I6L	15
144321	490413	295178	477778	*293485	*132963	✓		↓	✓C ↓	16
124348	432694	256592	424311	*286904	*131774	✓		↓	✓C ↓	17
138077	472587	287290	500523	402702	319512		✓	8270	C RIX	18
										19
										20
										21
										22
										23
										24
										25
										26
										27
										28
										29

I.S. #1= 1,4-Dichlorobenzene-d4
I.S. #2= Naphthalene-d8
I.S. #3= Acenapthene-d10
I.S. #4= Phenanthrene-d10
I.S. #5= Chrysene-d12
I.S. #6= Perylene-d12

Data Processed by: Mark Sheridan

Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Semi-Volatile GC/MS Injection Log

Instrument: MS5/ HP5972 (26)
GC Column ZB-5 or DB-5MS
0.25 x 30 m, 0.5 df
(or equivalent)
* Init Cal Date 1: 10/14/08
+Init Cal Date 2:

	Client No.	Client Name
1		QA/QC
2	[redacted]	[redacted]
3	[redacted]	[redacted]
4	Brown MFG	Beardsley
5	[redacted]	[redacted]

	Client No.	Sample ID (Work Order-Samp#)	Method/ID File	Inj. Vol.	Method	List	Data File Number	Data File Date	Data File Time	Dil. Factor	I.S. No.
1	1)	TD1020084S	DFTPPLC	1uL	8270		N0037	10/20/08	0808		
2		CC1020084S	N014FULL			FULL	N0038		0827	-	1970
3		CC1020085BSM	N014ULM				N0039		0905	-	
4		LCS-8270	N014FULL				N0040		0943	1X	
5		LCSD-8270/MSB	↓				N0041		1022		
6	2)	0810099-001A	N014BSL			BSL	N0042		1100		
7		↓ - 002A	↓			↓	N0043		1138		
8	1)	MB-8270	N014FULL			FULL	N0044		1216		
9	3)	0810127-001B	↓		625	PAH	N0045		1254	↓	
10	4)	0810110-003B	(DL) N014U42um		8270	4,2	N0046		1333	10X	
11		- 004B	↓			↓	N0047		1411		
12		↓ - 005B	↓				N0048		1449		
13	2)	0810099-002A	(DL) N014HSL			HSL	N0049		1527	↓	
14	5)	0810053-001B	N014U42um			42	N0050		1605	25X	
15		- 001BMS	↓				N0051		1643		
16		- 001BSD					N0052		1721		
17		- 002B					N0053		1759		
18		- 003B					N0054		1837		
19		- 004B					N0055		1916		
20		↓ - 005B	↓			↓	N0056		1954	↓	
21	3)	MB-8280	N014FULL		625	PAH	N0057		2033	1X	
22		LCS-8280			↓	↓	N0058		2111	↓	
23		LCSD 8280					N0059	↓	2149		
24	6)	0809117-001D	*N014FULX*	↓			N0060		2228	25X	
25		-					N				
26		-					N				
27		-					N				
28		-					N				
29		-					N				

Comments: #6) [redacted] * N014FULX includes a 1.0 ppm STD For The Calibration Curve *

Method	Source	Date	SOP = AP #300
(1) 625	Fed Register, Vol. 49, No. 209	10/26/84	–33
(3) TCLP	8270C w/ 1311 (AP #400-39)	12/96	–12A/400-39
(4) 8270C	USEPA SW846, Upd. III	12/96	–12A
(5) EPA CLP	USEPA CLP SOW OLM04.3	8/03	–41
(6) DEC ASP	USEPA CLP SOW OLM04.3	8/03	–41

Samples Set By: [signature]

Supervisor Review: [signature]

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Semi-Volatile GC/MS Injection Log (Page 2 of 2)

Pre-run maintenance
__ Replace septa
✓ Replace insert, seal
__ Prune column
__ Replace Helium
__ See Maint. log
__ Other:

Internal Std Limits (% of CCV / ICAL area)

						Upper Limit
						Lower Limit

Internal Standard Area Counts

Int. Std. #1	Int. Std. #2	Int. Std. #3	Int. Std. #4	Int. Std. #5	Int. Std. #6	Matrix Water	Matrix Soil	Batch No.	Comments	
—	—	—	—	—	—				✓ (72k) 2027	1
160273	341103	321129	560608	526781	537878				✓ 2032	2
159837	560339	319329	559979	497777	505323				✓ 2042	3
150760	340113	312109	563179	521079	544897		✓	8270	✓	4
147365	524673	298440	542667	495881	522458		✓	↓	✓	5
191869	682708	406059	658054	347287	141223		✓		✓ IGL	6
160792	578129	338875	566529	349017	461946		✓		✓ IGL	7
190048	659530	396747	683672	561341	377831		✓	↓	✓	8
167637	587396	344437	609214	488270	333329	✓		8280	✓	9
182322	647402	380597	668426	493821	315785	✓		8267	✓	10
174405	593599	347912	605646	476365	331081	✓		↓	✓	11
168943	602174	356995	610440	489812	345258	✓		↓	✓	12
155448	548571	324386	562331	454457	326967		✓	8270	✓ C	13
162568	564544	331794	575114	464512	334637		✓	↓	✓ R10X	14
164490	577503	343650	580439	477332	340466		✓	↓	✓	15
161893	595223	350057	603798	478136	328296		✓	↓	N	16
161806	559596	327919	~~577919~~	452518	300192		✓	↓	N	17
164996	580786	336906	562380	463685	332335		✓	↓	✓ C R2X	18
164986	606714	352876	602302	474717	341221		✓	↓	✓ C	19
169139	597460	346087	583746	467522	313256		✓	↓	✓ C	20
175487	598627	355218	615735	488219	346094	✓		8280	✓	21
168794	571520	340275	590288	487766	331310	✓		↓	✓	22
151977	539319	311877	552548	462153	317478	✓		↓	✓	23
162329	560643	332167	562686	443883	327093	✓		8123	✓	24
										25
										26
										27
										28
										29

I.S. #1= 1,4-Dichlorobenzene-d4
I.S. #2= Naphthalene-d8
I.S. #3= Acenapthene-d10
I.S. #4= Phenanthrene-d10
I.S. #5= Chrysene-d12
I.S. #6= Perylene-d12

Data Processed by: Mark Shank

Supervisor Review:

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, E. Syracuse NY, 13057

Standards Log

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1804	3-27-08	4-27-08	SSTD 160 ppm OLM	1000.0	DCM E40400	1mL	160 ppm	1803 / 160 ppm / 5-22-08	MG
1805			120 ppm	750.0			120		
1806			80 ppm	500.0			80	1804 / 4-27-08	
1807			50	312.0			50	1803 / 5-22-08	
1808			40	500.0			40	1806 / 80 ppm / 4-27-08	
1809			20				20	1808 / 40 ppm /	
1810			10				10	1809 / 20 ppm /	
1811			5				5	1810 / 10 ppm /	
1812	3-31-08	4-25-08	OLM 4.2	—	MeOH: C38E01	50 mL			MG
			Acetophenone	500 µl			100 ppm	1339 / 10000 ppm / 4-25-08	
			Atrazine	610 µl				1738 / 8200 ppm / 1-23-09	
			Benzaldehyde	427 µl				1338 / 11700 ppm / 4-25-08	
			Biphenyl	641 µl				1534 / 7800 ppm / 9-4-08	
			Caprolactam	526 µl				1650 / 9500 ppm / 12-3-08	
1813	4-2-08	10-2-08	LCS Soln	—	MeOH: C38E01	50 mL			MG
			Phenols Mix	2500 µl			100 ppm	1627 / 2000 ppm / 12-16-09	
			Benzidine Mix	2500 µl				1628 / 2000 ppm / 12-16-09	
			625 Base/Neutral Mix	2500 µl				1629 / 2000 ppm / 12-16-09	
			8270 BNA Add-ons	2500 µl				1630 / 2000 ppm / 12-16-09	
			PAH's	2500 µl				1631 / 2000 ppm / 12-16-09	
							MG 4-2-08		

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1814	4-2-08	4-2-09	p-Terphenyl d14	2.903	DCM: E40400	10 mL	5800 ppm	1632 / neat / 5-11	
				2.845					
				.058g					
1815	4/4/08	8/27/08	Sim Cal STD						
			PAH soln	400 µl	DCM E40400	5mL	160ppm	1726 / 2000 ppm / 12-16-09	MG
			2-Methylnaphthalene	101 µl				1521 / 7,900 ppm / 8-27-08	
			2-chloronaphthalene	53 µl				1523 / 15,800 ppm /	
			Dibenzofuran	78 µl				1522 / 10,300 ppm /	
			Terphenyl-d14	137 µl				1814 / 5800ppm / 4-2-09	
			Decafluorobiphenyl	51 µl				1520 / 15,600 ppm / 8-27-08	
1816	4/4/08	5/4/08	SSD 080 ppm SIM	500 µl	DCM E40400	1mL	80 ppm	1815 / 160ppm / 8/27/08	MG
1817			060	3750 µl			60 ppm		
1818			040	500 µl			40 ppm	1816 / 80ppm / 5/4/08	
1819			020				20 ppm	1818 / 40ppm /	
1820			010				10 ppm	1819 / 20ppm /	
1821			001	100 µl			1.0 ppm	1820 / 10ppm	
1822			0002	200 µl			0.2 ppm	1821 / 1ppm	
1823			0001	500 µl			0.1 ppm	1822 / 0.2ppm	
1824			00005				0.05 ppm	1823 / 0.1ppm	
				Sum 4-4-08					

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1825	4-4-07	5-4-07	ICV - 040408 SIM		DCM E40400	1mL	10 ppm		MG
			PAH Surr	5ul				1631 / 2000 ppm / 12-16 09	
			2-Methylnaphthalene	1.0 ul				1559 / 10,000 ppm / 9-17-08	
			2-chloronaphthalene	0.54 ul				1558 / 18,200 ppm / 9-17-08	
			Dibenco furan	1.06 ul				1560 / 9400 ppm / 9-17-08	
1826	4-7-08	5-7-08	ICV 040708		DCME40400	1mL	50 ppm		MG
			Phenols	25ul				1627 / 2000 ppm / 12-16 09	
			Benzidines					1628 /	
			625's					1629 /	
			8270's					1630 /	
			PAHS					1631 /	
1827	4-14-08	4-14-09	IntStd	cracked	SVI021	1mL	4000 ppm	1642 / 4000 ppm / x 6 (2ml) 10	MG
1828	↓	↓	↓	↓	↓	↓	↓	↓	↓
1829									
1830	4-21-08	10-21-08	BNA Surr.	—	meoH:	200 mL			IG
			2-Fluorobiphenyl	1665 µl			100 ppm	1643 / 12010 ppm / 11-30-08	
			Nitrobenzene	2296 µl				1644 / 8710 ppm / 11-30-08	
			Terphenyl - d14	3448 µl				1814 / 5800 ppm / 4-2-09	
			Phenol - d6	2027 µl			150 ppm	1648 / 14800 ppm / 12-3-08	
			2-Fluorophenol	2402 µl				1656 / 12490 ppm / 12-11-08	
			2,4,6-Tribromophenol	3584 µl				1645 / 8370 ppm / 11-30-08	
						IG	4-21-08		

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Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1831	4/22/08	5/22/08	DFTPP/UL	50 uL	DCM E40400	1 mL	50 ppm	1454	1000 ppm	6-28-08	MG
1832	4/30/08	5/20/08	50 ppm STD	312 uL	DCM E40400	1 mL	50 ppm	1764	160 ppm	6/12/08	MG
1833	4/30/08	5/22/08	50 ppm ORM STD	312 uL	DCM E40400	1 mL	50 ppm	1832	160 ppm	5/22/08	MG
1834	4/30/08	4/30/09	DFTPP STOCK SOLN	cracked	—	1 x 1 mL	1000 ppm	1431	1000 ppm	7/09	MG
1835	4/30/08	5/30/08	DFTPP 1/2	50 uL	DCM E40400	1 mL	50 mL	1834	1000 ppm	4/30/09	MG
1836	4/30/08	5/22/08	Misc 625 STD								MG
			Octadecane	167 uL	DCM E40400	5 mL	160 ppm	1381	4,800 ppm	5/22/08	"
			N-Decane	89 uL	↓	↓	↓	1382	9,000 ppm	5/22/08	
1837	4/30/08	5/22/08	160 ppm STD 625 misc	1000 uL	DCM E40400	1 mL	160 ppm	1836	160 ppm	5/22/08	MG
1838	↓	↓	50 ppm	312 uL	↓	↓	50 ppm	↓	↓	↓	MG
1839	↓	↓	10 ppm	100 uL	↓	500 uL	10 ppm	1838	50 ppm	5/22/08	MG
1840	5/6/08	5/6/09	1,4-Dioxane	50.234	DCM E40400	10 mL	10,200 ppm	1686	neat	8/10	
1841	5/6/08	11/6/08	1,4-Dioxane (Prep)	50.132							
↓				.102 g							
↓			→	98 uL	MeOH (5%EE)	10 mL	100 ppm	1840	10,200 ppm	5/6/09	MG
1842	5/9/08	5/9/09	Int Standard	Received	SVE022	1 x 5 mL	4000 ppm	ECS	4000 ppm	12/2010	MG
1843	5/15/08	5/15/09	phenol d6	2.8863 g	DCM E40400	10 mL	19,300 ppm	Chems 1375	neat	4/11	MG
				3.056							
				.193 g							
1844	5/15/08	5/15/09	Caprolactam (CAL)	43.242	DCM E40400	10 mL	11,400 ppm	1341	neat	1/12	MG
				43.128							
				.114 g							

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. / Conc (ppm) / Exp Date	Prep'd By
1845	5/15/08	5/15/09	1,1'-Biphenyl	43.236	DCME40400	10 mL	10,700ppm	1343 / neat / 10/11	MG
				43.129					
				.107g					
1846	5/15/08	5/15/09	Acetophenone	48.728	DCME40400	10mL	9,200ppm	1332 / neat / 10/10	MG
				48.636					
				.092g					
1847	5/15/08	11/15/08	BNA CAL surrogate		DCM E40400				
			Nitrobenzene	459uL		5mL	800ppm	1644 / 8710 ppm / 11/30/08	MG
			2-Fluorobiphenyl	333uL				1643 / 12,010 ppm / ↓	
			Terphenyl-d14	690uL				1814 / 5,800 ppm / 4/2/09	
			2-Fluorophenol	320uL				1656 / 12,490 ppm / 12/11/08	
			2,4,6-Tribromophenol	478uL				1645 / 8,370 ppm / 11/30/08	
			phenol-d6	207uL				1843 / 19,300ppm / 5/15/09	
1848	5/15/08	11/15/08	BNA CAL STD						
			cal surr	1000uL	DCME40400	5mL	160ppm	1847 / 800 ppm / 11/15/08	MG
			phenols	400uL				1722 / 2000 ppm / 12/16/08	
			Benzidines					1723	
			625's					1724	
			8270's					1725	
			PAH					1726	
			1,4-Dioxane	30.1uL			64ppm	1752 / 10,600 ppm / 8/10	
								Jnlt 5/15/08	

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1849	5/15/08	11/15/08	OLM CAL STD		DCM E8400	5mL	160ppm		MG
			1,1'-Biphenyl	75 µl				1845/ 10,700ppm/ 5/15/09	
			Caprolactam	70 µl				1844/ 11,400 ppm/	
			Acetophenone	87 µl				1846/ 9,200ppm/	
			Benzaldehyde	102 µl				1727/ 7,800ppm/ 10/31/08	
			Atrazine	78 µl				1663/ 10,200 ppm/ 12/3/08	
			PTE	68 µl				1046/ 11,700ppm/ 11/16/08	
			PXE	72 µl				1043/ 11,100ppm/ 11/16/08	
1850	5/19/08	5/19/09	Acetophenone	43.248 g	DCM: E42400	10 mL	12300 ppm	1332/ neat/ 10-10	MG
				43.125					
				.123 g					
1851	5/19/08	*10/31/08 ~~5/19/09~~	Benzaldehyde	43.214 g	DCM: E42400	10 mL	8600 ppm	1283 / neat / 10-08	MG
				43.128					
				.086g					
1852	5-19-08	*9-4-08 ~~10-31-08~~	OLM 4.2	—	MeOH: C38E01	50mL			
			Acetophenone	407 µl			100 ppm	1850/ 12300 ppm/ 5-19-09	MG
			Atrazine	610 µl				1738/ 8200 ppm/ 1-23-09	
			Benzaldehyde	581 µl				1851/ 8600 ppm/ 10-31-08	
			Biphenyl	641 µl				1534/ 7800 ppm/ 9-4-08	
			Caprolactam	526 µl				1650/ 9500 ppm/ 12-3-08	
								5/20/08	

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1853	5/20/08	6/20/08	SSTD 160 ppm	1000 uL	DLM E42400	1.0 mL	160 ppm	1848 / 160 ppm / 11/15/08	MG
1854			120	750 uL			120	1848 / ↓	
1855			080	500 uL			80	1853 / 160 ppm / 6/20/08	
1856			060	↓			60	1854 / 120 ppm / ↓	
1857			050	312 uL			50	1848 / 160 ppm / 11/15/08	
1858			040	500 uL			40	1855 / 80 ppm / 6/20/08	
1859			020	↓			20	1858 / 40 ppm /	
1860			010				10	1859 / 20 ppm /	
1861			005	↓		↓	5	1860 / 10 ppm /	
1862	↓	↓	001	100 uL	↓	500 uL	1	1861 / 5 ppm /	↓
1863	5/20/08	6/20/08	ICV - 2SRC						
			PAH's	25 uL	DLM E42400	1.0 mL	50 ppm	1631 / 2000 ppm / 12-16-09	MG
			Phenols	↓			↓	1627 /	
			Benzidines					1628 /	
			1025's					1629 /	
			8270's	↓			↓	1630 / ↓	

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1864	5/20/08	6/20/08	55TD 160 ppm OLM4	1000 µl	DCM E42400	1.0mL	160 ppm	1849 / 160 ppm / 11/15/08	MG
1865			120	750 µl			120	↓	
1866			080	500 µl			80	1864 / 160 ppm / 6/20/08	
1867			050	312 µl			50	1849 / ↓ / 11/15/08	
1868			040	500 µl			40	1866 / 80 ppm / 6/20/08	
1869			020				20	1868 / 40 ppm /	
1870			010				10	1869 / 20 ppm /	
1871			005	↓	↓	↓	5	1870 / 10 ppm / ↓	↓
1872	5/22/08	11/22/08	BNA Surrogate (Prep)		Neat	100 mL			MG
			Nitrobenzene-d5	1,148 µl			100 ppm	1644 / 8710 ppm / 113008	
			2-Fluorobiphenyl	832 µl			↓	1643 / 12010 ppm / 113008	
			terphenyl-d14	1,724 µl			↓	1814 / 5800 ppm / 4-2-09	
			2-Fluorophenol	1,201 µl			150 ppm	1656 / 12,490 ppm / 12-4-08	
			Phenol-d6	777 µl			↓	1843 / 19,300 ppm / 5-15-09	
			2,4,6-Tribromophenol	1,792 µl			↓	1645 / 8370 ppm / 11-30-08	
1873	5/28/08	4/2011	Phenol-d6	Received	-	-	Neat	chems / neat / 381-32B	MG
1874	6/2/08	7/2/08	DFTPP 1uL	50 µl	DCM E42400	1mL	50 ppm	1834 / 1000 ppm / 4/30/09	MG

MG 6/2/08

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Conc (ppm)	Exp Date	Prep'd By
1875	6/2/08	12/2/08	BNA LCS Sol'n		MeOH C38E01						MG
			Phenols	2500 µl		50mL	100ppm	1627	2000ppm	12-16-09	
			Benzidines					1628			
			625's					1629			
			8270's					1630			
			PAH's					1631			
1876	6/2/08	11/09	Benzaldehyde	Received	-	5g	neat	Chemservice	neat	11/09	MG
1877	6/4/08	8/27/08	Sim Surrogate		MeOH C38E01	10mL					MG
			Decafluorobiphenyl	64 µl			100ppm	1520	15,600ppm	8/27/08	
			Terphenyl-d14	172 µl				1814	5,800ppm	4/2/09	
1878	6/10/08	11/30/08	8 BNA Surrogate (Prep)		MeOH C38E01						
			Nitrobenzene-d5	1,148 µl		100mL	100ppm	1644	8710ppm	11-30-08	MG
			2-Fluorobiphenyl	832 µl				1643	12,010ppm		
			Terphenyl-d14	1,724 µl				1814	5800ppm	4-2-09	
			2-Fluorophenol	1,201 µl			150ppm	1656	12,490ppm	12-11-09	
			Phenol-d6	777 µl				1843	19,300ppm	5-15-09	
			2,4,6-Tribromophenol	1,792 µl				1645	8370ppm	11-30-08	
1879	6/11/08	4/2011	Phenol-d6	received	-	-	neat	Chems	neat	381-32B	MG

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1880	6/13/08	7/6/08	SSTD 080 ppm SIM	500 µl	DCM E42400	1 mL	80 ppm	1815	160 ppm	8/27/08	MG
1881			060	375 µl			60 ppm	↓			
1882			040	500 µl			40	1880	80 ppm	7/6/08	
1883			020	↓			20	1882	40 ppm		
1884			010	↓			10	1883	20 ppm		
1885			001	100 µl			1.0	1884	10 ppm		
1886			0002	500 µl			0.2	1885	1.0 ppm		
1887			0001	↓			0.1	1886	0.2		
1888			00005	↓	↓	↓	60 0.05	1887	0.1		↓
1889	6/16/08	7/06/08	SIMS ICV								
			~~phenols~~					~~1700~~	~~2000 ppm~~	~~12/15/09~~	~~MG~~
			~~Benzidines~~					~~1701~~		6/6/08	
			~~GC's~~					1702			
			~~SVOA's~~					~~1703~~			
			PAH's	5 µl				1704		↓	
			2-chloronaphthalene	0.54 µl				1558	18,500 ppm	9/7/08	
			2-methylnaphthalene	1.0 µl				1559	10,000 ppm	↓	
			Dibenzofuran	1.06 µl				1560	9,400 ppm	↓	
1890	6/23/08	7/23/08	50 ppm STD	312 µl	DCM E42400	1 mL	50 ppm	1848	160 ppm	11/15/08	MG
1891	6/23/08	7/23/08	50 ppm STD OLM	312 µl	↓	↓	↓	1849	160 ppm	11/15/08	MG
							6/23/08				

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1892	6/23/08	6/23/09	IS A	–	–	1mL	4000ppm	1842	4000ppm	12/2010	MG
1893	↓	↓	IS B	–	–	↓	↓	↓	↓	↓	↓
1894	↓	↓	IS C	–	–	↓	↓	↓	↓	↓	↓
1895	6/24/08	7/24/08	DFTPP IC	50 µl	DCM E42400	1mL	50 ppm	1834	1000 ppm	4/20/09	MG
1896	6/24/08	11/16/08	PTE/PXE LCS SOLN			10mL					MG
↓	↓	↓	PTE	105 µl	MeOH	↓	100ppm	1199	9,500 ppm	11-16-08	↓
↓	↓	↓	PXE	94 µl	C38E01	↓	↓	1241	10,600 ppm	↓	↓
1897	6/26/08	6/26/09	p-Terphenyl d14 (or Terphenyl)	2.989g	DCM E42400	10 mL	5300ppm	1632	neat	5-11	CM
↓	↓	↓	↓	2.936	↓	↓	↓	↓	↓	↓	↓
↓	↓	↓	↓	0.053	↓	↓	↓	↓	↓	↓	↓
1898	6/27/08	6/25/2011	OBG PAH ISTD/SM Mix	1x5mL	–	5mL	2000ppm	ECS	2000 ppm	6-25-2011	MG
1899	6/27/08	12/16/09	Phenols Mix	1x5mL	–	5mL	2000ppm	ECS	2000 ppm	12-16-09	
1900	6/27/08	↓	Benzidines								
1901	6/27/08		625's								
1902	6/27/08		8270's								
1903	6/27/08	↓	DAHS								↓
1904	6/30/08	11-30-08	BNA Surrogate Soln		MeOH	100mL					
			2-Fluorophenol	1,201 µl	C38E01		150ppm	1652	12,490 ppm	12-11-08	MG
			2,4,6-Tribromophenol	1,792 µl			↓	1645	8,370 ppm	11-30-08	
			Phenol-d6	777 µl				1843	19,300 ppm	5-15-09	
			Nitro Benzene-d5	1,148 µl			100ppm	1644	8,710 ppm	11-30-08	
			2-Fluorobiphenyl	833 µl			↓	1643	12,010 ppm	↓	
			Terphenyl-d14	1,887 µl			↓	1897	5,300 ppm	6-26-09	

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1905	7/7/08	8/7/08	SSTD 160 ppm	1000 µl	DCM E424100	1 mL	160 ppm	1848 / 160 ppm / 11/5/08	MG
1906			120	750 µl			120	↓	
1907			080	500 µl			80	1905 / ↓ / 8/7/08	
1908			060	↓			60	1906 / 120 ppm / ↓	
1909			050	312 µl			50	1848 / 160 ppm / 11/5/08	
1910			040	500 µl			40	1907 / 80 ppm / 8/7/08	
1911			020				20	1910 / 40 ppm /	
1912			010				10	1911 / 20 ppm /	
1913			005	↓			5	1912 / 10 ppm /	
1914			001	100 µl			1	1913 / 5 ppm /	
1915	7/7/08	8/7/08	ICV 25RC 070708						MG
			phenols	25 µl	DCM E424100	1 mL	50 ppm	1700 / 2000 ppm / 12/6/08	1
			Benzidines					1701 /	
			625's					1702 /	
			8270's					1703 /	
			PAH's	↓				1704 /	
			SSTD 160 ppm ccm						
			120						
			080						
			050						
			040						
			020						

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1916	7/7/08	8/7/08	SSTD 160 ppm ea	1000 µl	DCM E42400	1 mL	160 ppm	1849 / 160 ppm / 11/15/08	MG
1917			120 ppm	750 µl			120	↓	
1918			080	500 µl			80	1916 / ↓ / 8/7/08	
1919			060	312 µl			60	1849 / ↓ / 11/15/08	
1920			040	500 µl			40	1918 / 80 ppm / 8/7/08	
1921			020				20	1920 / 40 ppm /	
1922			010				10	1924 / 20 ppm /	
1923			005				5	1922 / 10 ppm /	
1924	7/7/08	12/2010	INT STD	received	-	5 mL	4000 ppm	ECS / SVI022 / 12/2010	MG
1925	7/14/08	11/16/08	PTE/PXE LCS' 50x10		MeOH	10 mL	100 ppm		MG
			PTE	105 µl	C38E01			1199 / 9,500 / 11-16-08	
			PXE	94 µl		↓		1241 / 10600 / ↓	↓
1926	7/14/08	~~11/30/08~~	BNA Surrogate			100mL			MG
		11/30/08	2-Fluorobiphenyl	832	MeOH		100 ppm	1643 / 12,010 ppm / 11-30-08	
			Nitrobenzene-d5	1,148 µl	C38E01		↓	1644 / 8710 ppm / 11-30-08	
			P-Terphenyl-d14	1,887				1897 / 5300 / 6-26-09	
			2-Fluorophenol	1,201 µl			150 ppm	1656 / 12,490 ppm / 12-1-08	
			2,4,6-Tribromophenol	1,792			↓	1645 / 8370 ppm / 11-30-08	
			Phenol-d6	774 µl		↓	↓	1843 / 19,300 ppm / 5/15/09	
1927	7/16/08	1/2/09	2,4 dimethylphenol	243 uL	MeOH C38E01	25 mL	100 ppm	1684 / 10300 ppm / 1/2/09	MR
1928	7/28/08	8/28/08	DFTPP lcc	50 µl	DCM E42400	1 mL	50 ppm	1834 / 1000 ppm / x 4/30/09	MG
1929	7/31/08	8/27/08	SSTD 010 ppm SIM	62.5 µl	DCM E42400	1 mL	10 ppm	1815 / 160 ppm / x 8/27/08	MG

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1928X3C	7/30/08	7/30/09	IS SIM	Cocktail	—	1mL	2000ppm	1898	2000ppm	6/25/11	MG
1931	↓	↓	↓	↓	↓	↓	↓	↓			↓
1932	↓	↓	↓	↓	↓	↓	↓	↓			
1933	8/8/08	9/8/08	50ppm STD	312µl	DCM E42400	1ml	50 ppm	1848	1600ppm	11/15/08	MG
1934	8/10/08	2/10/09	LCS Soln								
	↓	↓	Phenols Mix	2500mL	MeOH with	50 mL	100 ppm	1700	2000 ppm	12/16/09	Cm
			Benzidine Mix	↓	↓	↓	↓	1701	↓	↓	↓
			625 Base/Neutral Mix					1702			
			8270 BNA Add-ons					1703			
	↓	↓	PAHs	↓	↓	↓	↓	1704	↓	↓	
1935	8/10/08	11/30/08	BNA Surr Soln								
			2-Fluorophenol	400	MeOH with	50mL	100 ppm	1656	12490 ppm	12/11/08	
			2,4,6-Tribromophenol	597		↓	↓	1645	8370 ppm	11/30/08	
			phenol-d6	259				1843	19300 ppm	5/15/09	
			2-Fluorobiphenyl	624			150 ppm	1643	12010 ppm	11/30/08	
			Nitrobenzene	661			↓	1644	870 ppm	11/30/08	
			Terphenyl	1415		↓		1647	5300 ppm	6/26/09	
1936	8/11/08	8/11/09	Benzaldehyde (CAL)	51.011	DCM E42400	10mL	12,300ppm	1876	Neat	11-31-09	MG
				50.888							
				.123g							
			~~8/11/08~~								

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
1937	8/11/08	8/11/09	n-Decane	52.350	DCM E42400	10mL	7,700	6077 / Neat / —	
				52.273					
				.077					
1938	8/11/08	8/11/09	Octadecane	43.270	DCM	10mL	13,000	6076 / Neat / —	
				43.140	E42400				
				.130					
1939	8/11/08	11/15/08	BNA CAL STD		DCM E42400	5mL			
			Cal SUB	1000 µl			160 ppm	~~1444~~ 1847 / 8000ppm / 11-15-08	MG
			Phenols	400 µl				1722 / 2000ppm / 12/16/08	
			Benzidines					1723 /	
			625's					1724 /	
			8270's					1725 /	
			PAH's	↓			↓	1726 / ↓	
			1,4-Dioxane	30.1 µl			64 ppm	1752 / 10,000ppm / ~~8/10~~ 11/3/09	
1940	8/11/08	12/11/08	OLM CAL STD		E42400	5mL			
			1,1'-Biphenyl	75 µl			1600 ppm	1845 / 10,700 / 5/15/09	
			Caprolactam	70 µl				1844 / 11,400 / ↓	
			Acetophenone	87 µl				1846 / 9,200 /	
			Benzaldehyde	~~102 µl~~ 65 µl				1936 / 12,300 / 8/11/09	
			Atrazine	78 µl				1663 / 10,200 ppm / 12/13/08	
			PTE	68 µl				1041C / 11,700 / 11/16/08	
			PXE	72 µl				1043 ~~#~~ / 11,100 ppm / ↓	

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1941	8/12/08	9/12/08	DFTPP IVC	50 uL	DCMB12408	1 mL	50 ppm	1834	1000 ppm	4/30/09	MG
1942	8/12/08	9/12/08	SSTD 160 ppm	1000 uL			160 ppm	1939	160 ppm	11/5/08	MG
1943			120	750 uL			120	↓			
1944			080	500 uL			80	1942	↓	9/12/08	
1945			060	↓			60	1943	120 ppm	↓	
1946			050	312 uL			50	1939	160 ppm	11/5/08	
1947			040	500 uL			40	1944	80 ppm	9/12/08	
1948			020	↓			20	1947	40 ppm	↓	
1949			010				10	1948	20 ppm		
1950			005	↓			5	1949	10 ppm		
1951	↓	↓	001	100 uL	↓	↓	1	1950	5 ppm	↓	↓
1952	8/12/08	9/12/08	2 SRC-081208		DCMB12408	1 mL	50 ppm				
			Phenols	25 uL				1700	2000 ppm	12/16/09	MG
			Benzidines	↓				1701	↓	↓	
			625's					1702			
			8270's					1703			
			PAH's	↓				1704	↓	↓	
					TM	8/12/08					

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GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1953	8/13/08	9/13/08	SSTD 160 ppm ea cmpd	1000 µl	DCM E424400	1 mL	160 ppm	1940	160 ppm	12-13-08	MG
1954			120	750 µl			120	↓			
1955			080	500 µl			80	1953	↓	9-13-08	
1956			~~060~~ 050	312 µl			50	1940	160 ppm	12-13-08	
1957			040	500 µl			40	1955	80 ppm	8-13-08	
1958			020	↓			20	1957	40 ppm	↓	
1959			010				10	1958	20 ppm		
1960	↓	↓	005	↓	↓	↓	5	1959	10 ppm	↓	↓
1961	8/13/08	2/12/08	625 misc CAL Soln		DCM E424400						
			n-Decane	~~203 µl~~ ~~101 µl~~		~~5 mL~~ 10 mL	160 ppm	1937	7,700 ppm	8/14/08	MG
			Octadecane	123 µl		↓	↓	1938	13,000 ppm	8/14/08	
1962	8/14/08	9/14/08	SSTD 1600 ppm 625M	1000 µl	DCM E424400	1 mL	160 ppm	1961	160 ppm	2/12/08	
1963	↓	↓	50 ppm 625M	312 µl	↓	↓	50 ppm	↓			
1964	↓	↓	↓ 10 ppm 625M S	100 µl	↓	.5 mL	10 ppm	1963	50 ppm	9/14/08	
1965	8/15/08	2/14/09	BNA Surr Soln		Mecat C38 E01						MG
			Nitrobenzene d5	~~574 µl~~	1148 µl	~~50 mL~~ 100 mL	100 ppm	1644	8710 ppm	11/30/08	
			2-Fluorobiphenyl	~~416 µl~~	816 µl	↓	↓	1643	12010 ppm	↓	
			Terphenyl-d14	~~943 µl~~	1887 µl	↓	↓	1897	5300 ppm	6/26/09	
			Phenol-d6	~~388 µl~~	777 µl	↓	150 ppm	1843	19,300 ppm	5/15/09	
			2-Fluorophenol	~~600 µl~~	1200 µl	↓	↓	1656	12,490 ppm	12/16/08	
			2,4,6-Tribromophenol	~~896 µl~~	1792 µl	↓	↓	1645	8370 ppm	11/30/08	

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9/14/08

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1966	8/27/08	2/27/08	BNA ENVR SOLN		MeOH C38E01	1.00mL					MG
			Nitrobenzene-d5	1148 µl			100 ppm	1644	8710 ppm	11-30-08	
			2-Fluorobiphenyl (832 µl)	~~816~~ µl			↓	1643	12010 ppm	↓	
			Terphenyl-d14	1887 µl			↓	1897	5308 ppm	4/26/09	
			Phenol-d6	777 µl			150 ppm	1843	19,300 ppm	5/15/09	
			2-Fluorophenol	1200 µl			↓	1656	12,490 ppm	10/1/08	
			2,4,6-Tribromophenol	1792 µl			↓	1645	8370 ppm	11/30/08	
1967	8/27/08	8/27/09	Terphenyl-d14	2.891	DCM EN140	10mL		1556	Neat	5/2011	MG
				2.859 g							
				.052 g			5,200 ppm	↓			
1968	9/8/08	9/8/09	INT STANDARD	1mL	—	1mL	4000 ppm	1924	4000 ppm	12/9/2010	MG
1969	↓	↓	↓	↓	—	↓	↓	↓	↓		
1970	↓	↓	↓	↓	—	↓	↓	↓	↓		
1971	9/11/08	11/30/08	BNA Surrogate								
			2-Fluorobiphenyl	833 µl	MeOH	100mL	100 ppm	1643	12010 ppm	11-30-08	MG
			Nitrobenzene-d5	1148 µl	C38E01		↓	1644	8710 ppm	↓	
			Terphenyl-d14	1,923 µl			↓	1967	5,200 ppm	8-27-09	
			2-Fluorophenol	1,200 µl			150 ppm	1656	12,490 ppm	10-1-08	
			2,4,6-Tribromophenol	1,792 µl			↓	1645	8370 ppm	11-30-08	
			Phenol-d6	777 µl			↓	1843	19,300 ppm	5/15/09	
1972	9/12/08	9/12/09	Biphenyl	45.850							
				45.677	DCM	10mL	17,300 ppm	1743	Neat	10/2011	
				.173 g							

* 8/27/08

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Conc (ppm)	Exp Date	Prep'd By
1973	9/12/08	10/31/08	OLM 4.2	——	MeOH	25 mL					CPR
			Acetophenone	203 uL	C35ED1		100ppm	1850 , 12,300ppm		5/19/09	
			Atrazine	305 uL				1738	8200ppm	1/22/09	
			Benzaldehyde	291 uL				1857	81600ppm	10/31/08	
			Biphenyl	144 uL				1972 , 17,300 ppm		9/12/09	
			Caprolactam	263 uL				1650 , 9500ppm		12/3/08	
1974	9/15/08	10/15/08	DFTPP/SV	50 uL	DCM E424CO	1 mL	50ppm	1834 / 1000ppm /		4/30/09	MG
1975	9/15/08	10/15/08	50 ppm STD	312 uL	DCM E424CO	1 mL	50 ppm	1939 / 160ppm /		11/5/08	MG
1976	9/15/08	10/15/08	50 ppm OLM STD	312 uL	DCM E424CO	1 mL	50 ppm	1940 / 160ppm /		12/3/08	MG
1977	9/15/08	12-16-08	BNA CAL STD		DCM E424CO	5 mL	160ppm				MG
			cal sure	1000 uL				1847 / 800 ppm /		11-15-08	
			Phenols	400 uL				1722 / 2000ppm /		12-16-08	
			Benzidines					1723 /			
			625's					1724 /			
			8270's					1725 /			
			PAH's					1726 /			
			1,4-Dioxane	30 uL			104ppm	1752 / 10,600ppm /		1/30/09	
1978	9/16/08	10/16/08	SSTD 160 ppm	1000 uL	DCM E424CO	1 mL	160ppm	1977 / 160ppm /		12-16-08	MG
1979			120	750 uL			120	↓			
1980			080	500 uL			80	1978 /	↓	10/16/08	
1981			060	↓			60	1979 / 120ppm /		↓	
1982			050	312 uL			50	1977 / 160ppm /		12-16-08	

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
1983	9/16/08	10/16/08	SSTD 040 ppm	500 uL	DCM B904CO	40 ppm ⇔ 1mL		1980	80 ppm	10-16-08	MG
1984			020			20		1983	40 ppm		
1985			010			10		1984	20 ppm		
1986			005			5.0		1985	10 ppm		
1987			001	100 uL		1.0		1986	5 ppm		
1988	9/16/08	12/13/08	OLM CAL STD								
			ATRAZINE	75 uL	DCM B904CO	5mL	160 ppm	1663	10,200 ppm	12/3/08	MG
			Benzaldehyde	65 uL				1936	12,300 ppm	8/14/09	
			1,1'-Biphenyl	75 uL				1845	10,700 ppm	5/15/09	
			Acetophenone	87 uL				1846	9,200 ppm	5/15/09	
			Caprolactam	70 uL				1844	11,400 ppm	↓	
			PXE	72 uL				1043	11,100 ppm	11-16-08	
			PTE	68 uL				1046	11,700 ppm	11-16-08	
1989	9/16/08	10/16/08	SSTD 160 ppm OLM	1000 uL	Solvent	1mL	160 ppm	1988	160 ppm	12/13/08	MG
1990			120	750 uL	DCM B904CO		120 ppm	↓	↓		
1991			080	520 uL			80	1989	↓	10/16/08	
1992			060	312 uL			60	1988	160 ppm	12/13/08	
1993			040	520 uL			40	1991	80 ppm	10-16-08	
1994			020	↓			20	1993	40 ppm	↓	
1995			010				10	1994	20 ppm		
1996			005	↓			5	1995	10 ppm		
1997											

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Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. / Conc (ppm) / Exp Date	Prep'd By
1997	9/16/08	10/16/08	ZSRC-091608		DCME42400	1mL			
			Phenols	25uL			50 ppm	Phe / 2000 ppm / 12/2009	MG
			Benzidines					1701	
			625's					1702	
			8270's					1703	
			PAH's					1704	
1998	9/16/08	9/2012	Terphenyl-d14	received	-	2x 50mg	-	chems / neat / 9/2012	MG
1999	9/17/08	11/16/08	PTE/PXE LSS Soln's		MeOH	10mL			MG
			PTE	105uL	C38E01		100ppm	1199 / 9,500 / 11-16-08	
			PXE	94uL			↓	1241 / 10,600 / ↓	
2000	9/25/08	9/25/09	2-Methylnaphthalene	43.248	DCME42400	10mL	12,000 ppm	984 / neat / 5/2011	MG
				43.127					
				.121					
2001	9/25/08	9/25/09	2-chloronaphthalene	43.205	DCME42400	10mL	7,200ppm	1557 / neat / 12/2010	MG
				43.133					
				.072					
2002	9/25/08	9/25/09	Dibenzofuran	43.270	DCME42400	10mL	13,200ppm	983 / neat / 8/2010	MG
				43.138					
				.132					
2003	9/25/08	3/24/09	SIM Surrogate		MeOH	10mL			MG
			Decafluorobiphenyl	86uL	C38E01		100ppm	1787 / 11,600ppm / 3-24-09	
			Terphenyl-d14	192uL			↓	1967 / 5,200ppm / 8-27-09	

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No.	Parent / Source Conc (ppm)	Parent / Source Exp Date	Prep'd By
2004	9/25/08	3/25/09	5im LCS Solns		MeOH	10mL	100ppm				MG
			PAH	500 uL	C38ED1			1704	2000ppm	12-16-09	
			2-Methylnaphthalene	83 uL				2000	12,000 ppm	9/25/09	
			2-Chloronaphthalene	139 uL				2007	7,200 ppm	9/25/09	
			Dibenzofuran	75 uL				2002	13,200 ppm	9/25/09	
2005	9/29/08	9/29/09	2-Chloronaphthalene	43.216	DCM	10mL	8,000ppm	1557	neat	12-2010	MG
				43.136	E42400						
				.080							
2006	9/29/08	9/29/09	2-Methyl naphthalene	43.215	DCM	10mL	7,900ppm	984	neat	5-2011	MG
				43.136	E42400						
				.079							
2007	9/29/08	9/29/09	Dibenzofuran	43.226	DCM	10mL	9,500ppm	883	neat	8-2010	MG
				43.131	E42400						
				.095							
2008	9/29/08	9/29/09	Decafluorobiphenyl	43.314	DCM	10mL	15,300ppm	1345	neat	8-2011	MG
				43.131	E42400						
				.183							
2009	9/29/08										
					DM 9/29/08						

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. / Conc (ppm) / Exp Date	Prep'd By
2009	9/29/08	3/29/09	Sim Cal STD		DCM	5mL			
			PAH Solⁿ	400uL	EM4400		160ppm		
			2-Methylnaphthalene	101uL				2006 / 7,900ppm / 9-29-09	
			2-chloronaphthalene	100uL				2005 / 8,000ppm /	
			Dibenzofuran	84uL				2007 / 9500ppm /	
			Terphenyl-d14	154uL				1967 / 5,200ppm / 8-27-09	
			Decafluorobiphenyl	44uL				2008 / 18,300ppm / 9-29-09	
2010	9/29/08	10/29/08	MDLV SIM Solⁿ		C38E01	10mL	0.06ppm	2009 / 160ppm / 10-29-08 MG	
			SIM Cal STD	3.8uL	Mecn				

9/29/08

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
2011	9/29/08	12/10/08	BNA Surrogate		Meoh	100mL			MG
			2-Fluorobiphenyl	833 uL	C38E01		100 ppm	1643 / 12,010 ppm / 11-30-08	
			Nitrobenzene-d5	1148 uL			↓	1644 / 8710 / 〃	
			Terphenyl-d14	1923 uL			↓	1967 / 5,200 / 8-27-08	
			2-Fluorophenol	1200 uL			150 ppm	1656 / 12,490 / 12-11-08	
			2,4,6-Tribromophenol	1792 uL			↓	1645 / 8370 / 11-30-08	
			Phenol-d6	777 uL			↓	1843 / 19,300 / 5/15/08	
2012	10/7/08	7/2011	Internal STANDARD	Received	-	1X5mL	4000 ppm	ECS / 4000 ppm / SVI023	MG
2013	10/9/08	12/10/08	BNA Surrogate		Meoh	100mL			MG
			2-Fluorobiphenyl	833 uL	C38E01		100 ppm	1643/12010 ppm / 11-30-08	
			Nitrobenzene-d5	1148 uL			↓	1644/8710 ppm/	
			Terphenyl-d14	1923 uL			↓	1967/ 5200 / 8-27-08	
			2-Fluorophenol	1200 uL			150 ppm	1656 / 12,490 / 12-11-08	
			2,4,6-Tribromophenol	1792 uL			↓	1645 / 8370 / 11-30-08	
			Phenol-d6	777 uL			↓	1843 / 19,300 / 5/15/08	
2014	10/9/08	4/9/09	BNA LCS Soln		Meoh	50mL	100 ppm		MG
			Phenols	2,500 uL	C38E01			1700 / 2000 ppm / 12/16/09	
			Benzidines	↓				1701 /	
			625's					1702 /	
			8270's					1703 /	
			PAHs					1704 /	
2015									10/9/08

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
2015	10/9/08	10/9/09	Benzaldehyde Prep	51.300	Meat	10	11,200 ppm	1876 / neat / 11/2009	MG
				51.188	DCM EH8480				
				.112					
2016	10/9/08	10/3/08	OCM 4.2 LCS SOLN		MeOH	25 mL			MG
			Acetophenone	203 uL	C38E01		100 ppm	1850 / 12,300 ppm / 5/14/09	
			Atrazine	305 uL				1738 / 8200 ppm / 11/22/09	
			1,1'-Biphenyl	144 uL				1972 / 17,300 ppm / 9/12/09	
			Benzaldehyde	223 uL				2015 / 11,200 ppm / 10/9/09	
			Caprolactam	263 uL				1650 / 9500 ppm / 12/3/08	
2017	10/10/08	11/10/08	SSTD 080 ppm SIM	500 uL	DCM EH2480	1.0 mL	80 ppm	2009 / 1600 ppm / 3-29-09	MG
2018			060	375 uL			60	↓	
2019			040	500 uL			40	2017 / 80 ppm / 11/10/08	
2020			020	↓			20	2019 / 40 ppm /	
2021			010	↓			10	2020 / 20 ppm /	
2022			001	100 uL			1.0	2021 / 10 ppm /	
2023			0002	200 uL			0.2	2022 / 1 ppm /	
2024			0001	500 uL			0.1	2023 / 0.2 ppm /	
2025	↓	↓	CRDDS	↓	↓	↓	0.05	2024 / 0.1 ppm /	↓
							Final	10/10/08	

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Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. Conc (ppm) Exp Date	Prep'd By
2026	10/10/08	11/10/08	ICV 101008 SVM		DCME2424100	1 mL			MG
			PAH	5 uL			10 ppm	1704 / 2000 ppm / 12/10/09	
			2-Methylnaphthalene	0.83 uL				2020 / 12,100 ppm / 9/25/09	
			2-Chloronaphthalene	1.38 uL				2001 / 7,200 ppm /	
			Dibenzofuran	0.76 uL				2002 / 13,200 ppm /	
2027	10/13/08	11/13/08	DFTPP Lvl	50 uL	DCME2424100	1 mL	50 ppm	1834 / 100 ppm / 4/30/09	MG
2028	10/14/08	11/14/08	SSTD 160 ppm	1000 uL	DCME2424100	1 mL	160 ppm	1977 / 160 ppm / 12-16-08	MG
2029			120	750 uL			120		
2030			080	500 uL			80	2028 / / 11/14/08	
2031			060				60	2029 / 120 ppm /	
2032			050	312 uL			50	1977 / 160 ppm / 12-16-08	
2033			040	500 uL			40	2030 / 80 ppm / 11/14/08	
2034			020				20	2033 / 40 ppm /	
2035			010				10	2034 / 20 ppm /	
2036			005				5	2035 / 10 ppm /	
2037			001	100 uL			1	2036 / 5 ppm /	
2038	10/14/08	11/14/08	25RC - 101408		DCME2424100	1 mL			MG
			Phenols	25 uL			50 ppm	1701 / 2000 ppm / 12-16-09	
			Benzidines					1702 /	
			625's					1703 /	
			8270's					1704 /	
			PAH					1705 /	

Supervisor Review: _____

GC/MS SEMIVOLATILE STANDARDS PREP LOG

ID No.	Prep Date	Exp. Date	Description / Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc. (ppm)	Parent / Source ID No. / Conc (ppm) / Exp Date	Prep'd By
2039	10/14/08	11/14/08	SSD 160 ppm each	1000 uL	DCM E42400	1 mL	160 ppm	1988 / 160 ppm / 12-13-08	MG
2040			120	750 uL			120	↓	
2041			080	500 uL			80	2039 / 160 ppm / 11/14/08	
2042			050	312 uL			50	1988 / ↓ / 12-13-08	
2043			040	500 uL			40	2041 / 80 ppm / 11/14/08	
2044			020				20	2043 / 40 ppm /	
2045			010				10	2044 / 20 ppm /	
2046	↓	↓	005	↓	↓	↓	5	2045 / 10 ppm /	
2047	10/17/08	12/11/08	BNA Surrogate		Aldrich	100 mL			MG
			2-Fluorobiphenyl	838 uL	C38E01		100 ppm	1643 / 12010 ppm / 11-30-08	
			Nitrobenzene-d5	1148 uL			↓	1644 / 8710 ppm / ↓	
			Terphenyl-d14	1923 uL			↓	1867 / 5200 ppm / 8-27-09	
			2-Fluorophenol	1200 uL			150 ppm	1656 / 12,490 ppm / 12-11-08	
			2,4,6-Tribromophenol	1792 uL			↓	1645 / 8370 / 11-30-08	
			Phenol-d6	777 uL			↓	1843 / 19,300 / 5/15/09	
2048	10/22/08	12/16/09	1625 BN Mix #1	Received	625BN18	5 mL	2000 ppm	ECS / 2000 ppm / 12/16/09	MG
2049	↓	↓	8270 Semi add ons	↓	8270A17	↓	↓	↓	↓
2050			Benzidines Mix		BZD026				
2051			phenols Mix		PHN023				
2052	↓	↓	PAH Mix	↓	PAH16	↓	↓	↓	

Supervisor Review: _____

PCB DATA

QC Summary

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No. _____ SDG No.: 0810110

GC Column(1): DB-608 ID: 0.53 (mm) GC Column(2): ID: (mm)

	EPA SAMPLE NO.	LSL ID	% REC1 (TCX) 1 #	% REC2 (DCB) 1 #					TOT OUT
01	MB-8271	MB-8271	88	110					0
02	LCS-8271	LCS-8271	88	113					0
03	MSB-8271	MSB-8271	92	111					0
04	MW-1	0810110-001B	92	67					0
05	MW-2	0810110-002B	90	48					0
06	MW-2MS	0810110-002BMS	92	48					0
07	MW-2MSD	0810110-002BMSD	94	59					0
08	MW-3	0810110-003B	77	26					0
09	MW-4	0810110-004B	88	30					0
10	MW-4FD	0810110-005B	77	39					0

	QC Limit
% REC1 (TCX) 1 = Tetrachloro-m-xylene	36-131
% REC2 (DCB) 1 = Decachlorobiphenyl	25-142

Column to be used to flag recovery values

* Values outside of contract required QC limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID:	**0810110-002BMS**	SampType:	**MS**	TestCode:	**8082W**	Units:	**µg/L**	Prep Date:	**10/15/2008**	RunNo:	**15213**
Client ID:	**MW-2**	Batch ID:	**8271**	Method:	**SW8082**		**(SW3520C)**	Analysis Date:	**10/21/2008**	SeqNo:	**398116**
Instrument:	**GC90_20C**	ColumnID:	**DB-608**		**J&W DB-608, 0.82 df**						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.17	0.521	2.08	0	104	31	153				
Aroclor 1260	2.12	0.521	2.08	0	102	12	175				
Surr: Tetrachloro-m-xylene	0.573	0	0.625	0	92	36	131				
Surr: Decachlorobiphenyl	0.299	0	0.625	0	48	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **MW-2**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/21/2008**	SeqNo: **398117**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.24	0.521	2.08	0	107	31	153	2.17	3.0	51	
Aroclor 1260	2.26	0.521	2.08	0	108	12	175	2.12	6.4	25	
Surr: Tetrachloro-m-xylene	0.586	0	0.625	0	94	36	131	0		0	
Surr: Decachlorobiphenyl	0.370	0	0.625	0	59	25	142	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8271**	SampType: **MSB**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398108**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	31	153				
Aroclor 1260	2.16	0.500	2	0	108	12	175				
Surr: Tetrachloro-m-xylene	0.550	0	0.6	0	92	36	131				
Surr: Decachlorobiphenyl	0.665	0	0.6	0	111	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-8271**	SampType: **LCS**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398107**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	48	142				
Aroclor 1260	2.19	0.500	2	0	110	56	136				
Surr: Tetrachloro-m-xylene	0.528	0	0.6	0	88	36	131				
Surr: Decachlorobiphenyl	0.676	0	0.6	0	113	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

4C

EPA SAMPLE NO.

MB-8271

Lab Name: Life Science Laboratories Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

Lab Sample ID: MB-8271 Lab File ID: 102018.rst

Matrix: (soil/water) W Extraction: (Type) CONT

Sulfur Cleanup: (Y/N) N Date Extracted: 10/15/2008

Date Analyzed (1): 10/20/2008 Date Analyzed (2):

Time Analyzed (1): 20:11 Time Analyzed (2):

Instrument ID (1): GC90 20C Instrument ID (2):

GC Column (1): DB-608 ID: 0.5 (mm) GC Column (2): ID: (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	LCS-8271	LCS-8271	10/20/2008	
2	MSB-8271	MSB-8271	10/20/2008	
3	MW-1	0810110-001B	10/21/2008	
4	MW-2	0810110-002B	10/21/2008	
5	MW-2MS	0810110-002BMS	10/21/2008	
6	MW-2MSD	0810110-002BMSD	10/21/2008	
7	MW-3	0810110-003B	10/21/2008	
8	MW-4	0810110-004B	10/21/2008	
9	MW-4FD	0810110-005B	10/21/2008	

COMMENTS: _____

GCSV 8082 Combined MDL Study Summary

Instrument ID(s): HP5890-PK, HP5890-90 **Column ID(s)**: DB608, 30mm x .53 mm ID, DB1701, 30mm x .53 mm ID EV = 10 mL

Analytical Method	Prep. Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ug/L)	Std Dev	MDL (ug/L)
8082/608	3520C	water	Aroclor 1016	02/03/05	0.0230	0.0215	0.0220	0.0141	0.0276	0.0244	0.0281	0.0200	0.0047	0.0147
8082/608	3520C	water	Aroclor 1221	06/30/05	0.1580	0.1550	0.1510	0.0823	0.0937	0.1670	0.1610	0.2000	0.0349	0.1096
8082/608	3520C	water	Aroclor 1232	02/03/05	0.2620	0.2590	0.2630	0.2710	0.2540	0.2110	0.2500	0.2000	0.0196	0.0617
8082/608	3520C	water	Aroclor 1242	06/30/05	0.2420	0.2290	0.2220	0.1930	0.2230	0.2710	0.2600	0.2000	0.0261	0.0820
8082/608	3520C	water	Aroclor 1248	06/30/05	0.5730	0.5190	0.4900	0.4990	0.5920	0.4890	0.5220	0.2000	0.0409	0.1285
8082/608	3520C	water	Aroclor 1254	06/30/05	0.2160	0.2160	0.2260	0.2290	0.2850	0.2080	0.3260	0.2000	0.0444	0.1395
8082/608	3520C	water	Aroclor 1260	06/30/05	0.0996	0.1040	0.1010	0.1150	0.1080	0.1070	0.1030	0.0200	0.0052	0.0163
8082/608	3520C	water	Aroclor 1262	08/26/05	0.0349	0.0300	0.0321	0.0272	0.0417	0.0375	0.0381	0.0200	0.0051	0.0159
8082/608	3520C	water	Aroclor 1268	08/26/05	0.0264	0.0258	0.0282	0.0302	0.0259	0.0291	0.0312	0.0200	0.0022	0.0068

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.
AR1262 MDL #3 is run #8

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

MDL Verification:
HP5890-90: 2/25/08
HP5890-PK: 2/25/08

4-21-08

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Sample Data

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102028.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 1:34
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 1:34
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 1:34
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 1:34
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 1:34
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 1:34
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 1:34
Surr: Tetrachloro-m-xylene	92.5		36-131	0	%REC	1	10/21/08 1:34
Surr: Decachlorobiphenyl	67.2		25-142	0	%REC	1	10/21/08 1:34

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:55:18
Operator	: manager	Sample Name	: 0810110-001B
Sample Number	: SAMP	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/28
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 01:34:22	Cycle	: 28

Raw Data File : E:\90oct08\C102028.raw <Modified>
Result File : E:\90oct08\C102028.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102028.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

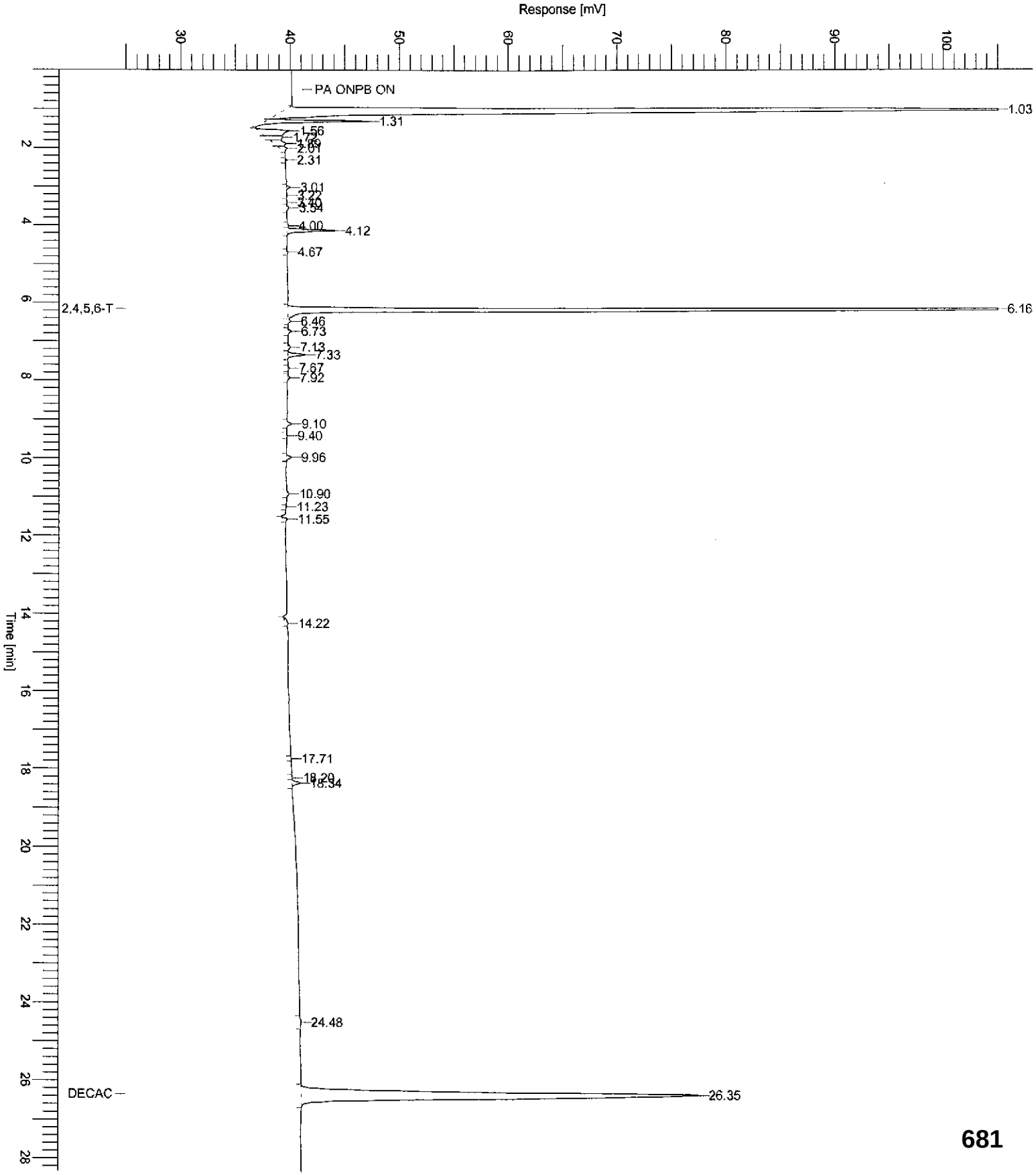
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.156	2,4,5,6-TCMX	437576.78	7884432.8	0.0555	1	10	960	0.5781	0.625	92
26.350	DECACHLOROBIPHENYL	384845.48	9558594.0	0.0403	1	10	960	0.4194	0.625	67

Report stored in ASCII file: E:\90oct08\C102028.TX0

Chromatogram

Sample Name : 0810110-001B Sample #: SAMP Page 1 of 1
FileName : E:\90oct08\C102028.raw
Date : 10/21/08 09:55:25
Method : 5890-90 Time of Injection: 10/21/08 01:34:22
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 980 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102029.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.510	0.015	µg/L	1	10/21/08 2:06
Aroclor 1221	ND		0.510	0.112	µg/L	1	10/21/08 2:06
Aroclor 1232	ND		0.510	0.063	µg/L	1	10/21/08 2:06
Aroclor 1242	ND		0.510	0.084	µg/L	1	10/21/08 2:06
Aroclor 1248	ND		0.510	0.131	µg/L	1	10/21/08 2:06
Aroclor 1254	ND		0.510	0.142	µg/L	1	10/21/08 2:06
Aroclor 1260	ND		0.510	0.017	µg/L	1	10/21/08 2:06
Surr: Tetrachloro-m-xylene	89.5		36-131	0	%REC	1	10/21/08 2:06
Surr: Decachlorobiphenyl	48.0		25-142	0	%REC	1	10/21/08 2:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:55:28
Operator	: manager	Sample Name	: 0810110-002B
Sample Number	: SAMP	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/29
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 980.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 02:06:41	Cycle	: 29

Raw Data File : E:\90oct08\C102029.raw <Modified>
Result File : E:\90oct08\C102029.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102029.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

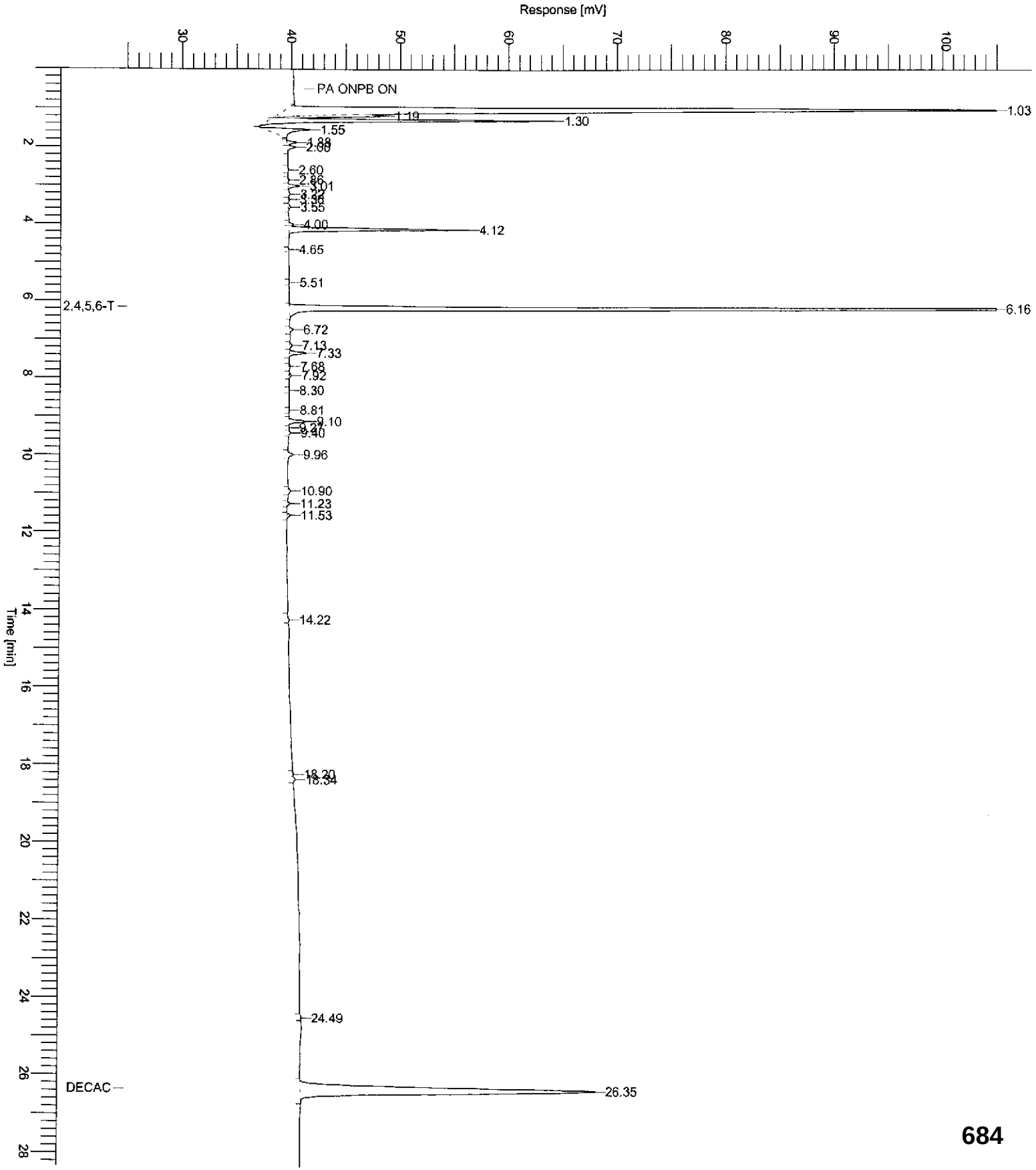
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.155	2,4,5,6-TCMX	423315.88	7884432.8	0.0537	1	10	980	0.5479	0.612	89
26.348	DECACHLOROBIPHENYL	260512.21	9751838.0	0.0288	1	10	980	0.2935	0.612	48

Report stored in ASCII file: E:\90oct08\C102029.TX0

Chromatogram

Sample Name : 0810110-002B Sample #: SAMP Page 1 of 1
FileName : E:\90oct08\C102029.raw
Date : 10/21/08 09:55:35
Method : 5890-90 Time of Injection: 10/21/08 02:06:41
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102032.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 3:43
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 3:43
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 3:43
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 3:43
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 3:43
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 3:43
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 3:43
Surr: Tetrachloro-m-xylene	77.2		36-131	0	%REC	1	10/21/08 3:43
Surr: Decachlorobiphenyl	25.5		25-142	0	%REC	1	10/21/08 3:43

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:56:04
Operator	: manager	Sample Name	: 0810110-003B
Sample Number	: SAMP	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/32
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 03:43:42	Cycle	: 32

Raw Data File : E:\90oct08\C102032.raw <Modified>
Result File : E:\90oct08\C102032.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102032.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

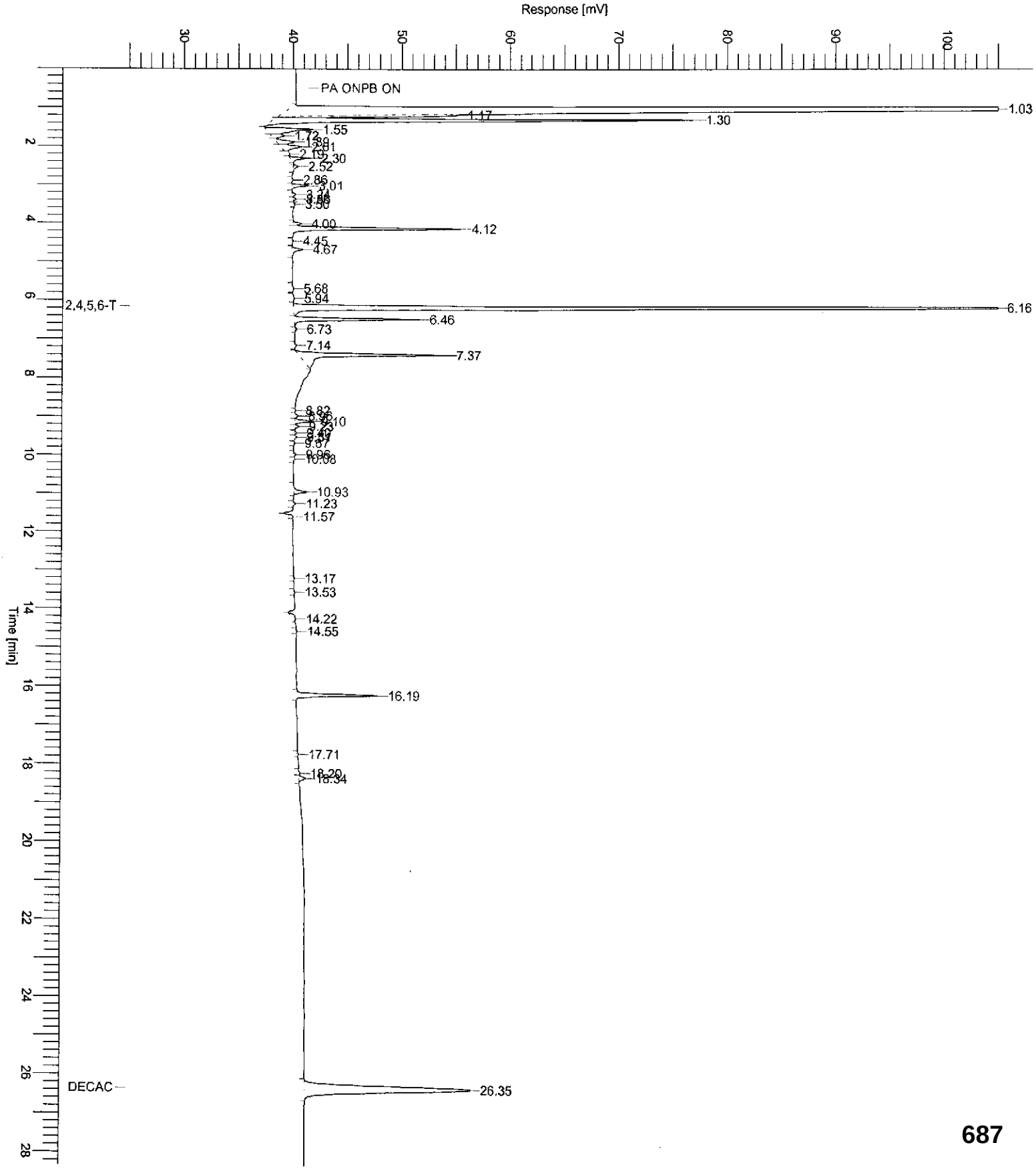
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.156	2,4,5,6-TCMX	365233.42	7884432.8	0.0463	1	10	960	0.4825	0.625	77
26.351	DECACHLOROBIPHENYL	158329.74	10347292.5	0.0153	1	10	960	0.1594	0.625	26

Report stored in ASCII file: E:\90oct08\C102032.TX0

Chromatogram

Sample Name : 0810110-003B Sample #: SAMP Page 1 of 1
FileName : E:\90oct08\C102032.raw
Date : 10/21/08 09:56:10
Method : 5890-90 Time of Injection: 10/21/08 03:43:42
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102033.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 4:15
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 4:15
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 4:15
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 4:15
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 4:15
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 4:15
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 4:15
Surr: Tetrachloro-m-xylene	88.3		36-131	0	%REC	1	10/21/08 4:15
Surr: Decachlorobiphenyl	29.8		25-142	0	%REC	1	10/21/08 4:15

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:56:14
Operator	: manager	Sample Name	: 0810110-004B
Sample Number	: SAMP	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/33
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 04:15:54	Cycle	: 33

Raw Data File : E:\90oct08\C102033.raw <Modified>
Result File : E:\90oct08\C102033.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102033.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

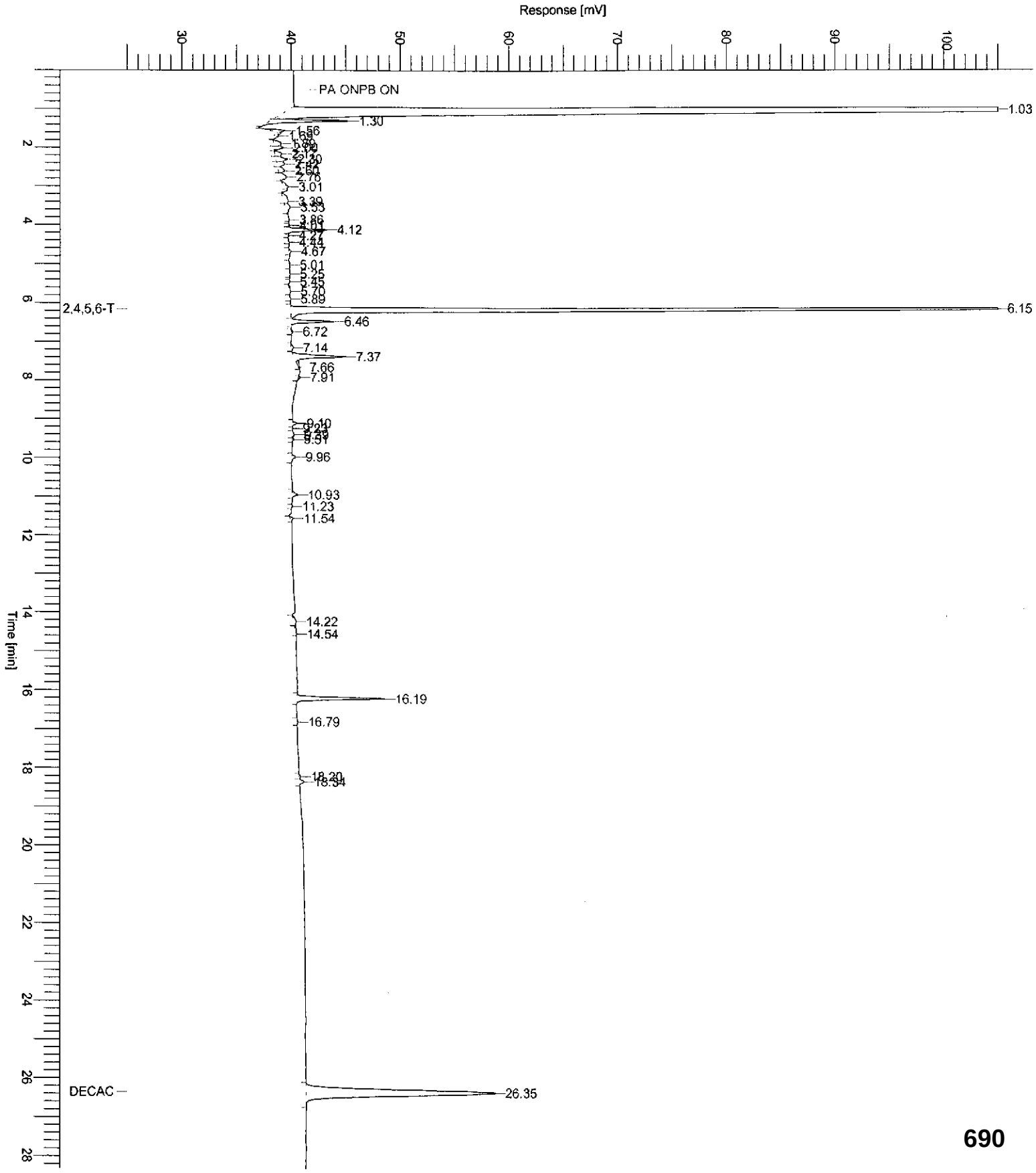
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.155	2,4,5,6-TCMX	417909.72	7884432.8	0.0530	1	10	960	0.5521	0.625	88
26.349	DECACHLOROBIPHENYL	182346.10	10159708.0	0.0179	1	10	960	0.1870	0.625	30

Report stored in ASCII file: E:\90oct08\C102033.TX0

Chromatogram

Sample Name : 0810110-004B Sample #: SAMP Page 1 of 1
FileName : E:\90oct08\C102033.raw
Date : 10/21/08 09:56:20
Method : 5890-90 Time of Injection: 10/21/08 04:15:54
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005B**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	GC90 20C	**Sample Size:** 960 mL	**PrepDate:** 10/15/08 12:57
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 8271/R15213
Revision:	10/21/08 14:27	**TestCode:** 8082W	**FileID:** 1-SAMP-E:\90oct08\C102034.rs
Col Type:	Primary		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WATER BY GC/ECD					**SW8082**		**(SW3520C)**
Aroclor 1016	ND		0.521	0.015	µg/L	1	10/21/08 4:48
Aroclor 1221	ND		0.521	0.114	µg/L	1	10/21/08 4:48
Aroclor 1232	ND		0.521	0.064	µg/L	1	10/21/08 4:48
Aroclor 1242	ND		0.521	0.085	µg/L	1	10/21/08 4:48
Aroclor 1248	ND		0.521	0.134	µg/L	1	10/21/08 4:48
Aroclor 1254	ND		0.521	0.145	µg/L	1	10/21/08 4:48
Aroclor 1260	ND		0.521	0.017	µg/L	1	10/21/08 4:48
Surr: Tetrachloro-m-xylene	76.8		36-131	0	%REC	1	10/21/08 4:48
Surr: Decachlorobiphenyl	38.5		25-142	0	%REC	1	10/21/08 4:48

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:56:24
Operator	: manager	Sample Name	: 0810110-005B
Sample Number	: SAMP	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/34
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 04:48:10	Cycle	: 34

Raw Data File : E:\90oct08\C102034.raw <Modified>
Result File : E:\90oct08\C102034.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102034.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

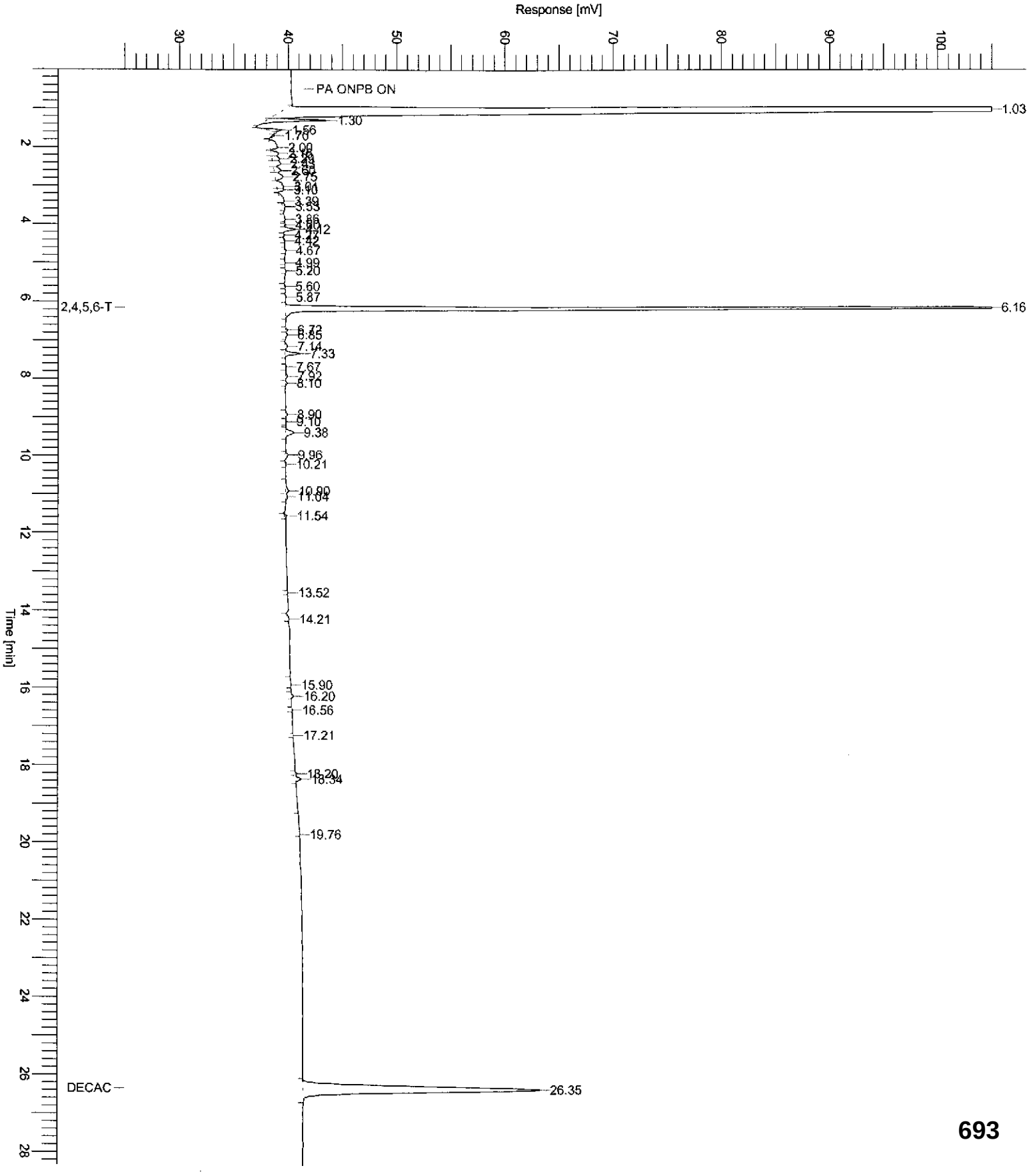
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.155	2,4,5,6-TCMX	363700.84	7884432.8	0.0461	1	10	960	0.4805	0.625	77
26.350	DECACHLOROBIPHENYL	228703.72	9919405.1	0.0231	1	10	960	0.2402	0.625	38

Report stored in ASCII file: E:\90oct08\C102034.TX0

Chromatogram

Sample Name : 0810110-005B Sample #: SAMP Page 1 of 1
FileName : E:\90oct08\C102034.raw
Date : 10/21/08 09:56:30
Method : 5890-90 Time of Injection: 10/21/08 04:48:10
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Standards Data

INITIAL RETENTION TIME WINDOW DETERMINATION
PCB'S

Instrument: HP5890-90
Column: DB-608
Serial Number: US6605852H
Date Installed: 7/15/08

SURROGATES	C081311 08/13/08 20:19	C081319 08/14/08 00:39	C081327 08/14/08 04:58	Average RT	Standard Deviation	Retention Time Windows (Std Dev x3)* +/- Min.	+/- Sec.
2,4,5,6-TCMX	6.33	6.32	6.32	6.32	0.00058	0.017	1.04
DECACHLOROBIPHENYL	26.84	26.83	26.84	26.84	0.00252	0.017	1.04

AR1660	C081311 08/13/08 20:19	C081319 08/14/08 00:39	C081327 08/14/08 04:58	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1016-1	8.32	8.32	8.32	8.32	0.00058	0.017	1.04
AR1016-2	9.62	9.62	9.62	9.62	0.00115	0.017	1.04
AR1016-3	10.76	10.75	10.75	10.75	0.00153	0.017	1.04
AR1016-4	11.26	11.26	11.26	11.26	0.00100	0.017	1.04
AR1016-5	12.76	12.76	12.76	12.76	0.00115	0.017	1.04
AR1260-1	16.32	16.32	16.32	16.32	0.00100	0.017	1.04
AR1260-2	16.56	16.56	16.56	16.56	0.00115	0.017	1.04
AR1260-3	17.18	17.18	17.18	17.18	0.00153	0.017	1.04
AR1260-4	19.47	19.47	19.47	19.47	0.00100	0.017	1.04
AR1260-5	21.05	21.05	21.05	21.05	0.00208	0.017	1.04

AR1221	C081312 08/13/08 20:52	C081320 08/14/08 01:11	C081328 08/14/08 05:31	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1221-1	5.55	5.55	5.55	5.55	0.00058	0.017	1.04
AR1221-2	7.65	7.65	7.65	7.65	0.00058	0.017	1.04
AR1221-3	8.12	8.11	8.12	8.12	0.00100	0.017	1.04
AR1221-4	8.32	8.32	8.32	8.32	0.00100	0.017	1.04
AR1221-5				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

AR1232	C081313 08/13/08 21:24	C081321 08/14/08 01:43	C081329 08/14/08 06:03	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1232-1	8.32	8.32	8.32	8.32	0.00058	0.017	1.04
AR1232-2	9.62	9.61	9.62	9.62	0.00153	0.017	1.04
AR1232-3	10.76	10.75	10.75	10.75	0.00115	0.017	1.04
AR1232-4	12.76	12.76	12.76	12.76	0.00115	0.017	1.04
AR1232-5	14.61	14.61	14.61	14.61	0.00115	0.017	1.04

* In cases where std. dev. < 1.04sec, substitute 1.04sec / .017min for RTW

INITIAL RETENTION TIME WINDOW DETERMINATION
PCB'S

Instrument: HP5890-90
Column: DB-608
Serial Number: US6605852H
Date Installed: 7/15/08

AR1242	C081314 08/13/08 21:56	C081322 08/14/08 02:16	C081330 08/14/08 06:35	Average RT	Standard Deviation	Retention Time Windows (Std Dev x3)* +/- Min.	+/- Sec.
AR1242-1	8.32	8.32	8.32	8.32	0.00100	0.017	1.04
AR1242-2	9.62	9.62	9.62	9.62	0.00058	0.017	1.04
AR1242-3	10.76	10.75	10.75	10.75	0.00153	0.017	1.04
AR1242-4	12.76	12.76	12.76	12.76	0.00058	0.017	1.04
AR1242-5	14.61	14.61	14.61	14.61	0.00100	0.017	1.04

AR1248	C081315 08/13/08 22:29	C081323 08/14/08 02:48	C081331 08/14/08 07:08	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1248-1	9.62	9.62	9.62	9.62	0.00058	0.017	1.04
AR1248-2	10.75	10.75	10.75	10.75	0.00058	0.017	1.04
AR1248-3	11.74	11.74	11.74	11.74	0.00100	0.017	1.04
AR1248-4	14.61	14.61	14.61	14.61	0.00100	0.017	1.04
AR1248-5	16.13	16.13	16.13	16.13	0.00058	0.017	1.04

AR1254	C081316 08/13/08 23:01	C081324 08/14/08 03:21	C081332 08/14/08 07:40	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1254-1	13.99	13.99	13.99	13.99	0.00058	0.017	1.04
AR1254-2	14.18	14.18	14.18	14.18	0.00000	0.017	1.04
AR1254-3	15.78	15.78	15.78	15.78	0.00058	0.017	1.04
AR1254-4	16.13	16.13	16.13	16.13	0.00058	0.017	1.04
AR1254-5	17.89	17.89	17.89	17.89	0.00115	0.017	1.04

AR1262	C081317 08/13/08 23:34	C081325 08/14/08 03:53	C081333 08/14/08 08:12	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1262-1	15.76	15.76	15.76	15.76	0.00058	0.017	1.04
AR1262-2	16.56	16.56	16.56	16.56	0.00115	0.017	1.04
AR1262-3	19.47	19.47	19.47	19.47	0.00000	0.017	1.04
AR1262-4	21.05	21.05	21.05	21.05	0.00058	0.017	1.04
AR1262-5	24.88	24.87	24.88	24.87	0.00058	0.017	1.04

AR1268	C081318 08/14/08 00:06	C081326 08/14/08 04:26	C081334 08/14/08 08:44	Average RT	Standard Deviation	+/- Min.	+/- Sec.
AR1268-1	17.99	17.99	17.99	17.99	0.00100	0.017	1.04
AR1268-2	19.00	19.00	19.00	19.00	0.00058	0.017	1.04
AR1268-3	20.73	20.73	20.73	20.73	0.00100	0.017	1.04
AR1268-4	22.09	22.09	22.09	22.09	0.00058	0.017	1.04
AR1268-5	24.87	24.87	24.87	24.87	0.00153	0.017	1.04

* In cases where std. dev. < 1.04sec, substitute 1.04sec / .017min for RTW

DAILY RETENTION TIME WINDOW LOG

Instrument: HP5890-90
Column: DB-608
Serial Number: US6605852H
Date Installed: 7/15/08 Sequence: 90092308.SEQ

	Compound	Retention Time	Window(min)	Lower Limit	Upper Limit
AR1660-3	2,4,5,6-TCMX	6.16	0.020	6.14	6.18
C092305	AR1016-1	8.13	0.020	8.11	8.15
09/23/08	AR1016-2	9.43	0.020	9.41	9.45
19:03	AR1016-3	10.56	0.020	10.54	10.58
	AR1016-4	11.06	0.020	11.04	11.08
	AR1016-5	12.56	0.020	12.54	12.58
	AR1260-1	16.11	0.020	16.09	16.13
	AR1260-2	16.36	0.020	16.34	16.38
	AR1260-3	16.97	0.020	16.95	16.99
	AR1260-4	19.27	0.020	19.25	19.29
	AR1260-5	20.79	0.020	20.77	20.81
	DECACHLOROBIPHENYL	26.36	0.020	26.34	26.38
AR1221-3	AR1221-1	5.40	0.020	5.38	5.42
C092310	AR1221-2	7.47	0.020	7.45	7.49
09/24/08	AR1221-3	7.94	0.020	7.92	7.96
11:21	AR1221-4	8.14	0.020	8.12	8.16
AR1232-3	AR1232-1	8.14	0.020	8.12	8.16
C092315	AR1232-2	9.43	0.020	9.41	9.45
09/24/08	AR1232-3	10.56	0.020	10.54	10.58
14:03	AR1232-4	12.56	0.020	12.54	12.58
	AR1232-5	14.41	0.020	14.39	14.43
AR1242-3	AR1242-1	8.14	0.020	8.12	8.16
C092320	AR1242-2	9.43	0.020	9.41	9.45
09/24/08	AR1242-3	10.56	0.020	10.54	10.58
16:47	AR1242-4	12.56	0.020	12.54	12.58
	AR1242-5	14.41	0.020	14.39	14.43
AR1248-3	AR1248-1	9.43	0.020	9.41	9.45
C092325	AR1248-2	10.55	0.020	10.53	10.57
09/24/08	AR1248-3	11.55	0.020	11.53	11.57
19:28	AR1248-4	14.41	0.020	14.39	14.43
	AR1248-5	15.93	0.020	15.91	15.95
AR1254-3	AR1254-1	13.79	0.020	13.77	13.81
C092330	AR1254-2	13.98	0.020	13.96	14.00
09/24/08	AR1254-3	15.58	0.020	15.56	15.60
22:10	AR1254-4	15.93	0.020	15.91	15.95
	AR1254-5	17.68	0.020	17.66	17.70

DAILY RETENTION TIME WINDOW LOG

Instrument: HP5890-90
Column: DB-608
Serial Number: US6605852H
Date Installed: 7/15/08 Sequence: 90102008.SEQ

	Compound	Retention Time	Window(min)	Lower Limit	Upper Limit
AR1660-3	2,4,5,6-TCMX	6.16	0.020	6.14	6.18
C102003	AR1016-1	8.13	0.020	8.11	8.15
10/20/08	AR1016-2	9.43	0.020	9.41	9.45
11:34	AR1016-3	10.56	0.020	10.54	10.58
	AR1016-4	11.06	0.020	11.04	11.08
	AR1016-5	12.55	0.020	12.53	12.57
	AR1260-1	16.11	0.020	16.09	16.13
	AR1260-2	16.36	0.020	16.34	16.38
	AR1260-3	16.97	0.020	16.95	16.99
	AR1260-4	19.26	0.020	19.24	19.28
	AR1260-5	20.78	0.020	20.76	20.80
	DECACHLOROBIPHENYL	26.35	0.020	26.33	26.37
AR1248-3	AR1248-1	9.43	0.020	9.41	9.45
C102040	AR1248-2	10.55	0.020	10.53	10.57
10/21/08	AR1248-3	11.54	0.020	11.52	11.56
11:59	AR1248-4	14.40	0.020	14.38	14.42
	AR1248-5	15.93	0.020	15.91	15.95

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

GC Column: DB-608 ID: 0.53 (mm) Init. Calib. Date(s):

Instrument ID: GC90 20C

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	SURROGATE RT FROM CONTINUING CALIBRATION (TCX): 6.159 (DCB): 26.35					
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	(TCX) RT #	(DCB) RT #
01	PIBLK	PIBLK	10/20/2008	11:02	6.16	26.35
02	AR1660-3	AR1660-3	10/20/2008	11:34	6.16	26.35
03	MB-8278	MB-8278	10/20/2008	13:33	6.17	26.36
04	LCS-8278	LCS-8278	10/20/2008	14:05	6.16	26.35
05	LCSD-8278	LCSD-8278	10/20/2008	14:37	6.16	26.35
06	MB-8255	MB-8255	10/20/2008	18:34	6.16	26.34
07	LCS-8255	LCS-8255	10/20/2008	19:06	6.16	26.35
08	LCSD-8255	LCSD-8255	10/20/2008	19:38	6.16	26.35
09	MB-8271	MB-8271	10/20/2008	20:11	6.16	26.35
10	LCS-8271	LCS-8271	10/20/2008	20:43	6.16	26.35
11	MSB-8271	MSB-8271	10/20/2008	21:16	6.16	26.35
12	PIBLK	PIBLK	10/20/2008	21:48	6.16	26.35
13	AR1660-3	AR1660-3	10/20/2008	22:20	6.16	26.35
14	MW-1	0810110-001B	10/21/2008	1:34	6.16	26.35
15	MW-2	0810110-002B	10/21/2008	2:06	6.16	26.35
16	MW-2MS	0810110-002BMS	10/21/2008	2:38	6.16	26.35
17	MW-2MSD	0810110-002BMSD	10/21/2008	3:11	6.16	26.35
18	MW-3	0810110-003B	10/21/2008	3:43	6.16	26.35
19	MW-4	0810110-004B	10/21/2008	4:15	6.16	26.35
20	MW-4FD	0810110-005B	10/21/2008	4:48	6.16	26.35
21	PIBLK	PIBLK	10/21/2008	10:22	6.16	26.36
22	AR1660-3	AR1660-3	10/21/2008	10:55	6.16	26.36
23	AR1248-3	AR1248-3	10/21/2008	11:59	6.16	26.35

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: BEARDSLEY SAS No.: _____ SDG No.: 0810110

GC Column: DB-608 ID: 0.53 (mm) Init. Calib. Date(s):

Instrument ID: GC90_20C

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(± 0.02 MINUTES)
(DCB) = Decachlorobiphenyl	(± 0.02 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Initial Calibration

INITIAL CALIBRATION

INSTRUMENT: HP5890-90 (GC90_20C)

COLUMN: DB-608

SEQUENCE: 90092308

PCBs

Turbochrom Method File E:\Methods\cSURR092308.mth
Printed by : manager on: 09/29/08 11:37:59
Created by : manager on: 09/24/08 15:30:45
Edited by : manager on: 09/29/08 11:37:54
Number of Times Edited : 2
Number of Times Calibrated : 45
Description: surr - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

2,4,5,6-TCMX
Component Type : Single Peak Component
Retention Time : 6.166 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	20023.25	4905.95	----------	----------	1
5	0.0050	39637.90	9778.09	----------	----------	1
4	0.0100	77133.98	18629.69	----------	----------	1
3	0.0200	159657.80	39396.14	----------	----------	1
2	0.0400	313916.38	77803.25	----------	----------	1
1	0.0800	599343.85	149095.13	----------	----------	1

Average Calibration Factor = 7.884433e+06 (%RSD = 3.62)

DECACHLOROBIPHENYL
Component Type : Single Peak Component
Retention Time : 26.370 min
Search Window : 1.08 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Calibrating Area versus Amount using a 1st Order Fit
Curve will ignore the origin
Amounts will not be scaled prior to the regression
Weighting factor for the regression: 1
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 1.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
6	0.0024	25981.32	2586.82	----------	----------	1
5	0.0050	53775.46	5249.19	----------	----------	1
4	0.0100	136527.66	13230.48	----------	----------	1
3	0.0200	201071.14	19541.30	----------	----------	1
2	0.0400	386638.90	36864.37	----------	----------	1
1	0.0800	741224.85	69570.23	----------	----------	1

Calibration Curve : y = (19466.672607) + (9075090.822797)x + (0.000000)x^2 + (0.000000)x^3
R-squared : 0.997021

Calibration Replicate Lists
Component : 2,4,5,6-TCMX
Level : 6

09/29/08 11:37:59 Method: E:\Methods\cSURR092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
20023.25	4905.95	0.0024	———	———	09/29/08	11:36:16	E:\90sep08\C092348.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
39637.90	9778.09	0.0050	———	———	09/29/08	11:36:16	E:\90sep08\C092347.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
77133.98	18629.69	0.0100	———	———	09/29/08	11:36:16	E:\90sep08\C092346.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
159657.80	39396.14	0.0200	———	———	09/29/08	11:36:15	E:\90sep08\C092345.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
313916.38	77803.25	0.0400	———	———	09/29/08	11:36:15	E:\90sep08\C092344.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
599343.85	149095.13	0.0800	———	———	09/29/08	11:36:15	E:\90sep08\C092343.rst

Component : DECACHLOROBIPHENYL

Level : 6

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
25981.32	2586.82	0.0024	———	———	09/29/08	11:36:16	E:\90sep08\C092348.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
53775.46	5249.19	0.0050	———	———	09/29/08	11:36:16	E:\90sep08\C092347.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
136527.66	13230.48	0.0100	———	———	09/29/08	11:36:16	E:\90sep08\C092346.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
201071.14	19541.30	0.0200	———	———	09/29/08	11:36:15	E:\90sep08\C092345.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
386638.90	36864.37	0.0400	———	———	09/29/08	11:36:15	E:\90sep08\C092344.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
741224.65	69570.23	0.0800	———	———	09/29/08	11:36:15	E:\90sep08\C092343.rst

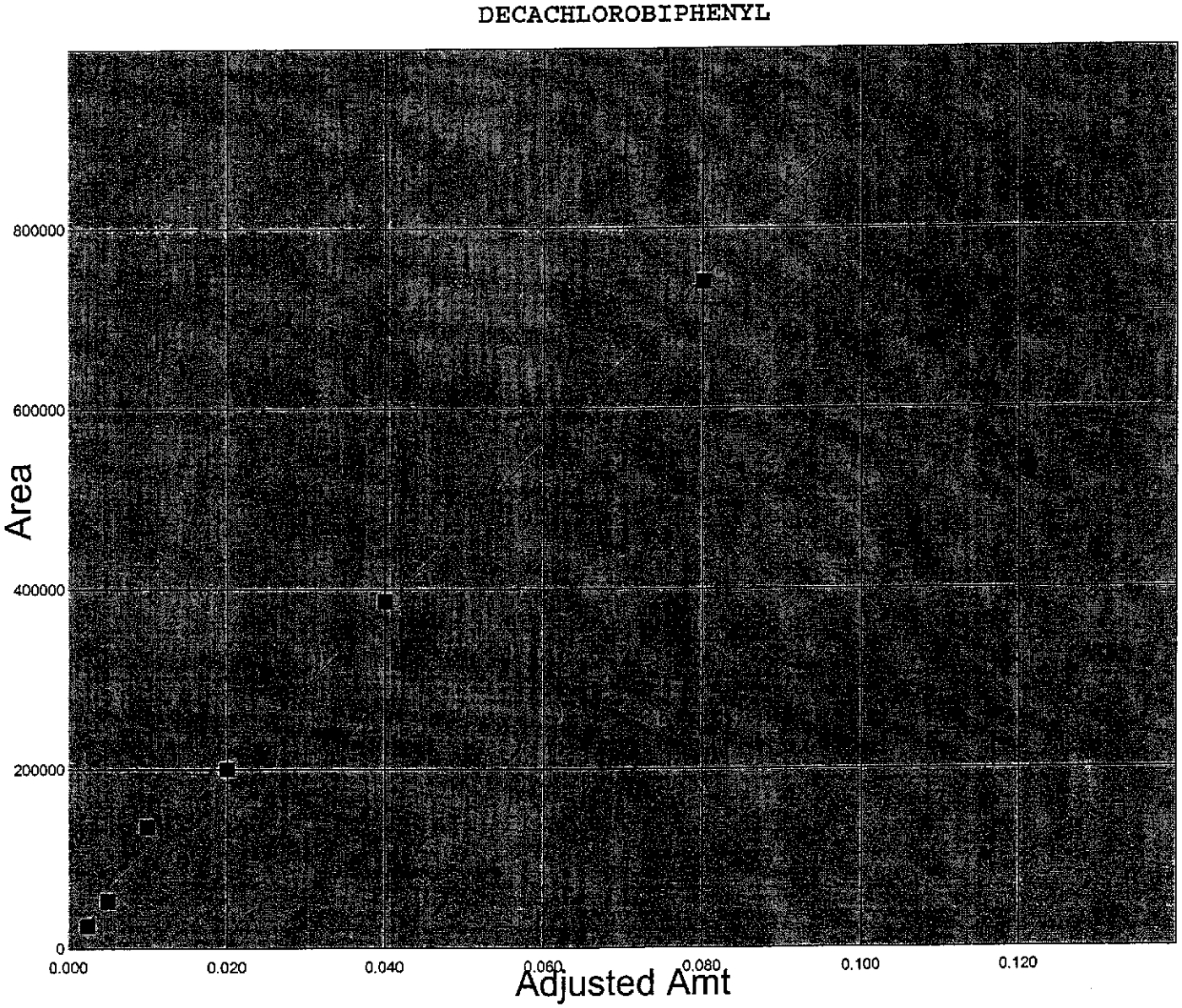
Fit Analysis Output For Method File: E:\METHODS\CSURR092308.MTH
Component Name : DECACHLOROBIPHENYL
Date : 09/29/08 11:38:38

Curve Parameters:

Curve #1 : 1st Order
Weighting Factor = 1 (No Weighting) R-Squared = 0.997021
Calibration Curve : Y = (19466.672607) +(9075090.822797) X

Curve #1 :

Level Name	Observed X-Value	Calculated X-Value	Delta	%Diff.	Observed Y-Value	Calculated Y-Value	Delta	%Diff.
6	0.002400	0.000718	0.001682	234.327	25981.322453	41246.891	-15265.568	-37.010
5	0.005000	0.003781	0.001219	32.256	53775.456950	64842.127	-11066.670	-17.067
4	0.010000	0.012899	-0.002899	-22.476	136527.658133	110217.581	26310.077	23.871
3	0.020000	0.020011	-1.131e-05	-0.057	201071.138278	200968.489	102.649	0.051
2	0.040000	0.040459	-4.593e-04	-1.135	386638.904415	382470.306	4168.599	1.090
1	0.080000	0.079532	0.000468	0.589	741224.850921	745473.938	-4249.088	-0.570



Turbochrom Method File E:\Methods\c60092308.mth
Printed by : manager on: 10/02/08 11:30:00
Created by : manager on: 09/24/08 15:28:36
Edited by : manager on: 10/02/08 11:29:58
Number of Times Edited : 3
Number of Times Calibrated : 54
Description: AR1016/AR1260 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1016-1
Component Type : Single Peak Component
Retention Time : 8.135 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	8807.41	2188.73	----------	----------	1
4	0.1000	17570.66	4267.30	----------	----------	1
3	0.2000	33560.72	8103.68	----------	----------	1
2	0.3000	53316.69	12823.44	----------	----------	1
1	0.5000	80903.00	19418.66	----------	----------	1

Average Calibration Factor = 171837.323431 (%RSD = 3.96)

AR1016-2
Component Type : Single Peak Component
Retention Time : 9.428 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	19584.22	3986.23	----------	----------	1
4	0.1000	36099.36	7479.29	----------	----------	1
3	0.2000	68177.59	13729.70	----------	----------	1
2	0.3000	109899.90	21774.71	----------	----------	1
1	0.5000	158322.79	31809.99	----------	----------	1

Average Calibration Factor = 355308.914984 (%RSD = 7.94)

AR1016-3
Component Type : Single Peak Component
Retention Time : 10.558 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	38413.60	6114.82	----------	----------	1
4	0.1000	72239.39	11404.56	----------	----------	1
3	0.2000	135818.63	21115.67	----------	----------	1
2	0.3000	211169.85	32952.87	----------	----------	1
1	0.5000	313000.32	48280.63	----------	----------	1

Average Calibration Factor = 699931.834220 (%RSD = 7.52)

AR1016-4
Component Type : Single Peak Component
Retention Time : 11.065 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	13824.54	2888.07	----------	----------	1
4	0.1000	27174.43	5581.05	----------	----------	1
3	0.2000	51798.87	10528.31	----------	----------	1
2	0.3000	81720.94	16473.16	----------	----------	1
1	0.5000	122936.05	24659.24	----------	----------	1

Average Calibration Factor = 265100.931497 (%RSD = 4.75)

AR1016-5
Component Type : Single Peak Component
Retention Time : 12.557 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	13123.24	2338.17	----------	----------	1
4	0.1000	25469.06	4537.26	----------	----------	1
3	0.2000	49483.87	8658.96	----------	----------	1
2	0.3000	78387.22	13678.77	----------	----------	1
1	0.5000	118376.60	20395.07	----------	----------	1

Average Calibration Factor = 252523.721006 (%RSD = 4.22)

AR1260-1
Component Type : Single Peak Component
Retention Time : 16.112 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	25337.39	5145.90	----------	----------	1
4	0.1000	52480.57	10500.04	----------	----------	1
3	0.2000	93089.49	18207.36	----------	----------	1
2	0.3000	138987.14	27155.98	----------	----------	1
1	0.5000	212508.90	40826.42	----------	----------	1

Average Calibration Factor = 477061.861563 (%RSD = 8.25)

AR1260-2
Component Type : Single Peak Component
Retention Time : 16.360 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	31553.18	6928.96	----------	----------	1
4	0.1000	64717.17	13937.62	----------	----------	1
3	0.2000	114127.62	24248.60	----------	----------	1
2	0.3000	170523.86	36683.90	----------	----------	1
1	0.5000	260670.85	55096.18	----------	----------	1

Average Calibration Factor = 587725.607156 (%RSD = 8.71)

AR1260-3
Component Type : Single Peak Component
Retention Time : 16.974 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	10391.29	2310.15	----------	----------	1
4	0.1000	21988.28	4866.79	----------	----------	1
3	0.2000	40680.72	8964.68	----------	----------	1
2	0.3000	62893.40	13618.13	----------	----------	1
1	0.5000	99742.44	21498.36	----------	----------	1

Average Calibration Factor = 208048.359337 (%RSD = 3.70)

AR1260-4
Component Type : Single Peak Component
Retention Time : 19.267 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	61693.32	12129.36	----------	----------	1
4	0.1000	120222.58	24242.37	----------	----------	1
3	0.2000	216366.28	43543.03	----------	----------	1
2	0.3000	329487.71	66886.55	----------	----------	1
1	0.5000	515929.96	103493.73	----------	----------	1

Average Calibration Factor = 1.129615e+06 (%RSD = 7.53)

AR1260-5
Component Type : Single Peak Component
Retention Time : 20.789 min
Search Window : 1.35 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
5	0.0500	29732.57	4869.28	----------	----------	1
4	0.1000	54944.53	9745.02	----------	----------	1
3	0.2000	101333.26	17642.82	----------	----------	1
2	0.3000	155770.00	27074.39	----------	----------	1
1	0.5000	247876.33	43041.66	----------	----------	1

Average Calibration Factor = 533149.814779 (%RSD = 7.47)

Calibration Replicate Lists
Component : AR1016-1
Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
8807.41	2188.73	0.0500	--------	-------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
17570.66	4267.30	0.1000	--------	-------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
33560.72	8103.68	0.2000	-------	-------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
53316.69	12823.44	0.3000	--------	--------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
80903.00	19418.66	0.5000	--------	-------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1016-2
Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
19584.22	3986.23	0.0500	-------	-------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
36099.36	7479.29	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
68177.59	13729.70	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
109899.90	21774.71	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
158322.79	31809.99	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1016-3

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
38413.60	6114.82	0.0500	----------	----------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
72239.39	11404.56	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
135818.63	21115.67	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
211169.85	32952.87	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
313000.32	48280.63	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1016-4

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13824.54	2888.07	0.0500	----------	----------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
27174.43	5581.05	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
51798.87	10528.31	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
81720.94	16473.16	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
122936.05	24659.24	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1016-5

Level : 5

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13123.24	2338.17	0.0500	———	———	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
25469.06	4537.26	0.1000	———	———	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
49483.87	8658.96	0.2000	———	———	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
78387.22	13678.77	0.3000	———	———	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
118376.60	20395.07	0.5000	———	———	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1260-1

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
25337.39	5145.90	0.0500	———	———	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
52480.57	10500.04	0.1000	———	———	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
93089.49	18207.36	0.2000	———	———	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
138987.14	27155.98	0.3000	———	———	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
212508.90	40826.42	0.5000	———	———	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1260-2

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
31553.18	6928.96	0.0500	———	———	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
64717.17	13937.62	0.1000	———	———	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
114127.62	24248.60	0.2000	———	———	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
170523.86	36683.90	0.3000	———	———	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
260670.85	55096.18	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1260-3

Level : 5 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
10391.29	2310.15	0.0500	----------	----------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
21988.28	4866.79	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
40680.72	8964.68	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
62893.40	13618.13	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
99742.44	21498.36	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1260-4

Level : 5 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
61693.32	12129.36	0.0500	----------	----------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
120222.58	24242.37	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
216366.26	43543.03	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
329487.71	66886.55	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
515929.96	103493.73	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Component : AR1260-5

Level : 5 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29732.57	4869.28	0.0500	----------	----------	10/02/08	11:29:49	E:\90sep08\C092307.rst

Level : 4 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
54944.53	9745.02	0.1000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092306.rst

Level : 3 Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
101333.26	17642.82	0.2000	----------	----------	10/02/08	11:29:49	E:\90sep08\C092305.rst

Level : 2

10/02/08 11:30:00 Method: E:\Methods\c60092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
155770.00	27074.39	0.3000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092304.rst

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
247876.33	43041.66	0.5000	----------	----------	10/02/08	11:29:48	E:\90sep08\C092303.rst

Turbochrom Method File E:\Methods\c21092308.mth
Printed by : manager on: 10/02/08 11:40:26
Created by : manager on: 09/24/08 15:28:53
Edited by : manager on: 10/02/08 11:40:23
Number of Times Edited : 2
Number of Times Calibrated : 43
Description: AR1221 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1221-1
Component Type : Single Peak Component
Retention Time : 5.394 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	28688.61	6462.25	----------	----------	1
2	0.3000	16840.13	4001.45	----------	----------	1
3	0.2000	11430.24	2822.29	----------	----------	1
4	0.1000	5563.96	1418.59	----------	----------	1
5	0.0500	3281.12	777.55	----------	----------	1

Average Calibration Factor = 57584.842734 (%RSD = 8.16)

AR1221-2
Component Type : Single Peak Component
Retention Time : 7.472 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	46401.22	10762.81	----------	----------	1
2	0.3000	27153.70	6465.71	----------	----------	1
3	0.2000	20059.04	4717.16	----------	----------	1
4	0.1000	10190.89	2381.40	----------	----------	1
5	0.0500	5155.55	1223.51	----------	----------	1

Average Calibration Factor = 97725.976281 (%RSD = 5.82)

AR1221-3
Component Type : Single Peak Component
Retention Time : 7.937 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 11:40:26 Method: E:\Methods\c21092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	33389.36	8030.75	----------	----------	1
2	0.3000	20037.78	4833.65	----------	----------	1
3	0.2000	14626.73	3545.35	----------	----------	1
4	0.1000	7482.50	1811.33	----------	----------	1
5	0.0500	4010.46	966.43	----------	----------	1

Average Calibration Factor = 72347.810108 (%RSD = 7.89)

AR1221-4
Component Type : Single Peak Component
Retention Time : 8.138 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	100046.82	23845.11	----------	----------	1
2	0.3000	61688.98	14911.98	----------	----------	1
3	0.2000	45282.61	10970.50	----------	----------	1
4	0.1000	23339.37	5680.26	----------	----------	1
5	0.0500	12180.36	2988.03	----------	----------	1

Average Calibration Factor = 221827.491528 (%RSD = 8.32)

Calibration Replicate Lists
Component : AR1221-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
26688.61	6462.25	0.5000	----------	----------	10/02/08	11:40:18	E:\90sep08\C092308.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
16840.13	4001.45	0.3000	----------	----------	10/02/08	11:40:19	E:\90sep08\C092309.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
11430.24	2822.29	0.2000	----------	----------	10/02/08	11:40:19	E:\90sep08\C092310.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5563.96	1418.59	0.1000	----------	----------	10/02/08	11:40:19	E:\90sep08\C092311.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
3281.12	777.55	0.0500	----------	----------	10/02/08	11:40:19	E:\90sep08\C092312.rst

Component : AR1221-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
46401.22	10762.81	0.5000	----------	----------	10/02/08	11:40:18	E:\90sep08\C092308.rst

Level : 2

10/02/08 11:40:26 Method: E:\Methods\c21092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
27153.70	6465.71	0.3000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092309.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
20059.04	4717.16	0.2000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092310.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
10190.89	2381.40	0.1000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092311.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5155.55	1223.51	0.0500	-------	-------	10/02/08	11:40:19	E:\90sep08\C092312.rst

Component : AR1221-3

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
33389.36	8030.75	0.5000	-------	-------	10/02/08	11:40:18	E:\90sep08\C092308.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
20037.78	4833.65	0.3000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092309.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
14626.73	3545.35	0.2000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092310.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7482.50	1811.33	0.1000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092311.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
4010.46	966.43	0.0500	-------	-------	10/02/08	11:40:19	E:\90sep08\C092312.rst

Component : AR1221-4

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
100046.82	23845.11	0.5000	-------	-------	10/02/08	11:40:18	E:\90sep08\C092308.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
61688.98	14911.98	0.3000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092309.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45282.61	10970.50	0.2000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092310.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
23339.37	5680.26	0.1000	-------	-------	10/02/08	11:40:19	E:\90sep08\C092311.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12180.36	2988.03	0.0500	-------	-------	10/02/08	11:40:19	E:\90sep08\C092312.rst

Turbochrom Method File E:\Methods\c32092308.mth
Printed by : manager on: 10/02/08 12:20:00
Created by : manager on: 09/24/08 15:29:09
Edited by : manager on: 10/02/08 12:19:58
Number of Times Edited : 2
Number of Times Calibrated : 48
Description: AR1232 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1232-1
Component Type : Single Peak Component
Retention Time : 8.139 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	104036.12	24857.81	----------	----------	1
2	0.3000	66665.68	16009.26	----------	----------	1
3	0.2000	45795.90	11012.12	----------	----------	1
4	0.1000	24482.85	5949.24	----------	----------	1
5	0.0500	12322.93	3054.82	----------	----------	1

Average Calibration Factor = 230111.553592 (%RSD = 6.98)

AR1232-2
Component Type : Single Peak Component
Retention Time : 9.431 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	103879.63	19617.13	----------	----------	1
2	0.3000	66252.28	12668.78	----------	----------	1
3	0.2000	45320.91	8656.36	----------	----------	1
4	0.1000	24093.01	4692.21	----------	----------	1
5	0.0500	12480.53	2408.49	----------	----------	1

Average Calibration Factor = 229149.090520 (%RSD = 7.21)

AR1232-3
Component Type : Single Peak Component
Retention Time : 10.564 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 12:20:00 Method: E:\Methods\c32092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	189416.83	29482.60	----------	----------	1
2	0.3000	121029.36	19079.50	----------	----------	1
3	0.2000	82625.02	13175.70	----------	----------	1
4	0.1000	44366.83	7095.92	----------	----------	1
5	0.0500	22740.46	3615.11	----------	----------	1

Average Calibration Factor = 418773.521887 (%RSD = 7.34)

AR1232-4
Component Type : Single Peak Component
Retention Time : 12.561 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	72115.60	11767.51	----------	----------	1
2	0.3000	45368.06	7438.40	----------	----------	1
3	0.2000	30128.39	4969.06	----------	----------	1
4	0.1000	17011.85	2709.50	----------	----------	1
5	0.0500	8206.81	1358.48	----------	----------	1

Average Calibration Factor = 156070.938317 (%RSD = 6.84)

AR1232-5
Component Type : Single Peak Component
Retention Time : 14.410 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	54257.98	12264.02	----------	----------	1
2	0.3000	33686.59	7577.80	----------	----------	1
3	0.2000	22615.96	5096.06	----------	----------	1
4	0.1000	12495.29	2714.91	----------	----------	1
5	0.0500	5787.30	1325.94	----------	----------	1

Average Calibration Factor = 114916.663250 (%RSD = 5.38)

Calibration Replicate Lists
Component : AR1232-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
104036.12	24857.81	0.5000	---------	---------	10/02/08	12:19:51	E:\90sep08\C092313.rst

Level : 2

10/02/08 12:20:00 Method: E:\Methods\c32092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
66665.68	16009.26	0.3000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092314.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45795.90	11012.12	0.2000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092315.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24482.85	5949.24	0.1000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092316.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12322.93	3054.82	0.0500	-------	-------	10/02/08	12:19:52	E:\90sep08\C092317.rst

Component : AR1232-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
103879.63	19617.13	0.5000	-------	-------	10/02/08	12:19:51	E:\90sep08\C092313.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
66252.28	12668.78	0.3000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092314.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45320.91	8656.36	0.2000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092315.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24093.01	4692.21	0.1000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092316.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12480.53	2408.49	0.0500	-------	-------	10/02/08	12:19:52	E:\90sep08\C092317.rst

Component : AR1232-3
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
189416.83	29482.60	0.5000	-------	-------	10/02/08	12:19:51	E:\90sep08\C092313.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
121029.36	19079.50	0.3000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092314.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
82625.02	13175.70	0.2000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092315.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
44366.83	7095.92	0.1000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092316.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22740.46	3615.11	0.0500	-------	-------	10/02/08	12:19:52	E:\90sep08\C092317.rst

Component : AR1232-4
Level : 1

10/02/08 12:20:00 Method: E:\Methods\c32092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
72115.60	11767.51	0.5000	-------	-------	10/02/08	12:19:51	E:\90sep08\C092313.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
45368.06	7438.40	0.3000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092314.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
30128.39	4969.06	0.2000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092315.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
17011.85	2709.50	0.1000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092316.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
8206.81	1358.48	0.0500	-------	-------	10/02/08	12:19:52	E:\90sep08\C092317.rst

Component : AR1232-5

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
54257.98	12264.02	0.5000	-------	-------	10/02/08	12:19:51	E:\90sep08\C092313.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
33686.59	7577.80	0.3000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092314.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
22615.96	5096.06	0.2000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092315.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
12495.29	2714.91	0.1000	-------	-------	10/02/08	12:19:52	E:\90sep08\C092316.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
5787.30	1325.94	0.0500	-------	-------	10/02/08	12:19:52	E:\90sep08\C092317.rst

Turbochrom Method File E:\Methods\c42092308.mth
Printed by : manager on: 10/02/08 12:23:29
Created by : manager on: 09/24/08 15:29:24
Edited by : manager on: 10/02/08 12:23:26
Number of Times Edited : 2
Number of Times Calibrated : 57
Description: AR1242 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1242-1
Component Type : Single Peak Component
Retention Time : 8.137 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	71979.33	17306.72	----------	----------	1
2	0.3000	43964.91	10637.42	----------	----------	1
3	0.2000	30382.74	7418.24	----------	----------	1
4	0.1000	16266.31	3982.08	----------	----------	1
5	0.0500	8276.45	2026.93	----------	----------	1

Average Calibration Factor = 154122.824255 (%RSD = 6.23)

AR1242-2
Component Type : Single Peak Component
Retention Time : 9.430 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	144011.12	28890.46	----------	----------	1
2	0.3000	89337.71	18100.75	----------	----------	1
3	0.2000	62299.69	12762.15	----------	----------	1
4	0.1000	34254.21	7002.01	----------	----------	1
5	0.0500	17558.37	3667.43	----------	----------	1

Average Calibration Factor = 318204.505233 (%RSD = 8.68)

AR1242-3
Component Type : Single Peak Component
Retention Time : 10.561 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 12:23:29 Method: E:\Methods\c42092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	283661.21	43995.30	----------	----------	1
2	0.3000	175715.83	27420.65	----------	----------	1
3	0.2000	123974.65	19466.96	----------	----------	1
4	0.1000	67548.94	10635.63	----------	----------	1
5	0.0500	35145.79	5583.32	----------	----------	1

Average Calibration Factor = 630264.041522 (%RSD = 9.18)

AR1242-4
Component Type : Single Peak Component
Retention Time : 12.559 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	116622.35	19436.20	----------	----------	1
2	0.3000	70893.92	11774.24	----------	----------	1
3	0.2000	49550.72	8285.13	----------	----------	1
4	0.1000	26167.10	4422.53	----------	----------	1
5	0.0500	13308.98	2289.25	----------	----------	1

Average Calibration Factor = 249032.378833 (%RSD = 5.91)

AR1242-5
Component Type : Single Peak Component
Retention Time : 14.408 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	90482.73	20098.86	----------	----------	1
2	0.3000	54329.52	12144.49	----------	----------	1
3	0.2000	37467.67	8376.05	----------	----------	1
4	0.1000	19748.14	4459.26	----------	----------	1
5	0.0500	10689.91	2338.37	----------	----------	1

Average Calibration Factor = 192136.353973 (%RSD = 7.21)

Calibration Replicate Lists
Component : AR1242-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
71979.33	17306.72	0.5000	----------	----------	10/02/08	12:23:21	E:\90sep08\C092318.rst

Level : 2

10/02/08 12:23:29 Method: E:\Methods\c42092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
43964.91	10637.42	0.3000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092319.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
30382.74	7418.24	0.2000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092320.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
16266.31	3982.08	0.1000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092321.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
8276.45	2026.93	0.0500	-------	-------	10/02/08	12:23:22	E:\90sep08\C092322.rst

Component : AR1242-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
144011.12	28890.46	0.5000	-------	-------	10/02/08	12:23:21	E:\90sep08\C092318.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
89337.71	18100.75	0.3000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092319.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
62299.69	12762.15	0.2000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092320.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
34254.21	7002.01	0.1000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092321.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
17558.37	3667.43	0.0500	-------	-------	10/02/08	12:23:22	E:\90sep08\C092322.rst

Component : AR1242-3
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
283661.21	43995.30	0.5000	-------	-------	10/02/08	12:23:21	E:\90sep08\C092318.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
175715.83	27420.65	0.3000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092319.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
123974.65	19466.96	0.2000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092320.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
67548.94	10635.63	0.1000	-------	-------	10/02/08	12:23:22	E:\90sep08\C092321.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
35145.79	5583.32	0.0500	-------	-------	10/02/08	12:23:22	E:\90sep08\C092322.rst

Component : AR1242-4
Level : 1

10/02/08 12:23:29 Method: E:\Methods\c42092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
116622.35	19436.20	0.5000	----------	----------	10/02/08	12:23:21	E:\90sep08\C092318.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
70893.92	11774.24	0.3000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092319.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
49550.72	8285.13	0.2000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092320.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
26167.10	4422.53	0.1000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092321.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13308.98	2289.25	0.0500	----------	----------	10/02/08	12:23:22	E:\90sep08\C092322.rst

Component : AR1242-5

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
90482.73	20098.86	0.5000	----------	----------	10/02/08	12:23:21	E:\90sep08\C092318.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
54329.52	12144.49	0.3000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092319.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
37467.67	8376.05	0.2000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092320.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
19748.14	4459.26	0.1000	----------	----------	10/02/08	12:23:22	E:\90sep08\C092321.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
10689.91	2338.37	0.0500	----------	----------	10/02/08	12:23:22	E:\90sep08\C092322.rst

Turbochrom Method File E:\Methods\c48092308.mth
Printed by : manager on: 10/02/08 13:55:16
Created by : manager on: 09/24/08 15:29:40
Edited by : manager on: 10/02/08 13:55:14
Number of Times Edited : 2
Number of Times Calibrated : 58
Description: AR1248 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1248-1
Component Type : Single Peak Component
Retention Time : 9.427 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	68550.67	14199.16	----------	----------	1
2	0.3000	43937.91	9305.40	----------	----------	1
3	0.2000	28873.54	6168.56	----------	----------	1
4	0.1000	15526.81	3368.30	----------	----------	1
5	0.0500	7803.18	1681.17	----------	----------	1

Average Calibration Factor = 147852.070452 (%RSD = 5.37)

AR1248-2
Component Type : Single Peak Component
Retention Time : 10.550 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	169805.56	25526.94	----------	----------	1
2	0.3000	110953.21	16762.99	----------	----------	1
3	0.2000	74022.12	11226.44	----------	----------	1
4	0.1000	39887.03	6089.73	----------	----------	1
5	0.0500	20320.79	3146.87	----------	----------	1

Average Calibration Factor = 376970.357798 (%RSD = 7.07)

AR1248-3
Component Type : Single Peak Component
Retention Time : 11.545 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 13:55:16 Method: E:\Methods\c48092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	138481.77	22479.00	----------	----------	1
2	0.3000	91810.43	14939.57	----------	----------	1
3	0.2000	60820.64	10092.64	----------	----------	1
4	0.1000	31591.24	5582.90	----------	----------	1
5	0.0500	15257.96	2834.35	----------	----------	1

Average Calibration Factor = 301634.625786 (%RSD = 4.83)

AR1248-4
Component Type : Single Peak Component
Retention Time : 14.405 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	121501.77	26752.23	----------	----------	1
2	0.3000	78136.80	17537.61	----------	----------	1
3	0.2000	51834.73	11557.08	----------	----------	1
4	0.1000	27625.22	6216.30	----------	----------	1
5	0.0500	13738.76	3127.11	----------	----------	1

Average Calibration Factor = 262732.104921 (%RSD = 5.16)

AR1248-5
Component Type : Single Peak Component
Retention Time : 15.927 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	66689.48	14024.41	----------	----------	1
2	0.3000	42429.03	9020.88	----------	----------	1
3	0.2000	28013.48	6052.34	----------	----------	1
4	0.1000	14587.83	3161.91	----------	----------	1
5	0.0500	7395.66	1559.33	----------	----------	1

Average Calibration Factor = 141733.586720 (%RSD = 3.99)

Calibration Replicate Lists
Component : AR1248-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
68550.67	14199.16	0.5000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092323.rst

Level : 2

10/02/08 13:55:16 Method: E:\Methods\c48092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
43937.91	9305.40	0.3000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092324.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
28873.54	6168.56	0.2000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092325.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
15526.81	3368.30	0.1000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092326.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7803.18	1681.17	0.0500	-------	-------	10/02/08	13:55:10	E:\90sep08\C092327.rst

Component : AR1248-2

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
169805.56	25526.94	0.5000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092323.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
110953.21	16762.99	0.3000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092324.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
74022.12	11226.44	0.2000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092325.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
39887.03	6089.73	0.1000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092326.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
20320.79	3146.87	0.0500	-------	-------	10/02/08	13:55:10	E:\90sep08\C092327.rst

Component : AR1248-3

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
138481.77	22479.00	0.5000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092323.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
91810.43	14939.57	0.3000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092324.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
60820.64	10092.64	0.2000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092325.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
31591.24	5582.90	0.1000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092326.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
15257.96	2834.35	0.0500	-------	-------	10/02/08	13:55:10	E:\90sep08\C092327.rst

Component : AR1248-4

Level : 1

10/02/08 13:55:16 Method: E:\Methods\c48092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
121501.77	26752.23	0.5000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092323.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
78136.80	17537.61	0.3000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092324.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
51834.73	11557.08	0.2000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092325.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
27825.22	6216.30	0.1000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092326.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
13738.76	3127.11	0.0500	-------	-------	10/02/08	13:55:10	E:\90sep08\C092327.rst

Component : AR1248-5
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
66689.48	14024.41	0.5000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092323.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
42429.03	9020.88	0.3000	-------	-------	10/02/08	13:55:09	E:\90sep08\C092324.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
28013.48	6052.34	0.2000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092325.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
14587.83	3161.91	0.1000	-------	-------	10/02/08	13:55:10	E:\90sep08\C092326.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
7395.66	1559.33	0.0500	-------	-------	10/02/08	13:55:10	E:\90sep08\C092327.rst

Turbochrom Method File E:\Methods\c54092308.mth
Printed by : manager on: 10/02/08 13:59:20
Created by : manager on: 09/24/08 15:29:57
Edited by : manager on: 10/02/08 13:59:17
Number of Times Edited : 2
Number of Times Calibrated : 46
Description: AR1254/60 - CHANNEL C

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will use the response factor of the nearest component
First peak will be relative retention reference

Component Information

AR1254-1
Component Type : Single Peak Component
Retention Time : 13.790 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	155513.73	30379.90	----------	----------	1
2	0.3000	96868.87	18983.68	----------	----------	1
3	0.2000	66878.37	13209.60	----------	----------	1
4	0.1000	36376.30	7254.29	----------	----------	1
5	0.0500	18373.21	3750.61	----------	----------	1

Average Calibration Factor = 339908.556799 (%RSD = 7.33)

AR1254-2
Component Type : Single Peak Component
Retention Time : 13.975 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	188101.75	35162.68	----------	----------	1
2	0.3000	117693.44	22559.17	----------	----------	1
3	0.2000	82377.75	15711.72	----------	----------	1
4	0.1000	42681.06	8698.41	----------	----------	1
5	0.0500	20729.34	4500.54	----------	----------	1

Average Calibration Factor = 404360.210889 (%RSD = 4.95)

AR1254-3
Component Type : Single Peak Component
Retention Time : 15.574 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

10/02/08 13:59:20 Method: E:\Methods\c54092308.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	248832.71	51096.83	----------	----------	1
2	0.3000	155171.73	31459.74	----------	----------	1
3	0.2000	106042.97	21898.98	----------	----------	1
4	0.1000	57881.39	11962.49	----------	----------	1
5	0.0500	29143.49	6154.81	----------	----------	1

Average Calibration Factor = 541360.620388 (%RSD = 7.00)

AR1254-4
Component Type : Single Peak Component
Retention Time : 15.925 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	213945.20	41894.41	----------	----------	1
2	0.3000	133571.19	26338.15	----------	----------	1
3	0.2000	90579.53	18006.20	----------	----------	1
4	0.1000	48600.39	9805.33	----------	----------	1
5	0.0500	24564.80	5042.58	----------	----------	1

Average Calibration Factor = 460665.055834 (%RSD = 5.90)

AR1254-5
Component Type : Single Peak Component
Retention Time : 17.682 min
Search Window : 1.04 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	0.5000	229586.57	40501.13	----------	----------	1
2	0.3000	140872.97	25075.07	----------	----------	1
3	0.2000	94171.15	16999.18	----------	----------	1
4	0.1000	49838.24	9241.36	----------	----------	1
5	0.0500	25079.95	4645.10	----------	----------	1

Average Calibration Factor = 479917.347984 (%RSD = 3.94)

Calibration Replicate Lists
Component : AR1254-1
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
155513.73	30379.90	0.5000	--------	---------	10/02/08	13:59:11	E:\90sep08\C092328.rst

Level : 2

10/02/08 13:59:20 Method: E:\Methods\c54092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
96868.87	18983.68	0.3000	-------	-------	10/02/08	13:59:11	E:\90sep08\C092329.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
66878.37	13209.60	0.2000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092330.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
36376.30	7254.29	0.1000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092331.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
18373.21	3750.61	0.0500	-------	-------	10/02/08	13:59:12	E:\90sep08\C092332.rst

Component : AR1254-2
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
188101.75	35162.68	0.5000	-------	-------	10/02/08	13:59:11	E:\90sep08\C092328.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
117693.44	22559.17	0.3000	-------	-------	10/02/08	13:59:11	E:\90sep08\C092329.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
82377.75	15711.72	0.2000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092330.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
42681.06	8698.41	0.1000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092331.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
20729.34	4500.54	0.0500	-------	-------	10/02/08	13:59:12	E:\90sep08\C092332.rst

Component : AR1254-3
Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
248832.71	51096.83	0.5000	-------	-------	10/02/08	13:59:11	E:\90sep08\C092328.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
155171.73	31459.74	0.3000	-------	-------	10/02/08	13:59:11	E:\90sep08\C092329.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
106042.97	21898.98	0.2000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092330.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
57881.39	11962.49	0.1000	-------	-------	10/02/08	13:59:12	E:\90sep08\C092331.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
29143.49	6154.81	0.0500	-------	-------	10/02/08	13:59:12	E:\90sep08\C092332.rst

Component : AR1254-4
Level : 1

10/02/08 13:59:20 Method: E:\Methods\c54092308.mth

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
213945.20	41894.41	0.5000	----------	----------	10/02/08	13:59:11	E:\90sep08\C092328.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
133571.19	26338.15	0.3000	----------	----------	10/02/08	13:59:11	E:\90sep08\C092329.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
90579.53	18006.20	0.2000	----------	----------	10/02/08	13:59:12	E:\90sep08\C092330.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
48600.39	9805.33	0.1000	----------	----------	10/02/08	13:59:12	E:\90sep08\C092331.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
24564.80	5042.58	0.0500	----------	----------	10/02/08	13:59:12	E:\90sep08\C092332.rst

Component : AR1254-5

Level : 1

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
229586.57	40501.13	0.5000	----------	----------	10/02/08	13:59:11	E:\90sep08\C092328.rst

Level : 2

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
140872.97	25075.07	0.3000	----------	----------	10/02/08	13:59:11	E:\90sep08\C092329.rst

Level : 3

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
94171.15	16999.18	0.2000	----------	----------	10/02/08	13:59:12	E:\90sep08\C092330.rst

Level : 4

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
49838.24	9241.36	0.1000	----------	----------	10/02/08	13:59:12	E:\90sep08\C092331.rst

Level : 5

Area	Height	Vol Adj Amt	ISTD Response	ISTD Amount	Date	Time	File
25079.95	4645.10	0.0500	----------	----------	10/02/08	13:59:12	E:\90sep08\C092332.rst

Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:18:55
Operator	: manager	Sample Name	: PIBLK
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/2
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 17:25:53	Cycle	: 2

Raw Data File : E:\90sep08\C092302.raw <Modified>
Result File : E:\90sep08\C092302.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092302.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

LABORATORY REPORT

ORGANOCHLORINE PESTICIDES/PCBS IN WATER

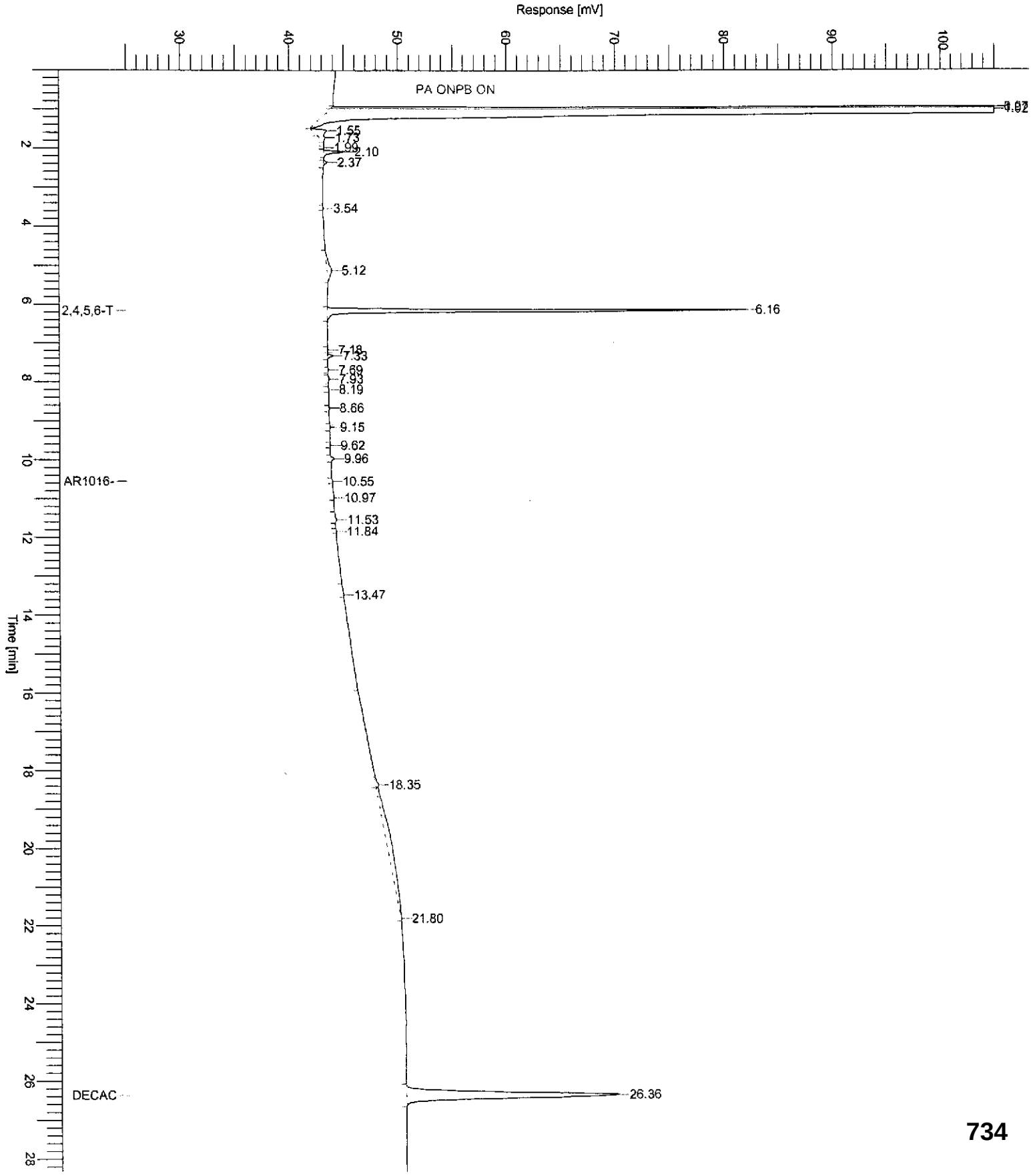
COLUMN: DB-608 30M X 0.53mm ID

Time [min]	Component Name	Area [uV*sec]	CALIBRATION RESPONSE	AMOUNT. NG	INJ. VOL UL	EXTRACT.VOL ML	SAMPLE SIZE(ML)	THEO.CON. TCMX/DCBP	% RECOVERY TCMX/DCBP
6.16	2,4,5,6-TCMX	156186.04	7884432.8	0.0198	1	1	1	20.00	99
26.36	DECACHLOROBIPHENYL	201392.81	10046154.3	0.0200	1	1	1	20.00	100

Report stored in ASCII file: E:\90sep08\C092302.TX0

Chromatogram

Sample Name : PIBLK Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092302.raw
Date : 10/02/08 14:19:02
Method : 5890-90 Time of Injection: 09/23/08 17:25:53
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:19:06
Operator	: manager	Sample Name	: AR1660-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/3
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 17:58:18	Cycle	: 3

Raw Data File : E:\90sep08\C092303.raw <Modified>
Result File : E:\90sep08\C092303.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092303.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

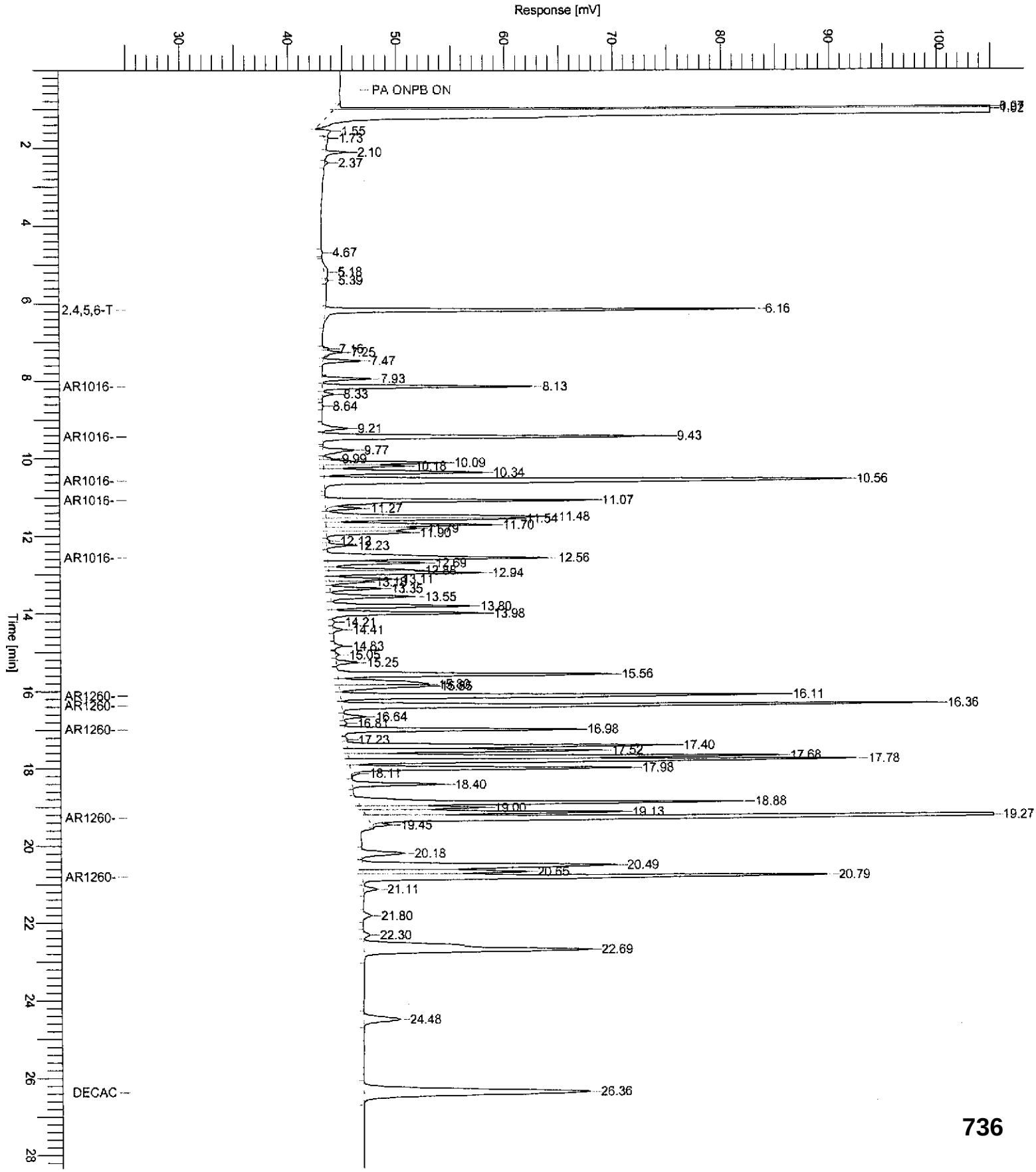
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.160	2,4,5,6-TCMX	162912.65	0.0207
8.135	AR1016-1	80903.00	0.4708
9.428	AR1016-2	158322.79	0.4456
10.559	AR1016-3	313000.32	0.4472
11.065	AR1016-4	122936.05	0.4637
12.558	AR1016-5	118376.60	0.4688
16.112	AR1260-1	212508.90	0.4455
16.361	AR1260-2	260670.85	0.4435
16.975	AR1260-3	99742.44	0.4794
19.268	AR1260-4	515929.96	0.4567
20.790	AR1260-5	247876.33	0.4649
26.364	DECACHLOROBIPHENYL	216624.98	0.0217
			4.6285

Report stored in ASCII file: E:\90sep08\C092303.TX0

Chromatogram

Sample Name : AR1660-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092303.raw
Date : 10/02/08 14:19:13
Method : 5890-90 Time of Injection: 09/23/08 17:58:18
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:19:17
Operator	: manager	Sample Name	: AR1660-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/4
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 16:30:42	Cycle	: 4

Raw Data File : E:\90sep08\C092304.raw <Modified>
Result File : E:\90sep08\C092304.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092304.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

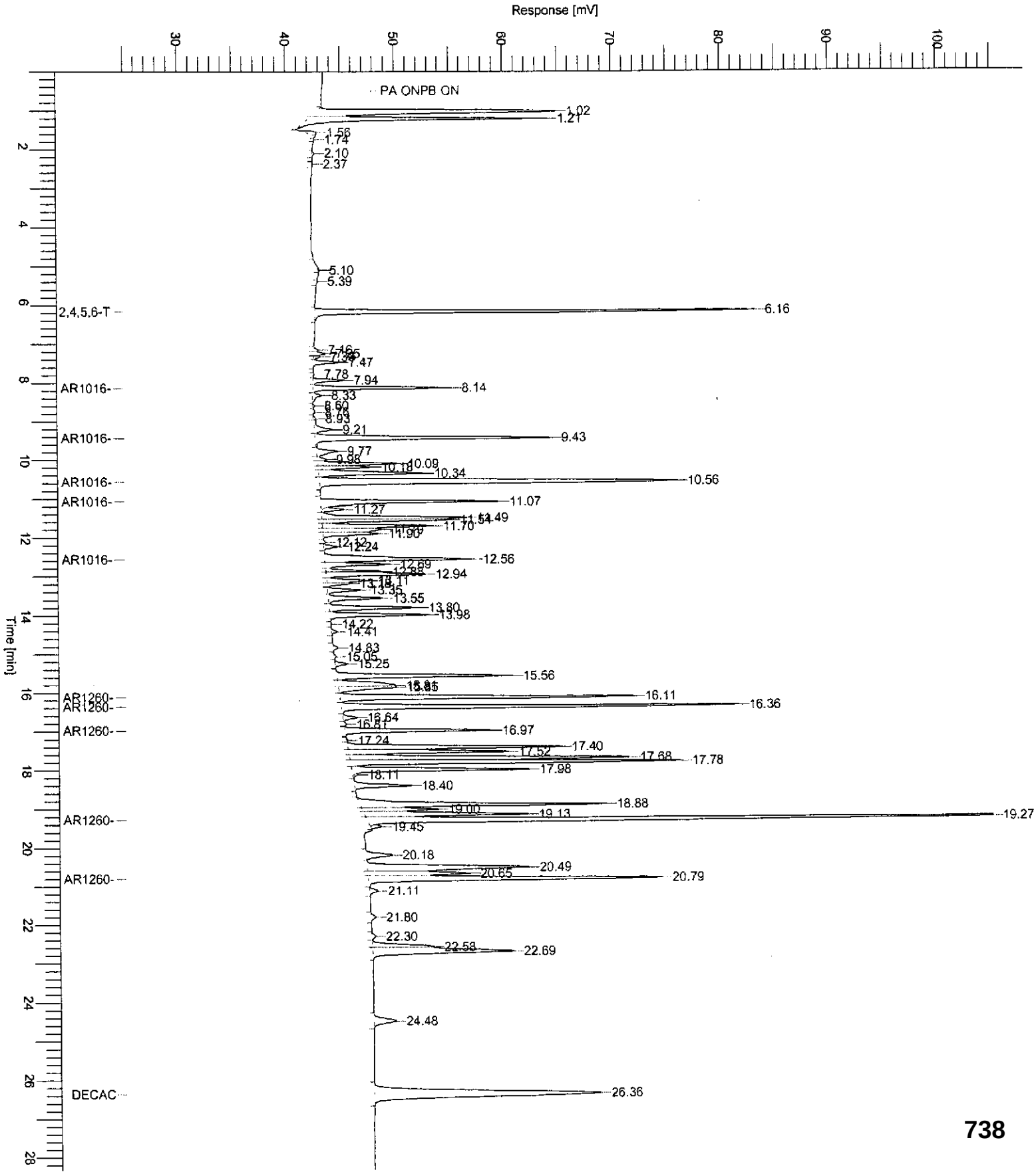
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	163173.81	0.0207
8.135	AR1016-1	53316.69	0.3103
9.428	AR1016-2	109899.90	0.3093
10.560	AR1016-3	211169.85	0.3017
11.066	AR1016-4	81720.94	0.3083
12.557	AR1016-5	78387.22	0.3104
16.112	AR1260-1	138987.14	0.2913
16.360	AR1260-2	170523.86	0.2901
16.975	AR1260-3	62893.40	0.3023
19.267	AR1260-4	329487.71	0.2917
20.788	AR1260-5	155770.00	0.2922
26.363	DECACHLOROBIPHENYL	216468.59	0.0217
			3.0500

Report stored in ASCII file: E:\90sep08\C092304.TX0

Chromatogram

Sample Name : AR1660-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092304.raw
Date : 10/02/08 14:19:24
Method : 5890-90 Time of Injection: 09/23/08 18:30:42
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:19:29
Operator	: manager	Sample Name	: AR1660-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/5
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 19:03:08	Cycle	: 5

Raw Data File : E:\90sep08\C092305.raw <Modified>
Result File : E:\90sep08\C092305.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092305.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

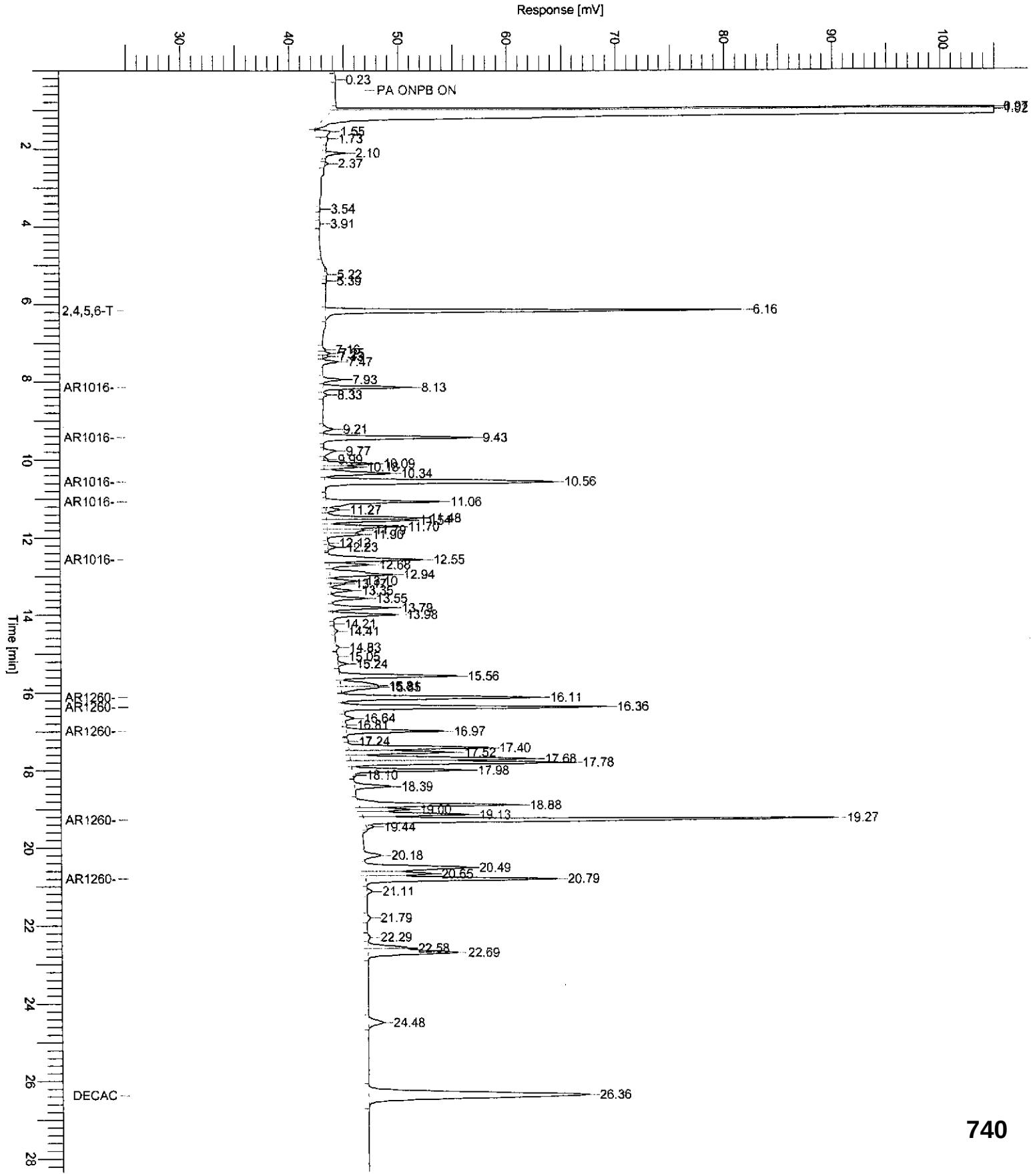
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
8.158	2,4,5,6-TCMX	155950.87	0.0198
8.133	AR1016-1	33560.72	0.1953
9.426	AR1016-2	68177.59	0.1919
10.557	AR1016-3	135818.63	0.1940
11.064	AR1016-4	51798.87	0.1954
12.555	AR1016-5	49483.87	0.1960
16.111	AR1260-1	93089.49	0.1951
16.359	AR1260-2	114127.62	0.1942
16.973	AR1260-3	40680.72	0.1955
19.266	AR1260-4	216366.28	0.1915
20.787	AR1260-5	101333.26	0.1901
26.364	DECACHLOROBIPHENYL	209359.67	0.0209
			1.9797

Report stored in ASCII file: E:\90sep08\C092305.TX0

Chromatogram

Sample Name : AR1660-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092305.raw
Date : 10/02/08 14:19:35
Method : 5890-90 Time of Injection: 09/23/08 19:03:08
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:19:40
Operator	: manager	Sample Name	: AR1660-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/6
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 19:35:32	Cycle	: 6

Raw Data File : E:\90sep08\C092306.raw <Modified>
Result File : E:\90sep08\C092306.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092306.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

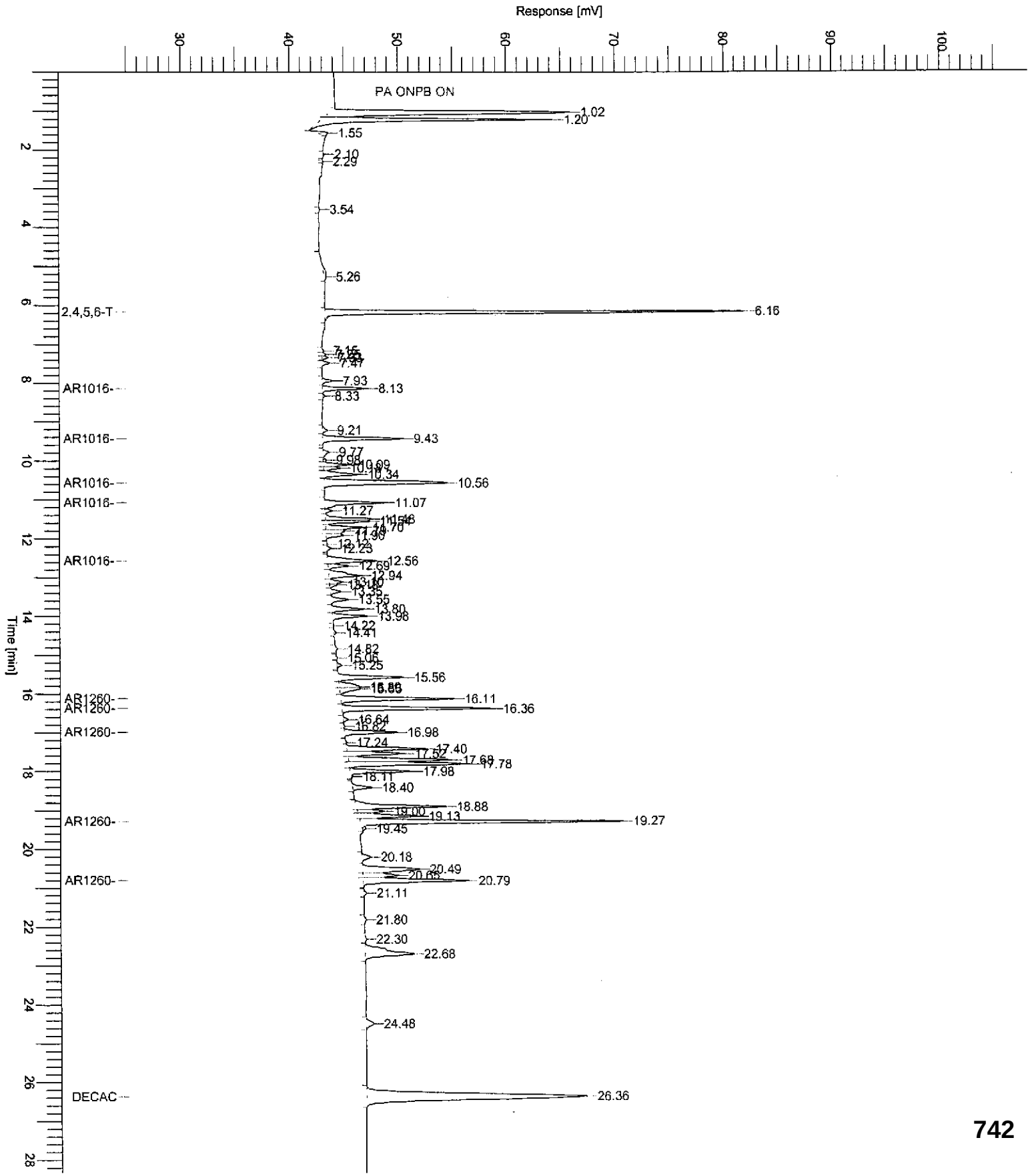
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	156581.01	0.0199
8.135	AR1016-1	17570.66	0.1023
9.428	AR1016-2	36099.36	0.1016
10.557	AR1016-3	72239.39	0.1032
11.065	AR1016-4	27174.43	0.1025
12.557	AR1016-5	25469.06	0.1009
16.113	AR1260-1	52480.57	0.1100
16.361	AR1260-2	64717.17	0.1101
16.975	AR1260-3	21988.28	0.1057
19.268	AR1260-4	120222.58	0.1064
20.789	AR1260-5	54944.53	0.1031
26.361	DECACHLOROBIPHENYL	208185.99	0.0208
			1.0864

Report stored in ASCII file: E:\90sep08\C092306.TX0

Chromatogram

Sample Name : AR1660-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092306.raw
Date : 10/02/08 14:19:47
Method : 5890-90 Time of Injection: 09/23/08 19:35:32
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:19:51
Operator	: manager	Sample Name	: AR1660-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/7
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/23/08 20:07:53	Cycle	: 7

Raw Data File : E:\90sep08\C092307.raw <Modified>
Result File : E:\90sep08\C092307.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092307.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

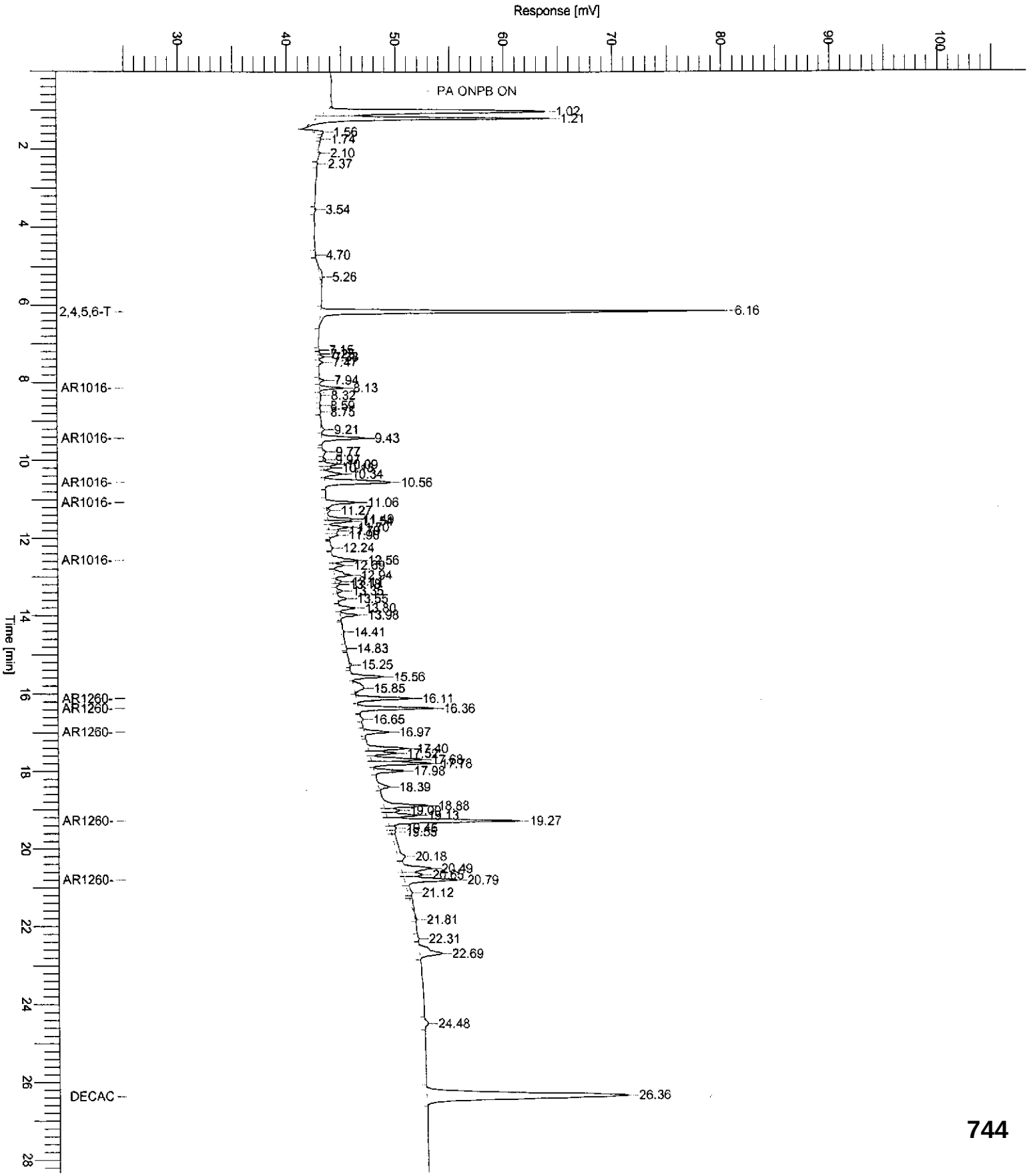
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	152902.97	0.0194
8.135	AR1016-1	8807.41	0.0513
9.428	AR1016-2	19584.22	0.0551
10.559	AR1016-3	38413.60	0.0549
11.065	AR1016-4	13824.54	0.0521
12.556	AR1016-5	13123.24	0.0520
16.112	AR1260-1	25337.39	0.0531
16.361	AR1260-2	31553.18	0.0537
16.974	AR1260-3	10391.29	0.0499
19.268	AR1260-4	61693.32	0.0546
20.790	AR1260-5	29732.57	0.0558
26.364	DECACHLOROBIPHENYL	190465.40	0.0188
			0.5707

Report stored in ASCII file: E:\90sep08\C092307.TX0

Chromatogram

Sample Name : AR1660-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092307.raw
Date : 10/02/08 14:19:58
Method : 5890-90 Time of Injection: 09/23/08 20:07:53
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:02
Operator	: manager	Sample Name	: AR1221-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/8
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 10:16:43	Cycle	: 8

Raw Data File : E:\90sep08\C092308.raw <Modified>
Result File : E:\90sep08\C092308.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092308.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c21092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

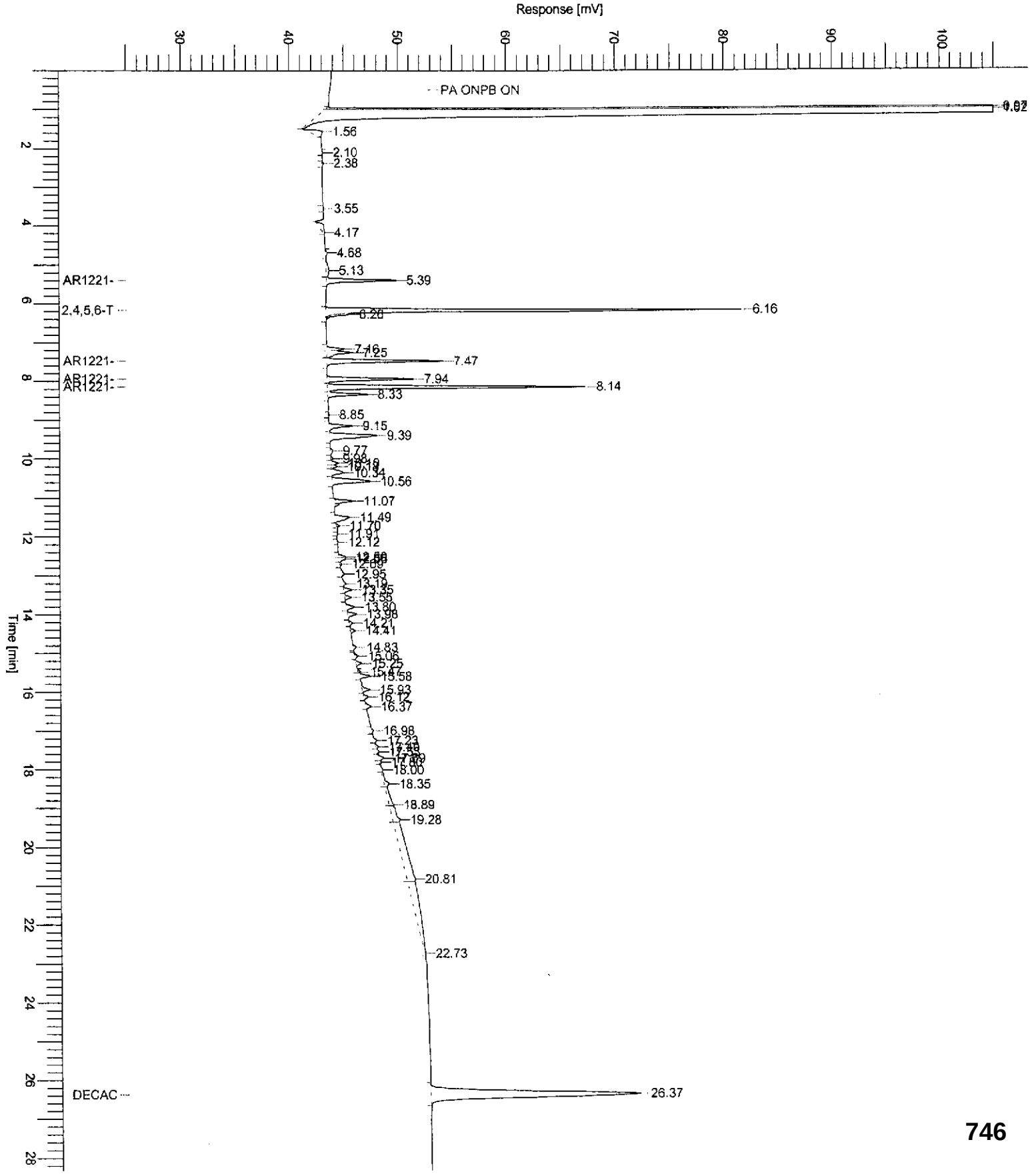
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
5.393	AR1221-1	26688.61	0.4635
6.162	2,4,5,6-TCMX	155316.59	0.0197
7.471	AR1221-2	46401.22	0.4748
7.936	AR1221-3	33389.36	0.4615
8.136	AR1221-4	100046.82	0.4510
26.370	DECACHLOROBIPHENYL	198339.45	0.0197
			1.8902

Report stored in ASCII file: E:\90sep08\C092308.TX0

Chromatogram

Sample Name : AR1221-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092308.raw
Date : 10/02/08 14:20:08
Method : 5890-90 Time of Injection: 09/24/08 10:16:43
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:12
Operator	: manager	Sample Name	: AR1221-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/9
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 10:49:02	Cycle	: 9

Raw Data File : E:\90sep08\C092309.raw <Modified>
Result File : E:\90sep08\C092309.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092309.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c21092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

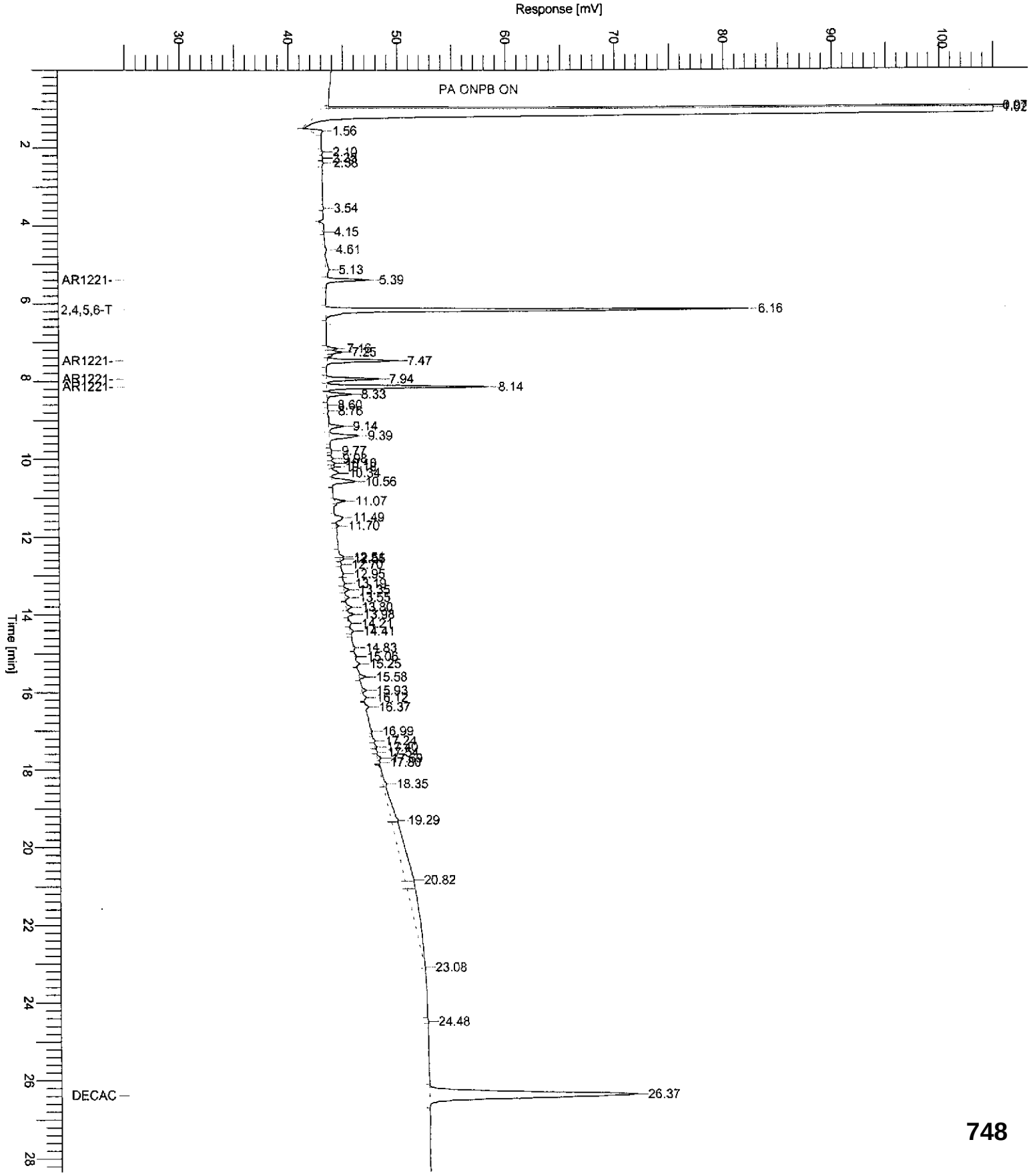
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
5.392	AR1221-1	16840.13	0.2924
6.161	2,4,5,6-TCMX	159855.60	0.0203
7.470	AR1221-2	27153.70	0.2779
7.936	AR1221-3	20037.78	0.2770
8.136	AR1221-4	61688.98	0.2781
26.371	DECACHLOROBIPHENYL	194140.12	0.0192
			1.1649

Report stored in ASCII file: E:\90sep08\C092309.TX0

Chromatogram

Sample Name : AR1221-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092309.raw
Date : 10/02/08 14:20:19
Method : 5890-90 Time of Injection: 09/24/08 10:49:02
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:23
Operator	: manager	Sample Name	: AR1221-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/10
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 11:21:55	Cycle	: 10

Raw Data File : E:\90sep08\C092310.raw <Modified>
Result File : E:\90sep08\C092310.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092310.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c21092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

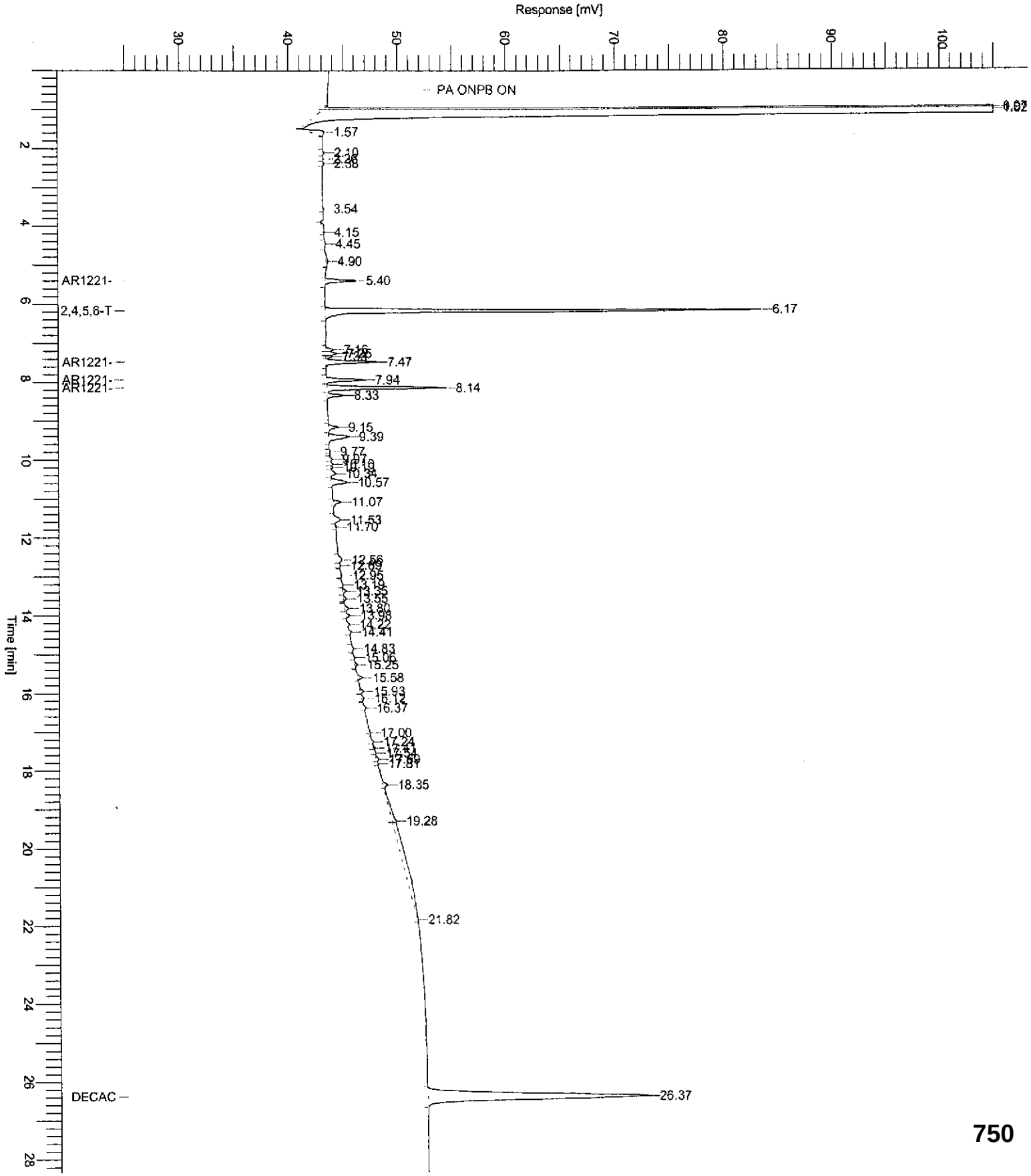
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
5.396	AR1221-1	11430.24	0.1985
6.165	2,4,5,6-TCMX	164641.48	0.0209
7.474	AR1221-2	20059.04	0.2053
7.939	AR1221-3	14626.73	0.2022
8.140	AR1221-4	45282.61	0.2041
26.371	DECACHLOROBIPHENYL	206611.54	0.0206
			0.8516

Report stored in ASCII file: E:\90sep08\C092310.TX0

Chromatogram

Sample Name : AR1221-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092310.raw
Date : 10/02/08 14:20:29
Method : 5890-90 Time of Injection: 09/24/08 11:21:55
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:33
Operator	: manager	Sample Name	: AR1221-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/11
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 11:54:17	Cycle	: 11

Raw Data File : E:\90sep08\C092311.raw <Modified>
Result File : E:\90sep08\C092311.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092311.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c21092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

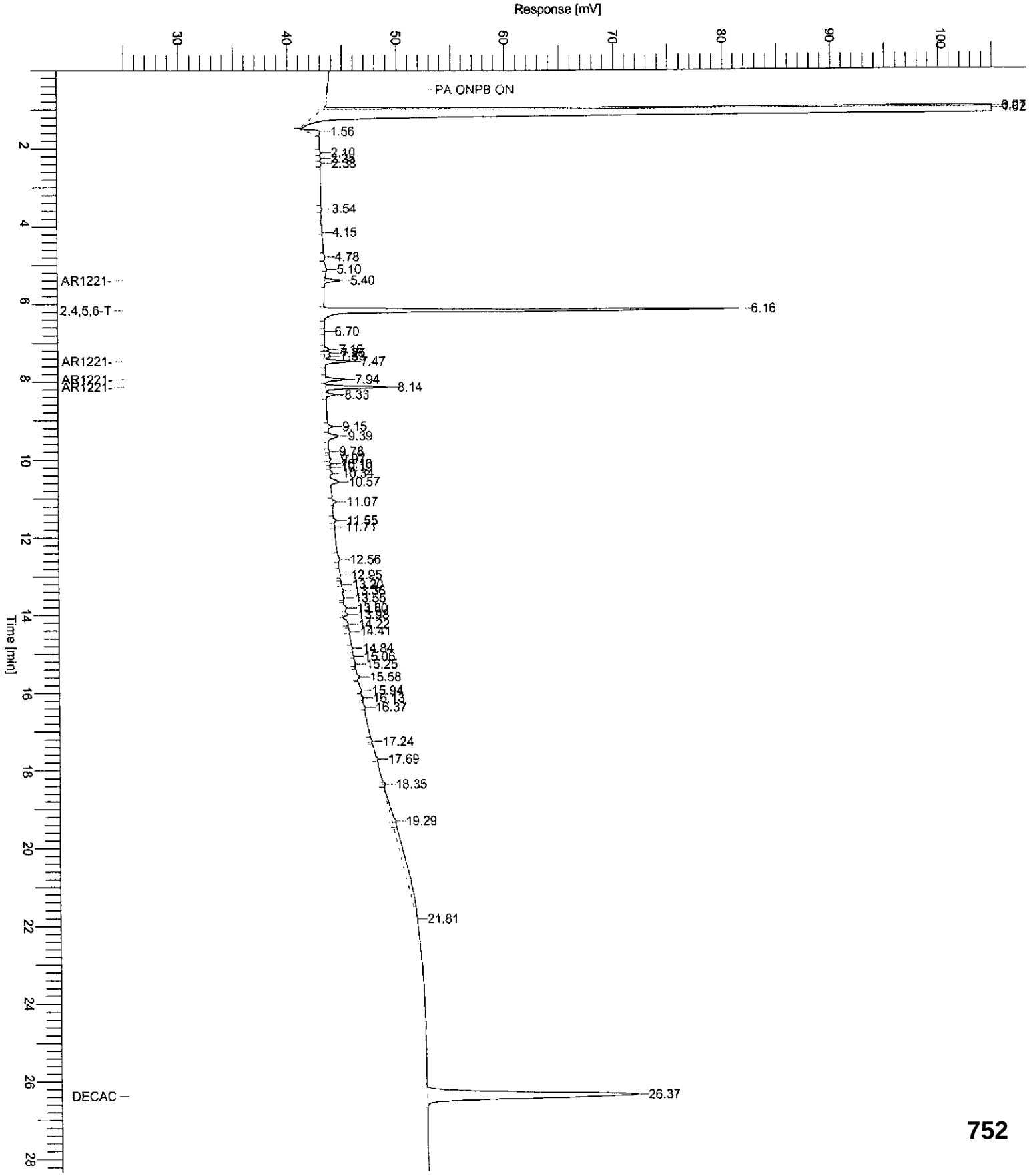
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
5.395	AR1221-1	5563.96	0.0966
6.163	2,4,5,6-TCMX	157216.35	0.0199
7.472	AR1221-2	10190.89	0.1043
7.938	AR1221-3	7482.50	0.1034
8.139	AR1221-4	23339.37	0.1052
26.371	DECACHLOROBIPHENYL	199383.08	0.0198
			0.4493

Report stored in ASCII file: E:\90sep08\C092311.TX0

Chromatogram

Sample Name : AR1221-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092311.raw
Date : 10/02/08 14:20:39
Method : 5890-90 Time of Injection: 09/24/08 11:54:17
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:43
Operator	: manager	Sample Name	: AR1221-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/12
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 12:26:41	Cycle	: 12

Raw Data File : E:\90sep08\C092312.raw <Modified>
Result File : E:\90sep08\C092312.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092312.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c21092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

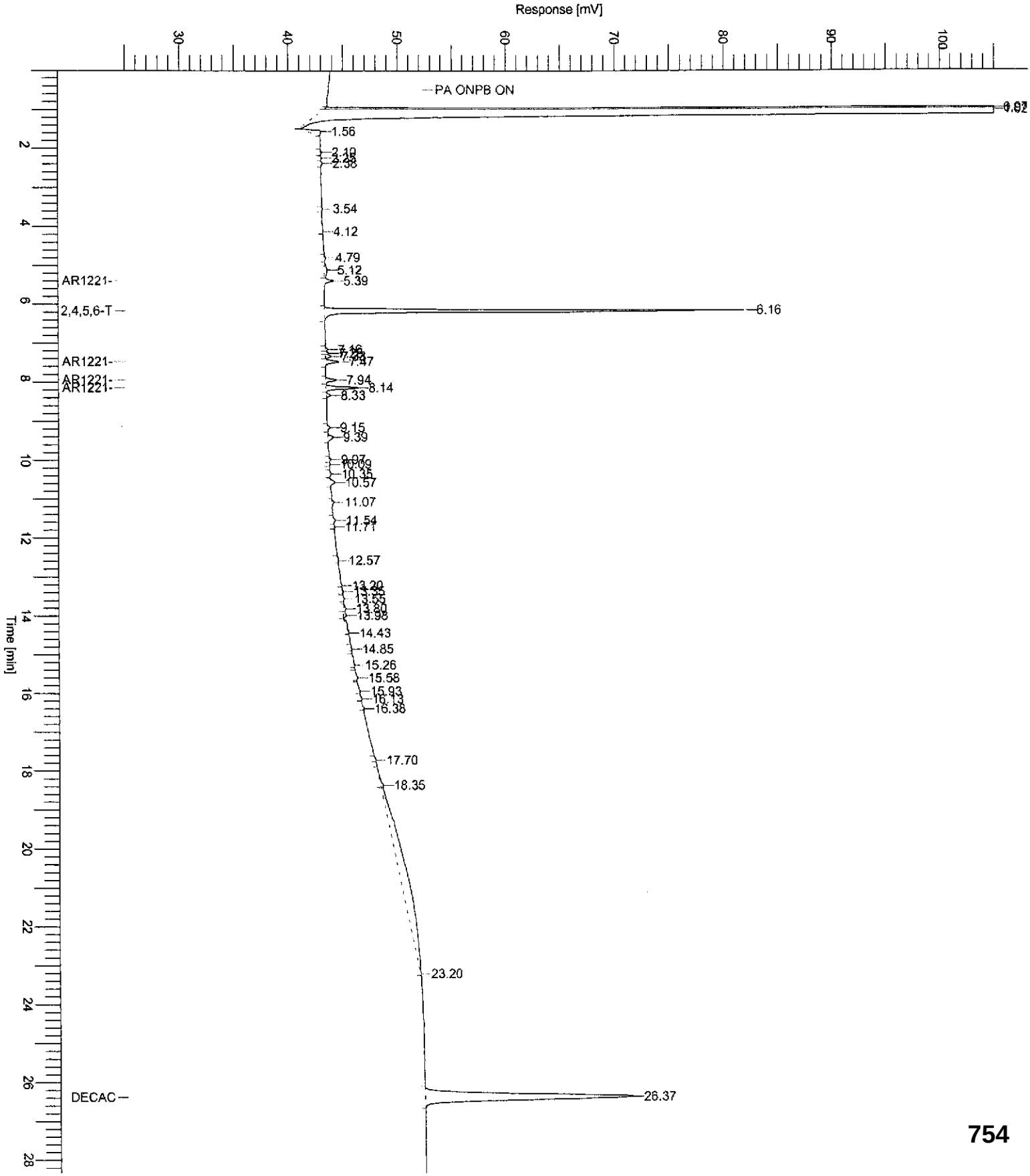
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
5.395	AR1221-1	3281.12	0.0570
6.164	2,4,5,6-TCMX	155820.34	0.0198
7.473	AR1221-2	5155.55	0.0528
7.937	AR1221-3	4010.46	0.0554
8.139	AR1221-4	12180.36	0.0549
26.370	DECACHLOROBIPHENYL	198268.93	0.0197
			0.2595

Report stored in ASCII file: E:\90sep08\C092312.TX0

Chromatogram

Sample Name : AR1221-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092312.raw
Date : 10/02/08 14:20:50
Method : 5890-90 Time of Injection: 09/24/08 12:26:41
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:20:54
Operator	: manager	Sample Name	: AR1232-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/13
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 12:58:59	Cycle	: 13

Raw Data File : E:\90sep08\C092313.raw <Modified>
Result File : E:\90sep08\C092313.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092313.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c32092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

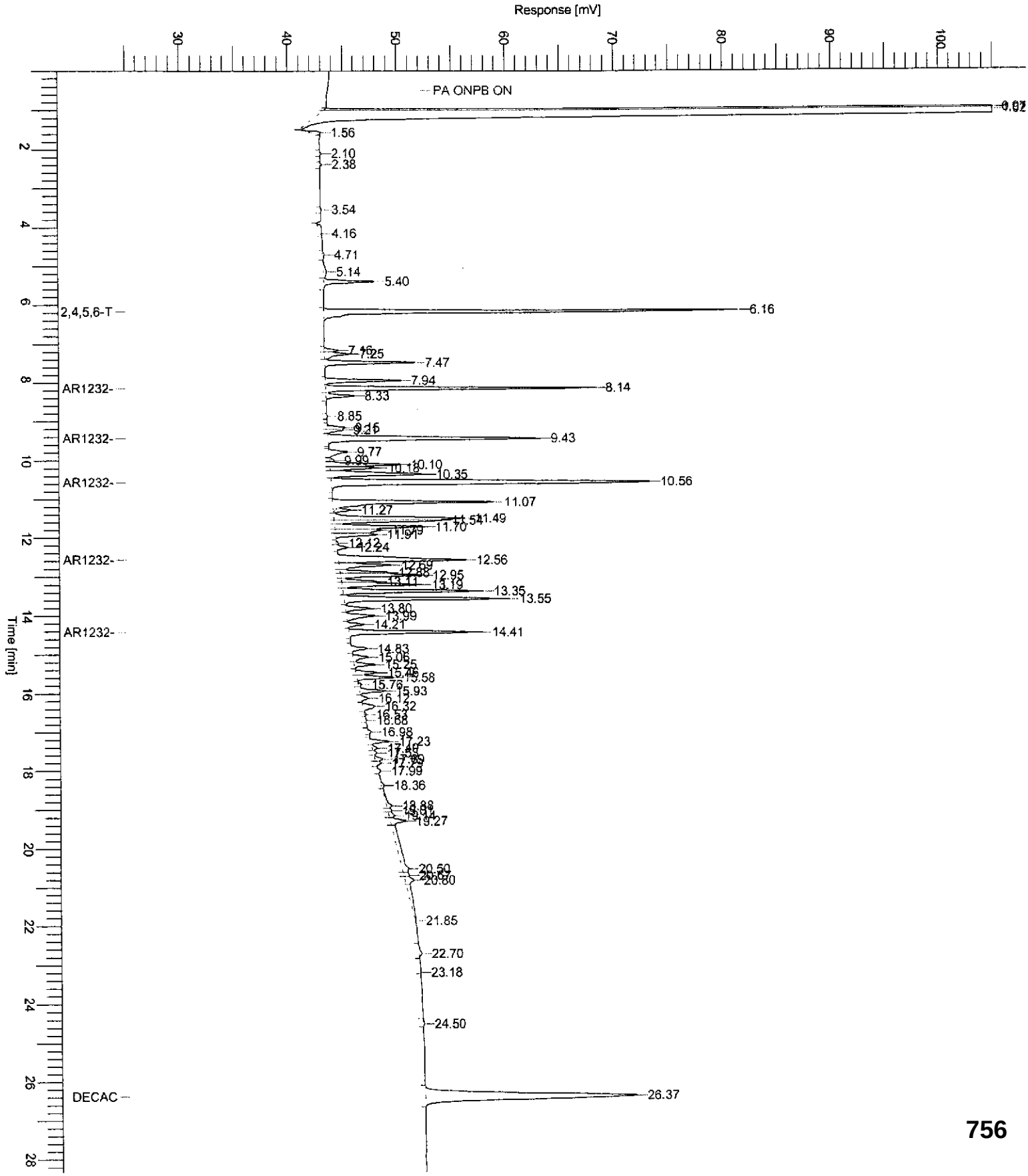
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.164	2,4,5,6-TCMX	159581.31	0.0202
8.139	AR1232-1	104036.12	0.4521
9.431	AR1232-2	103879.63	0.4533
10.563	AR1232-3	189416.83	0.4523
12.560	AR1232-4	72115.60	0.4621
14.409	AR1232-5	54257.98	0.4722
26.371	DECACHLOROBIPHENYL	200318.06	0.0199
			2.3321

Report stored in ASCII file: E:\90sep08\C092313.TX0

Chromatogram

Sample Name : AR1232-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092313.raw
Date : 10/02/08 14:21:00
Method : 5890-90 Time of Injection: 09/24/08 12:58:59
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:04
Operator	: manager	Sample Name	: AR1232-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/14
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 13:31:17	Cycle	: 14

Raw Data File : E:\90sep08\C092314.raw <Modified>
Result File : E:\90sep08\C092314.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092314.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c32092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

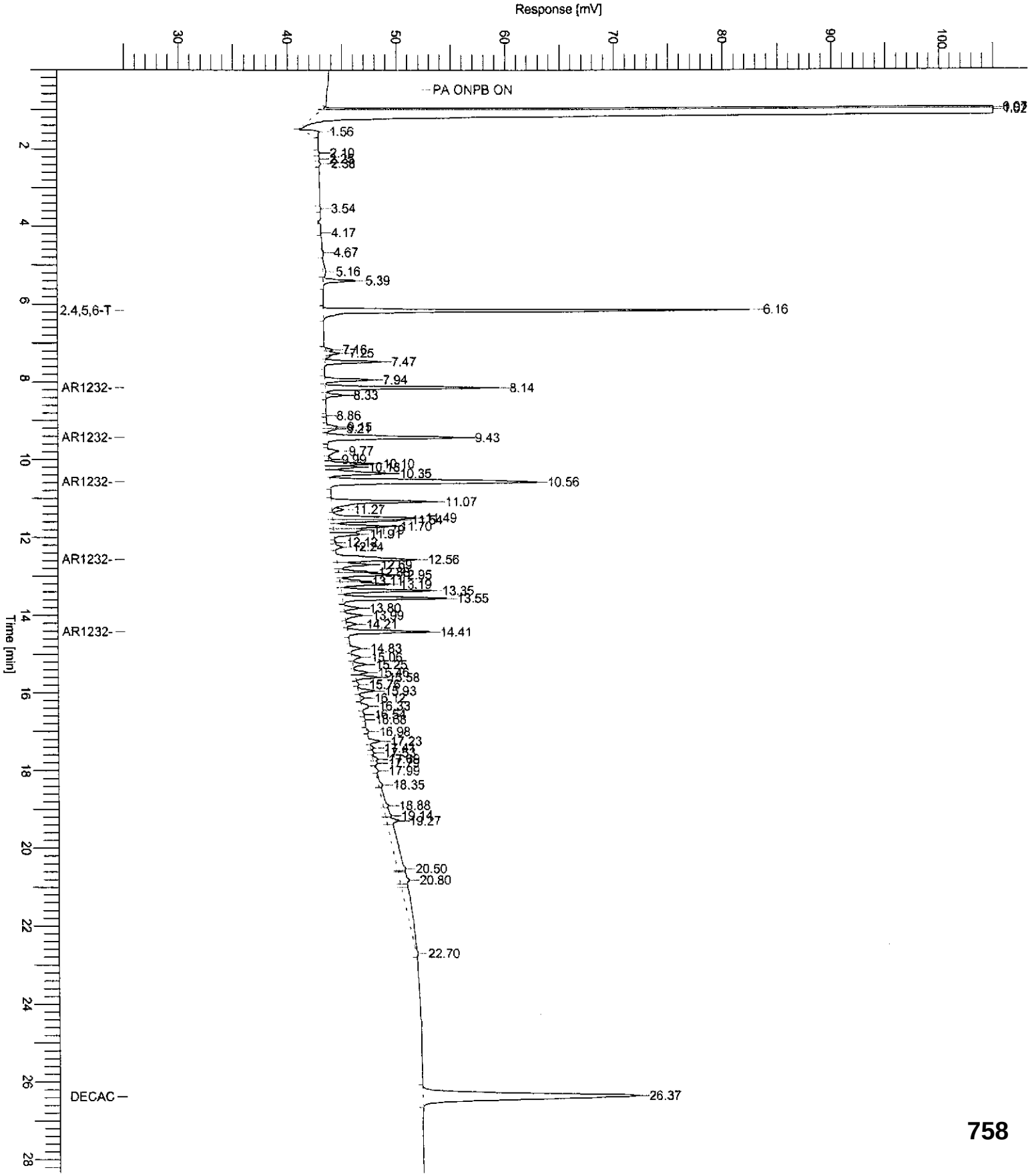
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.163	2,4,5,6-TCMX	161196.86	0.0204
8.138	AR1232-1	66665.68	0.2897
9.430	AR1232-2	66252.28	0.2891
10.564	AR1232-3	121029.36	0.2890
12.560	AR1232-4	45368.06	0.2907
14.410	AR1232-5	33686.59	0.2931
26.371	DECACHLOROBIPHENYL	203598.64	0.0203
			1.4924

Report stored in ASCII file: E:\90sep08\C092314.TX0

Chromatogram

Sample Name : AR1232-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092314.raw
Date : 10/02/08 14:21:10
Method : 5890-90 Time of Injection: 09/24/08 13:31:17
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:15
Operator	: manager	Sample Name	: AR1232-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/15
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 14:03:41	Cycle	: 15

Raw Data File : E:\90sep08\C092315.raw <Modified>
Result File : E:\90sep08\C092315.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092315.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c32092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

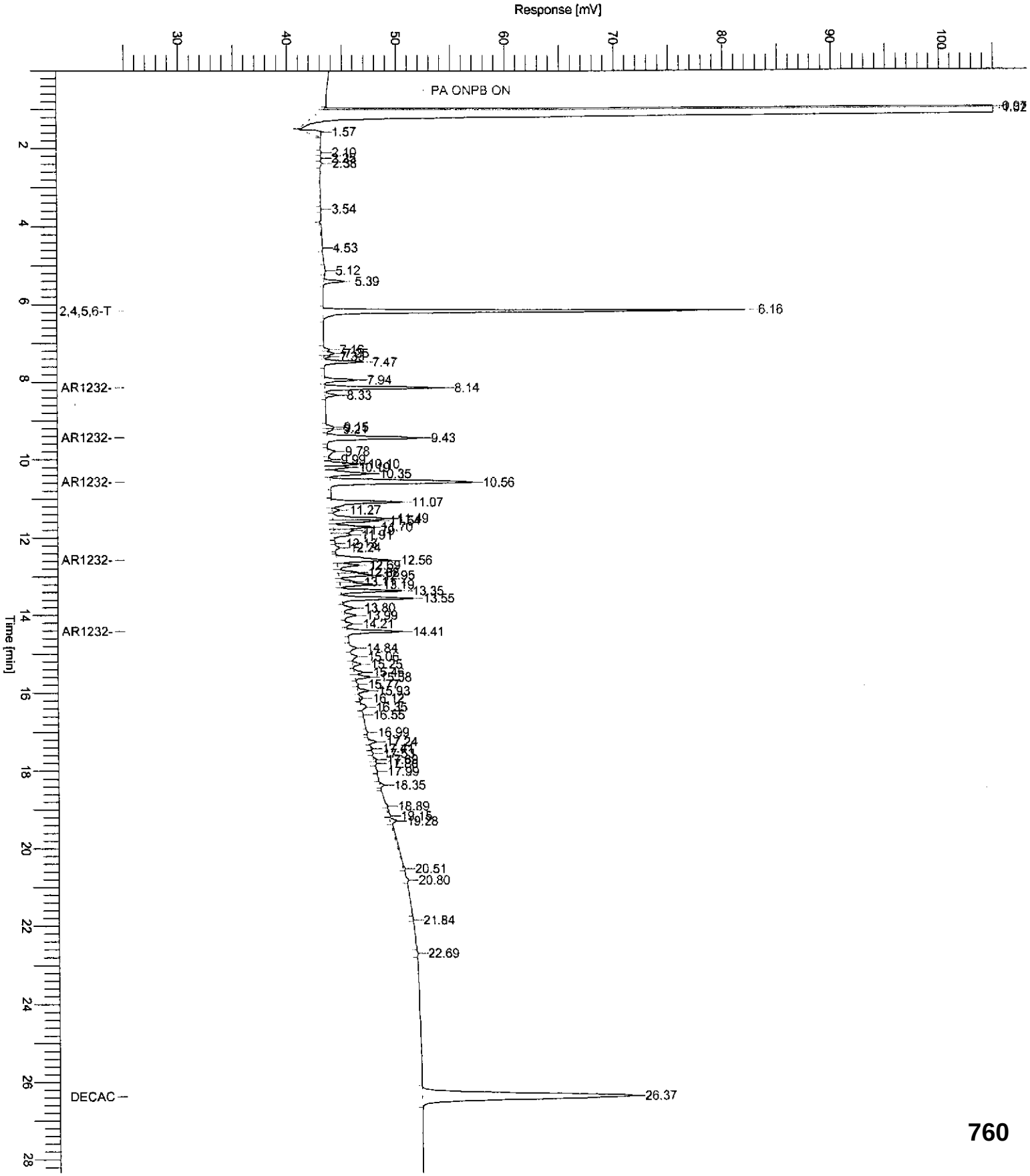
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.163	2,4,5,6-TCMX	159342.25	0.0202
8.139	AR1232-1	45795.90	0.1990
9.431	AR1232-2	45320.91	0.1978
10.564	AR1232-3	82625.02	0.1973
12.561	AR1232-4	30128.39	0.1930
14.411	AR1232-5	22615.96	0.1968
26.375	DECACHLOROBIPHENYL	202519.33	0.0202
			1.0243

Report stored in ASCII file: E:\90sep08\C092315.TX0

Chromatogram

Sample Name : AR1232-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092315.raw
Date : 10/02/08 14:21:21
Method : 5890-90 Time of Injection: 09/24/08 14:03:41
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:25
Operator	: manager	Sample Name	: AR1232-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/16
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 14:35:59	Cycle	: 16

Raw Data File : E:\90sep08\C092316.raw <Modified>
Result File : E:\90sep08\C092316.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092316.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c32092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

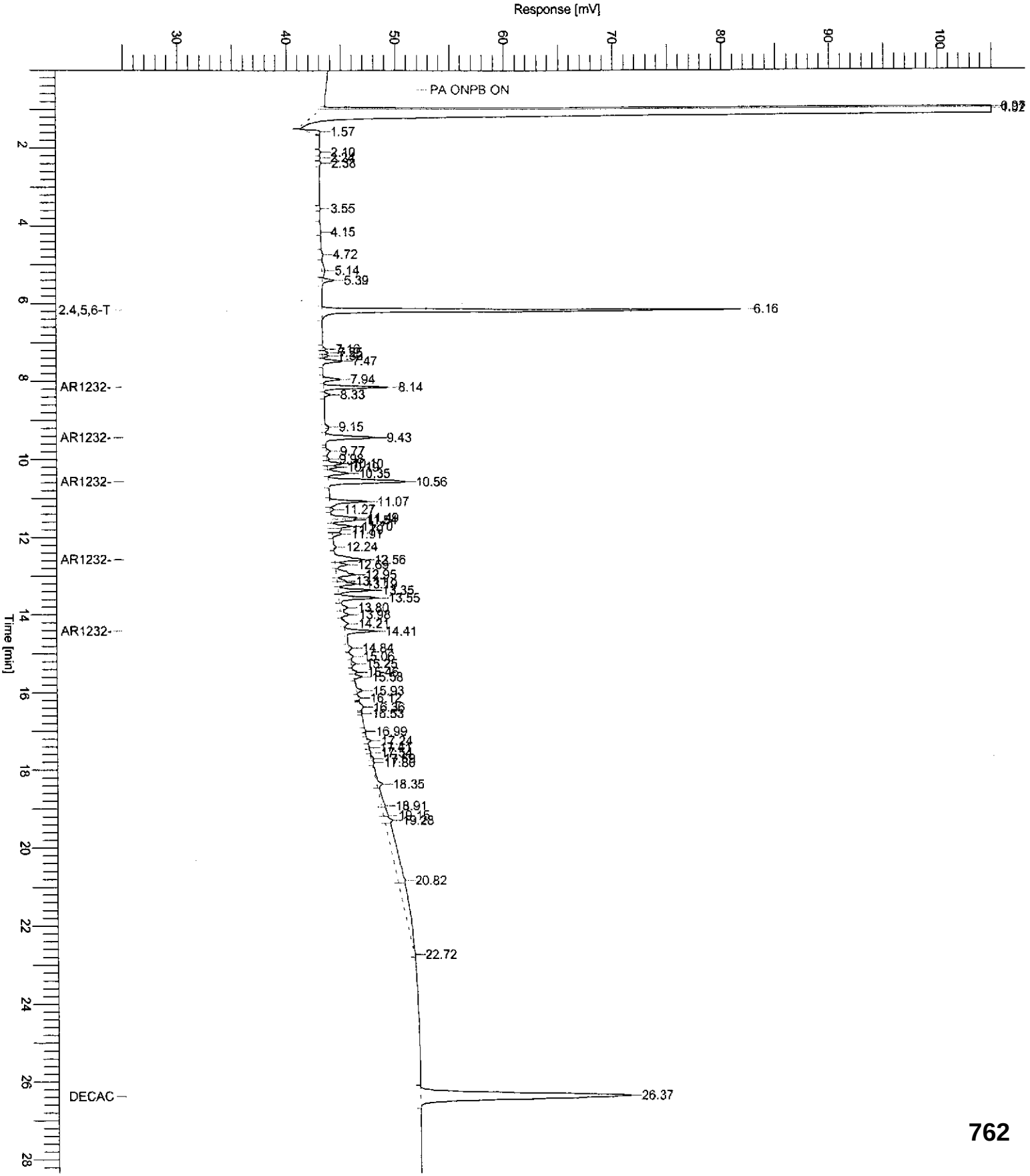
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.163	2,4,5,6-TCMX	156591.79	0.0199
8.139	AR1232-1	24482.85	0.1064
9.431	AR1232-2	24093.01	0.1051
10.564	AR1232-3	44366.83	0.1059
12.560	AR1232-4	17011.85	0.1090
14.409	AR1232-5	12495.29	0.1087
26.372	DECACHLOROBIPHENYL	199331.08	0.0198
			0.5749

Report stored in ASCII file: E:\90sep08\C092316.TXO

Chromatogram

Sample Name : AR1232-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092316.raw
Date : 10/02/08 14:21:31
Method : 5890-90 Time of Injection: 09/24/08 14:35:59
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:35
Operator	: manager	Sample Name	: AR1232-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/17
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 14:43:56	Cycle	: 17

Raw Data File : E:\90sep08\C092317.raw <Modified>
Result File : E:\90sep08\C092317.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092317.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c32092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

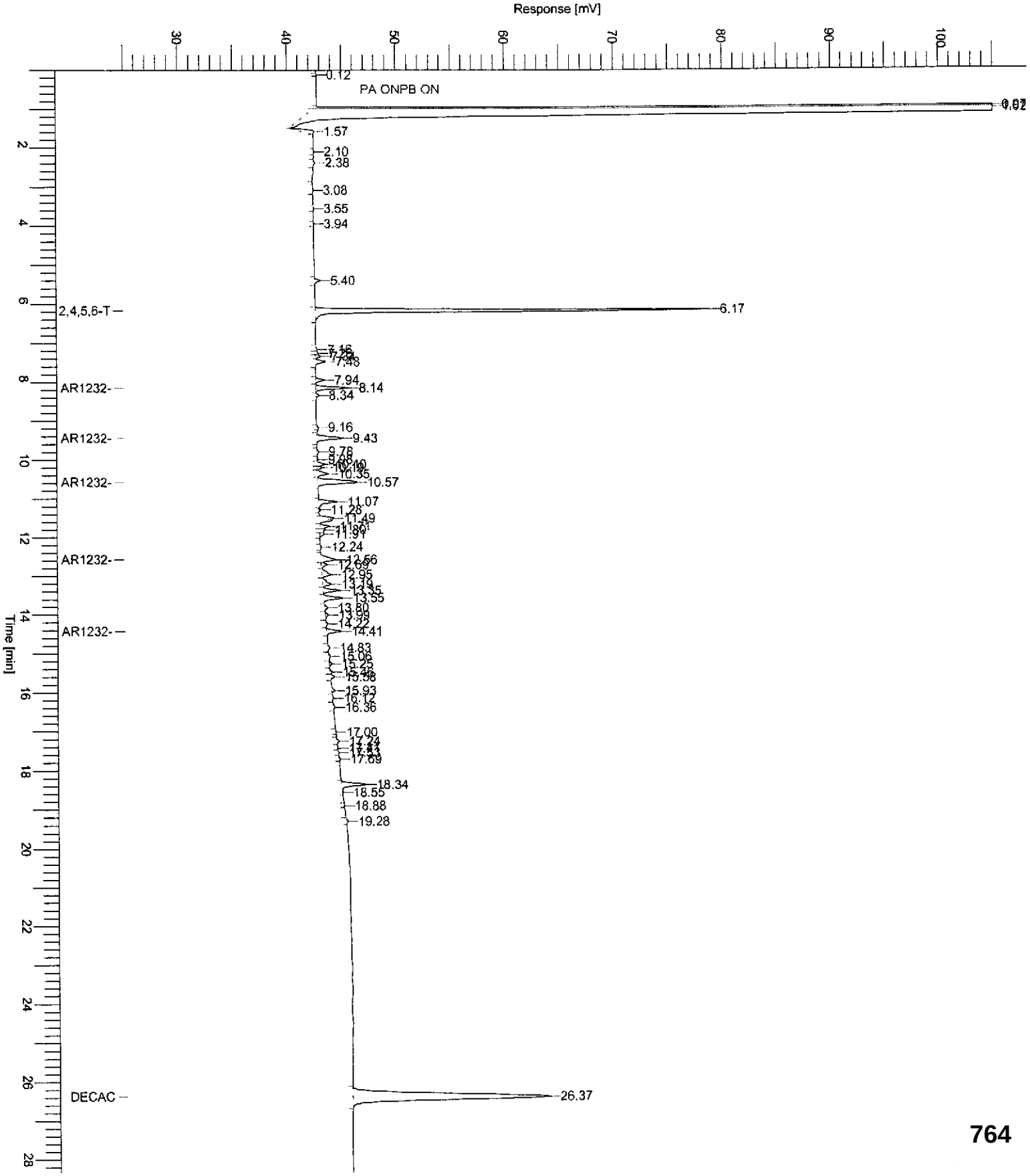
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.166	2,4,5,6-TCMX	146763.74	0.0186
8.142	AR1232-1	12322.93	0.0536
9.434	AR1232-2	12480.53	0.0545
10.567	AR1232-3	22740.46	0.0543
12.562	AR1232-4	8206.81	0.0526
14.411	AR1232-5	5787.30	0.0504
26.369	DECACHLOROBIPHENYL	188486.80	0.0186
			0.3025

Report stored in ASCII file: E:\90sep08\C092317.TXO

Chromatogram

Sample Name : AR1232-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092317.raw
Date : 10/02/08 14:21:42
Method : 5890-90 Time of Injection: 09/25/08 14:43:56
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:46
Operator	: manager	Sample Name	: AR1242-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/18
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 15:42:25	Cycle	: 18

Raw Data File : E:\90sep08\C092318.raw <Modified>
Result File : E:\90sep08\C092318.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092318.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c42092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

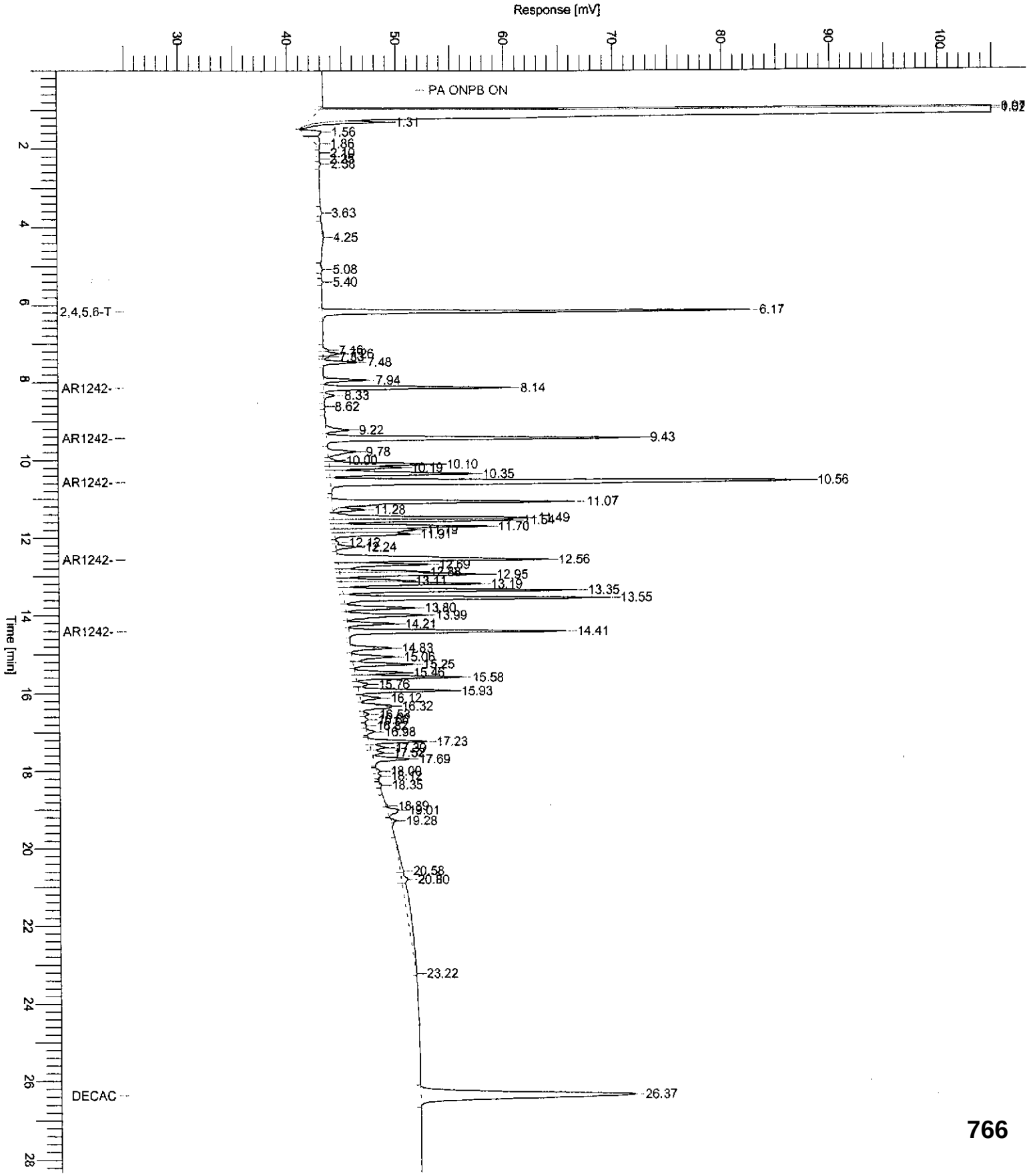
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.167	2,4,5,6-TCMX	157553.00	0.0200
8.141	AR1242-1	71979.33	0.4670
9.433	AR1242-2	144011.12	0.4526
10.564	AR1242-3	283661.21	0.4501
12.561	AR1242-4	116622.35	0.4683
14.410	AR1242-5	90482.73	0.4709
26.369	DECACHLOROBIPHENYL	205271.17	0.0205
			2.3494

Report stored in ASCII file: E:\90sep08\C092318.TX0

Chromatogram

Sample Name : AR1242-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092318.raw
Date : 10/02/08 14:21:52
Method : 5890-90 Time of Injection: 09/24/08 15:42:25
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:21:57
Operator	: manager	Sample Name	: AR1242-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/19
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 16:14:41	Cycle	: 19

Raw Data File : E:\90sep08\C092319.raw <Modified>
Result File : E:\90sep08\C092319.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092319.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c42092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

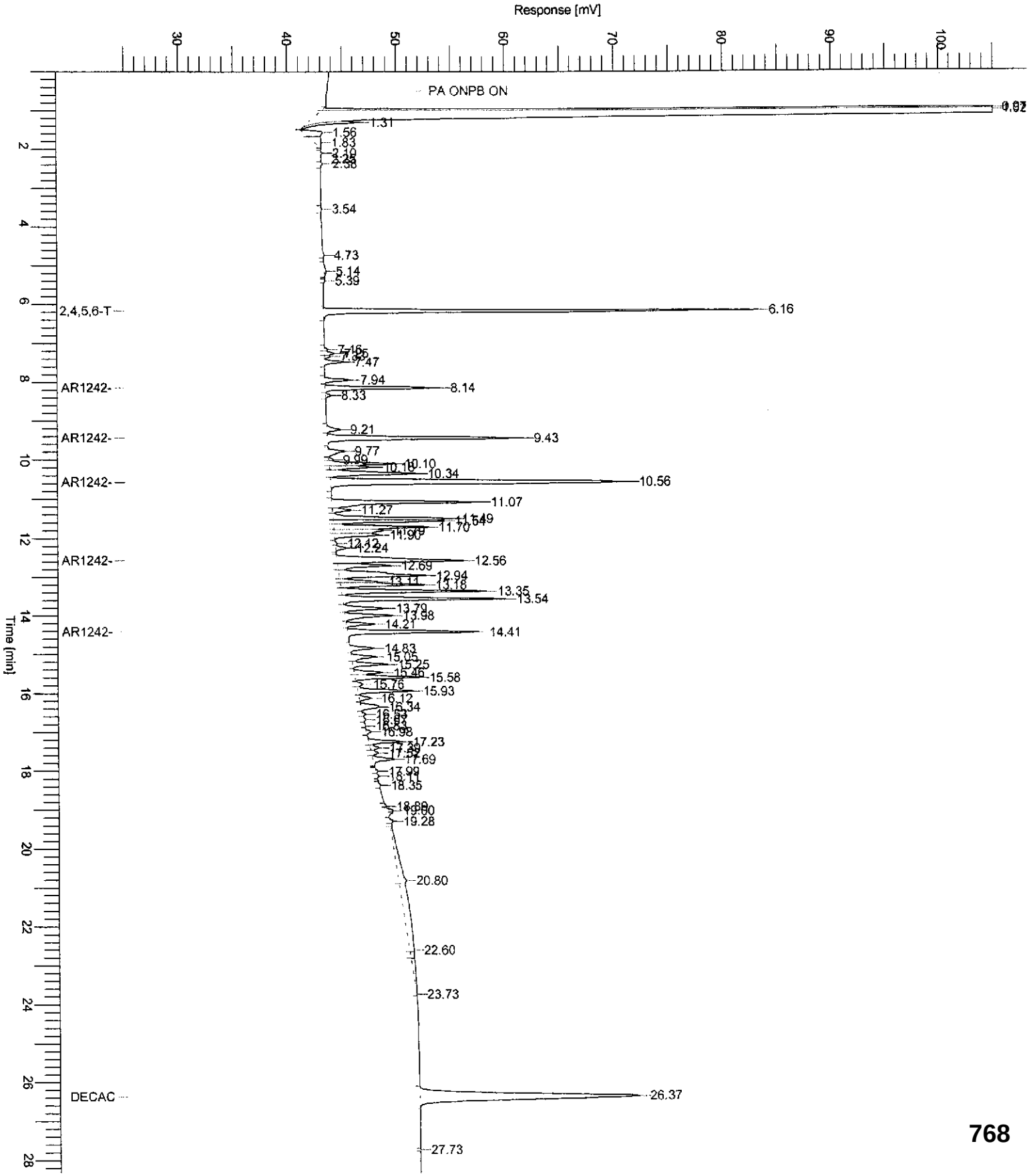
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	160147.30	0.0203
8.136	AR1242-1	43964.91	0.2853
9.429	AR1242-2	89337.71	0.2808
10.561	AR1242-3	175715.83	0.2788
12.558	AR1242-4	70893.92	0.2847
14.407	AR1242-5	54329.52	0.2828
26.365	DECACHLOROBIPHENYL	208120.37	0.0208
			1.4534

Report stored in ASCII file: E:\90sep08\C092319.TX0

Chromatogram

Sample Name : AR1242-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092319.raw
Date : 10/02/08 14:22:03
Method : 5890-90 Time of Injection: 09/24/08 16:14:41
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:07
Operator	: manager	Sample Name	: AR1242-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/20
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 16:47:07	Cycle	: 20

Raw Data File : E:\90sep08\C092320.raw <Modified>
Result File : E:\90sep08\C092320.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092320.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c42092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

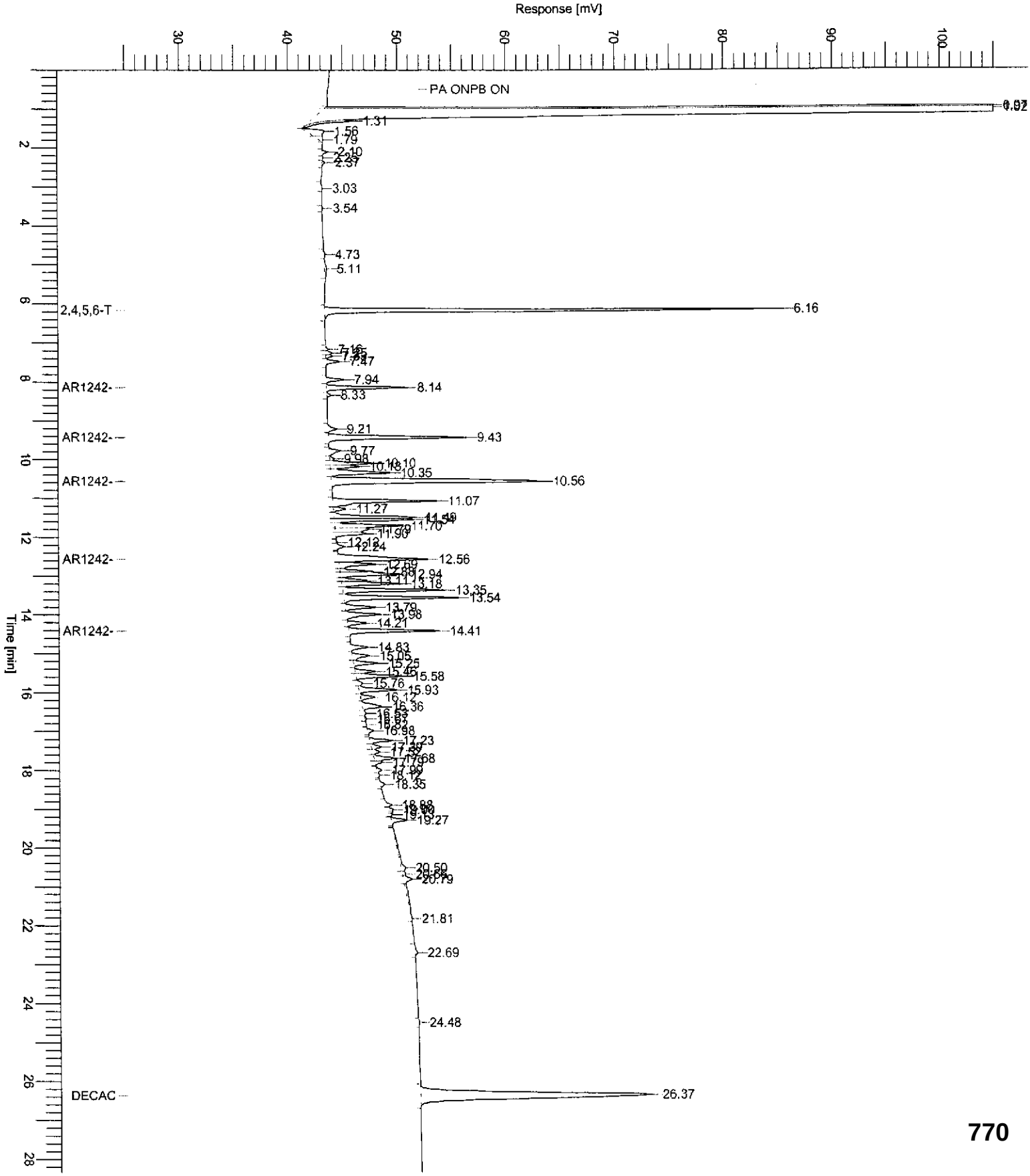
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	168614.03	0.0214
8.136	AR1242-1	30382.74	0.1971
9.429	AR1242-2	62299.69	0.1958
10.560	AR1242-3	123974.65	0.1967
12.558	AR1242-4	49550.72	0.1990
14.406	AR1242-5	37467.67	0.1950
26.366	DECACHLOROBIPHENYL	219530.46	0.0220
			1.0270

Report stored in ASCII file: E:\90sep08\C092320.TX0

Chromatogram

Sample Name : AR1242-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092320.raw
Date : 10/02/08 14:22:13
Method : 5890-90 Time of Injection: 09/24/08 16:47:07
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:17
Operator	: manager	Sample Name	: AR1242-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/21
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 17:19:26	Cycle	: 21

Raw Data File : E:\90sep08\C092321.raw <Modified>
Result File : E:\90sep08\C092321.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092321.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c42092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

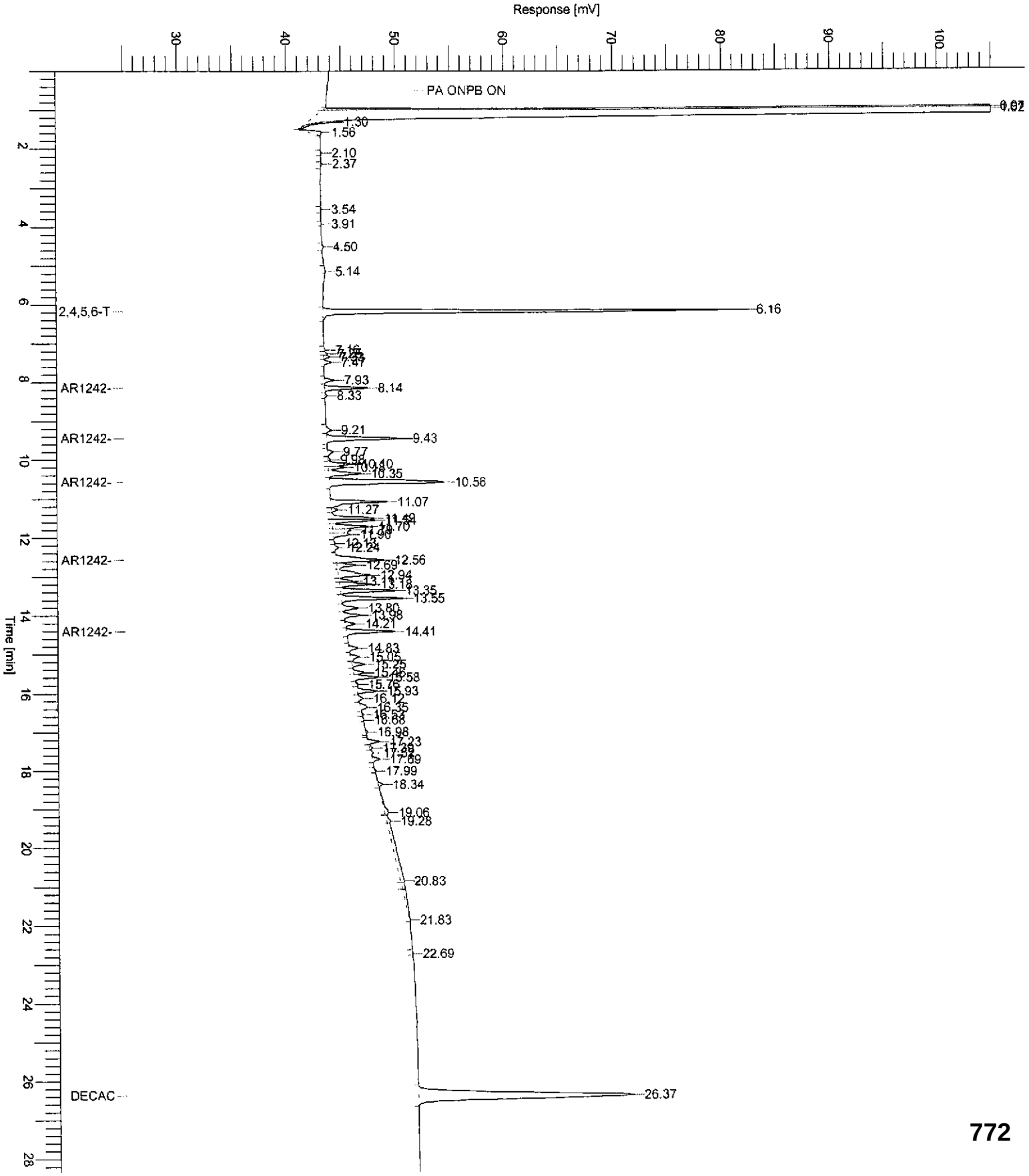
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	157411.06	0.0200
8.137	AR1242-1	16266.31	0.1055
9.430	AR1242-2	34254.21	0.1076
10.560	AR1242-3	67548.94	0.1072
12.558	AR1242-4	26167.10	0.1051
14.408	AR1242-5	19748.14	0.1028
26.365	DECACHLOROBIPHENYL	202322.68	0.0201
			0.5683

Report stored in ASCII file: E:\90sep08\C092321.TX0

Chromatogram

Sample Name : AR1242-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092321.raw
Date : 10/02/08 14:22:24
Method : 5890-90 Time of Injection: 09/24/08 17:19:26
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:28
Operator	: manager	Sample Name	: AR1242-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/22
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 17:51:44	Cycle	: 22

Raw Data File : E:\90sep08\C092322.raw <Modified>
Result File : E:\90sep08\C092322.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092322.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c42092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

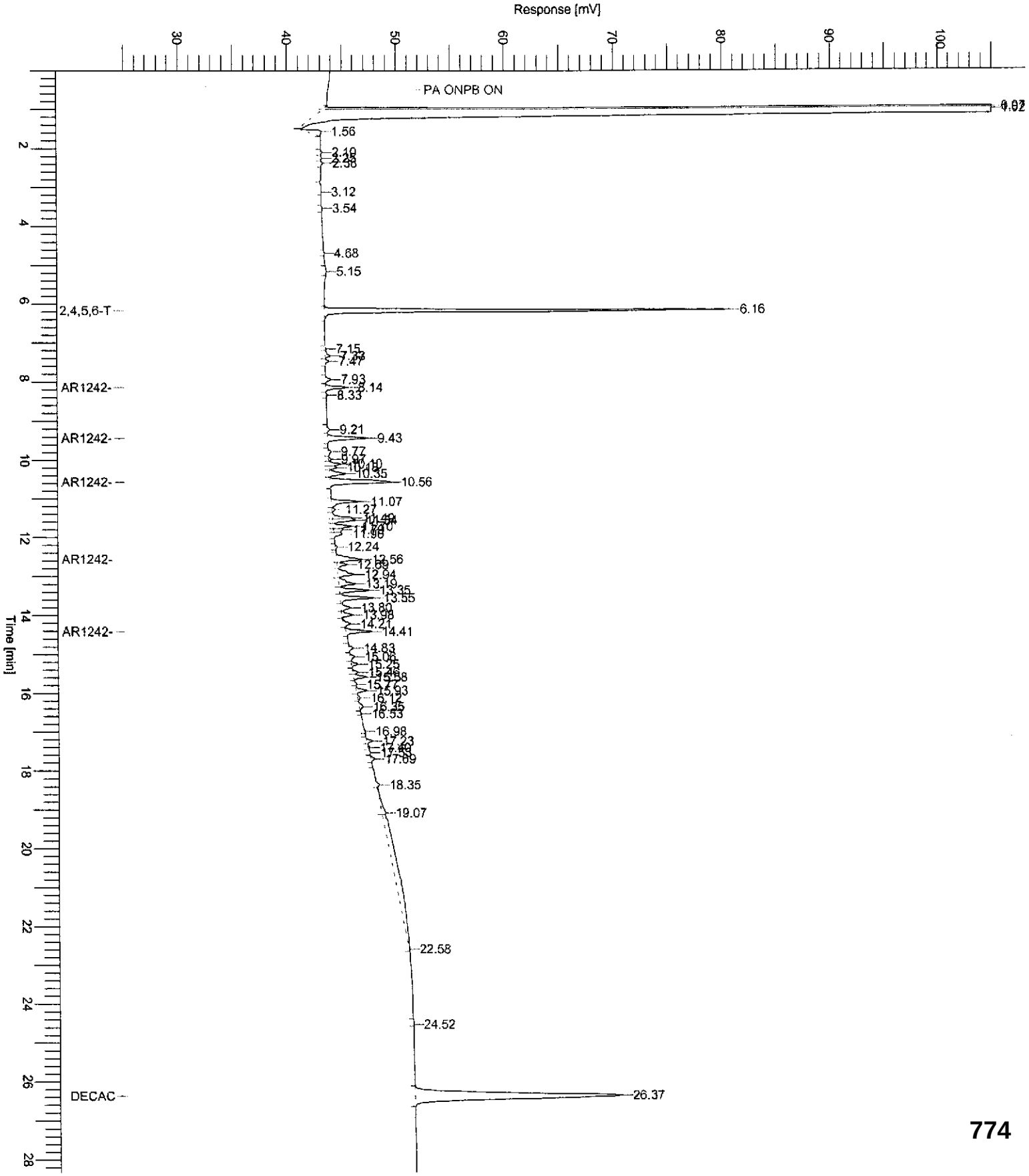
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	150077.04	0.0190
8.137	AR1242-1	8276.45	0.0537
9.431	AR1242-2	17558.37	0.0552
10.562	AR1242-3	35145.79	0.0558
12.559	AR1242-4	13308.98	0.0534
14.408	AR1242-5	10689.91	0.0556
26.369	DECACHLOROBIPHENYL	194322.56	0.0193
			0.3120

Report stored in ASCII file: E:\90sep08\C092322.TX0

Chromatogram

Sample Name : AR1242-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092322.raw
Date : 10/02/08 14:22:34
Method : 5890-90 Time of Injection: 09/24/08 17:51:44
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:38
Operator	: manager	Sample Name	: AR1248-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/23
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 18:24:03	Cycle	: 23

Raw Data File : E:\90sep08\C092323.raw <Modified>
Result File : E:\90sep08\C092323.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092323.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c48092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

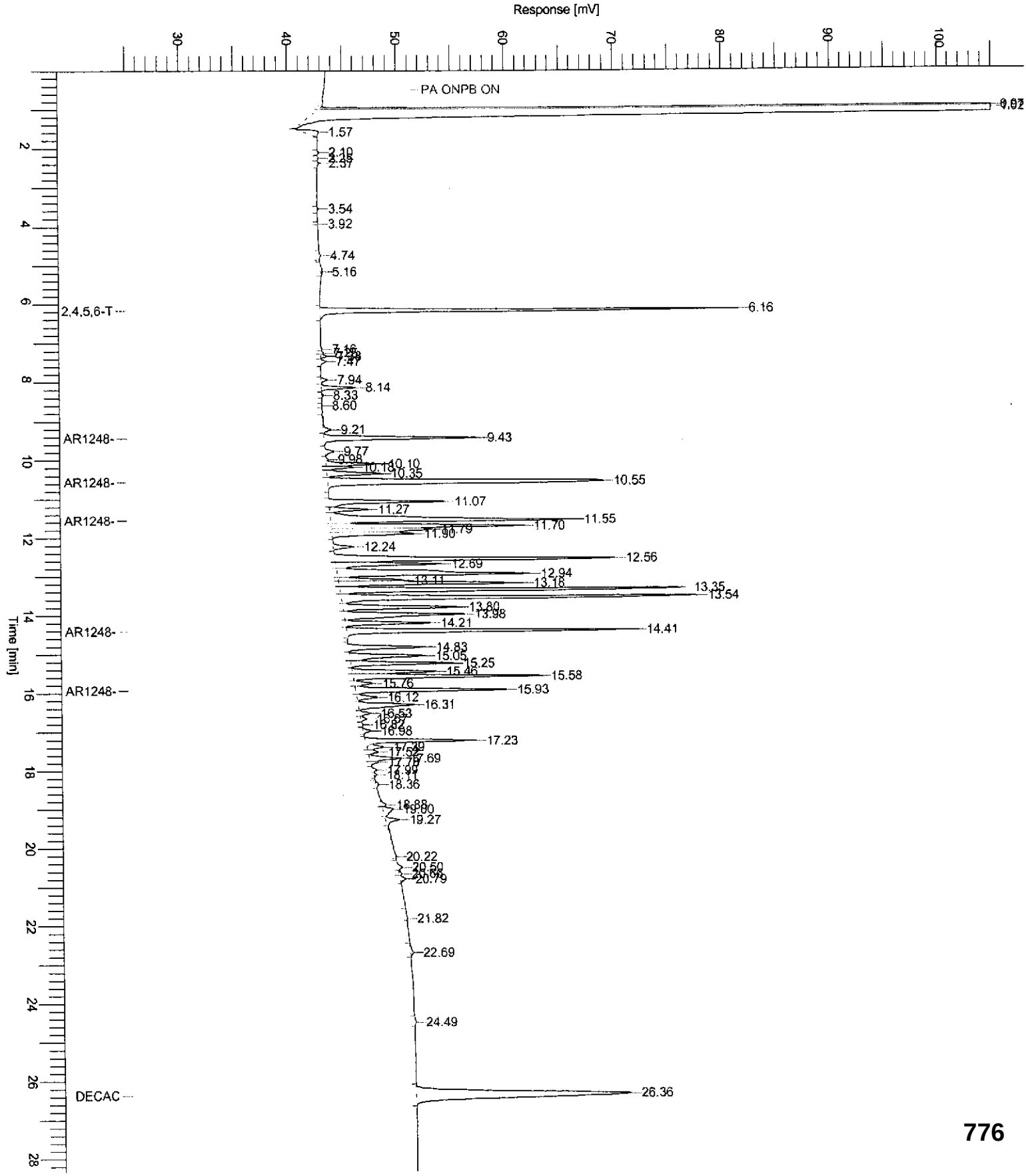
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	156742.31	0.0199
9.428	AR1248-1	68550.67	0.4636
10.551	AR1248-2	169805.56	0.4504
11.546	AR1248-3	138481.77	0.4591
14.407	AR1248-4	121501.77	0.4625
15.930	AR1248-5	66689.48	0.4705
26.365	DECACHLOROBIPHENYL	204269.40	0.0204
			2.3464

Report stored in ASCII file: E:\90sep08\C092323.TX0

Chromatogram

Sample Name : AR1248-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092323.raw
Date : 10/02/08 14:22:44
Method : 5890-90 Time of Injection: 09/24/08 18:24:03
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:49
Operator	: manager	Sample Name	: AR1248-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/24
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 18:56:21	Cycle	: 24

Raw Data File : E:\90sep08\C092324.raw <Modified>
Result File : E:\90sep08\C092324.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092324.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c48092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

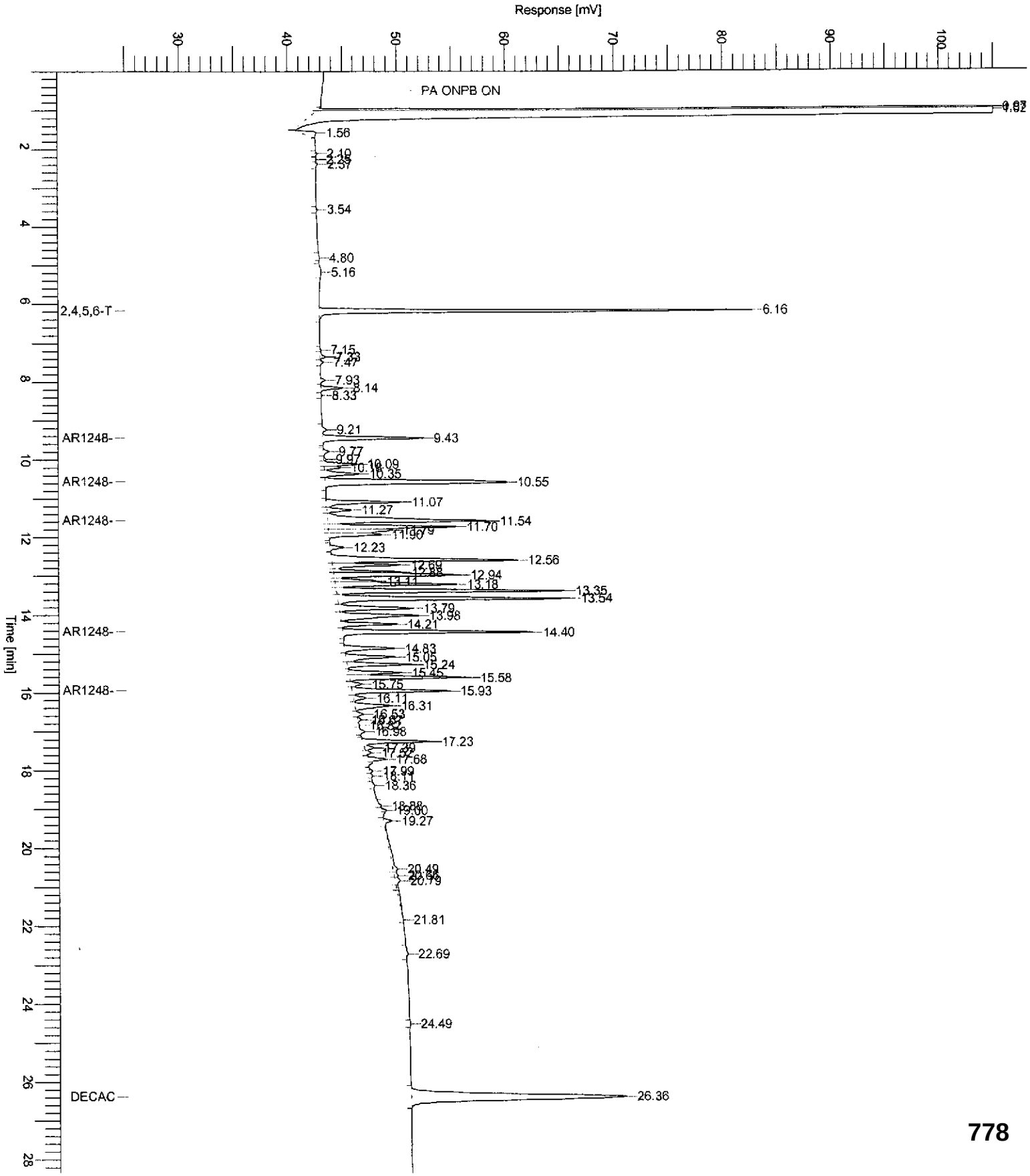
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.160	2,4,5,6-TCMX	160260.84	0.0203
9.427	AR1248-1	43937.91	0.2972
10.549	AR1248-2	110953.21	0.2943
11.544	AR1248-3	91810.43	0.3044
14.404	AR1248-4	78136.80	0.2974
15.927	AR1248-5	42429.03	0.2994
26.365	DECACHLOROBIPHENYL	205111.31	0.0205
			1.5334

Report stored in ASCII file: E:\90sep08\C092324.TX0

Chromatogram

Sample Name : AR1248-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092324.raw
Date : 10/02/08 14:22:55
Method : 5890-90 Time of Injection: 09/24/08 18:56:21
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:22:59
Operator	: manager	Sample Name	: AR1248-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/25
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 19:28:43	Cycle	: 25

Raw Data File : E:\90sep08\C092325.raw <Modified>
Result File : E:\90sep08\C092325.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092325.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c48092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

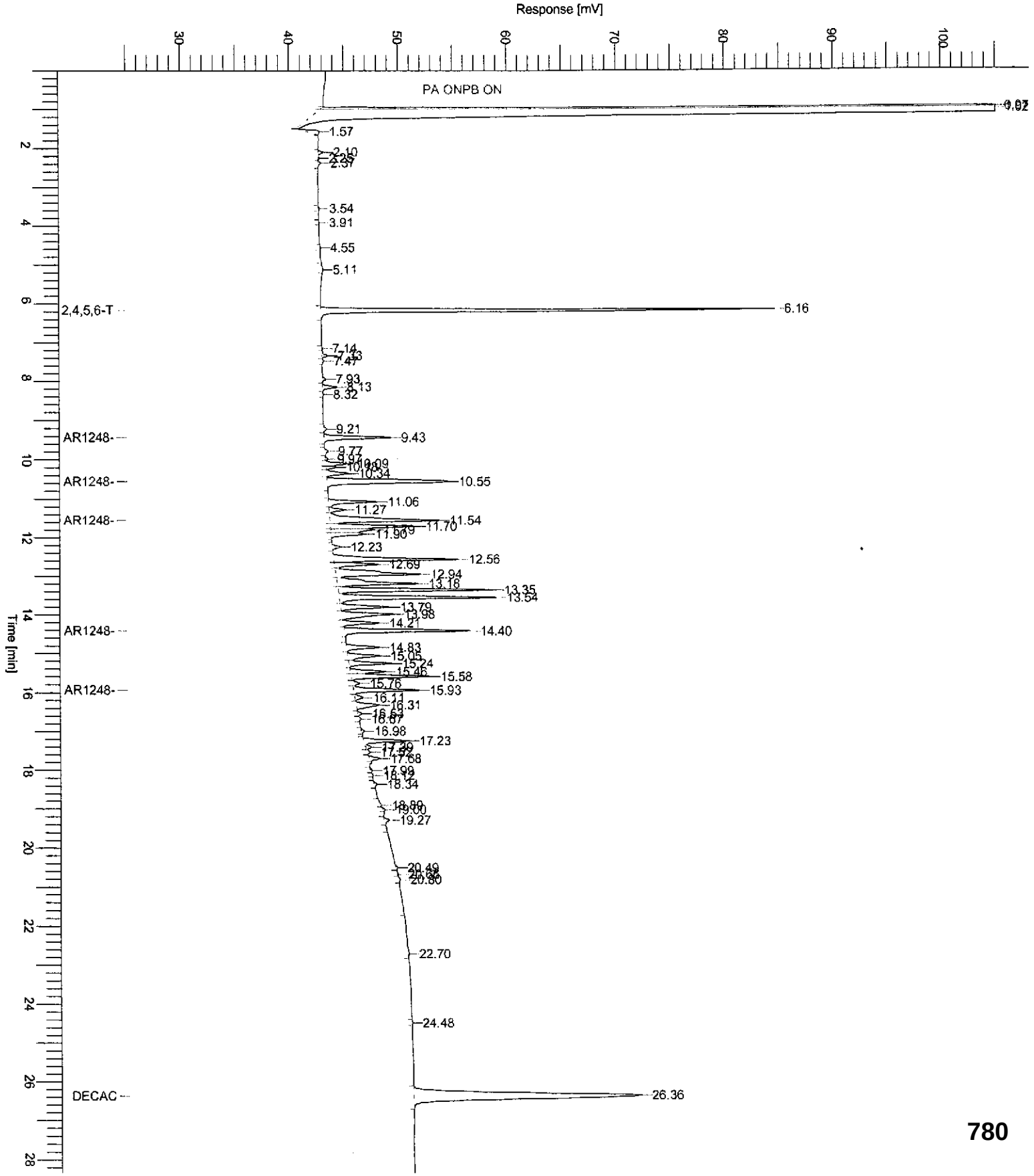
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.160	2,4,5,6-TCMX	167624.63	0.0213
9.426	AR1248-1	28873.54	0.1953
10.550	AR1248-2	74022.12	0.1964
11.545	AR1248-3	60820.64	0.2016
14.405	AR1248-4	51834.73	0.1973
15.927	AR1248-5	28013.48	0.1976
26.362	DECACHLOROBIPHENYL	217351.15	0.0218
			1.0313

Report stored in ASCII file: E:\90sep08\C092325.TX0

Chromatogram

Sample Name : AR1248-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092325.raw
Date : 10/02/08 14:23:04
Method : 5890-90 Time of Injection: 09/24/08 19:28:43
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:07
Operator	: manager	Sample Name	: AR1248-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/26
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 20:01:06	Cycle	: 26

Raw Data File : E:\90sep08\C092326.raw <Modified>
Result File : E:\90sep08\C092326.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092326.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c48092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

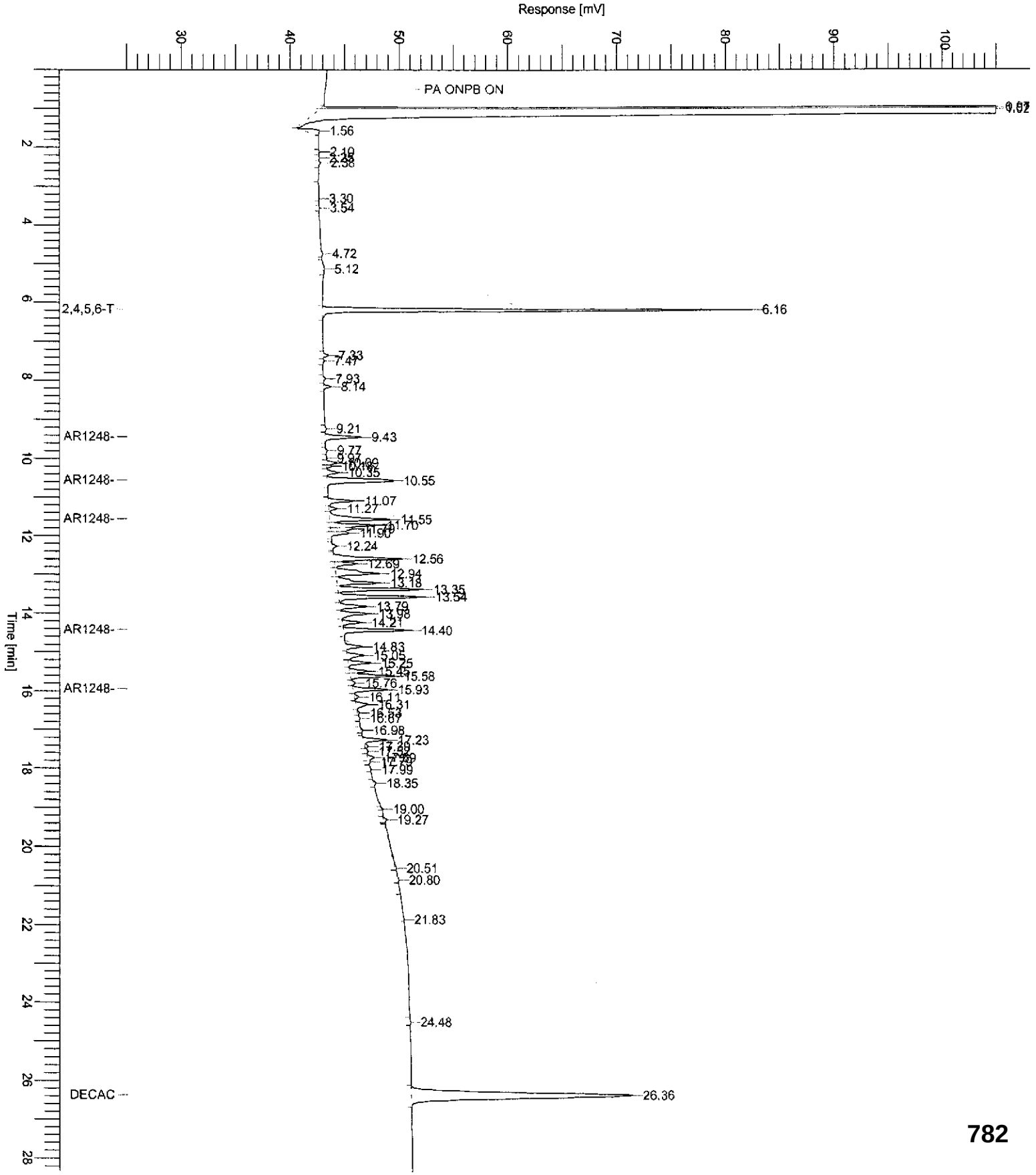
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.161	2,4,5,6-TCMX	158978.37	0.0202
9.428	AR1248-1	15526.81	0.1050
10.549	AR1248-2	39867.03	0.1058
11.546	AR1248-3	31591.24	0.1047
14.404	AR1248-4	27625.22	0.1051
15.926	AR1248-5	14587.83	0.1029
26.361	DECACHLOROBIPHENYL	207076.87	0.0207
			0.5645

Report stored in ASCII file: E:\90sep08\C092326.TX0

Chromatogram

Sample Name : AR1248-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092326.raw
Date : 10/02/08 14:23:12
Method : 5890-90 Time of Injection: 09/24/08 20:01:06
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:15
Operator	: manager	Sample Name	: AR1248-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/27
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 20:33:21	Cycle	: 27

Raw Data File : E:\90sep08\C092327.raw <Modified>
Result File : E:\90sep08\C092327.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092327.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c48092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

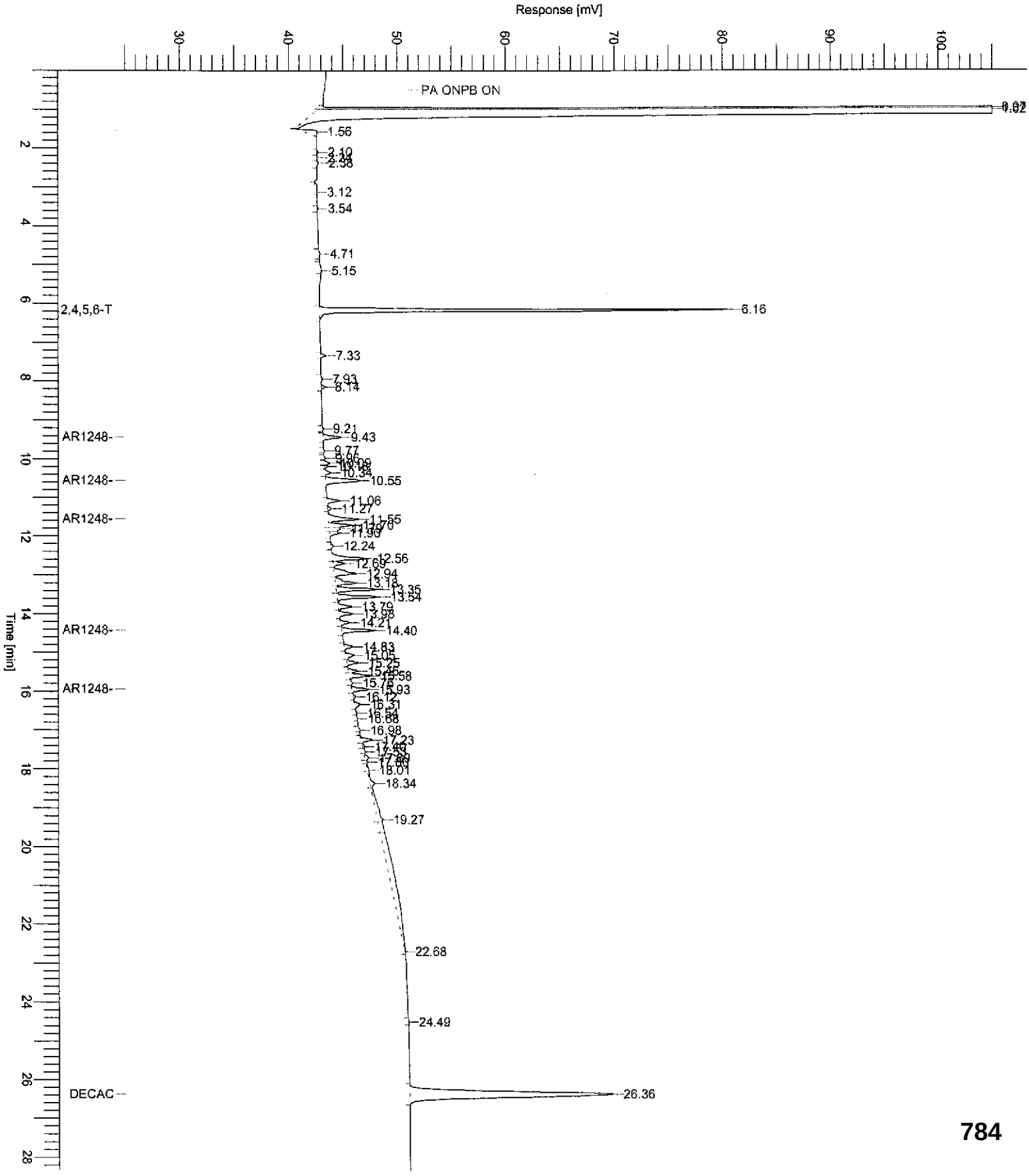
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV-s]	Concentration (ng)
6.159	2,4,5,6-TCMX	154319.79	0.0196
9.426	AR1248-1	7803.18	0.0528
10.550	AR1248-2	20320.79	0.0539
11.546	AR1248-3	15257.96	0.0506
14.405	AR1248-4	13738.76	0.0523
15.927	AR1248-5	7395.66	0.0522
26.360	DECACHLOROBIPHENYL	193020.07	0.0191
			0.3004

Report stored in ASCII file: E:\90sep08\C092327.TX0

Chromatogram

Sample Name : AR1248-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092327.raw
Date : 10/02/08 14:23:19
Method : 5890-90 Time of Injection: 09/24/08 20:33:21
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:22
Operator	: manager	Sample Name	: AR1254-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/28
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 21:05:39	Cycle	: 28

Raw Data File : E:\90sep08\C092328.raw <Modified>
Result File : E:\90sep08\C092328.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092328.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c54092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

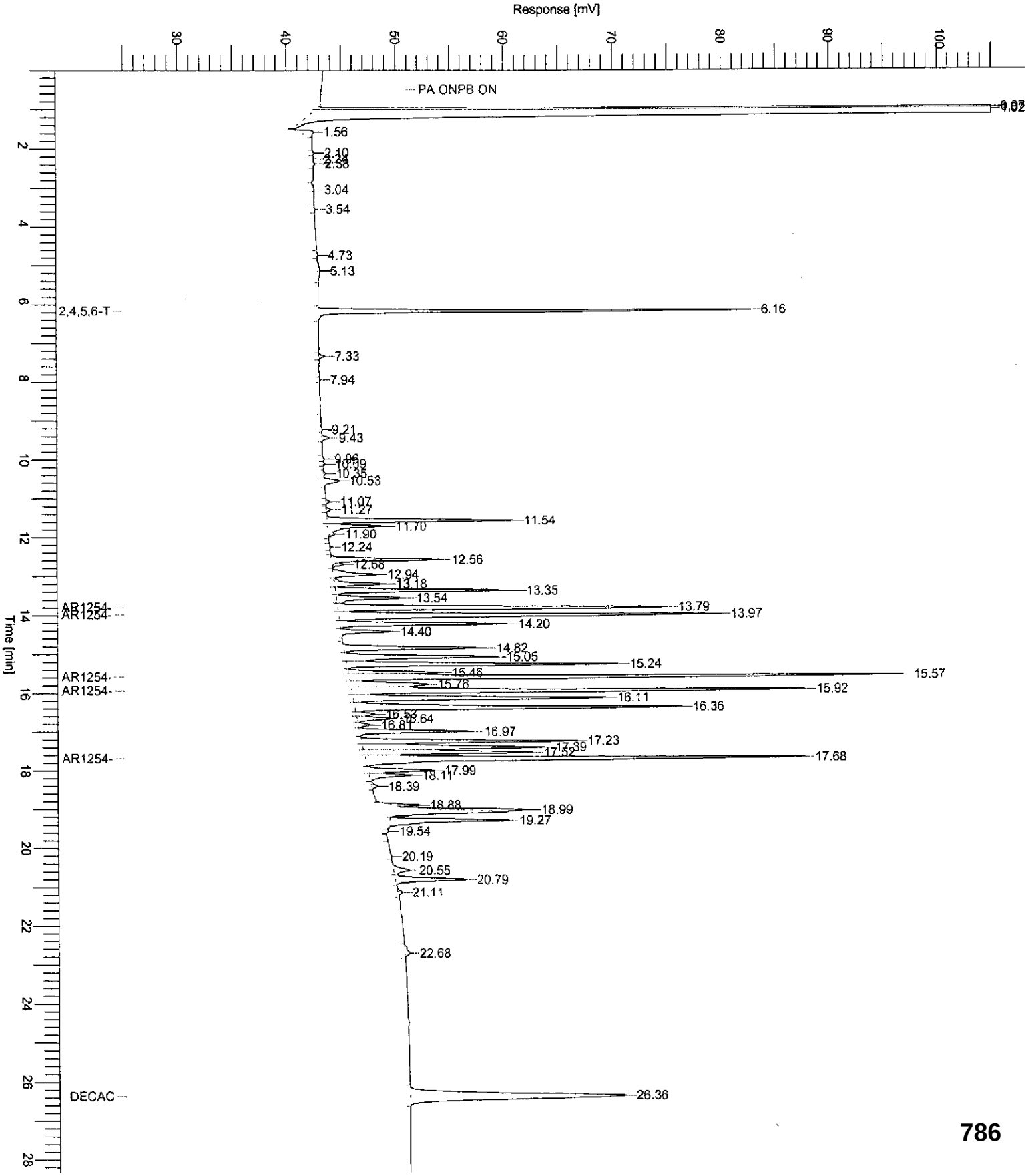
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	160987.45	0.0204
13.789	AR1254-1	155513.73	0.4575
13.974	AR1254-2	188101.75	0.4652
15.573	AR1254-3	248832.71	0.4596
15.924	AR1254-4	213945.20	0.4644
17.681	AR1254-5	229586.57	0.4784
26.361	DECACHLOROBIPHENYL	206218.86	0.0206
			2.3662

Report stored in ASCII file: E:\90sep08\C092328.TX0

Chromatogram

Sample Name : AR1254-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092328.raw
Date : 10/02/08 14:23:27
Method : 5890-90 Time of Injection: 09/24/08 21:05:39
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:30
Operator	: manager	Sample Name	: AR1254-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/29
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 21:37:56	Cycle	: 29

Raw Data File : E:\90sep08\C092329.raw <Modified>
Result File : E:\90sep08\C092329.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092329.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c54092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

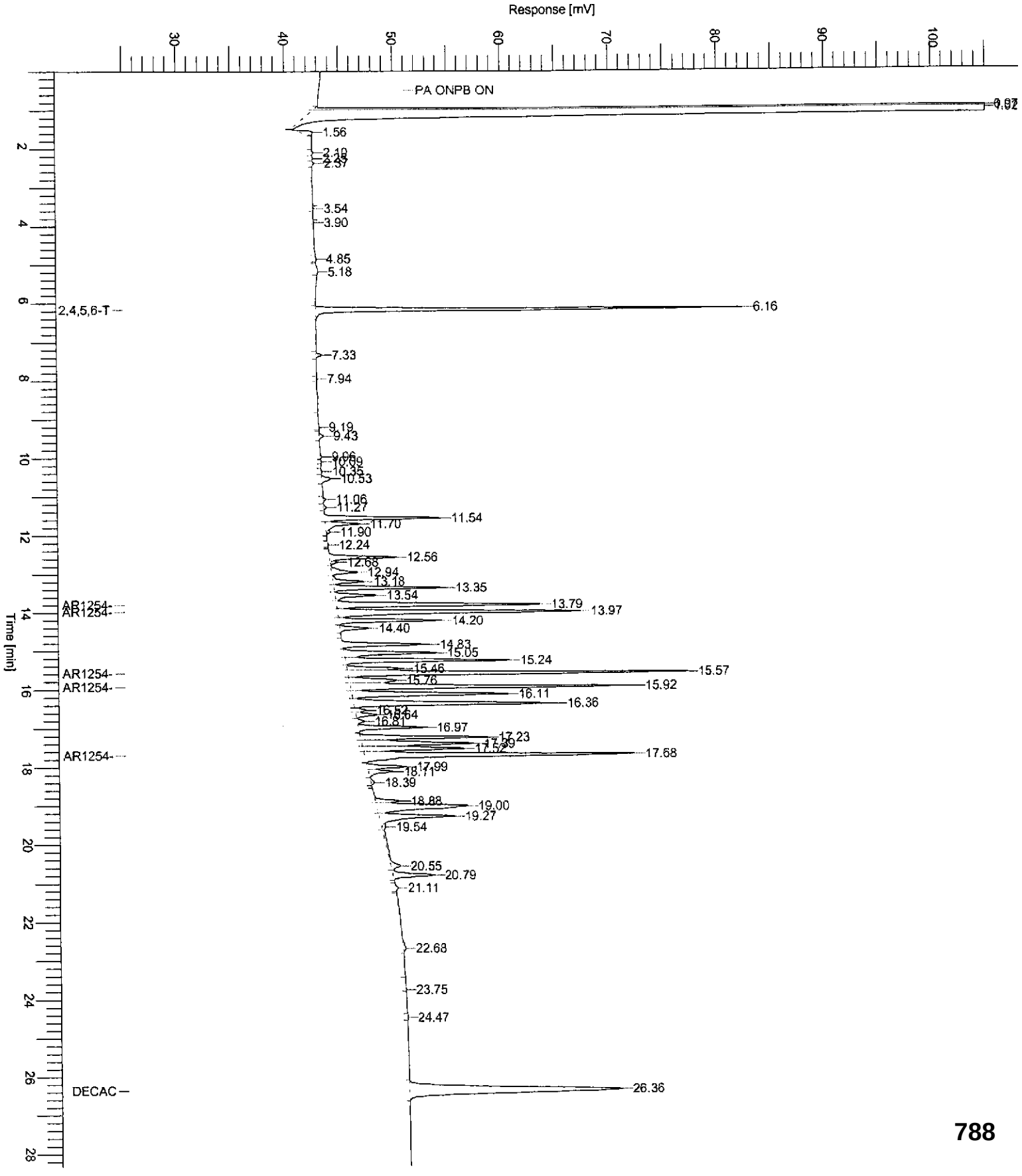
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	158660.37	0.0201
13.790	AR1254-1	96868.87	0.2850
13.974	AR1254-2	117693.44	0.2911
15.574	AR1254-3	155171.73	0.2866
15.925	AR1254-4	133571.19	0.2900
17.682	AR1254-5	140872.97	0.2935
26.359	DECACHLOROBIPHENYL	202161.38	0.0201
			1.4864

Report stored in ASCII file: E:\90sep08\C092329.TX0

Chromatogram

Sample Name : AR1254-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092329.raw
Date : 10/02/08 14:23:37
Method : 5890-90 Time of Injection: 09/24/08 21:37:56
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:41
Operator	: manager	Sample Name	: AR1254-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/30
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 22:10:16	Cycle	: 30

Raw Data File : E:\90sep08\C092330.raw <Modified>
Result File : E:\90sep08\C092330.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092330.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c54092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

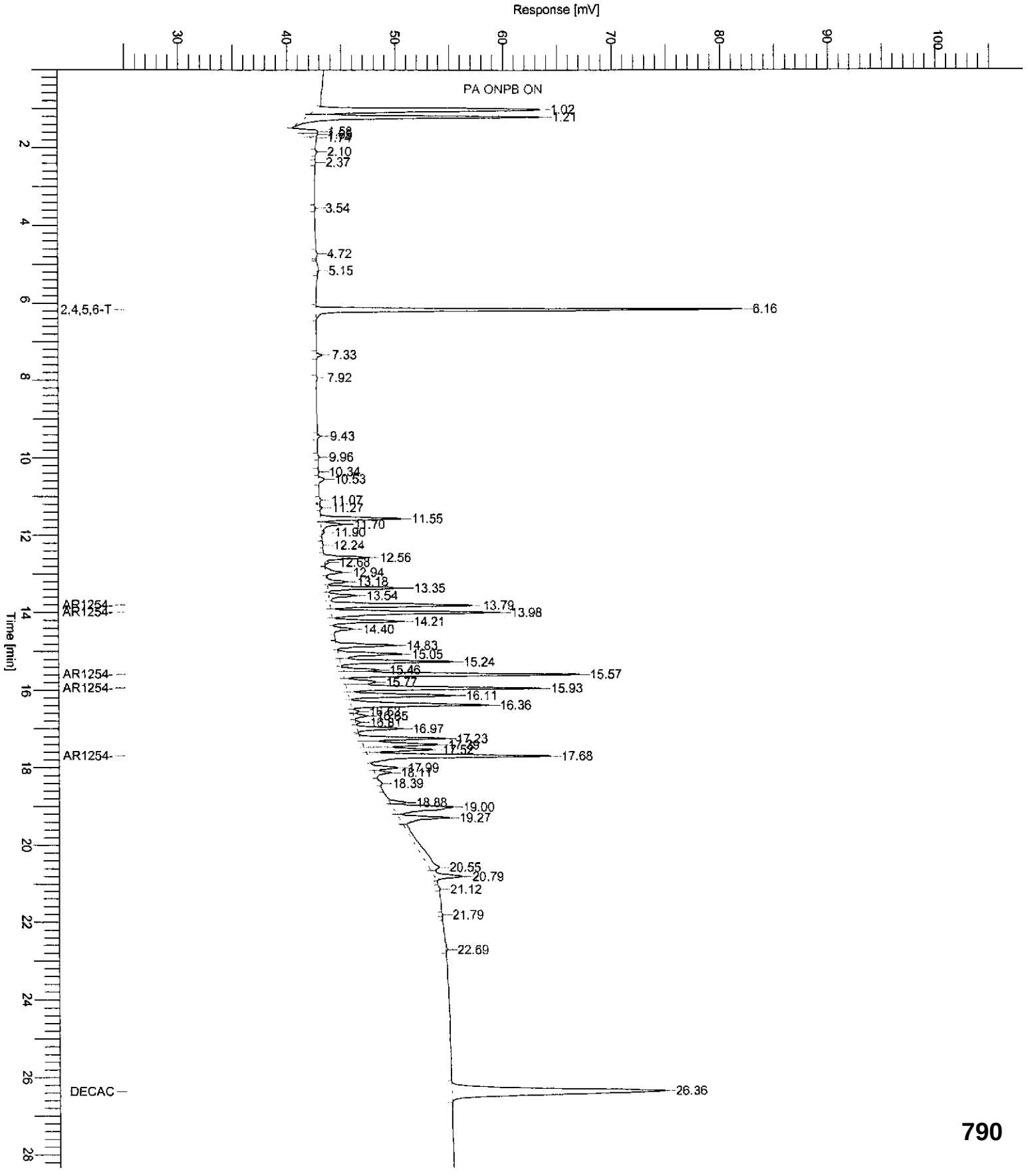
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.158	2,4,5,6-TCMX	160249.33	0.0203
13.791	AR1254-1	66878.37	0.1968
13.976	AR1254-2	82377.75	0.2037
15.575	AR1254-3	106042.97	0.1959
15.927	AR1254-4	90579.53	0.1966
17.683	AR1254-5	94171.15	0.1962
26.357	DECACHLOROBIPHENYL	200045.01	0.0199
			1.0294

Report stored in ASCII file: E:\90sep08\C092330.TX0

Chromatogram

Sample Name : AR1254-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092330.raw
Date : 10/02/08 14:23:47
Method : 5890-90 Time of Injection: 09/24/08 22:10:16
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:23:50
Operator	: manager	Sample Name	: AR1254-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/31
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 22:42:37	Cycle	: 31

Raw Data File : E:\90sep08\C092331.raw <Modified>
Result File : E:\90sep08\C092331.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092331.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c54092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

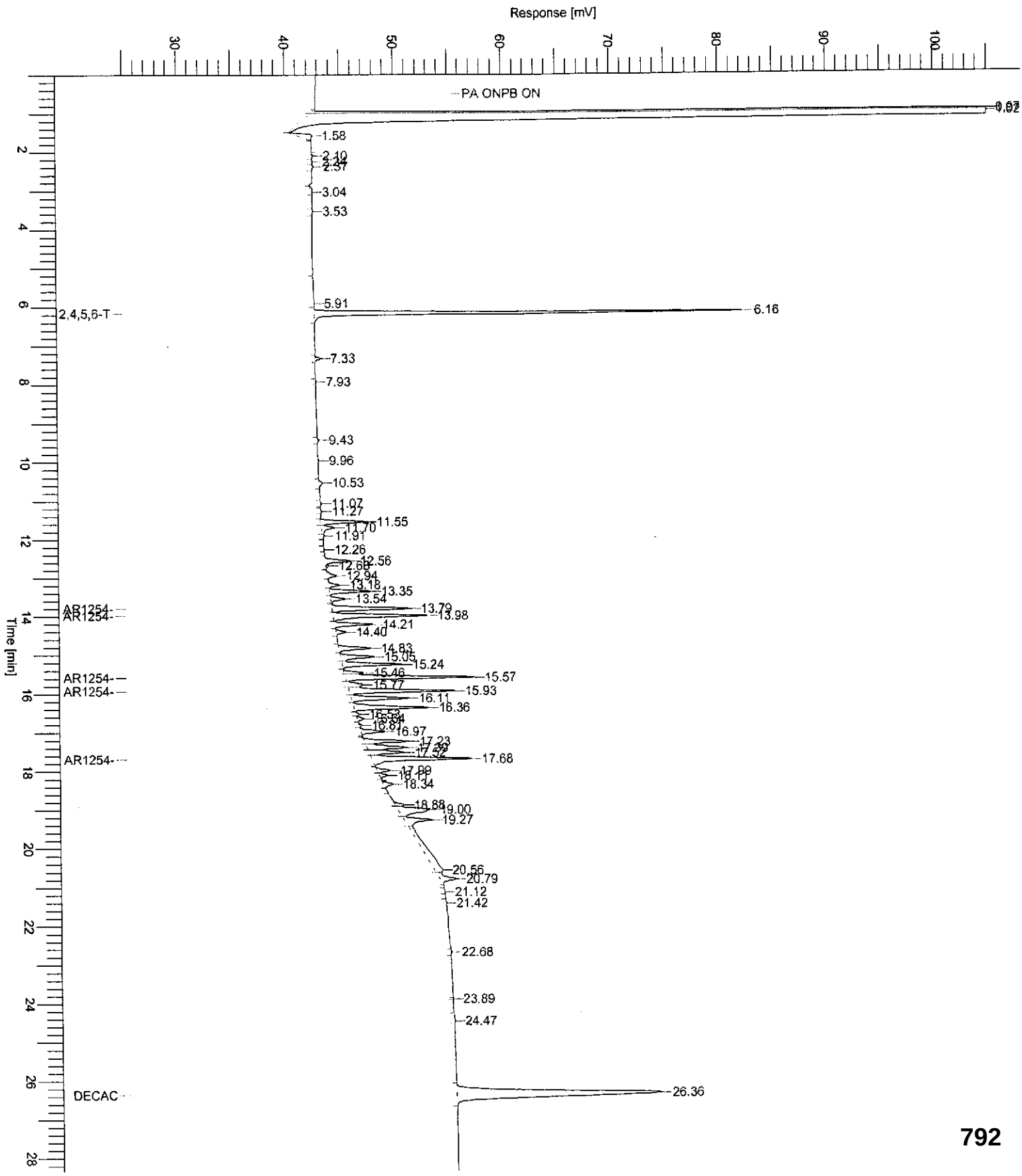
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.157	2,4,5,6-TCMX	160156.25	0.0203
13.791	AR1254-1	36376.30	0.1070
13.976	AR1254-2	42681.06	0.1056
15.574	AR1254-3	57881.39	0.1069
15.925	AR1254-4	48600.39	0.1055
17.681	AR1254-5	49838.24	0.1038
26.361	DECACHLOROBIPHENYL	196925.12	0.0196
			0.5687

Report stored in ASCII file: E:\90sep08\C092331.TX0

Chromatogram

Sample Name : AR1254-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092331.raw
Date : 10/02/08 14:23:58
Method : 5890-90 Time of Injection: 09/24/08 22:42:37
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:24:02
Operator	: manager	Sample Name	: AR1254-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/32
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/24/08 23:14:58	Cycle	: 32

Raw Data File : E:\90sep08\C092332.raw <Modified>
Result File : E:\90sep08\C092332.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092332.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c54092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

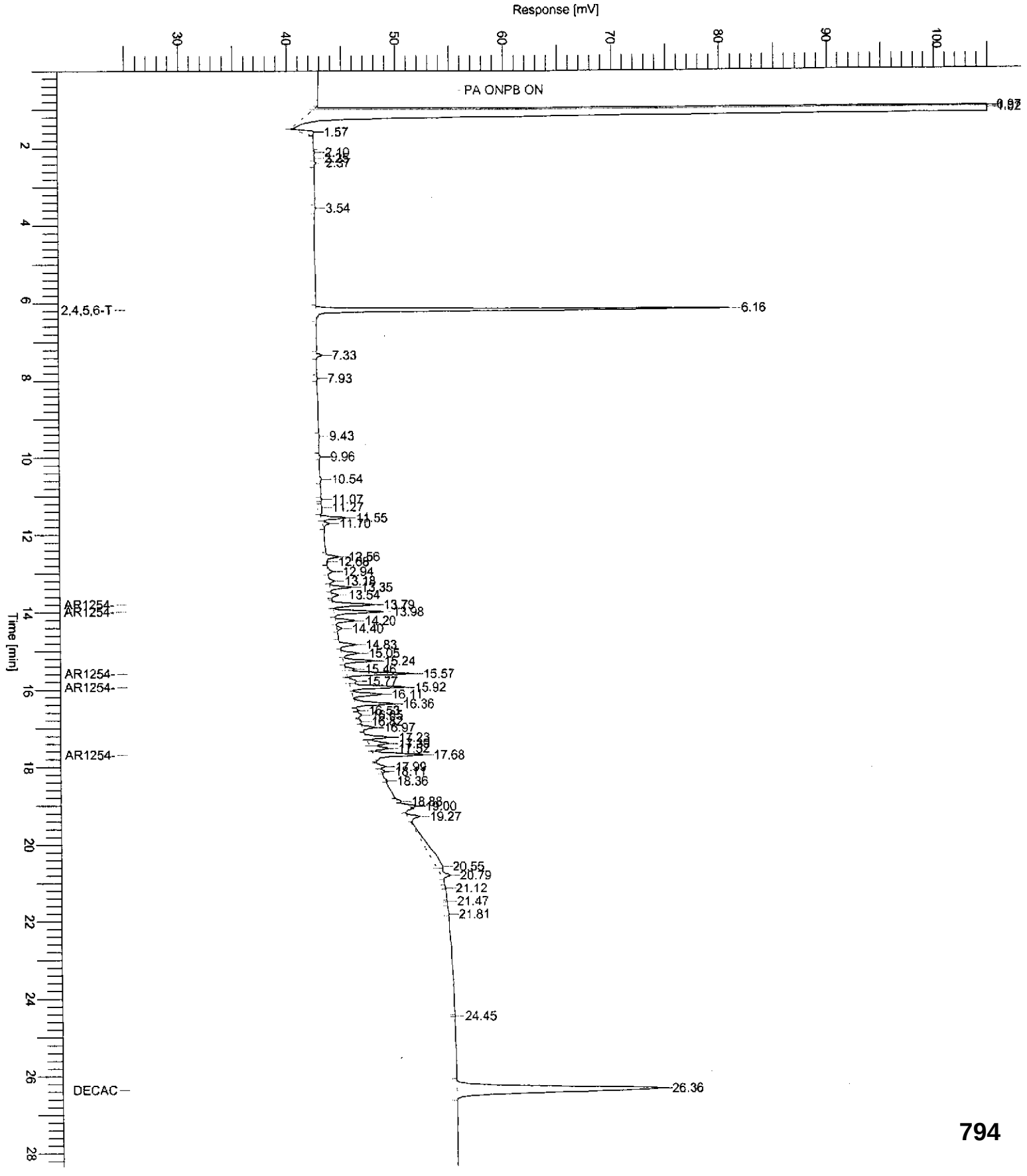
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.158	2,4,5,6-TCMX	154417.55	0.0196
13.792	AR1254-1	18373.21	0.0541
13.975	AR1254-2	20729.34	0.0513
15.574	AR1254-3	29143.49	0.0538
15.925	AR1254-4	24564.80	0.0533
17.682	AR1254-5	25079.95	0.0523
26.357	DECACHLOROBIPHENYL	191427.76	0.0189
			0.3033

Report stored in ASCII file: E:\90sep08\C092332.TX0

Chromatogram

Sample Name : AR1254-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092332.raw
Date : 10/02/08 14:24:09
Method : 5890-90 Time of Injection: 09/24/08 23:14:58
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:05
Operator	: manager	Sample Name	: INDAB-1
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/43
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 14:11:33	Cycle	: 43

Raw Data File : E:\90sep08\C092343.raw <Modified>
Result File : E:\90sep08\C092343.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092343.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\csurr092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

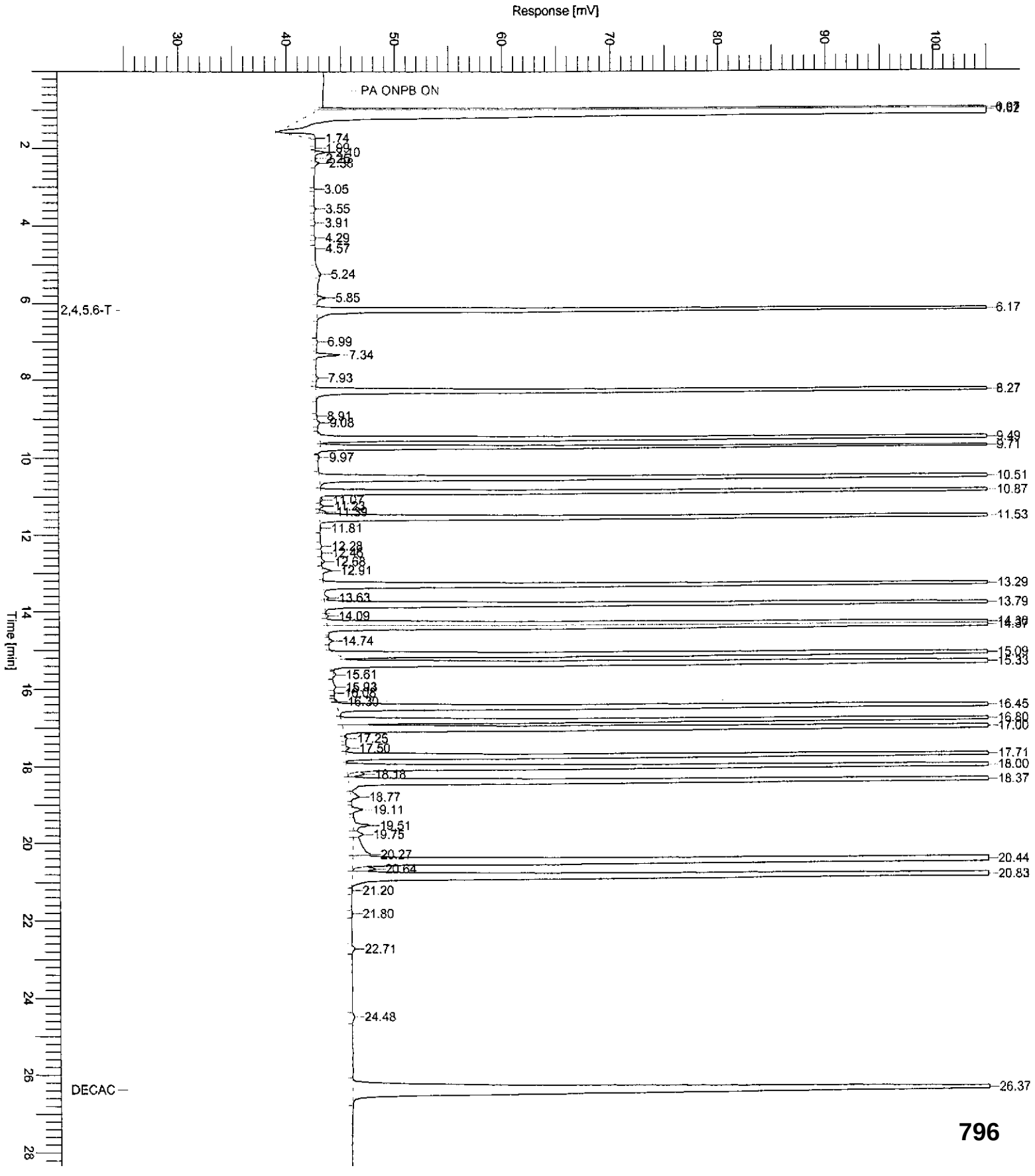
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.167	2,4,5,6-TCMX	599343.85	0.0760
26.375	DECACHLOROBIPHENYL	741224.85	0.0795
			0.1555

Report stored in ASCII file: E:\90sep08\C092343.TX0

Chromatogram

Sample Name : INDAB-1 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092343.raw
Date : 10/02/08 14:25:12
Method : 5890-90 Time of Injection: 09/25/08 14:11:33
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:15
Operator	: manager	Sample Name	: INDAB-2
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/44
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 15:17:57	Cycle	: 44

Raw Data File : E:\90sep08\C092344.raw <Modified>
Result File : E:\90sep08\C092344.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092344.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\csurr092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

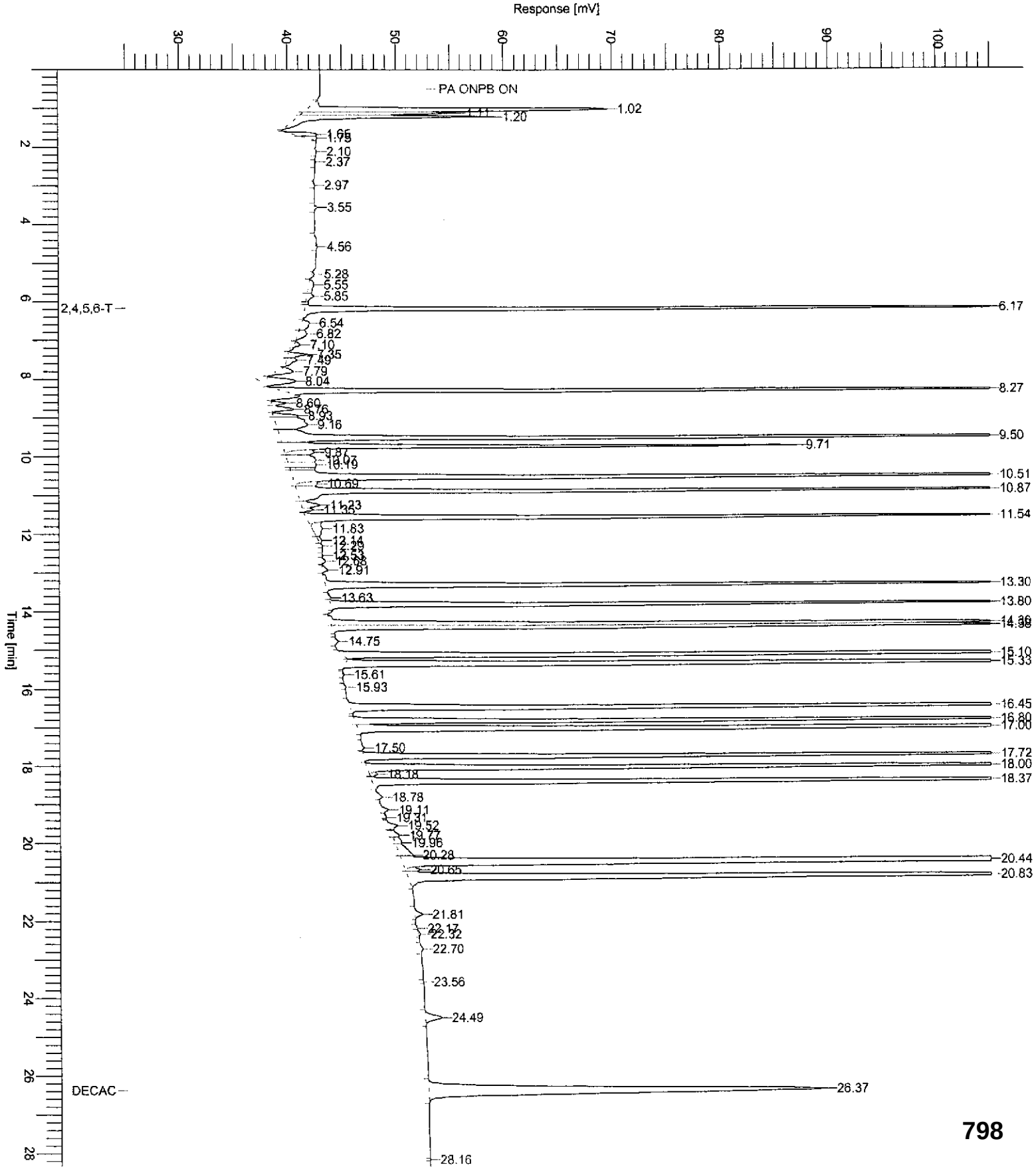
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.166	2,4,5,6-TCMX	313916.38	0.0398
26.373	DECACHLOROBIPHENYL	386638.90	0.0405
			0.0803

Report stored in ASCII file: E:\90sep08\C092344.TX0

Chromatogram

Sample Name : INDAB-2 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092344.raw
Date : 10/02/08 14:25:22
Method : 5890-90 Time of Injection: 09/25/08 15:17:57
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:25
Operator	: manager	Sample Name	: INDAB-3
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/45
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 15:50:19	Cycle	: 45

Raw Data File : E:\90sep08\C092345.raw <Modified>
Result File : E:\90sep08\C092345.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092345.rst
Proc Method : E:\Methods\cpest.mth
Callb Method : E:\Methods\csum092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

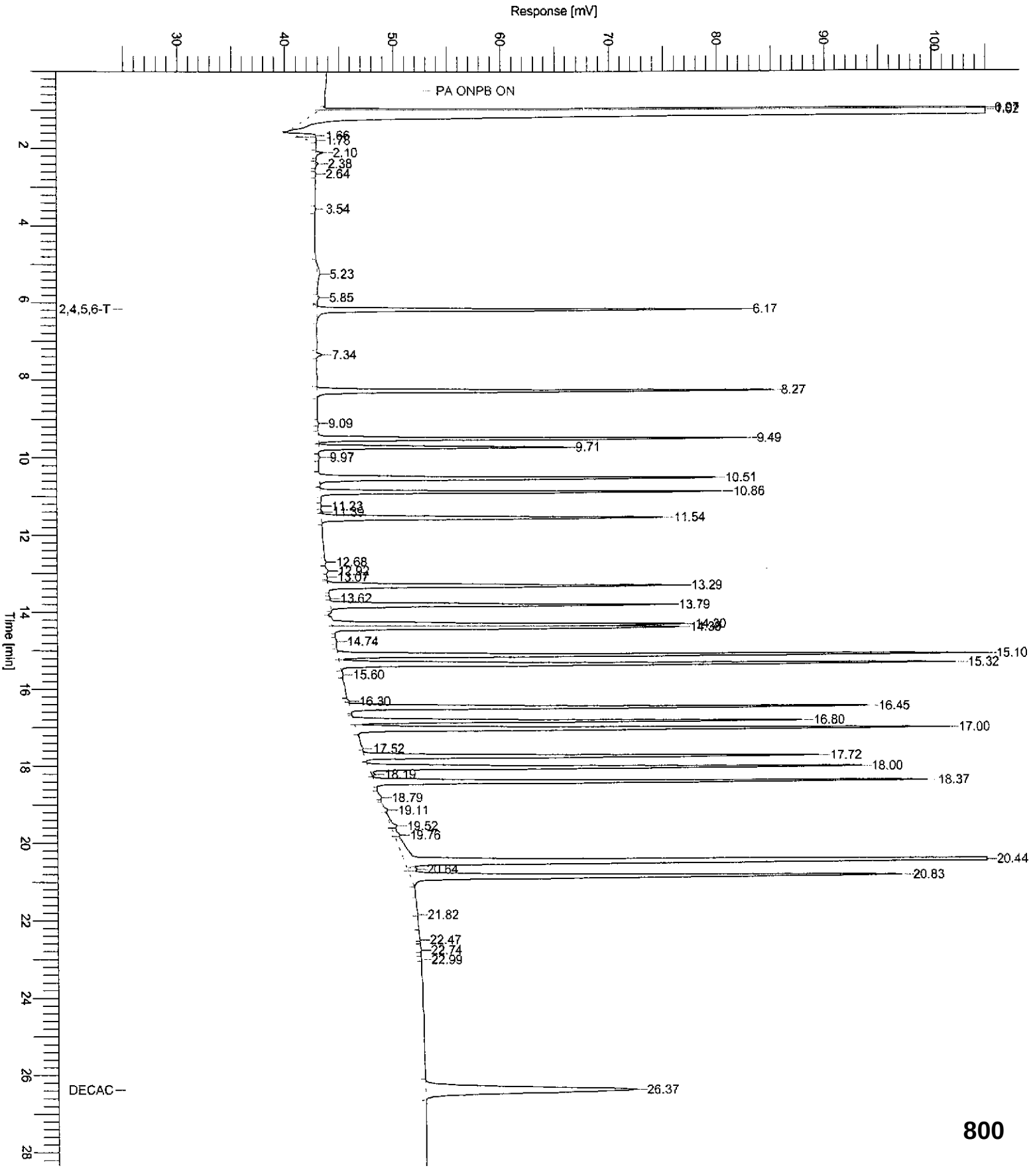
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.165	2,4,5,6-TCMX	159657.80	0.0202
26.371	DECACHLOROBIPHENYL	201071.14	0.0200
			0.0403

Report stored in ASCII file: E:\90sep08\C092345.TX0

Chromatogram

Sample Name : INDA8-3 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092345.raw
Date : 10/02/08 14:25:32
Method : 5890-90 Time of Injection: 09/25/08 15:50:19
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:36
Operator	: manager	Sample Name	: INDAB-4
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/46
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 16:22:40	Cycle	: 46

Raw Data File : E:\90sep08\C092346.raw <Modified>
Result File : E:\90sep08\C092346.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092346.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\csurr092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

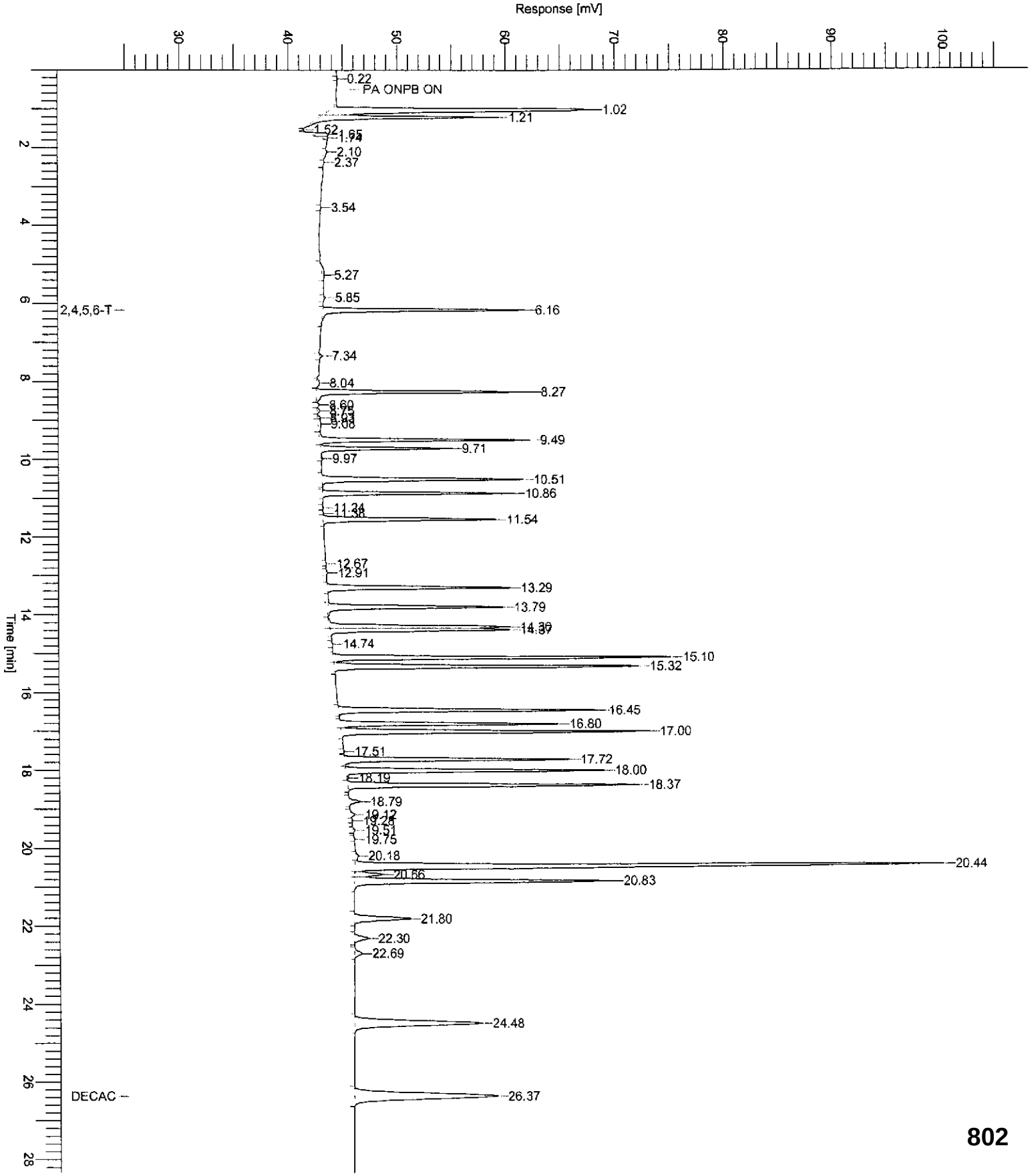
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.165	2,4,5,6-TCMX	77133.98	0.0098
26.367	DECACHLOROBIPHENYL	136527.66	0.0129
			0.0227

Report stored in ASCII file: E:\90sep08\C092346.TX0

Chromatogram

Sample Name : INDAB-4 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092346.raw
Date : 10/02/08 14:25:42
Method : 5890-90 Time of Injection: 09/25/08 16:22:40
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:46
Operator	: manager	Sample Name	: INDAB-5
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/47
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/25/08 16:55:01	Cycle	: 47

Raw Data File : E:\90sep08\C092347.raw <Modified>
Result File : E:\90sep08\C092347.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092347.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\csurr092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

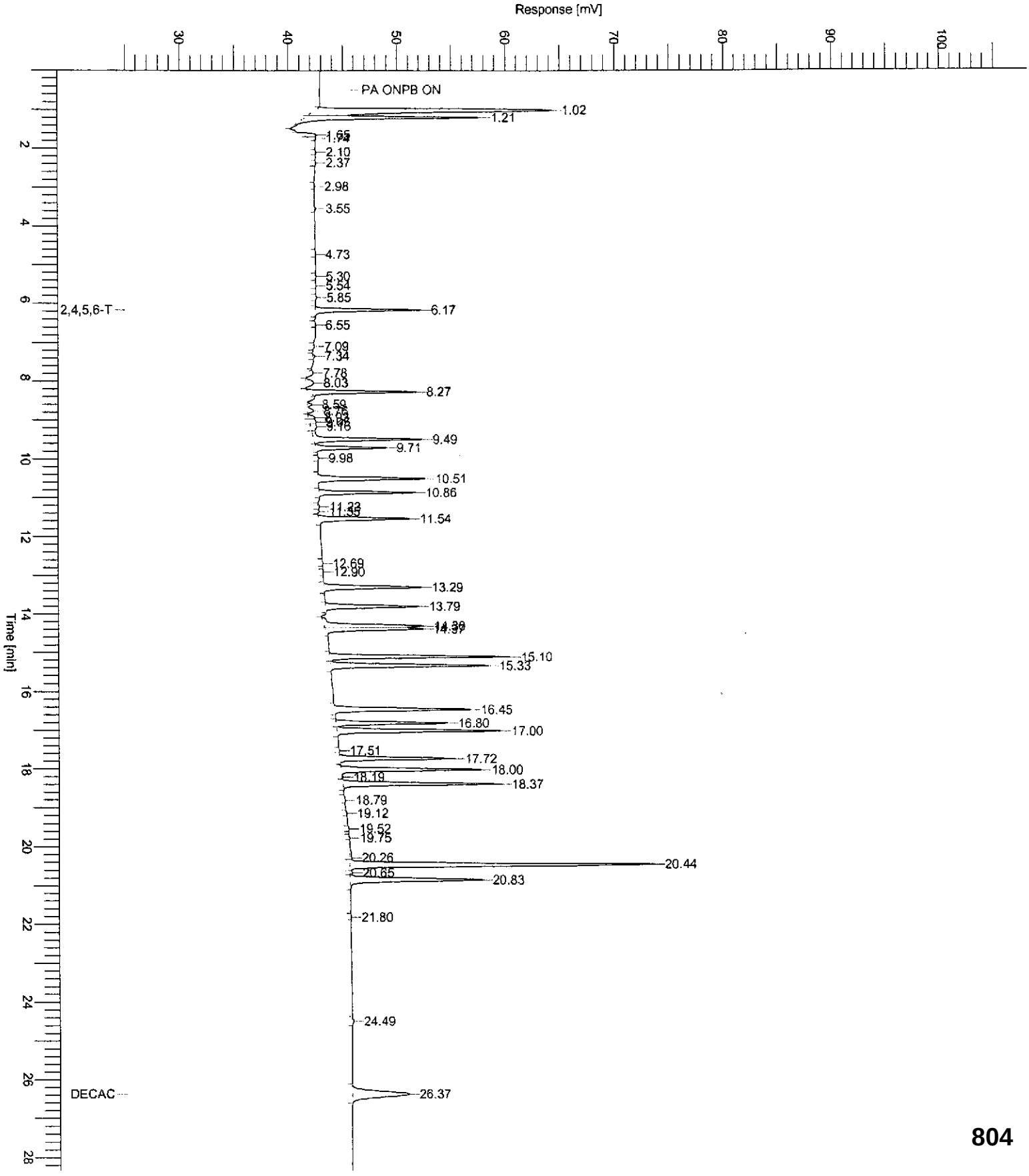
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.165	2,4,5,6-TCMX	39637.90	0.0050
26.366	DECACHLOROBIPHENYL	53775.46	0.0038
			0.0088

Report stored in ASCII file: E:\90sep08\C092347.TX0

Chromatogram

Sample Name : INDAB-5 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092347.raw
Date : 10/02/08 14:25:52
Method : 5890-90 Time of Injection: 09/25/08 16:55:01
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/02/08 14:25:55
Operator	: manager	Sample Name	: INDAB-6
Sample Number	: ICAL	Study	: 8082WAF_40
AutoSampler	: HP7673A	Rack/Vial	: 0/48
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 09/26/08 09:38:03	Cycle	: 48

Raw Data File : E:\90sep08\C092348.raw <Modified>
Result File : E:\90sep08\C092348.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90sep08\C092348.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\csurr092308.mth
Sequence File : E:\Methods\90092308.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

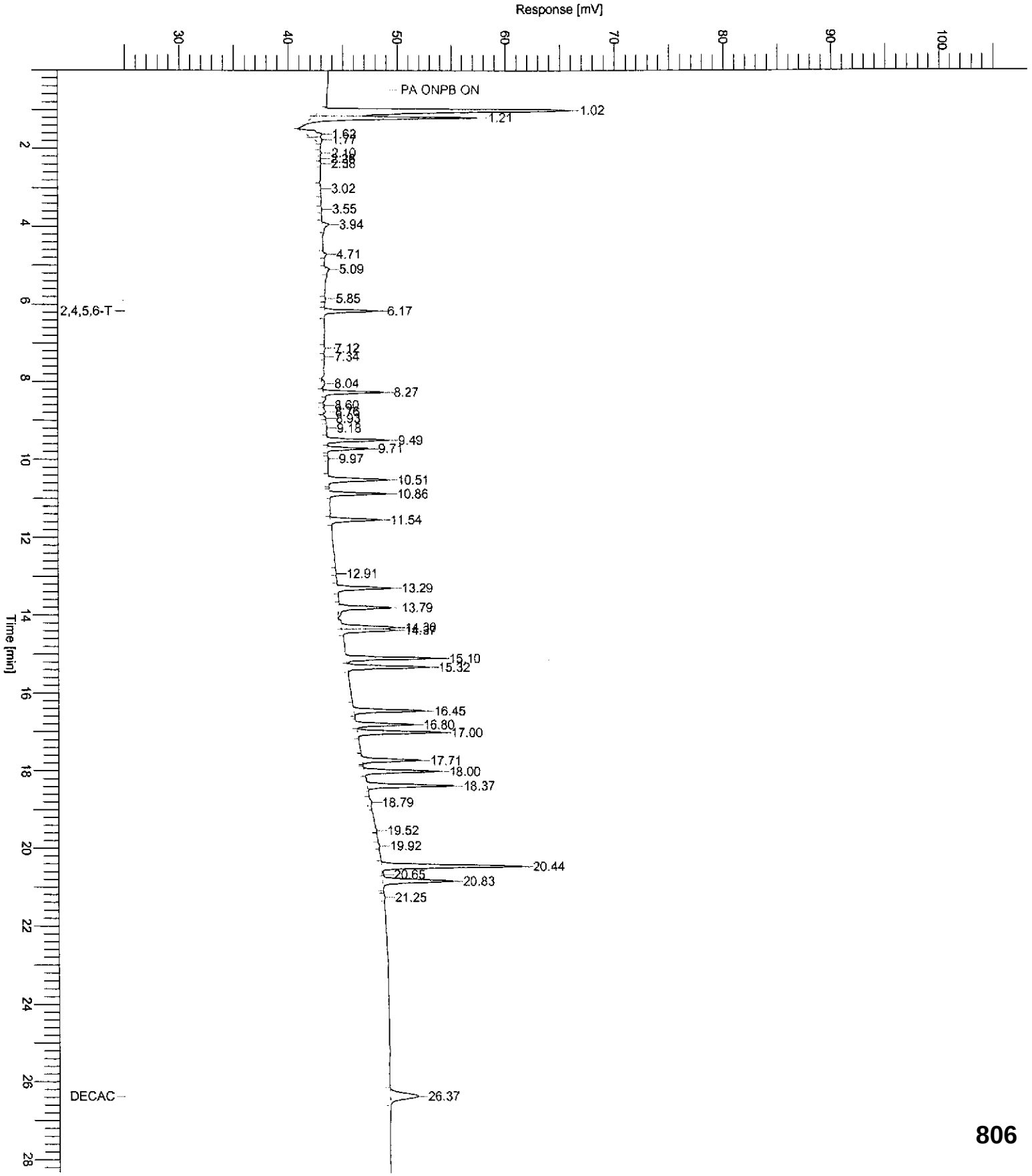
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.166	2,4,5,6-TCMX	20023.25	0.0025
26.369	DECACHLOROBIPHENYL	25981.32	0.0007
			0.0033

Report stored in ASCII file: E:\90sep08\C092348.TX0

Chromatogram

Sample Name : INDAB-6 Sample #: ICAL Page 1 of 1
FileName : E:\90sep08\C092348.raw
Date : 10/02/08 14:26:02
Method : 5890-90 Time of Injection: 09/26/08 09:38:03
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Continuing Calibration

PCB
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-90 SEQUENCE: 90102008.SEQ COLUMN: DB-608

SJS 10/29/08

		Name: AR1660-3		Name: AR1660-3		Name: AR1660-3		Name: AR1248-3	
		File: C102003		File: C102022		File: C102038		File: C102040	
		Date: 10/20/08		Date: 10/20/08		Date: 10/21/08		Date: 10/21/08	
		Time 11:34		Time 22:20		Time 10:55		Time 11:59	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20	0.212	6	0.211	6	0.210	5		
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20							0.219	9
AR1254	0.20								
AR1260	0.20	0.209	4	0.212	6	0.206	3		
AR1262	0.20								
AR1268	0.20								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
AR1016	0.20								
AR1221	0.20								
AR1232	0.20								
AR1242	0.20								
AR1248	0.20								
AR1254	0.20								
AR1260	0.20								
AR1262	0.20								
AR1268	0.20								

Software Version	: 6.1.2.0.1:D19	Date	: 10/20/08 13:47:06
Operator	: manager	Sample Name	: AR1660-3
Sample Number	:	Study	:
AutoSampler	: HP7673A	Rack/Vial	: 0/3
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 11:34:43	Cycle	: 3

Raw Data File : E:\90oct08\C102003.raw <Modified>
Result File : E:\90oct08\C102003.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102003.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

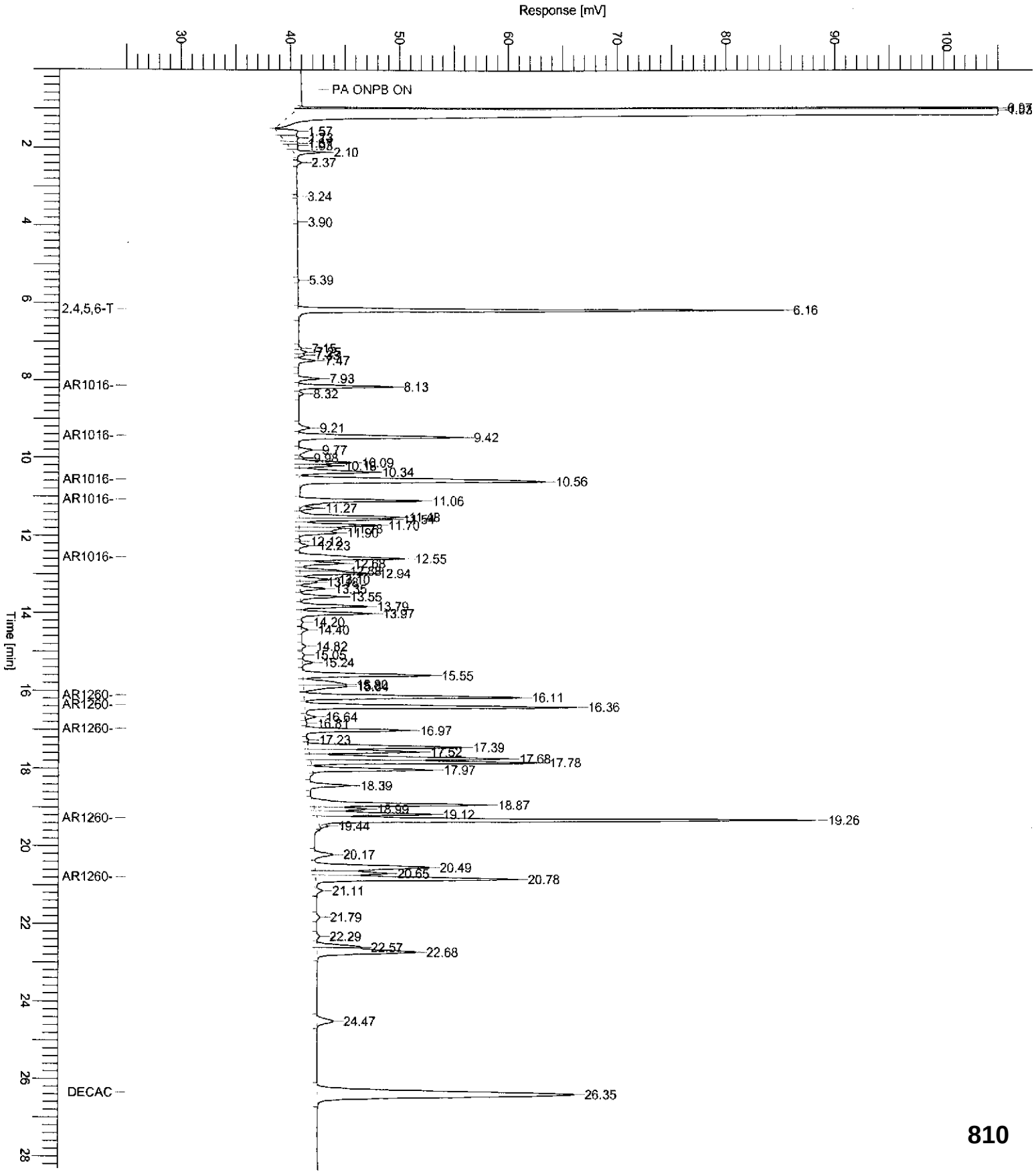
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	176123.15	0.0223
8.133	AR1016-1	36357.20	0.2116
9.425	AR1016-2	74551.85	0.2098
10.557	AR1016-3	146896.80	0.2099
11.062	AR1016-4	56433.01	0.2129
12.553	AR1016-5	54539.98	0.2160
16.107	AR1260-1	102701.74	0.2153
16.357	AR1260-2	122196.93	0.2079
16.971	AR1260-3	44258.00	0.2127
19.264	AR1260-4	227899.90	0.2018
20.784	AR1260-5	109853.27	0.2060
26.350	DECACHLOROBIPHENYL	246469.49	0.0250
			2.1512

Report stored in ASCII file: E:\90oct08\C102003.TXO

Chromatogram

Sample Name : AR1660-3 Sample #: Page 1 of 1
FileName : E:\90oct08\C102003.raw
Date : 10/20/08 13:47:13
Method : 5890-90 Time of Injection: 10/20/08 11:34:43
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:54:13
Operator	: manager	Sample Name	: AR1660-3
Sample Number	: CCV	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 0/22
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 22:20:39	Cycle	: 22

Raw Data File : E:\90oct08\C102022.raw <Modified>
Result File : E:\90oct08\C102022.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102022.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

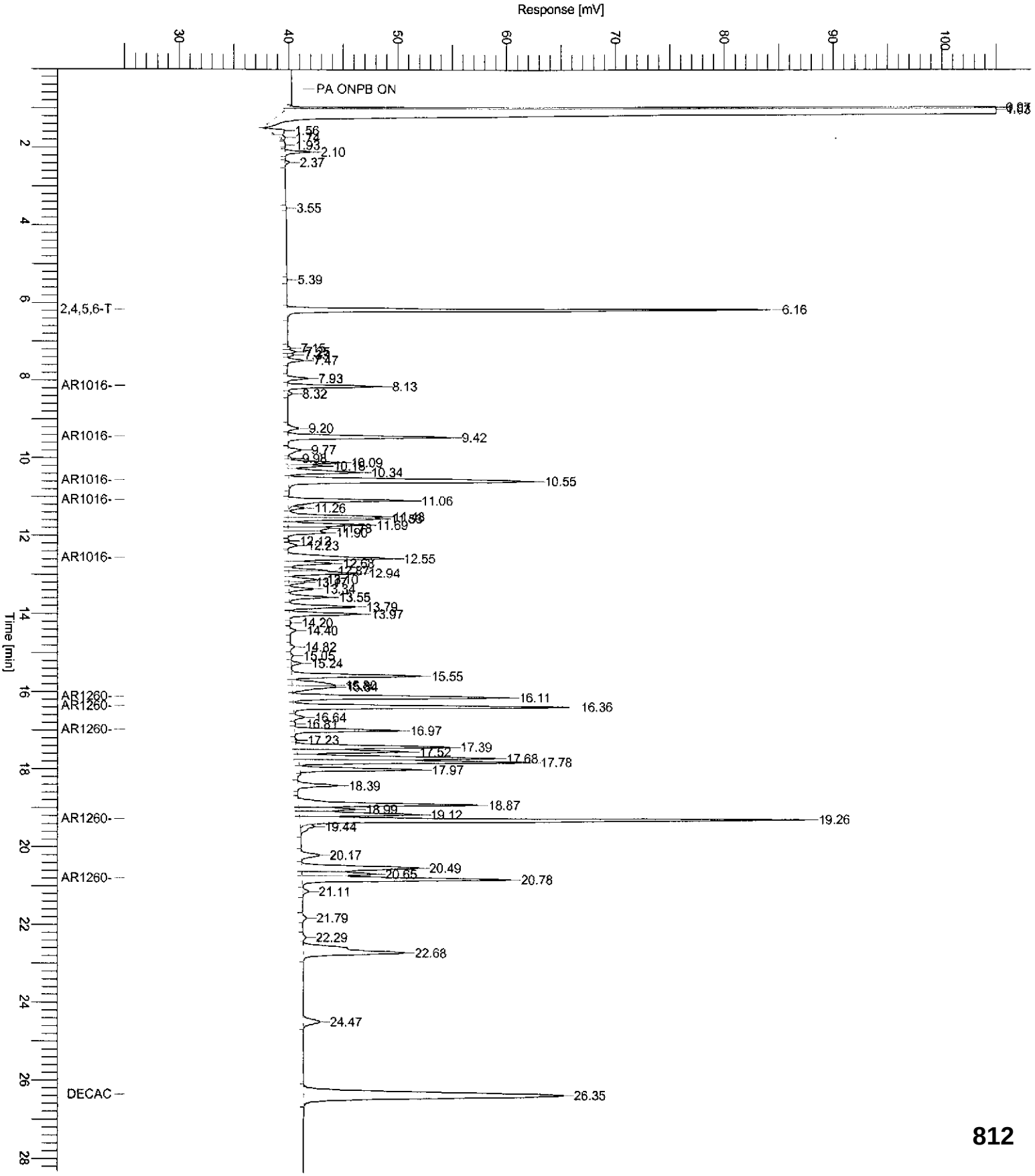
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.158	2,4,5,6-TCMX	176213.09	0.0223
8.132	AR1016-1	36006.58	0.2095
9.423	AR1016-2	73954.29	0.2081
10.554	AR1016-3	146578.68	0.2094
11.060	AR1016-4	56445.70	0.2129
12.551	AR1016-5	54335.24	0.2152
16.107	AR1260-1	103363.75	0.2167
16.357	AR1260-2	123469.63	0.2101
16.970	AR1260-3	44822.47	0.2154
19.262	AR1260-4	237425.40	0.2102
20.783	AR1260-5	111221.72	0.2086
26.350	DECACHLOROBIPHENYL	250010.30	0.0254
			2.1639

Report stored in ASCII file: E:\90oct08\C102022.TX0

Chromatogram

Sample Name : AR1660-3 Sample #: CCV Page 1 of 1
FileName : E:\90oct08\C102022.raw
Date : 10/21/08 09:54:19
Method : 5890-90 Time of Injection: 10/20/08 22:20:39
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 14:10:30
Operator	: manager	Sample Name	: AR1660-3
Sample Number	: CCV	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/38
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 10:55:04	Cycle	: 38

Raw Data File : E:\90oct08\C102038.raw <Modified>
Result File : E:\90oct08\C102038.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102038.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Calibration Report

ORGANOCHLORINE PESTICIDES/PCBs

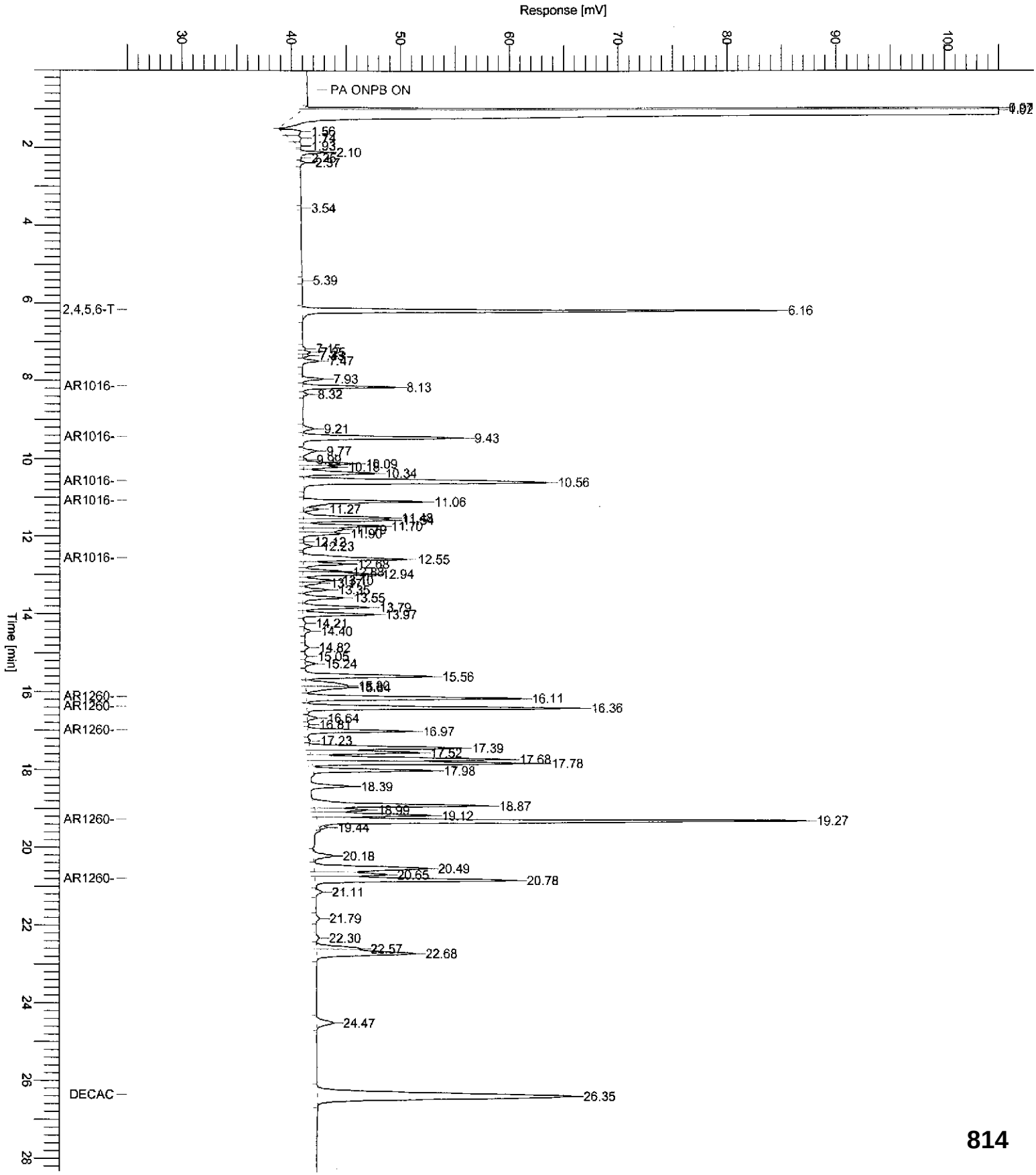
COLUMN: DB-608 30m x 0.53mmID

Time [min]	Component Name	Area [µV·s]	Concentration (ng)
6.159	2,4,5,6-TCMX	176454.67	0.0224
8.133	AR1016-1	35842.95	0.2086
9.425	AR1016-2	73982.36	0.2082
10.557	AR1016-3	144911.50	0.2070
11.063	AR1016-4	55888.10	0.2108
12.553	AR1016-5	54182.91	0.2146
16.109	AR1260-1	100932.17	0.2116
16.358	AR1260-2	120111.84	0.2044
16.972	AR1260-3	43792.83	0.2105
19.266	AR1260-4	225208.98	0.1994
20.785	AR1260-5	109122.31	0.2047
26.355	DECACHLOROBIPHENYL	243809.73	0.0247
			2.1268

Report stored in ASCII file: E:\90oct08\C102038.TX0

Chromatogram

Sample Name : AR1660-3 Sample #: CCV Page 1 of 1
FileName : E:\90oct08\C102038.raw
Date : 10/21/08 14:10:37
Method : 5890-90 Time of Injection: 10/21/08 10:55:04
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Raw QC Data

Preparation Blanks

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8271**	SampType: **MBLK**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398106**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.500									
Aroclor 1221	ND	0.500									
Aroclor 1232	ND	0.500									
Aroclor 1242	ND	0.500									
Aroclor 1248	ND	0.500									
Aroclor 1254	ND	0.500									
Aroclor 1260	ND	0.500									
Surr: Tetrachloro-m-xylene	0.525	0	0.6	0	88	36	131				
Surr: Decachlorobiphenyl	0.657	0	0.6	0	110	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

817

28-Oct-08

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:53:28
Operator	: manager	Sample Name	: MB-8271
Sample Number	: MBLK	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 0/18
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 1000.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 20:11:15	Cycle	: 18

Raw Data File : E:\90oct08\C102018.raw <Modified>
Result File : E:\90oct08\C102018.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102018.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

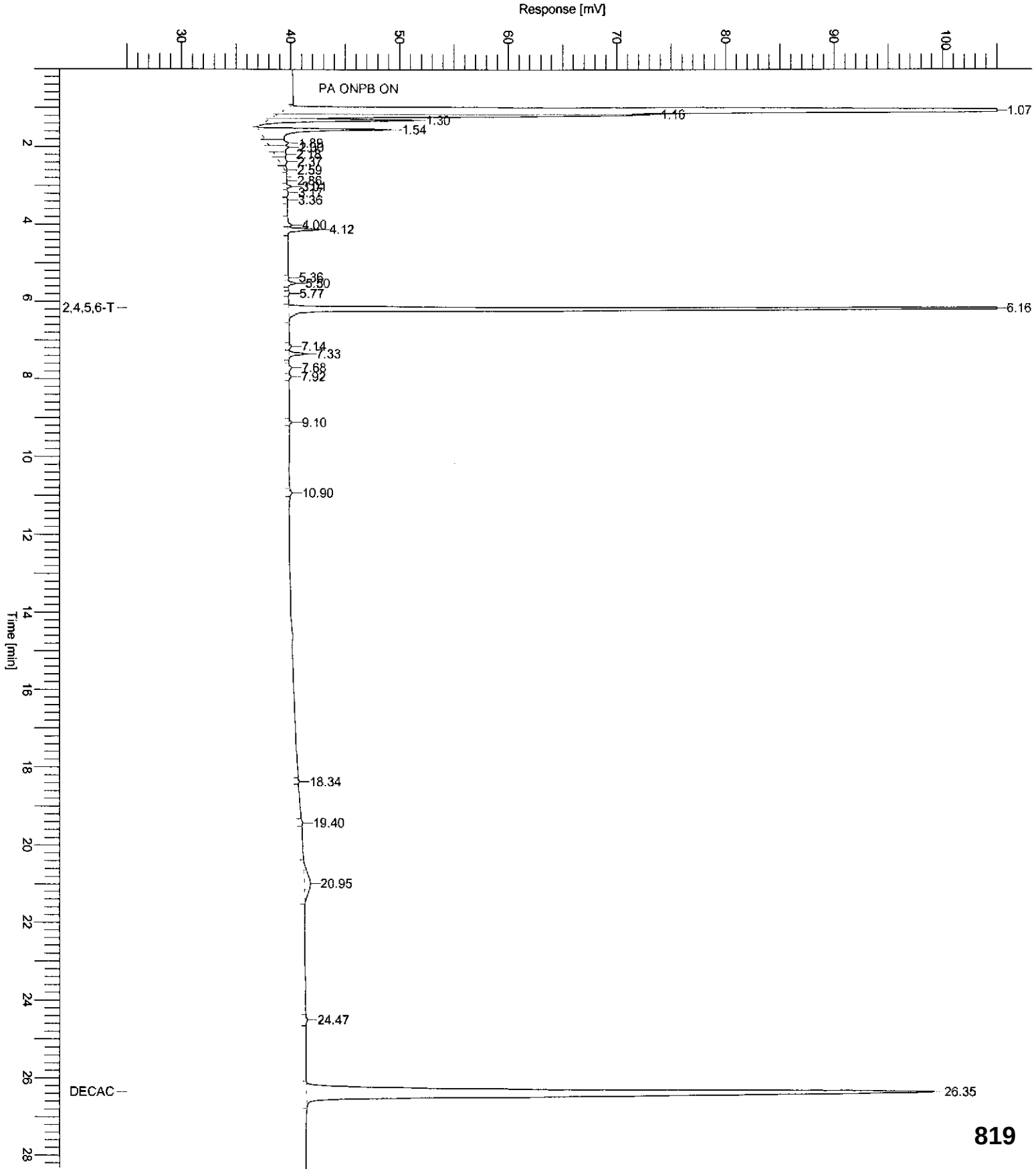
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.156	2,4,5,6-TCMX	413601.40	7884432.8	0.0525	1	10	1000	0.5246	0.600	87
26.347	DECACHLOROBIPHENYL	615256.45	9371607.9	0.0657	1	10	1000	0.6565	0.600	109

Report stored in ASCII file: E:\90oct08\C102018.TX0

Chromatogram

Sample Name : MB-8271 Sample #: MBLK Page 1 of 1
FileName : E:\90oct08\C102018.raw
Date : 10/21/08 09:53:34
Method : 5890-90 Time of Injection: 10/20/08 20:11:15
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/20/08 13:46:57
Operator	: manager	Sample Name	: PIBLK
Sample Number	:	Study	:
AutoSampler	: HP7673A	Rack/Vial	: 0/2
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 11:02:22	Cycle	: 2

Raw Data File : E:\90oct08\C102002.raw <Modified>
Result File : E:\90oct08\C102002.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102002.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

LABORATORY REPORT

ORGANOCHLORINE PESTICIDES/PCBS IN WATER

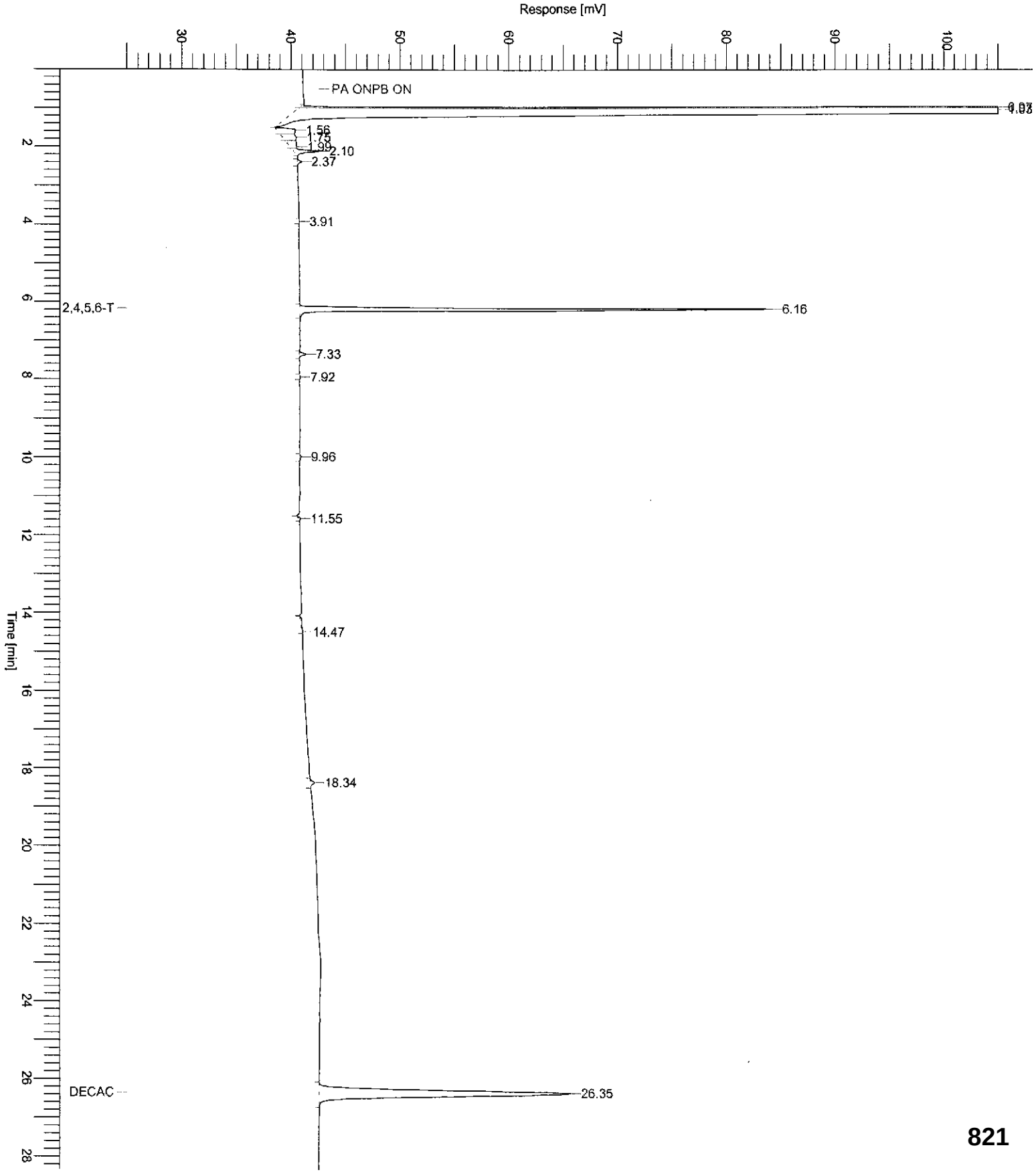
COLUMN: DB-608 30M X 0.53mm ID

Time [min]	Component Name	Area [uV*sec]	CALIBRATION RESPONSE	AMOUNT. NG	INJ. VOL UL	EXTRACT.VOL ML	SAMPLE SIZE(ML)	THEO.CON. TCMX/DCBP	% RECOVERY TCMX/DCBP
6.16	2,4,5,6-TCMX	173508.92	7884432.8	0.0220	1	1	1	20.00	110
26.35	DECACHLOROBIPHENYL	242670.93	9866571.3	0.0246	1	1	1	20.00	123

Report stored in ASCII file: E:\90oct08\C102002.TX0

Chromatogram

Sample Name : PIBLK Sample #: Page 1 of 1
FileName : E:\90oct08\C102002.raw
Date : 10/20/08 13:47:03
Method : 5890-90 Time of Injection: 10/20/08 11:02:22
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:54:03
Operator	: manager	Sample Name	: PIBLK
Sample Number	: PIBLK	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 0/21
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 21:48:22	Cycle	: 21

Raw Data File : E:\90oct08\C102021.raw <Modified>
Result File : E:\90oct08\C102021.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102021.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

LABORATORY REPORT

ORGANOCHLORINE PESTICIDES/PCBS IN WATER

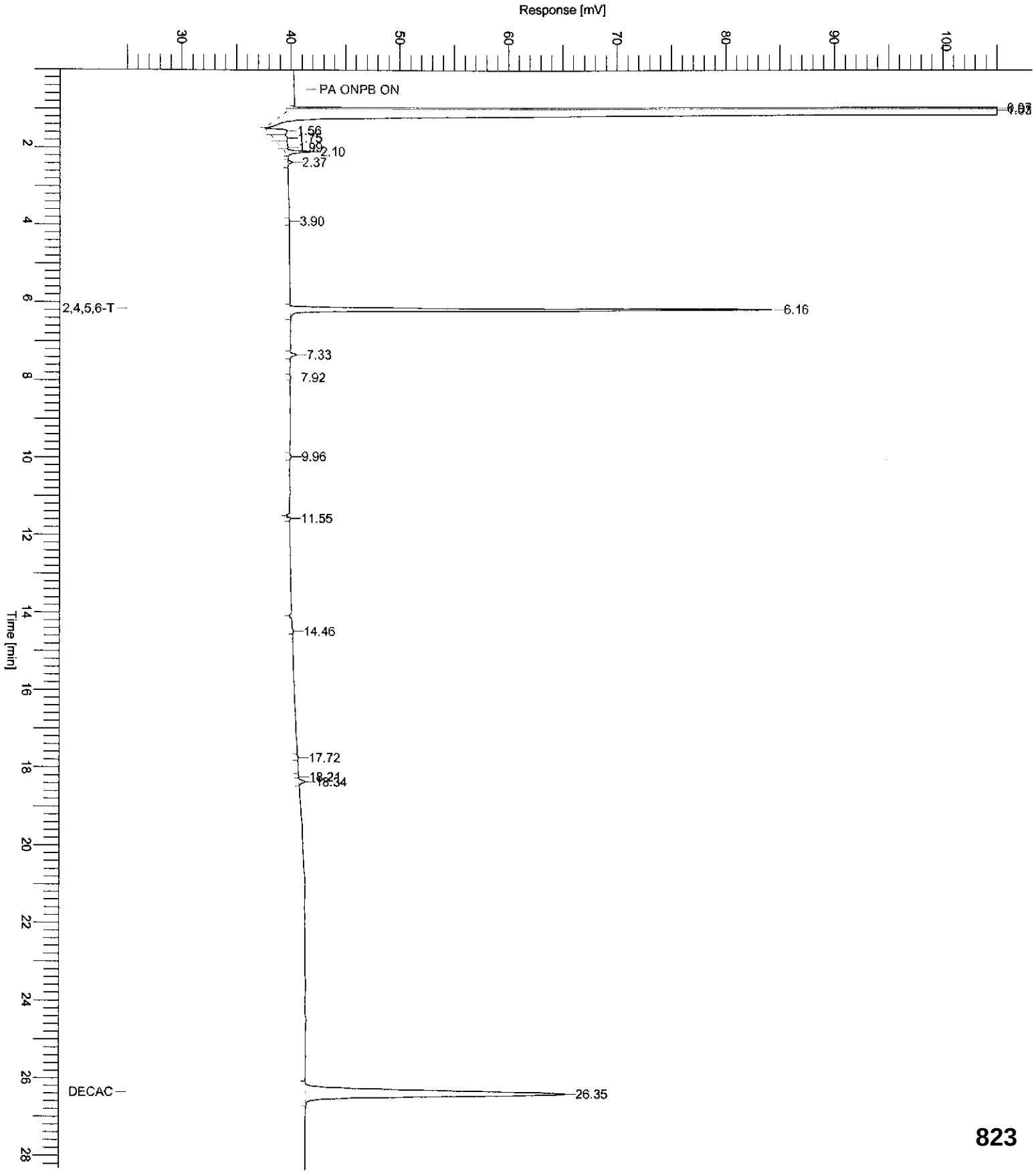
COLUMN: DB-608 30M X 0.53mm ID

Time [min]	Component Name	Area [uV*sec]	CALIBRATION RESPONSE	AMOUNT. NG	INJ. VOL UL	EXTRACT.VOL ML	SAMPLE SIZE(ML)	THEO.CON. TCMX/DCBP	% RECOVERY TCMX/DCBP
6.16	2,4,5,6-TCMX	176840.81	7884432.8	0.0224	1	1	1	20.00	112
26.35	DECACHLOROBIPHENYL	249775.64	9842155.3	0.0254	1	1	1	20.00	127

Report stored in ASCII file: E:\90oct08\C102021.TX0

Chromatogram

Sample Name : PIBLK Sample #: PIBLK Page 1 of 1
FileName : E:\90oct08\C102021.raw
Date : 10/21/08 09:54:09
Method : 5890-90 Time of Injection: 10/20/08 21:48:22
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 14:10:20
Operator	: manager	Sample Name	: PIBLK
Sample Number	: PIBLK	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/37
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 10:22:52	Cycle	: 37

Raw Data File : E:\90oct08\C102037.raw <Modified>
Result File : E:\90oct08\C102037.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102037.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

LABORATORY REPORT

ORGANOCHLORINE PESTICIDES/PCBS IN WATER

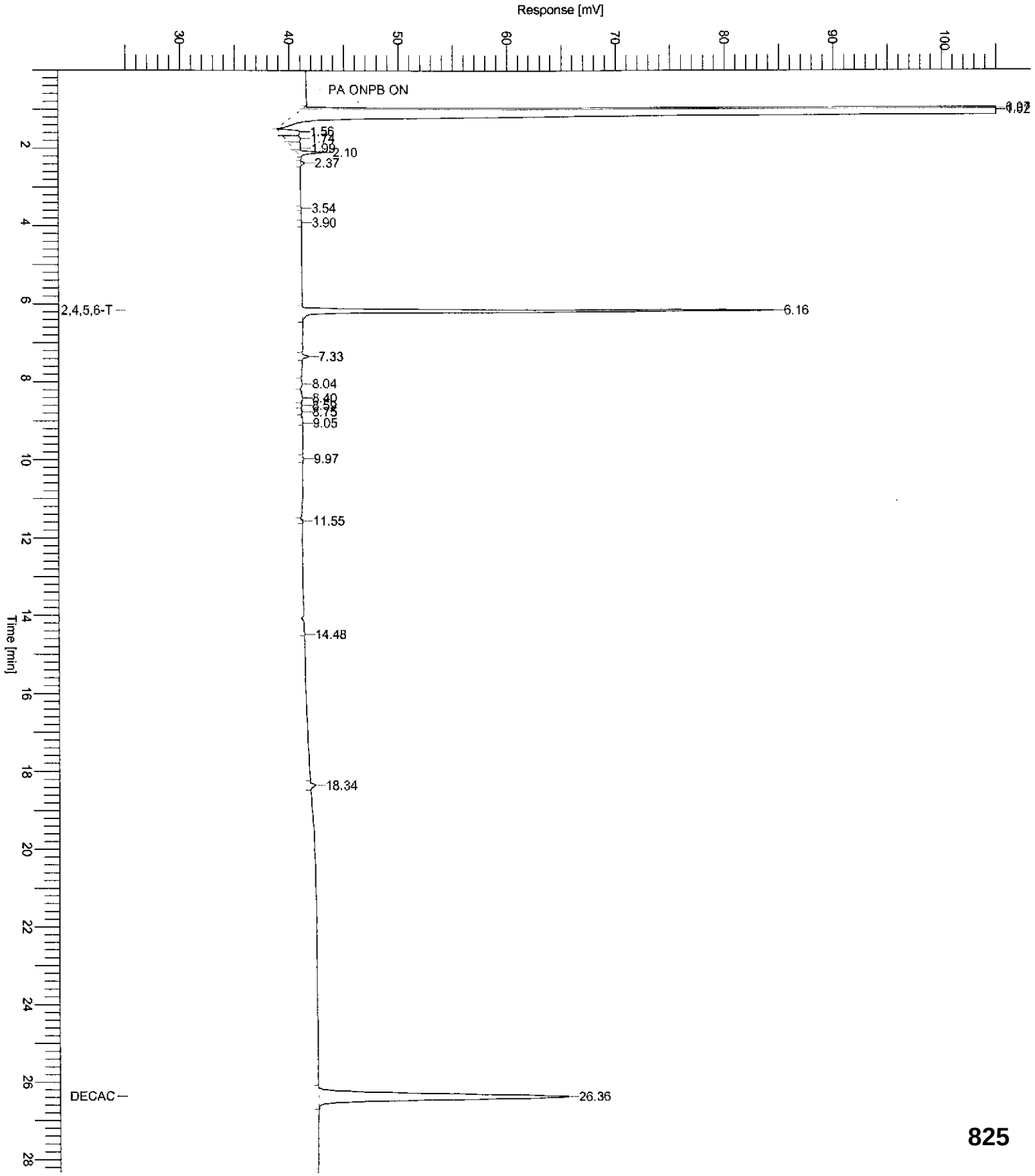
COLUMN: DB-608 30M X 0.53mm ID

Time [min]	Component Name	Area [uV*sec]	CALIBRATION RESPONSE	AMOUNT. NG	INJ. VOL UL	EXTRACT.VOL ML	SAMPLE SIZE(ML)	THEO.CON. TCMX/DCBP	% RECOVERY TCMX/DCBP
6.16	2,4,5,6-TCMX	174806.47	7884432.8	0.0222	1	1	1	20.00	111
26.36	DECACHLOROBIPHENYL	240332.46	9874951.3	0.0243	1	1	1	20.00	122

Report stored in ASCII file: E:\90oct08\C102037.TX0

Chromatogram

Sample Name : PIBLK Sample #: PIBLK Page 1 of 1
FileName : E:\90oct08\C102037.raw
Date : 10/21/08 14:10:27
Method : 5890-90 Time of Injection: 10/21/08 10:22:52
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Matrix Spike Blanks

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **MSB-8271**	SampType: **MSB**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398108**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	31	153				
Aroclor 1260	2.16	0.500	2	0	108	12	175				
Surr: Tetrachloro-m-xylene	0.550	0	0.6	0	92	36	131				
Surr: Decachlorobiphenyl	0.665	0	0.6	0	111	25	142				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

827

28-Oct-08

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:53:50
Operator	: manager	Sample Name	: ~~LCSD-8271~~ MSB-8271
Sample Number	: LCSD	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 0/20
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 1000.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 21:16:01	Cycle	: 20

SRC 10/29/08

Raw Data File : E:\90oct08\C102020.raw <Modified>
Result File : E:\90oct08\C102020.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102020.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

COLUMN: DB-608 30m x .53mmID

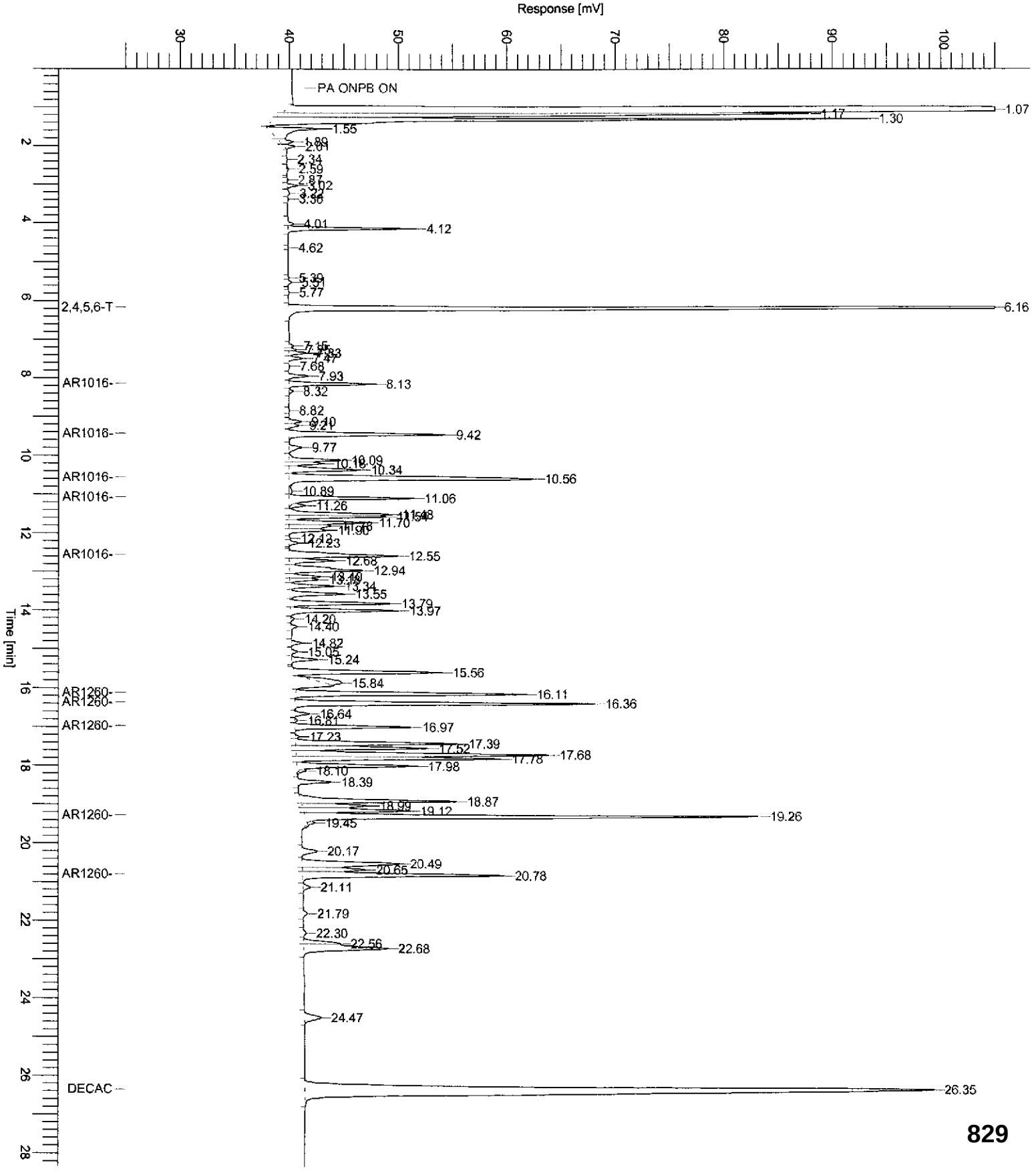
Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.158	2,4,5,6-TCMX	433660.30	7884432.8	0.0550	1	10	1000	0.5500	0.600	92
8.134	AR1016-1	33172.63	171837.3	0.1930	1	10	1000	1.9305	0.000	0
9.425	AR1016-2	71354.34	355308.9	0.2008	1	10	1000	2.0082	0.000	0
10.556	AR1016-3	148918.05	699931.8	0.2128	1	10	1000	2.1276	0.000	0
11.062	AR1016-4	59000.85	265100.9	0.2226	1	10	1000	2.2256	0.000	0
12.553	AR1016-5	58901.97	252523.7	0.2333	1	10	1000	2.3325	0.000	0
16.108	AR1260-1	109642.26	477061.9	0.2298	1	10	1000	2.2983	0.000	0
16.356	AR1260-2	130938.01	587725.6	0.2228	1	10	1000	2.2279	0.000	0
16.970	AR1260-3	49585.21	208048.4	0.2383	1	10	1000	2.3834	0.000	0
19.264	AR1260-4	211889.82	1129615.2	0.1876	1	10	1000	1.8758	0.000	0
20.784	AR1260-5	107753.29	533149.8	0.2021	1	10	1000	2.0211	0.000	0
26.348	DECACHLOROBIPHENYL	622678.43	9367959.5	0.0665	1	10	1000	0.6647	0.600	111

Report stored in ASCII file: E:\90oct08\C102020.TX0

Chromatogram

MSB-8271 5Sa. 10/28/08

Sample Name : ~~LCSD-8271~~ Sample #: LCSD Page 1 of 1
FileName : E:\90oct08\C102020.raw
Date : 10/21/08 09:53:59
Method : 5890-90 Time of Injection: 10/20/08 21:16:01
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Matrix Spikes

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMS**	SampType: **MS**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **MW-2**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/21/2008**	SeqNo: **398116**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.17	0.521	2.08	0	104	31	153				
Aroclor 1260	2.12	0.521	2.08	0	102	12	175				
Surr: Tetrachloro-m-xylene	0.573	0	0.625	0	92	36	131				
Surr: Decachlorobiphenyl	0.299	0	0.625	0	48	25	142				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

831

28-Oct-08

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:55:38
Operator	: manager	Sample Name	: 0810110-002BMS
Sample Number	: MS	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/30
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 02:38:59	Cycle	: 30

Raw Data File : E:\90oct08\C102030.raw <Modified>
Result File : E:\90oct08\C102030.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102030.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

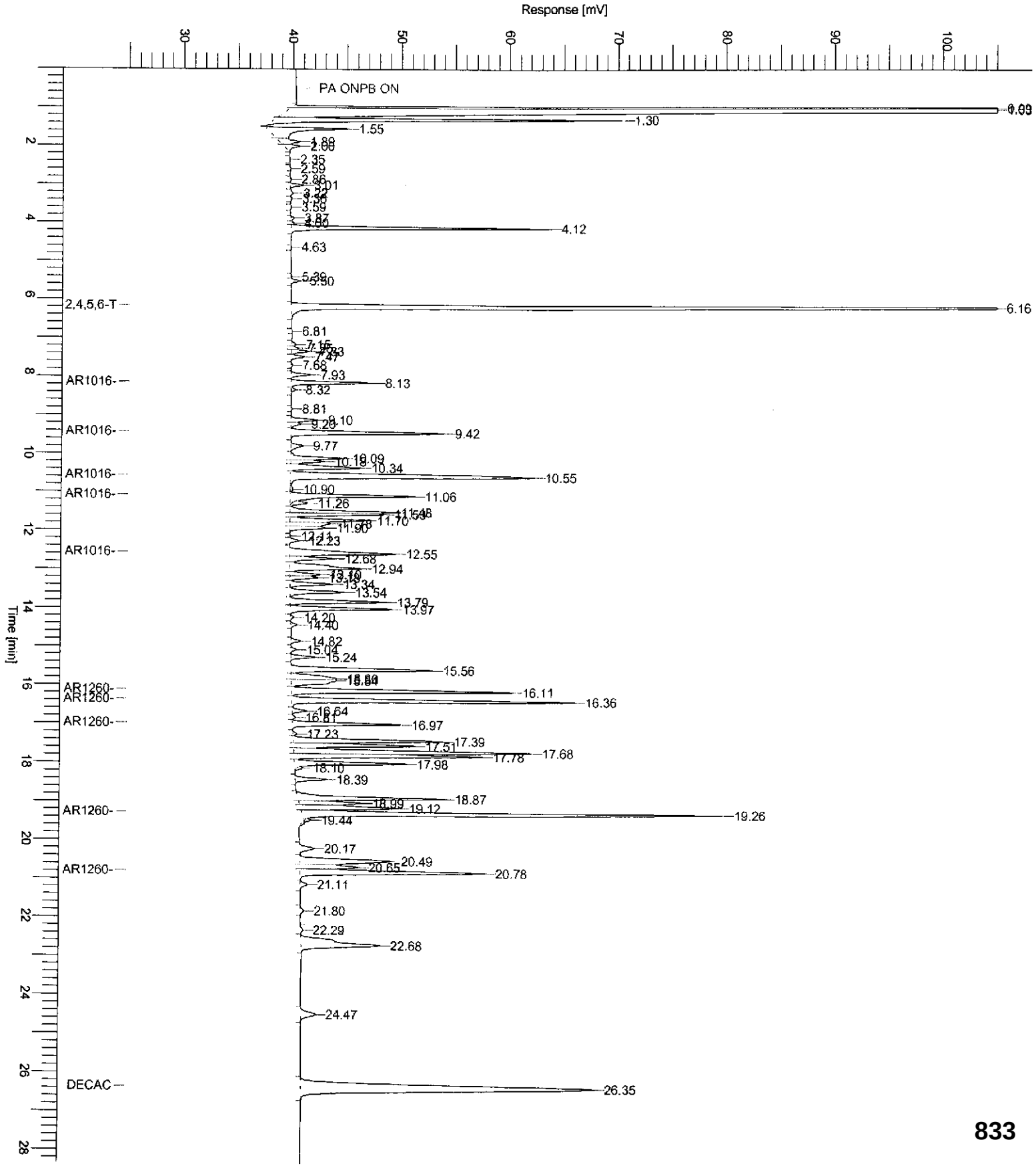
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.156	2,4,5,6-TCMX	433628.61	7884432.8	0.0550	1	10	960	0.5729	0.625	92
8.131	AR1016-1	32033.58	171837.3	0.1864	1	10	960	1.9419	0.000	0
9.422	AR1016-2	70363.23	355308.9	0.1980	1	10	960	2.0629	0.000	0
10.555	AR1016-3	146318.45	699931.8	0.2090	1	10	960	2.1776	0.000	0
11.060	AR1016-4	58203.84	265100.9	0.2196	1	10	960	2.2870	0.000	0
12.550	AR1016-5	57978.93	252523.7	0.2296	1	10	960	2.3916	0.000	0
16.106	AR1260-1	105305.31	477061.9	0.2207	1	10	960	2.2993	0.000	0
16.355	AR1260-2	124261.57	587725.6	0.2114	1	10	960	2.2024	0.000	0
16.970	AR1260-3	46133.28	208048.4	0.2217	1	10	960	2.3098	0.000	0
19.263	AR1260-4	197870.52	1129615.2	0.1752	1	10	960	1.8246	0.000	0
20.783	AR1260-5	99825.54	533149.8	0.1872	1	10	960	1.9504	0.000	0
26.352	DECACHLOROBIPHENYL	279855.74	9753544.1	0.0287	1	10	960	0.2989	0.625	48

Report stored in ASCII file: E:\90oct08\C102030.TX0

Chromatogram

Sample Name : 0810110-002BMS Sample #: MS Page 1 of 1
FileName : E:\90oct08\C102030.raw
Date : 10/21/08 09:55:47
Method : 5890-90 Time of Injection: 10/21/08 02:38:59
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW8082
Work Order: 0810110
CLIENT: Beardsley Design Associates **Project:** Brown Mfg Brownsfield, NY

Sample ID: **0810110-002BMSD**	SampType: **MSD**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **MW-2**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/21/2008**	SeqNo: **398117**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.24	0.521	2.08	0	107	31	153	2.17	3.0	51	
Aroclor 1260	2.26	0.521	2.08	0	108	12	175	2.12	6.4	25	
Surr: Tetrachloro-m-xylene	0.586	0	0.625	0	94	36	131	0		0	
Surr: Decachlorobiphenyl	0.370	0	0.625	0	59	25	142	0		0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

834

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:55:51
Operator	: manager	Sample Name	: 0810110-002BMSD
Sample Number	: MSD	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 1/31
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 960.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/21/08 03:11:23	Cycle	: 31

Raw Data File : E:\90oct08\C102031.raw <Modified>
Result File : E:\90oct08\C102031.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102031.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

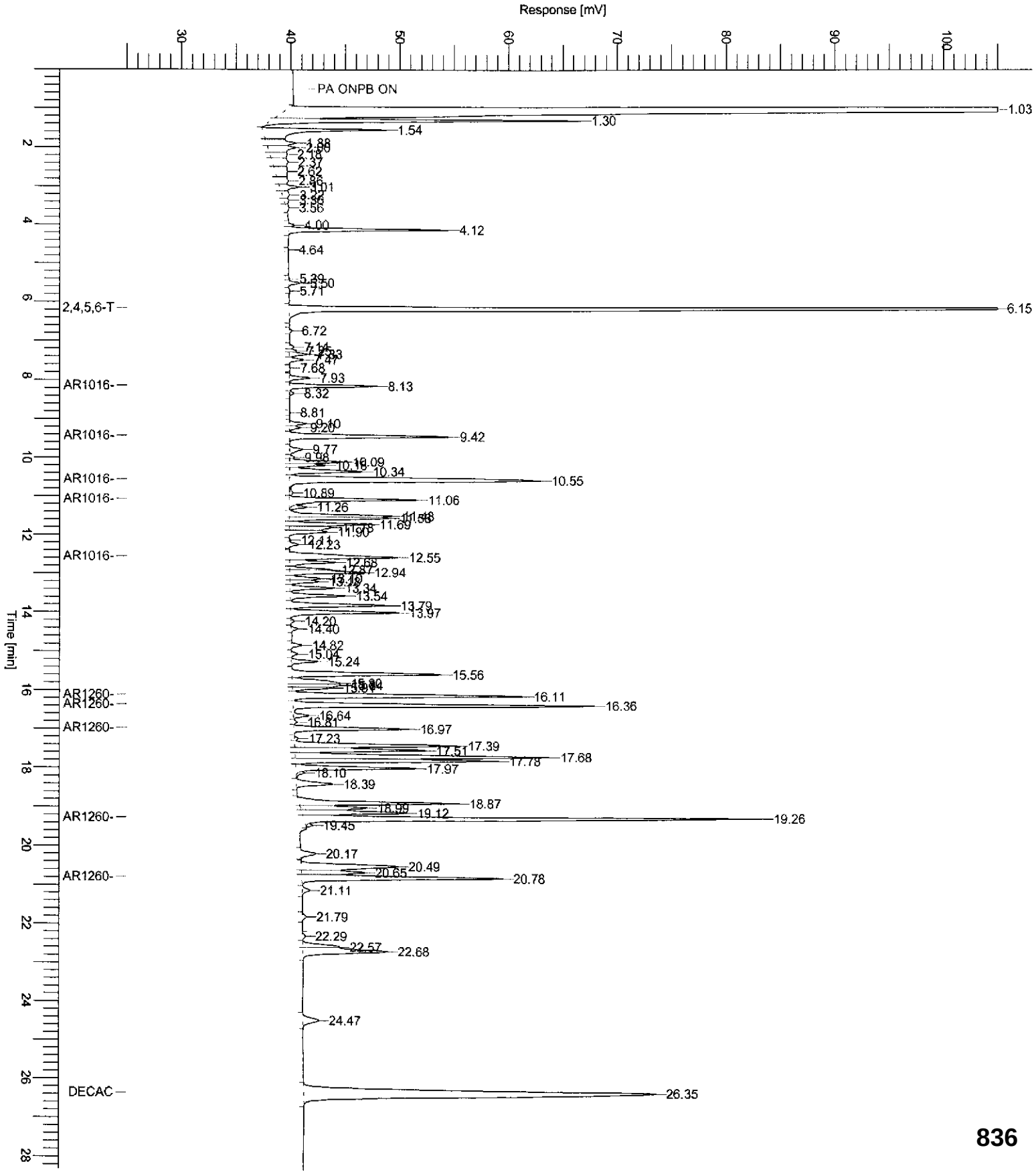
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.155	2,4,5,6-TCMX	444267.38	7884432.8	0.0563	1	10	960	0.5870	0.625	94
8.130	AR1016-1	33580.93	171837.3	0.1954	1	10	960	2.0357	0.000	0
9.422	AR1016-2	72782.07	355308.9	0.2048	1	10	960	2.1338	0.000	0
10.553	AR1016-3	150442.72	699931.8	0.2149	1	10	960	2.2389	0.000	0
11.059	AR1016-4	59682.98	265100.9	0.2251	1	10	960	2.3451	0.000	0
12.550	AR1016-5	59091.73	252523.7	0.2340	1	10	960	2.4375	0.000	0
16.106	AR1260-1	111570.03	477061.9	0.2339	1	10	960	2.4361	0.000	0
16.355	AR1260-2	131990.17	587725.6	0.2246	1	10	960	2.3394	0.000	0
16.969	AR1260-3	49350.11	208048.4	0.2372	1	10	960	2.4709	0.000	0
19.262	AR1260-4	210790.81	1129615.2	0.1866	1	10	960	1.9438	0.000	0
20.783	AR1260-5	107016.22	533149.8	0.2007	1	10	960	2.0909	0.000	0
26.349	DECACHLOROBIPHENYL	342046.88	9622743.2	0.0355	1	10	960	0.3703	0.625	59

Report stored in ASCII file: E:\90oct08\C102031.TX0

Chromatogram

Sample Name : 0810110-002BMSD Sample #: MSD Page 1 of 1
FileName : E:\90oct08\C102031.raw
Date : 10/21/08 09:55:59
Method : 5890-90 Time of Injection: 10/21/08 03:11:23
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Laboratory Control Sample

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8082

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-8271**	SampType: **LCS**	TestCode: **8082W**	Units: **µg/L**	Prep Date: **10/15/2008**	RunNo: **15213**		
Client ID: **ZZZZZ**	Batch ID: **8271**	Method: **SW8082**	**(SW3520C)**	Analysis Date: **10/20/2008**	SeqNo: **398107**		
Instrument: **GC90_20C**	ColumnID: **DB-608**	**J&W DB-608, 0.82 df**					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.12	0.500	2	0	106	48	142				
Aroclor 1260	2.19	0.500	2	0	110	56	136				
Surr: Tetrachloro-m-xylene	0.528	0	0.6	0	88	36	131				
Surr: Decachlorobiphenyl	0.676	0	0.6	0	113	25	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

838

28-Oct-08

Software Version	: 6.1.2.0.1:D19	Date	: 10/21/08 09:53:38
Operator	: manager	Sample Name	: LCS-8271
Sample Number	: LCS	Study	: 8082W
AutoSampler	: HP7673A	Rack/Vial	: 0/19
Instrument Name	: HP5890-90	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1024
Delay Time	: 0.00 min	End Time	: 28.33 min
Sampling Rate	: 2.5000 pts/s		
Volume Injected	: 1.000000 uL	Area Reject	: 10.000000
Sample Amount	: 1000.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/20/08 20:43:39	Cycle	: 19

Raw Data File : E:\90oct08\C102019.raw <Modified>
Result File : E:\90oct08\C102019.rst
Inst Method : C:\TcData\Methods\5890-90 from E:\90oct08\C102019.rst
Proc Method : E:\Methods\cpest.mth
Calib Method : E:\Methods\c60092308.mth
Sequence File : E:\Methods\90102008.seq

Laboratory Report

ORGANOCHLORINE PESTICIDES/PCBs in water

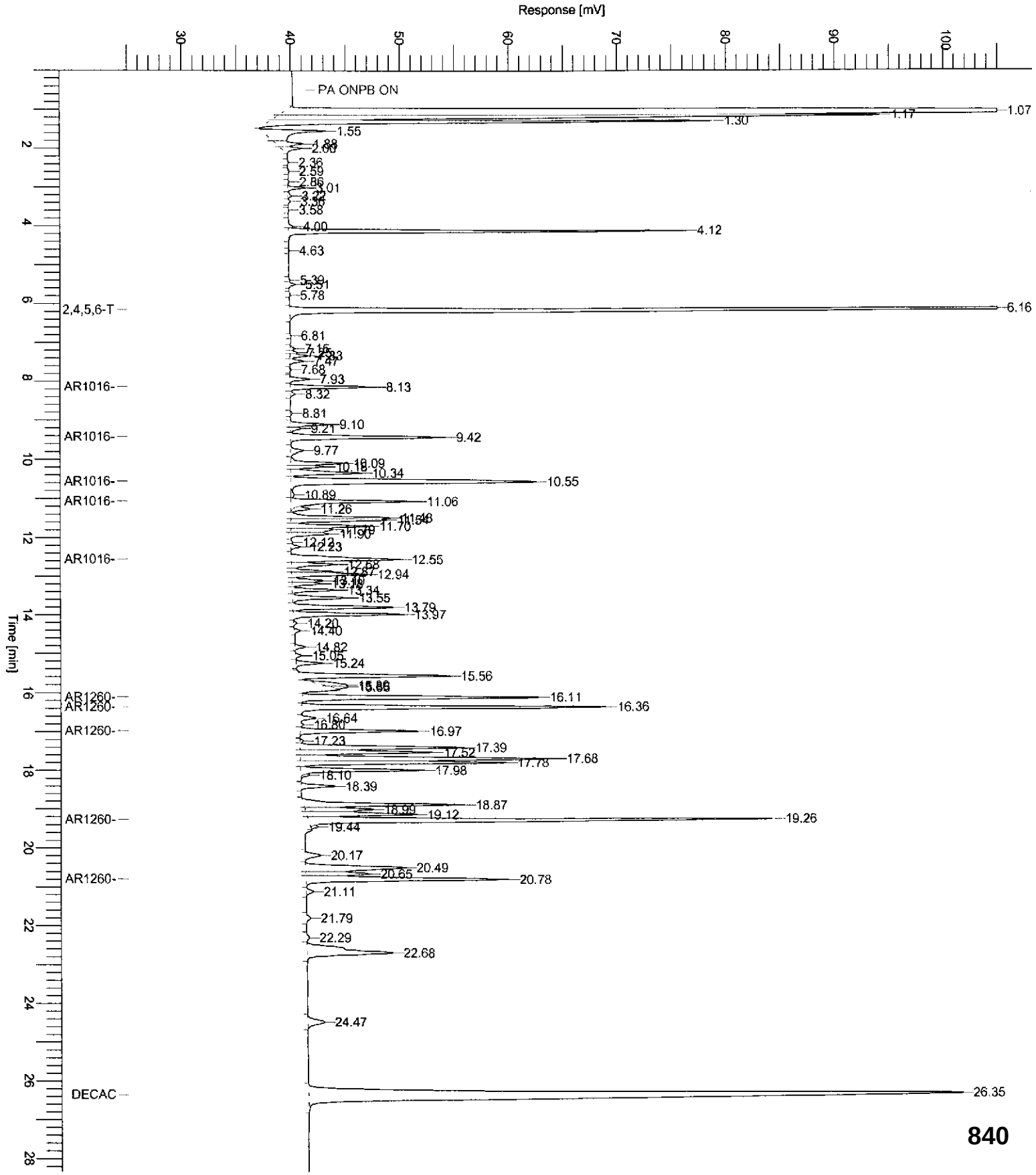
COLUMN: DB-608 30m x .53mmID

Time [min]	Component Name	Peak Area [uV*sec]	Calibration Response	Amount (ng)	Inj.Vol. (uL)	Extract.Vol. (mL)	Sample Size(mL)	Concentration (ug/L)	Theo.Conc. TCMX/DCBP	% Recovery TCMX/DCBP
6.157	2,4,5,6-TCMX	416484.15	7884432.8	0.0528	1	10	1000	0.5282	0.600	88
8.133	AR1016-1	32485.71	171837.3	0.1890	1	10	1000	1.8905	0.000	0
9.423	AR1016-2	71192.87	355308.9	0.2004	1	10	1000	2.0037	0.000	0
10.554	AR1016-3	147633.92	699931.8	0.2109	1	10	1000	2.1093	0.000	0
11.061	AR1016-4	59012.90	265100.9	0.2226	1	10	1000	2.2261	0.000	0
12.552	AR1016-5	59243.59	252523.7	0.2346	1	10	1000	2.3461	0.000	0
16.107	AR1260-1	110536.99	477061.9	0.2317	1	10	1000	2.3170	0.000	0
16.356	AR1260-2	132837.30	587725.6	0.2260	1	10	1000	2.2602	0.000	0
16.970	AR1260-3	50331.05	208048.4	0.2419	1	10	1000	2.4192	0.000	0
19.263	AR1260-4	215327.48	1129615.2	0.1906	1	10	1000	1.9062	0.000	0
20.783	AR1260-5	109380.74	533149.8	0.2052	1	10	1000	2.0516	0.000	0
26.348	DECACHLOROBIPHENYL	632662.22	9363191.1	0.0676	1	10	1000	0.6757	0.600	113

Report stored in ASCII file: E:\90oct08\C102019.TX0

Chromatogram

Sample Name : LCS-8271 Sample #: LCS Page 1 of 1
FileName : E:\90oct08\C102019.raw
Date : 10/21/08 09:53:46
Method : 5890-90 Time of Injection: 10/20/08 20:43:39
Start Time : 0.00 min End Time : 28.33 min Low Point : 25.00 mV High Point : 105.00 mV
Plot Offset: 25.00 mV Plot Scale: 80.0 mV



Laboratory Worksheets

Copy of Calculations

EXAMPLE CALCULATIONS

Using TurboChrom 6.0

On Initial Calibration Summary

Calibration Factor for GC

$$CF = \frac{\text{Peak Area of the Standard}}{\text{Adjusted Mass}}$$

Adjusted Mass

$$\text{Adjusted Mass} = (\text{Mass injected ng})(\text{Volume injected } \mu L)$$

Average Calibration Factor

$$\overline{CF} = \frac{\sum_{1}^{n} CF_n}{n}$$

Calibration Curve Using a First or Second Order Fit

Curve will plot area versus adjusted mass and give the equation of a first or second order regression.

On Sample Report Form

Sample Mass Injected ng

$$\text{Sample Mass Injected ng} = \frac{A_x}{RF}$$

Where:

A_x = Area of the peak for the compound to be measured
RF = average calibration factor based on (peak area)/(mass injected ng)**

OR

$$\text{Sample Mass Injected ng} = \frac{\text{Adjusted Mass From Solving Regression Equation}}{\text{Volume Injected } \mu L}$$

EXAMPLE CALCULATIONS

Final Concentration

Water

$$\text{Concentration } (\mu g/L) = \frac{(\text{Sample Mass Injected ng})(V_t)(Df)}{(V_o)(V_i)}$$

Where:

V_o = Volume of water extracted (mL)
V_i = Volume of extract injected (µL) {1 µL}
V_t = Volume of concentrated extract (µL)
Df = Dilution factor

Soil

$$\text{Concentration } (\mu g/kg) = \frac{(\text{Sample Mass Injected ng})(V_t)(Df)}{(V_i)(W_s)(D)}$$

Where:

W_s = Weight of sample extracted (g)
V_t = Volume of concentrated extract (µL)
V_i = Volume of extract injected (µL) {1 µL}
D = % solids/100
Df = Dilution factor

**The average calibration factor on the sample report form {RF} is related to the average calibration factor on the initial calibration summary {CF} by: RF = (CF)(Volume injected µL). The CF is multiplied by volume injected to compensate for the adjusted mass injected being used to calculate the CF.

EXAMPLE CALCULATIONS

Calibration Factor for GC

$$CF = \frac{\text{Peak Area of the Standard}}{\text{Mass Injected (ng)}}$$

Final Concentration for GC

Water

$$\text{Concentration } (\mu g/L) = \frac{(A_x)(V_t)(Df)}{(CF)(V_o)(V_i)}$$

Where:

A_x = Area of the peak for the compound to be measured
V_o = Volume of water extracted (mL)
V_i = Volume of extract injected (µL) {1 µL}
V_t = Volume of concentrated extract (µL)
Df = Dilution factor

Soil

$$\text{Concentration } (\mu g/kg) = \frac{(A_x)(V_t)(Df)(2.0)}{(CF)(V_i)(W_s)(D)}$$

Where:

A_x = Area of the peak for the compound to be measured
W_s = Weight of sample extracted (g)
V_t = Volume of concentrated extract (µL)
V_i = Volume of extract injected (µL) {1 µL}
D = % solids/100
Df = Dilution factor
The factor of 2.0 is used to account for the amount of extract that is not recovered from the GPC. If the GPC is not used, this factor is not used.

Extraction Logs

Life Science Laboratories, Inc.

PREP BATCH REPORT

Prep Start Date: **10/15/2008 12:57:0**
Prep End Date: **10/17/2008 9:45:00**

Prep Batch **8271** Prep Code: **3520W_8082W** Technician: **Cassondra L. Renf**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0810110-001B	Water	8	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-002B	Water	8	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-002BMS	Water	8	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-002BMSD	Water	8	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-003B	Water	7	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-004B	Water	8	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
0810110-005B	Water	7	960	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
LCS-8271	Aqueous	7	1000	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
MB-8271	Aqueous	7	1000	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash
MSB-8271	Aqueous	7	1000	0	0	10	0.010	10/15/2008	10/17/2008 Acid wash

GC Semivolatile Sample Extraction Log - Pesticide/PCB in Water by Continuous Liquid-Liquid Extraction Method SW3520

Date Extracted: 10-15-08 QC Batch #: 8271 Log Review By/Date: [illegible] 10/17/08

Client Name/Project	Sample ID	Test Code	QC Level	Sample Size (mL)	Init pH	Target E.V. (mL)	Final E.V. (mL)	Post Clean -up (mL)	Comments
—	MB-8271	8082W	6	1000	7	10.0	10.0	10.0	1) 3)
↓	LCS-8271	↓	↓	↓	↓	↓	↓	↓	2)
	MSB-8271								↓
Beardsley	0810110-001B			960	8				
	-002B			980	8				
	-002BMS			960	8				2)
	-002BMSD				8				↓
	-003B				7				
	-004B				8				
↓	-005B	↓	↓	↓	7	↓	↓	↓	↓ ↓

CLL 10-16-08

Extracted By/Date: C. Turpin 10-15-08

Concentrated By/Date: C. Turpin 10-16-08

Extracts in Fridge # 6A By/Date: C. Turpin 10-17-08

Supervisor Review/Date: [illegible] 10-20-08

Page

SOP # 100-9A

QC Batch #: 8271

Solvent	Lot/ID #
DCM	627400
Hexane	630E24
—	—

Reagents Used	Lot/ID #
NaSO4	G20609
Sulfuric Acid	E34F03
Florisil	—

Comments:

1) Surrogate: 1000 uL of 0.6 ug/mL of surrogate standard # E616

2) Spike: 40 uL of 50.0 ug/ml AR 1600 # E600

Surrogate/Spike by CZR witnessed by SG.

3) Cleanups: Acid Wash

4)

5)

6)

Time On: 16:00

Time Off: 10:00

Log Review By/Date: LL 10/17/08

Supervisor Review/Date: [signature] 11-5-08

Page ____

Injection Logs

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-90 Column: DB-608 Sequence: 90092308.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	WASH		C092301	09/23/08	16:53	1	1	1	
2	2	PIBLK	ICAL	C092302	09/23/08	17:25	1	1	1	
3	3	AR1660-1	ICAL	C092303	09/23/08	17:58	1	1	1	
4	4	AR1660-2	ICAL	C092304	09/23/08	18:30	1	1	1	
5	5	AR1660-3	ICAL	C092305	09/23/08	19:03	1	1	1	
6	6	AR1660-4	ICAL	C092306	09/23/08	19:35	1	1	1	
7	7	AR1660-5	ICAL	C092307	09/23/08	20:07	1	1	1	
8	8	AR1221-1	ICAL	C092308	09/24/08	10:16	1	1	1	
9	9	AR1221-2	ICAL	C092309	09/24/08	10:49	1	1	1	
10	10	AR1221-3	ICAL	C092310	09/24/08	11:21	1	1	1	
11	11	AR1221-4	ICAL	C092311	09/24/08	11:54	1	1	1	
12	12	AR1221-5	ICAL	C092312	09/24/08	12:26	1	1	1	
13	13	AR1232-1	ICAL	C092313	09/24/08	12:58	1	1	1	
14	14	AR1232-2	ICAL	C092314	09/24/08	13:31	1	1	1	
15	15	AR1232-3	ICAL	C092315	09/24/08	14:03	1	1	1	
16	16	AR1232-4	ICAL	C092316	09/24/08	14:35	1	1	1	
17	17	AR1232-5	ICAL	C092317	09/25/08	14:43	1	1	1	
18	18	AR1242-1	ICAL	C092318	09/24/08	15:42	1	1	1	
19	19	AR1242-2	ICAL	C092319	09/24/08	16:14	1	1	1	
20	20	AR1242-3	ICAL	C092320	09/24/08	16:47	1	1	1	

Comments: 1)

2)

Analyst/Date SSR. 10/7/08

Supervisor/Date: 11-5-08

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Method:8081,8082,608,8151, _____
Circle method used; note in comment column if additional methods referenced

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-90 Column: DB-608 Sequence: 90092308.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
21	21	AR1242-4	ICAL	C092321	09/24/08	17:19	1	1	1	
22	22	AR1242-5	ICAL	C092322	09/24/08	17:51	1	1	1	
23	23	AR1248-1	ICAL	C092323	09/24/08	18:24	1	1	1	
24	24	AR1248-2	ICAL	C092324	09/24/08	18:56	1	1	1	
25	25	AR1248-3	ICAL	C092325	09/24/08	19:28	1	1	1	
26	26	AR1248-4	ICAL	C092326	09/24/08	20:01	1	1	1	
27	27	AR1248-5	ICAL	C092327	09/24/08	20:33	1	1	1	
28	28	AR1254-1	ICAL	C092328	09/24/08	21:05	1	1	1	
29	29	AR1254-2	ICAL	C092329	09/24/08	21:37	1	1	1	
30	30	AR1254-3	ICAL	C092330	09/24/08	22:10	1	1	1	
31	31	AR1254-4	ICAL	C092331	09/24/08	22:42	1	1	1	
32	32	AR1254-5	ICAL	C092332	09/24/08	23:14	1	1	1	
33	33	AR1262-1	ICAL	C092333	09/24/08	23:47	1	1	1	
34	34	AR1262-2	ICAL	C092334	09/25/08	00:19	1	1	1	
35	35	AR1262-3	ICAL	C092335	09/25/08	09:49	1	1	1	
36	36	AR1262-4	ICAL	C092336	09/25/08	10:23	1	1	1	
37	37	AR1262-5	ICAL	C092337	10/02/08	14:33	1	1	1	
38	38	AR1268-1	ICAL	C092338	09/25/08	11:29	1	1	1	
39	39	AR1268-2	ICAL	C092339	09/25/08	12:02	1	1	1	
40	40	AR1268-3	ICAL	C092340	09/25/08	12:34	1	1	1	

Comments: 1)

2)

Analyst/Date STR - 10/7/08

Supervisor/Date: [signature] 11-5-08

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Method:8081,8082,608,8151, _____
Circle method used; note in comment column if additional methods referenced

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-90 Column: DB-608 Sequence: 90092308.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
41	41	AR1268-4	ICAL	C092341	09/25/08	13:07	1	1	1	
42	42	AR1268-5	ICAL	C092342	09/25/08	13:39	1	1	1	
43	43	INDAB-1	ICAL	C092343	09/25/08	14:11	1	1	1	
44	44	INDAB-2	ICAL	C092344	09/25/08	15:17	1	1	1	
45	45	INDAB-3	ICAL	C092345	09/25/08	15:50	1	1	1	
46	46	INDAB-4	ICAL	C092346	09/25/08	16:22	1	1	1	
47	47	INDAB-5	ICAL	C092347	09/25/08	16:55	1	1	1	
48	48	INDAB-6	ICAL	C092348	09/26/08	09:38	1	1	1	
49	49	I09230860	2SRC	C092349	09/26/08	10:12	1000	10	1	
50	50	I09230821	2SRC	C092350	09/26/08	10:44	1000	10	1	
51	51	I09230832	2SRC	C092351	09/26/08	11:17	1000	10	1	
52	52	I09230842	2SRC	C092352	09/26/08	11:49	1000	10	1	
53	53	I09230848	2SRC	C092353	09/26/08	12:21	1000	10	1	
54	54	I09230854	2SRC	C092354	09/26/08	12:54	1000	10	1	

Comments: 1)

2)

Analyst/Date SSR 10/7/08

Supervisor/Date: [signature] 11-5-08

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Method:8081,8082,608,8151, _____
Circle method used; note in comment column if additional methods referenced

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-90 Column: DB-608 Sequence: 90102008.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	WASH		C102001	10/20/08	10:29	1	1	1	
2	2	PIBLK	PIBLK	C102002	10/20/08	11:02	1	1	1	
3	3	AR1660-3	CCV	C102003	10/20/08	11:34	1	1	1	
4	4	0810116-001A	SAMP	C102004	10/20/08	12:07	1060	1	1	
5	5	0810125-001C	MBLK	C102005	10/20/08	12:39	930	1	1	
6	6	MB-8278	MBLK	C102006	10/20/08	13:33	1000	1	1	
7	7	LCS-8278	LCS	C102007	10/20/08	14:05	1000	1	1	
8	8	LCSD-8278	LCSD	C102008	10/20/08	14:37	1000	1	1	
9	9	MB-8268	MBLK	C102009	10/20/08	15:10	1000	1	1	
10	10	LCS-8268	LCS	C102010	10/20/08	15:52	1000	1	1	
11	11	LCSD-8268	LCSD	C102011	10/20/08	16:24	1000	1	1	
12	12	MB-8287	MBLK	C102012	10/20/08	16:57	1000	1	1	
13	13	LCS-8287	LCS	C102013	10/20/08	17:29	1000	1	1	
14	14	LCSD-8287	LCSD	C102014	10/20/08	18:01	1000	1	1	
15	15	MB-8255	MBLK	C102015	10/20/08	18:34	1000	10	1	
16	16	LCS-8255	LCS	C102016	10/20/08	19:06	1000	10	1	
17	17	LCSD-8255	LCSD	C102017	10/20/08	19:38	1000	10	1	
18	18	MB-8271	MBLK	C102018	10/20/08	20:11	1000	10	1	
19	19	LCS-8271	LCS	C102019	10/20/08	20:43	1000	10	1	
20	20	LCSD-8271	LCSD	C102020	10/20/08	21:16	1000	10	1	

Comments: 1)

2)

Analyst/Date SSr-10/21/08

Supervisor/Date: [illegible] 11-5-08

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Method:8081,8082,608,8151, _____
Circle method used, note in comment column if additional methods referenced

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-90 Column: DB-608 Sequence: 90102008.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
21	21	PIBLK	PIBLK	C102021	10/20/08	21:48	1	1	1	
22	22	AR1660-3	CCV	C102022	10/20/08	22:20	1	1	1	
23	23	0810128-002E	SAMP	C102023	10/20/08	22:52	850	1	1	
24	24	HEX		C102024	10/20/08	23:25	1000	1	1	
25	25	0810101-001A	SAMP	C102025	10/20/08	23:57	1010	1	1	
26	26	0810106-001A	SAMP	C102026	10/21/08	00:29	1060	1	1	
27	27	0810106-002A	SAMP	C102027	10/21/08	01:02	1060	1	1	
28	28	0810110-001B	SAMP	C102028	10/21/08	01:34	960	10	1	
29	29	0810110-002B	SAMP	C102029	10/21/08	02:06	980	10	1	
30	30	0810110-002BMS	MS	C102030	10/21/08	02:38	960	10	1	
31	31	0810110-002BMSD	MSD	C102031	10/21/08	03:11	960	10	1	
32	32	0810110-003B	SAMP	C102032	10/21/08	03:43	960	10	1	
33	33	0810110-004B	SAMP	C102033	10/21/08	04:15	960	10	1	
34	34	0810110-005B	SAMP	C102034	10/21/08	04:48	960	10	1	
35	35	HEX		C102035	10/21/08	09:18	1	1	1	
36	36	HEX		C102036	10/21/08	09:50	1	1	1	
37	37	PIBLK	PIBLK	C102037	10/21/08	10:22	1	1	1	
38	38	AR1660-3	CCV	C102038	10/21/08	10:55	1	1	1	
39	39	AR1242-3	CCV	C102039	10/21/08	11:27	1	1	1	
40	40	AR1248-3	CCV	C102040	10/21/08	11:59	1	1	1	

Comments: 1)

2)

Analyst/Date SR 10/21/08

Supervisor/Date: [illegible] 11-5-08

Method:8081,8082,608,8151, _____
Circle method used; note in comment column if additional methods referenced

Standards Log

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No.	Parent/Source Conc.(ppm)	Parent/Source Exp.Date	Prep'd By
E0079	3/1/05	3/1/06	8330 Cal Mix #1	1 ml	Cracked	1mL	1000µg/L	E0033	1000µg/L	1/08	Em
E0080	3/1/05	3/1/06	8330 Cal Mix #2	cracked	Acetonitrile	1 ml	1000µg/L	E0034	1000µg/L	1/08	Em
E0081	3/2/05	1/08	8330 Cal Mix #1	rec'd	Acetonitrile	1x1mL	1000µg/L	Restek	A032329 1000µg/L	1/08	Em
E0082	3/2/05	8/08	8330 Cal Mix #1	↓	↓	3x1mL	↓	Restek	A035220 1000µg/L	8/08	Em
E0083	3/2/05	1/08	8330 Cal Mix #1	↓	↓	1x1mL	↓	Restek	A032330 1000µg/L	1/08	Em
E0084	3/2/05	2/09	8330 cal Mix #2	rec'd	Acetonitrile	1x1mL	1000µg/L	Restek	A032328 1000µg/L	2/09	Em
E0085	3/2/05	10/09	8330 Cal Mix #2	↓	↓	4x1mL	↓	Restek	A035253 1000µg/L	10/09	Em
E0086	3/2/05	4/10	8330 Surrogate	rec'd	MeOH	2x1mL	1000µg/L	Restek	A033644 1000µg/L	4/10	Em
E0087	3/2/05	4/10	8330 Surrogate	↓	↓	3x1mL	↓	Restek	A033645 1000µg/L	4/10	Em
E0088	3/2/05	11/07	PETN	rec'd	MeOH	4x1mL	1000µg/L	Restek	A031614 1000µg/L	11/07	Em
E0089	3/2/05	11/07	PETN	↓	↓	1x1mL	↓	Restek	A031613 1000µg/L	11/07	Em
E0090	3/2/05	8/08	Nitroglycerin	rec'd	MeOH	2x1mL	1000µg/L	Restek	A034863 1000µg/L	8/08	Em
E0091	3/2/05	8/08	↓	↓	↓	3x1mL	↓	Restek	A034864 1000µg/L	8/08	Em
E0092	3/4/05	3/4/06	Tech Chlordane	24.458 g	Acetone A26B26	25mL	46,200µg/L	IE2261	neat	5/09	Em
↓	↓	↓	↓	23.303 g	↓	↓	↓	↓	↓	↓	↓
E0093	3/4/05	9/4/05	Tech Chlordane	1.155g	↓	b	↓	E0092	46,200µg/L	3/4/06	Em
E0094	3/4/05	9/4/05	Tech Chlordane	22 ul	Acetone A26B26	10mL	100µg/L	E0093	100µg/L	9/4/05	Em
~~E0095~~	~~3/9/05~~	~~9/9/05~~	~~O-terphenyl~~	200 ul	Acetone A26B26	10mL	2.0µg/L	E0094	100µg/L	9/4/05	Em
E0095	3/9/05	3/9/06	O-terphenyl	cracked	DCM	1x1ml	10,000µg/ml	E0034	10,000µg/ml	1/9/06	Em
E0096	3/9/05	9/9/06	O-terphenyl	1000µl	Acetone A26B26	50 ml	200µg/ml	E0073	10,000µg/ml	3/9/08	Em
E0097	3/10/05	9/10/05	AR 16060	500µl	Acetone A26B26	5 ml	500µg/ml	E0095	10,000µg/ml	3/9/06	Em
↓	↓	↓	↓	500µl	↓	↓	↓	E0007	5000µg/ml	12/3/05	Em
E0098	2/15/05	8/28/05	Test Sur Soln	600 uL	AT A26B26	200mL	0.6g/L	E0003	5000µg/ml	12/3/05	Em
E0099	3/21/05	7/10	Chlordane	rec'd	ment	1g	neat	E0077	200g/L	8/28/05	Em
E0100	3/29/05	~~3/29/06~~ 9/29/05	~~TCP~~ TCP	cracked	1x1mL MeOH	1mL	5000µg/L	Chem Serv	neat	7/10	Em
E0101	3/29/05	9/29/05	TCP	10 mL	A26B26/ACE	1mL	50µg/L	E2354	5000µg/L	2/07	Em
								E0100	5000µg/L	3/29/06	Em

SPREP.XLS

Supervisor review 4/8/05

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No.	Parent/Source Conc.(ppm)	Parent/Source Exp.Date	Prep'd By
E0102	3/29/05	9/29/05	TCP	50 uL	AT / A26026	25 mL	0.1 g/L	E0101	50 g/L	9/29/05	Gm
E0103	3/30/05	9/30/05	Custom Herb Mix	1.3 ml	cracked	1.3 ml	varies	E2419	varius	12/31/06	Mh
E0104	4/5/05	1/07	TCP Soln	1 mL	methanol	ccc'd	5000 g/L	Ultra	09 72284	1/09	Gm
E0105	4/11/05	10/11/05	CPC Calibration Mix	5 mL	DCM B04671	50 mL	Varies	E2410	0.2-250 g/L	5/11	Gm
E0106	4/11/05	4/31/05	n-octacosane	1000 uL	AT A26B26	50 mL	200 g/L	IC 0231	10,000 g/L	7/31/05	Gm
E0107	4/11/05	10/11/05	#2 Dew Fuel oil	cracked	DCM	1 mL	50,000 g/L	E0075	50,000 g/mL	12/31/07	Gm
E0108	4/11/05	10/11/05	#2 DRO Fuel oil	750 uL	AT A26B26	25 mL	1500 g/L	E0107	50,000 g/L	4/11/06	Gm
E0109	4/14/05	10/14/05	Pesticide Surr Soln	cracked	Acetone	8 mL	200 g/L	E2412	200 g/L	4/06	Gm
E0110	4/14/05	10/14/05	Pesticide Surr Soln	600 uL	Acetone	200 mL	0.6 g/L	E0109	200 g/L	10/14/05	Gm
E0111	4/18/05	4/12/05	TBP	62.5 uL	Acetone A26B26	1 mL	2000 g/L	IC 4304	3200 g/L	5-1/20r	Gm
E0112	4/21/05	12-05	PCB - 1016	Cracked	180-octane	1 mL	500 g/L	E0049	5000 g/L	12/05	Gm
E0113	4/27/05	12-05	PCB-1260	↓	↓	↓	↓	E0050	↓	↓	Gm
E0114	4/21/05	12/05	AR 1660	1000 uL	Acetone A26B26	10 mL	500 g/L	E0112	5000 g/L	12/05	Gm
↓	↓	↓	↓	1000 uL	↓	↓	↓	E0112	↓	↓	↓
E0115	4/25/05	10/25/05	Pesticide Surr Sol'n	cracked	Acetone	8 ml	200 ug/ml	E0274	200 ug/ml	4/30/06	Mh
E0116	4/29/05	10/29/05	o-terphenyl	1000 ul	Acetone	50 ml	200 ug/ml	E0104	10,000 ug/ml	4/07	Mh
E0116	4/29/05	10/29/05	o-terphenyl	cracked	DCM	1 x 1 ml	10,000 ug/ml	E0104	10,000 ug/ml	04/29/06	Mh
E0117	4/29/05	10/29/05	o-terphenyl	300 ul	Acetone A33E08	50 ml	200 ug/ml	E0095	10,000 ug/ml	3/9/06	Mh
E0118	5/2/05	11/2/05	Pest MS Solution	50 ul	Acetone A33E08	100 ml	0.5 ug/ml	E2999	1000 ug/ml	03/06	Mh
E0119	5-5-05	12/05	PCB - 1016	cracked	ISO octane	1 mL	5000 ppm	E2430	5000 ppm	12/05	Mh
E0120	5-5-05	12/05	PCB-1260	Cracked	ISO octane	1 mL	5000 ppm	E0050	5000 ppm	12/05	Mh
E0121	5-5-05	12/05	AR 1660 mix		Acetone	10 mL	500 ppm				Mh
			AR 1016	1000 ul	H26B26			E119	5000 ppm	12/05	
		5-5-05	AR 1260	↓			↓	E120	↓		
E0122	5-5-05	11-5-05	Pest Surr. Sol'n	Cracked	Acetone	1 mL	200 ppm	E0074	200 ppm	4/30/06	Mh
E0123	5/9/05	11/8/05	Pest Surr. Sol'n.	600 ul	Acetone	200 ml	0.6 mg/ml	E0122	200 ppm	11/5/05	Gm
E0124	5/10/05	11/10/05	Pest Surr Soln	Cracked	Acetone	200 mL	200 g/L	E0074	200 ppm	4/30/06	Gm

am 5/10/05

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E0125	5-11-05	10/29/05	o-terphenyl	1000 uL	AT #26B26	50 mL	200 µg/L	E0116	10,000 µg/L	10/29/05	Am
E0126	5-11-05	7/31/05	n-octacosane	1000 µL	AT #26026	50 mL	200 µg/L	E0231	10,000 µg/L	7-31-05	Em
E0127	5/20/05	~~11/05~~ 11/20/05	AR1660 : AR1016	160 µL	AT A33B08	10 mL	50.0 µg/mL	E0112	5000 µg/mL	12/05	
			AR1260	100 µL							
E0128		7/05	AR1221					E0113		12/05	Ac
E0129		7/05	AR1232					E2430		7/05	Ac
E0130		11/20/05	AR1242					E2431		7/05	Ac
E0131		11/20/05	AR1248					E0004		12/05	Ac
E0132		11/20/05	AR1254					E0005		12/05	Ac
E0133	5/23/05	11/23/05	Pest Surr Soln	crack	AT	1 mL	200 µg/L	E0006		12/05	Ac
E0134	5/25/05	12/31/07	Pest Surr Soln	rec'd	AT	16 x 1mL	200 µg/L	E007	200 µg/L	4/30/06	Em
E0135	5-25-05	11-25-05	Pest Surr Soln	cracked	AT	5 x 1mL	200 µg/L	CA-1970	200 µg/L	12/31/07	Em
E0136	6-1-05	11/06	AR1262	Rec'd	1ml ISO	1ml	5000 µg/mL	E0134	200 µg/L	12/31/07	Em
E0137	6-1-05	12/1/05	AR1232	opened	1ml ISO	1ml	5000 µg/mL	NS1 W/07-05-01 10/07 Jordan	W0107-05		Ac
E0138	6-1-05	12/1/05	AR1242	opened	1ml ISO	1ml	5000 µg/mL	E0136			AC
E0139			AR1232	100 µL	AT A33B08	10 mL	50.0 µg/mL	E0061			AC
E0140			AR1242					E0137	5000 µg/mL	12/05	Em
E0141	6-1-05	12-1-05	AR1248	.0015g	~~Tol~~ AT A33B08	10 mL	150 µg/L	E0138		12/05	Am
				333 µL	AT A33B08	10 mL	5.0 µg/L	E1999	neat	12/06	Em
E0142	6-1-05	12-1-05	AR1268	50 µg	AT A33B08	10 mL	5.0 µg/L	E0141	150 µg/L	11-1-05	Em
E0142	6/7/05	11/20/05	AR1660	1000 µL	AT A33B08	200 mL	0.6 ppm	E0127	50 µg/mL	11/20/05	Em
E0143	6/7/05	11/25/05	Pest Surr Soln	1 ml received	Iso-Octane	500 µL 1 mL	500 µg/mL	E0135	200 µg/mL	11/25/05	Em
E0144	6/7/05	12/05	AR1262	packed	↓	1 mL	↓	W-130-05-01	5000 ppm	12/05	Em
E0145	6/8/05	12/8/05	AR1262	10uL	Acetone	10 mL	5.0 µg/L	E0144	5000 µg/L	12/05	Am
E0146	↓	↓	↓					E0145	5000 µg/L	12/05	Am

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E0147	6/4/05	12/9/05	TBP	13.698	Acetone	10 ml	4600	E1933	neat		
				13.744	A33B08						
E0148	6/9/05	12/9/05	TBP	0.046							
E0149	6/14/05	12/14/05	DCAA	435µl	Acetone A33B08	1ml	2000	E0147	4600ppm	12/9/05	
E0150	6/15/05	11/20/05	AR1254	600µl	Aceton A33B08	25ml	120µg/ml	E2406	5000ppm	2/06	
E0151	6/15/05	12/15/05	GPC Calibration Mix	1000µl	Acetone A33B08	10 ml	5.0µg/ml	E0132	50.0 ppm	11/20/05	
E0152	6/17/05	12/17/05	Custom Herb Mix	5 ml	DCM	50 ml	varies	E2410	0.2-250 ppm	5/11/06	
E0153	6/17/05	12/17/05	TBP	1.3 ml	cracked	1.3 ml	varies	E2419	varies	12/29/05 12/31/06	
E0154	6-24-05	11-25-05	Pest Stock Soln	4350 ul	Acetone A33B08	10 mL	2000µg/ml	E0147	4600 ppm	12/9/05	
E0155	6/24/05	11/22/05	CLP Pest MS Sol'n	500ul	Acetone A33B08	5 ml	92 µg/ml	E0135	200µg/ml	11-25-05	
E0156	6/27/05	12/27/05	Pest Surr Sol'n	250µl	Acetone A33B08	25ml	.5-1.0	E0027	50-100ppm	11/22/05	
E0157	6/29/05	7/1/05	AR1221	cracked	At	3x1ml	200ppm	E0134	200 ppm	12/31/07	
E0158	6/29/05	12/29/05	Pest Surr. Sol'n	1 ml	At A33 B08	10 ml	5.0ppm	E0128	50ppm	7/05	
E0159	7-1-05	03/31/06	Pest MS Soln stock	6000µl	At A33B08	200ml	0.6 ppm	E0156	200ppm	12/27/05	
E0160	7/5/05	1/5/06	Pest MS Sol'n	opened	—	1x1ml	1000.	E2422	1000 ppm	—	
E0161	7-5-05	1-5-06	TCP stock.	50µl	At A33B08	100 ml	0.5ppm	E0159	1000ppm	3/31/06	
E0162	7/8/05	1/8/06	n-octacosane	50ul	At A33B08	25ml	50 ug/ml	E0100	5000ppm	3/29/06	
				61.809g	Ether	100 ml	200 ug/ml	E1677	neat/exp.7/05		
~~E0163~~	~~7/8/05~~	~~1/8/06~~	~~o-terphenyl~~	6.02g	CH2Cl2						
E0163	7/8/05	1/8/06	o-terphenyl	~~2000µl~~	~~At A33B08~~	~~100 ml~~	~~200µg/ml~~				
E0164	7/8/05	1/8/06	o-terphenyl	cracked	DCM	2x1ml	10,000µg/ml	E0073	10,000µg/ml	x3/08	
E0165	7/12/05	1/12/06	Pest Surr Sol'n	2000µl	At A33B08	100 ml	200ppm	E0163	10,000µg/ml	x1/8/06	
E0166	7/13/05	7/13/06	#2 DRO Fuel Oil	cracked	Acetone	8x1ml	200ppm	E0134	200ppm	12/31/07	
E0167	7/13/05	1/13/06	#2 DRO Fuel Oil	cracked	DCM	1ml	50,000ppm	E0075	50,000ppm	12/31/07	
E0168	7/17/05	12/31/07	Pest Surr. Solution	750µl	At A33B08	25ml	1600ppm	E0166	50,000ppm	7/10/06	
				Rec'd	1 @ 1mL		200µg/ml	Ultra	ISM-320	CA-1970	

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E0169	7/18/05	11/18/05	AR 1262	1 ml	AT A33B08	10 ml	0.5 ppm	E0146	5.0 ppm	12/8/05	
E0170	7/20/05	10/06	Pest MS Sol'n	5 x 1 ml rec'd	hex/toluene 1:1	5 x 1 ml	1000 ppm	E0170	1000 ppm	10/06	
E0171	7/20/05	9/07	O-terphenyl	rec'd	DCM	5x1 ml	10,000 ppm	E0171	10,000 ppm	9/07	
E0172	7/20/05	11/11	Revised GPC Cal. Mix	rec'd	DCM	5x5 ml	varies 0.2-250 ppm	E0172	varies	11/11	
E0173	7/20/05	5/07	n-octacosane	rec'd	DCM	5x 1 ml	10,000 ppm	Restek #33644	10,000	5/07	
E0175	7/22/05	12/07	PCB-1262	rec'd	ISO-OCTANE	1 ml	5000 ppm	NSI W-130-05-01		12/07	
E0176	7/22/05	12/06	PCB-1016	rec'd	ISO-OCTANE	1 ml	5000 ppm	NSI W-125-07-01		12/07	
E0176	7/25/05	12/1/05	PCB-1260	rec'd	ISO-OCTANE	1 ml	5000 ppm	NSI W-129-06-01		12/06	
~~E0177~~	~~8/1/05~~	~~2/1/06~~	~~n-octacosane~~	1 ml	AT A33B08	10 ml	0.5 ppm	E0142	5.0 ppm	12/1/05	
E0177	8/1/05	8/1/06	n-octacosane	~~1 ml~~	~~At A33B08~~	~~50 ml~~	~~200 ppm~~	~~E0173~~	~~10000 ppm~~	~~5/07~~	
E0178	8/1/05	2/1/06	n-octacosane	cracked	DCM	1 ml	10000 ppm	E0173	10,000 ppm	5/07	
E0179	8/3/05	12/1/05	AR 1232	1 ml	At A33B08	50 ml	200 ppm	E0177	10,000 ppm	8/1/06	
E0180	8/3/05	12/1/05	AR 1242	500 µl	At A33B08	10 ml	5.0 ppm	E0139	500 ppm	12/1/05	
E0181	8/3/05	11/20/05	AR 1248	500 µl	At A33B08	10 ml	5.0 ppm	E0140	50 ppm	12/1/05	
E0182	8/3/05	1/12/06	Pest Surr. Sol'n	500 µl	At A33B08	5 ml	5.0 ppm	E0131	50 ppm	11/20/05	
E0183	8/4/05	1/12/06	CLP Pest Surr. Sol'n	600 µl	At A33B08	200 ml	0.6 ppm	E0165	200 ppm	1/12/06	
E0184	8/5/05	2/5/06	Revised GPC Cal. Mix	*200 µl*	At A33B08	100 ml	0.2 ppm	E0165	200 ppm	1/12/06	
E0185	8/5/05	2/5/06	GPC Calibration Mix	5 ml	DCM	5 ml	varies	E0172	varies	11/11	
E0186	8/10/05	8/11/05	t-butyl alcohol	5 ml	DCM	50 ml	varies	E0184	varies	2/5/06	
E0187	8/11/05	8/11/06	AR 1242	.0178 g	Org. Free H_2O	10 ml	1780.	E0194	neat	8-11-05	
E0188	8/11/05	8/11/06	AR 1232	1 ml rec'd	ISO-OCTANE	1 ml	5000 ppm	W-132-11-01		12/06	
~~E0189~~	~~8/11/05~~	~~8/11/06~~	~~AR 1221~~	1 ml rec'd	ISO-OCTANE	1 ml	5000 ppm	W-107-05-01		11/06	
E0190	8/11/05	8/11/06	AR 1260	~~rec'd~~	~~Iso-Octane~~	~~2 x 1 ml~~	~~5000 ppm~~	W-126-01-01		12/0	
E0191	8/12/05	1/12/06	CLP Pest Surr. Sol'n	rec'd	Iso-Octane	1 ml	5000 ppm	W-129-06-01		12/06	
E0192	8/11/05	7/07	AR 1221	100 µl	At A26B26	100 ml	0.2 ppm	E0165	200 ppm	1/12/06	
E0193	8/17/05	11/30/05	~~Exp 8/17/06~~ etc CLP MS Spike Soln.	rec'd	Iso-octane	2 x 1 mL	5000 µg/L	W-126-07-01	NSI	7/07	
				cracked	MeOH	~~50~~ 1 mL	50-100 µg/L	E2408	50-100	11/05	

* Should be 100 µl 8-11-05

8/17/05

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E0194	8-17-05	11/30/05	GPC Cal. Verification Soln	200uL	Dcm	10mL	1.0-2.0	E0193	50-100	11/30/05	am
E0195	8-19-05	7/06	PCB-1221	opened	1ml ISO		5000ug/mL	E0192	5000ug/mL	7/06	BC
E0196	"	"	PCB-1221, 5mg/mL	10uL	AT# A33B08	10mL	5ug/mL	E0195	5000ug/mL	7/06	BC
E0197	8/26/05	12/07	AR1016 AR1260 AR16060	cracked	Iso-octane	1mL	5000ppm	E0175	5000ppm	12/07	GA
E0198	8/26/05	12/06	AR1260	cracked	Iso-Octane	1mL	5000ppm	E0174	5000ppm	12/06	GA
E0199	8/26/05	2/26/06	AR16060 : AR1016	1000ul	Acetone	10mL	500ppm	E0175	5000ppm	12/07	GA
E0200	8/26/05	2/26/06	↓ AR1260	↓	↓	↓	↓	E0174	5000ppm	12/06	↓
E0201	8/26/05 opened 8-29-05	12/05	AR16060	1000ul	Acetone	10mL	50ppm	E0199	5000ppm	2/26/06	GA
E0202	↓	8-29-06	Ar 1016	opened	Iso-octane	1mL	5000ppm	E0049	5000	12/5	
E0203	8-29-05	12/05	Ar 1260	↓	↓	1mL	5000ppm	E0176	↓	8-29-06	
↓	↓		Ar 1660 1016	100ul	Acetone	10mL	50ug/mL	E0201	5000	12/05	
E0204	8/30/05	1/12/06	↓ 1260	100ul	↓ AT# A32D08	↓	↓	E0202	↓	8/29/05	↓
E0205	9/8/05	3/8/06	Pest Surr. Sol'n	1000ul	At A26B26	200ml	0.1ppm	E01165	200ppm	1/12/06	GA
E0206	9/8/05	3/8/06	Pest Surr. Sol'n	cracked	At A26B26	8x1ml	200ppm	E01168	200ppm	12/31/07	GA
E0207	9/9/05	9-9-06	Custom Herb Mix	cracked	MeOH	1mL	varies	E2419	varies	12/31/06	GA
E0208	9/9/05	3-9-06	TCP	cracked	MeOH	1mL	5000ug/L	E0104	5000ug/mL	1/31/07	Gm
E0209	9-9-05	3-9-06	TCP	10mL	AT	10mL	5ug/mL	E0207	5000ug/mL	9-9-06	Gm
E0210	9-9-05	3-9-06	Flor Chk. soln:	200 uL	AT	10mL	1ug/mL	E208	5ug/mL	3-9-06	Gm
↓	↓	↓	INDA pest	-		10mL					
↓	↓	↓	TCP	25ul	Hex/Ace, 80/20	↓	.02-.20	P8098	8-80	3-29-06	
E0211	9-15-05	3-9-06	EI ✓ soln.	200ul	B08G45/A26B26	↓	.10	E0208	5.0	3-9-06	↓
↓	↓	↓	INDA pest		Hex	10mL					
↓	↓	↓	TCP	125ul	B08G45	↓	.01-.10	P8098	8-80	3-29-06	
E0212	9/19/05	9/19/06* 9/19/05*	#2 DRO Fuel Oil	100ul cracked 750ul*	↓ DCM	1mL	.05	E0208	5.0	3-9-06	↓
E0213	9/19/05	3/19/05	#2 DRO Fuel Oil	750ul	At A26B26	25mL	50,000ppm	E0075	50,000ppm	12/31/07	GA
E0214	9/20/05	3/20/06	GPC Calibration Mix	5mL	DCM	50mL	1500ppm	E0212	50,000ppm	9/19/06	GA
							varies	E0172	varies	11/11	GA

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E0215	9/21/05	11/30/05	GPC Cal. Verification Sol'n	200µl	DCM	10ml	1.0-2.0	E0193	50-100	11/30/05	MA
E0216	9/21/05	9/21/06	n-octacosane	cracked	DCM	1mL	10,000µl	E0193	10,000	2l 5/07	MA
E0217	9-21-05	9-21-06	n-octacosane	1mL	A37B08	50 mL	200µl	E0216	10,000µl	9-21-06	MA
E218	9-21-05	9-21-06	o-terphenyl	cracked	DCM	1mL	10,000µl	E0171	10000µl	9/07	MA
E219	9-21-05	3-21-06	o-terphenyl	1mL	A33B08	50 mL	200µl	E218	10,000µl	9/07	MA
E0220	9/28/05	3/8/06	Pest Surr. Sol'n	600µl	At A26B26	200ml	0.6ppm	E0205	200ppm	3/8/06	MA
E0221	9/28/05	1/31/07	2,4,5-Trichlorophenol	rec'd	1x1ml MMA		5016µg/ml	Ultra EPA-1162	lot#M-308X		BC
E0222	10-7-05	11-30-07	EDB/DBCP mix 80ll	comm prep.	MeOH	1mL	200/200	Ultra Num-504N	lot# CA-1757		MA
E0223	10-7-05	10-7-06	↓	↓	↓	1mL	↓	E0222			
E0224	↓	10-7-06	1,2 DCP. surr.	1000µl	MeOH ysz647	10mL	10.	P8166	100.	9-30-05	
E0225	↓	10-7-06	80ll spike EDB DBCP	17.5µl	↓	50mL	.070	E0222	200/200	10-7-05	
E0226	10/11/05	10/2006	Toxaphene	cracked	DCM	1000µl	1000ppm	E2407	1580ppm	10/07	MA
E0227	10/11/05	10/11/2006	Toxapher	50µl	At A26B26	10 ml	5ppm	E0226	1000ppm	10/06	MA
E0228	10/25/05	11/30/05	CLP MS Spike Sol'n	250µl	At	25ml	.5-1.0	E0193	50-100ppm	11/05	MA
E0229	10/27/05	7/08	Toxaphene	rec'd	MeOH	1ml	1000ppm	CA-1065	1000ppm	7/08	MA
E0230	11/14/05	4/14/06	GPC Calibration Mix	5 ml	DCM	50ml	varies	E0172	varies	11/11	MA
E0231	11/14/05	2/26/06	AR1660 5.0ppm	~~10µl~~ 100 rec'd	~~At A26B26~~	~~1.0ml~~	~~500ppm~~ 20.5	E0199	500ppm	2/26/06	MA
E0232	11/14/05	11/14/06	AR1254	cracked	150-OCTANE	1ml	5000ppm	136-11-01	5000ppm	12/06	MA
E0233	11/14/05	5/14/06	AR1254	cracked	150-octane	1ml	5000ppm	E0232	5600ppm	11/14/06	MA
E0235	11/16/05	12-26-06 12-31-06	AR1660 5.0ppm	100µl	At A26B26	10ml	50ppm	E0233	5000ppm	11/14/06	MA
E0236	11/17/05	12/31/06	Pest Surr Sol'n	100 ml	At A26 B26	10 mL	5.0ppm	E0199	500ppm	2/26/06	MW
E0237	11/28/05	11/28/06	Pest Surr Sol'n	2000µl	~~AT A26B26~~	~~50ml~~	20µg/ml	E0171	~~500µg/ml~~	12/31/05	BC
E0238	11/30/05	3/8/06	Pest Surr. Sol'n	2500µl	AT A26B26	25ml	20µg/ml	E0168	200µg/ml	12/31/07	BC
E0239	12/7/05	12/31/07	CLP Pest MS Sol'n	600µl Rec'd	AT A26B26	200ml	0.6ppm	E0205	200µg/ml	3/8/06	MA
E0240	12/7/05	3/8/06	Pest Surr. Sol'n	4x1ml	MeOH	4x1ml	50-100 rec'd	CB-2720	varies	12/31/07	MA
E0241	12/9/05	3/8/06	Pest Surr. Sol'n CLP	1ml	AT A26B26	10mL	20ppm	E0205	200ppm	3/8/06	MA
				200µl	AT A26B26	200ml	0.2ppm	E0205	200ppm	3/8/06	MA

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E0241	12/9/05	6/9/06	GLP MS Spike Solution	500µl	AT AZ16B216	50ml	.5-1.0	E0237	50-100ppm	12/31/07	
E0242	12/9/05	12/9/06	CLP MS Spike Solution	1ml	MeDH	1ml	50-100ppm	E0239	50-100ppm	12/31/07	
E0243	12/9/05	6/9/06	CLP MS Spike Solution	500µl	AT A216A216	50ml	0.5-1.0ppm	E0242	50-100ppm	12/9/06	
E0244	12/13/05	6/9/06	TBP	4350µl	AT B06B53	10ml	20000ppm	E0147	4600ppm	6/9/06	
E0245	12/14/05	2/28/06	DCAA	1ml of cracked	MeOH	1ml	5000ppm	E2406	5800ppm	2/06	
E0246	12/14/05	2/28/06	DCAA	600µl	AT B06B53	25ml	120ppm	E0245	5000ppm	2/06	
E0247	12/15/05	6/15/06	GPC Cal. Verification Sol'n	200µl	DCM	10ml	1.0-20ppm	E0242	50-100ppm	12/9/06	
E0248	12/16/05	11/30/06	PCB-1232	opened	ISO	1ml	5000µg/ml	E0188	NSI 107-05-01	11/06	BC
E0249	↓	12/16/06	PCB-1242	↓	↓	↓	↓	E0187	NSI 132-11-01	12/06	BC
E0250	↓	12/16/06	PCB-1248	↓	↓	↓	↓	E0062	NSI 108-07-01	12/06	BC
E0251	↓	6/16/06	PCB-1232, 50µg/ml	100µl	10ml AT B06B53	10ml	50µg/ml	E0248	5000µg/ml	11/30/06	BC
E0252	↓	6/16/06	PCB-1242	↓	↓	↓	↓	E0249	↓	↓	BC
E0253	↓	6/16/06	PCB 1248	↓	↓	↓	↓	E0250	↓	↓	BC
E0254	12/16/05	3/8/06	Pest Surrogate	600µl	AT B06B53	200ml	0.6ppm	E0205	200ppm	3/8/06	
E0255	12/21/05	12/19/10	Tributyl Phosphate	*5ml rec'd	neat	5ml	neat	Lot# 038026C	neat	12/19/10	
E0256	12/28/05	12/10	AR-1268	12/22/05 to rec'd	neat	1g	neat	353-132B	neat	12/10	
E0257	12/28/05	12/07	PCB-1016	rec'd	Iso-octane	1ml	5000ppm	125-07-01	5000ppm	12/07	
E0258	12/28/05	7/07	PCB-1221	rec'd	Iso-octane	1ml	5000ppm	1210-07-01	5000ppm	7/07	
E0259	12/28/05	12/06	PCB-1254	rec'd	Iso-octane	1ml	5000ppm	135-11-01	5000ppm	12/06	
E0260	12/28/05	12/06	PCB-1260	rec'd	Iso-octane	1ml	5000ppm	129-06-01	5000ppm	12/06	
E0261	1/2/06	2/26/06	AR 1660	1000µl	AT B06B53	10ml	50ppm	E0199	600ppm	2/26/06	
E0262	1/11/06	7/11/06	Pest Surr Sol'n	cracked	AT	6x1ml	200ppm	E0168	200ppm	12/31/07	
E0263	1/12/06	7/12/07*	Pest MS Sol'N	opened	—	1x1ml	1,000ppm	E0170	1000ppm	10/31/06	
E0264	1/12/06	7/12/06	PEST MS Sol'N	50µl	AT B06B53	100ml	0.5µg/ml	E0263	1000ppm	7/12/07*	
E0265	1/12/06	7/31/08	DCAA	Rec'd	MeOH	4x1ml	5000ppm	CB-1473	5000ppm	7/31/08	
E0266	1/17/06	12/31/06	Custom Herb Mix	Cracked	MeOH	1ml	varies	E2419	varies	12/31/06	
E0267	1/18/06	6/09	MCPA	Rec'd	—	1g	neat	344-283		6/09	

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E0268	1/18/06	5/08	Mecoprop (MCPP)	250mg/neat	———	250mg	neat	341-145A/neat 5/08	YB
E0269	1/26/06	12/31/07	Pest Surr. Solution	rec'd	acetone	4x/ml	200ppm	CA-1970/200ppm 12/31/07	YB
E0270	1/27/06	7/27/06	GPC Calibration Mix	5ml	DCM	50ml	varies	E0172 varies 11/11	YB
E0271	1/27/06	7/11/06	Pest Surr.	600µl	AT B060853	200ml	0.6ppm	E0262 200ppm 7/11/06	YB
E0272	2/13/06	2/13/07 8/29/06	AR 1016	CRACKED	ISO-OCTANE	1mL	5000ppm	E0257 5000ppm 12/07	YB
E0273	2/13/06	8/13/07	AR 1660 : AR 1016	1000µl	Acetone B06B53	10mL	500ppm	E0272 5000ppm 2/13/07	YB
↓	↓	↓	AR 1260	↓	↓	↓	↓	E0202 ↓ 8/29/06	↓
E0274	2/13/06	8/29/06	AR1660	1000µl	Acetone B06B53	10mL	50ppm	E0273 500ppm 8/29/06	YB
E0275	2/13/06	8/29/06	AR1660	1000µl	Acetone B06B53	10mL	5.0ppm	E0274 50ppm 8/29/06	YB
E0276	2/14/06	8/14/07	#2 DRO FUEL OIL	cracked	DCM	1mL	50,000ppm	E0275 50,000ppm 12/31/07	YB
E0277	2/14/06	8/14/06	#2 DRO FUEL OIL	750µl	AT B06B53	25mL	1500ppm	E0276 50,000ppm 2/14/07	YB
E0278	2/14/06	2/14/07	O-terphenyl	cracked	DCM	1mL	10,000ppm	E0171 10,000ppm 9/07	YB
E0279	2/14/06	8/14/06	O-terphenyl	1mL	AT B06B53	50mL	200ppm	E0278 10,000ppm 2/14/07	YB
E0280	2/14/06	2/14/07	n-Octacosane	cracked 1mL	AT B06B53	1mL	10,000ppm	E0173 10,000ppm 7/20/06	YB
E0281	2/14/06	8/14/06	n-Octacosane	1mL	AT B06B53	50mL	200ppm	E0280 10,000ppm 2/14/07	YB
E0282	2/27/06	8/27/06	AR 1016	100µl	AT B06B53	10mL	50ppm	E0272 5000ppm 2/13/07	YB
E0283	2/27/06	8/27/06	AR 1016	1000µl	AT B06B53	10mL	5ppm	E0282 50ppm 8/27/06	YB
E0284	2/27/06	8/27/06	AR 1016	1000µl	AT B06B53	10mL	0.5ppm	E0283 5ppm 8/27/06	YB
E0285	2/27/06	8/27/06	AR 1260	100µl	AT B06B53	10mL	50ppm	E0202 5000ppm 8/29/06	YB
E0286	2/27/06	8/27/06	AR 1260	1000µl	AT B06B53	10mL	5ppm	E0285 50ppm 8/27/06	YB
E0287	2/27/06	8/27/06	AR 1260	1000µl	AT B06B53	10mL	0.5ppm	E0286 5ppm 8/27/06	YB
E0288	2/27/06	12/31/06	AR 1260	1000µl	AT B06B53	10mL	0.5ppm	E0286 5ppm 8/27/06	YB
E0289		12/31/06	AR 1248	rec'd	ISO-OCTANE	1ml	5000ppm	W-129-06-01 5000ppm 12/06	YB
E0290		12/31/06	AR 1242	rec'd				W-108-07-01 5000ppm 12/06	YB
E0291	↓	11/31/06	AR 1232	↓	↓	↓	↓	W-132-11-01 5000ppm 12/06	YB
E0292	2/27/06	10/31/09	DRO Fuel Oil	rec'd	DCM	4x1ml	50,000ppm	W-107-05-01 5000ppm 11/06	YB
E0293	2/27/06	12/31/10	AR 1268	rec'd	neat	1g	neat	353-13213 neat 12/31/10	YB

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E0294	2/27/06	~~8/27/06~~ 8/24/06	AR1221	1000 µl	ATB06B53	10mL	0.5ppm	E0196	5.0ppm	7/06	YB
E0295	3/2/06	9/2/06	DCAA	CRACKED	MeOH	1mL	5000ppm	E0265	5000ppm	7/31/08	YB
E0296	3/2/06	9/2/06	DCAA	600 µl	ATB06B53	25mL	120ppm	E0295	5000ppm	9/2/06	YB
E0297	3/6/06	6/16/06	AR1232	1000 µl	ATB13B45	10mL	5ppm	E0251	50ppm	6/16/06	YB
E0298	3/6/06	6/16/06	AR1232	1000 µl	ATB13B45	10mL	0.5ppm	E0297	5ppm	6/16/06	YB
E0299	3/6/06	6/16/06	AR1242	1000 µl	ATB13B45	10mL	5ppm	E0252	50ppm	6/16/06	YB
E0300	3/6/06	6/16/06	AR1242	1000 µl	ATB13B45	10mL	0.5ppm	E0299	5ppm	6/16/06	YB
E0301	3/6/06	6/16/06	AR1248	1000 µl	ATB13B45	10mL	5ppm	E0253	50ppm	6/16/06	YB
E0302	3/6/06	6/16/06	AR1248	1000 µl	ATB13B45	10mL	0.5ppm	E0301	5ppm	6/16/06	YB
E0303	3/6/06	9/6/06	AR1254	100 µl	ATB13B45	10mL	50ppm	E0233	5000ppm	11/14/06	YB
E0304	3/6/06	9/6/06	AR1254	1000 µl	ATB13B45	10mL	5ppm	E0303	50ppm	9/6/06	YB
E0305	3/10/06	9/6/06	AR1254	1000 µl	ATB13B45	10mL	0.5ppm	E0304	5ppm	9/6/06	YB
E0306	3/8/06	3/8/07	AR1262	CRACKED	ISO-OCTANE	1mL	5000ppm	E0174	5000ppm	12/07	YB
E0307	3/8/06	9/8/06	AR1262	100 µl	ATB13B45	10mL	50ppm	E0306	5000ppm	3/8/07	YB
E0308	3/8/06	9/8/06	AR1262	1000 µl	ATB13B45	10mL	5ppm	E0307	50ppm	9/8/06	YB
E0309	3/8/06	9/8/06	AR1262	1000 µl	ATB13B45	10mL	0.5ppm	E0308	5ppm	9/8/06	YB
E0310	3/8/06	3/8/07	AR 1268	0.05g	ATB13B45	10mL	5000ppm	E0259	Neat	12/10	YB
E0311	3/8/06	9/8/06	AR1268	100 µl	ATB13B45	10mL	50ppm	E0310	5000ppm	3/8/07	YB
E0312	3/8/06	9/8/06	AR1268	1000 µl	ATB13B45	10mL	5ppm	E0311	50ppm	9/8/06	YB
E0313	3/8/06	9/8/06	AR1268	1000 µl	ATB13B45	10mL	0.5ppm	E0312	5ppm	9/8/06	YB
E0314	3/9/06	6/10/06	Pest Surr. Sol'n	1000 µl	ATB13B45	10mL	20ppm	E0262	200ppm	7/11/06	YB
E0315	3/10/06	9/10/06	GPC Calibration Mix	5mL	DCMC02E26	50mL	Varies	E0172	Varies	11/11	YB
E0316	3/22/06	07/12	GPC Calibration Mix	received	DCM	5 ml	varies	A03847	varies	07/12	YB
E0317	3/23/06	~~9/23/06~~ 9/9/06	CLP PEST SURR SOL'N.	~~1/100~~ 200 µl	ATB13B45	~~1/100~~ 2mL	0.2ppm	E0262	200ppm	7/11/06	YB
E0318	3/30/06	9/9/06	TCP 5ppm	10 µl	ATB13B45	10ml	5ppm	E0207	5000ppm	9/9/06	STR
E0319	↓	↓	TCP 0.1ppm	20µl	↓	↓	0.1ppm	E0318	5ppm	9/9/06	↓

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E0320	4/3/06	9/9/06	FLORISIL CHK SOL'N		HEX:B08E45	10					SEW
↓	↓	↓	IND A PEST MIX	12.5	↓	↓	0.01-0.1	P8206	8-80	3/29/07	↓
			TCP	100			0.05	E0318	5.0	9/9/06	
E0321	4/3/06	10/3/06	#2 DRO FUEL OIL	500ul	AT B13B45	16.5mL	1500ppm	E0276	50,000ppm	12/31/07	LB
E0322	4/3/06	10/3/06	O-TERPHENYL	300ul	AT B13B45	15mL	200ppm	E0278	10,000ppm	9/07	LB
E0323	4/3/06	10/3/06	N-OCTACOSANE	300ul	AT B13B45	15mL	200ppm	E0280	10,000ppm	5/07	LB
E0324	4/6/06	7/11/06	PEST. SURROGATE	600ul	AT B13B45	200mL	0.6ppm	E0262	200ppm	7/11/06	LB
E0325	4/10/06	4/10/07	#2 DRO FUEL OIL	CRACKED	DCM	1mL	50,000ppm	E0292	50,000ppm	10/31/09	LB
E0326	4/10/06	10/10/06	#2 DRO FUEL OIL	750ul	AT B13B45	25mL	1500ppm	E0325	50,000ppm	4/10/07	LB
E0327	4/10/06	4/10/07	O-TERPHENYL	CRACKED	DCM	1mL	10,000ppm	E0073	10,000ppm	3/08	LB
E0328	4/10/06	10/10/06	O-TERPHENYL	1mL	AT B13B45	50mL	200ppm	E0327	10,000ppm	4/10/07	LB
E0329	4/10/06	4/10/07	N-OCTACOSANE	CRACKED	DCM	1mL	10,000ppm	E0273	10,000ppm	5/07	LB
E0330	4/10/06	10/10/06	N-OCTACOSANE	1mL	AT B13B45	50mL	200ppm	E0329	10,000ppm	4/10/07	LB
E0331	4/26/06	12/31/06	CUSTOM HERB MIX	CRACKED	MeOH	1mL	VARIES	E2419	VARIES	12/31/06	LB
E0332	4/26/06	10/26/06	PEST SURR. SOL'N	CRACKED	ACETONE	1mL	200ppm	E0269	200ppm	12/31/07	LB
E0333	4/26/06	4/26/07	MCPA/MCPP		AT B13B45	10mL					LB
↓	↓	↓	-MCPA	0.107g E0267	↓	↓	10,700ppm	E0267	NEAT	6/09	↓
			-MCPP	0.107g			↓	E0268	NEAT	5/08	
E0334	5-3-06	11-3-06	PEST SURR. SOL'N	Cracked 5X	ACETONE	5ml	200ppm	E0269	200ppm	12/31/07	STW
E0335	5-9-06	12-31-07	PEST SURR. SOL'N	16X 1ml	Rec'd	—	200ppm	CA-1970	200ppm	12-31-07	STW
E0335	5-9-06	11-9-06	PEST SURR. SOL'N	Cracked 8X	ACETONE	8ml	200ppm	E0335	200ppm	12-31-07	STW
E0336	5-22-06	10-26-06	Pest Surr. Sol'n	600ul	AT: B13B45	200mL	0.6ppm	E0322	200ppm	10-26-06	STW
E0337	6-12-06	12-12-06	GPC Calibration Mix	5ml	DCM:C12H15	50ml	varies	E0316	varies	7-2012	STW
E0338	6-15-06	6-2009	O-Terphenyl	Rec'd	DCM	—	10,000ppm	A041162	10,000ppm	C-2006	STW
E0339	6-15-06	4-2013	Octacosane	Rec'd	DCM	—	10,000ppm	A043776	10,000ppm	4-2013	STW
E0340	6-16-06	11-9-06	Pest Surr. Sol'n	1000 ul	AT: B13B45	10 ml	20ppm	E0335	200ppm	11-9-06	STW
E0341	6-16-06	10-31-06	Pest MS Sol'n	~~500~~ 50ul ~~AT:B13B45~~ STW Cracked C-16-06		~~100 ml~~ 1X 1ml	~~0.5ug/ml~~ 1000 ppm & STW C-16-06	E0170	1000 ppm	10-31-06	STW

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E0342	6-16-06	10-31-06	Pest MS Sol'n	50ul	AT: B13B45	100ml	0.5ppm	E0341	1000ppm	10-31-06	STK
E0343	6-16-06	12-31-07	Pest. Surr. Soln	24 x 1ml	Acetone	Rec'd	200ppm	CA-1970	200ppm	12-31-07	STK
E0344	6/20/06	11/30/06	AR 1232, ~~500~~ 1ml 6/20/06	100µl	10ml Acetone B13B45	10ml	50ppm	E0248 ~~E0249~~ 7/13/06	5000 ppm	11/30/06	MA
E0345	↓	12/16/06	AR 1242	↓	↓	↓	↓	E0249	5000ppm	12/16/06	↓
E0346		12/30/06	AR 1248					E0250	5000ppm	12/16/06	
E0347	6-27-06	12/2007	AR 1016	Rec'd	iso-octane	2x1ml	5000ppm	125-07-01	5000ppm	12/2007	STK
E0348	7-5-06	1-5-06	Pest Surr. Sol'n	Cracked	Acetone	24ml	200ppm	E0343	200ppm	12-31-07	STK
~~E0272~~								~~7-1-06 STK~~			STK
E0349	7-5-06	4/2013	Octacosane	Cracked	DCM	1ml	10,000ppm	E0339	10,000ppm	4/2013	STK
E0350	7-5-06	1-5-07	Octacosane	1ml	AT: B13B45	50ml	200ppm	E0350	10,000ppm	4/2013	STK
E0351	7-5-06	6/2009	o-Terphenyl	Cracked	DCM	1ml	10,000ppm	E0338	10,000ppm	6/2009	STK
E0352	7-5-06	1-5-07	o-Terphenyl	1ml	AT: B13B45	50ml	200ppm	E0351	10,000ppm	6/2009	STK
E0353	7-5-06	12-31-06	Custom Herb. Mix	Cracked	MeOH	1ml	Varies	E2119	Varies	12-31-06	STK
E0355	7-6-06	1-6-07	Norpar SPK check	1.001gm	CS_2 lot 45160	10ml	100,000 ppm 10,000ppm	7-6-06	Client Supplied Sample		STK
E0356	7/13/06	12/30/07	AR 1016	50 ul	Acetone B13B45	10ml	500 ppm	E0354			
E0357	–	12/31/06	AR 1260	Cracked	iso-octane	1ml	5000ppm	E0347	5000ppm	12/31/07	MA
E0358		11/30/06	AR 1232					E02160		12/31/06	
E0359		12/31/06	AR 1242					E0291		11/30/06	
E0360		07/30/07	AR 1221					E0290		12/31/06	
E0361		12/31/06	AR 1248					E0258		7/30/07	
E0362	↓	12/31/06	AR 1254	↓	↓	↓	↓	E0289		12/31/06	
E0363	7/13/06	~~7/13/07~~ 12/31/06	AR 1016D ~~AR 1016~~ 7/13/06					E0259		12/31/06	
~~E0364~~ 7/13/06		12/31/06	AR 1016	100µl	10ml Acetone B13B45	10ml	50ppm				
↓	↓	↓	AR1260	100µl				E0356	5000ppm	12/31/07	MA
E0364		11/30/06	AR 1232	100µl				E0357		12/31/06	
E0365	↓	12/31/06	AR 1242	100µl	↓	↓	↓	E0358		11/30/06	
								E0359		12/31/06	↓

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E0366	7/13/06	~~7/13/07~~ 12/13/07	AR1221	100 µl	* Acetone * B12B45	10 ml	50 ppm	E0360	5000 ppm	7/31/07	MA
E0367		12/31/06	AR1248					E0361		12/31/06	
E0368		12/31/06	AR1254					E0362		12/31/06	
E0369	7-19-06	12-31-06	AR 1242	100 ul	AT: B13B45	10 ml	.5 ppm	E0365	50 ppm	12-31-06	STK
E0371	7-19-06	12-16-06	AR 1248	100 ul	AT: B13B45	10 ml	.5 ppm	E0364	50 ppm	12-31-06	STK
E0372	7-21-06	11-08	AR 1232	100 ul	AT: B13 B45	10 ml	.5 ppm	E0346	50 ppm	12-16-06	STK
E0373	7-21-06	12-08	AR 1242	Rec'd	Iso-octane	1 ml	5000 ppm	NS1/107-08-01	5000 ppm	11-08	STK
E0374	7-21-06	12-08	AR 1248	Rec'd		1 ml	5000 ppm	NS1/132-11-01	5000 ppm	12-08	STK
E0375	7-21-06	12-07	AR 1016	Rec'd		1 ml	5001 ppm	NS1/108-07-01	5001 ppm	12-08	STK
E0376	7-21-06	12-08	AR 1254	Rec'd		1 ml	5001 ppm	NS1/125-07-01	5001 ppm	12-07	STK
E0377	7-21-06	12-08	AR 1260	Rec'd		1 ml	5000 ppm	NS1/135-11-01	5000 ppm	12/08	STK
E0378	7-21-06	07-07	AR 1221	Rec'd		1 ml	5010 ppm	NS1/129-06-01	5010 ppm	12-08	STK
E0379	~~7~~-24-06	1-~~24~~-07	Test. Surr. Soln	600 ul	AT: B13 B45	200 ml	0.6 ppm	NS1/126-07-01	5000 ppm	~~7-07~~ 7-08	STK
E0380	7-24-06	1-5-07	CLP Pest Surr. Sol'n	100 ul	AT: B13 B45	100 ml	0.2 ppm	E0348 / 200 ppm	/	1-5-07	STK
E0380	7-24-06	~~12-09-06~~ 12-09-07	CLP MS (Pest) Spike Soln	500 ul	AT: B13B45	50 ml	.5-1.0 ppm	E0348 / 200 ppm	/	1-5-07	STK
E0381	8-4-06	2-4-07	AR1660		AT: B13 B45	10 ml	500 ppm	E0242 / 50-100 ppm	/	12-9-06	STK
			-AR1016	1000 ul							STK
			-AR1260					E0347 / 5001 ppm / 12/07			
E0381	8-4-06	2-4-07	AR 1660		AT: B13B45	5 ml	500 ppm	E0288 / 5010 ppm / 12/06			STK
			-AR 1016	500 ul							
			-AR 1260					E0347 / 5001 ppm / 12/07			
E0382	8-4-06	12-31-06	AR1660	1000 ul	AT: B13B45	10 ml	5 ppm	E0288 / 5010 ppm / 12/06			STK
E0383	8/10/06	~~8/10/07~~ 10/31/06	Pest M.S. Sol'n Stock	1000 µl	~~MeOH CB-2720~~ HX/TL CA-1632	—	1000	E0363 / 50 ppm	/	12-31-06	STK
E0384	8/10/06	8/10/07	TOXAPHENE STOCK	1000 µl	MeOH CA-1065	—	1000	E0170 / 1000	/	10/31/06	STK
E0385	8-21-06	12-31-08	1/20 Custom Herb Mix	50.0 ul	MeOH: B31E63	1 ml	Varies	E0229 / 1000	/	8/31/08	STK
								E0353 / 1/20 x	Varies	12-31-08	STK

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E0396	9-21-06	9-2-06	DCAA	500 ul	AT: B13B45	10 ml	6 ppm	E0296 / 120ppm / 9-2-06	STW
E0387	8-23-06	12/07	AR 1016	~~1 ml~~ recd	iso-octane	1 ml	500 ppm	N51 125-07-01 / 500ppm / 12/07	STW
E0388	8-23-06	12/08	AR 1260	rec'd	iso-octane	1 ml	5010 ppm	N51 129-06-01 / 5010ppm / 12/08	STW
E0389	8-24-06	2/29/08	Pest MS Solh	rec'd	hexane/toluene 1:1	4 ml	1000 ppm	Ultra CC-0029 / 1000ppm / 2-29-07	STW
E0390	9/5/06	9/5/07	DCAA	cracked	MeOH	1 ml	5000 ppm	E0205 / 5000ppm / 7/31/08	HA
E0391	9/5/06	3/5/07	DCAA	600 ul	AT B13B45	25 ml	120 ppm	E0391 / 5000ppm / 9/5/07	HA
E0392	9-21-06	3-21-07	Pest Surr. Soln	cracked	Acetone	8 ml	200ppm	E0335 / 200ppm / 12-31-07	STW
E0393	9-21-06	3-21-07	Pest Surr. Sol'n	600 ul	AT: B13B45	200 ml	0.6ppm	E0392 / 200ppm / 3-21-07	STW
~~E0394~~	~~9-21-06~~	~~07/07~~							
E0394	9-21-06	9-21-07	O-Terphenyl	cracked	DCM	1 ml	10,000ppm	E0338 / 10,000ppm / 6-09	STW
E0395	9-21-06	9-21-07	O-Terphenyl	1 ml	AT: B13B45	50 ml	200 ppm	E0394 / 10,000ppm / 9-21-07	STW
E0396	9-21-06	9-21-07	N-octacosane	cracked	DCM	1 ml	10,000ppm	E0339 / 10,000ppm / 4-13	STW
E0397	9-21-06	3-21-07	N-octacosane	1 ml	AT: B13B45	50 ml	200 ppm	E0396 / 10,000ppm / 9-21-07	STW
E0398	10-2-06	5-31-09	Pest Surr.	rec'd	Acetone	24 ml	200ppm	Ultra CC-1164 / 200ppm / 5-31-09	STW
E0399	10-5-06	10-5-07	#2 DRO Fuel Oil	cracked	DCM	1 ml	50,000ppm	E0292 / 50,000ppm / 10-31-07	STW
E0400	10-5-06	10-5-07	#2 DRO Fuel Oil	750 ul	AT: B13B45	25 ml	1,500 ppm	E0399 / 50,000ppm / 10-5-07	STW
E0401	10-20-06	8/12	GPC Calibration Mix	~~recd 25 ml~~	DCM	25 ml	varies	A038365 / varies / 8-12	STW
E0402	10/21/06	10/21/07	CLP Pest MS Soln	Cracked	MeOH	1 ml	50-100 ppm	E0239 / 50-100ppm / 12/07	AW
E0403	10/21/06	4/21/07	CLP Pest MS Soln	100 ul	AT B13B45	10 ml	.5-1.0 ppm	E0402 / 50-100ppm / 10/21/07	AW
E0404	10/23/06	4/23/07	GPC Calibration Mix	5 ml	DCM	50 ml	varies	E0401 0.2-250 ppm 8/12	HA
E0404a	11-2-06	3-21-07	Pest Surr. Sol'n	600 ul	AT: B13B45	200 ml	0.6ppm	E0392 / 200ppm / 3-21-07	STW
E0405	11-2-06	11-2-07	Pest MS Sol'n	cracked	Hexane/Toluene	1 ml	1000ppm	E0389 / 1000ppm / 2-29-08	STW
E0406	11-2-06	4-2-07	Pest MS Sol'n	50 ul	AT: B33B11	100 ml	0.5ppm	E0405 / 1000ppm / 11-2-07	STW
E0407	11/27/06	3/21/07	Pest Surr. Sol'n	600 ul	At: B33B11	200 ml	0.6ppm	E0392 / 200ppm 3/21/07	HA
E0408	11/27/06	3.21.07	Pest. Surr. Sol'n.	1000 ul	At: B33B11	10 ml	20.0 ppm	E0392 / 200ppm 3.21.07	HA
									STW

STW 5-20-08 R

GC Semi-Volatile Extraction Standard Prep Log

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E0409	11-28-06	5-28-07	AR 1660		AT: B33B11	10 ml	500 ppm				STL
↓	↓	↓	-AR 1016	1000 ul	↓	↓	↓	E0375	500 ppm	12/07	STL
↓	↓	↓	-AR 1260	1000 ul	↓	↓	↓	E0377	5010 ppm	12/08	STL
E0410	11-28-06	5-28-07	AR 1660		AT: B33B11	5 ml	500 ppm				STL
↓	↓	↓	-AR 1016	500 ul	AT: B33B11	5 ml	500 ppm	E0375	500 ppm	12-07	STL
			-AR 1260	500 ul	↓	↓	↓	E0377	5010 ppm	12 08	
											STL
E0411	11-28-06	5-28-07	AR 1660	1000 ul	AT: B33B11	10 ml	50 ppm	E0410	500 ppm	5-28-07	STL
E0412	11-28-06	5-28-07	AR 1660	1000 ul	AT: B33B11	10 ml	5.0 ppm	E0411	50 ppm	5-28-07	STL
E0413	11-29-06	5-29-07	Pest Surr. Soln	cracked	Acetone	8 ml	200 ppm	E0398	200 ppm	5-31-09	STL
E0414	11-30-06	11-30-07	o-terphenyl	cracked	DCM	1 ml	10,000 ppm	E0338	10,000 ppm	06-09	STL
E0415	11-30-06	11-30-07	o-terphenyl	1 ml	AT-B33B11	50 ml	200 ppm	E0414	10,000 ppm	11-30-07	STL
E0416	11-30-06	11-30-07	n-octacosane	cracked.	DCM	1 ml	10,000 ppm	E0339	10,000 ppm	11-30-07	STL
E0417	11-30-06	11-30-07	n-octacosane	1 ml	AT-B33B11	50 ml	200 ppm	E0416	10,000 ppm	11-30-07	STL
E0418	11-30-06	1-31-07	2,4,6 trichlorophenol	1 ml	MeOH	opened.	5000. ppm	G0221	5000 ppm.	1-31-07	mcy
E0419	11-30-06	1-31-07	↓ ↓	10 ul	10 ml AT-B33B11 Ace.	10 mL.	5.0 ppm.	E0418	5000 ppm	1-31-07	mcy
E0420	12-4-06	8-12	GPC Calibration Mix	recld	DCM	25 ml	Varies	A038365	Varies	8-12	STL
E0421	12-8-06	5-4-07	GPC Calibration Mix	10 ml	DCM	100 ml	Varies	E0401	Varies	8-12	STL
E0422	12/15/06	5/29/07	Pest Surr. Soln	600 ul	AT B33B11	200 ml	0.6 ppm	E0413	200 ppm	5/29/07	STL
E0423	12-15-06	9-07	O-Terphenyl	2 ml	AT: B33B11	100 ml	200 ppm	E0171	10,000 ppm	9-07	STL
E0424	12-15-06	12-15-06	N-octacosane	2 ml	AT: B33B11	100 ml	200 ppm	E0339	10,000 ppm	4-13	STL
E0425	12-18-06	10-31-09 (12-18-07)	#2 DRO Fuel Oil	3,000 ul	AT: B33B11	100 ml	1,500 ppm	E0292	50,000 ppm	10-31-09	STL
E0426	12-21-06	10-31-09	#2 DRO Fuel Oil	recld	DCM	4 ml	50,000 ppm	ultra CR-205	50,000 ppm	10-31-09	STL
E0427	12-21-06	2-10	O-Terphenyl	recld	DCM	6 ml	10,000 ppm	restek A024656	10,000 ppm	2-10	STL
E0428	12-21-06	4-13	n-Octacosane	recld	DCM	6 ml	10,000 ppm	restek A043776	10,000 ppm	4-13	STL
E0429	12-22-06	12-22-07	oTerphenyl	2 ml	AT: B33B11	100 ml	200 ppm	E0427	10,000 ppm	2-10	STL
E0430	12-22-06	12-22-07	n-Octacosane	2 ml	AT: B33B11	100 ml	200 ppm	E0428	10,000 ppm	4-13	STL

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E0431	12-26-06	5-29-07	Pest Surr. Sol'n	60ul	AT: B338II	200ml	0.6ppm	E0413/200ppm/5-29-07	STL
E0432	1-4-07	7-4-07	Toxaphene	250ul	AT: B338II	5ml	50ppm	E0384/1000ppm/8-10-07	STL
E0433	1-5-07	~~5-5-07~~ 5-5-08	Pest MS Sol'n.	50ul	AT: B338II	100ml	0.5ppm	E0405/1000ppm/2-28-08	
E0434	1-9-07	~~1-9-08~~ 7-9-07	5-Terphenyl	2000	AT: B338II	100ml	200	E0427/10,000/2-2010	
E0435	1-9-07	~~1-9-08~~ 7-9-07	n-Octatocosane	2000	AT: B338II	100ml	200	E0428/10,000/4-2013	
	1-10-07								
E0436	1-12-07	10-31-09	Toxaphene	rec'd	Methanol	1ml	1000	Ultra CB-2186/1000/10-31-09	STL
E0437	1-12-07	9-30-08	Pest MS Sol'n	rec'd	hexane/toluene	8ml	1000	Ultra CC-2563/1000/9-30-08	STL
E0438	1-12-07	5-31-09	Pest Surr. Sol'n	rec'd	acetone	12ml	200	Ultra CC-1164/200/5-31-09	STL
E0439	1-17-07	12-07	AR 1016	rec'd	iso-octane	4ml	5001	NSI 125-07-01/5001/12-07	STL
E0440	1-17-07	12-08	AR ~~1016~~ 1260	rec'd	iso-octane	4ml	5010	NSI 129-06-01/5010/12-08	STL
E0441	1-18-07	1-18-10	Tributyl phosphate	rec'd	neat	5ml	neat	Aldrich 03802CC/neat/1-18-10	STL
E0442	1-22-07	~~5-31-09~~ 1-22-08	Pesticide Surrogate Sol'n.	Cracked 1800 ul	Acetone ~~CC-1164~~	8ml	200	Ultra CC-1164/200/5-31-09	
E0443	1-22-07	~~5-31-09~~ 7-22-07	Pesticide Surrogate Sol'n.	600 ul	AT: C338 1-22-08	200 ml	0.6ppm	E0442/200/5-31-09	
E0444	1-22-07	2-09	Custom Herb. Mix	rec'd	methanol/ C38468	10ml	Varies	Ultra /Varies/2-09	STL
E0445	1/26/07	7/26/07	Pest GPC Verif. Sol'n	200ul	DCM	10ml	1-2ppm	E0402/50-100ppm/10/21/07	
E0446	2/18/07	8/18/07	Custom Herb Mix	cracked	methanol/	1 ml	varies	E0444/Varies/2-09	
E0447	2/21/07	8/21/07	GPC Calibration Mix	~~5 mg~~ ~~10 ml~~ 2 ml	DCM C38468	50ml	varies	E0420/varies/8/12	
E0448	2-27-07	~~12-30-07~~	AR 1016	100 ppm ul	AT: C33B11	10ml	50ppm	E0387/5000/12/07	STL
E0449	2-27-07	8-27-07	AR 1016	100 ppm ul	AT: C33B11	10ml	.5ppm	E0448/50ppm/12/20/07	STL
E0450	2-27-07	~~7-30-07~~	AR 1221	100 ppm ul	AT: C33B11	10ml	50ppm	E0378/5000ppm/7-07	STL
E0451	2-27-07	7-30-07	AR 1221	100 ppm ul	AT: C33B11	10ml	.5ppm	E0450/50ppm/7-30-07	STL
E0452	2-27-07	2-27-08	AR 1232	100 ppm ul	AT: C33B11	10ml	50ppm	E0372/5000ppm/11-08	STL
E0453	2-27-07	8-27-07	AR 1232	100 ul	AT: C33B11	10ml	.5ppm	E0452/50ppm/2-27-08	STL
E0454	2-27-07	2-27-08	AR 1242	100 ul	AT: C33B11	10ml	50ppm	E0373/5000 ppm/12-08	EJS
E0455	2-27-07	8-27-07	AR 1242	100 ul	AT: C33B11	10ml	.5ppm	E0454/50ppm/2-27-08	EJS
E0456	2-27-07	2-27-08	AR 1248	100 ul	AT: C33B11	10ml	50ppm	E0374/5000ppm/12-08	EJS

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E0457	2-27-07	8-27-07	AR 1248	100 ul	AT:C33B11	10ml	.5ppm	E045C / 50ppm / 2-27-08	EJS
E0458	2-27-07	*2-27-08	AR 1254	100 ul	AT:C33B11	10ml	50ppm	E0376 / 5000 / 12-08	STW
E0459	2-27-07	8-27-07	AR 1254	100 ul	AT:C33B11	10ml	.5ppm	E0458 / 50ppm / 2-27-08	STW
E0460	2-27-07	2-27-08	AR 1260	100 ul	AT:C33B11	10ml	50ppm	E0388 / 5000ppm / 12-08	EJS
E0461	2-27-07	8-27-07	AR 1260	100 ul	AT:C33B11	10ml	.5ppm	E0460 / 50ppm / 2-27-08	EJS
E0462	2-27-07	3-8-07	AR 1262	100 ul	AT:C33B11	10ml	50ppm	E0306 / 5000ppm / 3-8-07	STW
E0463	2-27-07	3-8-07	AR 1262	100 ul	AT:C33B11	10ml	.5ppm	E0462 / 50 ppm / 3-8-07	STW
E0464	2-27-07	2-27-08	AR 1268	43.221	AT:C33B11	10ml	6,800	E0256 / 1268* neat / 12-10	STW
↓	↓	↓	↓	43.163	↓	↓	↓	↓	↓
				.058					
E0465	2-27-07	2-27-08	AR 1268	74 ul	AT:C33B11	10ml	50ppm	E0464 / 6800 ppm / 2-27-08	STW
E0466	2-27-07	8-27-07	AR 1268	100 ul	AT:C33B11	10ml	.5*ppm	E0465 / 50ppm / 8-27-07	STW
E0467	2-28-07	7-4-07	Toxaphene	1000 ul	AT:C33B11	10ml	5 ppm	E0432 / 50ppm / 7-4-07	STW
E0468	3/1/07	9/1/07	Custom Herb mix	Cracked	methanol	1ml	varies	E0444 / varies / 2/28/09	MA
E0469	3/1/07	9/1/07	5% Cust. Herb Mix	10 mg/5ml	MeOH C09E28	10 ml	varies	E469 / varies / 9/1/07	MA
E0470	3/1/07	3/5/07	DCAA - 6 ppm	500 ul	At C33B11	10ml	6 ppm	E0391 / 120ppm / 3/5/07	MA
E0471	3-7-07	7-09	AR 1221	rec'd	iso-octane	1 ml	5000 ppm	NSI 126-07-01 / 5000ppm / 7-09	STW
E0472	3-7-07	11-08	AR 1232	rec'd	iso-octane	1 ml	5000 ppm	NSI 107-08-01 / 5000ppm / 11-08	STW
E0473	3-7-07	12-08	AR 1242	rec'd	iso-octane	1 ml	5000 ppm	NSI 132-11-01 / 5000ppm / 12-08	EJS
E0474	3-7-07	12-08	AR 1248	rec'd	iso-octane	1 ml	5001 ppm	NSI 108-07-01 / 5001 ppm / 12-08	EJS
E0475	3-7-07	12-08	AR 1254	rec'd	iso-octane	1 ml	5000 ppm	NSI 135-11-01 / 5000 ppm / 12-08	EJS
E0476	3-7-07	11-08	AR 1262	rec'd	iso-octane	1 ml	1000 ppm	Chem-Serv 372-99A / 1000 ppm / 11-08	EJS
E0477	3-13-07	9-5-07	DCAA	600 ul	AT:C41B24	25ml	120ppm	E0390 / 5000ppm / 9-5-07	STW
E0478	3-13-07	9-13-07	Pesticide Surrogate Sol'n	600 ul	AT:C41B24	200ml	0.6ppm	E0442 / 200ppm / 1-22-08	STW
E0479	3-19-07	4-19-07	6 PC Calibration Mix	10ml	DCM:C45467	100ml	varies	E0401 / Varios / 8-12	STW
E0480	4-3-07	10-3-07	Pesticide Surrogate Sol'n	600 ul	AT: C41B24	200 mL	0.6 ppm	E0442 / 200ppm / 1-22-08	
E0481	4-3-07	10-3-07	Pest MS Sol'n	50 ul	AT: C41B24	100 mL	0.5 ppm	E0405 / 1000 ppm / 2-28-08	

* STW 2-27-07

* STW 2-27-07

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E0482	4-13-07	10-13-07	CLP Pest MS Sol'n	250 ul	AT: C41B24	25 ml	.5-1.0	E0239 / 50:100 12-31-07	[illegible]
~~E0483~~	~~4/18/07~~	~~4/18/08~~	~~Aroclor 1016 Sol'n~~	~~[illegible]~~	~~Isooctane~~	~~1 ml~~	~~1000~~	~~E0476 1000 11/08~~	[illegible]
E0484	4-19-07	4-19-08	8 Pest. Surr. Sol'n	cracked	Acetone	8 ml	200 ppm	E0398 / 200 ppm / 5-31-09	STk
E0485	4/23/07	10/23/07	Pest Surr. Sol'n	1000 ul	At: C41B24	10 ml	20 ppm	E0484 / 200 ppm / 4/19/08	MS
E0486	4-24-07	10-13	n-octacosane	rec'd	DCM	6 ml	10,000 ppm	A04739 / 10,000 ppm / 10-13 Restek	STk
E0487	4-24-07	2-10	o-Terphenyl	rec'd	DCM	4 ml	10,000 ppm	A04656 / 10,000 ppm / 2:10	STk
E0488	4-25-07	5-28-07	AR 1660	1000 ul	At: C41B24	10 ml	50 ppm	A0409 / 500 ppm / 5-28-07	[illegible]
E0489	4-30-07	10-30-07	AR 1660		AT: C41B24	10 ml	500 ppm		STk
↓	↓	↓	AR 1016	1000 ul	↓	↓	↓	E0439 / 500 ppm / 12-07	STk
↓	↓	↓	AR 1260	1000 ul	↓	↓	↓	E0440 / 5010 ppm / 12-08	STk
E0490	4-30-07	10-30-07	AR 1660		AT: C41B24	~~10~~ 5 ml	500 ppm		
↓	↓	↓	AR 1016	~~1000~~ 500 ul *	↓ STK 4-30-07	↓ STK 4-30-07	↓	E0439 / 500 ppm / 12-07	STk
↓	↓	↓	AR 1260	~~1000~~ 500 ul	↓	↓	↓	E0440 / 5010 ppm / 12-08	STk
E0491	4-30-07	10-30-07	AR 1660	1000 ul	AT: C41B24	10 ml	50 ppm	E0490 / 500 ppm / 10-30-07	STk
E0492	4-30-07	10-30-07	AR 1660	1000 ul	AT: C41B24	10 ml	50 ppm	E0491 / 50 ppm / 10-30-07	STk
E0493	5-15-07	5-15-08	MCPA	9.463	AT: C41B24	10 ml	10,900	E0267 / neat / 6-09	STk
↓	↓	↓	↓	9.354	↓	↓	↓	↓ ↓ ↓	↓
↓	↓	↓	↓	.109	↓	↓	↓	↓ ↓ ↓	↓
E0494	5-15-07	5-08	MCPP	9.438	AT: C41B24	10 ml	9,200	E0268 / neat / 5-08	STk
↓	↓	↓	↓	9.346	↓	↓	↓	↓ ↓ ↓	
↓	↓	↓	↓	.092	↓	↓	↓	↓ ↓ ↓	
E0495	5-15-07	11-15-07	Cust. Herb. Mix	cracked	Methanol	1 ml	Varies	E0444 / Varies / 2-28-09	STk
E0496	5-17-07	11-17-07	AR 1262	500 ul	AT: C41B24	10 ml	50 ppm	E0498 / 1000 ppm / 5-17-08 ~~11-17-08~~	STk
E0497	5-17-07	5-17-08	AR 1262	Cracked	Isooctane	1 ml	1000 ppm	E0471 / 1000 ppm / 11-05	STk
E0498	5-24-07	11-24-07	Pest. Surr. Sol'n	600 ul	AT: C41B24	200 ml	0.6 ppm	E0484 / 200 ppm / 4-19-08	STk
E0499	5-24-07	5-24-08	Pest Surr. Sol'n	Cracked	Acetone	6 ml	200 ppm	E0438 / 200 ppm / 5-31-09	STk
E0500	6-18-07	6-18-08	GPC Calibration Mix	10 ml	DCM: C45467	100 ml	Varies	E0420 / Varies / 8-12	STk

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E0501	6-19-07	~~6-19-08~~ 2-29-08 R STW 6-19-07	Pest MS Sol'n	Cracked	Hexane/ Toluene	1ml	1000ppm	E0389/1000ppm/2-29-08	STW
									STW
E0502	6-19-07	12-19-07	Pest MS Sol'n	50ul	AT:C41B24	100mL	0.5ppm	E0501/1000ppm/2-29-08	STW
E0503	7-3-07	5-31-09	Pest Sur. Sol'n	rec'd	Acetone	24ml	200ppm	CC-1164/200ppm/5-31-07	STW
E0504	7-3-07	7-14	GPC Cal. Mix	rec'd	DCM	25ml	Varies	AO5988/Varies/7-14	STW
E0505	7-6-07	1-6-08	Pest Surr. Sol'n	600ul	AT:C33B08	200mL	0.6ppm	E0499/200ppm/5-24-08	STW
E0506	7/12/07	9/5/07	DCAA 6 ppm	500ul	At:C33B08	10ml	6.0ppm	E0477/120ppm/9/5-07	
E0507	7/18/07	1/18/08	n-octacosane	2000 ul	AT: C33B08	100mL	200	E0428/10000 ppm/4/13	
E0508	7/18/07	1/18/08	O-terphenyl	2000ul	AT:C33B08	100 mL	200	E0338/10000 ppm/6/09	
E0509	8/1/07	2/1/08	Toxaphene	50 ul	AT: C33B08	10 mL	5 ppm	E0436/1000 ppm/10-31-09	
E0510	8/7/07	2/7/08	CLP Pest Surr.	200ul	AT:C33B08	100ml	0.2ppm	E0499/200ppm/5-24-08	
E0511	8/8/07	11/30/10	Toxaphene Solution	rec'd	methanol	2 mL	1000 ppm	CC-3273/1000 ppm/11/30/10	
E512	9/18/07	9/18/08	Pest Surr. Sol'n Stock	Cracked	AT	1ml	200	E438/200/5/31/09	STW
E513	9/18/07	3/18/08	Pest Surr. Sol'n	600ul	AT:C41B24	200mL	0.6	E512/200/9/18/08	STW
E514	9/21/07	9/21/08	Pest Surr Sol'n	Cracked	Acetone	5 ml	200 ppm	E438/200/5/31/2009	
E515	9/24/07	9/24/08	Pest Surr. Sol'n	Cracked	Acetone	8 ml	200 ppm	E0503/200 ppm/5-31-2007	
E516	9/24/07	2/29/08	Pst MS Solu.	50 ul	Acetone	100mL	0.5 ppm	E0501/1000ppm/2/29/08	
E517	9/27/07	7/31/08	DCAA	Cracked	Methanol	1 ml	5000 ppm	E0268/5000 ppm/7-31-08	
E518	9/27/07	3/27/08	DCAA	600 ul	AT: C44B32	25 ml	120 ppm	E517/5000 ppm/7-31-08	
E519	9/27/07	9/27/08	Pest Surr Sol'n	Cracked	Acetone	8 ml	200 ppm	E0503/200 ppm/05-31-09	
E520	9/29/07	3/29/08	GPC Calibration Mix	5 ml	DCM: E20405	50 ml	Varies	E0420/Varies/8/12	
E521	10/1/07	5/09	Pest. Surr. Std. Spk. Solu.	Rec'd	Acetone	28x1ml	200 ug/ml	ultra Sci. CC-1164/200 ug/ml/5/09	
E522	10/23/07	4/23/08	Pest Surr. Solu.	1000ul	AT: C44B32	10 mL	20 ppm	E0499/200ug/mL/5-24-08	
E523	10/25/07	4/25/08	n-octacosane	2000 ul	AT: C44B32	100 mL	200 ppm	E0486/10000 ppm/10/13	
E524	10/29/07	12/31/07	AR 1660		AT: C44B32	10 ml	500ppm		
↓	↓	↓	AR 1016	1000 ul	↓	↓	↓	E0439/5001 ppm/12-07	↓
			AR 1260	1000 ul				E0440/5010 ppm/12-08	

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No. Conc.(ppm) Exp.Date	Prep'd By
E525	10/29/07	10/29/08	Pest Surr Soln	cracked	Acetone	8 mL	200 ppm	E0503 / 200 ppm / 5-31-2009	KD
E526	10/29/07	4/29/08	Pest Surr Soln	600 µl	AT: C44B32	200 mL	0.6	E525 / 200 ppm / 10-29-08	KD
E527	10/31/07	12/31/07	AR 1660	1000 µl	AT: C44B32	10 mL	50 ppm	E524 / 500 ppm / 12-31-07	KD
E528	10/31/07	12/31/07	AR 1660	1000 µl	AT: C44B32	10 mL	5.0 ppm	E527 / 50 ppm / 12-31-07	KD
E529	11/5/07	5/5/08	GPC Calibration Mix	5 mL	Dcm: E30400	50 mL	Varies	E0504 / varies / 7-14	KD
E530	11/13/07	5/13/09	Toxaphene	500 µl	AT: C44B32	10 mL	50 ppm	E0511 (E0384) / 1000 ppm / 11-30-10	KD
E531	11/13/07	11/13/08	Toxaphene	Cracked	methanol	—	1000 ppm	E0511 / 1000 ppm / 11-30-10	KD
E532	11/14/07	12/09	AR 1016	received	iso-octane	4 mL	5001 ppm	NIST 125-07-01 / 5001 ppm / 12/09	KD
E533	11/14/07	12/08	AR 1260	received	iso-octane	2 mL	5010 ppm	NIST 129-06-01 / 5010 ppm / 12/08	KD
E534	11/15/07	5/15/08	GPC Calibration Mix	10 ml	Dcm: E30400	100 mL	Varies	E0504 / Varies / 7/14	KD
E535	11/19/07	5/19/08	O-Terphenyl	2000 ml	AT: C33808	100 mL	200	E0427 / 10,000 ppm / 2/10	LC
E536	11/20/07	11/20/08	Pest Surr Soln	cracked	Acetone	7 mL	200 ppm	E521 / 200 ppm / 5-31-09	KD
E537	11/21/07	5/21/08	Custom Herb Mix	cracked	methanol	1 mL	Varies	E0444 / Varies / 2-28-09	KD
E538	11/30/07	5/30/08	Pest Surr. Soln	600 µl	AT: C44B32	200 mL	0.6	E536 / 200 ppm / 11-20-08	KD
E539	12/10/07	6/10/08	GPC Calibration Mix	5 mL	Dcm: E35404	50 mL	Varies	E0504 / Varies / 7-14	KD
E540	12/26/07	12/26/08	#2 DRO Fuel Oil	3000 µl	AT: C44B32	100 mL	1500 ppm	E0426 / 50,000 ppm / 10-31-09	KD
E541	1/2/08	7/2/08	AR 1660		AT: C44A32	10 mL	500 ppm		KD
↓	↓	↓	AR 1016	1000 µl	↓	↓	↓	E532 / 5008 ppm / 12-09	↓
↓	↓	↓	AR 1260	1000 µl	↓	↓	↓	E440 / 5010 ppm / 12-08	↓
E542	1/2/08	7/2/08	AR 1660	1000 µl	AT: C44B32	10 mL	50 ppm	E541 / 500 ppm / 7-2-08	KD
E543	1/2/08	7/2/08	AR 1660	1000 µl	AT: C44B32	10 mL	5.0 ppm	E542 / 50 ppm / 7-2-08	KD
E544	1/2/08	7/2/08	Pest Surr. Soln	600 µl	AT: C44B32	200 mL	0.6 ppm	E536 / 200 ppm / 11-20-08	KD

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No. Conc.(ppm) Exp.Date	Prep'd By
E525	10/29/07	10/29/08	Pest Surr Sol'n	cracked	Acetone	8 mL	200 ppm	E0503 / 200 ppm / 5-31-2009	
E526	10/29/07	4/29/08	Pest Surr Sol'n	600 µl	AT: C44B32	200 mL	0.6	E525 / 200 ppm / 10-29-08	
E527	10/31/07	12/31/07	AR 1660	1000 µl	AT: C44B32	10 mL	50 ppm	E524 / 500 ppm / 12-31-07	
E528	10/31/07	12/31/07	AR 1660	1000 µl	AT: C44B32	10 mL	5.0 ppm	E527 / 50 ppm / 12-31-07	
E529	11/5/07	5/5/08	GPC Calibration Mix	5 mL	DCM: E30400	50 mL	Varies	E0504 / Varies / 7-14	
E530	11/13/07	5/13/08	Toxaphene	500 µl	AT: C44B32	10 mL	50 ppm	E0511 E0384 / 1000 ppm / 11-30-10	
E531	11/13/07	11/13/08	Toxaphene	Cracked	methanol	—	1000 ppm	E0511 / 1000 ppm / 11-30-10	
E532	11/14/07	12/09	AR 1016	received	iso-octane	4 mL	5001 ppm	NSI 125-07-01 / 5001 ppm / 12/09	
E533	11/14/07	12/08	AR 1260	received	iso-octane	2 mL	5010 ppm	NSI 129-06-01 / 5010 ppm / 12/08	
E534	11/15/07	5/15/08	GPC Calibration Mix	10 mL	DCM: E30400	100 mL	Varies	E0504 / Varies / 7/14	
E535	11/19/07	5/19/08	o-terphenyl	2000 µl	AT: C33808	100 mL	200	E0427 / 10000 ppm / 2/10	
E536	11/20/07	11/20/08	Pest Surr Sol'n	cracked	Acetone	7 mL	200 ppm	E521 / 200 ppm / 5-31-09	
E537	11/21/07	5/21/08	Custom Herb mix	cracked	methanol	1 mL	Varies	E0444 / Varies / 2-28-09	
E538	11/30/07	5/30/08	Pest Surr. Sol'n	600 µl	AT: C44B32	200 mL	0.6	E536 / 200 ppm / 11-30-08	
E539	12/10/07	6/10/08	GPC Calibration Mix	5 mL	DCM: E35404	50 mL	Varies	E0504 / Varies / 7-14	
E540	12/26/07	12/26/08	*2 Dfo Fuel Oil	3000 µl	AT: C44B32	100 mL	1500 ppm	E0426 / 50000 ppm / 10-31-09	
E541	1/2/08	7/2/08	AR 1660		AT: C44B32	10 mL	500 ppm		
			AR 1016	1000 µl				E532 / 5008 ppm / 12-09	
			AR 1260	1000 µl				E440 / 5010 ppm / 12-08	
E542	1/2/08	7/2/08	AR 1660	1000 µl	AT: C44B32	10 mL	50 ppm	E541 / 500 ppm / 7-2-08	
E543	1/2/08	7/2/08	AR 1660	1000 µl	AT: C44B32	10 mL	5.0 ppm	E542 / 50 ppm / 7-2-08	
E544	1/2/08	7/2/08	Pest Surr. Sol'n	600 µl	AT: C44B32	200 mL	0.6 ppm	E536 / 200 ppm / 11-30-08	
E545	1/2/08	8/31/11	Comp #2 Diesel Fuel Solution	rec'd	Dcm	3x 1mL	50000 ppm	Ultra Sci. CD-2371 / 50000 ppm / 8-31-11	
E546	1/18/08	1/18/09	Pest Surr. Sol'n	cracked	Acetone	8 mL	200 ppm	E521 / 200 ppm / 5-31-09	
E547	1/22/08	7/22/08	n-octacosane	2000 µl	AT: C44B32	100 mL	200 ppm	E0486 / 10000 ppm / 10-13	
E548	1/24/08	7-14	GPC Calibration Mix	rec'd	Dcm	5x 5mL	Varies	A051988 / Varies / 7-14	
E549	1/25/08	7/25/08	o-terphenyl	2000 µl	AT: C44B32	100 mL	200 ppm	E0487 / 10000 ppm / 2-10	

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No. Conc.(ppm) Exp.Date	Prep'd By
E550	2-1-08	5-13-08	Toxaphene	1000 µl	AT: E03B17	10 mL	5 ppm	E530 / 50 ppm / 5-13-08	
E551	2-4-08	~~5-21-08~~ 8-4-08	5% Custom Herb Mix	500 µl	meOH: C38E01	10 mL	varies	E0444 / E537 / varies / ~~5-21-08~~ 2-28-09	
E552	2-4-08	2-4-09	Custom Herb Mix	cracked	methanol	1 mL	varies	E0444 / varies / 2-28-09	
E553	2-4-08	3-27-08	DCAA	50 µl	AT: E03B17	10 mL	0.6 ppm	E518 / 120 ppm / 3-27-07	
E554	2-5-08	3-27-07	DCAA	500 µl	AT: E03B17	10 mL	6.0 ppm	E518 / 120 ppm / 3-27-08	
E555	2-8-08	8-8-08	AR 1016	100 µl	AT: E03B17	10 mL	50 ppm	E532 / 5000 ppm / 12-09	
E556	2-8-08	8-8-08	AR 1016	100 µl	AT: E03B17	10 mL	.5 ppm	E555 / 50 ppm / 8-8-08	
E557	2-8-08	8-8-08	AR 1221	100 µl	AT: E03B17	10 mL	50 ppm	E0471 / 5000 ppm / 7-09	
E558	2-8-08	8-8-08	AR 1221	100 µl	AT: E03B17	10 mL	.5 ppm	E557 / 50 ppm / 8-8-08	
E559	2-8-08	8-8-08	AR 1232	100 µl	AT: E03B17	10 mL	50 ppm	E0472 / 5000 ppm / 11-08	
E560	2-8-08	8-8-08	AR 1232	100 µl	AT: E03B17	10 mL	.5 ppm	E559 / 50 ppm / 8-8-08	
E561	2-8-08	8-8-08	AR 1242	100 µl	AT: E03B17	10 mL	50 ppm	E0473 / 5000 ppm / 12-08	
E562	2-8-08	8-8-08	AR 1242	100 µl	AT: E03B17	10 mL	.5 ppm	E561 / 50 ppm / 8-8-08	
E563	2-8-08	8-8-08	AR 1248	100 µl	AT: E03B17	10 mL	50 ppm	E0474 / 5000 ppm / 12-08	
E564	2-8-08	8-8-08	AR 1248	100 µl	AT: E03B17	10 mL	.5 ppm	E563 / 50 ppm / 8-8-08	
E565	2-8-08	8-8-08	AR 1254	100 µl	AT: E03B17	10 mL	50 ppm	E0475 / 5000 ppm / 12-08	
E566	2-8-08	8-8-08	AR 1254	100 µl	AT: E03B17	10 mL	.5 ppm	E565 / 50 ppm / 8-8-08	
E567	2-8-08	8-8-08	AR 1260	100 µl	AT: E03B17	10 mL	50 ppm	E0440 / 5000 ppm / 12-08	
E568	2-8-08	8-8-08	AR 1260	100 µl	AT: E03B17	10 mL	.5 ppm	E567 / 50 ppm / 8-8-08	
E569	2-8-08	5-17-08 * ~~8-8-08~~	AR 1262	500 µl	AT: E03B17	10 mL	50 ppm	E0497 / 1000 ppm / 5-17-08	
E570	2-8-08	5-17-08	AR 1262	100 µl	AT: E03B17	10 mL	.5 ppm	E569 / 50 ppm / 5-17-08	
E571	2-8-08	2-8-09	AR 1268	9.415 g	AT: E03B17	10 mL	4200 ppm	E0256 / neat / 12-10	
			↓	9.373	↓	↓	↓		
			↓	.042 g	↓	↓	↓		
E572	2-8-08	8-8-08	AR 1268	119 µl	AT: E03B17	10 mL	50 ppm	E571 / 4200 ppm / 2-8-09	
E573	2-8-08	8-8-08	AR 1268	100 µl	AT: E03B17	10 mL	.5 ppm	E572 / 50 ppm / 8-8-08	
E574	2-19-08	9-30-08	Pest mix Soln	cracked	Hexane/Toluene	1 mL	1000 ppm	E0437 / 1000 ppm / 9-30-08	

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No. Conc.(ppm) Exp.Date	Prep'd By
E575	2-19-08	8-19-08	Pest MS Soln	50 µl	AT: E03B17	100 mL	0.5 ppm	E574 / 1000 ppm / 9-30-08	
E576	2-19-08	5-13-08	Toxaphene	1000 µl	AT: E03B17	10 mL	5 ppm	E530 / 50 ppm / 5-13-08	
E577	2-22-08	8-8-08	AR 1016	1000 µl	AT: E03B17	10 mL	5 ppm	E555 / 50 ppm / 8-8-08	
E578	2-22-08	8-8-08	AL 1221	1000 µl	AT: E03B17	10 mL	5 ppm	E557 / 50 ppm / 8-8-08	
E579	2-22-08	8-8-08	AR 1232	1000 µl	AT: E03B17	10 mL	5 ppm	E559 / 50 ppm / 8-8-08	
E580	2-22-08	8-8-08	AR 1242	1000 µl	AT: E03B17	10 mL	5 ppm	E561 / 50 ppm / 8-8-08	
E581	2-22-08	8-8-08	AR 1248	1000 µl	AT: E03B17	10 mL	5 ppm	E563 / 50 ppm / 8-8-08	
E582	2-22-08	8-8-08	AR 1254	1000 µl	AT: E03B17	10 mL	5 ppm	E565 / 50 ppm / 8-8-08	
E583	2-22-08	8-8-08	AR 1260	1000 µl	AT: E03B17	10 mL	5 ppm	E567 / 50 ppm / 8-8-08	
E584	3-17-08	3-17-09	Pest Surr Soln	Cracked	Acetone	8 mL	200 ppm	E521 / 200 ppm / 5-31-09	
E585	3-19-08	9-19-08	Pest MS Soln	25 µl	AT: E03B17	50 mL	0.5 ppm	E574 / 1000 ppm / 9-30-08	
E586	4-2-08	2-28-11	Pest Surr Spiking Solution	received	Acetone	16 x 1 mL	200 ppm	CE-0161 / 200 ppm / 2-28-11	
E587	4-15-08	7-4-08	Biphenyl	64.1 ml	AT: 076272	10 ml	500 ppm	Ultra 1534 / 7800 ppm / 9-4-08	
E588	4-17-08	10-17-08	Pest Surr. Spiking solution	600 ml	AT: 076772	200 ml	0.6 ppm	E584 / 200 ppm / 3-17-09	
E589	4-21-08	~~10-31-08~~ 7-31-08	DCAA	600 µl	AT: E03B17	25 mL	120 ppm	E517 / 5000 ppm / 7-31-08	
E590	4-22-08	10-22-08	GPC Calibration Mix	5 mL	DCM: E42400	50 mL	Varies	E0504 / Varies / 7-14	
E591	4-29-08	4-29-09	Pest Surr Soln	cracked	Acetone	8mL	200ppm	E586 / 200ppm / 2-28-11	
E592	5-6-08	5-6-09	Pest Surr Soln	1000 ml	AT: C44B32	10 mL	20 ppm	E586 / 200 ppm / 2-28-11	
E593	5-13-08	11-13-08	GPC Calibration Mix	5 mL	DCM: E42400	50 mL	Varies	E548 / Varies / 7-14	
E594	5-27-08	2-28-09	Custom Herb Mix	cracked	Methanol	1 ml	Varies	E0444 / Varies / 2-28-08	
E595	6/16/08	9/30/08	PEST MS SOL'N	25µl	AT: E40B14	50ml	0.5	E574	SRC
E596	6/20/08	12/~~22~~/08	AR1260 Stock	Opened	ISO: 129-06-01	1ml	5000	E533	SRC
E597	↓	12/1/08	AR1660 500 ppm	—	—	—	—		↓
		↓	AR1016	1000	AT: E40B14	10ml	500	E532	
	↓		AR1260	↓	↓	↓	↓	E596	
E598	6/26/08	10/29/08	Pest Surr. Spiking Sol'n	600µl	AT: E40B14	200ml	0.6	E591	SRC
E599	6/26/08	12/26/08	Pest Surr Solution	cracked	Acetone	5 mL	200 ppm	E586	

GC Semi-Volatile Extraction Standard Prep Log

I.D. No.	Prep Date	Exp. Date	Description/ Parameters	Weights (g)/ Volumes (uL)	Solvent & Lot No.	Final Vol. (mL)	Final Conc.(ppm)	Parent/Source ID No.	Parent/Source Conc.(ppm)	Parent/Source Exp.Date	Prep'd By
E600	6/26/08	12/1/08	AR 1660	1000uL	AT: E40B14	10mL	50.0ppm	E597	500ppm	12/1/08	GM
E601	6/26/08	12/1/08	AR 1660	1000uL	AT/ E40B14	10mL	5.0ppm	E600	50.0ppm	12/1/08	GM
E602	7/29/08	1/29/09	GPC Cal. Solution	5mL	DCM	50mL	varies	E548	varies	7-14	EM
E603	8/1/08	2/1/09	n-Octacosane	2000	AT: E408/14	100	200	E486			SB
E604	↓	↓	o-Terpheny/	↓	↓	↓	↓	E487			↓
E605	8/7/08	2/7/09	Pest Surr. Soln	600uL	AT: E40B14	200mL	0.6ppm	E599	200ppm	11/26/08	GM
E606	8/7/08	9/30/08	Pest MS Soln	12.5uL	AT: E40B14	25mL	0.5ppm	E574	1000ppm	9/30/08	GM
E607	8/11/08	2/11/09	Custom Mix Mix	Cracked	MeOH	Various	Various	E0444 / various		12/28/09	GM
E608	8/18/08	11/1/14	Octacosane Stock	Recd	DCM	4.0mL	10,000	Restek Lot # A056159			SB
E609	↓	11/1/11	o-terpheny/ Stock	↓	↓	↓	↓	Restek Lot # A060074			↓
E610	8/22/08	5/31/09	DCAA Stock	Recd	MeOH	4x1mL	5,000	Ultra Lot # CE-1501			SB
E611	↓	12/31/09	PEST MS STOCK	↓	HX/TL	4x10mL	1,000	Ultra Lot # CD-3934			↓
E612	9/8/08	3-8-09	Pest Surr Solution	cracked	Acetone	2mL	200ppm	Ultra Lot # GE-0167 (E586)			CER
E613	9/19/08	2/8/09	AR1254 50ppm	100uL	AT: G07E33	10mL	50ppm	E479			SB
E614	9/26/08	5/31/09	Pest Surr Solution	cracked	Acetone	2mL	200ppm	Ultra Lot # CC-1164 P8368			CER
E615	9-30-08	5/31/09	Pest Surr Stock	cracked	Acetone		200ppm	P8368			CER
E616	9/30/08	3/30/09	Pest Surr Solution	600uL	AT: G07E33	200mL	0.6ppm	E605	200ppm	5/31/09	CER
E617	10/2/08	10/2/09	Pest MS ~~Soln~~ Stock	cracked	HX/TL	1mL	1000ppm	Ultra Lot # CD-3934			CER
E618	10/2/08	4/2/09	Pest MS Soln	12.5uL	AT: G07E33	25mL	0.5ppm	E617	1000ppm	10/2/09	CER

GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A0209	5-14-04	7-21-04	Ar 1268-2	30ul	10ml hex.	:30	A0051	
			TCMX/DCBP	100ul	Y49E48	.02/.02	S0023	
A0210			Ar1268-3	20ul		.20		
			TCMX/DCBP	100ul		.02/.02		
A0211			Ar1268-4	10ul		.10		
			TCMX/DCBP	100ul		.02/.02		
A0212			Ar1268-5	5ul		.05		
↓			TCMX/DCBP	100ul		.02/.02		
A0213		11-14-04	Ar 1242-5	5ul		.05	A0187	
↓		↓	TCMX/DCBP	100ul		.02/.02	S0023	
A0214	rec. 6-1-04	04/07	Ar 1248	comm. prep.	4X/ml	100.	Ultra PP342 lot # U0302	MCV
A0215	6-7-04	11/19/04	AR1248-5					
			AR1248	100 ul	50ml Hx	0.2 ug/ml	A0188	
↓			TCMX/DCB	500 ul	Y49E48		S0023	BC
A0216	6-14-04	11-19-04	Ar1660-3	-	50mls			MCV
			Ar 1016 + Ar1260	100ul/100ul	hexane lot #	A155/A177	.2/.2	
↓	↓	↓	TCMX/DCBP	500ul	Y49E48	S0023	.02/.02	↓
A0217	6-30-04	11-19-04	Ar1268-3	—	10ml hex	—	—	MCV
			Ar 1268	20.ul	lot # Y49E48	.20	A0051	
↓	↓	↓	TCMX/DCBP	100ul	↓	.02/.02	S0023	↓
A0218	7/13/04	11-14-04	AR1242-3					
			AR1242	20 ul	10ml Hx	0.2	A0187 ~~S0025~~ 7/30/04	BC
			TCMX/DCB	100 ul	Y49E48	0.02/0.02	S0025	
A0219	7/13/04	11-14-04	AR1660-3					
			AR 1016	100 ul	50 ml Hx	0.2	A0155	
			AR 1260	↓	Y49E48	0.2	A0177	
			TCMX/DCB	500 ul		0.02/0.02	S0025	BC
A0220	7/17/04	7/31/04	AR1254	opened	1ml Hx	100 ug/ml	P7198	BC

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Supervisor Review: AN 5-24-04

GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A292	11/15/04	5/15/05	AR1268	opened	1ml 150	100 µg/ml	P7699	BC
A293		3/29/05	AR1268-1					
			AR1268	50 µl	10ml Hx	0.5	~~P7699~~ A292	
			TCMX/DCB	100µl	*A18E31*	0.02/0.02	530	BC
A294			AR1268-2					
			AR1268	30 µl		0.3		
			TCMX/DCB	100		0.02/0.02		BC
A295			AR1268-3					
			AR1268	20 µl		0.2		
			TCMX/DCB	100		0.02/0.02		BC
A296			AR1268-4					
			AR1268	10 µl		0.1		
			TCMX/DCB	100		0.02/0.02		BC
A297			AR1268-5					
			AR1268	5µl		0.05		
			TCMX/DCB	100		0.02/0.02		BC
A298	11/15/04	4/08	AR1016 s/n	received	4x/ml Hx	100 µg/ml	Ultra PP-281 # W-0188	BC
A299	11/17/04	5/17/05	AR1232-SS	40 ml of 50 µg/ml	A37E31 1ml Hx	0.2	E2438	BC
A300	11/17/04	5/14/05	AR1242-3					
			AR1242	20ml	10ml Hx	0.2	A0187	
			TCMX/DCB	100µl	A37E31	0.02/0.02	S0033	BC
A301			AR1242-4					
			AR1242	10 µl		0.1		
			TCMX/DCB	100 µl		0.02/0.02		BC
A302			AR1242-5					
			AR1242	5µl		0.05		
			TCMX/DCB	100 µl		0.02/0.02		BC
A303	12/3/04	6/3/05	AR1242-SS	40ml of 50 µg/ml	10ml Hx A37E31	0.2 µg/ml	E0009	BC

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A316	12/28/04	4/11/05	AR1660-3					
			AR1016	100 µl	50 ml Hex	0.2	A264	
			AR1260	↓	lot # A18/E31	0.2	~~A179~~ A317	
			TCMX/DCB	500 µl		0.02/0.02	50033	BC
A317	12/8/05	7/2005	AR 1260	opened	1 ml Hx	100 µg/ml	R7849	BC
A318	1/7/05	2/2008	AR1260	recd.	8 x 1 ml em Hx	100 µg/ml	Ultra PP-361 W-00669	BC
A319	1/18/05	~~12/18/05~~ 7/18/05	AR1248-3					
		7/18/05	AR1248	20 µl	10 ml Hx	0.2	A310	
			TCMX/DCB	100 µl	lot A37E31	0.02/0.02	50033	RC
A320	1/18/05	4/7/05	AR1254-3					
			AR1254	20 µl		0.2	A259	
			TCMX/DCB	100 µl		0.02/0.02	50033	BC
A321	2/10/05	5/14/05	AR1242-3					
			AR1242	20 µl		0.2	A187	
			TCMX/DCB	100 µl		0.02/0.02	50033	BC
A322	2/14/05	4/11/05	AR1660-3					
			AR1016	100 µl	50 ml Hx	0.2	A264	
			AR1260	↓	lot # A37E31	0.2	A317	
			TCMX/DCB	500 µl		0.02/0.02	50033	BC
A323	2/24/05	5/14/05	AR1221-3					
			AR1221	20 µl	10 ml Hx	0.2	A186	
			TCMX/DCB	100 µl	# A37E31	0.02/0.02	533	BC
~~A324~~		~~5/14/05~~ 4/7/05	AR1248-3					
		5/14/05	AR1248	20 µl			A310	
			TCMX/DCB	100 µl			533	BC
A325		4/7/05	AR1254-3					
			AR1254	20 µl			A259	
			TCMX/DCB	100 µl			533	BC

DP 1/20/05

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A366	5/19/05	9/25/05	AR1232-5					
			AR1232	0.05 ml	10 ml Hx	0.05	A328	
			Tom x/DCB	100	A37E31	0.02/0.02	A540	BC
A367	5/19/05	5/19/06	AR1242 stock	opened	1 ml Hx	100 mg/ml	P7582	BC
A368		9/25/05	AR1242-1					
			A1242	50 µl		0.5	A367	
			Tom x/DCB	100		0.02/0.02	540	BC
A369			AR1242-2					
			AR1242	30		03		
			T/D	100				BC
A370			AR1242-3					
			AR1242	20		0.2		
			T/D	100				BC
A371			AR1242-4					
			AR1242	10		0.1		
			T/D	100				BC
A372			AR1242-5					
			AR1242	5.0		0.05		
			T/D	100				BC
A373		~~2/07~~ 5/19/06	AR1268 stock	opened	1 ml ISO	100 mg/ml	P7699	BC
A374		9/25/05	AR1268-1					
			AR1268	50 µl	10 ml Hx	0.5	A373	
			T/D	100	A37E31	0.02/0.02	540	BC
A375			AR1268-2					
			AR1268	30		0.3		
			T/D	100				BC
A376			AR1268-3	20		0.2		
			T/D	100				BC

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GC SEMIVOLATILE STANDARDS LOG

BC 10/2/05

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A389	5/25/05	11/28/05	AR 1660-3					
			AR1016	100 µl	5ml Hx	0.2	A334	
			AR1260	100	lot A37E31	0.2	A335	
			TCMX/DCB	500		0.02/0.02	S0044	BC
A390	6/1/05	12/1/05	AR1232-5.5.	40µl of 50µg/ml	10ml Hx A37E31	0.2	E139	BC
A391	↓	↓	AR1242-55.	↓	↓	0.2	E140	BC
A392	6/1/05	1/08	AR1242	rec'd	4 x 1ml	100µg/ml	Ultra U-2012 PP-311	BC
A393	↓	1/07	AR1262	↓	↓	↓	Ultra 51573 PP-382	BC
A394	rec. 6-3-05	1-31-07	AR1262	comm. prep.	2 x 1ml	100. ug/ml	Ultra PP.372 lot # 5-1574	
A395	6-4-05	6-4-06	AR1262	opened	1ml 150	100 µg/ml	A394	BC
A396		12-4-05	AR1262-1	50 µl	10 ml Hx	0.5	A395	
			TCMX/DCB	100	A37E31	0.02/0.02	S46	BC
A397			AR1262-2	30		0.3		
			TCMX/DCB	100				BC
A398			AR1262-3	20		0.2		
			TCMX/DCB	100				BC
A399			AR1262-4	10		0.1		
			TCMX/DCB	100				BC
A400			AR1262-5	5		0.05		
	↓	↓	TCMX/DCB	100	↓	↓	↓	BC
A401	6/28/05	12/28/05	AR 1660-3		50 ml Hx			Em
			AR1016	100ul	lot A37E31	0.2 µl	A334	
			AR1260	100ul	↓	0.2	A335	
			TCMX/DCB	500ul	↓	0.02/0.02	0050 S0044 Em 6/29/05	
A402	6/29/05	9/25/05	~~AR 1242~~ AR1242-3		10 ml Hex			Em
			AR1242	20ul	lot A37E31	0.2 µl	A367	
			TCMX/DCB	100ul	↓	0.02 µl	S0050	
								Em 6/29/05

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A424	8/23/05	2-23-05	AR1268-3	20ul	10mL Hexane	0.2	A373	EM
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02	S50	〃
A425	8-25-05	9-30-05	AR 1254-1	50ul	10mL Hexane	0.5/0	A346	AM
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02	S50	〃
A426	〃	〃	AR1254-2	30ul	10mL Hx	0.3	A346	〃
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02	S50	〃
A427	〃	〃	AR1254-3	20ul	10mL Hex	0.2	A346 ~~A378~~	〃
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02 8/25/05	S50	〃
A428	〃	〃	AR1254-4	10ul	10mL Hex	0.1	~~A346~~ A346	〃
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02	~~A34~~ S50	〃
A429	〃	〃	AR 1254-5	5ul	10mL Hex	0.05	A346	〃
〃	〃	〃	TCMX/DCB	100ul	B08645	0.02/0.02	S50	〃
A430	8/26/05	12/4/05	AR1262-3	20ul	〃	0.2	A395	
			TCMX/DCB	100ul	〃	0.02/0.02	S50	BC
A431	9-2-05	12-7-05	AR1660		50mL Hex			CM
〃	〃	〃	AR1016	100ul	B08645	0.2	A298	〃
〃	〃	〃	AR1260	100ul	〃	0.2	A318	〃
〃	〃	〃	TCMX/DCB	500ul	〃	0.02/0.02	S54	〃
A432	9-7-05	12-31-05	Ar 1248-3	20ul	10mL hexane	0.20	A310	〃
〃	〃 opened.	〃	TCMX/DCBP	100ul	1:1 B08645	.02/.02	S0054	〃
A433	9-13-05	9-13-06	Ar 1254 stock	comm prep.	1ml Hx	100.	A0224	〃
A434	9-13-05	2-26-06	Ar 1660-4	-	10ml hex.	-		〃
〃	〃	〃	Ar 1016	10ml	B08645	.10	A298	〃
〃	〃	〃	Ar 1260	10ml	〃	.10	A318	〃
〃	〃	〃	TCMX/DCBP	100ml	〃	.02/.02	S0054	〃
A435	〃	12-31-05	Ar 1232-4	-	〃	-		〃
〃	〃	〃	AR1232	10ml	〃	.10	A0038	〃
〃	〃	〃	TCMX/DCBP	100ml	〃	.02/.02	S0054	〃

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A461	10/12/05	12/05	AR1232 stock	opened	1 ml Hx	100 µg/ml	A17	BC
A462	↓	↓	AR1232-1	50 µl	10 ml Hx	0.5	A461	
			TCMX/DCB	100	BOBE45	0.02/0.02	S54	BC
A463			AR1232-2	30	↓	0.3	↓	
			TCMX/DCB	100		↓		BC
A464			AR1232-5	5		0.05		
	↓	↓	TCMX/DCB	100 ↓	↓	↓	↓	BC
A465	↓	2/26/06	AR1254-2	30	↓	0.3	A433	
		↓	TCMX/DCB	100		0.02/0.02	S54	BC
A466	↓		AR1254-5	5		0.05	A433	
	↓	↓	TCMX/DCB	100 ↓	↓	↓	S54	BC
A467	10/18/05	9/07	AR1232 soln	Recd	1x1 ml in Hx	100 µg/ml	Ultra PP30 U1281	BC
A468	↓	↓	↓	↓	4x1 ml in Hx	↓	↓	BC
A469	↓	9/30-09	AR1254 Soln	↓	4x1 ml in Hx	↓	Ultra PP351 CB-1796	BC
A470	10/26/05	2/26/06	AR1254-3	20 ml	10 ml Hx	0.2	A433	
	↓	↓	TCMX/DCB	100	B16622	0.02/0.02	S54	BC
A471	↓	↓	AR1268-3	20	↓	0.2	A373	
	↓	↓	TCMX/DCB	100	↓	0.02/0.02	S54	BC
A472	10/26/05	4/26/06	AR1232	opened	1 ml Hx	100 µg/ml	A467	BC
A473	↓	2/26/06	AR1232-1	50 µl	10 ml Hx	0.5	A472	
		↓	TCMX/DCB	100	B16E22	0.02/0.02	S54	BC
A474	↓		AR1232-2	30 µl	↓	0.3	↓	
			TCMX/DCB	100		↓		BC
A475			AR1232-3	20 µl		0.2		
			TCMX/DCB	100		↓		BC
A476			AR1232-4	10 µl		0.1		
	↓	↓	TCMX/DCB	100	↓	↓	↓	BC

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A489	11/7/05	12/05	AR1248-3	20 µl	10 ml Hx	0.2	A310	
			TCMX/DCB	100 µl	#B16E22	0.02/0.02	S54	BC
A490	11/22/05	~~2/26/05~~ 4/30/06	AR1254-3	20 µl	10 ml Hx	0.2	A433	STBc
			TCMX/DCB	100 µl	#B16E22	0.02/0.02	S0057	
A491	11-23-05	4-30-06	AR 1221-3	20ml	10ml hex.	.20	A0356	MLB
↓	↓	↓	TCMX/DCBP	100 µl	B16E22	.02/.02	S0057	↓
A492	12/1/05	4/30/06	AR1242-3	20 µl	10 ml Hx	0.2	A367	STBc
			TCMX/DCB	100 µl	↓ B16E22	0.02/0.02	S0057	↓
A493	12/5/05	4/30/06	AR1248-3	20 µl	10 ml Hex	0.2	A0494 ~~S0057~~	STBc
			TCMX/DCB	100 µl	#B16E22	0.02/0.02	S0057	↓
A494	12/5/05	12/5/06	AR1248 Stock	Cracked	1 ml ISO	100 µg/ml	A0214	↓
A495	12/7/05	4/30/06	AR1660-3					
			AR1016	~~100~~ 500 µl	50 ml Hx	0.2	A0298	
			AR1260	100 µl	lot# B16E22	0.2	A0318	
			TCMX/DCB	500 µl		0.02/0.02	S0057	BC
A496	12/12/05	4/30/06	AR1254-3	20 µl	10 ml Hx	0.2	A433	STBc
			TCMX/DCB	100 µl	# B16E22	0.02/0.02	S0057	↓
A0497	12/15/05	4/30/06	AR1248-1	50 µl	10 ml Hx	0.5	~~0.5~~ A494	
			TCMX/DCB	100	B16E22	0.02/0.02	DG 12/19/05 ~~S0~~ S57	BC
A0498			AR1248-2	30		0.3		
			TCMX/DCB	100				BC
A0499			AR1248-3	20		0.2		
			TCMX/DCB	100				BC
A0500			AR1248-4	10		0.1		
			TCMX/DCB	100				BC
A0501			AR1248-5	5		0.05		
	↓	↓	TCMX/DCB	100	↓	↓	↓	BC
A0502	12/15/05	5/14/06	AR1254-5S	40 µl/50 µl/ml	10 ml B16E22 Hx	0.2	E0234	BC

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD $ SOURCE	MADE BY
A0528	3/1/06	8/5/06	AR 1660-3		50 ml Hex			MA
			-TCMX/DCB	500µl	B08E45	0.02/0.02	S0062	
			- AR 1016	100µl		0.2	A0298	
			- AR 1260	100µl		0.2	A0318	
A0529	3/2/06	8/5/06	AR 1660-1		10 ml Hex			MA
			-TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
			-AR 1016	50µl		0.50	A0298	
			-AR 1260				A0318	
A530	3/2/06	8/5/06	AR 1660-2		10ml Hex			
			-TCMX/DCB	100µl	B08E45			
			-AR 1016	30µl				
	MA 3/2/06		-AR 1260					
A0530	3/2/06	3/2/07	AR 1016	cracked	Hex	100ppm	A0298	MA
A0531	3/2/06	8/9/06	AR 1660-2		10 ml Hex			MA
			-TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
			-AR1016	30µl		0.3	A0530	
			-AR1260				A0318	
A0532	3/2/06	8/9/06	AR 1660-4		10 ml Hex			MA
			-TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
			-AR1016	10µl		0.1	A0530	
			-AR 1260			0.1	A0318	
A0533	3/2/06	8/9/06	AR 1660-5		10 ml Hex			MA
			-TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
			-AR1016	5µl		0.05	A0530	
			-AR1260				A0318	
A0534	3/2/06	3/2/07	AR 1232	cracked	Hex	100ppm	A0468	MA
					MA	3/2/06		

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A0535	3/2/06	5/19/06	AR 1221-1	50µl	10 ml Hex	0.5	A03516	MA
↓	↓	↓	-TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0536			AR1221-2	30µl		0.3		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0537			AR1221-4	10µl		0.1		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0538			AR1221-5	5µl		0.05		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0539		MA 3/2/06 7/06	AR1221-SS	400µl		0.2	E01916	MA
A0540	3/2/06	8/21/06	AR 1232-1	50µl		0.5	A05534	MA
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02	S0062	↓
A0541			AR1232-2	30µl		0.3		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0542			AR 1232-3	20µl		0.2		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0543			AR 1232-4	10µl		0.1		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0544			AR 1232-5	5µl		0.05		MA
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02		↓
A0545	3/2/06	5/19/06	AR1242-1	50µl		0.5	A03667	MA
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02	S0062	↓
A0546			AR 1242-2	30µl		0.3		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0547			AR 1242-4	10µl		0.1		MA
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0548			AR 1242-5	5µl		0.05		MA
↓	↓	↓	TCMX/DCB	100µl	MA 3/2/06	0.02/0.02	↓	↓

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A0549	3/2/06	8/21/06	AR 1254-1	~~50µl 10ml Hex~~ *	10ml Hex	0.5	A0433	
↓			TCMX/DCB	~~100ml B08E45~~ 4	B08E45	0.02/0.02	S0062	↓
A0550			AR 1254-2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0551			AR 1254-4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0552			AR 1254-5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/002	↓	↓
A0553	3/2/06	5/19/06	AR 1268-1	50µl		0.5	A0373	
↓			TCMX/DCB	100µl		0.02/0.02	S0062	↓
A0554			AR 1262-2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0555			AR 1268-4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		↓
A0556			AR 1268-5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02	↓	↓
A0557	3/2/06	8/29/06	AR1660-5S	400µl	↓	0.2	E0275	
A0558	3/9/06	8/21/06	AR 1254-3	20µl	10ml Hex	0.2	A0433	
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0559	3/23/06	5/19/06	AR 1242-3	20µl	10ml Hex	0.2	A03167	
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0560	3/23/06	8/21/06	AR 1248-3	20µl	10 ml Hex	0.2	A0494	
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0063	↓
A561	4/3/06	8/21/06	AR1248-4	10µl	10ml Hex	0.1	A494	ST&C
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S62	↓
A562	4/7/06	8/21/06	AR1660-4		10ml Hex B08E45			ST&C
			TCMX/DCB	100µl	↓	0.02/0.02	S62	$
			AR1016	10µl	↓	0.1	A530	
↓	↓	↓	AR1260	10µl		0.1	A563	↓

* A0549 3/2/06

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A563	4/7/06	4/7/07	AR1260 stock	Cracked	Hex	100	A318	STOCK
A564	↓	5/19/06	AR1242-4	10µl	10ml Hex B08E45	0.1	A367	↓
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S62	
A565	↓	8/21/06	AR1254-4	10µl	↓	0.1	A433	
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S62	↓
A0566	4/13/06	8/21/06	AR1254-3	10µl	Hex 10ml	~~0.1~~ 0.1	A0433	HA * HA 4/19/06
↓	↓	↓	TCMX/DCB	100µl	B08E45	~~0.02/0.02~~ 0.02/0.02	S0062	↓
A0567	4/18/06	8/21/06	AR1254-3	10µl	Hex 10ml	~~0.1~~ 0.1	A0433	HA * HA 4/19/06
↓	↓	↓	TCMX/DCB	100µl	B08E45	~~0.02/0.02~~ 0.02/0.02	S0062	↓
A0568	4/19/06	8/21/06	AR1254-3	20µl	Hex 10ml	0.2	A0433	HA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0569	4/19/06	5/19/06	AR1221-3	20µl	Hex 10ml	0.2	A0356	HA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
A0570	4/19/06	5/19/06	AR1242-4	10µl		~~0.1~~ 0.1 HA 4/21/06	A0367	
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02	S0062	
A0571	4/19/06	8/21/06	AR1254-4	10µl		0.1	A0453	
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S0062	↓
A0572	4/21/06	8/21/06	AR1660-3	—	Hex ~~10~~ 5ml * B08E45	—		HA
HA * 7/21/06			AR1016	~~20~~ 100 µl *	0.2	0.2	A0530	
			AR1260	~~20~~ 100 µl *	0.3	0.2	A0563	
↓	↓	↓	TCMX/DCB	~~100~~ 500 µl *	0.02/0.02 HA 4/21/06	0.02/0.02	S0062	↓
A0573	4/21/06	5/19/06	AR1242-3	20µl	~~Hex~~ 10ml	0.2	A0367	HA
↓	↓	↓	TCMX/DCB	~~100~~ 100 µl HA 4/21/06	B08E45	0.02/0.02	S0062	↓
A0574	4/21/06	8/21/06	AR1248-3	20µl	Hex 10ml	0.2	A0494	HA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0575	4/21/06	8/21/06	AR1232-4	10µl		0.1	A0534	HA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S0062	↓

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~~A0563~~	~~4/13/06~~			4/13/06				
A0576	4/24/06	8/21/06	AR 1660-3	—	Hex 50ml	~~0.2 * 4/24/06~~	—	
			AR 1016	100µl	B08E45	0.2	A0530	
			AR 1260	100µl		0.2	A0563	
			TCMX/DCB	500µl		0.02/0.02	S0062	
A0577	4/25/06	8/21/06	AR 1660-1	—	Hex 10ml	—	—	
			AR 1016	50µl	B08E45	0.5	A0530	
			AR 1260	50µl		0.5	A0563	
			TCMX/DCB	100µl		0.02/0.02	S0062	
A0578	4/25/06	8/21/06	AR 1660-2	—		—	—	
			AR 1016	30µl		0.3	A0530	
			AR 1260	30µl		0.3	A0563	
			TCMX/DCB	100µl		0.02/0.02	S0062	
A0579	4/25/06	8/21/06	AR 1660-4	—		—	—	
			AR 1016	10µl		0.1	A0530	
			AR 1260	10µl		0.1	A0563	
			TCMX/DCB	100µl		0.02/0.02	S0062	
A0580	4/25/06	8/21/06	AR 1660-5	—		—	—	
			AR 1016	5µl		0.05	A0530	
			AR 1260	5µl		0.05	A0563	
			TCMX/DCB	100µl		0.02/0.02	S0062	
A0581	4/26/06	8/21/06	AR 1248-1	50µl	Hex 10ml	0.5	A0494	
			TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
A0582	4/26/06	8/21/06	AR 1248-2	30µl		0.3		
			TCMX/DCB	100µl		0.02/0.02		
A0583	4/26/06	8/21/06	AR 1248-5	5µl		0.05		
			TCMX/DCB	100µl		0.02/0.02		
		4/26/06						

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A0584	4/26/06	6/4/06	AR1262-1	50µl	10ml Hex	0.5	A0395	HA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
A0585	4/26/06	6/4/06	AR 1262-2	30µl		0.3		
↓	↓	↓	TCMX/DCB	100µl ~~30µl~~ HA 4/26/06		0.02/0.02		
A0586	4/26/06	6/4/06	AR 1262-3	20µl ~~100µl~~ HA 4/26/06		0.2		
↓	↓	↓	TCMX/DCB	100µl ~~20µl~~ HA 4/26/06		0.02/0.02		
A0587	4/26/06	6/4/06	AR 1262-4	10µl		0.1		
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02		
A0588	4/26/06	6/4/06	AR1262-5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02		
A0589	4/26/06	5/19/06	AR1268-3	20µl	10ml Hex	0.2	A0373	HA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A0590	5/1/06	8/21/06	AR1248-3	20µl	10 ml Hex	0.2	A494	Std.
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/002	S62	↓
A0591	5/1/06	5/1/07 ~~8/21/06~~ HA 5/1/06	AR 1242	cracked	hexane 1ml	100µg/ml	A0392	HA
A0592	5/1/06	8/21/06	AR 1242-1	50µl ~~50µl~~ HA 5/1/06	Hex 10 ml	0.5	A0591	
↓			TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
A0593			AR 1242-2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		
A0594			AR 1242-3	20µl		0.2		
↓			TCMX/DCB	100µl		0.02/0.02		
A0595			AR 1242-4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		
A0596			AR 1242-5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02		
A0597	5/1/06	8/21/06	AR 1254-1	50µl	Hex 10ml	0.5	A0433	HA
↓			TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	
A0598			AR 1254-2	30µl		0.3		
↓	↓	↓	TCMX/DCB	100µl		0.02/0.02		↓

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A0599	5/1/06	8/21/06	AR 1254-3	20µl	Hex 10ml	0.2	A0433	YA
↓	↓	↓	TCMX/DCB	100µl	B08E45	0.02/0.02	S0062	↓
A1600	5/5/06	~~8/21/06~~ 5/2/07	AR1232-3	20µl	10ml Hex B12E55	0.2	A1554	STD.
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S67	↓
A1601	5/9/06	8/21/06	AR 1248-3	20µl	10ml Hex	.2	A494	YA
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S67	↓
A1602	5/15/06	8/21/06	AR1254-3	20µl	10ml Hex B12E55	0.2	A433	STD.
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S67	↓
A1603	5/17/06	8/21/06	AR 1242-3	20ml	10ml Hex 0.2	0.2	A591	YA
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S67	↓
A1604	5-23-06	8/21/06	AR 1660-3	—	Hexane 50ml	—	—	AC
			AR 1016	100ml	B17E55	0.2	A530	
			AR 1260	100ml		0.2	A563	
			TCMX/DCB	500ml	↓	0.02/0.02	S67	
A1605	5-26-06	8/21/06	AR1254-3	20µl	10ml Hex B17E55	.2	A433	AC
↓	↓	↓	TCMX/DCB	100ml	↓	.02/.02	S67	↓
A1606	5/31/06	4/07	AR 1248	cracked	hexane 1ml	100µg/ml	A0214	YA
A1607	5/31/06	8/21/06	AR 1248-3	20µl	10ml Hex	0.2	A1606	YA
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S167	↓
A1608	6/6/06	1/31/07	AR 1268	Cracked	1ml Isooctane	100 ppm	A393	YA
A1609	6/6/06	8/21/06	AR 1268-3	~~10ml~~ 6/16/06 20µl	10ml Hex	0.2	A1608	YA
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S167	↓
A1610	6/12/06	6/12/07	AR 1221	cracked	1ml hexane	100 ppm	A48	YA
A1611	6/12/06	1/31/07	AR 1262	cracked	1ml isooctane	100 ppm	A394	YA
A1612	6/12/06	9/6/06	AR 1254-55	400µl	10ml Hex B17E55	0.2	E305	YA
A1613	6/12/06	8/21/06	AR1221-1	50µl	10ml Hex	0.5	A1610	YA
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S167	↓
A1614 ~~A1584~~	6/12/06	8/21/06	AR 1221-2	30µl		0.3		YA
YA 6/12/06 ↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	↓	↓

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A628	6/19/06	8/21/06	AR1660-1	—	10ml Hex	—	—	GS
↓	↓	↓	-AR1016	50µl	B17E55	0.5	A0530	↓
↓	↓	↓	-AR1260	50µl	↓	0.5	A563	↓
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S67	↓
A629	6/20/06	11/30/06	AR 1232-SS	40µl	10ml Hex B17E55	0.2	E0344	GS
A630	↓	12/16/06	AR 1242-SS	40µl	↓	0.2	E0345	↓
A631	↓	↓	AR1248-SS	40µl	↓	0.2	E0346	↓
A632	6/21/06	8/21/06	AR1660-2	—	10ml Hex B17E55	—	—	GS
↓	↓	↓	AR1016	30µl	GS 6/21/06 0.3	0.3	A530	↓
↓	↓	↓	AR1260	30µl	GS 6/21/06 0.3	0.3	A563	↓
↓	↓	↓	TCMX/DCB	100µl	GS 6/21/06 0.02/0.02	0.02/0.02	S67	↓
A633	6/21/06	8/21/06	AR1660-1	—	10ml Hex B17E55	—	—	GS
↓	↓	↓	AR1016	50µl	↓	0.5	A530	↓
↓	↓	↓	AR1260	50µl	↓	0.5	A563	↓
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S67	↓
A634	6/23/06	9/6/06	AR1254-SS	40µl	10ml Hex B17E55	0.2	E0303	GS
A635	6/26/06	8/21/06	AR 1254-3	20µl	10ml GS 6/26/06 ~~10ml~~ Hex	0.2	A453	GS
↓	↓	↓	TCMX/DCB	100µl	B17E55	0.02/0.02	S67	↓
A636	6/27/06	8/21/06	AR1660-3	—	50ml Hex B17E55	—		GS
↓	↓	↓	AR1016	100µl	↓	0.2	A530	↓
↓	↓	↓	AR1260	100µl	↓	0.2	A563	↓
↓	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	S67	↓
A637	6/28/06	8/21/06	AR1248-3	20µl	10ml Hex B17E55	0.2	A1006	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S67	↓
A638	6/28/06	9/30/09	AR1221 Stock	Reid 4x1/ml	Hex	100	Ultra Lot# CB-1791	SS
A639	↓	↓	AR1254 Stock	Reid	4x1/ml Hex	100	Ultra Lot# CB-1796	↓
A640	↓	1/31/08	AR1262 Stock	Reid	4x1/ml Hex	100	Ultra Lot# U-2013	↓
A641	6/29/06	6/29/07	AR ~~1221~~ 1262 GS 7/3/06	cracked	1ml Hex	100	~~A638~~ A640	GS

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A642	6/29/06	8/21/06	AR 1262 -1	50µl	10ml Hex B33E22	0.5	A641	YA
↓			TCMX/DCB	100µl		0.02/0.02	S67	
A643			AR 1262 -2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		
A644			AR 1262 -3	20µl		0.2		
↓			TCMX/DCB	100µl		0.02/0.02		
A645			AR 1262 -4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		
A646			AR 1262 -5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	↓	↓
A647	7/3/06	7/3/07	AR1221	opened	1ml Hex	100 ppm	A638	YA
A648	7/3/06	12/30/06	AR1221-1	50µl	10ml Hex B33E22	0.5	A647	YA
↓			TCMX/DCB	100µl		0.02/0.02	S71	
A649			AR1221-2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		
A650			AR1221-3	20µl		0.2		
↓			TCMX/DCB	100µl		0.02/0.02		
A651			AR1221-4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		
A652			AR1221-5	5µl		0.05		
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	↓	↓
A653	7/10/06	12/30/06	AR 11660-1	—	B35E22 10ml Hex	—		YA
↓	↓	↓	1016	50µl	↓	0.5	A590	↓
			1260	50µl		0.5	A563	
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A654	7/10/06	12/30/06	AR 1242-3	20µl		0.2	A591	YA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A655	7/13/06	12/31/06	AR 11660-5S	40µl	10ml Hex B33E22	0.2	E0363	YA

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A656	7/13/06	11/30/06	AR 1232-SS	40µl	10ml Hexane B33E22	0.2	E0364	GS
A657		12/31/06	AR1242-SS				E0365	
A658		1/13/07	AR 1221-SS				E0366	
A659		12/31/06	AR1248-SS				E0367	
A660	↓	12/31/06	AR 1254-SS		10Ml Hexane		E0368	↓
A661	7/13/06	12/30/06	AR 1248-1	50µl	B33E22	0.5	A608	GS
↓			TCMX/DCB	100µl		0.02/0.02	S71	
A662			AR 1248-2	30µl		0.3		
↓			TCMX/DCB	100µl		0.02/0.02		
A663			AR 1248-3	20µl		0.2		
↓			TCMX/DCB	100µl		0.02/0.02		
A664			AR 1248-4	10µl		0.1		
↓			TCMX/DCB	100µl		0.02/0.02		
A665			AR 1248-5	5µl		0.05		
↓			TCMX/DCB	100µl		0.02/0.02	↓	↓
A666		9/13/06	AR 1254-3	20µl		0.2	A433	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A667	7/24/06	12/30/06	AR 1660-1	—	10ml Hex B33E22	—		GS
↓	↓	↓	AR1016	50µl	↓	0.5	A530	↓
			AR1260	50µl		0.5	A563	
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A668	8/1/06	12/30/06	AR 1660-1	—	10ml Hex B33E22	—		GS
↓	↓	↓	AR 1016	50µl	↓	0.5	A530	↓
			AR 1260	50µl		0.5	A563	
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A669	8/2/06	3/2/07	AR 1660-3	—	50ml Hex B33E22	—		SK
	↓	↓	AR1016	100µl	↓	0.2	A530	↓
			AR1260	↓		0.2	A563	
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	S75	↓

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A670	8/2/06	3/2/07	AR1232-3	20µl	10ml Hex B33E22	0.2	A534	SSc.
	↓		TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A671	↓	5/1/07	AR1242-3	20µl	↓	0.2	A591	↓
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A672	8/4/06	4/1/07	AR1248-3	20µl	10ml Hex B33E22	0.2	A606	SSc.
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A673	8/4/06	8/4/07	AR1254 Stock	Cracked	1ml Hex	100	A469	↓
A674	8/4/06	8/2/07	AR1254-3	20µl	10ml Hex B33E22	0.2	A673	↓
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A675	8/16/06	12/30/06	AR1242-3	20µl	B33E22 10ml Hex	0.2	A591	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A676	8/16/06	12/30/06	AR1254-3	20µl	↓	0.2	A673	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A677	8/16/06	12/30/06	AR1616D-3	—	50ml Hex B33E22	—	—	GS
↓	↓	↓	AR1016	100µl	↓	0.2	A530	↓
↓	↓	↓	AR1260	100µl	↓	0.2	A563	↓
↓	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	S71	↓
A678	8/18/06	12/30/06	AR1248-3	20µl	10ml Hex B33E22	0.2	A606	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
A679	8/30/06	8/2/07	AR1254-3	20µl	10ml Hex B33E22	0.2	A673	SSc.
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
~~A680~~	~~9/7/06~~		~~AR1248-3~~	~~GS~~	9/7/06			
A680	9/7/06	5/1/07	AR1242-3	20µl	10ml Hex B33E22	0.2	A591	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A681	9/11/06	12/30/06	AR1248-3	20µl	10ml Hex B33E22	0.2	A606	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S71	↓
~~A682~~	~~9/15/06~~		~~AR1660-1~~	~~50~~	10ml Hex B33E22	~~0.5~~		
9/5/06			AR1016	50µl	↓	0.5		
GS			AR1260	50µl	↓	0.5		
			~~TCMX/DCB~~	~~100µl~~	↓	0.02/0.02		

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A682	9/15/06	12/30/06	AR 1660-1	———	10 ml Hex B33E22	———	——→	GS
↓	↓	↓	AR 1016	GS 9/15/06 50 µl	↓	0.5	A530	↓
↓	↓	↓	AR 1260	50 µl	↓	0.5	A563	↓
↓	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	571	↓
A683	9/19/06	9/19/07	AR 1016	cracked	hexane	100 ppm	A298	GS
A684	9/19/06	9/19/07	AR 1260	cracked	hexane	100 ppm	A318	GS
A685	9/19/06	3/19/07	AR 1660-3	———	50ml Hexane B33E22	———	———	GS
↓	↓	↓	AR 1016	100 µl	↓	.2	A683	↓
↓	↓	↓	AR 1260	100 µl	↓	.2	A684	↓
↓	↓	↓	TCMX/DCB	500 µl	↓	.02/.02	575	↓
A686	9/21/06	3/21/07	AR 1254-3	20 µl	50 ml Hexane C05E39	.2	A673	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	575	↓
A687	10/3/06	5/1/07	AR 1242-3	20 µl	10ml Hexane C05E39	.2	A591	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	575	↓
~~A688~~	10/4/06		AR 1660-2	30 µl	10ml Hexane C05E39	GS 10/4/06 ~~.03~~ .3		
			TCMX/DCB	100 µl		.02/.02		
A689	10/4/06		AR 1660-4	10 µl		.1		
			TCMX/DCB	100 µl		.02/.02		
A690	10/4/06		AR 1660-5	5 µl		.05	GS 10/4/06	
			TCMX/DCB	100 µl	↓	.02/.02		
A688	10/4/06	8/2/07	AR 1660-2	———	10ml Hexane C05E39	———	———	———
↓	↓	↓	AR 1016	30 µl	↓	.3	A683	GS
↓	↓	↓	AR 1260	30 µl	↓	.3	A684	↓
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	575	↓
A689	10/4/06	8/2/07	AR 1660-4	———	———	———	———	———
↓	↓	↓	1016	10 µl	↓	.1	A683	GS
↓	↓	↓	1260	10 µl	↓	.1	A684	↓
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	575	↓

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A690	10/4/06	8/2/07	AR 1660-5	———	10ml Hexane C05E39	———	———	———
↓	↓	↓	1016	5µl	↓	.05	A683	YA
			1260	5µl		.05	A684	↓
↓	↓	↓	TCMX/DCB	100µl		.02/.02	S75	
A691	10/4/06	3/2/07	AR 1232-1	50µl		.5	A534	YS
↓	↓	↓	TCMX/DCB	100µl		.02/.02	S75	↓
A692			AR 1232-2	30µl		.3	A534	
↓			TCMX/DCB	100µl		.02/.02	S75	
A693			AR 1232-4	10µl		.1	A534	
↓			TCMX/DCB	100µl		.02/.02	S75	
A694			AR 1232-5	5µl		.05	A534	
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S75	↓
A695	10/4/06	5/1/07	AR 1242-1	50µl	10ml Hexane C05E39	.5	A591	YS
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S75	↓
A696			AR 1242-2	30µl		.3		
↓			TCMX/DCB	100µl		.02/.02		
A697			AR 1242-4	10µl		.1		
↓			TCMX/DCB	100µl		.02/.02		
A698			AR 1242-5	5µl		.05		
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	↓	↓
A699	10/4/06	8/2/07	AR 1254-1	50µl	10ml Hexane C05E39	.5	A1673	YS
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S75	↓
A700			AR 1254-2	30µl		.3		
↓			TCMX/DCB	100µl		.02/.02		
A701			AR 1254-4	10µl		.1		
↓			TCMX/DCB	100µl		.02/.02		
A702			AR 1254-5	5µl		.05		
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	↓	↓

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A703	10/5/06	4/30/07	AR1248-3	20µl	10ml Hexane C05E39	.2	A1606	GS
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	557	↓
A704	10/10/06	1/31/07	AR1262-1	50µl	10ml Hexane C05E39	.5	A1611	GS
↓			TCMX/DCB	100µl		.02/.02	557	
A705			AR1262-2	30µl		.3		
↓			TCMX/DCB	100µl		.02/.02		
A706			AR1262-3	20µl		.2		
↓			TCMX/DCB	100µl		.02/.02		
A707			AR1262-4	10µl		.1		
↓			TCMX/DCB	100µl		.02/.02		
A708			AR1262-5	5µl		.05		
↓			TCMX/DCB	100µl		.02/.02	↓	
A709			AR1268-1	50µl		.5	A1606	
↓			TCMX/DCB ~~AR1268-1~~ 10/10/06	100µl		.02/.02	557	
A710			AR1268-2	30µl		.3		
↓			TCMX/DCB	100µl		.02/.02		
A711			AR1268-3	20µl		.2		
↓			TCMX/DCB	100µl		.02/.02		
A712			AR1268-4	10µl		.1		
↓			TCMX/DCB	100µl		.02/.02		
A713			AR1268-5	5µl		.05		
↓	↓		TCMX/DCB	100µl		.02/.02	↓	
A714	10/11/06	8/2/07	AR1660-3	—	50ml Hexane C05E39	—	—	GS
			AR1016	100µl		.2	A1683	
			AR1260	100µl		.2	A1684	
↓	↓	↓	TCMX/DCB	500µl		.02/.02	~~SB~~ 11/14/06 557	↓
A715	10/26/06	4/30/07	AR1248-3	20µl	10ml Hexane C05E39	.2	A1606	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/.02	557	↓

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A715	10/16/06	8/2/07	AR1660-1	—	—	—	—	STSc
			TCMX/DCB	100µl	10ml Hex B45E10	0.02/0.02	S75	
			AR1016	50µl		0.5	A683	
			AR1260	↓		0.5	A684	
A716		7/3/07	AR1221-1	50µl		0.5	A647	
			TCMX/DCB	100µl		0.02/0.02	S75	
A717		~~3/2/07~~ 7/3/07	AR1232-3	20µl		0.2	A534	
		↓	TCMX/DCB	100µl		0.02/0.02	S75	
A718		5/1/07	AR1242-3	20µl		0.2	A591	
		↓	TCMX/DCB	100µl		0.02/0.02	S75	
A719		4/1/07	AR1248-1	50µl		0.5	A606	
		↓	TCMX/DCB	100µl		0.02/0.02	S75	
A720		8/2/07	AR1254-3	20µl		0.2	A673	
		↓	TCMX/DCB	100µl	↓	0.02/0.02	S75	↓
A721		~~7/3/07~~ 5/2/07	AR1221-3	20µl		0.2	A647	
	↓	↓	TCMX/DCB	100µl		0.02/0.02	S75	↓
A722	11/2/06	5/1/07	AR1242-3	20µl	10ml Hex B45E10	0.2	A591	YA
↓	↓	↓	TCMX/DCB	100µl		.02/.02	S80	
A723	11/2/06	8/2/07	AR 1254-3	20µl		0.2	A673	
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S80	↓
A724	11/3/06	5/3/07	AR1660-3	—	50ml Hex COSE39	—	—	STSc
↓	↓	↓	AR1016	100µl		0.2	A683	↓
			AR1260	100µl		0.2	A684	
↓	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	S80	↓
A725	11/16/06	4/07	AR 1248-3	20µl	10ml Hex COSE39	0.2	A606	YA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A726	11/27/06	5/27/07	Ar 1254-3	20ul	10ml hexane +	0.20	A673	mcy
			TCMX/DCB	100ul	# COSE39	.02/.02	S80	↓

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A727	11/29/06	5/1/07	AR1242-3	20µl	10ml Hex CO5E39	0.2	A591	STSc.
~~A728~~	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A728	12/6/06	6/06/07	AR1660-1		10mL Hex CO5E39	~~0.1/0.01~~ 0.02/0.02	—	GM
↓	↓	↓	TCMX/DCB	100µl	CO5E39	0.02/0.02	S80	↓
			AR1016	50µl	↓	0.5	A683	
↓	↓	↓	AR1260	50µl	↓	0.5	A684	↓
A729	12/6/06	6-6-07	AR1660-2	—	10mL Hex	—	—	GM
↓	↓	↓	TCMX/DCB	100µl	CO5E39	0.02/0.02	S80	↓
			AR1016	30µl	↓	0.3	A683	
↓	↓	↓	AR1260	30µl	↓	0.3	A684	↓
A730	12/14/06	~~6/14/07~~ 6/14/07	AR1660-3	—	50ml Hex CO5E39	—	—	YA
↓	↓	↓	AR1016	100µl	↓	.2	A683	↓
			AR1260	100µl		.2	A684	
↓	↓	↓	TCMX/DCB	500µl	↓	.02/.02	S80	↓
A731	12/15/06	1/31/07	AR1268-3	20µl	10ml Hex CO5E39	.2	A1608	YA
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S80	↓
A732	12/18/06	6/14/07	AR1660-3	—	50ml Hex CO5E39	—	—	YA
↓	↓	↓	AR1016	100µl	↓	0.2	A683	↓
			AR1260	100µl		0.2	A684	
↓	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	S80	↓
A733	12/19/06	4/30/07	AR1248-3	20µl	10ml Hex CO5E39	0.2	A1006	YA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A734	12/28/06	5/28/07	AR1254-3	20µl	10ml Hex CO5E39	0.2	A673	YA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A735	12/29/06	5/31/10	AR1016 STOCK	4X/ml	Hexane	100	Ultra Lot #CC-1221	STSc.
A736	1/3/07	~~1/3/08~~ 8/2/11 ~~1/3/07~~	AR 1254 ~~Std~~	Cracked	Hexane	100µg/ml	Ultra #CB-1796	YA
A737	1/3/07	~~7~~/3/07	AR 1254-3	20µl	10ml Hex CO5E39	0.2	A736	YA
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓

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A738	1/8/07	5/1/07	AR1242-3	20µl	Hex 10ml B45E10	0.2	A596	STec
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A739	1/12/07	1/12/08	AR 1242	cracked	Hex	100 ppm	A392	GS
A740	1/12/07	7/12/07	AR 1242-3	20µl	Hex 10ml B45E10	0.2 20µl GS 1/16/07	A739	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S80	↓
A741	1/16/07	7/16/07	AR 16660-3	—	50ml Hex B45E10	—	—	GS
			1016	100µl		0.2	A683	
			1260	100µl		0.2	A684	
			DCB/TCMX	500µl		0.02/0.02	S80	↓
A742	1/24/07	4/24/07	AR 1248-3	20µl	10ml Hexane B45E10	0.2	A1006	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S85	↓
A743	1/31/07	7/3/07	AR 1254-3	20µl	10ml Hex B45E10	0.2	A736	GS
↓	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	~~S80~~ S85 GS 1/31/07	↓
A744 ~~A744~~	2/1/07	2/1/08	AR 1260 ~~AR 16660~~ GS 2/1/07	cracked	Hexane	100	A318	GS
A745 ~~A745~~ GS 2/1/07	2/1/07	8/1/07	AR 16660-3	—	50ml Hexane B45E10	—	—	GS
			AR1016	100µl		0.2	A683	
			AR 1260	100µl		0.2	A744	
			TCMX/DCB	500µl		0.02/0.02	S85	↓
A746	3/1/07	1/31/08	AR1262 Stock	Opened	Hexane	100	A640	STec
A747		7/12/07	AR1242-3	20µl	10ml Hex B45E10	0.2	A739	
↓		↓	TCMX/DCB	100µl		0.02/0.02	S85	
A748		7/22/07	AR1262-3	20µl		0.2	A746	
↓			TCMX/DCB	100µl		0.02/0.02	S85	
A749			AR1268-3 ST 3/1/07	40 20µl		0.2	E465	
↓		↓	TCMX/DCB	100µl	↓	0.02/0.02	S85	↓
A750	3/7/07	9/30/07	AR 1232	cracked	Hexane	100 ppm	A468	GS
A751	3/7/07	9/7/07	AR 1232-3	20µl	Hex 10ml B45E10	.2	A750	GS
↓	↓	↓	TCMX/DCB	100µl	↓	.02/.02	S85	↓

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A752	3/7/07	7/3/07	AR 1221-3	20 µl	Hexane 10ml B45E10	.2	A647	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	S85	↓
A753	3/7/07	4/30/07	AR 1248-3	20 µl	Hexane 10ml B45E10	.2	A606	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	S85	↓
A754	3/15/07	4/30/07	AR 16660-3	—	Hexane 50ml C05E39	—	—	GS
↓	↓	↓	1016	100 µl	↓	.2	A683	↓
↓	↓	↓	16660	100 µl	↓	.2	A744	↓
↓	↓	↓	TCMX/DCB	500 µl	↓	.02/.02	S85	↓
A755	3/15/07	9/30/10	AR1268 Stock	Recd 3x/ml	ISOOCTANE	100	Ultra cc-2420	STG
A756	3/21/07	4/30/07	AR 1254-3	20 µl	10ml Hexane C35E10	.2	A673	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	.02/.02	S85	↓
A757	4/2/07	9/30/10	AR1248 Stock	Recd	4X/ml	100	Ultra Cat # cc-2405	STG
A758	4/10/07	7/12/07	AR 1242-3	20 µl	Hex 10ml C35E10	0.2	A739	GS
↓	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	S85	↓
A759	4/13/07	4/30/07	AR 1248-3	20 µl	Hex 10ml C35E10	0.2	A606	↓
↓	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	S85	↓
A760	4/17/07	4/17/08	AR 1248 Stock	opened	1 ml	100	Ultra Cat cc-2405	—
A761	4/17/07	7/3/07	AR 1221-1					—
↓	↓	↓	AR 1221	50 µl	Hexane B45E10 10 ml	0.5	A647	↓
↓	↓	↓	TCMX/DCBP	100 µl	10 ml	0.02/0.02	S85	↓
A762	4/17/07	7/3/07	AR 1221-2					—
↓	↓	↓	AR 1221	30 µl	10 ml	0.3	A647	↓
↓	↓	↓	TCMX/DCBP	100 µl	10 ml	0.02/0.02	S85	↓
A763	4/17/07	7/3/07	AR 1221-4					—
↓	↓	↓	AR 1221	10 µl	10 ml	0.1	A647	↓
↓	↓	↓	TCMX/DCBP	100 µl	10 ml	0.02/0.02	S85	↓
A764	4/17/07	7/3/07	AR 1221-5	5 µl	10 ml	0.05	A647	—
↓	↓	↓	TCMX/DCBP	100 µl	↓ 10 ml	0.02/0.02	S85	↓

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A765	4/17/07	~~7/17/07~~ 4/30/07	AR1232-1		Hexane B4S210 10 ml			
↓	↓	↓	AR1232	50 ul	↓	0.5	A750	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A766	↓	↓	AR1232-2	↓	↓	↓	↓	↓
↓	↓	↓	AR1232	30 ul	↓	0.3	A750	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A767	↓	↓	AR1232-4	↓	↓	↓	↓	↓
↓	↓	↓	AR1232	10 ul	↓	0.1	A750	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A768	↓	↓	AR1232-5	↓	↓	↓	↓	↓
↓	↓	↓	AR1232	5 ul	↓	0.05	A750	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A769	↓	~~7/17/07~~ 10/17/07	AR1248-1	↓	↓	↓	↓	↓
↓	↓	↓	AR1248	50 ul	↓	0.5	A760	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A770	↓	↓	AR1248-2	↓	↓	↓	↓	↓
↓	↓	↓	AR1248	30 ul	↓	0.3	A760	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A771	↓	↓	AR1248-4	↓	↓	↓	↓	↓
↓	↓	↓	AR1248	10 ul	↓	0.1	A760	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A772	↓	↓	AR1248-5	↓	↓	↓	↓	↓
↓	↓	↓	AR1248	5 ul	↓	0.05	A760	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A773	↓	~~7/17/07~~ 10/17/07	AR1262-1	↓	↓	↓	↓	↓
↓	↓	↓	AR1262	50 ul	↓	0.5	A746	↓
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓

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A774	4/16/07	~~7/22/07~~ 10/17/07	AR1262-2		Hexane B45E10 10 ml			
↓	↓	↓	AR1262	50 ul	↓	0.5	A746	↓
↓			TCMX/DCBP	100 ul		0.02/0.02	585	
A775			AR1262-4					
↓			AR-1262	10 ml		0.10	A746	
↓			TCMX/DCBP	100 ul		0.02/0.02	585	
A776			AR1262-5					
↓			AR1262	5 ml		0.05	A746	
↓	↓	↓	TCMX/DCBP	100 ul	↓	0.02/0.02	585	↓
A777	4/17/07	7/22/07	AR 1660D-3	—	Hexane 50ml B45E10	—	—	Gd
↓	↓	↓	AR1016	100 ul	↓	0.2	A683	↓
			AR1260	100 ul		0.2	A744	
			TCMX/DCB	500 ul		.02/.02	585	
A778	4/18/07	4/18/08	Aroclor 1268	opened	Isooctane 1 ml	100	~~Supelco~~ AccuStd C-242	
A779	4/18/07	9/19/07	1660 Int.		Acetone C41B24			
			Aroclor 1016	100 ml	10 ml	50	A683	
			Aroclor 1260	100 ml	10 ml	50	A744	
A780	4/18/07	7/3/07	1221 Int.		↓			
			Aroclor 1221	100 ml	10 ml	50	A647	
A781	4/18/07	9/30/07	1232 Int.	↓	↓	↓		
			Aroclor 1232				A750	
A782	4/18/07	7/12/07	1242 Int.					
			Aroclor 1242				A739	
A783	4/18/07	10/18/07	1248 Int					
			Aroclor 1248				A760	
A784	4/18/07	8/4/07	1254 Int.					
			Aroclor 1254	↓	↓	↓	A673	↓
↙								

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A785	4/18/07	9/19/07	Aroclor 1660-5S		Hexane B45E10			
		↓	1660 Int.	40 ml	10 ml	0.2	A779	
A780		7/3/07	Aroclor 1221-5S					
		↓	1221 Int.				A780	
A787		9/30/07	Aroclor 1232-5S					
		↓	1232 Int.				A781	
A788		7/12/07	Aroclor 1242-5S					
		↓	1242 Int				A782	
A789		10/18/07	Aroclor 1248-5S					
	=	↓	1248 Int				A783	
A790		8/4/07	Aroclor 1254-5S					
	↓	↓	1254 Int.	↓	↓	↓	A784	↓
A791	4/18/07	~~7/22/07~~ 10/18/07	Aroclor 1268-1		Hexane B45E10			
			AR 1268	50 ml	10 ml	0.5	A778	
			TCMX/DCBP	100 ml	10 ml	0.02/0.02	S85	
A792			Aroclor 1268-2					
			AR 1268	30 ml		0.3	A778	
			TCMX/DCBP	100 ml		0.02/0.02	S85	
A793			Aroclor 1268-4					
			AR 1268	10 ml		0.1	A778	
			TCMX/DCBP	100 ml		0.02/0.02	S85	
A794			Aroclor 1268-5					
			AR1268	5 ml		0.05	A778	
	↓	~~4/22/08~~	TCMX/DCBP	100 ml	↓	0.02/0.02	S85	↓
A795	4/20/07	~~7/22/07~~	AR1016 Stock	cracked	Hexane	100	A735	STSc.
A796		↓	AR1260 Stock	↓	↓	↓	A318	
~~A797~~		~~7/22/07~~	AR1660-5					
			TCMX/DCB					

STSc. 4/20/07

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A797	4/26/07	7/22/07	AR1660-3	—	—	—	—	STSc
	↑	↑	AR1016	100µl	Hex 50ml Lot#845210	0.2	A795	↓
			AR1260	↓	↓	0.2	A796	
	↓	↓	TCMX/DCB	500µl		0.02/0.02	S85	
A798	4/26/07	4/26/08	AR1254 Stock	open	1 ml Hex.	100	A639	
A799	4/26/07	7/22 c 10/26/07	AR1254-3		Hex. C45 EL9			
			AR1254 Stock	20 µl	10 ml	0.2	A798	↓
			TCMX/DCB P	100 µl	10 ml	0.02/0.02	S85	
A800	5/1/07	8/2/07	AR1660-1	—	10 ml Hex C45 EL9	—	—	STSc
			AR1016	50µl		0.5	A795	
			AR1260	↓		0.5	A796	
			TCMX/DCB	100µl		0.02/0.02	S89	
A801			AR1660-2	—		—	—	
			AR1016	30µl		0.3	A795	
			AR1260	↓		0.3	A796	
			TCMX/DCB	100µl		0.02/0.02	S89	
A802			AR1660-4	—		—	—	
			AR1016	10µl		0.1	A795	
			AR1260	↓		0.1	A796	
			TCMX/DCB	100µl		0.02/0.02	S89	
A803			AR1660-5	—		—	—	
			AR1016	5µl		0.05	A795	
			AR1260	↓		0.05	A796	
		↓	TCMX/DCB	100µl		0.02/0.02	S89	
A804		7/12/07	AR1242-1	50µl		0.5	A739	
		↑	TCMX/DCB	100µl		0.02/0.02	S89	
A805			AR1242-2	30µl		0.3	A739	
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S89	↓

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A806	5/1/07	7/12/07	AR1242-3	20 µl	10ml Hex C4SE69	0.2	A739	STSc.
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S89	↓
A807			AR1242-4	10µl		0.1	A739	
			TCMX/DCB	100µl		0.02/0.02	S89	
A808			AR1242-5	5µl		0.05	A739	
		↓	TCMX/DCB	100µl		0.02/0.02	S89	
A809		8/2/07	AR1248-3	20µl		0.2	A7160	
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	S89	↓
A810	5/14/07	8/2/07	AR1254-3		10 ml Hex C4SE69			—
↓	↓	↓	AR1254 Stock	20 ml	↓	0.2	A798	↓
↓	↓	↓	TCMX/DCBP	100 ml		0.02/0.02	S89	
A811	5/8/07	8/2/07	AR1660-3	—	—	—	—	STSc.
	↓	↓	AR1016	100µl	50ml Hex C4SE69	0.2	A795	↓
			AR1260	↓	↓	0.2	A796	
	↓	↓	TCMX/DCB	5200µl	↓	0.02/0.02	S89	
A812	5/14/07	7/12/07	AR1242-3		10 ml Hex C4SE69			—
	↓	↓	AR1242 Stock	20 ml	↓	0.2	A739	↓
	↓	↓	TCMX/DCBP	100 ml		0.02/0.02	S89	
A813	5/14/07	8/2/07	AR1248-3					
	↓	↓	AR1248 Stock	20 ml	↓	0.2	A7160	↓
	↓	↓	TCMX/DCBP	100 ml		0.02/0.02	S89	
A814	5/18/07	8/2/07	AR1254-3		50 ml Hex C4SE69			—
	↓	↓	AR1254 Stock	100 ml	↓	0.2	A798	↓
	↓	↓	TCMX/DCBP	500 ml		0.02/0.02	S89	
A815	5/18/07	8/2/07	AR1268-3		10 ml Hex C4SE69			
	↓	↓	AR1268 Stock	20 ml	↓	0.2	A778	↓
	↓	↓	TCMX/DCBP	100 ml		0.02/0.02	S89	

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A816	5/23/07	8/2/07	AR1660-3	—	—	—	—	STSc.
	↓	↓	AR1016-3	100 µl	50 ml Hex C4SE69	0.2	A795	↓
			AR1260-3	↓	↓	0.2	A796	
			TCMX/DCB	500 µl		0.02/0.02	589	
A817	5/31/07	7/12/07	AR1242-3		50 ml Hex C4SE69			—
	↓	↓	AR1242 Stock	100 µl	↓	0.2	A739	↓
	↓	↓	TCMX/DCBP	500 µl		0.02/0.02	589	
A818	5/31/07	8/2/07	AR1248-3		50 ml Hex C4SE69			—
	↓	↓	AR1248 Stock	100 µl	↓	0.2	A760	↓
	↓	↓	TCMX/DCBP	500 µl		0.02/0.02	589	
A819	6/14/07	8/2/07	AR1660-3		50 ml Hex C4SE69			—
	↓	↓	AR1016 Stock	100 µl	↓	0.2	A795	↓
	↓	↓	AR1260 Stock	100 µl	↓	0.2	A796	
	↓	↓	TCMX/DCBP	500 µl	↓	0.02/0.02	589	
A820	6/25/07	8/2/07	AR1660-3		50 ml Hex C4SE69			—
	↓	↓	AR1016 Stock	100 µl	↓	0.2	A795	↓
	↓	↓	AR1260 Stock	100 µl	↓	0.2	A796	
	↓	↓	TCMX/DCBP	500 µl	↓	0.02/0.02	589	
A821	7/2/07	8/2/07	AR1242-3	20 µl	10 ml Hex B4SE69	0.2	A739	STSc.
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	593	↓
A822	7/11/07	8/2/07	AR1660-3	—	50 ml Hex C4SE69	—	—	STSc.
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	593	↓
	↓	↓	1016-3	100 µl		0.2	A795	
	↓	↓	1260-3	100 µl	↓	0.2	A796	↓
A823	7/20/07	7/20/08	AR1221 Stock	Cracked	Hex	100	A638	STSc.
A824	↓	1/31/08	AR1242 Stock	Cracked	Hex	100	A392	↓
A825	↓	12/31/07	AR1221-3	20 µl	10 ml Hex B4SE69	0.2	A823	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P835-1	↓

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A826	7/20/07	9/30/07	AR1232-3	20 µl	10 ml Hex B45E69	0.2	A750	STK.
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8351	↓
A827		12/31/07	AR1242-3	20 µl		0.2	A824	
		↓	TCMX/DCB	100 µl		0.02/0.02	P8351	
A828		12/31/07	AR1248-3	20 µl		0.2	A760	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8351	
A829	7/20/07	11/30/10	AR1232 Stock	Recd	4x1/ml	100	Ultra Lot CC-3294	STK.
A830	7/24/07	12/31/07	AR1660-0.025	—	—	—	—	STK.
	↓	↓	AR1016	2.5 µl	10 ml Hex B45E69	0.025	A795	↓
			AR1260	↓	↓	0.025	A796	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8351	↓
A831	8/2/07	12/31/07	AR1660-3		50 ml Hex B45E69			—
	↓	↓	AR1016 Stock	100 ml	↓	0.2	A795	↓
			AR1260 Stock	100 ml		0.2	A796	
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓
A832	8/2/07	12/31/07	AR1254-3		50 ml Hex B45E69			—
	↓	↓	AR1254 Stock	100 ml	↓	0.2	A798	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓
A833	~~8/6/07~~ 8/2/07	12/31/07	AR1016-3		10 ml Hex B45E69			—
	↓	↓	AR1016 Stock	20 ml	↓	0.2	A795	↓
	↓	↓	TCMX/DCBP	100 ml	↓	0.02/0.02	P8351	↓
A834	8/7/07	12/31/07	AR1242-3					—
	↓	↓	AR1242 Stock	100 ml	50 ml Hex B45E69	0.2	A824	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓
A835	8/7/07	12/31/07	AR1248-3					—
	↓	↓	AR1248 Stock	100 ml	50 ml Hex B45E69	0.2	A760	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓

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A836	8/14/07	12/31/07	AR1262-3		10 ml Hex B4SE69			
	↓	↓	AR 1262 Stock	20 ml	↓	0.2	A746	↓
	↓	↓	TCMX/DCBP	100 ml	↓	0.02/0.02	P8351	↓
A837	8/14/07	12/31/07	AR1268-3		↓			
	↓	↓	AR1268 Stock	20 ml	↓	0.2	A778	↓
	↓	↓	TCMX/DCBP	100 ml	↓	0.02/0.02	P8351	↓
A838	8/22/07	12/31/07	AR1660-3	—	—	—	—	STD.
	↓	↓	AR1016	100 µl	50 ml Hex B4SE69	0.2	A795	↓
	↓	↓	AR1260	↓	↓	0.2	A796	↓
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	P8354 P8351	↓
A839	8/24/07	12/31/07	AR1254/60-3		10 ml Hex B4SE69			
	↓	↓	AR1254 Stock	20 ml	↓	0.2	A798	↓
	↓	↓	AR1260 Stock	20 ml	↓	0.2	A796	↓
	↓	↓	TCMX/DCBP	100 ml	↓	0.02/0.02	P8351	↓
A840	9/13/07	12/31/07	AR1660-3	—	—	—	—	STD.
	↓	↓	AR1016	100 µl	50 ml Hex B4SE69	0.2	A795	↓
	↓	↓	AR1260	↓	↓	0.2	A796	↓
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	P8351	↓
A841	9/17/07	12/31/07	AR1242-3		50 ml Hex B4SE69			
	↓	↓	AR1242 Stock	100 ml	↓	0.2	A824	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓
A842	9/28/07	12/31/07	AR1660-3		50 ml Hex B4SE69			
	↓	↓	AR1016 Stock	100 ml	↓	0.2	A795	↓
	↓	↓	AR1260 Stock	100 ml	↓	0.2	A796	↓
	↓	↓	TCMX/DCBP	500 µl	↓	0.02/0.02	P8351	↓
A843	10/1/07	9/10	AR1242 Stock	Rec'd	4x1 ml	100	ultra Sci. Lot: CC-2453	
A844	10/1/07	2/28/11	AR1262 Stock	Rec'd	4x1 ml	100	ultra Sci. Lot: U-2013A	
A845	10/5/07	12/31/07	AR1248-3	next page →	→	→	→	

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A845	10/5/07	12/31/07	AR-1248-3		50 ml Hex B4 5E69			
	↓	↓	AR1248 Stock	100 ml	↓	0.2	A760	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P 8351	↓
A846	10/12/07	12/31/07	AR1254-3		50ml Hex E11E69			
	↓	↓	AR1254 Stock	100 ml	↓	0.2	A798	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8351	↓
A847	10/24/07	12/31/07	AR1660-3	—	—	—	—	Stds.
	↓	↓	AR1016	100 µl	50ml Hex E11E69	0.2	~~A795~~ A848	↓
	↓	↓	AR1260	↓	↓	0.2	~~A796~~	↓
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	P8351	↓
A848	10/24/07	10/24/08	AR1016 Stock	Cracked	1ml/Hx	100	A735	Stds.
A849	↓	2/28/08	AR1260 Stock	Cracked	1ml/Hx	100	A318	↓
A850	10/25/07	12/31/07	AR1242-3	100 µl	50ml Hex E11E69	0.2	~~A824~~ A851	Stds.
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	P8351	↓
A851	10/25/07	10/25/08	AR1242 Stock	Cracked	1ml/Hx	100	A843	Stds.
A852	11/13/07	2/28/08	AR1660-3					
	↓	↓	AR1016	100 ml	50 ml Hex E11E69	0.2	A848	↓
	↓	↓	AR1260	↓	↓	↓	A849	↓
	↓	↓	TCMX/DCBP	500 ml	↓	0.02/0.02	P8374	↓
A853	11/29/07	2/28/08	AR1660-3	—	—	—	—	Stds.
	↓	↓	AR1016	100 µl	50ml Hex E11E69	0.2	A848	↓
	↓	↓	AR1260	↓	↓	0.2	A849	↓
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02	P8374	↓
A854	11/30/07	11/30/08	AR1016 Stock	Opened	1ml/Hex	100	A735	Stds.
A855	↓	2/28/08	AR1260 Stock	↓	↓	↓	A318	↓
A856	↓	2/28/08	AR1660-3	—	—	—	—	↓
	↓	↓	AR1016	100 µl	50ml Hex E11E69	0.2	A854	↓
	↓	↓	AR1260	100 µl	↓	0.2	A855	↓
	↓	↓	TCMX/DCB	500 µl	↓	0.02/0.02		↓

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A857	12/2/07	4/17/08	AR1248-3	100µl	50mL Hex EII E69	0.2	A760	STR.
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A858		2/28/08	AR1660-3	—	—	—	—	
			AR1016-3	100µl	50mL Hex EII E69	0.2	A854	
			AR1260-3	↓	↓	0.2	A849	
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A859	12/31/09	2/28/08	AR1660-3		50mL Hex EII E69			CM
↓	↓	↓	AR1016-3	100mL	↓	0.2	A854	↓
			AR1260-3	↓		0.2	A855	
↓	↓	↓	TCMX/DCB	500mL	↓	0.02/0.02	P8396	↓
A860	1/8/08	~~5/29/08~~ 5/30/08	AR1242-3	100µl	50mL Hex EII E69	0.2	A851	STR.
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A861		4/17/08	AR1248-3	100µl		0.2	A760	
		↓	TCMX/DCB	500µl		0.02/0.02	P8396	
A862		4/26/08	AR1254-3	100µl		0.2	A798	
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A863	1/8/08	1/8/09	AR1262 Stock	1x1ml Opened	Hexane	100	A844	STR.
A864	↓	5/30/08	AR1262-3	20µl	Hex EII E69	0.2	A863	↓
		↓	TCMX/DCB	100µl	↓	0.02/0.02	P8396	
A865		4/18/08	AR1268-3	20µl		0.2	A778	
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	P8396	↓
A866	1/14/08	11/30/10	AR1260 Stock	Recd 4x1/ml	Hex	100	Ultra CC-3295 Lot #	STR.
A867	1/21/08	5/30/08	AR1221-3	20µl	10mL Hex EII E69	0.2	A823	STR.
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	P8396	↓
A868	1/25/08	1/25/09	AR1260 Stock	Opened	1ml/Hex	100	A866	STR.
A869	1/25/08	7/25/08	AR1660-3	—	50mL Hex EII E69	—	—	
			AR1016	100µl		0.2	A854	
			AR1260	↓		0.2	A868	
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A870	1/29/08	2/29/08	AR1232 Stock	Opened	1ml/Hex.	100	A829	SRa.
A871	↓	5/30/08	AR1232-3	~~100~~ 20 µl	10ml Hex E11E69	0.2	A870	↓
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	P8396	↓
A872	2/25/08	5/30/08	AR1660-3	—	—	—	—	SRa.
	↓	↓	AR1016	100µl	50ml Hex E11E69	0.2	A854	↓
	↓	↓	AR1260	↓	↓	0.2	A868	↓
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A873	3/7/08	4/26/08	AR1254-3	100µl	50ml Hex E11E69	0.2	A798	SRa.
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A874	3/13/08	5/30/08	AR1660-3	—	—	—	—	SRa.
	↓	↓	AR1016	100µl	50ml Hex E11E69	0.2	A854	↓
	↓	↓	AR1260	↓	↓	↓	A868	↓
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8396	↓
A875	4/3/08	9/27/08	AR1242-3	20µl	10ml Hex E11E69	0.2	A851	SRa.
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	P8396	↓
A876	4/14/08	9/27/08	AR1660-3	—	—	—	—	SRa.
	↓	↓	TCMX/DCB	500µl	50ml Hex E11E69	0.02/0.02	P8408	↓
	↓	↓	AR1016	100µl	↓	0.2	A854	↓
	↓	↓	AR1260	↓	↓	0.2	A868	↓
A877	4/30/08	4/30/09	AR1248 Stock	Opened	1ml/Isooctane	100	A757	SRa.
A878	↓	9/27/08	AR1242-3	100µl	50ml Hex E11E69	0.2	A851	↓
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8408	↓
A879	↓	↓	AR1248-3	100µl	↓	0.2	A877	↓
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8408	↓
A880	↓	↓	AR1254-3	100µl	↓	0.2	A881	↓
	↓	↓	TCMX/DCB	500µl	↓	0.02/0.02	P8408	↓
A881	↓	4/30/09	AR1254 Stock	Opened	1ml/Hex	100	A469	↓

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A882	4/30/08	9/27/08	AR1660-1	—	—	—	—	SR.
	↓	↓	TCMX/DCB	100µl	10ml Hex E11669	0.02/002	P8408	↓
			AR1016-1	50µl	↓	0.5	A854	
			AR1260-1	↓	↓	0.5	A868	
A883			AR1660-2	—	—	—	—	
			AR1016-2	30µl	10ml Hex E11669	0.3	A854	
			AR1260-2	↓	↓	0.3	A868	
			TCMX/DCB	100µl	↓	0.02/002	P8408	
A884			AR1660-84	—	—	—	—	
			AR1016-84	10µl	10ml Hex E11669	0.1	A854	
			AR1260-4	↓	↓	0.1	A868	
			TCMX/DCB	100µl	↓	0.02/0.02	P8408	
A885			AR1660-5	—	—	—	—	
			AR1016-5	5µl	10ml Hex E11669	0.05	A854	
			AR1260-5	↓	↓	0.05	A868	
	↓	↓	TCMX/DCB	100µl	↓	0.02/002	P8408	↓
A886		10/30/08	AR1660-SS INTER.	—	—	—	—	SR.
		↓	AR1016-SS	100µl	10ml Hex G01E12	50	E532	
		↓	AR1260-SS	↓	↓		E440	
A887		9/27/08	AR1660-S.S.	—	—	—	—	
			AR1016-SS	40µl	10ml Hex G01E12	0.2	A886	
			AR1260-SS	↓	↓	0.2	↓	
	↓	↓	TCMX/DCB	100µl	↓	0.02/002	P8408	↓
A888	5/1/08	5/1/09	AR1221 Stock	Opened	1ml/Hex	100	A638	SR.
A889	↓	9/27/08	AR1221-1	50µl	10ml Hex G01E12	0.5	A888	↓
		↓	TCMX/DCB	100µl	↓	0.02/0.02	P8408	
A890			AR1221-2	30µl	↓	0.3	A888	
	↓	↓	TCMX/DCB	100µl	↓	0.02/0.02	P8408	↓

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A891	5/1/08	9/27/08	AR1221-3	20µl	10ml Hex GOIEI2	0.2	A888	Stu.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A892			AR1221-4	10µl		0.1	A888	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A893			AR1221-5	5µl		0.05	A888	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A894		10/1/08	AR1221-5S.INTER	100µl		50	E471	
A895		9/27/08	AR1221-5.S.	40µl		0.2	A894	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A896	5/8/08	9/27/08	AR1232-1	50µl	10ml Hex GOIEI2	0.5	A870	Stu.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A897			AR1232-2	30µl		0.3	A870	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A898			AR1232-3	20µl		0.2	A870	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A899			AR1232-4	10µl		0.1	A870	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A900			AR1232-5	5µl		0.05	A870	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A901			AR1232-5.S.INTER	100µl		50	E472	
A902			AR1232-5.S.	40µl		0.2	A901	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A903	5/12/08	9/27/08	AR1242-1	50ml	10ml Hex GOIEI2	0.5	A851	Stu.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A904			AR1242-2	30ml		0.3	A851	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A905			AR1242-3	20µl		0.2	A851	
			TCMX/DCB	100µl		0.02/0.02	P8408	

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A906	5/12/08	9/27/08	AR1242-4	10µl	10ml Hex GOLEI2	0.1	A851	STSc.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A907			AR1254-5	5µl		0.05	A857	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A908		11/12/08	AR1242-S.S./INTER	100µl		50	E473	
A909		9/27/08	AR1242-S.S.	40µl		0.2	A908	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A910	5/13/08	9/27/08	AR1248-1	50µl	10ml Hex GOLEI2	0.5	A877	STSc.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A911			AR1248-2	30µl		0.3	A877	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A912			AR1248-3	20µl		0.2	A877	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A913			AR1248-4	10µl		0.1	A877	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A914			AR1248-5	5µl		0.05	A877	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A915		11/13/08	AR1248-SS INTER.	100µl		50	E474	
A916		9/27/08	AR1248-S.S.	40µl		0.2	A915	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A917	5/13/08	9/27/08	AR1254-1	50µl	10ml Hex GOLEI2	0.5	A881	STSc.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A918			AR1254-2	30µl		0.3	A881	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A919			AR1254-3	20µl		0.2	A881	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A920			AR1254-4	10µl		0.1	A881	
			TCMX/DCB	100µl		0.02/0.02	P8408	

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A921	5/13/08	9/27/08	AR1254-5	5 µl	10 ml Hex 60/E12	0.05	A851	STSa.
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8408	↓
A922		11/13/08	AR1254-SS. INTER	100 µl		50	E475	
A923		9/27/08	AR1254-S.S.	40 µl		0.2	A922	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8408	↓
A924	5/14/08	9/27/08	AR1262-1	50 µl	10 ml Hex 60/E12	0.5	A863	STSa.
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8408	↓
A925			AR1262-2	30 µl		0.3	A863	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A926			AR1262-3	20 µl		0.2	A863	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A927			AR1262-4	10 µl		0.1	A863	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A928			AR1262-5	5 µl		0.05	A863	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8408	↓
A929	5/14/08	5/14/09	AR1268 STOCK	Opened	1 ml/Isooct.	100	A755	STSa.
A930		9/27/08	AR1268-1	50 µl	10 ml Hex 60/E12	0.5	A929	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A931			AR1268-2	30 µl		0.3	A929	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A932			AR1268-3	20 µl		0.2	A929	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A933			AR1268-4	10 µl		0.1	A929	
			TCMX/DCB	100 µl		0.02/0.02	P8408	
A934			AR1268-5	5 µl		0.05	A929	
	↓	↓	TCMX/DCB	100 µl	↓	0.02/0.02	P8408	↓

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A935	5/20/08	9/27/08	AR1660-3	—	—	—	—	STSC.
			AR1016	100µl	50ml Hex&DIE12	0.2	A854	
			AR1260	↓			A868	
			TCMX/DCB	500µl		0.02/0.02	P8408	
A936	6/3/08	9/27/08	AR1242-3	20µl	10ml Hex&DIE12	0.2	A851	STSC.
			TCMX/DCB	100µl		0.02/0.02	P8408	
A937			AR1248-3	20µl		0.2	A877	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A938			AR1254-3	20µl		0.2	A881	
			TCMX/DCB	100µl		0.02/0.02	P8408	
A939	6/23/08	11/7/08	AR1660-3	—	—	—	—	STSC.
			AR1016	100µl	50ml Hex&DIE12	0.2	A854	
			AR1260	↓		0.2	A868	
			TCMX/DCB	500µl		0.02/0.02	P8422	
A940		10/25/08	AR1242-3	100µl		0.2	A851	
			TCMX/DCB	500µl		0.02/0.02	P8422	
A941		11/7/08	AR1248-3	100µl		0.2	A877	
			TCMX/DCB	500µl		0.02/0.02	P8422	
A942			AR1254-3	100µl		0.2	A881	
			TCMX/DCB	500µl		0.02/0.02	P8422	
A943	8/6/08	11/7/08	AR1660-3	—	—	—	—	STSC.
			AR1016	100µl	50ml Hex&DIE12	0.2	A854	
			AR1260	↓		0.2	A868	
			TCMX/DCB	500µl		0.02/0.02	P8422	
A944	9/15/08	11/7/08	AR1660-3	—	—	—	—	STSC.
			AR1016	100µl	50ml Hex&DIE12	0.2	A854	
			AR1260	↓		0.2	A868	
			TCMX/DCB	500µl		0.02/0.02	P8422	

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GC SEMIVOLATILE STANDARDS LOG

ID#	PREP DATE	EXP DATE	PARAMETER	WEIGHTS & VOLUMES	SOLVENTS & VOLUMES	CONC. (ug/ml)	STANDARD SOURCE	MADE BY
A945	9/23/08	9/23/09	AR1016 Stock	Opened	10 ml	100	A735	STec.
A946	↓	11/7/08	AR1660-1	—	—	—	—	STec.
		↓	AR1016	50 µl	10 ml	0.5	A945	↓
			AR1260	↓	↓	↓	A868	
			TCMX/DCB	100 µl	↓	0.02/0.02	P8422	

Supervisor Review: _____ Page #

Trace Metals Data

Analytical Results

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-1***
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93446
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.064	J	0.10	0.040	mg/L	1	10/24/08 15:43
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 15:43
Arsenic	ND		0.010	0.0040	mg/L	1	10/24/08 15:43
Barium	0.33		0.10	0.00054	mg/L	1	10/24/08 15:43
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 15:43
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 15:43
Calcium	210		1.0	0.040	mg/L	1	10/24/08 15:43
Chromium	0.0022	J	0.010	0.0014	mg/L	1	10/24/08 15:43
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 15:43
Copper	ND		0.010	0.0019	mg/L	1	10/24/08 15:43
Iron	1.8		0.050	0.0050	mg/L	1	10/24/08 15:43
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 15:43
Magnesium	33		1.0	0.040	mg/L	1	10/24/08 15:43
Manganese	0.55		0.050	0.0015	mg/L	1	10/24/08 15:43
Nickel	0.0023	J	0.050	0.0011	mg/L	1	10/24/08 15:43
Potassium	7.3		5.0	0.068	mg/L	1	10/24/08 15:43
Selenium	ND		0.010	0.0026	mg/L	1	10/24/08 15:43
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 15:43
Sodium	790		1.0	0.040	mg/L	1	10/24/08 15:43
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 15:43
Vanadium	ND		0.050	0.00066	mg/L	1	10/24/08 15:43
Zinc	0.013	J	0.020	0.0040	mg/L	1	10/24/08 15:43

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93447
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	2.9		0.10	0.040	mg/L	1	10/24/08 15:47
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 15:47
Arsenic	ND		0.010	0.0040	mg/L	1	10/24/08 15:47
Barium	0.26		0.10	0.00054	mg/L	1	10/24/08 15:47
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 15:47
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 15:47
Calcium	110		1.0	0.040	mg/L	1	10/24/08 15:47
Chromium	0.0066	J	0.010	0.0014	mg/L	1	10/24/08 15:47
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 15:47
Copper	0.0080	J	0.010	0.0019	mg/L	1	10/24/08 15:47
Iron	4.4		0.050	0.0050	mg/L	1	10/24/08 15:47
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 15:47
Magnesium	24		1.0	0.040	mg/L	1	10/24/08 15:47
Manganese	0.13		0.050	0.0015	mg/L	1	10/24/08 15:47
Nickel	0.0063	J	0.050	0.0011	mg/L	1	10/24/08 15:47
Potassium	6.1		5.0	0.068	mg/L	1	10/24/08 15:47
Selenium	0.0089	J	0.010	0.0026	mg/L	1	10/24/08 15:47
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 15:47
Sodium	1100		1.0	0.040	mg/L	1	10/24/08 15:47
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 15:47
Vanadium	0.0056	J	0.050	0.00066	mg/L	1	10/24/08 15:47
Zinc	0.036		0.020	0.0040	mg/L	1	10/24/08 15:47

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93452
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.31		0.10	0.040	mg/L	1	10/24/08 16:04
Antimony	0.0026 J		0.060	0.0015	mg/L	1	10/24/08 16:04
Arsenic	0.030		0.010	0.0040	mg/L	1	10/24/08 16:04
Barium	0.26		0.10	0.00054	mg/L	1	10/24/08 16:04
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:04
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:04
Calcium	300		1.0	0.040	mg/L	1	10/24/08 16:04
Chromium	0.0021 J		0.010	0.0014	mg/L	1	10/24/08 16:04
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:04
Copper	0.0060 J		0.010	0.0019	mg/L	1	10/24/08 16:04
Iron	31		0.050	0.0050	mg/L	1	10/24/08 16:04
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:04
Magnesium	27		1.0	0.040	mg/L	1	10/24/08 16:04
Manganese	0.65		0.050	0.0015	mg/L	1	10/24/08 16:04
Nickel	0.0047 J		0.050	0.0011	mg/L	1	10/24/08 16:04
Potassium	9.9		5.0	0.068	mg/L	1	10/24/08 16:04
Selenium	0.0027 J		0.010	0.0026	mg/L	1	10/24/08 16:04
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:04
Sodium	14		1.0	0.040	mg/L	1	10/24/08 16:04
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:04
Vanadium	0.0014 J		0.050	0.00066	mg/L	1	10/24/08 16:04
Zinc	0.084		0.020	0.0040	mg/L	1	10/24/08 16:04

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93453
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.76		0.10	0.040	mg/L	1	10/24/08 16:08
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 16:08
Arsenic	0.011		0.010	0.0040	mg/L	1	10/24/08 16:08
Barium	0.33		0.10	0.00054	mg/L	1	10/24/08 16:08
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:08
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:08
Calcium	250		1.0	0.040	mg/L	1	10/24/08 16:08
Chromium	0.0034	J	0.010	0.0014	mg/L	1	10/24/08 16:08
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:08
Copper	0.0078	J	0.010	0.0019	mg/L	1	10/24/08 16:08
Iron	12		0.050	0.0050	mg/L	1	10/24/08 16:08
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:08
Magnesium	33		1.0	0.040	mg/L	1	10/24/08 16:08
Manganese	0.38		0.050	0.0015	mg/L	1	10/24/08 16:08
Nickel	0.0038	J	0.050	0.0011	mg/L	1	10/24/08 16:08
Potassium	12		5.0	0.068	mg/L	1	10/24/08 16:08
Selenium	0.0050	J	0.010	0.0026	mg/L	1	10/24/08 16:08
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:08
Sodium	34		1.0	0.040	mg/L	1	10/24/08 16:08
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:08
Vanadium	0.0026	J	0.050	0.00066	mg/L	1	10/24/08 16:08
Zinc	0.033		0.020	0.0040	mg/L	1	10/24/08 16:08

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/23/08 10:37
ColumnID:		**%Moisture:**	**BatchNo:** 8322/R15287
Revision:	10/27/08 9:42	**TestCode:** 6010W05	**FileID:** 1-SAMP-93454
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	1.8		0.10	0.040	mg/L	1	10/24/08 16:11
Antimony	ND		0.060	0.0015	mg/L	1	10/24/08 16:11
Arsenic	0.0094	J	0.010	0.0040	mg/L	1	10/24/08 16:11
Barium	0.36		0.10	0.00054	mg/L	1	10/24/08 16:11
Beryllium	ND		0.010	0.00010	mg/L	1	10/24/08 16:11
Cadmium	ND		0.010	0.00042	mg/L	1	10/24/08 16:11
Calcium	250		1.0	0.040	mg/L	1	10/24/08 16:11
Chromium	0.0058	J	0.010	0.0014	mg/L	1	10/24/08 16:11
Cobalt	ND		0.050	0.0060	mg/L	1	10/24/08 16:11
Copper	0.0038	J	0.010	0.0019	mg/L	1	10/24/08 16:11
Iron	13		0.050	0.0050	mg/L	1	10/24/08 16:11
Lead	ND		0.010	0.0040	mg/L	1	10/24/08 16:11
Magnesium	34		1.0	0.040	mg/L	1	10/24/08 16:11
Manganese	0.41		0.050	0.0015	mg/L	1	10/24/08 16:11
Nickel	0.0044	J	0.050	0.0011	mg/L	1	10/24/08 16:11
Potassium	13		5.0	0.068	mg/L	1	10/24/08 16:11
Selenium	0.0062	J	0.010	0.0026	mg/L	1	10/24/08 16:11
Silver	ND		0.010	0.00090	mg/L	1	10/24/08 16:11
Sodium	36		1.0	0.040	mg/L	1	10/24/08 16:11
Thallium	ND		0.020	0.0059	mg/L	1	10/24/08 16:11
Vanadium	0.0050	J	0.050	0.00066	mg/L	1	10/24/08 16:11
Zinc	0.026		0.020	0.0040	mg/L	1	10/24/08 16:11

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/28/08 13:04 399366 **Project Supervisor:** Anthony Crescenzi

QC Summary

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: ICVH	SampType: ICVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	15287
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo:	399332
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	49.8	1.0	50	0	100	90	110				
Chromium	5.09	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.0	0.050	10	0	100	90	110				
Lead	10.1	0.010	10	0	101	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.9	1.0	50	0	100	90	110				
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: ICV	SampType: ICV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	15287
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo:	399333
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.01	0.10	1	0	101	90	110				
Antimony	0.208	0.060	0.2	0	104	90	110				
Arsenic	0.203	0.010	0.2	0	101	90	110				
Barium	0.194	0.10	0.2	0	97	90	110				
Beryllium	0.204	0.010	0.2	0	102	90	110				
Cadmium	0.199	0.010	0.2	0	99	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.203	0.010	0.2	0	102	90	110				
Cobalt	0.199	0.050	0.2	0	100	90	110				
Copper	0.201	0.010	0.2	0	100	90	110				
Iron	1.03	0.050	1	0	103	90	110				
Lead	0.202	0.010	0.2	0	101	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.201	0.050	0.2	0	101	90	110				
Nickel	0.204	0.050	0.2	0	102	90	110				
Potassium	9.84	5.0	10	0	98	90	110				
Selenium	0.200	0.010	0.2	0	100	90	110				
Silver	0.0481	0.010	0.05	0	96	90	110				
Sodium	10.0	1.0	10	0	100	90	110				
Thallium	0.201	0.020	0.2	0	101	90	110				
Vanadium	0.203	0.050	0.2	0	101	90	110				
Zinc	0.202	0.020	0.2	0	101	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCV/IPC	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	15287
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo:	399334
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.98	0.10	5	0	100	90	110				
Antimony	0.502	0.060	0.5	0	100	90	110				
Arsenic	0.507	0.010	0.5	0	101	90	110				
Barium	0.503	0.10	0.5	0	101	90	110				
Beryllium	0.505	0.010	0.5	0	101	90	110				
Cadmium	0.508	0.010	0.5	0	102	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.505	0.010	0.5	0	101	90	110				
Cobalt	0.505	0.050	0.5	0	101	90	110				
Copper	0.497	0.010	0.5	0	99	90	110				
Iron	1.00	0.050	1	0	100	90	110				
Lead	0.502	0.010	0.5	0	100	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.502	0.050	0.5	0	100	90	110				
Nickel	0.508	0.050	0.5	0	102	90	110				
Potassium	9.91	5.0	10	0	99	90	110				
Selenium	0.495	0.010	0.5	0	99	90	110				
Silver	0.246	0.010	0.25	0	98	90	110				
Sodium	10.0	1.0	10	0	100	90	110				
Thallium	0.502	0.020	0.5	0	100	90	110				
Vanadium	0.500	0.050	0.5	0	100	90	110				
Zinc	0.503	0.020	0.5	0	101	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **ICB**	SampType: **ICB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**15287**
Client ID: **ZZZZZ**	Batch ID: **R15287**	Method: **SW6010B**		Analysis Date: **10/24/2008**		SeqNo:	**399335**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCVH1	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	15287
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo:	399345
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	49.1	1.0	50	0	98	90	110				
Chromium	5.02	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	9.88	0.050	10	0	99	90	110				
Lead	9.98	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.3	1.0	50	0	99	90	110				
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCV1	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo: 15287			
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo: 399346			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.91	0.10	5	0	98	90	110				
Antimony	0.496	0.060	0.5	0	99	90	110				
Arsenic	0.500	0.010	0.5	0	100	90	110				
Barium	0.494	0.10	0.5	0	99	90	110				
Beryllium	0.497	0.010	0.5	0	99	90	110				
Cadmium	0.501	0.010	0.5	0	100	90	110				
Calcium	9.96	1.0	10	0	100	90	110				
Chromium	0.499	0.010	0.5	0	100	90	110				
Cobalt	0.498	0.050	0.5	0	100	90	110				
Copper	0.489	0.010	0.5	0	98	90	110				
Iron	0.992	0.050	1	0	99	90	110				
Lead	0.500	0.010	0.5	0	100	90	110				
Magnesium	9.96	1.0	10	0	100	90	110				
Manganese	0.494	0.050	0.5	0	99	90	110				
Nickel	0.500	0.050	0.5	0	100	90	110				
Potassium	9.85	5.0	10	0	99	90	110				
Selenium	0.488	0.010	0.5	0	98	90	110				
Silver	0.242	0.010	0.25	0	97	90	110				
Sodium	10.0	1.0	10	0	100	90	110				
Thallium	0.495	0.020	0.5	0	99	90	110				
Vanadium	0.493	0.050	0.5	0	99	90	110				
Zinc	0.498	0.020	0.5	0	100	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCB1	SampType: CCB	TestCode: 6010W05	Units: mg/L	Prep Date:			RunNo:	15287	
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008			SeqNo:	399347	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCVH2	SampType:	CCVH	TestCode:	6010W05	Units:	mg/L	Prep Date:	RunNo: 15287
Client ID:	ZZZZZ	Batch ID:	R15287	Method:	SW6010B			Analysis Date: 10/24/2008	SeqNo: 399355
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	49.2	1.0	50	0	98	90	110				
Chromium	5.01	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	9.90	0.050	10	0	99	90	110				
Lead	10.0	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.5	1.0	50	0	99	90	110				
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: CCV2 SampType: CCV TestCode: 6010W05 Units: mg/L Prep Date: RunNo: 15287

Client ID: ZZZZZ Batch ID: R15287 Method: SW6010B Analysis Date: 10/24/2008 SeqNo: 399356

Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.95	0.10	5	0	99	90	110				
Antimony	0.502	0.060	0.5	0	100	90	110				
Arsenic	0.502	0.010	0.5	0	100	90	110				
Barium	0.498	0.10	0.5	0	100	90	110				
Beryllium	0.500	0.010	0.5	0	100	90	110				
Cadmium	0.504	0.010	0.5	0	101	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.502	0.010	0.5	0	100	90	110				
Cobalt	0.501	0.050	0.5	0	100	90	110				
Copper	0.493	0.010	0.5	0	99	90	110				
Iron	0.998	0.050	1	0	100	90	110				
Lead	0.503	0.010	0.5	0	101	90	110				
Magnesium	10.0	1.0	10	0	100	90	110				
Manganese	0.496	0.050	0.5	0	99	90	110				
Nickel	0.505	0.050	0.5	0	101	90	110				
Potassium	9.92	5.0	10	0	99	90	110				
Selenium	0.494	0.010	0.5	0	99	90	110				
Silver	0.244	0.010	0.25	0	97	90	110				
Sodium	10.1	1.0	10	0	101	90	110				
Thallium	0.499	0.020	0.5	0	100	90	110				
Vanadium	0.497	0.050	0.5	0	99	90	110				
Zinc	0.501	0.020	0.5	0	100	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **CCB2**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**15287**
Client ID: **ZZZZZ**	Batch ID: **R15287**	Method: **SW6010B**		Analysis Date: **10/24/2008**		SeqNo:	**399357**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCVH3	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo: 15287			
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo: 399368			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	48.8	1.0	50	0	98	90	110				
Chromium	4.98	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	9.84	0.050	10	0	98	90	110				
Lead	9.99	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.3	1.0	50	0	99	90	110				
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCV3	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo: 15287			
Client ID: ZZZZZ	Batch ID: R15287	Method: SW6010B		Analysis Date: 10/24/2008		SeqNo: 399369			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.96	0.10	5	0	99	90	110				
Antimony	0.495	0.060	0.5	0	99	90	110				
Arsenic	0.504	0.010	0.5	0	101	90	110				
Barium	0.499	0.10	0.5	0	100	90	110				
Beryllium	0.500	0.010	0.5	0	100	90	110				
Cadmium	0.504	0.010	0.5	0	101	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.502	0.010	0.5	0	100	90	110				
Cobalt	0.500	0.050	0.5	0	100	90	110				
Copper	0.495	0.010	0.5	0	99	90	110				
Iron	0.999	0.050	1	0	100	90	110				
Lead	0.499	0.010	0.5	0	100	90	110				
Magnesium	10.0	1.0	10	0	100	90	110				
Manganese	0.496	0.050	0.5	0	99	90	110				
Nickel	0.505	0.050	0.5	0	101	90	110				
Potassium	9.96	5.0	10	0	100	90	110				
Selenium	0.488	0.010	0.5	0	98	90	110				
Silver	0.244	0.010	0.25	0	98	90	110				
Sodium	10.1	1.0	10	0	101	90	110				
Thallium	0.497	0.020	0.5	0	99	90	110				
Vanadium	0.497	0.050	0.5	0	99	90	110				
Zinc	0.507	0.020	0.5	0	101	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: CCB3 SampType: CCB TestCode: 6010W05 Units: mg/L Prep Date: RunNo: 15287
Client ID: ZZZZZ Batch ID: R15287 Method: SW6010B Analysis Date: 10/24/2008 SeqNo: 399370
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **CCVH4**	SampType: **CCVH**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**15287**
Client ID: **ZZZZZ**	Batch ID: **R15287**	Method: **SW6010B**		Analysis Date:	**10/24/2008**	SeqNo:	**399375**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.171	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	49.3	1.0	50	0	99	90	110				
Chromium	5.02	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	9.97	0.050	10	0	100	90	110				
Lead	10.0	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.7	1.0	50	0	99	90	110				
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **CCV4**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**15287**
Client ID: **ZZZZZ**	Batch ID: **R15287**	Method: **SW6010B**		Analysis Date:	**10/24/2008**	SeqNo:	**399376**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.93	0.10	5	0	99	90	110				
Antimony	0.497	0.060	0.5	0	99	90	110				
Arsenic	0.503	0.010	0.5	0	101	90	110				
Barium	0.496	0.10	0.5	0	99	90	110				
Beryllium	0.499	0.010	0.5	0	100	90	110				
Cadmium	0.504	0.010	0.5	0	101	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.502	0.010	0.5	0	100	90	110				
Cobalt	0.500	0.050	0.5	0	100	90	110				
Copper	0.491	0.010	0.5	0	98	90	110				
Iron	0.998	0.050	1	0	100	90	110				
Lead	0.502	0.010	0.5	0	100	90	110				
Magnesium	9.96	1.0	10	0	100	90	110				
Manganese	0.495	0.050	0.5	0	99	90	110				
Nickel	0.505	0.050	0.5	0	101	90	110				
Potassium	9.93	5.0	10	0	99	90	110				
Selenium	0.492	0.010	0.5	0	98	90	110				
Silver	0.243	0.010	0.25	0	97	90	110				
Sodium	10.1	1.0	10	0	101	90	110				
Thallium	0.498	0.020	0.5	0	100	90	110				
Vanadium	0.496	0.050	0.5	0	99	90	110				
Zinc	0.500	0.020	0.5	0	100	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCB4	SampType:	CCB	TestCode:	6010W05	Units:	mg/L	Prep Date:			RunNo:	15287	
Client ID:	ZZZZZ	Batch ID:	R15287	Method:	SW6010B			Analysis Date:	10/24/2008		SeqNo:	399377	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Aluminum				100.0	112.93	112.9		
Antimony				60.0	63.20	105.3		
Arsenic				10.0	9.74	97.4		
Barium				100.0	96.97	97.0		
Beryllium				10.0	9.97	99.7		
Cadmium				10.0	8.63	86.3		
Calcium				1000.0	1011.15	101.1		
Chromium				10.0	10.16	101.6		
Cobalt				50.0	49.17	98.3		
Copper				10.0	10.10	101.0		
Iron				50.0	51.31	102.6		
Lead				10.0	10.15	101.5		
Magnesium				1000.0	1034.34	103.4		
Manganese				50.0	50.45	100.9		
Nickel				50.0	50.45	100.9		
Potassium				5000.0	4921.22	98.4		
Selenium				10.0	12.39	123.9		
Silver				10.0	9.90	99.0		
Sodium				1000.0	1003.18	100.3		
Strontium				50.0	51.28	102.6		
Thallium				20.0	17.47	87.3		
Vanadium				50.0	50.11	100.2		
Zinc				20.0	20.65	103.3		

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **MB-8322**	SampType: **MBLK**	TestCode: **6010W05**	Units: **mg/L**		Prep Date: **10/23/2008**		RunNo: **15287**		
Client ID: **ZZZZZ**	Batch ID: **8322**	Method: **SW6010B**	**(SW3005A)**		Analysis Date: **10/24/2008**		SeqNo: **399344**		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.020									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

ICP ID Number: ICAP 61E ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	492913	485107.0	97.0	484827	480987.0	96.2
Antimony	0	600	2	613.1	102.2	0	606.4	101.1
Arsenic	0	100	-1	97.3	97.3	0	98.0	98.0
Barium	0	500	-1	487.8	97.6	-1	485.2	97.0
Beryllium	0	500	0	479.8	96.0	0	475.3	95.1
Boron	0	500	2	489.3	97.9	2	484.2	96.8
Cadmium	0	1000	0	893.7	89.4	0	882.5	88.3
Calcium	500000	500000	506584	500302.4	100.1	495901	494197.9	98.8
Chromium	0	500	-2	469.4	93.9	-2	462.7	92.5
Cobalt	0	500	-2	454.5	90.9	-3	448.0	89.6
Copper	0	500	-2	515.2	103.0	-1	511.4	102.3
Iron	200000	200000	185516	183321.3	91.7	181852	181316.7	90.7
Lead	0	50	4	49.3	98.6	3	48.1	96.2
Magnesium	500000	500000	510438	503159.6	100.6	499282	496591.2	99.3
Manganese	0	500	0	472.6	94.5	0	466.8	93.4
Molybdenum	0	500	0	454.7	90.9	1	450.3	90.1
Nickel	0	1000	-1	920.3	92.0	0	907.0	90.7
Potassium	0	5000	-35	5012.5	100.3	-62	4956.0	99.1
Selenium	0	50	1	46.1	92.2	0	47.3	94.5
Silver	0	200	-1	197.6	98.8	0	196.0	98.0
Sodium	0	1000	-12	950.0	95.0	6	955.3	95.5
Strontium	0	500	0	494.0	98.8	0	488.5	97.7
Thallium	0	100	8	104.8	104.8	1	98.9	98.9
Tin	0	500	4	467.1	93.4	1	459.3	91.9
Titanium	0	500	2	480.8	96.2	2	476.7	95.3
Vanadium	0	500	0	480.4	96.1	1	475.7	95.1
Zinc	0	1000	1	968.2	96.8	1	959.9	96.0

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
CLIENT: Beardsley Design Associates **Project:** Brown Mfg Brownsfield, NY

Sample ID: **0810110-002CMS**	SampType: **MS**	TestCode: **6010W05**	Units: **mg/L**	Prep Date: **10/23/2008**	RunNo: **15287**		
Client ID: **MW-2**	Batch ID: **8322**	Method: **SW6010B**	**(SW3005A)**	Analysis Date: **10/24/2008**	SeqNo: **399360**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3.83	0.10	1	2.9	94	80	122				
Antimony	0.206	0.060	0.2	0	103	80	120				
Arsenic	0.203	0.010	0.2	0	102	80	120				
Barium	0.451	0.10	0.2	0.263	94	77	122				
Beryllium	0.196	0.010	0.2	0	98	80	120				
Cadmium	0.188	0.010	0.2	0	94	80	120				
Calcium	120	1.0	10	111	97	60	140				
Chromium	0.199	0.010	0.2	0.00664	96	80	120				
Cobalt	0.191	0.050	0.2	0	95	78	120				
Copper	0.209	0.010	0.2	0.00805	100	80	120				
Iron	5.41	0.050	1	4.45	96	67	130				
Lead	0.196	0.010	0.2	0	98	80	120				
Magnesium	33.1	1.0	10	23.7	94	73	120				
Manganese	0.320	0.050	0.2	0.126	97	77	120				
Nickel	0.201	0.050	0.2	0.0063	98	80	120				
Potassium	18.3	5.0	10	6.07	122	78	140				
Selenium	0.205	0.010	0.2	0.00894	98	76	121				
Silver	0.0481	0.010	0.05	0	96	80	120				
Sodium	1080	1.0	10	1070	136	60	140				
Thallium	0.191	0.020	0.2	0	96	76	120				
Vanadium	0.202	0.050	0.2	0.00564	98	80	120				
Zinc	0.239	0.020	0.2	0.0359	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002CMSD**	SampType: **MSD**	TestCode: **6010W05**	Units: **mg/L**	Prep Date: **10/23/2008**	RunNo: **15287**		
Client ID: **MW-2**	Batch ID: **8322**	Method: **SW6010B**	**(SW3005A)**	Analysis Date: **10/24/2008**	SeqNo: **399361**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.03	0.10	1	2.9	114	80	122	3.83	5	10	
Antimony	0.210	0.060	0.2	0	105	80	120	0.206	2	10	
Arsenic	0.208	0.010	0.2	0	104	80	120	0.203	2	10	
Barium	0.458	0.10	0.2	0.263	98	77	122	0.451	1	10	
Beryllium	0.200	0.010	0.2	0	100	80	120	0.196	2	10	
Cadmium	0.193	0.010	0.2	0	96	80	120	0.188	2	10	
Calcium	122	1.0	10	111	112	60	140	120	1	10	
Chromium	0.204	0.010	0.2	0.00664	98	80	120	0.199	2	10	
Cobalt	0.196	0.050	0.2	0	98	78	120	0.191	3	10	
Copper	0.213	0.010	0.2	0.00805	102	80	120	0.209	2	10	
Iron	5.53	0.050	1	4.45	108	67	130	5.41	2	10	
Lead	0.199	0.010	0.2	0	99	80	120	0.196	1	10	
Magnesium	33.6	1.0	10	23.7	99	73	120	33.1	2	10	
Manganese	0.325	0.050	0.2	0.126	99	77	120	0.32	1	10	
Nickel	0.206	0.050	0.2	0.0063	100	80	120	0.201	2	10	
Potassium	18.7	5.0	10	6.07	126	78	140	18.3	2	10	
Selenium	0.208	0.010	0.2	0.00894	100	76	121	0.205	2	10	
Silver	0.0488	0.010	0.05	0	98	80	120	0.0481	1	10	
Sodium	1090	1.0	10	1070	211	60	140	1080	1	10	S
Thallium	0.201	0.020	0.2	0	100	76	120	0.191	5	11	
Vanadium	0.206	0.050	0.2	0.00564	100	80	120	0.202	2	10	
Zinc	0.244	0.020	0.2	0.0359	104	80	120	0.239	2	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: 0810110-002C	SampType: PDS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/23/2008	RunNo: 15287				
Client ID: MW-2	Batch ID: 8322	Method: SW6010B	(SW3005A)	Analysis Date: 10/24/2008	SeqNo: 399363				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	3.83	0.10	1	2.9	94	75	125				
Antimony	0.203	0.060	0.2	0	102	75	125				
Arsenic	0.201	0.010	0.2	0	100	75	125				
Barium	0.443	0.10	0.2	0.263	90	75	125				
Beryllium	0.193	0.010	0.2	0	96	75	125				
Cadmium	0.185	0.010	0.2	0	93	75	125				
Calcium	118	1.0	10	111	73	75	125				S
Chromium	0.204	0.010	0.2	0.00664	99	75	125				
Cobalt	0.188	0.050	0.2	0	94	75	125				
Copper	0.206	0.010	0.2	0.00805	99	75	125				
Iron	5.36	0.050	1	4.45	91	75	125				
Lead	0.193	0.010	0.2	0	97	75	125				
Magnesium	32.5	1.0	10	23.7	88	75	125				
Manganese	0.314	0.050	0.2	0.126	94	75	125				
Nickel	0.201	0.050	0.2	0.0063	98	75	125				
Potassium	18.1	5.0	10	6.07	120	75	125				
Selenium	0.200	0.010	0.2	0.00894	96	75	125				
Silver	0.0474	0.010	0.05	0	95	75	125				
Sodium	1060	1.0	10	1070	0	75	125				S
Thallium	0.191	0.020	0.2	0	96	75	125				
Vanadium	0.198	0.050	0.2	0.00564	96	75	125				
Zinc	0.240	0.020	0.2	0.0359	102	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: LCS-8322 SampType: LCS TestCode: 6010W05 Units: mg/L Prep Date: 10/23/2008 RunNo: 15287
Client ID: ZZZZZ Batch ID: 8322 Method: SW6010B (SW3005A) Analysis Date: 10/24/2008 SeqNo: 399348
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.03	0.10	1	0	103	85	115				
Antimony	0.213	0.060	0.2	0	107	85	115				
Arsenic	0.208	0.010	0.2	0	104	85	115				
Barium	0.198	0.10	0.2	0	99	85	115				
Beryllium	0.208	0.010	0.2	0	104	85	115				
Cadmium	0.203	0.010	0.2	0	101	85	115				
Calcium	10.3	1.0	10	0	103	85	115				
Chromium	0.207	0.010	0.2	0	103	85	115				
Cobalt	0.204	0.050	0.2	0	102	85	115				
Copper	0.205	0.010	0.2	0	102	85	115				
Iron	1.05	0.050	1	0	105	85	115				
Lead	0.205	0.010	0.2	0	103	85	115				
Magnesium	10.3	1.0	10	0	103	85	115				
Manganese	0.205	0.050	0.2	0	103	85	115				
Nickel	0.209	0.050	0.2	0	104	85	115				
Potassium	10.3	5.0	10	0	103	85	115				
Selenium	0.206	0.010	0.2	0	103	85	115				
Silver	0.0488	0.010	0.05	0	98	85	115				
Sodium	10.4	1.0	10	0	104	85	115				
Thallium	0.207	0.020	0.2	0	104	85	115				
Vanadium	0.207	0.050	0.2	0	103	85	115				
Zinc	0.213	0.020	0.2	0	106	85	115				

Qualifiers:
B Analyte detected in the associated Method Blank
ND Not Detected at the Practical Quantitation Limit (PQL)
U Not Detected at the MDC or RL
E Value exceeds the instrument calibration range
R RPD exceeds accepted precision limit
J Analyte detected below the PQL
S Spike Recovery outside accepted recovery limits

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e: *28-Oct-08*

ICP SERIAL DILUTIONS

MW-2

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	2896.30		2884.80		0.4		P
Antimony	1.52	U	7.60	U			P
Arsenic	4.00	U	20.00	U			P
Barium	262.67		267.02	J	1.7		P
Beryllium	0.10	U	0.50	U			P
Cadmium	0.42	U	2.10	U			P
Calcium	110646.58		115267.76		4.2		P
Chromium	6.64	J	7.20	U	100.0		P
Cobalt	6.00	U	30.00	U			P
Copper	8.05	J	9.40	U	100.0		P
Iron	4447.95		4586.47		3.1		P
Lead	4.00	U	20.00	U			P
Magnesium	23713.65		24957.42		5.2		P
Manganese	126.48		130.72	J	3.4		P
Nickel	6.30	J	6.91	J	9.7		P
Potassium	6069.78		4867.44	J	19.8	E	P
Selenium	8.94	J	18.00	J	101.3		P
Silver	0.90	U	4.50	U			P
Sodium	1066029.05		1038790.03		2.6		P
Thallium	5.87	U	29.35	U			P
Vanadium	5.64	J	4.59	J	18.6		P
Zinc	35.88		43.42	J	21.0		P

METALS MDL Verification Summary (NELAC)

Instrument ID(s):		TJA ICAP-61E							Verification Dates: 4/30/2008				Units = mg/L		
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified MDL	RL
6010B	3005A	Water	Aluminum	0.01245	0.040	0.04	0.03812	95%	yes	n/a	n/a			**0.040**	0.100
6010B	3005A	Water	Antimony	0.00152	0.00152	0.003	0.00369	123%	yes	n/a	n/a			**0.00152**	0.060
6010B	3005A	Water	Arsenic	0.00120	0.0040	0.004	0.00436	109%	yes	n/a	n/a			**0.0040**	0.010
6010B	3005A	Water	Barium	0.00054	0.00054	0.002	0.00165	83%	yes	n/a	n/a			**0.00054**	0.100
6010B	3005A	Water	Beryllium	0.00010	0.00010	0.0002	0.00023	115%	yes	n/a	n/a			**0.00010**	0.010
6010B	3005A	Water	Boron	0.00300	0.00300	0.005	0.00553	111%	yes	n/a	n/a			**0.0030**	0.050
6010B	3005A	Water	Cadmium	0.00042	0.00042	0.001	0.00127	127%	yes	n/a	n/a			**0.00042**	0.010
6010B	3005A	Water	Calcium	0.00688	0.040	0.04	0.04852	121%	yes	n/a	n/a			**0.040**	1.000
6010B	3005A	Water	Chromium	0.00144	0.00144	0.004	0.00468	117%	yes	n/a	n/a			**0.00144**	0.010
6010B	3005A	Water	Cobalt	0.00192	0.0060	0.006	0.00523	87%	yes	n/a	n/a			**0.0060**	0.050
6010B	3005A	Water	Copper	0.00188	0.00188	0.004	0.00409	102%	yes	n/a	n/a			**0.00188**	0.010
6010B	3005A	Water	Iron	0.00500	0.00500	0.01	0.0104	104%	yes	n/a	n/a			**0.0050**	0.050
6010B	3005A	Water	Lead	0.00084	0.0040	0.004	0.00423	106%	yes	n/a	n/a			**0.0040**	0.010
6010B	3005A	Water	Magnesium	0.01266	0.040	0.04	0.04746	119%	yes	n/a	n/a			**0.040**	1.000
6010B	3005A	Water	Manganese	0.00026	0.0015	0.0015	0.00111	74%	yes	n/a	n/a			**0.0015**	0.050
6010B	3005A	Water	Molybdenum	0.00292	0.00292	0.005	0.00602	120%	yes	n/a	n/a			**0.00292**	0.050
6010B	3005A	Water	Nickel	0.00112	0.00112	0.002	0.00207	104%	yes	n/a	n/a			**0.00112**	0.050
6010B	3005A	Water	Potassium	0.06756	0.06756	0.2	0.15856	79%	yes	n/a	n/a			**0.06756**	5.000
6010B	3005A	Water	Selenium	0.00264	0.00264	0.005	0.00443	89%	yes	n/a	n/a			**0.00264**	0.010
6010B	3005A	Water	Silver	0.00090	0.00090	0.002	0.00212	106%	yes	n/a	n/a			**0.00090**	0.010
6010B	3005A	Water	Sodium	0.00846	0.040	0.04	0.03526	88%	yes	n/a	n/a			**0.040**	1.000
6010B	3005A	Water	Strontium	0.00016	0.0005	0.0005	0.0005	100%	yes	n/a	n/a			**0.0005**	0.050
6010B	3005A	Water	Thallium	0.00587	0.00587	0.01	0.01264	126%	yes	n/a	n/a			**0.00587**	0.020
6010B	3005A	Water	Tin	0.00647	0.00647	0.01	0.01265	127%	yes	n/a	n/a			**0.00647**	0.050
6010B	3005A	Water	Titanium	0.00076	0.00076	0.002	0.0021	105%	yes	n/a	n/a			**0.00076**	0.050
6010B	3005A	Water	Vanadium	0.00066	0.00066	0.002	0.0019	95%	yes	n/a	n/a			**0.00066**	0.050
6010B	3005A	Water	Zinc	0.00135	0.0040	0.004	0.00554	139%	yes	n/a	n/a			**0.0040**	0.020

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

ICP ID Number: ICAP-61E Date: 1/2/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.22			0.0002328		0.0003869
Antimony	206.83			0.0000540		0.0056575
Arsenic	196.70			-0.0000088		-0.0028173
Barium	493.41	0.0000169				
Beryllium	313.04					
Cadmium	228.80	0.0000358		0.0000504		
Calcium	317.93					
Chromium	267.72	0.0000112		0.0000252	0.0000335	
Cobalt	228.62			0.0000222		0.0000852
Copper	324.75			-0.0000420		-0.0001146
Iron	259.94	0.0000654				0.0000632
Lead	220.35	0.0005899	-0.000003	0.0000666		0.0000749
Magnesium	279.08			0.0000364		0.0006914
Manganese	257.61	0.0000065		0.0000141	0.0000063	
Molybdenum	202.03			-0.0000080		0.0000628
Nickel	231.60					
Potassium	766.49		-0.000209		-0.0003263	0.0013548
Selenium	196.03			0.0000097		-0.0000263
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.0004934		0.0000926		0.0002990
Vanadium	292.40			0.0000196		0.0000254
Zinc	213.86			0.0000672		

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

ICP ID Number: ICAP-61E Date: 1/2/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Mo	Ni	Co	Mn
Aluminum	308.22	0.0264364	0.0097866			
Antimony	206.83	-0.0062988		-0.0017197		
Arsenic	196.70		-0.0010716			
Barium	493.41					
Beryllium	313.04	0.0002798				
Cadmium	228.80			0.0001133		
Calcium	317.93					
Chromium	267.72	0.0002748				
Cobalt	228.62			0.0003386		
Copper	324.75		0.0003037			
Iron	259.94					
Lead	220.35		-0.0003878	0.0002857		
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60				-0.0011731	
Potassium	766.49					
Selenium	196.03				0.000443	0.0003626
Silver	328.07		-0.0005618			
Sodium	589.00					
Thallium	190.86	0.0020255			0.003453	0.001534
Vanadium	292.40		-0.0014470			
Zinc	213.86			0.0043830		

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

ICP ID Number: ICAP-61E Date: 1/2/2008

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	Pb	___	___	___
Aluminum	308.22					
Antimony	206.83					
Arsenic	196.70					
Barium	493.41					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60					
Potassium	766.49					
Selenium	196.03					
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.001853	0.0003639			
Vanadium	292.40					
Zinc	213.86					

Comments:

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

ICP ID Number: ICAP 61E Date: 05/05/2008

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	600000	P
Antimony	15.00	10000	P
Arsenic	15.00	10000	P
Barium	15.00	10000	P
Beryllium	15.00	5000	P
Boron	15.00	50000	P
Cadmium	15.00	5000	P
Calcium	15.00	2000000	P
Chromium	15.00	200000	P
Cobalt	15.00	30000	P
Copper	15.00	20000	P
Iron	15.00	500000	P
Lead	15.00	200000	P
Magnesium	15.00	600000	P
Manganese	15.00	50000	P
Molybdenum	15.00	20000	P
Nickel	15.00	50000	P
Potassium	15.00	100000	P
Selenium	15.00	10000	P
Silver	15.00	5000	P
Sodium	15.00	2000000	P
Strontium	15.00	5000	P
Thallium	15.00	20000	P
Vanadium	15.00	20000	P
Zinc	15.00	5000	P

Comments:

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCS-8322	10/23/2008		50
MB-8322	10/23/2008		50
MW-1	10/23/2008		50
MW-2	10/23/2008		50
MW-2S	10/23/2008		50
MW-2SD	10/23/2008		50
MW-3	10/23/2008		50
MW-4	10/23/2008		50
MW-4FD	10/23/2008		50

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Instrument ID Number: ICAP 61E Method: P

Start Date: 10/24/2008 End Date: 10/24/2008

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1231		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S3	1.00	1235		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2	1.00	1238		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.00	1240		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICVH	1.00	1242		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1246		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV/IPC	1.00	1251		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.00	1255		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1259		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1303								X					X	X							X				
CRI	1.00	1307															X										
CRI	1.00	1311					X																				
ICSA	1.00	1320		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1324		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1431		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1435		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MB-8322	1.00	1438		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH1	1.00	1442		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV1	1.00	1446		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB1	1.00	1452		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCS-8322	1.00	1456		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1510		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1513		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1517		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1521		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1524		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1528		X			X			X			X	X	X	X	X			X			X				
CCVH2	1.00	1531		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV2	1.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB2	1.00	1539		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-1	1.00	1543		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-2	1.00	1547		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-2S	1.00	1550		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-2SD	1.00	1554		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-2L	5.00	1557		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Instrument ID Number: ICAP 61E Method: P

Start Date: 10/24/2008 End Date: 10/24/2008

EPA Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MW-2A	1.00	1601		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-3	1.00	1604		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-4	1.00	1608		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-4FD	1.00	1611		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1615		X			X			X			X	X	X	X	X			X			X				
CCVH3	1.00	1618		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV3	1.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB3	1.00	1627		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1631		X			X			X			X	X	X	X	X			X			X				
ZZZZZZ	1.00	1634		X			X			X			X	X	X	X	X			X			X				
ICSA	1.00	1638		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1641		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH4	1.00	1645		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV4	1.00	1648		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB4	1.00	1652		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Raw Data

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 10/24/08 **Lab Method:** KICAP

Standard #	Sample ID	Batch ID	DF	Method	Comment
	Profile	1.0 mg/L As			Vernier set: 492 Time: 9:00 AM
7152-S	BLANK		1	6010B / 200.7	
7153-S	STD3		1		
7154-S	STD2		1		
7155-S	STD1		1		
7088-S	ICVH		1		
7558-S	ICV		1		
7157-S	CCV/IPC		1		
7152-S	ICB		1		
7159-S	CRI(PQL)		1		
7328-S	CRI(ONEIDA)		1		
7701-S	ICSA-INITIAL		1		
7702-S	ICSAB-INITIAL		1		
	MB-8321	8321	1	200.7	
	LCS-8321		1		
	0810149-001D		1		
	0810149-001DMS		1		
	0810149-001DMSD		1		
	0810149-001DSD		5		
7156-S	CCVH1		1		
7157-S	CCV1		1		
7152-S	CCB1		1		
	0810149-001DPDS	8321	1		
	0810128-001A		1		
	0810128-002A		1		
	0810128-003A		1		Na, K saturated, D/RA
	0810147-001A		1		
	0810147-002A		1		
	0810150-001A		1		
	0810150-002A		1		
	0810128-003A		10		For all elements
	CCVH2		1		
	CCV2		1		
	CCB2		1		
	ICSA-FINAL		1		
	ICSAB-FINAL		1		
	CCVH3		1		
	CCV3		1		
	CCB3		1		
7152-S	BLANK		1	6010B	
7153-S	STD3		1		

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 10/24/08 **Lab Method: KICAP**

Standard #	Sample ID	Batch ID	DF	Method	Comment
7154-S	STD2		1	6010B	
7155-S	STD1		1		
7088-S	ICVH		1		
7558-S	ICV		1		
7157-S	CCV/IPC		1		
7152-S	ICB		1		
7159-S	CRI(PQL)		1		
7159-S(1:2)	CRI(GEAE)		1		
7159-S(1:5)	CRI(Mn,Sr)		1		
7159-S(1:10)	CRI(Ba)		1		
7318-S	Low Level Cal STD		1		
7701-S	ICSA-INITIAL		1		
7702-S	ICSAB-INITIAL		1		
	3005A MDLV 0.7	8322	1		
	3005A MDLV 0.8		1		
	MB-8322		1		
	CCVH1		1		
	CCV1		1		
	CCB1		1		
	LCS-8322	8322	1		
	0810140-001D		1		
	0810140-001DSD		5		
	0810140-001DPDS		1		
	0810039-001C		1		
	0810039-002C		1		
	0810039-003C		1		
	0810095-001C		1		
	0810095-002C		1		
	0810095-003C		1		
	CCVH2		1		
	CCV2		1		
	CCB2		1		
	0810110-001C	8322	1		
	0810110-002C		1		
	0810110-002CMS		1		
	0810110-002CMSD		1		
	0810110-002CSD		5		
	0810110-002CPDS		1		
	0810110-003C		1		
	0810110-004C		1		
	0810110-005C		1		

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 10/24/08 **Lab Method:** KICAP

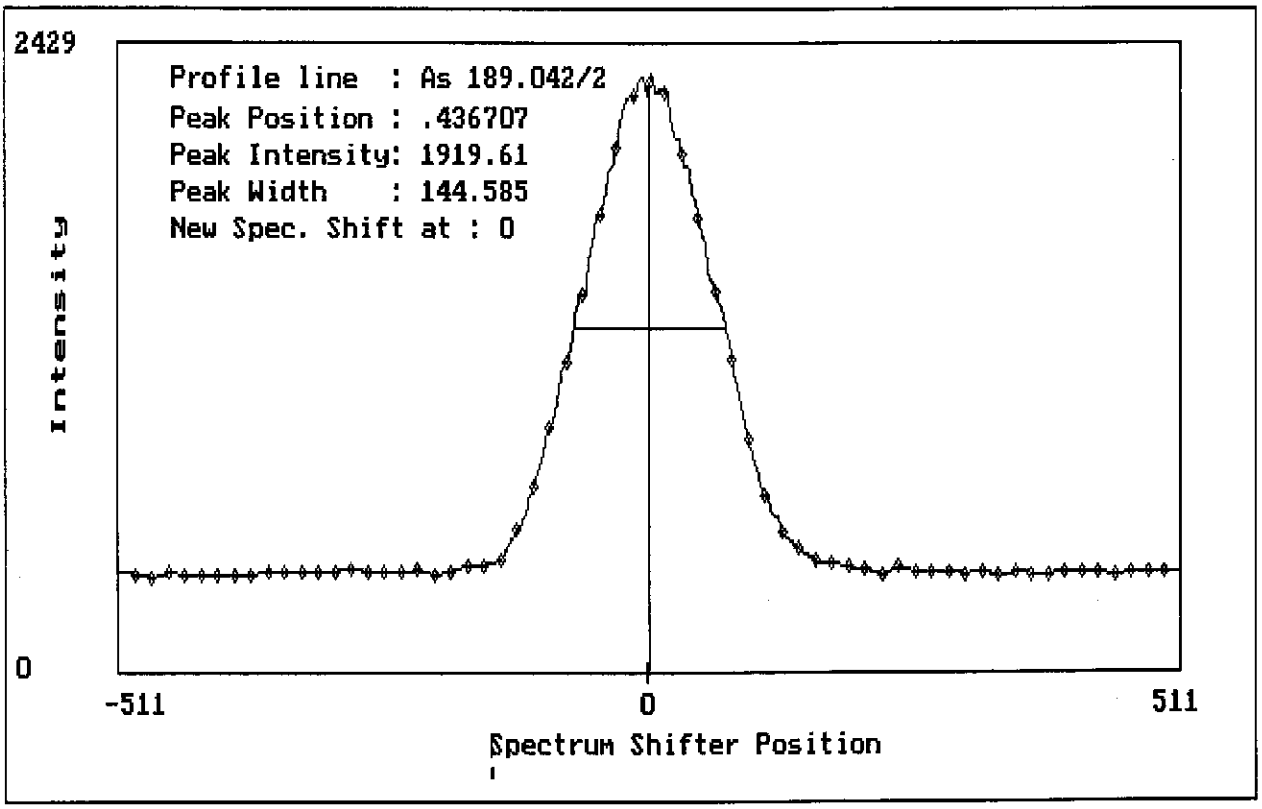
Standard #	Sample ID	Batch ID	DF	Method	Comment
	0810143-001C	8322	1	6010B	
	CCVH3		1		
	CCV3		1		
	CCB3		1		
	0810143-002C	8322	1		
	0810143-003C	↓	1		
	ICSA-FINAL		1		
	ICSAB-FINAL		1		
	CCVH4		1		
	CCV4		1		
	CCB4		1	↓	

Analyst: Cang Tran Date: 10/27/08

Reviewer: [signature] Date: 10/28/08

Print Date: 10/27/08

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze


2429
Profile line : As 189.042/2
Peak Position : .436707
Peak Intensity: 1919.61
Peak Width : 144.585
New Spec. Shift at : 0
Intensity
0
-511
0
511
Spectrum Shifter Position

OT
10/27/08

Method: KICAP Standard: BLANK
Run Time: 10/24/08 12:31:45

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Ca
Avge	.02266	.7896	2.1722	.17658	.35815	.8249	1.016
SDev	.02483	.0053	.0258	.00115	.00321	.0061	.009
%RSD	109.62	.6698	1.1868	.65361	.89709	.7403	.9142
#1	.03598	.7956	2.2009	.17791	.36182	.8316	1.023
#2	-.00600	.7876	2.1509	.17591	.35582	.8196	1.018
#3	.03798	.7856	2.1649	.17591	.35682	.8236	1.005

Elem	Cd2265	Co2286	Cr	Cr	Cu3247	Fe	Fe
Avge	20.862	2.1439	4.3515	4.5844	.04231	.88356	6.3455
SDev	.248	.0134	.0306	.0382	.00153	.00529	.0654
%RSD	1.1896	.62721	.70434	.83316	3.6083	.59859	1.0300
#1	21.141	2.1589	4.3778	4.6247	.04098	.88956	6.4198
#2	20.667	2.1329	4.3178	4.5487	.04398	.87956	6.2969
#3	20.779	2.1399	4.3588	4.5797	.04198	.88156	6.3198

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na	Na	Ni2316
Avge	14.85	.6107	.81626	.00500	2.649	8.774	-.00366
SDev	.07	.0040	.00602	.01153	.014	.089	.00351
%RSD	.5020	.6547	.73809	230.65	.5393	1.020	95.779
#1	14.92	.6147	.82259	.01699	2.665	8.878	.00000
#2	14.77	.6067	.81059	-.00600	2.637	8.721	-.00700
#3	14.86	.6107	.81559	.00400	2.646	8.725	-.00400

Elem	Sn1899	Sr4215	Ti3349	V_2924	Zn2138	As1890	Tl1908
Avge	2.5461	.64801	.39647	.00300	.01433	-.03448	6.5867
SDev	.0163	.00680	.00305	.00700	.00288	.03044	.0218
%RSD	.63945	1.0499	.77018	233.33	20.140	88.263	.33072
#1	2.5647	.65567	.39980	.01000	.01599	-.06797	6.5967
#2	2.5347	.64568	.39380	-.00400	.01099	-.00850	6.5617
#3	2.5387	.64268	.39580	.00300	.01599	-.02699	6.6017

Elem	2203/1	2203/2	Pb	1960/1	1960/2	2068/1	2068/2
Avge	.06097	.11094	7.0701	-.12127	.00866	-.03065	-.01899
SDev	.25935	.05282	.0451	.07441	.08158	.15853	.03949
%RSD	425.38	47.612	.63731	61.357	941.73	517.22	207.94
#1	-.18091	.16692	7.1104	-.13493	-.01000	.11594	-.01799
#2	.33483	.06197	7.0215	-.18791	.09795	-.00900	.01999
#3	.02899	.10395	7.0785	-.04098	-.06197	-.19890	-.05897

Method: KICAP Standard: STD3
Run Time: 10/24/08 12:35:16

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Avge	23.319	12.30	33.458	11.587	119.05	178.6	1358.5
SDev	.062	.04	.182	.041	.42	.8	5.2
%RSD	.26460	.3254	.54257	.35064	.35294	.4381	.38414
#1	23.278	12.27	33.285	11.557	118.73	178.0	1354.1
#2	23.289	12.28	33.440	11.570	118.88	178.3	1357.1
#3	23.390	12.35	33.647	11.633	119.52	179.5	1364.2

Elem	Co2286	Cr	Cu3247	Fe	Mg2790	Mn2576	Mo2020
Avge	31.305	75.552	16.307	244.47	23.51	81.206	8.2585
SDev	.097	.244	.063	1.03	.10	.288	.0601
%RSD	.30841	.32295	.38347	.42159	.4267	.35473	.72780
#1	31.230	75.356	16.259	243.70	23.44	80.987	8.1909
#2	31.271	75.473	16.285	244.07	23.47	81.099	8.2789
#3	31.414	75.825	16.378	245.64	23.63	81.532	8.3058

Elem	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924	Zn2138
Avge	961.5	6.4674	14.540	96.948	13.100	18.492	19.648
SDev	2.8	.0257	.084	.368	.051	.070	.080
%RSD	.2887	.39743	.57695	.38000	.39056	.37916	.40870
#1	959.9	6.4488	14.448	96.682	13.054	18.437	19.585
#2	959.9	6.4568	14.561	96.794	13.090	18.468	19.619
#3	964.7	6.4968	14.612	97.368	13.155	18.571	19.738

Elem	As1890	Tl1908	2203/1	2203/2	1960/1	1960/2	2068/1
Avge	52.853	29.234	232.37	215.16	24.707	27.734	37.965
SDev	.298	.179	1.12	2.34	.158	.297	.588
%RSD	.56454	.61371	.48238	1.0858	.64006	1.0719	1.5481
#1	52.811	29.054	231.09	212.48	24.534	27.400	37.326
#2	52.578	29.234	232.84	216.27	24.844	27.830	38.483
#3	53.170	29.413	233.18	216.74	24.744	27.971	38.087

Elem	2068/2
Avge	52.974
SDev	.303
%RSD	.57283
#1	52.675
#2	53.281
#3	52.965

Method: KICAP Standard: STD2
Run Time: 10/24/08 12:38:45

Elem	Ca	Cr	Fe	Na	Pb
Avge	109.1	22.797	14.153	17.37	68.661
SDev	.9	.158	.129	.09	.444
%RSD	.8373	.69096	.90966	.4900	.64645
#1	108.2	22.643	14.017	17.29	68.188
#2	109.3	22.791	14.170	17.36	68.726
#3	110.0	22.958	14.273	17.46	69.068

Method: KICAP Standard: STD1
Run Time: 10/24/08 12:40:37

Elem	K_7664
Avge	87.70
SDev	.67
%RSD	.7587
#1	86.98
#2	87.83
#3	88.30

Method: KICAP Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	STD3	BLANK	.021438	-.000486	10/24/08 12:40:37
Al3082	308.215	STD3	BLANK	1.93713	.777944	10/24/08 12:40:37
B_2496	249.678	STD3	BLANK	.032017	-.069549	10/24/08 12:40:37
Ba4934	493.409	STD3	BLANK	.087641	-.015476	10/24/08 12:40:37
Be3130	313.042	STD3	BLANK	.008428	-.003019	10/24/08 12:40:37
Ca	317.933	STD3	BLANK	.112612	-.114394	10/24/08 12:40:37
Ca	370.603	STD2	BLANK	1.93454	.330526	10/24/08 12:40:37
Cd2265	226.502	STD3	BLANK	.000748	-.015605	10/24/08 12:40:37
Co2286	228.616	STD3	BLANK	.034310	-.073558	10/24/08 12:40:37
Cr	267.716	STD3	BLANK	.014101	-.064644	10/24/08 12:40:37
Cr	298.919	STD2	BLANK	.658641	2.53723	10/24/08 12:40:37
Cu3247	324.753	STD3	BLANK	.061490	-.002602	10/24/08 12:40:37
Fe	271.441	STD2	BLANK	2.27174	-.193785	10/24/08 12:40:37
Fe	259.940	STD3	BLANK	.008402	-.053315	10/24/08 12:40:37
K_7664	766.491	STD1	BLANK	1.78832	-.606521	10/24/08 12:40:37
Mg2790	279.078	STD3	BLANK	2.54956	-.225333	10/24/08 12:40:37
Mn2576	257.610	STD3	BLANK	.012445	-.010158	10/24/08 12:40:37
Mo2020	202.030	STD3	BLANK	.121166	-.000606	10/24/08 12:40:37
Na	588.995	STD3	BLANK	.805621	-2.54234	10/24/08 12:40:37
Na	330.232	STD2	BLANK	1.54564	4.69086	10/24/08 12:40:37
Ni2316	231.604	STD3	BLANK	.154364	.000566	10/24/08 12:40:37
Sn1899	189.989	STD3	BLANK	.083638	-.212946	10/24/08 12:40:37
Sr4215	421.552	STD3	BLANK	.010387	-.006731	10/24/08 12:40:37
Ti3349	334.941	STD3	BLANK	.078798	-.031241	10/24/08 12:40:37
V_2924	292.402	STD3	BLANK	.054012	-.000162	10/24/08 12:40:37
Zn2138	213.856	STD3	BLANK	.051165	-.000733	10/24/08 12:40:37
As1890	189.042	STD3	BLANK	.018835	.000649	10/24/08 12:40:37
Tl1908	190.864	STD3	BLANK	.044787	-.294997	10/24/08 12:40:37
Pb	220.353	NONE	NONE	1.00000	.000000	*10/24/08 12:40:37
Se1960	196.026	NONE	NONE	1.00000	.000000	*10/24/08 12:40:37
Sb2068	206.838	NONE	NONE	1.00000	.000000	*10/24/08 12:40:37
2203/1	220.351	STD3	BLANK	.004330	-.000264	10/24/08 12:40:37
2203/2	220.352	STD3	BLANK	.004633	-.000514	10/24/08 12:40:37
Pb	405.782	STD2	BLANK	1.46411	4.21057	10/24/08 12:40:37
1960/1	196.021	STD3	BLANK	.040310	.004888	10/24/08 12:40:37
1960/2	196.022	STD3	BLANK	.036060	-.000312	10/24/08 12:40:37
2068/1	206.831	STD3	BLANK	.026259	.000805	10/24/08 12:40:37
2068/2	206.832	STD3	BLANK	.018845	.000358	10/24/08 12:40:37

Method: KICAP Sample Name: ICVH Operator: CT
Run Time: 10/24/08 12:42:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.0160	.00181	-.00012	.00002	49.76	-.00004
SDev	.00041	.0015	.00015	.00010	.00001	.14	.00001
%RSD	6132.7	9.236	7.9683	86.590	41.127	.2811	17.240
#1	-.00044	.0143	.00194	-.00023	.00002	49.66	-.00005
#2	.00005	.0169	.00184	-.00006	.00002	49.70	-.00004
#3	.00037	.0168	.00166	-.00006	.00003	49.92	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						50.00	
Range						10.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	5.0924	.00043	10.025	-.0082	.0019	-.00000
SDev	.00026	.0325	.00015	.036	.0094	.0022	.00005
%RSD	36.080	.63847	34.604	.35547	114.7	112.6	1235.4
#1	-.00089	5.0683	.00059	9.9926	-.0188	-.0006	-.00006
#2	-.00082	5.0796	.00041	10.018	-.0053	.0032	.00003
#3	-.00041	5.1294	.00030	10.063	-.0006	.0031	.00002
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		5.0000		10.000			
Range		10.000		10.000			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00080	49.91	.00015	.00191	.00020	.00086	.00006
SDev	.00067	.14	.00058	.00060	.00002	.00008	.00022
%RSD	83.281	.2900	381.09	31.520	9.4969	8.8439	367.24
#1	.00011	49.78	-.00052	.00208	.00018	.00082	-.00007
#2	.00084	49.87	.00041	.00124	.00020	.00081	-.00007
#3	.00144	50.06	.00057	.00241	.00022	.00094	.00031
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value		50.00					
Range		10.00					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	-.00071	.00061	10.098	.00343	-.00115	10.090
SDev	.00005	.00024	.00146	.036	.00141	.00053	.028
%RSD	39.021	34.093	241.56	.35807	41.011	45.918	.27788
#1	-.00012	-.00064	.00078	10.075	.00290	-.00060	10.062
#2	-.00018	-.00099	-.00093	10.080	.00236	-.00120	10.089
#3	-.00008	-.00051	.00198	10.140	.00502	-.00165	10.118
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK

Value				10.000	
Range				10.000	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.059	.00285	.00372	-.00601	.00203
SDev	.075	.00155	.00185	.00192	.00243
%RSD	.74738	54.446	49.729	31.937	120.00
#1	9.9722	.00403	.00234	-.00823	.00471
#2	10.105	.00109	.00300	-.00493	.00141
#3	10.100	.00343	.00582	-.00487	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Method: KICAP Sample Name: ICV Operator: CT
Run Time: 10/24/08 12:46:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04813	1.005	.50615	.19397	.20406	10.06	.19890
SDev	.00019	.003	.00075	.00009	.00020	.02	.00023
%RSD	.40472	.2641	.14747	.04516	.10038	.1509	.11767
#1	.04799	1.008	.50531	.19397	.20396	10.07	.19888
#2	.04805	1.006	.50637	.19406	.20430	10.08	.19914
#3	.04835	1.002	.50675	.19388	.20393	10.05	.19867
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	1.000	.50000	.20000	.20000	10.00	.20000
Range	10.000	10.00	10.000	10.000	10.000	10.00	10.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19934	.20340	.20070	1.0261	9.835	10.10	.20109
SDev	.00049	.00054	.00000	.0017	.025	.01	.00030
%RSD	.24796	.26471	.00022	.16724	.2592	.0775	.15148
#1	.19976	.20367	.20070	1.0272	9.859	10.10	.20109
#2	.19948	.20376	.20070	1.0269	9.838	10.11	.20140
#3	.19880	.20278	.20070	1.0241	9.808	10.10	.20079
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.20000	.20000	.20000	1.0000		10.00	.20000
Range	10.000	10.000	10.000	10.000		10.00	10.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19651	10.00	.20383	.20109	.20531	.20388	.20277
SDev	.00124	.02	.00086	.00178	.00018	.00036	.00046
%RSD	.62950	.1539	.42159	.88437	.08854	.17819	.22708
#1	.19510	10.02	.20368	.20267	.20550	.20367	.20243
#2	.19740	9.995	.20476	.20142	.20530	.20430	.20330
#3	.19703	9.990	.20306	.19916	.20513	.20367	.20260
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	10.00	.20000	.20000	.20000	.20000	.20000
Range	10.000	10.00	10.000	10.000	10.000	10.000	10.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20203	.20267	.20120	.20156	.19994	.20808	.20323
SDev	.00000	.00108	.00072	.00228	.00285	.00206	.00274
%RSD	.00191	.53265	.35842	1.1299	1.4278	.99025	1.3457
#1	.20203	.20161	.20038	.20012	.19699	.20591	.20258
#2	.20202	.20377	.20150	.20419	.20013	.21000	.20624
#3	.20203	.20263	.20173	.20039	.20269	.20834	.20088
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	.20000	.20000	.20000	.20000	.20000	.20000
Range	10.000	10.000	10.000	10.000	10.000	10.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.20073	.20060	.19961	.20587	.21069	
SDev	.00220	.00211	.00330	.00290	.00171	
%RSD	1.0963	1.0531	1.6538	1.4064	.81287	
#1	.19889	.19818	.19640	.20258	.20906	
#2	.20317	.20153	.19942	.20805	.21248	
#3	.20014	.20209	.20299	.20697	.21052	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: CCV/IPC Operator: CT
Run Time: 10/24/08 12:51:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24611	4.983	.50851	.50251	.50470	10.06	.50846
SDev	.00102	.006	.00094	.00103	.00121	.02	.00165
%RSD	.41544	.1151	.18485	.20428	.23886	.2008	.32463
#1	.24724	4.988	.50929	.50327	.50600	10.08	.51031
#2	.24585	4.984	.50747	.50292	.50449	10.05	.50792
#3	.24525	4.977	.50878	.50134	.50362	10.04	.50714
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	5.000	.50000	.50000	.50000	10.00	.50000
Range	5.0000	5.000	5.0000	5.0000	5.0000	5.000	5.0000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50510	.50459	.49665	1.0013	9.907	10.12	.50154
SDev	.00160	.00085	.00052	.0012	.032	.03	.00110
%RSD	.31578	.16846	.10527	.12368	.3224	.3107	.21854
#1	.50672	.50558	.49724	1.0024	9.944	10.15	.50267
#2	.50504	.50414	.49644	1.0016	9.888	10.10	.50146
#3	.50353	.50407	.49626	.99996	9.888	10.10	.50048
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	1.0000		10.00	.50000
Range	5.0000	5.0000	5.0000	5.0000		5.000	5.0000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50664	10.01	.50800	.50770	.51394	.50354	.49967
SDev	.00172	.02	.00089	.00096	.00059	.00107	.00108
%RSD	.33918	.2294	.17567	.18929	.11443	.21274	.21633
#1	.50632	10.04	.50903	.50867	.51434	.50475	.50076
#2	.50850	10.00	.50749	.50675	.51421	.50317	.49963
#3	.50511	9.992	.50749	.50767	.51326	.50270	.49860
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	10.00	.50000	.50000	.50000	.50000	.50000
Range	5.0000	5.000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50327	.50721	.50215	.50179	.49529	.50209	.50356
SDev	.00146	.00078	.00277	.00460	.00485	.00751	.00496
%RSD	.28926	.15382	.55152	.91593	.97831	1.4958	.98565
#1	.50477	.50710	.49989	.49659	.48993	.49346	.49825
#2	.50319	.50649	.50133	.50531	.49935	.50570	.50436
#3	.50186	.50804	.50524	.50347	.49659	.50712	.50808
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	.50000	.50000	.50000	.50000	.50000	.50000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50090	.49879	.49354	.49924	.50427	
SDev	.00502	.00254	.00600	.00787	.00737	
%RSD	1.0014	.50872	1.2153	1.5769	1.4625	
#1	.49576	.49597	.48691	.49015	.49586	
#2	.50578	.50088	.49859	.50401	.50729	
#3	.50117	.49951	.49513	.50355	.50965	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: ICB Operator: CT
Run Time: 10/24/08 12:55:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.0188	.00224	.00009	.00008	-.0004	.00018
SDev	.00029	.0018	.00041	.00005	.00003	.0018	.00005
%RSD	177.27	9.638	18.154	57.749	35.838	440.9	26.734
#1	-.00025	.0168	.00271	.00012	.00012	.0015	.00018
#2	.00016	.0194	.00200	.00003	.00006	-.0021	.00023
#3	-.00040	.0203	.00200	.00012	.00006	-.0007	.00013

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	.00045	.00025	.00007	.0174	.0072	.00009
SDev	.00021	.00018	.00025	.00023	.0076	.0016	.00001
%RSD	28.379	40.685	101.17	346.42	43.92	22.35	7.5226
#1	.00082	.00027	.00047	-.00008	.0095	.0063	.00009
#2	.00051	.00044	.00029	-.00005	.0179	.0063	.00009
#3	.00093	.00064	-.00002	.00033	.0248	.0091	.00010

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00279	-.0131	-.00026	.00091	.00002	.00029	-.00010
SDev	.00152	.0005	.00009	.00251	.00001	.00012	.00009
%RSD	54.479	3.477	34.837	275.12	49.386	41.661	88.197
#1	.00436	-.0126	-.00020	.00273	.00004	.00026	-.00016
#2	.00266	-.0136	-.00036	-.00196	.00002	.00018	-.00016
#3	.00133	-.0131	-.00020	.00197	.00002	.00042	.00000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00039	-.00054	.00173	-.00019	.00279	.00087	.00129
SDev	.00008	.00125	.00047	.00049	.00186	.00114	.00284
%RSD	20.004	231.76	27.223	250.99	66.754	131.35	219.97
#1	-.00032	.00006	.00129	.00008	.00219	.00161	.00413
#2	-.00037	.00030	.00223	-.00075	.00130	-.00045	.00129
#3	-.00048	-.00197	.00169	.00009	.00487	.00144	-.00155

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00093	.00396	.00220	-.00326	.00243
SDev	.00160	.00433	.00192	.00192	.00200
%RSD	171.58	109.33	87.500	58.814	82.220
#1	-.00195	.00626	.00016	-.00547	.00439
#2	-.00177	-.00103	.00246	-.00214	.00040
#3	.00091	.00666	.00398	-.00216	.00249

Method: KICAP Sample Name: CRI(PQL) Operator: CT
Run Time: 10/24/08 12:59:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00991	.1129	.04143	.09697	.00997	1.011	.00863
SDev	.00069	.0015	.00013	.00035	.00005	.005	.00008
%RSD	7.0068	1.334	.30954	.36508	.46343	.4889	.93107
#1	.00946	.1147	.04156	.09691	.00994	1.010	.00857
#2	.00955	.1121	.04130	.09665	.00995	1.007	.00860
#3	.01071	.1121	.04143	.09735	.01002	1.016	.00872

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04918	.01017	.01011	.05132	4.921	1.034	.05046
SDev	.00023	.00011	.00022	.00016	.071	.008	.00024
%RSD	.46390	1.0791	2.1899	.32012	1.450	.7623	.47557
#1	.04892	.01010	.01035	.05116	4.989	1.028	.05038
#2	.04933	.01011	.00992	.05131	4.927	1.032	.05027
#3	.04929	.01029	.01005	.05149	4.847	1.043	.05073

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04998	1.003	.05046	.05160	.05129	.05079	.05012
SDev	.00079	.005	.00053	.00200	.00015	.00032	.00067
%RSD	1.5767	.4524	1.0598	3.8706	.28352	.61991	1.3450
#1	.05074	1.008	.04984	.05377	.05128	.05079	.04958
#2	.04917	1.002	.05077	.04984	.05114	.05047	.04990
#3	.05002	.9993	.05077	.05118	.05144	.05110	.05087

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02066	.00975	.01747	.01015	.01240	.06321	.01097
SDev	.00011	.00076	.00178	.00080	.00155	.00229	.00277
%RSD	.50746	7.8267	10.165	7.8382	12.538	3.6273	25.216
#1	.02057	.01058	.01834	.01027	.01294	.06057	.01267
#2	.02062	.00908	.01543	.01088	.01064	.06439	.01245
#3	.02077	.00958	.01865	.00930	.01361	.06468	.00778

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00974	.01452	.01134	.06207	.06353
SDev	.00058	.00218	.00126	.00511	.00136
%RSD	5.9578	14.994	11.066	8.2349	2.1475
#1	.00907	.01552	.01165	.05618	.06276
#2	.01010	.01202	.00996	.06471	.06272
#3	.01006	.01601	.01241	.06532	.06510

Method: KICAP Sample Name: ICSA-INITIAL Operator: CT
Run Time: 10/24/08 13:20:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	492.9	.00158	-.00058	-.00002	506.6	.00004
SDev	.00056	3.2	.00018	.00005	.00000	3.2	.00003
%RSD	106.04	.6581	11.621	8.2230	15.804	.6406	66.338
#1	-.00014	489.6	.00143	-.00064	-.00002	503.2	.00001
#2	-.00027	493.0	.00153	-.00055	-.00002	506.9	.00007
#3	-.00117	496.1	.00178	-.00055	-.00002	509.7	.00004
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00197	-.00159	-.00154	185.52	-.0350	510.4	.00005
SDev	.00021	.00017	.00027	1.17	.0023	3.1	.00002
%RSD	10.907	10.539	17.525	.62856	6.546	.6006	43.106
#1	-.00221	-.00170	-.00125	184.31	-.0345	507.2	.00003
#2	-.00179	-.00140	-.00158	185.60	-.0330	510.8	.00007
#3	-.00191	-.00168	-.00179	186.64	-.0375	513.3	.00004
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.0	
Range				20.000		20.00	

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	-.0122	-.00101	.00431	.00031	.00191	.00014
SDev	.00043	.0031	.00007	.00194	.00003	.00005	.00016
%RSD	207.89	25.15	6.7513	45.106	8.2890	2.3575	118.25
#1	.00056	-.0088	-.00104	.00320	.00029	.00187	.00029
#2	-.00028	-.0132	-.00107	.00655	.00032	.00190	.00015
#3	.00034	-.0147	-.00094	.00317	.00034	.00196	-.00003
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	-.00097	.00799	.00374	.00122	.00232	.00737
SDev	.00010	.00038	.00047	.00201	.00087	.00231	.00573
%RSD	9.2101	38.619	5.8337	53.830	70.869	99.597	77.741
#1	.00099	-.00138	.00749	.00142	.00217	.00045	.01371
#2	.00116	-.00091	.00841	.00484	.00102	.00161	.00580
#3	.00118	-.00064	.00807	.00496	.00048	.00491	.00259
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00193	.00648	-.00140	-.00289	.00417
SDev	.00583	.00667	.00206	.01069	.00323
%RSD	302.47	102.92	147.09	369.99	77.436
#1	-.00472	.01410	-.00378	-.01281	.00782
#2	.00436	.00360	-.00028	-.00428	.00305
#3	.00614	.00173	-.00015	.00842	.00165
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Method: KICAP Sample Name: ICSAB-INITIAL Operator: CT
Run Time: 10/24/08 13:24:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19757	485.1	.48931	.48784	.47982	500.3	.89372
SDev	.00086	3.0	.00286	.00278	.00261	2.7	.00445
%RSD	.43557	.6133	.58512	.57014	.54412	.5372	.49794
#1	.19694	482.6	.48670	.48562	.47789	498.1	.89112
#2	.19855	488.4	.49237	.49096	.48279	503.3	.89885
#3	.19722	484.3	.48885	.48694	.47877	499.5	.89117
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.0	.50000	.50000	.50000	500.0	1.0000
Range	20.000	20.00	20.000	20.000	20.000	20.00	20.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45447	.46937	.51517	183.32	5.013	503.2	.47259
SDev	.00239	.00244	.00318	1.01	.029	2.7	.00249
%RSD	.52658	.51924	.61767	.55040	.5711	.5456	.52695
#1	.45290	.46756	.51283	182.58	4.988	501.0	.47070
#2	.45723	.47214	.51880	184.47	5.044	506.2	.47541
#3	.45329	.46840	.51389	182.91	5.006	502.3	.47166
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00		500.0	.50000
Range	20.000	20.000	20.000	20.000		20.00	20.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45467	.9500	.92032	.46714	.49397	.48078	.48038
SDev	.00317	.0053	.00387	.00391	.00284	.00310	.00272
%RSD	.69814	.5629	.42102	.83634	.57452	.64387	.56573
#1	.45249	.9453	.91849	.46646	.49204	.47799	.47830
#2	.45831	.9558	.92477	.47134	.49723	.48411	.48345
#3	.45322	.9488	.91770	.46361	.49264	.48023	.47938
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000		1.0000	.50000	.50000	.50000	.50000
Range	20.000		20.000	20.000	20.000	20.000	20.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96819	.09726	.10479	.04928	.04612	.61309	.05479
SDev	.00552	.00211	.00452	.00314	.00123	.00664	.00846
%RSD	.56979	2.1674	4.3177	6.3721	2.6675	1.0835	15.436
#1	.96374	.09796	.10806	.04566	.04471	.60554	.06451
#2	.97436	.09892	.10668	.05119	.04669	.61566	.05065
#3	.96648	.09489	.09962	.05100	.04696	.61805	.04919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	1.0000	.10000	.10000	.05000	.05000	.60000
Range	20.000	20.000	20.000	20.000	20.000	20.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.04654	.05550	.04144	.59548	.62213	
SDev	.00891	.01074	.00715	.03799	.00810	
%RSD	19.157	19.357	17.267	6.3797	1.3021	
#1	.03625	.06699	.03358	.55209	.63148	
#2	.05146	.05378	.04315	.61156	.61771	
#3	.05191	.04572	.04758	.62278	.61719	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: MB-8322 Operator: CT
Run Time: 10/24/08 14:38:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.0261	.00049	.00009	.00006	.0057	.00020
SDev	.00027	.0022	.00031	.00005	.00001	.0011	.00005
%RSD	187.51	8.341	63.474	57.753	16.550	19.44	23.008
#1	.00007	.0238	.00015	.00012	.00005	.0054	.00015
#2	-.00006	.0281	.00076	.00012	.00006	.0048	.00025
#3	-.00044	.0264	.00056	.00003	.00006	.0069	.00021

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00110	.00080	.00004	.00279	.0104	.0103	.00017
SDev	.00040	.00011	.00018	.00011	.0071	.0014	.00003
%RSD	36.040	13.635	448.14	3.8630	68.05	13.75	14.907
#1	.00069	.00068	.00004	.00271	.0045	.0100	.00015
#2	.00147	.00089	.00023	.00291	.0183	.0119	.00020
#3	.00113	.00084	-.00014	.00275	.0085	.0091	.00016

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	-.0179	.00031	.00423	.00006	.00039	-.00009
SDev	.00060	.0005	.00032	.00073	.00004	.00005	.00025
%RSD	370.03	2.545	103.83	17.254	58.623	11.560	278.00
#1	-.00024	-.0184	-.00005	.00506	.00006	.00042	.00005
#2	.00085	-.0175	.00041	.00373	.00010	.00034	.00006
#3	-.00012	-.0179	.00057	.00389	.00003	.00042	-.00038

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00140	.00010	.00407	-.00019	.00188	-.00035	.00035
SDev	.00013	.00047	.00135	.00049	.00080	.00063	.00073
%RSD	9.1177	466.54	33.182	254.26	42.671	182.39	210.54
#1	.00126	-.00012	.00316	.00029	.00195	-.00067	-.00048
#2	.00141	.00063	.00343	-.00069	.00104	.00038	.00090
#3	.00151	-.00021	.00562	-.00018	.00263	-.00075	.00061

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	.00404	.00079	-.00127	.00087
SDev	.00109	.00307	.00199	.00115	.00136
%RSD	234.92	76.023	250.54	90.083	157.41
#1	.00068	.00050	.00268	-.00248	.00099
#2	-.00149	.00569	-.00128	-.00020	.00217
#3	-.00058	.00594	.00099	-.00114	-.00055

Method: KICAP Sample Name: CCVH1 Operator: CT
Run Time: 10/24/08 14:42:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.0190	-.00015	-.00000	.00003	49.15	-.00011
SDev	.00031	.0020	.00034	.00010	.00002	.20	.00006
%RSD	4424.3	10.53	227.67	531890.	59.722	.4012	56.865
#1	-.00036	.0213	-.00040	-.00006	.00003	49.38	-.00010
#2	.00024	.0178	.00024	.00012	.00004	49.05	-.00006
#3	.00009	.0178	-.00029	-.00006	.00001	49.02	-.00018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00081	5.0207	-.00019	9.8822	-.0191	.0026	.00000
SDev	.00030	.0156	.00034	.0410	.0113	.0029	.00003
%RSD	37.628	.31023	174.15	.41517	58.95	110.8	1650.3
#1	-.00091	5.0315	-.00058	9.9267	-.0299	-.0005	-.00002
#2	-.00047	5.0277	-.00003	9.8742	-.0075	.0051	.00004
#3	-.00104	5.0028	.00003	9.8458	-.0199	.0032	-.00001
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	49.28	-.00005	.00016	.00020	.00069	-.00006
SDev	.00025	.20	.00046	.00110	.00001	.00014	.00039
%RSD	161.20	.4024	880.51	687.46	6.3409	19.954	620.59
#1	.00036	49.50	-.00005	.00058	.00019	.00060	-.00050
#2	-.00013	49.11	-.00051	.00100	.00021	.00085	.00004
#3	.00024	49.24	.00041	-.00109	.00020	.00062	.00026
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00176	-.00044	-.00081	9.9839	-.00033	-.00135	9.9322
SDev	.00021	.00062	.00117	.0566	.00104	.00097	.0522
%RSD	12.234	140.37	144.22	.56720	310.07	72.373	.52542
#1	.00152	-.00112	.00031	10.049	.00086	-.00177	9.9836
#2	.00183	.00008	-.00202	9.9475	-.00103	-.00023	9.8793
#3	.00193	-.00028	-.00071	9.9550	-.00084	-.00203	9.9338
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.8459	-.00123	.00011	-.00367	-.00018
SDev	.1423	.00284	.00035	.00141	.00094
%RSD	1.4449	231.50	316.56	38.320	514.22
#1	9.6891	.00190	.00034	-.00214	-.00084
#2	9.9667	-.00366	.00029	-.00398	.00089
#3	9.8818	-.00193	-.00029	-.00491	-.00060
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV1 Operator: CT
Run Time: 10/24/08 14:46:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24241	4.908	.49888	.49434	.49704	9.955	.50078
SDev	.00155	.046	.00541	.00364	.00457	.086	.00480
%RSD	.64079	.9440	1.0840	.73724	.91936	.8615	.95910
#1	.24063	4.856	.49264	.49031	.49181	9.857	.49529
#2	.24351	4.944	.50216	.49740	.50025	10.02	.50424
#3	.24308	4.925	.50184	.49530	.49907	9.993	.50280
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49779	.49890	.48882	.99154	9.855	9.964	.49447
SDev	.00497	.00415	.00387	.00676	.102	.107	.00443
%RSD	.99786	.83086	.79157	.68202	1.035	1.074	.89664
#1	.49208	.49416	.48471	.98409	9.848	9.840	.48945
#2	.50110	.50185	.49239	.99730	9.960	10.03	.49787
#3	.50020	.50069	.48938	.99323	9.756	10.02	.49608
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49853	10.04	.50023	.50265	.50761	.49475	.49278
SDev	.00794	.07	.00535	.00566	.00380	.00437	.00453
%RSD	1.5919	.6705	1.0695	1.1251	.74788	.88245	.91964
#1	.48936	10.01	.49405	.49634	.50337	.48987	.48762
#2	.50317	10.12	.50332	.50726	.51070	.49829	.49612
#3	.50305	9.997	.50332	.50434	.50876	.49609	.49461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49841	.49993	.49478	.49957	.48777	.49627	.50265
SDev	.00440	.00411	.00817	.00557	.00937	.00810	.00625
%RSD	.88252	.82210	1.6515	1.1146	1.9213	1.6316	1.2436
#1	.49348	.49526	.48540	.49314	.47751	.48693	.49613
#2	.50193	.50298	.49861	.50291	.48993	.50125	.50325
#3	.49983	.50155	.50034	.50266	.49587	.50064	.50858
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49803	.49076	.48627	.49107	.49862	
SDev	.00573	.01071	.00925	.01271	.00605	
%RSD	1.1505	2.1832	1.9020	2.5887	1.2133	
#1	.49165	.48119	.47567	.47696	.49191	
#2	.50274	.48876	.49052	.50163	.50031	
#3	.49970	.50234	.49264	.49462	.50365	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB1 Operator: CT
Run Time: 10/24/08 14:52:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.0180	.00050	-.00006	.00004	.0003	-.00004
SDev	.00036	.0022	.00025	.00000	.00001	.0005	.00005
%RSD	2458.2	12.06	49.792	.00372	10.710	178.4	113.92
#1	-.00042	.0177	.00066	-.00006	.00005	.0004	-.00001
#2	.00024	.0203	.00063	-.00006	.00005	.0006	-.00002
#3	.00014	.0160	.00021	-.00006	.00004	-.0003	-.00010

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	-.00032	.00014	-.00075	-.0160	.0019	-.00003
SDev	.00018	.00012	.00026	.00026	.0044	.0005	.00001
%RSD	530.28	38.007	178.53	35.072	27.27	28.53	56.485
#1	.00010	-.00036	-.00014	-.00054	-.0204	.0016	-.00001
#2	.00017	-.00018	.00035	-.00066	-.0117	.0025	-.00003
#3	-.00017	-.00040	.00023	-.00105	-.0159	.0016	-.00003

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	-.0236	.00041	-.00090	-.00002	.00008	.00005
SDev	.00087	.0003	.00041	.00059	.00004	.00005	.00025
%RSD	240.38	1.473	99.249	65.403	249.72	57.657	462.77
#1	.00061	-.0238	.00087	-.00145	.00002	.00003	.00000
#2	-.00061	-.0232	.00010	-.00028	-.00000	.00011	.00032
#3	-.00109	-.0237	.00026	-.00095	-.00007	.00011	-.00016

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00044	.00075	-.00052	-.00028	.00024	.00011	.00114
SDev	.00008	.00156	.00056	.00022	.00060	.00088	.00030
%RSD	17.209	207.65	108.46	80.303	242.99	831.33	25.977
#1	-.00038	.00122	.00013	-.00049	.00000	-.00026	.00145
#2	-.00053	.00202	-.00091	-.00004	-.00019	-.00053	.00112
#3	-.00043	-.00099	-.00077	-.00030	.00092	.00111	.00086

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00099	.00071	.00001	-.00339	.00185
SDev	.00043	.00235	.00042	.00191	.00214
%RSD	43.235	329.94	3511.4	56.230	115.33
#1	-.00146	-.00095	.00048	-.00142	.00106
#2	-.00062	-.00031	-.00013	-.00352	.00022
#3	-.00088	.00340	-.00031	-.00523	.00427

Method: KICAP Sample Name: LCS-8322 Operator: CT
Run Time: 10/24/08 14:56:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04882	1.030	.51528	.19768	.20818	10.26	.20298
SDev	.00028	.007	.00400	.00128	.00186	.09	.00167
%RSD	.57617	.7199	.77714	.64572	.89605	.9253	.82131
#1	.04850	1.023	.51113	.19633	.20643	10.18	.20131
#2	.04895	1.028	.51558	.19782	.20798	10.25	.20299
#3	.04902	1.038	.51913	.19887	.21014	10.36	.20464

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20360	.20686	.20474	1.0496	10.28	10.32	.20518
SDev	.00186	.00213	.00089	.0095	.15	.11	.00167
%RSD	.91407	1.0309	.43537	.90255	1.494	1.019	.81569
#1	.20164	.20475	.20384	1.0402	10.38	10.23	.20361
#2	.20383	.20681	.20476	1.0494	10.36	10.31	.20499
#3	.20534	.20902	.20562	1.0591	10.11	10.44	.20694

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20006	10.40	.20857	.20665	.21007	.20584	.20676
SDev	.00199	.04	.00186	.00251	.00136	.00162	.00160
%RSD	.99649	.4292	.88972	1.2137	.64950	.78625	.77168
#1	.19776	10.41	.20677	.20676	.20868	.20414	.20513
#2	.20127	10.44	.20847	.20409	.21010	.20603	.20681
#3	.20115	10.35	.21047	.20910	.21141	.20736	.20832

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21274	.20849	.20716	.20535	.20637	.21317	.20912
SDev	.00184	.00199	.00252	.00238	.00351	.00181	.00270
%RSD	.86258	.95331	1.2156	1.1610	1.6997	.85123	1.2937
#1	.21122	.20626	.20425	.20268	.20312	.21108	.20720
#2	.21223	.21009	.20875	.20614	.20591	.21401	.20794
#3	.21478	.20912	.20846	.20725	.21009	.21441	.21221

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.20348	.21216	.20348	.20545	.21652
SDev	.00266	.00417	.00367	.00700	.00093
%RSD	1.3069	1.9637	1.8061	3.4046	.42928
#1	.20042	.21043	.19946	.19764	.21705
#2	.20524	.20914	.20430	.21113	.21545
#3	.20477	.21691	.20668	.20759	.21706

Method: KICAP Sample Name: CCVH2 Operator: CT
Run Time: 10/24/08 15:31:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.0166	.00062	-.00006	.00002	49.18	-.00016
SDev	.00040	.0026	.00038	.00000	.00001	.41	.00004
%RSD	1130.0	15.71	61.239	.00448	31.852	.8243	26.920
#1	.00029	.0144	.00101	-.00006	.00002	48.82	-.00021
#2	.00009	.0161	.00025	-.00006	.00001	49.11	-.00016
#3	-.00049	.0195	.00060	-.00006	.00002	49.62	-.00013
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00115	5.0093	.00032	9.9007	-.0365	.0067	.00004
SDev	.00003	.0495	.00040	.0899	.0022	.0044	.00009
%RSD	2.2291	.98715	125.89	.90833	5.936	66.72	225.70
#1	-.00118	4.9628	.00076	9.8128	-.0386	.0117	.00014
#2	-.00115	5.0039	.00021	9.8967	-.0343	.0051	.00000
#3	-.00113	5.0612	-.00002	9.9926	-.0365	.0032	-.00002
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00032	49.49	-.00010	.00044	.00026	.00072	-.00004
SDev	.00099	.29	.00024	.00029	.00009	.00015	.00025
%RSD	309.31	.5861	225.88	65.772	34.660	20.756	550.16
#1	-.00037	49.28	-.00036	.00042	.00034	.00088	.00021
#2	.00145	49.38	.00010	.00016	.00028	.00070	-.00006
#3	-.00013	49.82	-.00005	.00074	.00016	.00058	-.00028
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00133	-.00105	-.00119	10.018	.00187	-.00002	9.9658
SDev	.00038	.00090	.00240	.076	.00185	.00117	.0559
%RSD	28.633	85.683	201.30	.76202	99.222	5965.4	.56089
#1	.00107	-.00200	-.00379	9.9527	-.00010	-.00094	9.9347
#2	.00116	-.00094	-.00074	9.9998	.00357	.00130	9.9325
#3	.00177	-.00021	.00095	10.102	.00213	-.00041	10.030
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.8515	.00275	.00143	-.00544	.00219
SDev	.1055	.00304	.00184	.00402	.00124
%RSD	1.0705	110.69	129.20	73.888	56.603
#1	9.7368	-.00064	.00016	-.01006	.00286
#2	9.9443	.00363	.00354	-.00350	.00294
#3	9.8734	.00524	.00057	-.00276	.00076
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV2 Operator: CT
Run Time: 10/24/08 15:35:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24356	4.946	.50273	.49790	.49964	10.08	.50392
SDev	.00094	.021	.00293	.00296	.00247	.03	.00179
%RSD	.38654	.4319	.58343	.59515	.49477	.2617	.35521
#1	.24274	4.927	.49992	.49565	.49764	10.06	.50212
#2	.24336	4.942	.50248	.49679	.49889	10.07	.50394
#3	.24459	4.969	.50577	.50126	.50241	10.11	.50570
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50076	.50233	.49298	.99848	9.916	10.00	.49643
SDev	.00183	.00131	.00238	.00267	.069	.05	.00245
%RSD	.36447	.26108	.48380	.26724	.6931	.4608	.49271
#1	.49914	.50186	.49104	.99758	9.952	9.962	.49428
#2	.50041	.50132	.49227	.99638	9.959	9.997	.49592
#3	.50274	.50382	.49564	1.0015	9.837	10.05	.49909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50268	10.10	.50527	.50353	.51151	.49679	.49660
SDev	.00729	.00	.00307	.00471	.00289	.00307	.00206
%RSD	1.4509	.0133	.60673	.93464	.56531	.61762	.41488
#1	.49505	10.10	.50193	.49824	.50932	.49420	.49503
#2	.50341	10.10	.50594	.50509	.51043	.49601	.49585
#3	.50959	10.10	.50795	.50725	.51479	.50018	.49893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50100	.50207	.49921	.50301	.49418	.50170	.50642
SDev	.00274	.00151	.00564	.00307	.00406	.00589	.00344
%RSD	.54685	.30157	1.1296	.61030	.82206	1.1747	.67927
#1	.49876	.50048	.49273	.50306	.48950	.49495	.51022
#2	.50018	.50224	.50189	.50605	.49673	.50581	.50554
#3	.50405	.50349	.50301	.49991	.49633	.50435	.50351
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50131	.49689	.49284	.49404	.50553	
SDev	.00439	.00220	.00685	.01412	.00182	
%RSD	.87515	.44367	1.3905	2.8570	.36055	
#1	.49949	.49843	.48504	.47797	.50343	
#2	.50631	.49436	.49791	.50444	.50649	
#3	.49812	.49786	.49556	.49970	.50667	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB2 Operator: CT
Run Time: 10/24/08 15:39:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.0105	.00117	-.00006	.00002	-.0040	-.00005
SDev	.00035	.0010	.00053	.00000	.00001	.0011	.00003
%RSD	148.42	9.640	45.547	.00173	49.373	27.00	54.512
#1	.00007	.0099	.00175	-.00006	.00003	-.0034	-.00008
#2	-.00061	.0117	.00108	-.00006	.00001	-.0052	-.00004
#3	-.00016	.0099	.00069	-.00006	.00001	-.0033	-.00003

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	-.00057	.00022	-.00087	-.0297	-.0015	-.00010
SDev	.00014	.00011	.00016	.00014	.0079	.0019	.00004
%RSD	50.019	19.501	72.211	16.074	26.62	128.1	35.973
#1	-.00041	-.00062	.00035	-.00088	-.0367	-.0021	-.00012
#2	-.00027	-.00066	.00004	-.00100	-.0313	-.0030	-.00012
#3	-.00014	-.00045	.00029	-.00072	-.0211	.0006	-.00006

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00121	-.0228	.00005	-.00117	-.00003	-.00021	-.00009
SDev	.00087	.0006	.00024	.00206	.00001	.00000	.00017
%RSD	72.109	2.528	461.81	175.83	38.579	.03243	187.66
#1	.00218	-.0231	.00026	-.00346	-.00002	-.00021	-.00005
#2	.00048	-.0231	-.00021	.00055	-.00002	-.00021	-.00027
#3	.00097	-.0221	.00010	-.00062	-.00004	-.00021	.00006

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00000	.00167	-.00114	-.00027	.00381	-.00057	.00204
SDev	.00013	.00098	.00155	.00062	.00180	.00158	.00117
%RSD	78746.	58.929	136.35	227.49	47.324	276.62	57.304
#1	-.00002	.00126	-.00260	.00044	.00215	-.00019	.00316
#2	-.00012	.00278	.00049	-.00069	.00356	.00078	.00083
#3	.00014	.00095	-.00130	-.00056	.00573	-.00230	.00212

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00142	.00565	.00290	-.00266	.00097
SDev	.00049	.00211	.00170	.00216	.00079
%RSD	34.541	37.380	58.910	81.142	81.178
#1	-.00092	.00340	.00153	-.00281	.00187
#2	-.00145	.00598	.00235	-.00043	.00063
#3	-.00190	.00759	.00481	-.00473	.00041

Method: KICAP Sample Name: 0810110-001C Operator: CT
Run Time: 10/24/08 15:43:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.0643	.14918	.33199	-.00003	205.6	-.00079
SDev	.00056	.0020	.00201	.00318	.00000	2.3	.00005
%RSD	667.91	3.100	1.3498	.95765	17.145	1.102	6.6480
#1	.00016	.0632	.14720	.32861	-.00003	203.2	-.00080
#2	-.00072	.0632	.14912	.33246	-.00003	205.8	-.00084
#3	.00031	.0666	.15123	.33491	-.00003	207.8	-.00073

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00257	.00219	.00088	1.8251	7.329	32.95	.55173
SDev	.00044	.00014	.00026	.0207	.015	.37	.00565
%RSD	17.155	6.3005	29.048	1.1367	.2076	1.129	1.0235
#1	-.00225	.00230	.00108	1.8031	7.319	32.57	.54582
#2	-.00307	.00203	.00059	1.8279	7.347	32.97	.55231
#3	-.00239	.00224	.00096	1.8443	7.322	33.32	.55707

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00457	788.3	.00231	-.00360	.94933	-.00163	.00040
SDev	.00081	6.6	.00047	.00147	.01003	.00023	.00049
%RSD	17.626	.8357	20.420	40.943	1.0561	14.272	121.12
#1	.00498	781.5	.00272	-.00404	.93860	-.00150	.00040
#2	.00510	788.6	.00180	-.00195	.95091	-.00190	-.00009
#3	.00365	794.7	.00241	-.00480	.95847	-.00150	.00088

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01279	.00139	-.00542	.00128	.00150	-.00024	.00177
SDev	.00469	.00101	.00116	.00045	.00054	.00116	.00198
%RSD	36.634	72.238	21.326	34.806	35.913	486.26	111.85
#1	.00889	.00207	-.00491	.00078	.00089	.00106	.00071
#2	.01150	.00024	-.00461	.00142	.00192	-.00117	.00406
#3	.01799	.00186	-.00675	.00165	.00168	-.00060	.00054

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00104	.00565	-.00057	-.00297	.00163
SDev	.00107	.00464	.00161	.00490	.00112
%RSD	102.60	82.198	281.71	164.81	68.523
#1	.00082	.00136	.00066	.00204	.00132
#2	.00010	.01058	-.00240	-.00775	.00286
#3	.00220	.00502	.00002	-.00321	.00070

Method: KICAP Sample Name: 0810110-002C Operator: CT
Run Time: 10/24/08 15:47:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	2.896	.05517	.26267	.00010	110.6	-.00056
SDev	.00011	.007	.00033	.00102	.00001	.7	.00005
%RSD	36.218	.2255	.60537	.38651	13.066	.6513	8.4922
#1	-.00023	2.889	.05482	.26159	.00008	109.9	-.00061
#2	-.00044	2.897	.05520	.26282	.00010	110.7	-.00051
#3	-.00027	2.902	.05549	.26361	.00011	111.3	-.00055

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.00664	.00806	4.4480	6.070	23.71	.12649
SDev	.00012	.00017	.00011	.0273	.031	.18	.00070
%RSD	53.277	2.4953	1.3309	.61407	.5132	.7478	.55448
#1	-.00036	.00645	.00800	4.4195	6.087	23.53	.12577
#2	-.00015	.00670	.00800	4.4504	6.089	23.73	.12652
#3	-.00015	.00677	.00818	4.4739	6.034	23.88	.12717

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00209	1066.	.00630	-.00249	.60220	.07113	.00565
SDev	.00012	4.	.00009	.00176	.00232	.00042	.00027
%RSD	5.7872	.3616	1.4138	70.661	.38475	.59654	4.7016
#1	.00221	1062.	.00625	-.00073	.59976	.07108	.00547
#2	.00209	1067.	.00625	-.00249	.60246	.07073	.00552
#3	.00197	1070.	.00641	-.00425	.60438	.07158	.00596

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03588	.00235	-.00225	.00343	.00894	-.00019	.00442
SDev	.00036	.00023	.00257	.00064	.00090	.00086	.00104
%RSD	.99398	9.7406	114.29	18.658	10.064	446.06	23.615
#1	.03551	.00231	-.00522	.00273	.00996	.00075	.00327
#2	.03592	.00260	-.00064	.00359	.00864	-.00040	.00530
#3	.03622	.00215	-.00090	.00398	.00823	-.00093	.00469

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00294	.01156	.00764	-.00335	.00138
SDev	.00061	.00071	.00122	.00225	.00076
%RSD	20.810	6.1450	16.004	67.160	55.288
#1	.00246	.01177	.00905	-.00092	.00158
#2	.00273	.01214	.00689	-.00376	.00203
#3	.00363	.01077	.00697	-.00536	.00054

Method: KICAP Sample Name: 0810110-002CMS Operator: CT
Run Time: 10/24/08 15:50:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04812	3.832	.54874	.45147	.19615	120.4	.18841
SDev	.00016	.041	.00671	.00477	.00201	1.3	.00192
%RSD	.33460	1.066	1.2230	1.0566	1.0226	1.108	1.0200
#1	.04826	3.800	.54378	.44773	.19453	119.3	.18703
#2	.04815	3.817	.54605	.44984	.19553	120.0	.18761
#3	.04794	3.878	.55637	.45684	.19839	121.9	.19061

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19092	.19888	.20866	5.4127	18.32	33.12	.31982
SDev	.00182	.00241	.00181	.0587	.01	.38	.00339
%RSD	.95538	1.2107	.86968	1.0848	.0632	1.133	1.0588
#1	.18953	.19676	.20749	5.3642	18.32	32.81	.31716
#2	.19025	.19840	.20774	5.3959	18.30	33.02	.31866
#3	.19299	.20150	.21075	5.4780	18.33	33.54	.32363

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19161	1080.	.20133	.19126	.79984	.24849	.20208
SDev	.00472	9.	.00149	.00472	.00830	.00249	.00196
%RSD	2.4634	.8206	.73993	2.4655	1.0375	1.0011	.97050
#1	.18738	1072.	.20025	.18854	.79347	.24648	.20039
#2	.19077	1078.	.20071	.18854	.79683	.24771	.20163
#3	.19670	1089.	.20303	.19671	.80923	.25127	.20423

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23906	.20343	.19115	.19589	.20508	.20584	.19765
SDev	.00255	.00271	.00650	.00259	.00125	.00159	.00451
%RSD	1.0652	1.3348	3.3981	1.3238	.60736	.77151	2.2801
#1	.23730	.20231	.18751	.19290	.20366	.20404	.19250
#2	.23791	.20146	.18730	.19731	.20558	.20643	.19954
#3	.24198	.20653	.19865	.19746	.20599	.20705	.20090

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19501	.20982	.20271	.19951	.20801
SDev	.00168	.00344	.00041	.00101	.00221
%RSD	.86009	1.6416	.20102	.50384	1.0612
#1	.19309	.20584	.20257	.19883	.20590
#2	.19620	.21197	.20239	.20066	.20782
#3	.19574	.21164	.20317	.19903	.21030

Method: KICAP Sample Name: 0810110-002CMSD Operator: CT
Run Time: 10/24/08 15:54:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04878	4.031	.56307	.45828	.20043	121.8	.19295
SDev	.00065	.023	.00450	.00283	.00159	1.0	.00175
%RSD	1.3422	.5719	.79986	.61771	.79190	.8372	.90654
#1	.04811	4.007	.55919	.45614	.19901	120.9	.19154
#2	.04880	4.035	.56200	.45720	.20013	121.6	.19241
#3	.04942	4.053	.56801	.46149	.20214	122.9	.19491

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19600	.20357	.21270	5.5259	18.66	33.64	.32454
SDev	.00201	.00226	.00156	.0458	.02	.32	.00256
%RSD	1.0247	1.1102	.73461	.82965	.1100	.9390	.78971
#1	.19391	.20129	.21179	5.4832	18.67	33.34	.32226
#2	.19617	.20361	.21180	5.5201	18.68	33.60	.32404
#3	.19792	.20581	.21450	5.5743	18.64	33.97	.32731

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19702	1087.	.20627	.19830	.80957	.25943	.20606
SDev	.00163	6.	.00233	.00390	.00579	.00194	.00195
%RSD	.83008	.5804	1.1304	1.9641	.71543	.74597	.94814
#1	.19537	1082.	.20411	.19391	.80480	.25745	.20423
#2	.19706	1085.	.20597	.19967	.80790	.25954	.20585
#3	.19864	1094.	.20874	.20133	.81601	.26131	.20812

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24435	.20829	.20090	.19881	.20843	.20995	.20345
SDev	.00211	.00176	.00398	.00333	.00169	.00567	.00283
%RSD	.86243	.84383	1.9788	1.6739	.80980	2.6999	1.3918
#1	.24264	.20848	.19765	.19518	.20656	.20346	.20408
#2	.24370	.20645	.19973	.19954	.20889	.21245	.20035
#3	.24671	.20995	.20533	.20171	.20984	.21394	.20591

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19649	.21466	.20532	.20253	.21290
SDev	.00500	.00430	.00374	.00963	.00381
%RSD	2.5438	2.0011	1.8220	4.7540	1.7906
#1	.19073	.21732	.20119	.19153	.20867
#2	.19914	.20970	.20848	.20940	.21398
#3	.19962	.21695	.20629	.20667	.21606

Method: KICAP Sample Name: 0810110-002CSD Operator: CT
Run Time: 10/24/08 15:57:41
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	2.885	.07360	.26702	.00042	115.3	-.00092
SDev	.00268	.026	.00451	.00091	.00019	.2	.00045
%RSD	1825.1	.9182	6.1292	.34144	46.340	.2012	48.838
#1	-.00242	2.908	.07867	.26731	.00065	115.0	-.00065
#2	-.00007	2.891	.07211	.26775	.00031	115.5	-.00144
#3	.00293	2.856	.07002	.26600	.00031	115.3	-.00067

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00274	.00453	.00794	4.5865	4.867	24.96	.13072
SDev	.00138	.00151	.00276	.0105	.032	.11	.00007
%RSD	50.152	33.349	34.698	.22828	.6546	.4490	.05462
#1	-.00263	.00380	.00620	4.5788	4.904	24.84	.13068
#2	-.00417	.00352	.00651	4.5984	4.853	24.97	.13081
#3	-.00143	.00626	.01111	4.5822	4.845	25.06	.13068

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00750	1039.	.00692	-.00996	.62217	.06777	.00459
SDev	.00152	6.	.00089	.00465	.00174	.00411	.00109
%RSD	20.319	.5601	12.900	46.730	.28021	6.0710	23.713
#1	.00911	1043.	.00743	-.00578	.62233	.07053	.00397
#2	.00730	1042.	.00589	-.01498	.62383	.06973	.00396
#3	.00609	1032.	.00743	-.00911	.62035	.06304	.00585

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04342	.00099	.00275	.00156	.01800	.00115	.01336
SDev	.00039	.00288	.00498	.00171	.01040	.00401	.00470
%RSD	.90016	290.04	181.26	110.13	57.770	347.94	35.216
#1	.04299	-.00040	.00850	.00033	.02998	.00378	.01215
#2	.04351	-.00092	-.00022	.00082	.01278	-.00347	.00937
#3	.04376	.00431	-.00003	.00351	.01124	.00315	.01854

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00434	.02633	.01384	-.02031	.00937
SDev	.00110	.00706	.01295	.00330	.00395
%RSD	25.465	26.812	93.576	16.241	42.108
#1	-.00557	.03318	.02838	-.02403	.01392
#2	-.00345	.01908	.00964	-.01773	.00740
#3	-.00399	.02673	.00351	-.01917	.00680

Method: KICAP Sample Name: 0810110-002CPDS Operator: CT
Run Time: 10/24/08 16:01:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04738	3.832	.56028	.44344	.19255	117.9	.18541
SDev	.00058	.036	.00736	.00442	.00212	1.4	.00198
%RSD	1.2281	.9384	1.3131	.99772	1.1005	1.195	1.0693
#1	.04744	3.798	.55340	.43906	.19067	116.6	.18374
#2	.04676	3.829	.55940	.44335	.19214	117.7	.18489
#3	.04792	3.869	.56803	.44791	.19485	119.4	.18760

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18770	.20439	.20614	5.3626	18.06	32.52	.31394
SDev	.00238	.00619	.00221	.0696	.03	.41	.00337
%RSD	1.2658	3.0289	1.0739	1.2984	.1661	1.274	1.0745
#1	.18549	.19866	.20392	5.2846	18.06	32.16	.31063
#2	.18740	.21096	.20614	5.3848	18.09	32.43	.31380
#3	.19021	.20354	.20835	5.4185	18.03	32.98	.31738

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19032	1055.	.20143	.18962	.78350	.26390	.19850
SDev	.00499	9.	.00371	.00160	.00830	.00180	.00229
%RSD	2.6209	.8102	1.8398	.84472	1.0595	.68212	1.1534
#1	.18459	1047.	.19716	.18780	.77549	.26193	.19639
#2	.19270	1055.	.20380	.19079	.78294	.26433	.19818
#3	.19367	1064.	.20334	.19028	.79207	.26545	.20093

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24021	.20083	.19125	.19332	.20042	.20321	.19811
SDev	.00428	.00183	.00156	.00308	.00156	.00384	.00321
%RSD	1.7796	.90891	.81769	1.5910	.78085	1.8907	1.6185
#1	.23665	.19920	.19058	.19063	.19979	.19968	.19678
#2	.23902	.20048	.19012	.19265	.19928	.20266	.19578
#3	.24495	.20280	.19303	.19668	.20221	.20730	.20177

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19093	.20645	.19741	.19437	.20663
SDev	.00329	.00373	.00292	.00266	.00405
%RSD	1.7218	1.8073	1.4791	1.3663	1.9626
#1	.18757	.20234	.19851	.19165	.20293
#2	.19109	.20963	.19410	.19451	.20599
#3	.19413	.20737	.19963	.19696	.21097

Method: KICAP Sample Name: 0810110-003C Operator: CT
Run Time: 10/24/08 16:04:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.3052	.16764	.26373	-.00001	296.3	-.00053
SDev	.00014	.0036	.00074	.00112	.00005	1.9	.00009
%RSD	53.288	1.190	.43980	.42320	407.45	.6464	17.394
#1	-.00011	.3092	.16850	.26300	.00005	294.9	-.00046
#2	-.00029	.3040	.16722	.26317	-.00003	295.5	-.00064
#3	-.00039	.3022	.16722	.26501	-.00006	298.5	-.00050

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00426	.00212	.00600	31.342	9.908	27.34	.65405
SDev	.00017	.00018	.00019	.186	.256	.19	.00339
%RSD	3.8804	8.6725	3.1882	.59255	2.589	.7025	.51812
#1	-.00414	.00230	.00614	31.243	10.17	27.20	.65156
#2	-.00445	.00193	.00608	31.226	9.906	27.26	.65268
#3	-.00419	.00214	.00578	31.556	9.652	27.56	.65791

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01265	14.05	.00467	-.00044	1.1511	.00139	.00145
SDev	.00067	.24	.00009	.00239	.0051	.00007	.00003
%RSD	5.2676	1.704	1.9103	538.50	.44674	4.8250	2.0660
#1	.01342	14.31	.00472	.00223	1.1473	.00144	.00147
#2	.01221	14.01	.00457	-.00236	1.1490	.00142	.00141
#3	.01233	13.83	.00472	-.00120	1.1569	.00131	.00146

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08396	.02993	-.00712	.00220	.00274	.00266	.00319
SDev	.00420	.00034	.00109	.00077	.00162	.00156	.00045
%RSD	4.9979	1.1524	15.318	35.216	59.321	58.658	13.993
#1	.07984	.03001	-.00588	.00257	.00458	.00441	.00370
#2	.08823	.03023	-.00794	.00131	.00208	.00211	.00284
#3	.08381	.02956	-.00754	.00273	.00154	.00144	.00304

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00171	.00343	.00239	.00062	.00342
SDev	.00104	.00351	.00328	.00212	.00164
%RSD	61.078	102.25	137.17	340.18	47.927
#1	.00200	.00196	.00590	.00151	.00511
#2	.00055	.00744	-.00060	-.00179	.00331
#3	.00257	.00090	.00187	.00215	.00184

Method: KICAP Sample Name: 0810110-004C Operator: CT
Run Time: 10/24/08 16:08:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.7556	.23993	.33480	-.00001	247.5	-.00074
SDev	.00018	.0097	.00272	.00205	.00002	2.5	.00011
%RSD	917.77	1.279	1.1351	.61101	229.64	1.012	15.354
#1	.00007	.7574	.23717	.33299	-.00002	245.1	-.00086
#2	-.00023	.7643	.24001	.33439	-.00001	247.4	-.00074
#3	.00009	.7452	.24262	.33702	.00001	250.1	-.00063

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00332	.00343	.00786	12.439	12.06	32.79	.38265
SDev	.00048	.00057	.00019	.132	.13	.38	.00346
%RSD	14.379	16.688	2.4117	1.0618	1.081	1.171	.90494
#1	-.00383	.00282	.00790	12.309	12.17	32.41	.37929
#2	-.00325	.00354	.00765	12.435	12.10	32.78	.38247
#3	-.00288	.00395	.00803	12.573	11.92	33.18	.38621

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00332	34.31	.00385	-.00281	1.2628	.01423	.00262
SDev	.00049	.22	.00039	.00197	.0089	.00110	.00022
%RSD	14.735	.6401	10.083	70.327	.70160	7.7464	8.3364
#1	.00360	34.06	.00426	-.00464	1.2550	.01452	.00250
#2	.00360	34.39	.00349	-.00306	1.2611	.01515	.00288
#3	.00275	34.47	.00380	-.00072	1.2724	.01301	.00249

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03294	.01067	-.00946	.00243	.00503	-.00067	.00241
SDev	.00054	.00076	.00232	.00054	.00114	.00123	.00086
%RSD	1.6335	7.1604	24.526	22.135	22.730	185.26	35.630
#1	.03247	.01035	-.01211	.00192	.00549	-.00019	.00244
#2	.03282	.01154	-.00846	.00239	.00373	.00026	.00153
#3	.03353	.01012	-.00780	.00299	.00587	-.00207	.00325

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00245	.00768	.00370	-.00199	.00024
SDev	.00069	.00190	.00076	.00250	.00062
%RSD	28.070	24.770	20.672	125.93	253.25
#1	.00166	.00836	.00405	-.00305	.00049
#2	.00282	.00553	.00282	.00087	.00070
#3	.00287	.00916	.00423	-.00378	-.00046

Method: KICAP Sample Name: 0810110-005C Operator: CT
Run Time: 10/24/08 16:11:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00042	1.762	.24039	.35810	.00005	252.9	-.00068
SDev	.00048	.021	.00223	.00324	.00001	2.2	.00010
%RSD	114.91	1.208	.92622	.90520	27.931	.8567	14.653
#1	-.00014	1.751	.23804	.35488	.00005	250.4	-.00074
#2	-.00098	1.787	.24247	.36137	.00003	254.5	-.00074
#3	-.00014	1.749	.24068	.35804	.00006	253.7	-.00057

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00271	.00580	.00380	13.073	12.51	34.19	.40699
SDev	.00029	.00022	.00022	.128	.16	.29	.00339
%RSD	10.804	3.8866	5.7830	.98269	1.248	.8523	.83320
#1	-.00269	.00574	.00386	12.927	12.52	33.85	.40317
#2	-.00301	.00561	.00356	13.168	12.66	34.37	.40964
#3	-.00243	.00605	.00399	13.123	12.35	34.35	.40816

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00312	35.77	.00435	-.00029	1.2712	.03433	.00500
SDev	.00049	.29	.00018	.00257	.0112	.00215	.00016
%RSD	15.560	.8067	4.1004	879.50	.88398	6.2772	3.2917
#1	.00263	35.48	.00425	-.00221	1.2591	.03418	.00497
#2	.00360	36.06	.00425	.00262	1.2814	.03656	.00486
#3	.00312	35.76	.00456	-.00129	1.2732	.03226	.00518

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02551	.00938	-.00709	.00278	.00623	-.00054	.00303
SDev	.00071	.00186	.00237	.00057	.00161	.00103	.00036
%RSD	2.7952	19.838	33.402	20.675	25.877	190.51	11.981
#1	.02475	.00776	-.00438	.00340	.00600	-.00015	.00344
#2	.02561	.00897	-.00815	.00227	.00794	-.00170	.00273
#3	.02617	.01141	-.00875	.00265	.00474	.00023	.00293

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00265	.00694	.00587	-.00383	.00185
SDev	.00068	.00135	.00176	.00437	.00065
%RSD	25.660	19.416	29.920	114.15	34.878
#1	.00338	.00648	.00575	-.00228	.00166
#2	.00205	.00845	.00768	-.00877	.00258
#3	.00251	.00588	.00418	-.00045	.00132

Method: KICAP Sample Name: CCVH3 Operator: CT
Run Time: 10/24/08 16:18:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.0184	.00128	-.00012	.00002	48.79	-.00018
SDev	.00017	.0027	.00051	.00010	.00001	.36	.00003
%RSD	125.46	14.51	39.916	86.588	61.495	.7425	16.861
#1	.00001	.0213	.00173	-.00006	.00002	48.47	-.00015
#2	.00033	.0178	.00138	-.00006	.00004	48.73	-.00019
#3	.00007	.0161	.00072	-.00023	.00001	49.18	-.00021
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00123	4.9754	.00001	9.8443	-.0401	.0073	.00035
SDev	.00022	.0464	.00041	.0644	.0074	.0066	.00031
%RSD	18.025	.93182	7766.5	.65428	18.42	91.20	88.432
#1	-.00131	4.9238	.00014	9.7799	-.0486	.0145	.00069
#2	-.00097	4.9888	.00033	9.8443	-.0351	.0061	.00029
#3	-.00139	5.0136	-.00046	9.9087	-.0366	.0013	.00008
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00052	49.34	-.00041	.00206	.00026	.00061	.00001
SDev	.00168	.02	.00054	.00109	.00015	.00002	.00007
%RSD	321.68	.0473	131.14	52.844	57.461	3.9451	577.36
#1	.00097	49.32	.00010	.00092	.00040	.00059	.00005
#2	.00193	49.36	-.00098	.00309	.00028	.00064	.00005
#3	-.00134	49.36	-.00036	.00217	.00010	.00061	-.00007
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00214	-.00037	-.00157	9.9859	.00185	.00051	9.9476
SDev	.00092	.00139	.00125	.0296	.00290	.00084	.0401
%RSD	42.951	377.65	80.023	.29651	156.51	164.57	.40320
#1	.00137	.00054	-.00292	9.9602	-.00137	.00110	9.9139
#2	.00188	-.00197	-.00045	9.9793	.00426	-.00045	9.9370
#3	.00316	.00032	-.00133	10.018	.00267	.00088	9.9920
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.7909	.00293	.00131	-.00367	.00160
SDev	.1971	.00443	.00215	.00525	.00113
%RSD	2.0135	150.89	163.41	143.00	70.808
#1	9.5711	-.00189	-.00111	-.00467	.00248
#2	9.9522	.00682	.00298	-.00835	.00199
#3	9.8493	.00387	.00206	.00201	.00032
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV3 Operator: CT
Run Time: 10/24/08 16:22:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24398	4.961	.50353	.49945	.50015	10.09	.50359
SDev	.00147	.034	.00578	.00362	.00424	.08	.00410
%RSD	.60459	.6848	1.1477	.72449	.84738	.7853	.81492
#1	.24291	4.934	.49849	.49723	.49695	10.03	.50019
#2	.24336	4.951	.50226	.49749	.49855	10.06	.50243
#3	.24566	4.999	.50983	.50362	.50496	10.18	.50815
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50020	.50207	.49528	.99862	9.959	9.995	.49627
SDev	.00430	.00344	.00293	.00640	.090	.097	.00387
%RSD	.85928	.68443	.59104	.64118	.9037	.9720	.77930
#1	.49654	.49971	.49368	.99500	10.02	9.917	.49331
#2	.49914	.50049	.49350	.99484	10.00	9.965	.49485
#3	.50493	.50601	.49866	1.0060	9.855	10.10	.50064
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50188	10.11	.50486	.49990	.51084	.49766	.49678
SDev	.00748	.01	.00543	.00243	.00392	.00348	.00395
%RSD	1.4903	.1274	1.0753	.48629	.76686	.69914	.79484
#1	.49542	10.13	.50085	.49765	.50820	.49498	.49379
#2	.50014	10.11	.50270	.49957	.50898	.49640	.49530
#3	.51007	10.10	.51104	.50248	.51534	.50159	.50126
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50703	.50387	.49745	.49887	.48776	.49500	.50317
SDev	.00396	.00257	.00703	.00356	.01001	.00617	.00213
%RSD	.78162	.51009	1.4124	.71287	2.0525	1.2457	.42420
#1	.50465	.50268	.48934	.49509	.47642	.48804	.50120
#2	.50485	.50212	.50185	.50215	.49538	.49977	.50544
#3	.51161	.50682	.50115	.49938	.49148	.49718	.50287
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49673	.49247	.48541	.48491	.50029	
SDev	.00431	.00389	.01407	.01190	.00438	
%RSD	.86684	.78924	2.8985	2.4547	.87605	
#1	.49204	.49086	.46922	.47196	.49531	
#2	.50051	.49690	.49463	.49538	.50197	
#3	.49763	.48964	.49239	.48737	.50358	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB3 Operator: CT
Run Time: 10/24/08 16:27:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.0223	.00217	.00003	.00008	.0082	.00009
SDev	.00090	.0031	.00061	.00009	.00001	.0049	.00007
%RSD	1276.0	13.67	28.192	300.23	12.988	60.17	82.009
#1	-.00063	.0220	.00274	.00012	.00008	.0139	.00001
#2	-.00055	.0255	.00223	.00003	.00008	.0051	.00016
#3	.00097	.0194	.00153	-.00006	.00006	.0056	.00009

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	-.00012	-.00006	.00105	-.0179	.0050	.00003
SDev	.00047	.00037	.00028	.00129	.0125	.0039	.00005
%RSD	162.94	311.69	459.56	122.61	70.04	77.73	158.17
#1	.00000	-.00021	.00010	.00255	-.0251	.0063	.00004
#2	.00082	.00029	.00010	.00030	-.0034	.0081	.00007
#3	.00003	-.00043	-.00039	.00031	-.0251	.0006	-.00002

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00105	-.0065	-.00015	.00297	.00002	-.00008	-.00002
SDev	.00099	.0014	.00050	.00123	.00006	.00016	.00045
%RSD	93.976	21.58	321.68	41.370	319.23	207.43	2720.1
#1	.00218	-.0056	-.00051	.00373	.00006	-.00013	-.00037
#2	.00036	-.0081	-.00036	.00364	.00004	.00010	-.00016
#3	.00061	-.0057	.00041	.00155	-.00005	-.00021	.00049

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00003	.00227	-.00053	.00236	-.00021	.00127
SDev	.00018	.00132	.00148	.00041	.00284	.00067	.00423
%RSD	172.63	4324.3	65.383	77.407	120.36	324.23	333.28
#1	-.00007	.00105	.00393	-.00083	-.00066	-.00084	.00482
#2	.00009	.00037	.00182	-.00070	.00276	.00048	.00240
#3	.00029	-.00151	.00106	-.00006	.00498	-.00026	-.00341

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00143	.00126	.00291	-.00251	.00070
SDev	.00272	.00281	.00551	.00290	.00199
%RSD	190.34	222.60	189.64	115.42	286.39
#1	-.00365	.00320	-.00258	-.00353	.00125
#2	-.00225	.00255	.00286	-.00476	.00236
#3	.00161	-.00196	.00845	.00076	-.00152

Method: KICAP Sample Name: ICSA-FINAL Operator: CT
Run Time: 10/24/08 16:38:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	484.8	.00227	-.00072	-.00006	495.9	.00000
SDev	.00029	2.6	.00029	.00000	.00000	2.6	.00005
%RSD	508.77	.5453	12.601	.36802	6.1690	.5296	1074.4
#1	-.00036	485.4	.00260	-.00072	-.00006	496.3	-.00005
#2	.00022	481.9	.00208	-.00072	-.00006	493.1	.00003
#3	-.00004	487.1	.00214	-.00072	-.00005	498.3	.00004
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00265	-.00221	-.00136	181.85	-.0616	499.3	-.00003
SDev	.00011	.00020	.00037	.87	.0067	2.4	.00010
%RSD	4.3130	9.2065	27.364	.48046	10.94	.4867	372.56
#1	-.00268	-.00243	-.00133	182.09	-.0615	500.1	.00005
#2	-.00252	-.00203	-.00100	180.88	-.0550	496.5	.00002
#3	-.00274	-.00218	-.00174	182.58	-.0684	501.2	-.00015
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.0	
Range				20.000		20.00	

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00051	.0063	-.00002	.00123	.00034	.00168	.00054
SDev	.00182	.0116	.00039	.00071	.00004	.00006	.00019
%RSD	358.91	185.8	1603.4	57.887	11.442	3.7466	34.948
#1	.00236	.0191	.00038	.00205	.00039	.00164	.00066
#2	.00042	.0033	-.00005	.00080	.00033	.00175	.00063
#3	-.00127	-.0036	-.00040	.00084	.00031	.00165	.00032
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00139	-.00019	.00132	.00328	-.00049	.00044	.00188
SDev	.00006	.00293	.00141	.00109	.00191	.00021	.00201
%RSD	4.2477	1562.5	106.71	33.196	390.74	47.044	106.89
#1	.00146	.00266	.00047	.00242	-.00022	.00040	.00104
#2	.00134	-.00002	.00295	.00451	.00127	.00026	.00417
#3	.00138	-.00320	.00054	.00291	-.00252	.00067	.00043
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value Range					
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00398	.00607	-.00376	-.00714	.00398
SDev	.00080	.00254	.00324	.00177	.00051
%RSD	19.958	41.895	86.004	24.838	12.817
#1	.00311	.00894	-.00480	-.00869	.00419
#2	.00468	.00409	-.00014	-.00753	.00340
#3	.00415	.00519	-.00636	-.00521	.00435
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value Range					

Method: KICAP Sample Name: ICSAB-FINAL Operator: CT
Run Time: 10/24/08 16:41:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19603	481.0	.48424	.48525	.47531	494.2	.88253
SDev	.00081	2.6	.00319	.00250	.00227	2.5	.00408
%RSD	.41478	.5491	.65920	.51460	.47700	.4968	.46186
#1	.19529	478.4	.48057	.48282	.47301	491.7	.87805
#2	.19690	483.6	.48633	.48781	.47754	496.6	.88603
#3	.19589	480.9	.48583	.48510	.47538	494.3	.88351
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.0	.50000	.50000	.50000	500.0	1.0000
Range	20.000	20.00	20.000	20.000	20.000	20.00	20.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44797	.46270	.51144	181.32	4.956	496.6	.46677
SDev	.00218	.00236	.00255	.98	.034	2.6	.00233
%RSD	.48739	.50952	.49832	.54037	.6822	.5184	.50024
#1	.44571	.46006	.50913	180.28	4.918	493.9	.46433
#2	.45007	.46457	.51417	182.22	4.982	499.1	.46898
#3	.44812	.46349	.51101	181.45	4.968	496.7	.46702
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00		500.0	.50000
Range	20.000	20.000	20.000	20.000		20.00	20.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45034	.9553	.90702	.45934	.48854	.47669	.47566
SDev	.00183	.0047	.00570	.00845	.00271	.00241	.00300
%RSD	.40516	.4924	.62866	1.8391	.55398	.50601	.63141
#1	.44848	.9506	.90061	.45078	.48569	.47412	.47246
#2	.45212	.9600	.91153	.46767	.49108	.47891	.47842
#3	.45042	.9553	.90893	.45957	.48884	.47702	.47611
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000		1.0000	.50000	.50000	.50000	.50000
Range	20.000		20.000	20.000	20.000	20.000	20.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95994	.09801	.09891	.04808	.04726	.60638	.05470
SDev	.00498	.00177	.00087	.00256	.00257	.00702	.00651
%RSD	.51825	1.8016	.87893	5.3194	5.4370	1.1585	11.907
#1	.95483	.09895	.09971	.04525	.04677	.59830	.06202
#2	.96477	.09910	.09798	.05022	.05004	.60982	.04957
#3	.96023	.09597	.09903	.04878	.04497	.61103	.05250
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	1.0000	.10000	.10000	.05000	.05000	.60000
Range	20.000	20.000	20.000	20.000	20.000	20.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.04478	.05621	.04279	.58812	.61675	
SDev	.00708	.00237	.00429	.01878	.00501	
%RSD	15.818	4.2220	10.020	3.1926	.81293	
#1	.03687	.05894	.04069	.56807	.61414	
#2	.05054	.05467	.04772	.60529	.61357	
#3	.04692	.05501	.03995	.59099	.62253	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: CCVH4 Operator: CT
Run Time: 10/24/08 16:45:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.1714	.00323	.00006	.00017	49.32	.00018
SDev	.00034	.1227	.00069	.00010	.00011	.29	.00016
%RSD	699.33	71.57	21.503	173.57	62.153	.5801	88.330
#1	.00003	.3089	.00381	.00012	.00029	49.01	.00032
#2	.00024	.1321	.00343	.00012	.00014	49.39	.00020
#3	-.00042	.0732	.00246	-.00006	.00009	49.57	.00001
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	5.0239	-.00001	9.9711	-.0386	.1510	.00006
SDev	.00018	.0440	.00010	.0361	.0096	.1178	.00008
%RSD	22.917	.87602	1683.7	.36243	24.82	78.01	145.69
#1	-.00101	4.9736	-.00010	9.9312	-.0496	.2817	.00014
#2	-.00068	5.0429	-.00002	9.9806	-.0342	.1184	.00006
#3	-.00071	5.0553	.00010	10.002	-.0320	.0529	-.00003
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00262	49.71	.00046	.00109	.00032	.00084	.00005
SDev	.00074	.23	.00023	.00184	.00013	.00002	.00016
%RSD	28.329	.4556	50.949	169.69	40.386	2.8790	349.18
#1	.00327	49.45	.00072	-.00001	.00046	.00087	.00005
#2	.00278	49.80	.00026	.00321	.00030	.00083	.00021
#3	.00181	49.88	.00041	.00005	.00020	.00082	-.00012
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00213	-.00061	-.00053	10.050	.00214	-.00076	10.011
SDev	.00049	.00045	.00054	.080	.00136	.00077	.042
%RSD	22.890	73.444	101.46	.79960	63.814	101.38	.41982
#1	.00187	-.00105	-.00019	9.9608	.00226	-.00118	9.9627
#2	.00182	-.00015	-.00115	10.071	.00072	-.00122	10.040
#3	.00269	-.00062	-.00025	10.117	.00344	.00013	10.030
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.8827	.00416	.00113	-.00570	.00246
SDev	.1623	.00241	.00125	.00478	.00279
%RSD	1.6418	57.950	109.98	83.861	113.09
#1	9.6954	.00278	.00200	-.00157	.00052
#2	9.9804	.00275	-.00029	-.00459	.00122
#3	9.9722	.00694	.00169	-.01094	.00565
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV4 Operator: CT
Run Time: 10/24/08 16:48:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24278	4.934	.50230	.49571	.49881	10.10	.50414
SDev	.00156	.056	.00695	.00518	.00550	.09	.00490
%RSD	.64434	1.131	1.3839	1.0458	1.1034	.9036	.97273
#1	.24102	4.872	.49468	.49013	.49290	10.01	.49880
#2	.24332	4.951	.50392	.49661	.49974	10.11	.50517
#3	.24401	4.980	.50830	.50038	.50379	10.19	.50844
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50039	.50245	.49143	.99755	9.933	9.964	.49509
SDev	.00528	.00414	.00490	.00758	.110	.111	.00529
%RSD	1.0555	.82396	.99688	.75999	1.105	1.119	1.0681
#1	.49486	.49812	.48600	.98980	9.939	9.847	.48935
#2	.50092	.50286	.49276	.99790	10.04	9.977	.49614
#3	.50538	.50637	.49552	1.0050	9.821	10.07	.49977
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50285	10.09	.50532	.50309	.50809	.49482	.49583
SDev	.00813	.05	.00653	.00679	.00562	.00562	.00536
%RSD	1.6178	.4623	1.2925	1.3504	1.1065	1.1349	1.0810
#1	.49372	10.05	.49807	.49675	.50198	.48869	.49017
#2	.50547	10.14	.50718	.50224	.50925	.49608	.49650
#3	.50934	10.08	.51073	.51026	.51304	.49970	.50082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49975	.50321	.49809	.50168	.49229	.49728	.50723
SDev	.00485	.00558	.00636	.00147	.00519	.00198	.00216
%RSD	.97117	1.1089	1.2775	.29219	1.0538	.39790	.42626
#1	.49443	.49687	.49075	.50022	.48682	.49527	.50536
#2	.50089	.50737	.50184	.50315	.49714	.49922	.50960
#3	.50394	.50539	.50170	.50165	.49290	.49734	.50674
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49890	.49899	.48894	.48616	.50258	
SDev	.00115	.00377	.00635	.00650	.00068	
%RSD	.23125	.75507	1.2990	1.3361	.13560	
#1	.49766	.49682	.48183	.47916	.50181	
#2	.49993	.50335	.49405	.49200	.50283	
#3	.49911	.49681	.49095	.48731	.50310	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB4 Operator: CT
Run Time: 10/24/08 16:52:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.0142	.00347	.00012	.00021	.0065	.00011
SDev	.00036	.0038	.00128	.00017	.00018	.0031	.00021
%RSD	137.29	26.43	36.957	150.02	85.087	46.92	194.58
#1	-.00012	.0185	.00485	.00029	.00042	.0096	.00034
#2	.00031	.0125	.00322	.00012	.00015	.0063	.00004
#3	.00059	.0116	.00233	-.00006	.00007	.0036	-.00006

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	-.00039	.00002	-.00027	-.0202	.0022	.00006
SDev	.00024	.00023	.00035	.00060	.0011	.0036	.00018
%RSD	116.59	57.303	1785.9	225.61	5.367	161.0	293.34
#1	.00003	-.00014	.00041	.00042	-.0192	.0063	.00026
#2	-.00021	-.00049	-.00027	-.00053	-.0199	.0006	.00000
#3	-.00045	-.00056	-.00008	-.00069	-.0213	-.0003	-.00008

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00295	-.0168	.00026	.00058	.00013	-.00003	.00038
SDev	.00202	.0038	.00031	.00108	.00023	.00030	.00011
%RSD	68.437	22.81	120.21	185.57	173.00	1130.9	28.802
#1	.00521	-.0125	.00057	.00089	.00039	.00018	.00049
#2	.00133	-.0179	-.00005	-.00062	.00008	.00010	.00038
#3	.00230	-.0199	.00026	.00147	-.00007	-.00037	.00027

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	-.00045	-.00071	.00018	.00222	.00009	-.00032
SDev	.00015	.00048	.00200	.00084	.00158	.00304	.00069
%RSD	81.560	108.41	282.70	457.01	71.052	3480.6	211.31
#1	.00034	-.00001	.00160	-.00075	.00154	.00320	.00045
#2	.00003	-.00097	-.00175	.00043	.00111	-.00289	-.00085
#3	.00019	-.00036	-.00197	.00086	.00403	-.00005	-.00057

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.00187	.00240	-.00013	.00045
SDev	.00156	.00028	.00251	.00286	.00248
%RSD	358.88	15.101	104.47	2123.7	554.28
#1	-.00135	.00199	.00131	.00147	.00331
#2	.00107	.00207	.00062	-.00344	-.00111
#3	.00158	.00154	.00527	.00157	-.00086

Laboratory Worksheets

LIFE SCIENCE LABORATORIES, INC.

TRACE METALS WATER DIGESTION LOGBOOK **QC BATCH #** 8322 **Date:** 10/23/08

Sample ID	Client ID	Initial Volume (mL)	Final Volume (mL)	Method	Comments
MB-8322		50	50	2.)	
LCS-8322					A+B
0810039-001C	[redacted]				
002C					
003C					
0810095-001C					
002C					
003C					
0810110-001C	Beardsley				
002C					
002CMS					A+B
002CMSD					A+B
003C					
004C					
005C					
0810140-001D	[redacted]				
0810143-001C	[redacted]				
002C					
003C					

MT 10-23-08

Reagents/soln #

conc. HNO_3 # J.T. Baker 917027 conc. HCl # J.T. Baker 605039

(1:1) HNO_3 # — (1:1) HCl # —

(A) 0.5 mL of ICP Spike soln # 7556-S

(B) 0.5 mL of ICP Spike soln # 7557-S

(C) — mL of — Spike soln # —

1.) EPA SW-846 3010A, 1986 2.) EPA SW-846 3005A, 1986

3.) EPA SW-846 3020A, 1986 4.) EPA Method 200.2 Revision 2.8 May 1994

Prepared By: [signature]

Date: 10/23/08

Reviewed By: [signature]

Date: 10/24/08

Digestion Temperature 92 °C

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6334-S	3/8/07	10/31/10	Al - 10,000 ppm	Stock, Received 100 mL	100 mL	10,000 ppm	AccuSTD	B5105043	CT
6335-S		9/30/10	Sb - 1000 ppm			1,000 ppm		B5095031	
6336-S		2/28/11	As - 1000 ppm					B5115036	
6337-S		9/30/10	Ba - 1000 ppm					B5025074	
6338-S		7/31/11	Be - 1000 ppm					B5115083	
6339-S		8/31/11	B - 1000 ppm					B6085025	
6340-S		11/30/11	Cd - 1000 ppm					B6115069	
6341-S		8/31/011	Ca - 10,000 ppm			10,000 ppm		B6065137	
6342-S		6/30/11	Cr - 1000 ppm			1,000 ppm		B6065124	
6343-S		12/31/11	Co - 1000 ppm					B6125064	
6344-S		9/30/11	Fe - 1000 ppm					B6035048	
6345-S		8/31/11	Pb - 1000 ppm					B6075096	
6346-S		9/30/10	Mg - 10,000 ppm			10,000 ppm		B5015118	
6347-S		6/30/11	Mn - 1000 ppm			1,000 ppm		B6065026	
6348-S		7/31/11	Mo - 1000 ppm					B6065081	
6349-S		6/30/11	Ni - 1000 ppm					B4065040	
6350-S		9/30/10	K - 10,000 ppm			10,000 ppm		B5075123	
6351-S		6/30/11	Se - 1000 ppm			1,000 ppm		B6065129	
6352-S		12/31/11	Ag - 1000 ppm					B6125004	
6353-S		7/31/11	Na - 10,000 ppm			10,000 ppm		B6025117	
6354-S		9/30/10	Sr - 1000 ppm			1,000 ppm		B5035151	
6355-S		5/31/11	Tl - 1000 ppm					B6055036	
6356-S		1/31/11	Sn - 1000 ppm					B6015089	
6357-S		9/30/10	Ti - 1000 ppm					B5085113	
6358-S		2/28/12	V - 1000 ppm					B7025121	
6359-S		2/28/11	Zn - 1000 ppm					B6015140	

Reviewed

Title: _____

1024

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

-# DP 3/12/07

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6360-S	3/8/07	9/30/11	Cu - 1000 ppm	Stock, Received 100 mL	100 mL	1,000 ppm	AccuSTD	B609J096	CT
6361-S	↓	2/28/11	As - 10,000 ppm	↓	↓	10,000 ppm	↓	B602J008	↓
6362-S		5/31/11	Ba - 10,000 ppm			↓		B605J064	
6363-S		6/30/11	Cr - 10,000 ppm					B606J134	
6364-S		8/31/11	Fe - 10,000 ppm					B608J027	
6365-S		12/31/11	Pb - 10,000 ppm					B612J078	
6366-S	↓	6/30/11	Nd - 1000 ppm	↓	↓	1,000 ppm	↓	B606J096	↓
6367-S	3/12/07	3/12/07	Hg Cal Curve (Soil)	0.0 mL (6368-S)	↑ 50mL w/ DI	0.0 ppb	AccuSTD	6368-S	DP
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
	↓	↓	↓	10.0	↓	10.0	↓	↓	↓
6368-S	3/12/07	3/12/07	Hg - 50 ppb (working STD)	0.5 mL (6037-S) + 2mL conc. HNO_3	↑ 200mL w/ DI	50.0 ppb	AccuSTD	6037-S	DP
6369-S	3/12/07	3/12/07	Hg - 50 ppb (REF STD)	0.5 mL (6038-S) + 2.0 mL conc. HNO_3	↓	50.0 ppb	Baker ULTRA	C38065 6038-S	DP
6370-S	3/12/07	3/12/07	ICB/CCB	0.5 mL conc. HNO_3		—	Baker	C38065	DP
6371-S	3/12/07	3/12/07	ICV (Hg)	4.0mL ~~(6369-S)~~ (6369-S)	↑ 50mL w/ DI	4.0 ppb	Baker ULTRA	C38065 6369-S	DP
6372-S	3/12/07	3/12/07	CRA (Hg)	0.2 mL (6368-S)	↓	0.2 ppb	AccuSTD	6368-S	DP
6373-S	3/12/07	3/12/07	CCV (Hg)	2.0 mL (6368-S)		2.0 ppb	↓	↓	DP
6374-S	3/12/07	3/12/07	Hg Cal Curve (Water)	0.0 mL (6368-S)	↑ 50mL w/ DI	0.0 ppb	AccuSTD	6368-S	DP
	↓	↓	↓	0.2	↓	0.2 ppb	↓	↓	

Reviewed

1025

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6334-5

Received - 3/8/07
Opened - 3/8/07
Expire - 10/31/10

AccuTrace™ Reference Standard

Item Number: ICP-01N-10X-1

Element: Aluminum
Concentration: 9919 µg/mL
Matrix: Al(NO3)3 · 9H2O in 2% HNO3

Density: 1.059g/mL
Lot Number: B5105043
Expiration Date: Oct / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	**0.06**	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	*	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	N/A	K	**0.6**	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	**0.13**	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	**0.44**	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	N/A
Bi	N/A	Ga	N/A	Mg	**0.02**	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	**0.10**	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	**0.37**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3101a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6335-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-02N-1

Element: Antimony
Concentration: 1001 µg/mL
Matrix: 2% HNO3

Density: 1.013g/mL
Lot Number: B5095031
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	N/A
Al	N/A	**Cs**	N/A	**In**	nd<0.2	**Ni**	N/A	**Sb**	*	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	N/A	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	N/A
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	N/A		
Co	nd<0.02	**Hg**	N/A	**Nb**	N/A	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using bromate which was standardized against NIST SRM #83d (arsenic trioxide).

The concentration of the final solution was verified by ICP against NIST SRM# 3102a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6336-5

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

AccuTrace™ Reference Standard

Item Number: ICP-03N-1

Density: 1.012 g/mL
Lot Number: B5115036
Expiration Date: Feb / 2011

Element: Arsenic
Concentration: 1000 µg/mL
Matrix: As in 2% HNO3

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	N/A	**Cs**	N/A	**In**	nd<0.2	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	nd<0.2
As	*	**Cu**	nd<0.02	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	nd<0.2	**P**	N/A	**Se**	nd<0.2	**U**	nd<0.2
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	nd<0.2	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	nd<0.2	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	**0.02**	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3103a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

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CERTIFICATE OF ANALYSIS

6337-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-04N-1

Element: Barium
Concentration: 1000 µg/mL
Matrix: Ba(NO3)2 in 2% HNO3

Lot Number: B5025074
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	N/A	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	N/A	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	*	Eu	nd<0.02	Li	N/A	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	N/A	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	N/A	Rh	N/A	Te	N/A		
Co	N/A	Hg	N/A	Nb	N/A	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3104a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6338-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 7/31/11

Item Number: ICP-05N-1

Element: Beryllium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.016g/mL
Lot Number: B5115083
Expiration Date: Jul / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	*	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3105a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6339-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-07W-1

Element: Boron
Concentration: 1000 µg/mL
Matrix: H3BO3 in H2O tr. NH4OH

Density: 1.002g/mL
Lot Number: B6085025
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	*	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed by acid/base titration using NaOH which was standardized against NIST SRM #84J (potassium hydrogen pthalate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3107

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6340-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 11/30/11

Item Number: ICP-08N-1

Element: Cadmium
Concentration: 1000 µg/mL
Matrix: Cd in 2% HNO3

Density: 1.012 g/mL
Lot Number: B6115069
Expiration Date: Nov / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	**0.10**	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	N/A	Tl	nd<0.2
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	**0.02**	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	*	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3108

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6341-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-09N-10X-1

Element: Calcium
Concentration: 10000 µg/mL
Matrix: CaCO3 in 2% HNO3

Density: 1.042g/mL
Lot Number: B6065137
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	**0.03**	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	N/A
B	nd<0.2	Er	nd<0.02	La	**0.26**	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	**0.03**	Yb	nd<0.02
Ca	*	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	**0.1**	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	**0.1**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3109a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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CERTIFICATE OF ANALYSIS

6342-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-13N-1

Element: Chromium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.013 g/mL
Lot Number: B6065124
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	*	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3112a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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CERTIFICATE OF ANALYSIS

6343.5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

Item Number: ICP-14N-1

Element: Cobalt
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.014 g/mL
Lot Number: B6125064
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	N/A	Cr	N/A	Ho	N/A	Nd	N/A	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	N/A	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	N/A	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	0.08	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	N/A	Mo	N/A	Re	N/A	Tb	N/A	Zr	nd<0.02
Ce	nd<0.2	Hf	0.05	Na	N/A	Rh	N/A	Te	N/A		
Co	*	Hg	N/A	Nb	N/A	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3113

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6360-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/11

Item Number: ICP-15N-1

Element: Copper
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.013g/mL
Lot Number: B6095096
Expiration Date: Sep / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	*	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	N/A	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3114

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder
Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6344-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 10/31/11

Item Number: ICP-27N-1

Element: Iron
Concentration: 1000 µg/mL
Matrix: Fe in 5% HNO3

Density: 1.032 g/mL
Lot Number: B6035048
Expiration Date: Oct / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	*	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A.	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	N/A	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	N/A	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	N/A	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate),

The concentration of the final solution was verified by ICP against NIST SRM# 3126a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6345-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-29N-1

Element: Lead
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.011g/mL
Lot Number: B6075090
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	**0.02**	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	*	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3128

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6346-5

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

AccuTrace™ Reference Standard

Item Number: ICP-32N-10X-1

Element: Magnesium
Concentration: 10000 µg/mL
Matrix: 2% HNO3

Density: 1.055g/mL
Lot Number: B5015118
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	0.05	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	*	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.45	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	0.06	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	0.13	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3131a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder
Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6347-5

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-33N-1

Element: Manganese
Concentration: 1000 µg/mL
Matrix: $Mn(C_2H_3O_2)_2$ in 2% HNO_3

Density: 1.012g/mL
Lot Number: B6065026
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	N/A	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	*	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3132

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6348-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 7/31/~~07~~ 11

Item Number: ICP-35W-1

Element: Molybdenum
Concentration: 1000 µg/mL
Matrix: Water, tr NH_4OH

Density: 1.000g/mL
Lot Number: B6065081
Expiration Date: Jul / 2011

CT 3/8/07

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	N/A	Nd	N/A	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	N/A
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	N/A	Er	N/A	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	N/A	Li	nd<0.02	Pd	N/A	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	*	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	N/A	Rh	N/A	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3134

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6349-8

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-37N-1

Element: Nickel
Concentration: 1000 µg/mL
Matrix: Ni in 2% HNO3

Density: 1.014g/mL
Lot Number: B4065040
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	nd<0.2	**Ni**	*	**Sb**	nd<0.2	**Tl**	nd<0.2
As	nd<0.2	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	nd<0.2	**P**	N/A	**Se**	N/A	**U**	nd<0.2
B	N/A	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	N/A
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	nd<0.02
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	N/A	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	N/A		
Co	**0.11**	**Hg**	N/A	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3136

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6350-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-43N-10X-1

Element: Potassium
Concentration: 9999 µg/mL
Matrix: KNO3 in 2% HNO3

Density: 1.028g/mL
Lot Number: B5075123
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	*	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	**0.38**	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3141a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6351-S

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-51N-1

Element: Selenium
Concentration: 1000 µg/mL
Matrix: Se in 2% HNO3

Density: 1.012g/mL
Lot Number: B6065129
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	N/A	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	*	U	N/A
B	nd<0.2	Er	N/A	La	nd<0.02	Pb	N/A	Si	N/A	V	N/A
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	N/A
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	N/A
Ca	nd<0.02	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	N/A	Hf	N/A	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	N/A	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3149

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6352-S

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

AccuTrace™ Reference Standard

Item Number: ICP-53N-1

Element: Silver
Concentration: 1000 µg/mL
Matrix: AgNO3 in 2% HNO3

Density: 1.012 g/mL
Lot Number: B6125004
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	*	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	**0.03**	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	N/A	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	**0.04**	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	N/A
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	N/A	Hf	nd<0.02	Na	**0.04**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using a Vohlhard titration calibrated against 99.999% silver shot.

The concentration of the final solution was verified by ICP against NIST SRM# 3151

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6353-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 3/31/11

Item Number: ICP-54N-10X-1

Element: Sodium
Concentration: 10000 µg/mL
Matrix: NaNO3 in 2% HNO3

Density: 1.036 g/mL
Lot Number: B6025117
Expiration Date: Mar / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	N/A	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	nd<0.2
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	N/A	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	nd<0.02
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	**0.02**	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	*	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3152a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6354.5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-55N-1

Element: Strontium
Concentration: 1000 µg/mL
Matrix: Sr(NO3)2 in 2% HNO3

Lot Number: B5035151
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	N/A	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	*	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	N/A
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3153a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6355-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 5/31/11

Item Number: ICP-60N-1

Element: Thallium
Concentration: 1000 µg/mL
Matrix: Tl in 2% HNO3

Density: 1.011 g/mL
Lot Number: B6055036
Expiration Date: May / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	*
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3158

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6356-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 1/31/11

Item Number: ICP-63N-1

Element: Tin
Concentration: 1000 µg/mL
Matrix: Sn in 2-5% HNO3 tr. HF

Density: 1.012 g/mL
Lot Number: B6015089
Expiration Date: Jan / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	*	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3161

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6357-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-64W-1

Element: Titanium
Concentration: 1000 µg/mL
Matrix: (NH4)2TiF6 in H2O tr HF

Density: 1.000g/mL
Lot Number: B5085113
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	nd<0.02	Nd	N/A	S	N/A	Ti	*
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	N/A
B	0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	N/A	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.104	Rh	N/A	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3162a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6358-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/12

Item Number: ICP-67N-1

Element: Vanadium
Concentration: 1000 µg/mL
Matrix: V_2O_5 in 2% HNO_3

Density: 1.014 g/mL
Lot Number: B7025121
Expiration Date: Feb / 2012

Elements in µg/mL

Ag	nd<0.02	Cr	N/A	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	*
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	0.02	Lu	N/A	Pr	N/A	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	N/A	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.03	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	N/A	Ru	nd<0.02	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3165

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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CERTIFICATE OF ANALYSIS

6359-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

Item Number: ICP-70N-1

Element: Zinc
Concentration: 1000 µg/mL
Matrix: Zn in 2% HNO3

Density: 1.013g/mL
Lot Number: B6015140
Expiration Date: Feb / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	N/A	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	*
Cd	N/A	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3168a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6361-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

Item Number: ICP-03N-10X-1

Element: Arsenic
Concentration: 10022 µg/mL
Matrix: As in 2% HNO3

Density: 1.011g/mL
Lot Number: B6025008
Expiration Date: Feb / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	*	Cu	0.03	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	0.09
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.04	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.09	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3103a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6362-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 5/31/11

Item Number: ICP-04N-10X-1

Element: Barium
Concentration: 10000 µg/mL
Matrix: Ba(NO3)2 in 2% HNO3

Lot Number: B6055064
Expiration Date: May / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	N/A	K	N/A	P	N/A	Se	nd<0.2	U	N/A
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	0.3	V	nd<0.02
Ba	*	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3104a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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CERTIFICATE OF ANALYSIS

6363-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-13N-10X-1

Element: Chromium
Concentration: 10000 µg/mL
Matrix: 2-5% HNO3

Density: 1.044 g/mL
Lot Number: B6065134
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	*	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	0.3	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.38	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3112a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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CERTIFICATE OF ANALYSIS

6364-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-27N-10X-1

Element: Iron
Concentration: 10000 µg/mL
Matrix: Fe in 5% HNO3

Density: 1.084g/mL
Lot Number: B6085027
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	N/A	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	N/A	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	N/A	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	N/A	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	N/A
Be	nd<0.02	**Fe**	*	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	N/A	**Ga**	N/A	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	N/A
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	**0.32**
Cd	N/A	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	N/A	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	N/A	**Rh**	nd<0.2	**Te**	N/A		
Co	N/A	**Hg**	N/A	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3126a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6365-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

Item Number: ICP-29N-10X-1

Element: Lead
Concentration: 10000 µg/mL
Matrix: 2% HNO3

Lot Number: B6125078
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	N/A	Tl	N/A
As	nd<0.2	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	*	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	N/A	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.05	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3128

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

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AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6366-5

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-36N-1

Element: Neodymium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Lot Number: B6065096
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	N/A	**Nd**	*	**S**	N/A	**Ti**	nd<0.02
Al	N/A	**Cs**	N/A	**In**	N/A	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	N/A	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	N/A
B	nd<0.2	**Er**	N/A	**La**	N/A	**Pb**	N/A	**Si**	nd<0.2	**V**	N/A
Ba	nd<0.02	**Eu**	N/A	**Li**	**0.07**	**Pd**	N/A	**Sm**	N/A	**W**	N/A
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	N/A	**Sn**	N/A	**Y**	nd<0.02
Bi	nd<0.2	**Ga**	N/A	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	N/A	**Gd**	N/A	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	N/A	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	N/A	**Hf**	nd<0.02	**Na**	**0.22**	**Rh**	N/A	**Te**	N/A		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	N/A	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3135a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6433-5	3/20/07	3/20/08	Low Level Cal STD-W (100X)	See prep sheet in Certificate Book			AccuSTD	-	CT
6434-5	3/20/07	3/20/08	Low Level Cal STD-5 (100X)	See prep sheet in Certificate Book			AccuSTD	-	CT
6435-5	3/20/07	3/20/08	Low Level Cal STD-W (1X)	1.0 mL (6433-5) + 5mL conc HCl + 3 mL Conc HNO_3	↗ 100 mL w/ DI ↓	See # 6433-5	AccuSTD Baker ↓	6433-5 C26042 C38065	CT ↓
6436-5	3/20/07	3/20/08	Low Level Cal STD-5 (1X)	1.0 mL (6434-5) + 5mL Conc. HCl + 3 mL Conc. HNO_3	↗ 100 mL w/ DI ↓	See # 6434-5	AccuSTD Baker ↓	6434-5 C26042 C38065	CT ↓
6437-5	3/20/07 ↓	3/20/08 ↓	CRI (ONEIDA) 1000X ↓	0.1 mL (6340-5) Cd 0.5 mL (6342-5) Cr 0.5 mL (6360-5) Cu 1.0 mL (6349-5) Ni 0.5 mL (6336-5) As 0.5 mL (6345-5) Pb 0.5 mL (6351-5) Se + 5mL conc HNO_3 ↓	↗ 100 mL w/ DI ↓	Cd - 1 ppm Cr-5 Cu-5 Ni-10 As-5 Pb-5 Se-5 ↓	AccuSTD ↓ Baker ↓	6340-5 6342-5 6360-5 6349-5 6336-5 6345-5 6351-5 C38065	CT ↓
6438-5	3/20/07 ↓	3/20/08 ↓	CRI (ONEIDA) ↓	0.1 mL (6437-5) + 5mL Conc. HCl + 3mL Conc HNO_3	↗ 100 mL w/ DI	See # 6437-5	AccuSTD Baker ↓	6437-5 C26042 C38065	CT ↓
6439-5	3/22/07	3/22/07	Hg - 50 ppb (CCV & Lng STD)	0.5 mL (6037-5) + 2.0 mL conc. HNO_3	↑ 200 mL w/ DI	50.0 ppb	AccuSTD Baker	6037-5 C38065	DP
6440-5	3/22/07	3/22/07	Hg - 50 ppb (REF STD)	0.5 mL (6038-5) + 2.0 mL conc HNO_3 ↓	↓	↓	ULTRA Baker	6038-5 C38065	↓

Reviewed _____

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1059

Multielement Standard Preparation

Name of Standard: **LOW LEVEL CAL STD - W (100X)** Standard Number: **6433-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.50	5
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.30	3
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.50	5
Beryllium	AccuSTD	B5115083	6447-S	100	100	0.40	0.4
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.10	110
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.60	6
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.10	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	2.00	20
Lead	AccuSTD	B6075090	6449-S	100	100	2.50	2.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6450-S	100	100	1.50	1.5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	1.00	100
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.80	8
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	C38065	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/20/07 Date Expires: 3/20/08

Prepared By: Cang Tran Reviewed By: W Tan Quo

Multielement Standard Preparation

Name of Standard: LOW LEVEL CAL STD - S (100X) Standard Number: 6434-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	1.00	10
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.50	5
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.10	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.00	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.10	1
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.20	2
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.30	3
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.30	3
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.30	3
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	2.00	200
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.60	6
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	C38065	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/26/07 Date Expires: 3/20/08

Prepared By: Cang Tran Reviewed By: _____

DP 3/22/07

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6441-S	3/22/07	3/22/07	ICB/CCB	0.5 mL conc. HNO_3	↑ 200 mL w/DI	—	Baker	C38065	DP
6442-S	3/22/07	3/22/07	Hg Cal Curve (Water)	0.0 mL (6439-S)	↑ 50 mL w/DI	0.0 ppb	AccuSTD	6439-S	DP
	↓	↓		0.2 mL	↓	0.2	↓	↓	↓
				0.5 mL		0.5			
				1.0 mL		1.0			
				2.0 mL		2.0			
				5.0 mL		5.0			
				10.0 mL		10.0 ↓			
6443-S	3/22/07	3/22/07	ICV (Hg)	4.0 mL (6440-S)	↑ 50 mL w/DI	4.0 ppb	ULTRA	6440-S	DP
6444-S	3/22/07	3/22/07	CRA (Hg)	0.2 mL ~~(6441-S)~~ (6439-S) *	↓	0.2 ppb	AccuSTD	6439-S	DP
6445-S	3/22/07	3/22/07	CCV (Hg)	2.0 mL ~~(6441-S)~~ (6439-S)		2.0 ppb	AccuSTD	6439-S	DP
6446-S	3/19/07	3/19/08	Ag - 500 ppm	10 mL (6352-S) Ag ~~+ 10 mL DI~~ + 1 mL HNO_3 CT 3/24/07	↑ 20 mL w/ DI	Ag - 500 ppm	AccuSTD	6352-S	CT
							Baker	C38065	
6447-S	3/20/07	3/20/08	Be - 100 ppm	1 mL (6378-S)	↑ 10 mL w/ DI	Be - 100 ppm	AccuSTD	6378-S	CT
6448-S	↓	↓	Cd - 100 ppm	1 mL (6340-S)	↓	Cd - 100 ppm	↓	6340-S	↓
6449-S			Pb - 100 ppm	1 mL (6345-S)		Pb - 100 ppm		6345-S	
6450-S			Mo - 100 ppm	1 mL (6348-S)		Mo - 100 ppm		6348-S	
6451-S	3/27/07	3/27/07	Hg - 50 ppb (Working STD)	0.5 mL (6037-S) + 2.0 mL conc. HNO_3	↑ 200 mL w/DI	50.0 ppb	AccuSTD	6037-S	DP
6452-S	3/27/07	3/27/07	Hg - 50 ppb (REF STD)	0.5 mL (6038-S) + 2.0 mL conc. HNO_3	↓	↓	Baker ULTRA Baker	C38065 6038-S C38065	DP

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6461-S	3/29/07	3/29/07	Hg Cal Curve (Soil)	10.0 ml (6458-S)	↑ 50 ml w/DI	10.0 ppb	AccuSTD	6458-S	DP
6462-S	3/29/07	3/29/07	ICV (Hg)	4.0 ml (6459-S)	↑ 50 ml w/DI	4.0 ppb	ULTRA	6452-S	DP
6463-S	3/29/07	3/29/07	CRA (Hg)	0.2 ml (6458-S)	↓	0.2 ppb	AccuSTD	6458-S	DP
6464-S	3/29/07	3/29/07	CCV (Hg)	2.0 ml (6458-S)	↓	2.0 ppb	↓	↓	DP
6465-S	4/4/07	4/4/08	CRI (H.W LCP) 100X	See prep sheet in Certificate Book			AccuSTD	—	CT
6466-S	4/4/07	4/4/08	CRI (H.W LCP) 1X	1 mL (6465-S) + 10 mL (1:1) HCl + 3 mL conc HNO_3	↑ 100 mL w/ DI	See # 6465-S	AccuSTD Baker ↓	6465-S 2299-R C38065	CT ↓
6467-S	4/4/07	4/4/08	Sb - 100 ppm	1 mL (6335-S)	↑ 10 mL	Sb - 100 ppm	AccuSTD	6335-S	CT
6468-S	↓	↓	Be - 100 ppm	1 mL (6338-S)	w/ DI	Be - 100	↓	6338-S	↓
6469-S			Cd - 100 ppm	1 mL (6340-S)	↓	Cd - 100		6340-S	
6470-S			Mn - 100 ppm	1 mL (6347-S)		Mn - 100 ↓		6347-S	
6471-S	4/5/07	4/5/07	Hg - 50 ppb (Working STD)	0.5 ml (6037-S) +2.0 ml conc. HNO_3	↑ 200 ml w/DI	50.0 ppb	AccuSTD	6037-S	DP
6472-S	4/5/07	4/5/07	Hg - 50 ppb (Ref STD)	0.5 ml (6038-S) +2.0 ml conc. HNO_3	↓	↓	Baker C38065 ULTRA	6038-S	DP
6473-S	4/5/07	4/5/07	ICB/CCB	0.5 ml conc. HNO_3	↓	—	Baker ↓	C38065 ↓	DP
6474-S	4/5/07	4/5/07	Hg Cal Curve (Water)	0.0 ml (6471-S) 0.2 0.5 ↓	↑ 50 ml w/ DI ↓	0.0 ppb 0.2 0.5 ↓	AccuSTD ↓	6471-S ↓	DP

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1063

6479-5

Received - 4/9/07
Opened - 4/9/07
Expire - 4/2/08

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

HIGH-PURITY STANDARDS

CAT. NO. CLP-INF-1

Certificate of Analysis

CLP Interference Check Standard 1

Lot # 626224

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.98+%	HNO_3, 5%	µg/mL ± 0.5% Aluminum 5000 Calcium 5000 Iron 2000 Magnesium 5000

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

APR 0 2 2008
Exp Date:
MSDS ATTACHED

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
	4/5/07	4/5/07	Hg Cal Curve (water)	1.0 ml (6471-S)	↑ 50 ml	1.0 ppb	AccuSTD	6471-S	DP
	↓	↓		2.0	W/DI	2.0	↓	↓	
				5.0	↓	5.0			
				10.0 ↓		10.0 ↓			
6475-S	4/5/07	4/5/07	ICV (Hg)	4.0 ml (6472-S)	↑ 50 ml	4.0 ppb	ULTRA	6472-S	DP
6476-S	4/5/07	4/5/07	CRA (Hg)	0.2 ml (6471-S)	W/DI	0.2 ppb	AccuSTD	6471-S	DP
6477-S	4/5/07	4/5/07	CCV (Hg)	2.0 ml (6471-S)	↓	2.0 ppb	↓	↓	DP
6478-S	4/5/07	4/5/07	Hg Cal Curve (Soil)	0.0 ml (6471-S)	↑ 50 ml	0.0 ppb	AccuSTD	6471-S	DP
	↓	↓		0.2	W/DI	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		50			
	↓	↓		10.0 ↓		10.0 ↓	↓	↓	
6479-S	4/9/07	4/2/08	ICSA	Stock, Received 250mL	250 mL	See #	High	626224	CT
						6479-S	Purity		
6480-S	4/10/07	5/10/07	Hg TCLP SPK Soln	2.5 ml #6037-S + 5 ml conc HNO3	↑ 50 ml W/DI	1 mg/L	Accutrace BAKER	6037-S C38065	DR
6481-S	4/12/07	4/12/08	3005A MDL Verification (100x)	See prep sheet in	Certificate	Book	AccuSTD	—	CT
6482-S	4/12/07	4/12/08	3010A MDL Verification (100x)	↓			↓	—	↓

Reviewed

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Life Science Laboratories, Inc. — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6483-S	4/13/07	4/13/08	MDL Ver1	0.5 mL (6481-S)	↗ 50 mL	See #	AccuSTD	6481-S	CT
6484-S	↓	↓	MDL Ver2	0.7 mL	w/ DI	6481-S	↓	↓	↓
6485-S			MDL Ver3	1.0 mL	↓	↓			
6486-S			MDL-Ver4	1.2 mL					
6487-S			MDL-Ver5	1.5 mL					
6488-S			MDL-Ver6	1.7 mL					
6489-S			MDL-Ver7	2.0 mL					
6490-S			MDL-Ver8	2.2 mL					
6491-S	↓	↓	MDL-Ver9	2.5 mL ↓	↓	↓	↓	↓	↓
6492-S	4/13/07	4/13/08	MDL-Ver1	0.5 mL (6482-S)	↗ 50 mL	See #	AccuSTD	6482-S	CT
6493-S	↓	↓	MDL-Ver2	0.7 mL	w/ DI	6482-S	↓	↓	↓
6494-S			MDL-Ver3	1.0 mL	↓	↓			
6495-S			MDL-Ver4	1.2 mL					
6496-S			MDL-Ver5	1.5 mL					
6497-S			MDL-Ver6	1.7 mL					
6498-S			MDL-Ver7	2.0 mL					
6499-S			MDL-Ver8	2.2 mL					
6500-S	↓	↓	MDL-Ver9	2.5 mL ↓	↓	↓	↓	↓	↓
6501-S	4/12/07	4/12/08	Ba-100 ppm	1 mL (6737-S)	↗ 10 mL	Ba-100 ppm	AccuSTD	6737-S	CT
6502-S	4/12/07	4/12/08	Sr-100 ppm	1 mL (6354-S)	w/ DI	Sr-100 ppm	↓	6354-S	CT
6502-S	4/16/07	4/16/08	3050B MDL Verification (100x)	See prep sheet in	Certificate	Book	AccuSTD	—	CT
6504-S	4/16/07	4/16/08	MDL-Ver1	0.5 mL (6503-S) + 0.50g	↗ 50 mL	See #	AccuSTD	6503-S	CT
6505-S	↓	↓	MDL Ver2	0.7 mL ↓ Teflon chips	w/ DI	6503-S	↓	↓	↓
6506-S			MDL Ver5	1.0 mL ↓ (2779-R)	↓	↓			

Reviewed _____

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

DF 5/21/07

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
966592-S	5/21/07	5/21/07	Hg Cal Curve (Soil)	0.0 ml (6589-S)	↑ 50 ml w/ DI	0.0 ppb	AccuSTD	(6589-S)	DP
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
6593-S	5/21/07	5/21/07	ICV (Hg)	4.0 ml (6590-S)	↑ 50 ml w/ DI	4.0 ppb	ULTRA	(6590-S)	DP
6594-S	5/21/07	5/21/07	CRA (Hg)	0.2 ml (6589-S)		0.2 ppb	AccuSTD	(6589-S)	DP
6595-S	5/21/07	5/21/07	CCV (Hg)	20 ml (6589-S)		2.0 ppb			DP
		08	CT 5/21/07						
6596-S	5/21/07	5/21/08	As - 100 ppm	1 ml (6336-S)	↑ 10 ml w/ DI	As - 100 ppm	AccuSTD	6336-S	CT
6597-S			Co - 100 ppm	1 ml (6343-S)		Co - 100		6343-S	
6598-S			Pb - 100 ppm	1 ml (6345-S)		Pb - 100		6345-S	
6599-S			Se - 100 ppm	1 ml (6351-S)		Se - 100		6351-S	
		08	CT 5/21/07						
6600-S	5/21/07	5/21/08	CRI (FRONTIER) 100X	See prep sheet in Certificate Book			AccuSTD	—	CT
		CT 5/21/07							
6601-S	5/21/07	5/21/08	CRI (FRONTIER) 1X	1 ml (6600-S) + 5 ml Conc. HCl + 3 ml Conc. HNO_3	↑ 100 ml w/ DI	See # 6600-S	AccuSTD Baker	6600-S C38087 C38065	CT
6602-S	5/22/07	5/22/07	Hg - 50 ppb (Working STD)	0.5 ml (6037-S) + 2.0 ml conc. HNO_3	↑ 200 ml w/ DI	50 ppb	AccuSTD Baker	6037-S C38065	DP
6603-S	5/22/07	5/22/07	Hg - 50 ppb (Ref STD)	0.5 ml (6038-S) + 2.0 ml conc. HNO_3		50 ppb	ULTRA Baker	6038-S C38065	DP
6604-S	5/22/07	5/22/07	ICB/CCB	0.5 ml conc. HNO_3		—			DP

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: CRI (FRONTIER) 100X Standard Number: 6600-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.10	10.0
Antimony	AccuSTD	B5095031	6467-S	100	100	0.50	0.50
Arsenic	AccuSTD	B5115036	6596-S	100	100	0.50	0.50
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.20	2.00
Beryllium	AccuSTD	B5115083	6468-S	100	100	0.30	0.30
Cadmium	AccuSTD	B6115069	6469-S	100	100	0.10	0.10
Calcium	AccuSTD	B6065137	6341-S	10,000	100	0.10	10.0
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1.00
Cobalt	AccuSTD	B6125064	6597-S	100	100	2.50	2.50
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.10	1.00
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.50	5.00
Lead	AccuSTD	B6075090	6598-S	100	100	0.50	0.50
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	0.30	30.0
Manganese	AccuSTD	B6065026	6470-S	1,000	100	0.10	1.00
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.50	5.00
Potassium	AccuSTD	B5075123	6350-S	10,000	100	5.00	500.0
Selenium	AccuSTD	B6065129	6599-S	100	100	0.50	0.50
Silver	AccuSTD	B6125004	6446-S	1000	100	0.10	1.00
Sodium	AccuSTD	B6025117	6353-S	10,000	100	0.30	30.0
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.50	5.00
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.10	1.00
HNO3	J T Baker	C38065	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 5/21/07 Date Expires: 5/21/08

Prepared By: Cang Tran Reviewed By: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6616-S	5/29/07	5/29/08	CRI (PARSONS) 100X	See prep sheet in Certificate Book			AccuSTD	—	CT
6617-S	5/29/07	5/29/08	CRI (PARSONS) 1X	1 mL (6616-S) + 5 mL conc HCl + 3 mL conc HNO_3	↑ 100 mL w/ DI	See # 6616-S	AccuSTD / Baker	6616-S / C38032 / E09043	CT
6618-S	6/1/07	6/1/07	Hg - 50 ppb (Working STD)	0.5 mL (6037-S) + 2.0 mL conc. HNO_3	↑ 200 mL w/DI	50 ppb	AccuSTD / Baker	6037-S / C38065	DP
6619-S	6/1/07	6/1/07	Hg - 50 ppb (Ref STD)	0.5 mL (6038-S) + 2.0 mL conc. HNO_3	↑ 200 mL w/DI	50 ppb	ULTRA / Baker	6038-S / C38065	DP
6620-S	6/1/07	6/1/07	ICB/CCB	0.5 mL conc HNO_3	↑ 50 mL w/DI	—	↓	↓	DP
6621-S	6/1/07	6/1/07	Hg Cal Curve (Water)	0.0 mL (6618-S)		0.0 ppb	AccuSTD	(6618-S)	DP
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
6622-S	6/1/07	6/1/07	ICV (Hg)	4.0 mL (6619-S)		4.0	ULTRA	(6619-S)	DP
6623-S	6/1/07	6/1/07	CRA (Hg)	0.2 mL (6618-S)		0.2	AccuSTD	(6618-S)	DP
6624-S	6/1/07	6/1/07	CCV (Hg)	2.0 mL (6618-S)		2.0	↓	↓	DP
6625-S	~~6615-S~~	6/4/07	6/4/07	Hg - 100 ppb (Working STD)	1.0 mL (6037-S) + 2.0 mL conc. HNO_3	↑ 200 mL w/DI	100 ppb	AccuSTD / Baker	6037-S / C38065
6626-S	6/4/07	6/4/07	Hg - 100 ppb (REF STD)	1.0 mL (6038-S) + 2.0 mL conc. HNO_3		100 ppb	ULTRA / Baker	6038-S / C38065	DP
6627-S	6/4/07	6/4/07	ICB/CCB	0.5 mL conc. HNO_3		—	↓	↓	DP

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: CRI(PARSONS) 100X Standard Number: 6616-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.2	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	1.0	10
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.5	5
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.1	1
Beryllium	AccuSTD	B5115083	6468-S	100	100	0.5	0.5
Cadmium	AccuSTD	B6115069	6469-S	100	100	0.5	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.0	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.1	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.1	1
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.2	2
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.3	3
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.3	3
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.0	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.1	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.3	3
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.2	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	2.0	200
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.3	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.2	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.0	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.6	6
Tin	AccuSTD	B6015089	6356-S	1,000	100	0.5	5
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.1	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.2	2
HNO3	J T Baker	E09043	-	Conc.	100	6.0	6%

Comment:

Date Prepared: 5/29/07 Date Expires: 5/29/08

Prepared By: Cang Tran Reviewed By: Tan Chi

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6691-S	6/27/07	6/27/07	ICV (Hg)	4.0 mL (6688-S)	↑ 50 mL w/ DI	4.0 ppb	Absolute	6688-S	DP
6692-S	6/27/07	6/27/07	CRA (Hg)	0.2 mL (6687-S)	↓	0.2 ppb	AccuSTD	6687-S	DP
6693-S	6/27/07	6/27/07	CCV (Hg)	2.0 mL (6687-S)	↓	2.0 ppb	↓	↓	DP
6694-S	6/27/07	6/27/07	Hg Cal Curve (water)	0.0 mL (6687-S)	↑ 50 mL	0.0 ppb	AccuSTD	6687-S	DP
↓	↓	↓	↓	0.2	w/ DI	0.2	↓	↓	↓
↓	↓	↓	↓	0.5	↓	0.5	↓	↓	↓
↓	↓	↓	↓	1.0	↓	1.0	↓	↓	↓
↓	↓	↓	↓	2.0	↓	2.0	↓	↓	↓
↓	↓	↓	↓	5.0	↓	5.0	↓	↓	↓
↓	↓	↓	↓	10.0	↓	10.0 ↓	↓	↓	↓
6695-S	6/27/07	6/27/07	ICV (Hg)	4.0 mL (6688-S)	↑ 50 mL w/ DI	4.0 ppb	Absolute	6688-S	DP
6696-S	6/27/07	6/27/07	CRA (Hg)	0.2 mL (6687-S)	↓	0.2 ppb	AccuSTD	6687-S	DP
6697-S	6/27/07	6/27/07	CCV (Hg)	2.0 mL (6687-S)	↓	2.0 ppb	↓	↓	DP
6698-S	6/27/07	6/27/08	Sn - 50 ppm	0.5 mL (6356-S) + 0.5 mL Conc. HNO_3	↑ 10 mL w/ DI	Sn - 50 ppm	AccuSTD	6356-S	CT
							Baker	E09043	↓
6699-S	6/27/07	3/20/08	Low Level Cal STD - W	1 mL (6473-S)	↑ 100 mL	Jae #	AccuSTD	6473-S	↓
↓	↓	↓	↓	0.1 mL (6698-S)	w/ DI	6473-S	↓	6698-S	↓
				+ 5 mL Conc. HCl	↓		Baker	C09074	↓
				+ 3 mL Conc HNO_3			↓	E09043	↓
6700-S	6/27/07	4/2/08	ICSA	20 mL (6479-S)	↑ 200 mL	Jae #	High Purity	6479-S	CT
				+ 10 mL Conc. HCl	w/ DI	6479-S	Baker	C09074	↓
				+ 6 mL Conc. HNO_3			↓	E09043	

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. **Trace Metals Section** **Standards Prep Logbook**

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6701-S	6/27/07	7/28/07	ICSAB	20 mL (6479-S)	↑ 200mL	See #	High Purity	6479-S	CT
	↓	↓	↓	2 mL (5712-S)	W/ DI	6479-S	↓	5712-S	↓
				2 mL (6431-S)	↓	5712-S	AccuSTD	6431-S	
				+ 10 mL Conc. HCl		6431-S	Baker	C09074	
				+ 6 mL Conc. HNO_3			↓	E09143	
6702-S	6/29/07	6/29/07	Hg - 50 ppb (Working STD)	0.5 mL (6037-S) + 2.0 mL conc. HNO_3	↑ 200 mL W/DI	50 ppb	AccuSTD Baker	6037-S C38065	DP
6703-S	6/29/07	6/29/07	Hg - 50 ppb (Ref STD)	0.5 mL (5487-S) + 4.0 mL conc. HNO_3	↓	50 ppb	Absolute Baker	5487-S C38065	DP
6704-S	6/29/07	6/29/07	ICB/CCB	0.5 mL conc. HNO_3	↑ 50 mL W/DI	— DP 6/29/07	↓	↓	DP
6705-S	6/29/07	6/29/07	Hg Cal Curve (Water)	0.0 mL ~~conc~~ (6702-S)		~~0.0 ppb~~ ~~AccuSTD~~	AccuSTD	6702-S	DP
↓	↓	↓	↓	0.2 DP 6/29/07		0.2 ppb	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
6706-S	6/29/07	6/29/07	ICV (Hg)	4.0 mL (6703-S)	↑ 50 mL W/DI	4.0 ppb	Absolute	6703-S	DP
6707-S	6/29/07	6/29/07	CRA (Hg)	0.2 mL (6702-S)	↓	0.2 ppb	AccuSTD	6702-S	DP
6708-S	6/29/07	6/29/07	CCV (Hg)	2.0 mL (6702-S)		2.0 ppb	↓	↓	DP
6709-S	7/2/07	7/2/07	Hg - 50 ppb (Working STD)	0.5 mL (6037-S) + 2.0 mL conc. HNO_3	↑ 200 mL W/DI	50 ppb	AccuSTD Baker	6037-S C38065	DP
6710-S	7/2/07	7/2/07	Hg - 50 ppb (REF STD)	0.5 mL (5487-S) + 4.0 mL conc. HNO_3	↓	50 ppb	Absolute Baker	5487-S C38065	DP

1072

Reviewed By: _____

Date: _____

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6711-S	7/2/07	7/2/07	ICB/CCB	0.5 mL conc. HNO_3	200 mL w/DI	—	Baker	C380G5	DP
6712-S	7/2/07	7/2/07	Hg Cal Curve (Soil)	0.0 mL (6709-S)	50 mL w/DI	0.0 ppb	AccuSTD	6709-S	DP
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
6713-S	7/2/07	7/2/07	ICV (Hg)	4.0 mL (6710-S)		4.0 ppb	Absolute	6710-S	DP
6714-S	7/2/07	7/2/07	CRA (Hg)	0.2 mL (6709-S)		0.2 ppb	AccuSTD	6709-S	DP
6715-S	7/2/07	7/2/07	CCV (Hg)	2.0 mL (6709-S)		20 ppb			DP
6716-S	7/2/07	7/2/08	Li 10,000 ppm	12.5 g (6544-S) + 10 mL Conc. HNO_3	200 mL w/ DI	10,000 ppm	High Purity	6544-S	CT
6717-S	7/2/07	11/24/07	ICVH (ICAP)	1 mL (5557-S) Ca	200 mL w/ DI	Ca 50 ppm	Baker High Purity	E09043 5557-S	CT
				1 mL (5558-S) Cr		Cr 5		5558-S	
				2 mL (5559-S) Fe		Fe 10		5559-S	
				1 mL (5560-S) Na		Na 50		5560-S	
				2 mL (5561-S) Pb		Pb 10		5561-S	
				+ 10 mL Conc. HCl + 6 mL Conc. HNO_3			Baker	C09074 E09043	
~~6718-S~~	~~Hg Calcu~~								
6718-S	7/2/07	7/2/07	ICV (Hg)	4.0 mL (6710-S)	50 mL DI	4.0 ppb	Absolute	6710-S	DP
6719-S	7/2/07	7/2/07	CRA (Hg)	0.2 mL (6709-S)		0.2 ppb	AccuSTD	6709-S	DP
6720-S	7/2/07	7/2/07	CCV (Hg)	2.0 mL (6709-S)		2.0 ppb			DP

7/2/07 DP

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6721-S	7/2/07	7/2/07	Hg Cal. Curve (Water)	0.0 mL (6709-S) 0.2 0.5 1.0 2.0 5.0 10.0	150 mL w/ DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.0	AccuSTD	6709-S	DP
6722-S	7/3/07	7/3/08	Sb - 100 ppm	1 mL (6335-S)	↑ 10 mL w/ DI	Sb - 100 ppm	AccuSTD	6335-S	CT
6723-S			As - 100 ppm	1 mL (6336-S)		As - 100		6336-S	
6724-S			Be - 100 ppm	1 mL (6338-S)		Be - 100		6338-S	
6725-S			Cd - 100 ppm	1 mL (6340-S)		Cd - 100		6340-S	
6726-S			Pb - 100 ppm	1 mL (6345-S)		Pb - 100		6345-S	
6727-S	7/3/07	7/3/08	CRI (EDISON) 100X	See prep sheet in Certificate Book			AccuSTD	—	CT
6728-S	7/3/07	7/3/08	CRI (EDISON)	1 mL (6727-S) + 5 mL Conc. HCl + 3 mL Conc. HNO3	↑ 100 mL w/ DI	See # 6727-S	AccuSTD Baker ↓	6727-S C09074 E09043	CT ↓

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: **CRI (EDISON) 100X** Standard Number: **6727-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.100	10
Antimony	AccuSTD	B5095031	6722-S	100	100	0.600	0.6
Arsenic	AccuSTD	B5115036	6723-S	100	100	0.500	0.5
Barium	AccuSTD	B5025074	6337-S	1,000	100	1.000	10
Beryllium	AccuSTD	B5115083	6724-S	100	100	0.100	0.1
Cadmium	AccuSTD	B6115069	6725-S	100	100	0.400	0.4
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.000	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.100	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.500	5
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.100	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.500	5
Lead	AccuSTD	B6075090	6726-S	100	100	0.500	0.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.000	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.500	5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.500	5
Potassium	AccuSTD	B5075123	6350-S	10,000	100	5.000	500
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.100	1
Silver	AccuSTD	B6125004	6446-S	1,000	100	0.100	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.000	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.200	2
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.500	5
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.200	2
HNO3	J T Baker	E09043	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 7/3/07 Date Expires: 7/3/08

Prepared By: Cang Tran Reviewed By: [signature]

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6764-S	7/16/07	7/16/07	Hg. Cal Curve (Water)	0.0 mL (6761-S)	↑ 50 mL w/DI	0.0 ppb	AccuSTD	6761-S	DP
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
6765-S	7/16/07	7/16/07	ICV (Hg)	4.0 mL (6762-S)	↑ 50 mL w/DI	4.0 ppb	Absolute	6762-S	DP
6766-S	7/16/07	7/16/07	CRA (Hg)	0.2 mL (6761-S)		0.2 ppb	AccuSTD	6761-S	DP
6767-S	7/16/07	7/16/07	CCV (Hg)	2.0 mL (6761-S)		2.0 ppb	AccuSTD	6761-S	DP
6768-S	7/17/07	7/10/08	ICSB (ICAP)	Stock, Received 100 mL	100 mL	See # 6768-S	High Purity	625441	CT
6769-S	7/18/07	7/18/07	STD50 GFAA	10 mL (6514-S) + 10 mL DI	20 mL	TL-50 ppb	AccuSTD	6514-S	CT
6770-S			STD25	5 mL (6769-S) + 5 mL DI	10	25		6769-S	
6771-S			STD10	2 mL (6769-S) + 8 mL DI	10	10		6769-S	
6772-S			STD2	2 mL (6771-S) + 8 mL DI	10	2		6771-S	
6773-S	7/18/07	4/2/08	ICSAB	20 mL (6479-S)	↗ 200 mL w/ DI	See # 6479-S	High Purity	6479-S	CT
				2 mL (6768-S)		6768-S		6768-S	
				2 mL (6431-S)		6431-S		6431-S	
				+ 10 mL Conc. HCl			Baker	C09674	
				+ 5 mL Conc. HNO3				E01042	

Reviewed By: _____

Date: _____

6768-S
Received - 7/17/07
Opened - 7/17/07
Expire - 7/10/08 CT 7/17/07

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

HIGH-PURITY STANDARDS

CAT. NO. ANALCS-R

Certificate of Analysis

CLP Analyte Standard-Revised

Lot # 625441

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 10 2008

MSDS ATTACHED

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6796-S	7/27/07	7/24/08	QC Spike Solution A	Stock, Received 500mL	500 mL	See # 6796-S	HIGH PURITY	0720512	CT
6797-S	7/27/07	7/24/08	QC Spike Solution B	↓	↓	6797-S	↓	0720513	↓

Reviewed By: _____

Date: _____

6796-5

Received - 7/27/07
Opened - 7/27/07
Expire - 7/24/08

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

Certificate of Analysis

SM-108-001 (SPIKE)

Solution A

Lot # 0720512

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.98+%	HNO_3, 2%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 2 4 2008

MSDS ATTACHED

SM-108-001 (SPIKE)

Solution A

Element List

(µg/mL)

Aluminum	100
Arsenic	20
Barium	20
Beryllium	20
Boron	50
Cadmium	20
Calcium	1000
Chromium	20
Cobalt	20
Copper	20
Iron	100
Lead	20
Magnesium	1000
Manganese	20
Nickel	20
Potassium	1000
Selenium	20
Sodium	1000
Strontium	20
Thallium	20
Vanadium	20
Zinc	20

6797-5
Received - 7/27/07
Opened - 7/27/07
Expire - 7/24/08

HIGH-PURITY STANDARDS

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Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

Certificate of Analysis

SM-108-001 (SPIKE)

Solution B

Lot # 0720513

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5%
			Antimony 20
			Molybdenum 20
			Silver 5
			Tin 20
			Titanium 20

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 2 4 2008

MSDS ATTACHED

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7014-S	11/8/07	11/8/08	TL - 1 ppm	0.1 mL (6355-S) + 3 mL conc HNO_3	↗ 100 mL w/ DI	TL - 1 ppm	AccuSTD	6355-S	CT
7015-S	11/8/07	11/8/08	MDL Ver 1 (TL)	0.1 mL (7014-S)	↗ 50 mL w/ DI	2 ppb	AccuSTD	7014-S	CT
7016-S	11/8/07	11/8/08	TCLP Spike (ICAP)	1 mL (6352-S) Ag	↗ 100 mL w/ DI	Ag-10 ppm	AccuSTD	6352-S	CT
				1 mL (6362-S) Ba		Ba-100		6362-S	
				2 mL (6340-S) Cd		Cd-20		6340-S	
				1 mL (6363-S) Cr		Cr-100		6363-S	
				1 mL (6361-S) As		As-100		6361-S	
				1 mL (6365-S) Pb		Pb-100		6365-S	
				2 mL (6351-S) Se		Se-20		6351-S	
				1 mL (6335-S) Sb		Sb-10		6335-S	
				2 mL (6359-S) Zn		Zn-20		6359-S	
				+ 10 mL conc HNO_3			Baker	E22071	
				+ 10 mL conc. HCl			↓	E21053	↓
7017-S	11/8/07	11/2/08	ICSA	Stock, Received 250 ml	250 mL	See # 7017-S	High Purity	0727808	CT
7018-S	11/8/07	N/A	Li_2CO_3	Stock, Received 50 g	50 g	–	↓	0730507	CT

Reviewed By: _____

Date: _____

7018-S

Received - 11/8/07
Opened - 11/8/07
Expire - N/A

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423
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FAX: (843) 767-7906

CAT. NO. LI CO-S

Certificate of Analysis

Lithium Carbonate

99.999%

Lot # 0730507

All concentrations are quoted in parts per million by weight, and the analysis technique employed was ICP, unless otherwise noted below. Unless otherwise stated, the specification (total metallic impurities) relates to impurities as detected.

Iron	<1 ppm	Copper	<0.5 ppm
Sodium	<1 ppm	Potassium	<0.5 ppm
Aluminum	<0.5 ppm	Lead	<0.5 ppm
Calcium	<0.5 ppm	Silicon	<0.5 ppm
Chromium	<0.5 ppm	Magnesium	<0.5 ppm

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

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7017-S

Received - 11/8/07
Opened - 11/8/07
Expire - 11/2/08

HIGH-PURITY STANDARDS

CAT. NO. CLP-INF-1

Certificate of Analysis

CLP Interference Check Standard 1

Lot # 0727808

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.98+%	HNO_3, 5%	µg/mL ± 0.5% Aluminum 5000 Calcium 5000 Iron 2000 Magnesium 5000

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
President

NOV 0 2 2008
Exp Date:
MSDS ATTACHED

ENVIRONMENTAL EXPRESS

CAT. NO. HP10M9-1

Certificate of Analysis

Calcium

Lot # 0728836

Source	Source Purity	Matrix	Density g/mL @ 20.7°C	Standard Concentration
Calcium Carbonate	99.999%	HNO_3, 4%	1.034	10.00 ± 0.03 mg/mL

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

A 1000µg/mL Calcium solution was prepared from the source material and scanned by ICP-OES and ICP-MS for trace impurities. The reported values from the 1000µg/mL solution are for reference only. **M** = Major element.

Concentrations as µg/L (ppb)

Li	<0.02	Be	<0.02	B	<1	Na	<5	Mg	<0.5	Al	<0.1	Si	<1	K	<1
Ca	**M**	Sc	<0.02	Ti	<0.02	V	<0.05	Cr	<0.1	Mn	<0.1	Fe	<1	Co	<0.05
Ni	<0.02	Cu	<0.1	Zn	<0.1	Ga	<0.02	Ge	<0.02	As	<0.05	Se	<0.1	Rb	<0.02
Sr	<10	Y	<0.02	Zr	<0.02	Nb	<0.02	Mo	<0.02	Ru	<0.02	Rh	<0.02	Pd	<0.02
Ag	<0.02	Cd	<0.02	In	<0.02	Sn	<1	Sb	<0.02	Te	<0.02	Cs	<0.02	Ba	<0.02
La	<0.02	Ce	<0.02	Pr	<0.02	Nd	<0.02	Sm	<0.02	Eu	<0.02	Gd	<0.02	Tb	<0.02
Dy	<0.02	Ho	<0.02	Er	<0.02	Tm	<0.02	Yb	<0.02	Lu	<0.02	Hf	<0.02	Ta	<0.02
W	<0.02	Re	<0.02	Os	<0.02	Ir	<0.02	Pt	<0.02	Au	<0.02	Tl	<0.02	Pb	<0.05
Bi	<0.02	Th	<0.02	U	<0.1										

The standard concentration has been verified by ICP-OES against an independent source, which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3109a.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains, Ph.D.
Laboratory Director

Exp. Date JUL 2009
MSDS ATTACHED

7083-5

Received - 12/14/07
Opened - 12/17/07
Expire - 7/31/09

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CAT. NO. HP100012-1

Certificate of Analysis

Chromium

Lot # 0733812

Source	Source Purity	Matrix	Density g/mL @ 22.9°C	Standard Concentration
Chromium Metal	99.999%	HNO_3, 2%	1.007	1000 ± 3 µg/mL

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

A 1000µg/mL Chromium solution was prepared from the source material and scanned by ICP-OES and ICP-MS for trace impurities. The reported values from the 1000µg/mL solution are for reference only. **M** = Major element.

Concentrations as µg/L (ppb)

Li	<0.02	Be	<0.02	B	<1	Na	<1	Mg	<0.5	Al	<0.1	Si	<1	K	<1
Ca	<0.1	Sc	<0.02	Ti	<1	V	<0.05	Cr	M	Mn	<0.1	Fe	<1	Co	<0.05
Ni	<0.02	Cu	<0.1	Zn	<0.1	Ga	<0.02	Ge	<0.02	As	<0.05	Se	<0.1	Rb	<0.02
Sr	<0.02	Y	<0.02	Zr	<0.2	Nb	<0.02	Mo	<0.02	Ru	<0.02	Rh	<0.02	Pd	<0.02
Ag	<5	Cd	<0.02	In	<0.02	Sn	<1	Sb	<0.3	Te	<0.02	Cs	<0.02	Ba	<0.02
La	<0.02	Ce	<0.02	Pr	<0.02	Nd	<0.02	Sm	<0.02	Eu	<0.02	Gd	<0.02	Tb	<0.02
Dy	<0.02	Ho	<0.02	Er	<0.02	Tm	<0.02	Yb	<0.02	Lu	<0.02	Hf	<0.02	Ta	<0.02
W	<0.02	Re	<0.02	Os	<0.02	Ir	<0.02	Pt	<0.02	Au	<0.02	Tl	<0.02	Pb	<0.5
Bi	<0.02	Th	<0.02	U	<0.1										

The standard concentration has been verified by ICP-OES against an independent source, which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3112a.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
Laboratory Director

JUL 2009

Exp. Date

MSDS ATTACHED

7084-5

Received - 12/14/07
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Expire - 7/31/09

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CAT. NO. HP100026-1

Certificate of Analysis

Iron

Lot # 0730428

Source	Source Purity	Matrix	Density g/mL @ 22.4°C	Standard Concentration
Iron Metal	99.995+%	HNO_3, 2%	1.010	1000 ± 3 µg/mL

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

A 1000µg/mL Iron solution was prepared from the source material and scanned by ICP-OES and ICP-MS for trace impurities. The reported values from the 1000µg/mL solution are for reference only. M = Major element.

Concentrations as µg/L (ppb)

Li	<0.02	Be	<0.02	B	<1	Na	<1	Mg	<0.5	Al	<0.1	Si	<1	K	<1
Ca	<5	Sc	<0.02	Ti	<0.02	V	<0.05	Cr	<10	Mn	<20	Fe	M	Co	<20
Ni	<10	Cu	<5	Zn	<10	Ga	<0.02	Ge	<0.02	As	<0.05	Se	<0.1	Rb	<0.02
Sr	<0.02	Y	<0.02	Zr	<0.02	Nb	<0.02	Mo	<0.02	Ru	<0.02	Rh	<0.02	Pd	<0.02
Ag	<0.02	Cd	<0.02	In	<0.02	Sn	<1	Sb	<0.02	Te	<0.02	Cs	<0.02	Ba	<0.02
La	<0.02	Ce	<0.02	Pr	<0.02	Nd	<0.02	Sm	<0.02	Eu	<0.02	Gd	<0.02	Tb	<0.02
Dy	<0.02	Ho	<0.02	Er	<0.02	Tm	<0.02	Yb	<0.02	Lu	<0.02	Hf	<0.02	Ta	<0.02
W	<0.02	Re	<0.02	Os	<0.02	Ir	<0.02	Pt	<0.02	Au	<0.02	Tl	<0.02	Pb	<0.05
Bi	<0.02	Th	<0.02	U	<0.1										

The standard concentration has been verified by ICP-OES against an independent source, which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3126a.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

JUL 2009

Exp. Date

Theodore C Rains

Theodore C. Rains, Ph.D.
Laboratory Director

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7085-5

Received - 12/14/07
Opened - 12/17/07
Expire - 7/31/09

ENVIRONMENTAL EXPRESS

CAT. NO. HP10M52-1

Certificate of Analysis

Sodium

Lot # 0732458

Source	Source Purity	Matrix	Density g/mL @ 21.3°C	Standard Concentration
Sodium Carbonate	99.995%	HNO_3, 1%	1.024	10.00 ± 0.03 mg/mL

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

A 1000µg/mL Sodium solution was prepared from the source material and scanned by ICP-OES and ICP-MS for trace impurities. The reported values from the 1000µg/mL solution are for reference only. M = Major element.

Concentrations as µg/L (ppb)

Li	<0.02	Be	<0.02	B	<1	Na	M	Mg	<30	Al	<0.1	Si	<1	K	<20
Ca	<70	Sc	<0.02	Ti	<0.02	V	<0.05	Cr	<0.1	Mn	<0.1	Fe	<1	Co	<0.05
Ni	<0.02	Cu	<0.1	Zn	<0.1	Ga	<0.02	Ge	<0.02	As	<0.05	Se	<0.1	Rb	<0.02
Sr	<0.02	Y	<0.02	Zr	<0.02	Nb	<0.02	Mo	<0.02	Ru	<0.02	Rh	<0.02	Pd	<0.02
Ag	<0.02	Cd	<0.02	In	<0.02	Sn	<1	Sb	<0.02	Te	<0.02	Cs	<0.02	Ba	<0.02
La	<0.02	Ce	<0.02	Pr	<0.02	Nd	<0.02	Sm	<0.02	Eu	<0.02	Gd	<0.02	Tb	<0.02
Dy	<0.02	Ho	<0.02	Er	<0.02	Tm	<0.02	Yb	<0.02	Lu	<0.02	Hf	<0.02	Ta	<0.02
W	<0.02	Re	<0.02	Os	<0.02	Ir	<0.02	Pt	<0.02	Au	<0.02	Tl	<0.02	Pb	<0.05
Bi	<0.02	Th	<0.02	U	<0.1										

The standard concentration has been verified by ICP-OES against an independent source, which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3152a.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
Laboratory Director

JUL 2009

Exp. Date

MSDS ATTACHED

7086-5

Received - 12/14/07
Opened - 12/17/07
Expire - 7/31/09

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CAT. NO. HP100028-1

Certificate of Analysis

Lead

Lot # 0728504

Source	Source Purity	Matrix	Density g/mL @ 21.1°C	Standard Concentration
Lead Metal	99.999+%	HNO_3, 2%	1.011	1000 ± 3 µg/mL

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

A 1000µg/mL Lead solution was prepared from the source material and scanned by ICP-OES and ICP-MS for trace impurities. The reported values from the 1000µg/mL solution are for reference only. **M** = Major element.

Concentrations as µg/L (ppb)

Li	<0.02	Be	<0.02	B	<1	Na	<1	Mg	<0.5	Al	<0.3	Si	<1	K	<1
Ca	<0.1	Sc	<0.02	Ti	<0.02	V	<0.05	Cr	<0.1	Mn	<0.1	Fe	<1	Co	<0.05
Ni	<0.02	Cu	<0.2	Zn	<0.1	Ga	<0.02	Ge	<0.02	As	<0.05	Se	<0.1	Rb	<0.02
Sr	<0.02	Y	<0.02	Zr	<0.02	Nb	<0.02	Mo	<0.02	Ru	<0.02	Rh	<0.02	Pd	<0.02
Ag	<0.3	Cd	<0.5	In	<0.02	Sn	<1	Sb	<0.5	Te	<0.02	Cs	<0.02	Ba	<0.02
La	<0.02	Ce	<0.02	Pr	<0.02	Nd	<0.02	Sm	<0.02	Eu	<0.02	Gd	<0.02	Tb	<0.02
Dy	<0.02	Ho	<0.02	Er	<0.02	Tm	<0.02	Yb	<0.02	Lu	<0.02	Hf	<0.02	Ta	<0.02
W	<0.02	Re	<0.02	Os	<0.02	Ir	<0.02	Pt	<0.02	Au	<0.02	Tl	<2	Pb	M
Bi	<1	Th	<0.02	U	<0.1										

The standard concentration has been verified by ICP-OES against an independent source, which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3128.

This standard is valid for eighteen months from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
Laboratory Director

JUL 2009
Exp. Date

MSDS ATTACHED

7087-5

Received - 12/14/07
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Expire - 7/31/09

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7082-S	12/12/07	12/12/07	Hg Cal Curve (WATER)	0.0 mL (7075-S)	↗ 50 mL w/ DI	0.0 ppb	AccuSTD	7075-S	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7083-S	12/14/07	7/31/09	Ca-10,000 ppm	Stock, received 100 mL	100 mL	10,000 ppm	Environmental Express	0728836	CT
7084-S			Cr-1000 ppm			1000 ppm		0733812	
7085-S			Fe-1000 ppm			1000 ppm		0730428	
7086-S			Na-10,000 ppm			10,000 ppm		0732458	
7087-S	↓	↓	Pb-1000 ppm	↓	↓	1000 ppm	↓	0728504	↓
7088-S	12/17/07	12/17/08	ICVH (ICAP)	1mL (7083-S) - Ca	↗ 200 mL w/ DI	Ca-50 ppm	E. Express	7083-S	CT
↓	↓	↓	↓	1mL (7084-S) - Cr	↓	Cr-5 ppm	↓	7084-S	↓
				2mL (7085-S) - Fe		Fe-10		7085-S	
				1mL (7086-S) - Na		Na-50		7086-S	
				2mL (7087-S) - Pb		Pb-10 ↓	↓	7087-S	
				+ 6mL conc HNO3			Baker	E26035	
				+ 20mL (1:1) HCl	↓		↓	2630-R	↓

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7145-S	1/3/08	1/30/08	CCV Hg (SOIL)	2.0 ml (7139-S)	↑ 50ml w/ DI	2.0 ppb	ACCUSTD	7139-S	DR
7146-S	1/3/08	1/3/09	Hg CAL STD's (WATER)	0.0 ml (7139-S) 0.2 0.5 1.0 2.0 5.0 10.0	50ml ↑ w/ DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.0	ACCUSTD	7139-S	DR
7147-S	1/3/08	1/3/08	CCV Hg (WATER)	4.0 ml (7140-S)	↑ 50ml w/ DI	4.0 ppb	ABSOLUTE	7140-S	DR
7148-S	1/3/08	1/3/08	CRA Hg (WATER)	0.2 ml (7139-S)	↑ 50ml w/ DI	0.2 ppb	ACCUSTD	7139-S	DR
7149-S 7150-S	1/3/08 ↓	1/3/08 ↓	CCV Hg ↓	2.0 ml (7139-S) ↓ ↓ ↓	↑ 50ml w/ DI ↓	2.0 ppb ↓	ACCUSTD ↓	7139-S ↓	DR
7151-S	1/3/08	7/3/08	ICV (ICAP)	2.0 mL (6796-S) 2.0 mL (6797-S) + 6mL Conc. HNO3 + 20 mL (1+1) HCl	↑ 200 mL w/ DI ↓	See # 6796-S 6797-S	High Purity Baker ↓	6796-S 6797-S E26035 2630-R	CT ↓
7152-S	1/3/08	1/3/09	BLANK/ICB/CCB (ICAP)	100 mL Conc HCl + 50 mL Conc HNO3	↑ 2 L w/ DI	5% 3%	Baker ↓	C40043 E27027	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7153-S	1/3/08	1/3/09	STD3 (ICAP)	See prep sheet in metals	certificate book		AccuSTD	–	CT
7154-S	1/3/08	1/3/09	STD2 (ICAP)	0.4mL (6364-5) Fe	↗ 200mL	Fe-20 ppm	AccuSTD	6364-S	CT
				0.4mL (6365-5) Pb	w/ DI	Pb-20		6365-S	
				2mL (6342-5) Cr		Cr-10		6342-S	
				2mL (6341-5) Ca		Ca-100		6341-S	
				2mL (6353-5) Na		Na-100 ↓	↓	6353-S	
				+ 6mL Conc. HNO3			Baker	E26035	
				+ 20mL (1:1) HCl	↓		↓	2630-R	↓
7155-S	1/3/08	1/3/09	STD1 (ICAP)	1mL (6350-5) K	↗ 500mL	K-20 ppm	AccuSTD	6350-S	CT
	↓	↓	↓	+ 15mL Conc HNO3	w/ DI		Baker	E26035	↓
				+ 50mL (1:1) HCl	↓		↓	2630-R	
7156-S	1/3/08	1/3/09	CCVH (ICAP)	5mL (6341-5) Ca	↗ 1000mL	Ca-50 ppm	AccuSTD	6341-S	CT
				5mL (6342-5) Cr	w/ DI	Cr-5		6342-S	
				1mL (6364-5) Fe		Fe-10		6364-S	
				5mL (6353-5) Na		Na-50		6353-S	
				1mL (6365-5) Pb		Pb-10 ↓	↓	6365-S	
				+ 30mL Conc. HNO3			Baker	E26035	
				+ 100mL (1:1) HCl	↓		↓	2630-R	↓
7157-S	1/10/08	1/10/09	CCV (ICAP)	See prep sheet in metals	certificate	book	AccuSTD	–	CT
7158-S	1/10/08	1/10/09	CRI (PQL) (100x (ICAP)	See prep sheet in metals	certificate	book	AccuSTD	–	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7159-S	1/10/08	1/10/09	CRI (PQL) (ICAP)	2 mL (7158-S) + 6mL Conc. HNO_3 + 20 mL (1:1) HCl	↗ 200mL w/ DI	See # 7158-S	AccuSTD Baker ↓	7158-S E26035 2630-R	CT ↓
7160-S	1/15/08	2/15/08	TCLP Hg SPK SOLN	2.5 mL (5487-S) + 5 ml conc HNO_3	↗ 50ml w/ DI	1 ppm	ABSOLUTE	5487-S	PR
7161-S	1/16/08	1/16/08	Hg - 50 ppb (Working STD)	0.5mL (6037-S) + 4mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD Baker	6037-S E26035	CT ↓
7162-S	1/16/08	1/16/08	Hg - 50 ppb (REF STD)	0.5 ml (5487-S) + 4mL Conc. HNO_3	↓	50 ppb	Absolute Baker	5487-S E26035	
7163-S	1/16/08	1/16/08	ICB / CCB	0.5 mL Conc. HNO_3	↓	—	Baker	E26035	↓
7164-S	1/16/08	1/16/08	Hg Cal Curve (WATER)	0.0 mL (7161-S)	↗ 50 mL w/ DI	0.0 ppb	AccuSTD	7161-S	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7165-S	1/16/08	1/16/08	ICV (Hg)	4.0 mL (7162-S)	↗ 50 mL w/ DI	4.0 ppb	Absolute	7162-S	CT
7166-S	↓	↓	CRA (Hg)	0.2 mL (7161-S)	↓	0.2 ppb	AccuSTD	7161-S	↓
7167-S			CCV (Hg)	2.0 mL (7161-S)		2.0 ppb	↓	↓	

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: STD3 Standard Number: 7153-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	500	0.5	10
Antimony	AccuSTD	B5095031	6335-S	1,000	500	0.5	1
Arsenic	AccuSTD	B5115036	6336-S	1,000	500	0.5	1
Barium	AccuSTD	B5025074	6337-S	1,000	500	0.5	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	500	0.5	1
Boron	AccuSTD	B6085025	6339-S	1,000	500	0.5	1
Cadmium	AccuSTD	B6115069	6340-S	1,000	500	0.5	1
Calcium	AccuSTD	B6065137	6341-S	10,000	500	1.0	20
Chromium	AccuSTD	B6065124	6342-S	1,000	500	0.5	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	500	0.5	1
Copper	AccuSTD	B6095096	6360-S	1,000	500	0.5	1
Iron	AccuSTD	B6035048	6344-S	1,000	500	1.0	2
Lead	AccuSTD	B6075090	6345-S	1,000	500	0.5	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	500	1.0	20
Manganese	AccuSTD	B6065026	6347-S	1,000	500	0.5	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	500	0.5	1
Nickel	AccuSTD	B4065040	6349-S	1,000	500	0.5	1
Selenium	AccuSTD	B6065129	6351-S	1,000	500	0.5	1
Silver	AccuSTD	B6125004	6446-S	500	500	0.5	0.5
Sodium	AccuSTD	B6025117	6353-S	10,000	500	1.0	20
Strontium	AccuSTD	B5035151	6354-S	1,000	500	0.5	1
Thallium	AccuSTD	B6055036	6355-S	1,000	500	0.5	1
Tin	AccuSTD	B6015089	6356-S	1,000	500	0.5	1
Titanium	AccuSTD	B5085113	6357-S	1,000	500	0.5	1
Vanadium	AccuSTD	B7025121	6358-S	1,000	500	0.5	1
Zinc	AccuSTD	B6015140	6359-S	1,000	500	0.5	1
HNO3	J T Baker	E26035	-	Conc.	500	15.0	3%
HCl	J T Baker	2630-R	-	1+1	500	50.0	5%

Comment: _____

Date Prepared: 1/3/08 Date Expires: 1/3/09

Prepared By: Cang Tan Reviewed By: _____

Multielement Standard Preparation

Name of Standard: CCV Standard Number: 7157-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	1,000	0.5	5
Antimony	AccuSTD	B5095031	6335-S	1,000	1,000	0.5	0.5
Arsenic	AccuSTD	B5115036	6336-S	1,000	1,000	0.5	0.5
Barium	AccuSTD	B5025074	6337-S	1,000	1,000	0.5	0.5
Beryllium	AccuSTD	B5115083	6338-S	1,000	1,000	0.5	0.5
Boron	AccuSTD	B6085025	6339-S	1,000	1,000	0.5	0.5
Cadmium	AccuSTD	B6115069	6340-S	1,000	1,000	0.5	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	1,000	1.0	10
Chromium	AccuSTD	B6065124	6342-S	1,000	1,000	0.5	0.5
Cobalt	AccuSTD	B6125064	6343-S	1,000	1,000	0.5	0.5
Copper	AccuSTD	B6095096	6360-S	1,000	1,000	0.5	0.5
Iron	AccuSTD	B6035048	6344-S	1,000	1,000	1.0	1
Lead	AccuSTD	B6075090	6345-S	1,000	1,000	0.5	0.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	1,000	1.0	10
Manganese	AccuSTD	B6065026	6347-S	1,000	1,000	0.5	0.5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	1,000	0.5	0.5
Nickel	AccuSTD	B4065040	6349-S	1,000	1,000	0.5	0.5
Potassium	AccuSTD	B5075123	6350-S	10,000	1,000	1.0	10
Selenium	AccuSTD	B6065129	6351-S	1,000	1,000	0.5	0.5
Silver	AccuSTD	B6125004	6446-S	500	1,000	0.5	0.25
Sodium	AccuSTD	B6025117	6353-S	10,000	1,000	1.0	10
Strontium	AccuSTD	B5035151	6354-S	1,000	1,000	0.5	0.5
Thallium	AccuSTD	B6055036	6355-S	1,000	1,000	0.5	0.5
Tin	AccuSTD	B6015089	6356-S	1,000	1,000	0.5	0.5
Titanium	AccuSTD	B5085113	6357-S	1,000	1,000	0.5	0.5
Vanadium	AccuSTD	B7025121	6358-S	1,000	1,000	0.5	0.5
Zinc	AccuSTD	B6015140	6359-S	1,000	1,000	0.5	0.5
HNO3	J T Baker	E26035	-	Conc.	1,000	30.0	3%
HCl	J T Baker	2630-R	-	1+1	1,000	100.0	5%

Comment:

Date Prepared: 1/10/08 Date Expires: 1/10/09

Prepared By: Cang Tran Reviewed By:

Multielement Standard Preparation

Name of Standard: CRI(PQL) 100X Standard Number: 7158-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.1	10
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.6	6
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.1	1
Barium	AccuSTD	B5025074	6337-S	1,000	100	1.0	10
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.1	1
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.5	5
Cadmium	AccuSTD	B6115069	6340-S	1,000	100	0.1	1
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.0	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.1	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.5	5
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.1	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.5	5
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.1	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.0	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.5	5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.5	5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.5	5
Potassium	AccuSTD	B5075123	6350-S	10,000	100	5.0	500
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.1	1
Silver	AccuSTD	B6125004	6446-S	500	100	0.2	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.0	100
Strontium	AccuSTD	B5035151	6354-S	1,000	100	0.5	5
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.2	2
Tin	AccuSTD	B6015089	6356-S	1,000	100	0.5	5
Titanium	AccuSTD	B5085113	6357-S	1,000	100	0.5	5
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.5	5
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.2	2
HNO3	J T Baker	E26035	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 1/10/08 Date Expires: 1/10/09

Prepared By: Cang Tran Reviewed By: _____

HIGH-PURITY STANDARDS
P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

7186-S
Received - 1/28/08
Opened - 1/28/08
Expire - 1/2/09

CAT.NO. ICP-SSWS-M

Certificate of Analysis

Multi-Element Spiking Solution 1 for Water and Soil Samples-Modified

Lot # 0731305

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 0 2 2009
MSDS ATTACHED

Multi-Element Spiking Solution 1 for Water and Soil Samples-Modified

Element List

(µg/mL)

Aluminum	200
Antimony	50
Arsenic	4
Barium	200
Beryllium	5
Cadmium	5
Chromium	20
Cobalt	50
Copper	25
Iron	100
Lead	2
Manganese	50
Nickel	50
Selenium	1
Silver	5
Thallium	5
Vanadium	50
Zinc	50

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

7187-5
Received - 1/28/08
Opened - 1/28/08
Expire - 1/2/09

CAT. NO. CRDL

Certificate of Analysis

CRDL Detection Limit Standard

Lot # 0701208

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 0 2 2009
MSDS ATTACHED

CRDL Detection Limit Standard

Element List

(µg/mL)

Antimony	120
Arsenic	20
Beryllium	10
Cadmium	10
Chromium	20
Cobalt	100
Copper	50
Lead	6
Manganese	30
Nickel	80
Selenium	10
Silver	20
Thallium	20
Vanadium	100
Zinc	40

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7179-S	1/24/08	1/24/08	Hg - 50 ppb (REF STD)	0.5 ml (5487-S) + 4 ml Conc. HNO3	↗ 200 ml w/ DI	50 ppb	Absolute	5487-S	CT
7180-S	1/24/08	1/24/08	ICB / CCB	0.5 mL Conc. HNO3	↓	—	Baker	E26035	↓
							Baker	E26035	
7181-S	1/24/08	1/24/08	Hg Cal Curve (WATER)	0.0 ml (7178-S)	↗ 50 ml w/ DI	0.0 ppb	AccuSTD	7178-S	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7182-S	1/24/08	1/24/08	ICV (Hg)	4.0 ml (7179-S)	↗ 50 ml w/ DI	4.0 ppb	Absolute	7179-S	CT
7183-S			CRA (Hg)	0.2 ml (7178-S)		0.2 ppb	AccuSTD	7178-S	
7184-S			CCV (Hg)	2.0 ml (7178-S)		2.0 ppb			
7185-S	↓	↓	CCV (Hg)	2.0 ml (7178-S)	↓	2.0 ppb	↓	↓	↓
7186-S	1/28/08	1/2/09	CLP Spike	Stock, Received 100 ml	100 ml	See # 7186-S	High Purity	0731305	CT
7187-S	1/28/08	1/2/09	CRDL	↓	↓	7187-S	↓	0701208	↓

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7308-S	3/24/08	3/24/08	Hg - 50 ppb (working STD)	0.5mL (7281-S) + 4mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD	7281-S	CT
7309-S	↓	↓	Hg - 50 ppb (REF STD.)	0.5mL (7282-S) + 4mL Conc. HNO_3	↓	50 ppb	Absolute	7282-S	CT
7310-S			ICB / CCB	0.5mL Conc. HNO_3		—	Baker	E27027	CT
7311-S	3/24/08	3/24/08	Hg Cal Curve (WATER)	0.0mL (7308-S)	↗ 50mL w/ DI	0.0 ppb	AccuSTD	7308-S	CT
	↓	↓	↓	0.2mL	↓	0.2	↓	↓	↓
				0.5mL		0.5			
				1.0mL		1.0			
				2.0mL		2.0			
				5.0mL		5.0			
				10.0mL		10.0			
7312-S	3/24/08	3/24/08	ICV (Hg)	4.0mL (7309-S)	↗ 50mL w/ DI	4.0 ppb	Absolute	7309-S	CT
7313-S	↓	↓	CRA (Hg)	0.2mL (7308-S)	↓	0.2	AccuSTD	7308-S	↓
7314-S			CCV (Hg)	2.0mL ↓		2.0	↓	↓	
7315-S	3/25/08	3/25/09	Low Level Cal STD - Soil 100X	See prep sheet in metals certificate book			AccuSTD	—	CT
7316-S	3/25/08	3/25/09	Low Level Cal STD - W 100X				↓	—	CT
7317-S	3/25/08	3/25/09	Low level Cal STD - S (1X)	1mL (7315-S) + 3mL Conc HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7315-S	AccuSTD Baker	7315-S E27027	CT
							↓	2630-R	

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: **LOW LEVEL CAL STD - S (100X)** Standard Number: **7315-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	1.00	10
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.50	5
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.10	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.00	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.10	1
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.20	2
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.30	3
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.30	3
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.30	3
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	2.00	200
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.60	6
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	E27027	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/25/08 Date Expires: 3/25/09

Prepared By: Cang Tran Reviewed By: M Tachiwaki

Multielement Standard Preparation

Name of Standard: **LOW LEVEL CAL STD - W (100X)** Standard Number: **7316-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.50	5
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.30	3
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.50	5
Beryllium	AccuSTD	B5115083	6447-S	100	100	0.40	0.4
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.10	110
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.60	6
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.10	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	2.00	20
Lead	AccuSTD	B6075090	6449-S	100	100	2.50	2.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6450-S	100	100	1.50	1.5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	1.00	100
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.80	8
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	E27027	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/25/08 Date Expires: 3/25/09

Prepared By: Cang Tran Reviewed By: M Tashanski

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7318-S	3/25/08	3/25/09	Low Level Cal STD (1X)	w 1mL (7316-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7316-S	AccuSTD Baker	7316-S E27027	CT
7319-S	3/25/08	3/25/09	CRI (ONEIDA) 1000X	0.1mL (6340-S) Cd 0.5mL (6342-S) Cr 0.5mL (6360-S) Cu 1.0mL (6349-S) Ni 0.5mL (6336-S) As 0.5mL (6345-S) Pb 0.5mL (6351-S) Se 1.0mL (6359-S) Zn + 5mL Conc. HNO_3	↗ 100mL w/ DI	Cd-1 ppm Cr-5 Cu-5 Ni-10 As-5 Pb-5 Se-5 Zn-10	↓ AccuSTD ↓ Baker	2630-R 6340-S 6342-S 6360-S 6349-S 6336-S 6345-S 6351-S 6359-S E27027	CT
7320-S	3/25/08	3/25/09	CRI (ONEIDA) 1X	0.1mL (7319-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7319-S	AccuSTD Baker	7319-S E27027	CT
7321-S	3/25/08	1/2/09	CRI (ICAP)	0.1mL (7187-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7187-S	2630-R High Purity Baker	7187-S E27027	CT
7322-S	3/25/08	3/25/08	Hg 50 ppb (REF Std)	0.5mL (7282-S) + 4mL HNO_3	↗ 200mL w/ DI	50 ppb	↓ Absolute BAKER	2630-R 7282-S E27027	
7323-S	3/25/08	7/10/08	ICSAB	20mL (7017-S) 2mL (6768-S) + 2mL (7324-S) + 20mL (1:1) HCl + 6mL Conc. HNO_3	↗ 200mL w/ DI	See # 7017-S 6768-S 7324-S	High Purity AccuSTD Baker	7017-S 6768-S 7324-S 2630-R E27027	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7324-S	3/25/08	3/25/09	ICSB-2 (ICAP)	5.0mL (6339-S) B 5.0mL (6350-S) K 5.0mL (6348-S) Mo 1.0mL (6353-S) Na 5.0mL (6356-S) Sn 5.0mL (6354-S) Sr 5.0mL (6357-S) Ti + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	AccuSTD	B-50 ppm K-100 Mo-50 Na-100 Sn-50 Sr-50 Ti-50 Baker	6339-S 6350-S 6348-S 6353-S 6356-S 6354-S 6357-S E27027 2630-R	CT
7325-S	3/25/08	11/2/08	ICSA (ICAP)	20mL (7017-S) + 20mL (1:1) HCl + 6mL Conc. HNO_3	↗ 200mL w/ DI	See #7017-S	High Purity Baker	7017-S 2630-R E27027	CT
7326-S	3/27/08	3/27/08	50 ppb Hg (WKG NG STD)	0.5mL (7281-S) + 4mL Conc HNO_3	↗ 200mL w/ DI	50 ppb	ACCUSTD BAKER	7281-S E27027	DR
7327-S	3/27/08	3/27/08	50 ppb Hg (REF STD)	0.5mL (7282-S) + 4mL Conc HNO_3	↗ 200mL w/ DI	50 ppb	ABSOLUTE BAKER	7282-S E27027	DR
7328-S	3/27/08	3/27/08	ICB/CCB	0.5mL Conc HNO_3	↗ 200mL w/ DI	—	BAKER	E27027	DR
7329-S ↓ 30-S ↓ 216	3/27/08	3/27/08	ICV Hg Soil CRA CCV (SOIL)	4.0mL (7327-S) 0.4 mL (7326-S) DR 3-27-08 2.0mL	50mL w/ DI	4.0 ppb 0.2 2.0	ABSOLUTE ACCUSTD	(7327-S) (7326-S)	DR

Reviewed By: _____

Date: _____

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HIGH-PURITY STANDARDS

Certificate of Analysis

SM-108-001 (Spike)
Solution A
Lot # 0819603

7556-S

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.95+%	HNO_3, 2%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 1 4 2009
MSDS ATTACHED

7556-5

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

SM-108-001 (SPIKE)

Solution A

Element List

(µg/mL)

Aluminum	100
Arsenic	20
Barium	20
Beryllium	20
Boron	50
Cadmium	20
Calcium	1000
Chromium	20
Cobalt	20
Copper	20
Iron	100
Lead	20
Magnesium	1000
Manganese	20
Nickel	20
Potassium	1000
Selenium	20
Sodium	1000
Strontium	20
Thallium	20
Vanadium	20
Zinc	20

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HIGH-PURITY STANDARDS

Certificate of Analysis

7557-S

SM-108-001 (SPIKE)

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

Solution B

Lot # 0819604

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals Salts or Oxides	99.996+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5%
			Antimony 20
			Molybdenum 20
			Silver 5
			Tin 20
			Titanium 20

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains, Ph.D.
President

Exp Date JUL 14 2009
MSDS ATTACHED

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
DR 7-15-08 7544-S 7545-S	7-8-08	7-8-08	ICV Hg	4.0 mL (7538-5)	↗ 50 mL w/ DI	4.0 ppb	ABSOLUTE	(7538-5)	DR
7545-S	7/9/08	7/24/08	ICV (ICAP)	2 mL (6796-5)	↗ 200mL w/ DI	See # 6796-5 6797-5	High Purity Baker	6796-5 6797-5 E27027	CT
				2 mL (6797-5) 6 mL conc HNO3 20 mL (1:1) HCl				2630-R	
DR 7-15-08 7546-S 7546-S	7/15/08	7/15/08	Hg CAL 50 ppb (WORKING STD)	0.5 mL (7281-5) + 4 mL conc HNO_3	↗ 200 mL DR 7.15.08 w/ DI	50 ppb	ACCUSTD BAKER	(7281-5) E27027	DR
7547-S	7/15/08	7/15/08	Hg REF 50 ppb (REF STD)	0.5 mL (7281-5) + 4 mL conc HNO_3	↗ 200mL w/ DI	50 ppb	ABSOLUTE BAKER	(7282-5) E27027	DR
7548-S	7/15/08	7/15/08	ICB/CCB	0.5 mL conc HNO_3 (7282-5) + 4mL conc HNO_3 DR 7.15.08	↗ 200 ml w/ DI	–	BAKER	E27027	DR
7549-S	7/15/08	7/15/08	Hg. 50 ppb (Working STD)	0.5mL (7281-5) + 4 mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD	7281-5	CT
7550-S	7/15/08	7/15/08	Hg-50 ppb REF STD	0.5mL (7282-5) + 4 mL Conc. HNO_3		50 ppb	Baker Absolute	E27027 7282-5	
7551-S	7/15/08	7/15/08	ICB/CCB	0.5mL Conc. HNO_3		–	Baker Baker	E27027 E27027	
7552-S	7/15/08	7/15/08	ICV (Hg)	4.0mL (7550-S)	↗ 50 mL w/ DI	4 ppb	Absolute	7550-S	CT
7553-S	7/15/08	7/15/08	CRA (Hg)	0.2mL (7549-S)		0.2 ppb	AccuSTD	7549-S	
7554-S	7/15/08	7/15/08	CCV (Hg)	2.0mL (7549-S)		2 ppb			

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7555-S	7/15/08	7/15/08	Hg Cal Curve (Soil)	0.0 mL (7549-S)	↑ 50mL	0.0 ppb	AccuSTD	7549-S	CT
	↓	↓	↓	0.2	w/ DI	0.2	↓	↓	↓
				0.5	↓	0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7556-S	7/15/08	7/14/09	QC spike Solution A	Stock, Received 500mL	500 mL	See # 7556-S	High Purity	0819603	CT
7557-S	7/15/08	7/14/09	QC spike Solution B	↓	↓	7557-S	↓	0819604	↓
7558-S	7/15/08	7/14/09	ICV (ICAP)	2mL (7556-S)	↑ 200mL	See #	High	7556-S	CT
↓	↓	↓	↓	2mL (7557-S)	w/ DI	7557-S	Purity	7557-S	↓
				6mL Conc. HNO3	↓	7556-S	Baker	E27027	
				20mL (1:1) HCl			↓	2630-R	

CT 7/15/08

Reviewed By: _____

Date: _____

7573-5
Received - 7/23/08
Opened - 7/23/08
Expire - 7/18/09

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HIGH-PURITY STANDARDS

CAT. NO. ANALCS-R

Certificate of Analysis

CLP Analyte Standard-Revised

Lot # 0728327

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 18 2009

MSDS ATTACHED

CLP Analyte Standard-Revised

Element List

(µg/mL)

Antimony	60
Arsenic	10
Barium	50
Beryllium	50
Cadmium	100
Chromium	50
Copper	50
Cobalt	50
Lead	5
Manganese	50
Nickel	100
Selenium	5
Silver	20
Thallium	10
Vanadium	50
Zinc	100

7573-5

Received - 7/23/08
Opened - 7/23/08
Expire - 7/08/09

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7570-5	7/21/08	7/21/08	ICV (Hg)	4.0 mL (7567-5)	↗ 50 mL (w/ DI	4.0 ppb	Absolute	7567-5	CT
7571-5	↓	↓	CRA (Hg)	0.2 mL (7566-5)	↓	0.2 ppb	AccuSTD	7566-5	↓
7572-5	↓	↓	CCV (Hg)	2.0 mL (7566-5)	↓	2.0 ppb	↓	↓	↓
7573-5	7/23/08	7/18/09	ICSB 1	Stock, Received 100 mL	100 mL	See # 7573-5	High Purity	0728327	CT
7574-5	7/23/08	11/2/08	ICSAB	20 mL (7017-5)	↗ 200 mL	See #	High Purity,	7017-5	CT
	↓	↓	(ICAP)	2 mL (7324-5)	w/ DI	7017-5	AccuSTD	7324-5	↓
			↓	2 mL (7573-5)	↓	7324-5	High Purity	7573-5	
				+ 20 mL (1:1) HCl		7573-5	Baker	2630-R	
				+ 6 mL Conc. HNO3			↓	E27027	

Reviewed By: _____

Date: _____

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HIGH-PURITY STANDARDS

Certificate of Analysis

7658-5

Product Description:

Name:	CLP Interference Check Standard 1
Part number:	**CLP-INF-1**
Lot number:	**0805302**
Matrix:	5% HNO_3
Purity:	99.98% - 99.999%

Received - 9/16/08
Opened - 9/16/08
Expire - 9/10/09

Certified Values:

Element	(µg/mL)	Element	(µg/mL)	Element	(µg/mL)	Element	(µg/mL)
Al	5000 ± 25	Ca	5000 ± 25	Fe	2000 ± 10	Mg	5000 ± 25

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

a. **Analytical Balance Calibration**: All balances are calibrated weekly by and in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards:** The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions. The traceability of this standard to NIST is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. A "second source standard" is used when a NIST SRM is not available.

Packaging and Storage Conditions:

The standard solution is guaranteed to be valid for twelve months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: February 21, 2008

Shipped Date: SEP 10 2008

Expiration Date: SEP 10 2009

7658-5
Received - 9/16/08
Opened - 9/16/08
Expire - 9/10/09

Andrew P. Burke, PhD., Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD., President

February 22, 2008

Certificate Issue Date

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High Purity Standards.

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7654-S ↓ 55-S	9.9.08 ↓	9.9.08 ↓	CCV Hg WATER	2.0 mL (7645-S)	1 50mL w/DI	2.0 ppb	Accustd	7645-S	DR
7650-S	9.9.08	9.9.08	ICV Hg (WATER	4.0 mL (7646-S)	1 50mL w/DI	4.0 ppb	ABSOLUTE	7646-S	DR
7657-S	9.16.08	10.16.08	TCLP Hg SPK SOLN	2.5 mL (7282-S) + 5 mL conc HNO3	1 50mL w/DI	1 mg/L	ABSOLUTE BAKER	7282-S C27027	DR
7658-S	9/16/08	9/10/09	ICSA	Stock, Received 250ml	250 mL	See # 7658-S	High Purity	080502	CT

Reviewed By: _____

Date: _____

G:\Logbooks 2006\TM\TM1.StdPrep.met

Mercury Data

Analytical Results

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-001C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-1*
W Order:	0810110	**Collection Date:**	10/14/08 14:00
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:51

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-002C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-2*
W Order:	0810110	**Collection Date:**	10/14/08 14:30
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:54

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-003C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-3*
W Order:	0810110	**Collection Date:**	10/14/08 14:45
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:56

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-004C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	*MW-4*
W Order:	0810110	**Collection Date:**	10/14/08 14:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 12:58

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Beardsley Design Associates	**Lab ID:**	**0810110-005C**
Project:	Brown Mfg Brownsfield, NY	**Client Sample ID:**	***MW-4FD***
W Order:	0810110	**Collection Date:**	10/14/08 15:15
Matrix:	WATER	**Date Received:**	10/14/08 16:54
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/16/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 8276/R15222
Revision:	10/21/08 8:48	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/17/08 13:00

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

QC Summary

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: ICV	SampType: ICV	TestCode: HG7470W	Units: mg/L		Prep Date:				RunNo: 15222			
Client ID: ZZZZZ	Batch ID: R15222	Method: SW7470A			Analysis Date: 10/17/2008				SeqNo: 397797			
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00401	0.00020	0.004	0	100	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

1126 :: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	ICB	SampType:	ICB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	15222	
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008		SeqNo:	397798	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **CCV1**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **15222**			
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**		Analysis Date: **10/17/2008**		SeqNo: **397809**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00214	0.00020	0.002	0	107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID:	CCB1	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:		RunNo:	15222		
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008	SeqNo:	397810		
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **CCV2**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo:	**15222**		
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**		Analysis Date: **10/17/2008**		SeqNo:	**397821**		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00215	0.00020	0.002	0	107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCB2	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	15222	
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008		SeqNo:	397822	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **CCV3**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **15222**			
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**		Analysis Date: **10/17/2008**		SeqNo: **397833**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00212	0.00020	0.002	0	106	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **CCB3**	SampType: **CCB**	TestCode: **HG7470W**	Units: **mg/L**		Prep Date:				RunNo:	**15222**	
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**			Analysis Date: **10/17/2008**				SeqNo:	**397834**	
Instrument:	ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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28-Oct-08

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **CCV4**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo:	**15222**		
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**		Analysis Date:	**10/17/2008**	SeqNo:	**397845**		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00213	0.00020	0.002	0	107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	**CCB4**	SampType:	**CCB**	TestCode:	**HG7470W**	Units:	**mg/L**	Prep Date:			RunNo:	**15222**	
Client ID:	**ZZZZZ**	Batch ID:	**R15222**	Method:	**SW7470A**			Analysis Date:	**10/17/2008**		SeqNo:	**397846**	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCV5	SampType:	CCV	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	15222	
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008		SeqNo:	397857	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00214	0.00020	0.002	0	107	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCB5	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	15222	
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008		SeqNo:	397858	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

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5000 Brittonfield Parkway, Suite 200

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **CCV6**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**		Prep Date:				RunNo:	**15222**		
Client ID: **ZZZZZ**	Batch ID: **R15222**	Method: **SW7470A**			Analysis Date: **10/17/2008**				SeqNo:	**397865**		
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00212	0.00020	0.002	0	106	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	CCB6	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	15222	
Client ID:	ZZZZZ	Batch ID:	R15222	Method:	SW7470A			Analysis Date:	10/17/2008		SeqNo:	397866	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.21	106.1					

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID:	MB-8276	SampType:	MBLK	TestCode:	HG7470W	Units:	mg/L	Prep Date:	10/16/2008	RunNo:	15222		
Client ID:	ZZZZZ	Batch ID:	8276	Method:	SW7470A		(SW7470A)	Analysis Date:	10/17/2008	SeqNo:	397800		
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID:	**0810110-002CMS**	SampType:	**MS**	TestCode:	**HG7470W**	Units:	**mg/L**	Prep Date:	**10/16/2008**	RunNo:	**15222**
Client ID:	**MW-2**	Batch ID:	**8276**	Method:	**SW7470A**		**(SW7470A)**	Analysis Date:	**10/17/2008**	SeqNo:	**397853**
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00207	0.00020	0.002	0	103	60	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **0810110-002CMSD**	SampType: **MSD**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**
Client ID: **MW-2**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397854**
Instrument:	ColumnID:				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00208	0.00020	0.002	0	104	60	140	0.00207	0.5	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0810110
Project: Brown Mfg Brownsfield, NY

CLIENT: Beardsley Design Associates

Sample ID: **0810110-002C**	SampType: **PDS**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**		
Client ID: **MW-2**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397864**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00206	0.00020	0.002	0	103	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

1144 :: *28-Oct-08*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID: **LCS-8276**	SampType: **LCS**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date: **10/16/2008**	RunNo: **15222**				
Client ID: **ZZZZZ**	Batch ID: **8276**	Method: **SW7470A**	**(SW7470A)**	Analysis Date: **10/17/2008**	SeqNo: **397801**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00523	0.00020	0.005	0	105	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

1145

e: *28-Oct-08*

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0810110

CLIENT: Beardsley Design Associates

Project: Brown Mfg Brownsfield, NY

Sample ID:	**0810110-002C**	SampType:	**SD**	TestCode:	**HG7470W**	Units:	**mg/L**	Prep Date:	**10/16/2008**	RunNo:	**15222**		
Client ID:	**MW-2**	Batch ID:	**8276**	Method:	**SW7470A**		**(SW7470A)**	Analysis Date:	**10/17/2008**	SeqNo:	**397863**		
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%D	RPDLimit	Qual
Mercury	ND	0.0010						0		10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

1146

e: *28-Oct-08*

METALS MDL Verification Summary

Instrument ID(s): FIMS-100																Verification Date: 4/29/2008	
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (ug/L)	RL (ug/L)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 70-130%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New MDL ug/L	Is New MDL < .5*RL?
7470A	Water	Mercury	09/13/05	0.0260	0.200	**0.050**	0.0407	81%	yes	yes	yes					**0.02600**	yes
245.1	Water	Mercury	09/13/05	0.0260	0.200	**0.050**	0.0407	81%	yes	yes	yes					**0.02600**	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

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PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)	
~~LCS-8276~~	~~10/16/2008~~		~~50~~	MT 10-28-08
LCS-8276	10/16/2008		50	
MB-8276	10/16/2008		50	
MW-1	10/16/2008		50	
MW-2	10/16/2008		50	
MW-2S	10/16/2008		50	
MW-2SD	10/16/2008		50	
MW-3	10/16/2008		50	
MW-4	10/16/2008		50	
MW-4FD	10/16/2008		50	
~~TBLK1-8251~~	~~10/16/2008~~		~~50~~	MT 10-28-08

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Instrument ID Number: FIMS 100 Method: AV

Start Date: 10/17/2008 End Date: 10/17/2008

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1120																X									
S0.2	1.00	1122																X									
S0.5	1.00	1124																X									
S1.0	1.00	1127																X									
S2.0	1.00	1129																X									
S5.0	1.00	1131																X									
S10.0	1.00	1133																X									
ICV	1.00	1219																X									
ICB	1.00	1221																X									
CRA	1.00	1223																X									
MB-8276	1.00	1225																X									
ZZZZZZ	1.00	1225																X									
LCS-8276	1.00	1228																X									
~~LCS-8276~~	1.00	1228	[illegible]															X									
TBLK1-8251	1.00	1230																X									
ZZZZZZ	1.00	1232																X									
ZZZZZZ	1.00	1241																X									
ZZZZZZ	1.00	1243																X									
CCV1	1.00	1245																X									
CCB1	1.00	1247																X									
ZZZZZZ	1.00	1249																X									
MW-1	1.00	1251																X									
MW-2	1.00	1254																X									
MW-3	1.00	1256																X									
MW-4	1.00	1258																X									
MW-4FD	1.00	1300																X									
ZZZZZZ	1.00	1302																X									
ZZZZZZ	1.00	1305																X									
ZZZZZZ	1.00	1307																X									
ZZZZZZ	1.00	1309																X									
CCV2	1.00	1311																X									
CCB2	1.00	1313																X									
ZZZZZZ	1.00	1315																X									
ZZZZZZ	1.00	1317																X									
ZZZZZZ	1.00	1320																X									

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Instrument ID Number: FIMS 100 Method: AV

Start Date: 10/17/2008 End Date: 10/17/2008

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1322																X								
ZZZZZZ	1.00	1324																X								
ZZZZZZ	1.00	1326																X								
ZZZZZZ	1.00	1328																X								
ZZZZZZ	1.00	1330																X								
ZZZZZZ	1.00	1333																X								
ZZZZZZ	1.00	1335																X								
CCV3	1.00	1337																X								
CCB3	1.00	1339																X								
ZZZZZZ	1.00	1341																X								
ZZZZZZ	1.00	1344																X								
ZZZZZZ	1.00	1346																X								
ZZZZZZ	1.00	1348																X								
ZZZZZZ	1.00	1350																X								
ZZZZZZ	1.00	1352																X								
ZZZZZZ	1.00	1354																X								
ZZZZZZ	1.00	1356																X								
ZZZZZZ	1.00	1358																X								
ZZZZZZ	1.00	1401																X								
CCV4	1.00	1403																X								
CCB4	1.00	1405																X								
ZZZZZZ	1.00	1407																X								
ZZZZZZ	1.00	1445																X								
ZZZZZZ	1.00	1447																X								
ZZZZZZ	1.00	1449																X								
ZZZZZZ	1.00	1452																X								
ZZZZZZ	1.00	1454																X								
MW-2S	1.00	1456																X								
MW-2SD	1.00	1458																X								
ZZZZZZ	5.00	1500																X								
ZZZZZZ	5.00	1502																X								
CCV5	1.00	1504																X								
CCB5	1.00	1507																X								
ZZZZZZ	5.00	1509																X								
ZZZZZZ	1.00	1522																X								

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0810110

Instrument ID Number: FIMS 100 Method: AV

Start Date: 10/17/2008 End Date: 10/17/2008

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	5.00	1524																X									
ZZZZZZ	1.00	1527																X									
MW-2L	5.00	1529																X									
MW-2A	1.00	1531																X									
CCV6	1.00	1533																X									
CCB6	1.00	1535																X									

Raw Data

Life Science Laboratories, Inc. **Mercury Run Log**

Method: 245.1 / 245.5 / 7470A / 7471A / CLP

Lab ID	SampType		Date	Time	Conc.	Units	Dilution	RawConc.	Comments
Blank	ICAL	Hg	10/17/2008	11:20:34	0	µg/L	1	0	
0.2 ppb	ICAL	Hg	10/17/2008	11:22:42	0	µg/L	1	0	
0.5 ppb	ICAL	Hg	10/17/2008	11:24:52	0	µg/L	1	0	
1.0 ppb	ICAL	Hg	10/17/2008	11:27:02	0	µg/L	1	0	
2.0 ppb	ICAL	Hg	10/17/2008	11:29:15	0	µg/L	1	0	
5.0 ppb	ICAL	Hg	10/17/2008	11:31:27	0	µg/L	1	0	
10.0 ppb	ICAL	Hg	10/17/2008	11:33:41	0	µg/L	1	0	
ICV	ICV	Hg	10/17/2008	12:19:23	4.00706	µg/L	1	4.00706	
ICB	ICB	Hg	10/17/2008	12:21:31	0.006958	µg/L	1	0.006958	
CRA	CRA	Hg	10/17/2008	12:23:40	0.212127	µg/L	1	0.212127	
MB-8276	MBLK	Hg	10/17/2008	12:25:50	0.005145	µg/L	1	0.005145	
LCS-8276	LCS	Hg	10/17/2008	12:28:01	5.227655	µg/L	1	5.227655	
TBLK1-8251	TBLK	Hg	10/17/2008	12:30:12	0.048697	µg/L	1	0.048697	
0810082-001A		Hg	10/17/2008	12:32:26	0.011757	µg/L	1	0.011757	
0810082-002A		Hg	10/17/2008	12:34:39	17.21041	µg/L	1	17.21041	Over LR, D/RA
0810082-002AMS	MS	Hg	10/17/2008	12:36:50	16.25741	µg/L	1	16.25741	↓
0810082-002AMSD	MSD	Hg	10/17/2008	12:38:57	11.26694	µg/L	1	11.26694	
0810095-001C		Hg	10/17/2008	12:41:05	0.002314	µg/L	1	0.002314	
0810095-002C		Hg	10/17/2008	12:43:14	-0.00213	µg/L	1	-0.00213	
CCV1	CCV	Hg	10/17/2008	12:45:23	2.13986	µg/L	1	2.13986	
CCB1	CCB	Hg	10/17/2008	12:47:32	0.002136	µg/L	1	0.002136	
0810095-003C		Hg	10/17/2008	12:49:41	0.001725	µg/L	1	0.001725	
0810110-001C		Hg	10/17/2008	12:51:50	-0.00051	µg/L	1	-0.00051	
0810110-002C		Hg	10/17/2008	12:54:01	0.004413	µg/L	1	0.004413	
0810110-003C		Hg	10/17/2008	12:56:12	0.010625	µg/L	1	0.010625	
0810110-004C		Hg	10/17/2008	12:58:23	0.003981	µg/L	1	0.003981	
0810110-005C		Hg	10/17/2008	13:00:34	0.008	µg/L	1	0.008	
MB-8275	MBLK	Hg	10/17/2008	13:02:47	-0.00405	µg/L	1	-0.00405	
LCS-8275	LCS	Hg	10/17/2008	13:05:00	5.208264	µg/L	1	5.208264	
TBLK2-8160	TBLK	Hg	10/17/2008	13:07:14	-0.00447	µg/L	1	-0.00447	
0809150-001A		Hg	10/17/2008	13:09:23	0.130479	µg/L	1	0.130479	
CCV2	CCV	Hg	10/17/2008	13:11:30	2.149756	µg/L	1	2.149756	
CCB2	CCB	Hg	10/17/2008	13:13:37	0.000968	µg/L	1	0.000968	
0809150-001AMS	MS	Hg	10/17/2008	13:15:44	0.308762	µg/L	1	0.308762	
0809150-001AMSD	MSD	Hg	10/17/2008	13:17:52	0.207493	µg/L	1	0.207493	
0809150-002A		Hg	10/17/2008	13:20:01	0.152381	µg/L	1	0.152381	
0809150-003A		Hg	10/17/2008	13:22:10	0.215516	µg/L	1	0.215516	
0809150-004A		Hg	10/17/2008	13:24:19	0.42804	µg/L	1	0.42804	
0809150-005A		Hg	10/17/2008	13:26:29	0.024878	µg/L	1	0.024878	
0809150-006A		Hg	10/17/2008	13:28:40	0.089145	µg/L	1	0.089145	
0809150-007A		Hg	10/17/2008	13:30:51	0.098015	µg/L	1	0.098015	
TBLK2-8171	TBLK	Hg	10/17/2008	13:33:02	-0.00417	µg/L	1	-0.00417	
0809150-008A		Hg	10/17/2008	13:35:13	0.21433	µg/L	1	0.21433	
CCV3	CCV	Hg	10/17/2008	13:37:26	2.119936	µg/L	1	2.119936	
CCB3	CCB	Hg	10/17/2008	13:39:39	0.002486	µg/L	1	0.002486	
0809150-009A		Hg	10/17/2008	13:41:52	0.988622	µg/L	1	0.988622	
0809150-010A		Hg	10/17/2008	13:44:03	0.139801	µg/L	1	0.139801	
0809150-011A		Hg	10/17/2008	13:46:10	1.350347	µg/L	1	1.350347	
0809150-012A		Hg	10/17/2008	13:48:17	0.126905	µg/L	1	0.126905	
0809150-013A		Hg	10/17/2008	13:50:24	0.908171	µg/L	1	0.908171	
0809150-014A		Hg	10/17/2008	13:52:31	0.252197	µg/L	1	0.252197	

Analyst: Cang Tran

Date: 10/20/08

Reviewer: [signature]

Date: 10-23

Life Science Laboratories, Inc. **Mercury Run Log**

Method: 245.1 / 245.5 / 7470A / 7471A / CLP

Lab ID	SampType		Date	Time	Conc.	Units	Dilution	RawConc.	Comments
TBLK1-8215	TBLK	Hg	10/17/2008	13:54:39	-0.00246	µg/L	1	-0.00246	
0809196-001A		Hg	10/17/2008	13:56:48	-0.00317	µg/L	1	-0.00317	
0809196-002A		Hg	10/17/2008	13:58:58	-0.00202	µg/L	1	-0.00202	
0809196-002AMS	MS	Hg	10/17/2008	14:01:06	0.956804	µg/L	1	0.956804	
CCV4	CCV	Hg	10/17/2008	14:03:16	2.132313	µg/L	1	2.132313	
CCB4	CCB	Hg	10/17/2008	14:05:27	0.00316	µg/L	1	0.00316	
0809196-002AMSD	MSD	Hg	10/17/2008	14:07:40	0.942888	µg/L	1	0.942888	
0809196-003A		Hg	10/17/2008	14:45:33	0.00798	µg/L	1	0.00798	
0809196-004A		Hg	10/17/2008	14:47:45	0.004648	µg/L	1	0.004648	
0809196-005A		Hg	10/17/2008	14:49:58	0.004264	µg/L	1	0.004264	
TBLK2-8251	TBLK	Hg	10/17/2008	14:52:07	0.000457	µg/L	1	0.000457	
0810029-001A		Hg	10/17/2008	14:54:12	0.069851	µg/L	1	0.069851	
0810110-002CMS	MS	Hg	10/17/2008	14:56:19	2.067973	µg/L	1	2.067973	
0810110-002CMSD	MSD	Hg	10/17/2008	14:58:27	2.078266	µg/L	1	2.078266	
0810082-002A		Hg	10/17/2008	15:00:34	17.96315	µg/L	5	3.592631	
0810082-002AMS	MS	Hg	10/17/2008	15:02:42	19.07259	µg/L	5	3.814518	
CCV5	CCV	Hg	10/17/2008	15:04:51	2.13998	µg/L	1	2.13998	
CCB5	CCB	Hg	10/17/2008	15:07:00	0.000856	µg/L	1	0.000856	
0810082-002AMSD	MSD	Hg	10/17/2008	15:09:10	19.1121	µg/L	5	3.822421	
0809150-001A	PDS	Hg	10/17/2008	15:22:41	2.02047	µg/L	1	2.02047	Post digestion spike
0809196-002A	SD	Hg	10/17/2008	15:24:52	-0.01956	µg/L	5	-0.00391	Dilution Test
0809196-002A	PDS	Hg	10/17/2008	15:27:03	2.034421	µg/L	1	2.034421	Recovery Test
0810110-002C	SD	Hg	10/17/2008	15:29:14	0.00834	µg/L	5	0.001668	Dilution Test
0810110-002C	PDS	Hg	10/17/2008	15:31:27	2.056274	µg/L	1	2.056274	Recovery Test
CCV6	CCV	Hg	10/17/2008	15:33:40	2.117827	µg/L	1	2.117827	
CCB6	CCB	Hg	10/17/2008	15:35:50	0.000214	µg/L	1	0.000214	(SA = 2 µg/L)

Analyst: Cang Tran

Date: 10/20/08

Reviewer:

Date: 10/23/

Method Name: Hg10
Method Description: Hg with SnCl
Element: Hg

Date: 10/17/2008
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: SAMPLE-W.SIF Results Data Set Name: HG10178

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 10/17/2008
Sample ID: Blank,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0006	0.0040	0.0006	11:19:56	No
2			0.0007	0.0047	0.0007	11:20:34	No
Mean:			0.0007				
SD :			0.0001				
%RSD:			7.8372				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 10/17/2008
Sample ID: 0.2 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0038	0.0289	0.0044	11:22:04	No
2			0.0037	0.0284	0.0043	11:22:42	No
Mean:			0.0037				
SD :			0.0001				
%RSD:			1.8674				

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.01863

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 10/17/2008
Sample ID: 0.5 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0096	0.0686	0.0102	11:24:14	No
2			0.0098	0.0664	0.0104	11:24:52	No
Mean:			0.0097				
SD :			0.0001				
%RSD:			1.3405				

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.99948 Slope: 0.01925

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 10/17/2008
Sample ID: 1.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0192	0.1286	0.0199	11:26:24	No
2			0.0192	0.1287	0.0198	11:27:02	No
Mean:			0.0192				
SD :			0.0000				
%RSD:							

CT 10/17/08

[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99992 Slope: 0.01921

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Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 10/17/2008
Sample ID: 2.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0384	0.2572	0.0390	11:28:37	No
2			0.0388	0.2603	0.0394	11:29:15	No
Mean:			0.0386				
SD :			0.0003				
%RSD:			0.7545				

[Hg] Standard number 4 applied. [2.000]
Correlation Coefficient: 0.99998 Slope: 0.01927

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 10/17/2008
Sample ID: 5.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0950	0.6343	0.0957	11:30:49	No
2			0.0967	0.6439	0.0974	11:31:27	No
Mean:			0.0959				
SD :			0.0012				
%RSD:			1.2563				

[Hg] Standard number 5 applied. [5.000]
Correlation Coefficient: 0.99999 Slope: 0.01919

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 10/17/2008
Sample ID: 10.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1831	1.2359	0.1838	11:33:03	No
2			0.1802	1.1659	0.1808	11:33:41	No
Mean:			0.1816				
SD :			0.0021				
%RSD:			1.1363				

[Hg] Standard number 6 applied. [10.00]
Correlation Coefficient: 0.99950 Slope: 0.01841

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Blank,	0.0007	---	----	----	----
0.2 ppb,	0.0037	0.200	0.202	0.0001	1.9
0.5 ppb,	0.0097	0.500	0.525	0.0001	1.3
1.0 ppb,	0.0192	1.000	1.042	0.0000	----
2.0 ppb,	0.0386	2.000	2.095	0.0003	0.8
5.0 ppb,	0.0959	5.000	5.206	0.0012	1.3
10.0 ppb,	0.1816	10.000	9.865	0.0021	1.1
Correlation Coefficient: 0.99950		Slope:	0.01841	----	

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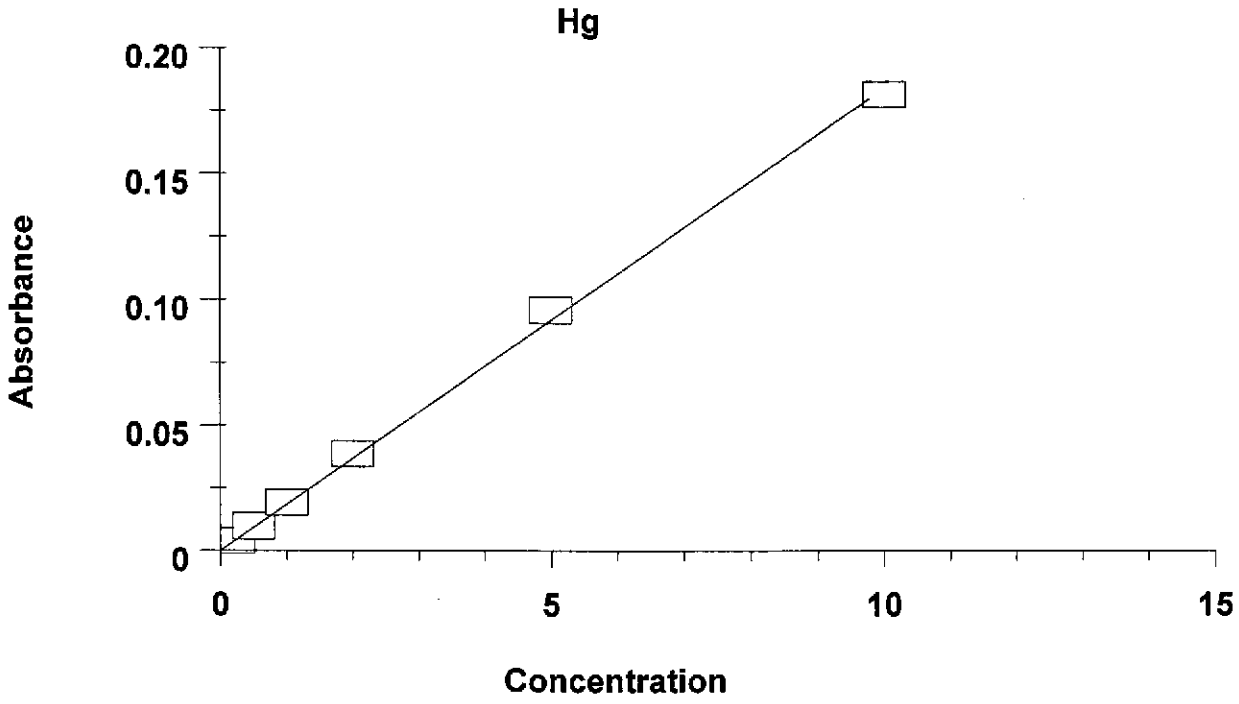

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Element: Hg Seq. No.: 8 AS Loc.: 9 Date: 10/17/2008
Sample ID: ICV,ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.026	4.026	0.0741	0.4947	0.0748	12:18:45	No
2	3.988	3.988	0.0734	0.4915	0.0741	12:19:23	No
Mean:	4.007	4.007	0.0738				
SD :	0.0274	0.0274	0.0005				
%RSD:	0.7	0.7	0.6829				

Element: Hg Seq. No.: 9 AS Loc.: 10 Date: 10/17/2008
Sample ID: ICB,ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006	0.006	0.0001	0.0054	0.0008	12:20:53	No
2	0.008	0.008	0.0001	0.0059	0.0008	12:21:31	No
Mean:	0.007	0.007	0.0001				
SD :	0.0008	0.0008	0.0000				
%RSD:	11.5	11.5	11.4585				

Element: Hg Seq. No.: 10 AS Loc.: 11 Date: 10/17/2008
Sample ID: CRA,CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.216	0.216	0.0040	0.0320	0.0046	12:23:02	No
2	0.208	0.208	0.0038	0.0298	0.0045	12:23:40	No
Mean:	0.212	0.212	0.0039				
SD :	0.0052	0.0052	0.0001				
%RSD:	2.4	2.4	2.4459				

Element: Hg Seq. No.: 11 AS Loc.: 12 Date: 10/17/2008
Sample ID: MB-8276,MBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0052	0.0008	12:25:12	No
2	0.005	0.005	0.0001	0.0051	0.0008	12:25:50	No
Mean:	0.005	0.005	0.0001				
SD :	0.0003	0.0003	0.0000				
%RSD:	5.8	5.8	5.7799				

Element: Hg Seq. No.: 12 AS Loc.: 13 Date: 10/17/2008
Sample ID: LCS-8276,LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.277	5.277	0.0972	0.6501	0.0978	12:27:23	No
2	5.179	5.179	0.0953	0.6298	0.0960	12:28:01	No
Mean:	5.228	5.228	0.0963				
SD :	0.0693	0.0693	0.0013				
%RSD:	1.3	1.3	1.3254				

Element: Hg Seq. No.: 13 AS Loc.: 14 Date: 10/17/2008
Sample ID: TBLK1-8251,TBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.050	0.050	0.0009	0.0107	0.0016	12:29:34	No
2	0.048	0.048	0.0009	0.0103	0.0015	12:30:12	No
Mean:	0.049	0.049	0.0009				

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```
SD  :    0.0016    0.0016    0.0000
%RSD:       3.3       3.3    3.3474

==========================================================================
Element: Hg    Seq. No.: 14       AS Loc.: 15   Date: 10/17/2008
Sample ID: 0810082-001A,
--------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak     Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area     Height            Stored
 1        0.013     0.013    0.0002   0.0061   0.0009   12:31:48  No
 2        0.011     0.011    0.0002   0.0059   0.0009   12:32:26  No
Mean:     0.012     0.012    0.0002
SD  :    0.0011    0.0011    0.0000
%RSD:       9.2       9.2    9.1773

==========================================================================
Element: Hg    Seq. No.: 15       AS Loc.: 16   Date: 10/17/2008
Sample ID: 0810082-002A,
--------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak     Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area     Height            Stored
 1       17.15     17.15    0.3158   2.1236   0.3165   12:34:01  No
Sample absorbance is greater than that of the highest standard.
 2       17.27     17.27    0.3180   2.1230   0.3186   12:34:39  No
Sample absorbance is greater than that of the highest standard.
Mean:    17.21     17.21    0.3169
SD  :   0.0833    0.0833    0.0015
%RSD:       0.5       0.5    0.4838
Sample absorbance is greater than that of the highest standard.

==========================================================================
Element: Hg    Seq. No.: 16       AS Loc.: 17   Date: 10/17/2008
Sample ID: 0810082-002AMS,MS
--------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak     Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area     Height            Stored
 1       16.33     16.33    0.3006   2.0548   0.3013   12:36:12  No
Sample absorbance is greater than that of the highest standard.
 2       16.19     16.19    0.2980   2.0338   0.2987   12:36:50  No
Sample absorbance is greater than that of the highest standard.
Mean:    16.26     16.26    0.2993
SD  :   0.1005    0.1005    0.0019
%RSD:       0.6       0.6    0.6181
Sample absorbance is greater than that of the highest standard.

==========================================================================
Element: Hg    Seq. No.: 17       AS Loc.: 18   Date: 10/17/2008
Sample ID: 0810082-002AMSD,MSD
--------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak     Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area     Height            Stored
 1       11.37     11.37    0.2093   1.4677   0.2099   12:38:19  No
Sample absorbance is greater than that of the highest standard.
 2       11.17     11.17    0.2056   1.4688   0.2063   12:38:57  No
Sample absorbance is greater than that of the highest standard.
Mean:    11.27     11.27    0.2074
SD  :   0.1400    0.1400    0.0026
%RSD:       1.2       1.2    1.2428
Sample absorbance is greater than that of the highest standard.

==========================================================================
Element: Hg    Seq. No.: 18       AS Loc.: 19   Date: 10/17/2008
Sample ID: 0810095-001C,
--------------------------------------------------------------------------
Repl   SampleConc  StndConc   BlnkCorr  Peak     Peak      Time    Peak
 #     µg/L        µg/L       Signal    Area     Height            Stored
 1       0.001     0.001    0.0000   0.0041   0.0007   12:40:26  No
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2	0.004	0.004	0.0001	0.0045	0.0007	12:41:05	No
Mean:	0.002	0.002	0.0000				
SD :	0.0018	0.0018	0.0000				
%RSD:	77.6	77.6	77.5528				

Element: Hg Seq. No.: 19 AS Loc.: 20 Date: 10/17/2008
Sample ID: 0810095-002C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0041	0.0006	12:42:36	No
2	-0.002	-0.002	0.0000	0.0041	0.0006	12:43:14	No
Mean:	-0.002	-0.002	0.0000				
SD :	0.0002	0.0002	0.0000				
%RSD:	9.6	9.6	9.6068				

Element: Hg Seq. No.: 20 AS Loc.: 21 Date: 10/17/2008
Sample ID: CCV1,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.130	2.130	0.0392	0.2623	0.0399	12:44:45	No
2	2.149	2.149	0.0396	0.2552	0.0402	12:45:23	No
Mean:	2.140	2.140	0.0394				
SD :	0.0133	0.0133	0.0002				
%RSD:	0.6	0.6	0.6210				

Element: Hg Seq. No.: 21 AS Loc.: 22 Date: 10/17/2008
Sample ID: CCB1,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0043	0.0007	12:46:54	No
2	0.002	0.002	0.0000	0.0044	0.0007	12:47:32	No
Mean:	0.002	0.002	0.0000				
SD :	0.0001	0.0001	0.0000				
%RSD:	3.5	3.5	3.4656				

Element: Hg Seq. No.: 22 AS Loc.: 23 Date: 10/17/2008
Sample ID: 0810095-003C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0000	0.0043	0.0007	12:49:03	No
2	0.002	0.002	0.0000	0.0044	0.0007	12:49:41	No
Mean:	0.002	0.002	0.0000				
SD :	0.0003	0.0003	0.0000				
%RSD:	19.8	19.8	19.7738				

Element: Hg Seq. No.: 23 AS Loc.: 24 Date: 10/17/2008
Sample ID: 0810110-001C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0039	0.0007	12:51:12	No
2	-0.001	-0.001	0.0000	0.0040	0.0007	12:51:50	No
Mean:	-0.001	-0.001	0.0000				
SD :	0.0002	0.0002	0.0000				
%RSD:	32.6	32.6	32.5940				

Element: Hg Seq. No.: 24 AS Loc.: 25 Date: 10/17/2008

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Sample ID: 0810110-002C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0047	0.0007	12:53:23	No
2	0.005	0.005	0.0001	0.0046	0.0008	12:54:01	No
Mean:	0.004	0.004	0.0001				
SD :	0.0009	0.0009	0.0000				
%RSD:	20.7	20.7	20.6869				

Element: Hg Seq. No.: 25 AS Loc.: 26 Date: 10/17/2008
Sample ID: 0810110-003C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.011	0.011	0.0002	0.0054	0.0009	12:55:34	No
2	0.010	0.010	0.0002	0.0055	0.0009	12:56:12	No
Mean:	0.011	0.011	0.0002				
SD :	0.0002	0.0002	0.0000				
%RSD:	2.2	2.2	2.1549				

Element: Hg Seq. No.: 26 AS Loc.: 27 Date: 10/17/2008
Sample ID: 0810110-004C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0047	0.0007	12:57:45	No
2	0.004	0.004	0.0001	0.0041	0.0007	12:58:23	No
Mean:	0.004	0.004	0.0001				
SD :	0.0004	0.0004	0.0000				
%RSD:	8.9	8.9	8.8987				

Element: Hg Seq. No.: 27 AS Loc.: 28 Date: 10/17/2008
Sample ID: 0810110-005C,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008	0.008	0.0001	0.0051	0.0008	12:59:56	No
2	0.008	0.008	0.0002	0.0049	0.0008	01:00:34	No
Mean:	0.008	0.008	0.0001				
SD :	0.0005	0.0005	0.0000				
%RSD:	5.9	5.9	5.8778				

Element: Hg Seq. No.: 28 AS Loc.: 29 Date: 10/17/2008
Sample ID: MB-8275,MBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	-0.0001	0.0037	0.0006	01:02:09	No
2	-0.004	-0.004	-0.0001	0.0036	0.0006	01:02:47	No
Mean:	-0.004	-0.004	-0.0001				
SD :	0.0002	0.0002	0.0000				
%RSD:	4.8	4.8	4.8448				

Element: Hg Seq. No.: 29 AS Loc.: 30 Date: 10/17/2008
Sample ID: LCS-8275,LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.245	5.245	0.0966	0.6221	0.0972	01:04:22	No
2	5.171	5.171	0.0952	0.6148	0.0959	01:05:00	No
Mean:	5.208	5.208	0.0959				

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SD :	0.0522	0.0522	0.0010				
%RSD:	1.0	1.0	1.0028				

Element: Hg Seq. No.: 30 AS Loc.: 31 Date: 10/17/2008
Sample ID: TBLK2-8160,TBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006	-0.006	-0.0001	0.0031	0.0006	01:06:36	No
2	-0.003	-0.003	-0.0001	0.0038	0.0006	01:07:14	No
Mean:	-0.004	-0.004	-0.0001				
SD :	0.0024	0.0024	0.0000				
%RSD:	53.1	53.1	53.1129				

Element: Hg Seq. No.: 31 AS Loc.: 32 Date: 10/17/2008
Sample ID: 0809150-001A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.130	0.130	0.0024	0.0194	0.0031	01:08:45	No
2	0.131	0.131	0.0024	0.0192	0.0031	01:09:23	No
Mean:	0.130	0.130	0.0024				
SD :	0.0010	0.0010	0.0000				
%RSD:	0.7	0.7	0.7418				

Element: Hg Seq. No.: 32 AS Loc.: 33 Date: 10/17/2008
Sample ID: CCV2,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.158	2.158	0.0397	0.2588	0.0404	01:10:52	No
2	2.142	2.142	0.0394	0.2573	0.0401	01:11:30	No
Mean:	2.150	2.150	0.0396				
SD :	0.0114	0.0114	0.0002				
%RSD:	0.5	0.5	0.5313				

Element: Hg Seq. No.: 33 AS Loc.: 34 Date: 10/17/2008
Sample ID: CCB2,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0000	0.0043	0.0007	01:12:59	No
2	0.001	0.001	0.0000	0.0043	0.0007	01:13:37	No
Mean:	0.001	0.001	0.0000				
SD :	0.0002	0.0002	0.0000				
%RSD:	20.4	20.4	20.4132				

Element: Hg Seq. No.: 34 AS Loc.: 35 Date: 10/17/2008
Sample ID: 0809150-001AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.317	0.317	0.0058	0.0424	0.0065	01:15:06	No
2	0.301	0.301	0.0055	0.0401	0.0062	01:15:44	No
Mean:	0.309	0.309	0.0057				
SD :	0.0114	0.0114	0.0002				
%RSD:	3.7	3.7	3.6884				

Element: Hg Seq. No.: 35 AS Loc.: 36 Date: 10/17/2008
Sample ID: 0809150-001AMSD,MSD

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.206	0.206	0.0038	0.0287	0.0045	01:17:14	No
2	0.209	0.209	0.0038	0.0289	0.0045	01:17:52	No
Mean:	0.207	0.207	0.0038				
SD :	0.0018	0.0018	0.0000				
%RSD:	0.9	0.9	0.8790				

Element: Hg Seq. No.: 36 AS Loc.: 37 Date: 10/17/2008
Sample ID: 0809150-002A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.154	0.154	0.0028	0.0223	0.0035	01:19:23	No
2	0.151	0.151	0.0028	0.0220	0.0035	01:20:01	No
Mean:	0.152	0.152	0.0028				
SD :	0.0017	0.0017	0.0000				
%RSD:	1.1	1.1	1.1011				

Element: Hg Seq. No.: 37 AS Loc.: 38 Date: 10/17/2008
Sample ID: 0809150-003A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.220	0.220	0.0040	0.0305	0.0047	01:21:32	No
2	0.211	0.211	0.0039	0.0298	0.0046	01:22:10	No
Mean:	0.216	0.216	0.0040				
SD :	0.0059	0.0059	0.0001				
%RSD:	2.7	2.7	2.7409				

Element: Hg Seq. No.: 38 AS Loc.: 39 Date: 10/17/2008
Sample ID: 0809150-004A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.429	0.429	0.0079	0.0559	0.0086	01:23:41	No
2	0.427	0.427	0.0079	0.0531	0.0085	01:24:19	No
Mean:	0.428	0.428	0.0079				
SD :	0.0012	0.0012	0.0000				
%RSD:	0.3	0.3	0.2912				

Element: Hg Seq. No.: 39 AS Loc.: 40 Date: 10/17/2008
Sample ID: 0809150-005A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.025	0.025	0.0005	0.0070	0.0011	01:25:51	No
2	0.024	0.024	0.0005	0.0067	0.0011	01:26:29	No
Mean:	0.025	0.025	0.0005				
SD :	0.0006	0.0006	0.0000				
%RSD:	2.4	2.4	2.3848				

Element: Hg Seq. No.: 40 AS Loc.: 41 Date: 10/17/2008
Sample ID: 0809150-006A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.089	0.089	0.0016	0.0148	0.0023	01:28:02	No
2	0.089	0.089	0.0016	0.0149	0.0023	01:28:40	No
Mean:	0.089	0.089	0.0016				
SD :	0.0001	0.0001	0.0000				
%RSD:							

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Element: Hg Seq. No.: 41 AS Loc.: 42 Date: 10/17/2008
Sample ID: 0809150-007A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.096	0.096	0.0018	0.0157	0.0024	01:30:13	No
2	0.100	0.100	0.0018	0.0162	0.0025	01:30:51	No
Mean:	0.098	0.098	0.0018				
SD :	0.0027	0.0027	0.0000				
%RSD:	2.7	2.7	2.7085				

Element: Hg Seq. No.: 42 AS Loc.: 43 Date: 10/17/2008
Sample ID: TBLK2-8171,TBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.005	-0.005	-0.0001	0.0036	0.0006	01:32:24	No
2	-0.004	-0.004	-0.0001	0.0037	0.0006	01:33:02	No
Mean:	-0.004	-0.004	-0.0001				
SD :	0.0009	0.0009	0.0000				
%RSD:	20.5	20.5	20.5293				

Element: Hg Seq. No.: 43 AS Loc.: 44 Date: 10/17/2008
Sample ID: 0809150-008A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.215	0.215	0.0040	0.0299	0.0046	01:34:35	No
2	0.214	0.214	0.0039	0.0295	0.0046	01:35:13	No
Mean:	0.214	0.214	0.0039				
SD :	0.0007	0.0007	0.0000				
%RSD:	0.3	0.3	0.3354				

Element: Hg Seq. No.: 44 AS Loc.: 45 Date: 10/17/2008
Sample ID: CCV3,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.117	2.117	0.0390	0.2570	0.0396	01:36:48	No
2	2.123	2.123	0.0391	0.2564	0.0398	01:37:26	No
Mean:	2.120	2.120	0.0390				
SD :	0.0040	0.0040	0.0001				
%RSD:	0.2	0.2	0.1888				

Element: Hg Seq. No.: 45 AS Loc.: 46 Date: 10/17/2008
Sample ID: CCB3,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0000	0.0046	0.0007	01:39:01	No
2	0.002	0.002	0.0000	0.0044	0.0007	01:39:39	No
Mean:	0.002	0.002	0.0000				
SD :	0.0001	0.0001	0.0000				
%RSD:	5.9	5.9	5.8949				

Element: Hg Seq. No.: 46 AS Loc.: 47 Date: 10/17/2008
Sample ID: 0809150-009A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.992	0.992	0.0183	0.1193	0.0189	01:41:14	No
2	0.985	0.985	0.0181	0.1188	0.0188	01:41:52	No
Mean:	0.989	0.989	0.0182				

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SD :	0.0045	0.0045	0.0001				
%RSD:	0.5	0.5	0.4599				

Element: Hg Seq. No.: 47 AS Loc.: 48 Date: 10/17/2008
Sample ID: 0809150-010A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.138	0.138	0.0025	0.0208	0.0032	01:43:25	No
2	0.142	0.142	0.0026	0.0211	0.0033	01:44:03	No
Mean:	0.140	0.140	0.0026				
SD :	0.0026	0.0026	0.0000				
%RSD:	1.8	1.8	1.8353				

Element: Hg Seq. No.: 48 AS Loc.: 49 Date: 10/17/2008
Sample ID: 0809150-011A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.347	1.347	0.0248	0.1627	0.0255	01:45:32	No
2	1.353	1.353	0.0249	0.1622	0.0256	01:46:10	No
Mean:	1.350	1.350	0.0249				
SD :	0.0040	0.0040	0.0001				
%RSD:	0.3	0.3	0.2989				

Element: Hg Seq. No.: 49 AS Loc.: 50 Date: 10/17/2008
Sample ID: 0809150-012A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.128	0.128	0.0024	0.0192	0.0030	01:47:39	No
2	0.126	0.126	0.0023	0.0190	0.0030	01:48:17	No
Mean:	0.127	0.127	0.0023				
SD :	0.0019	0.0019	0.0000				
%RSD:	1.5	1.5	1.5264				

Element: Hg Seq. No.: 50 AS Loc.: 51 Date: 10/17/2008
Sample ID: 0809150-013A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.907	0.907	0.0167	0.1117	0.0174	01:49:46	No
2	0.909	0.909	0.0167	0.1111	0.0174	01:50:24	No
Mean:	0.908	0.908	0.0167				
SD :	0.0012	0.0012	0.0000				
%RSD:	0.1	0.1	0.1346				

Element: Hg Seq. No.: 51 AS Loc.: 52 Date: 10/17/2008
Sample ID: 0809150-014A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.251	0.251	0.0046	0.0341	0.0053	01:51:53	No
2	0.253	0.253	0.0047	0.0329	0.0053	01:52:31	No
Mean:	0.252	0.252	0.0046				
SD :	0.0018	0.0018	0.0000				
%RSD:	0.7	0.7	0.7235				

Element: Hg Seq. No.: 52 AS Loc.: 53 Date: 10/17/2008
Sample ID: TBLK1-8215,TBLK

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0037	0.0006	01:54:01	No
2	-0.003	-0.003	0.0000	0.0037	0.0006	01:54:39	No
Mean:	-0.002	-0.002	0.0000				
SD :	0.0001	0.0001	0.0000				
%RSD:	3.7	3.7	3.7465				

Element: Hg Seq. No.: 53 AS Loc.: 54 Date: 10/17/2008
Sample ID: 0809196-001A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.003	-0.003	-0.0001	0.0038	0.0006	01:56:10	No
2	-0.003	-0.003	-0.0001	0.0036	0.0006	01:56:48	No
Mean:	-0.003	-0.003	-0.0001				
SD :	0.0005	0.0005	0.0000				
%RSD:	14.5	14.5	14.4924				

Element: Hg Seq. No.: 54 AS Loc.: 55 Date: 10/17/2008
Sample ID: 0809196-002A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0039	0.0006	01:58:20	No
2	-0.002	-0.002	0.0000	0.0039	0.0006	01:58:58	No
Mean:	-0.002	-0.002	0.0000				
SD :	0.0006	0.0006	0.0000				
%RSD:	28.8	28.8	28.7733				

Element: Hg Seq. No.: 55 AS Loc.: 56 Date: 10/17/2008
Sample ID: 0809196-002AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.946	0.946	0.0174	0.1150	0.0181	02:00:28	No
2	0.967	0.967	0.0178	0.1167	0.0185	02:01:06	No
Mean:	0.957	0.957	0.0176				
SD :	0.0148	0.0148	0.0003				
%RSD:	1.6	1.6	1.5513				

Element: Hg Seq. No.: 56 AS Loc.: 57 Date: 10/17/2008
Sample ID: CCV4,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.133	2.133	0.0393	0.2545	0.0399	02:02:38	No
2	2.132	2.132	0.0392	0.2527	0.0399	02:03:16	No
Mean:	2.132	2.132	0.0393				
SD :	0.0010	0.0010	0.0000				
%RSD:							

Element: Hg Seq. No.: 57 AS Loc.: 58 Date: 10/17/2008
Sample ID: CCB4,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0000	0.0045	0.0007	02:04:49	No
2	0.004	0.004	0.0001	0.0050	0.0007	02:05:27	No
Mean:	0.003	0.003	0.0001				
SD :	0.0014	0.0014	0.0000				
%RSD:	44.3	44.3	44.3443				

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Element: Hg Seq. No.: 58 AS Loc.: 59 Date: 10/17/2008
Sample ID: 0809196-002AMSD,MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.944	0.944	0.0174	0.1165	0.0180	02:07:02	No
2	0.942	0.942	0.0173	0.1163	0.0180	02:07:40	No
Mean:	0.943	0.943	0.0174				
SD :	0.0011	0.0011	0.0000				
%RSD:	0.1	0.1	0.1198				

Element: Hg Seq. No.: 59 AS Loc.: 60 Date: 10/17/2008
Sample ID: 0809196-003A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008	0.008	0.0001	0.0051	0.0008	02:44:55	No
2	0.008	0.008	0.0002	0.0052	0.0008	02:45:33	No
Mean:	0.008	0.008	0.0001				
SD :	0.0004	0.0004	0.0000				
%RSD:	5.4	5.4	5.4243				

Element: Hg Seq. No.: 60 AS Loc.: 61 Date: 10/17/2008
Sample ID: 0809196-004A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005	0.005	0.0001	0.0052	0.0008	02:47:07	No
2	0.004	0.004	0.0001	0.0055	0.0008	02:47:45	No
Mean:	0.005	0.005	0.0001				
SD :	0.0002	0.0002	0.0000				
%RSD:	4.7	4.7	4.7313				

Element: Hg Seq. No.: 61 AS Loc.: 62 Date: 10/17/2008
Sample ID: 0809196-005A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0048	0.0007	02:49:20	No
2	0.004	0.004	0.0001	0.0048	0.0007	02:49:58	No
Mean:	0.004	0.004	0.0001				
SD :	0.0000	0.0000	0.0000				
%RSD:	0.5	0.5	0.5293				

Element: Hg Seq. No.: 62 AS Loc.: 63 Date: 10/17/2008
Sample ID: TBLK2-8251,TBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0045	0.0007	02:51:29	No
2	0.001	0.001	0.0000	0.0046	0.0007	02:52:07	No
Mean:	0.000	0.000	0.0000				
SD :	0.0001	0.0001	0.0000				
%RSD:	31.8	31.8	31.8002				

Element: Hg Seq. No.: 63 AS Loc.: 64 Date: 10/17/2008
Sample ID: 0810029-001A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.069	0.069	0.0013	0.0127	0.0019	02:53:34	No
2	0.071	0.071	0.0013	0.0128	0.0020	02:54:12	No
Mean:	0.070	0.070	0.0013				
SD :	0.0015	0.0015	0.0000				
%RSD:	2.2	2.2	2.2190				

Element: Hg Seq. No.: 64 AS Loc.: 65 Date: 10/17/2008
Sample ID: 0810110-002CMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.066	2.066	0.0380	0.2495	0.0387	02:55:41	No
2	2.070	2.070	0.0381	0.2504	0.0388	02:56:19	No
Mean:	2.068	2.068	0.0381				

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SD :	0.0033	0.0033	0.0001
%RSD:	0.2	0.2	0.1580

Element: Hg Seq. No.: 65 AS Loc.: 66 Date: 10/17/2008
Sample ID: 0810110-002CMSD,MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.079	2.079	0.0383	0.2520	0.0389	02:57:49	No
2	2.077	2.077	0.0383	0.2422	0.0389	02:58:27	No
Mean:	2.078	2.078	0.0383				
SD :	0.0011	0.0011	0.0000				
%RSD:							

Element: Hg Seq. No.: 66 AS Loc.: 67 Date: 10/17/2008
Sample ID: 0810082-002A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	17.94	3.588	0.0661	0.4298	0.0667	02:59:56	No
2	17.99	3.597	0.0662	0.4261	0.0669	03:00:34	No
Mean:	17.96	3.593	0.0661				
SD :	0.0338	0.0068	0.0001				
%RSD:	0.2	0.2	0.1880				

Element: Hg Seq. No.: 67 AS Loc.: 68 Date: 10/17/2008
Sample ID: 0810082-002AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	18.74	3.749	0.0690	0.4426	0.0697	03:02:04	No
2	19.40	3.880	0.0714	0.4602	0.0721	03:02:42	No
Mean:	19.07	3.815	0.0702				
SD :	0.4656	0.0931	0.0017				
%RSD:	2.4	2.4	2.4414				

Element: Hg Seq. No.: 68 AS Loc.: 69 Date: 10/17/2008
Sample ID: CCV5,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.135	2.135	0.0393	0.2573	0.0400	03:04:13	No
2	2.145	2.145	0.0395	0.2501	0.0402	03:04:51	No
Mean:	2.140	2.140	0.0394				
SD :	0.0077	0.0077	0.0001				
%RSD:	0.4	0.4	0.3582				

Element: Hg Seq. No.: 69 AS Loc.: 70 Date: 10/17/2008
Sample ID: CCB5,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0000	0.0041	0.0007	03:06:22	No
2	0.001	0.001	0.0000	0.0043	0.0007	03:07:00	No
Mean:	0.001	0.001	0.0000				
SD :	0.0000	0.0000	0.0000				
%RSD:	3.8	3.8	3.7570				

Element: Hg Seq. No.: 70 AS Loc.: 71 Date: 10/17/2008
Sample ID: 0810082-002AMSD,MSD

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	19.19	3.838	0.0707	0.4576	0.0713	03:08:32	No
2	19.03	3.806	0.0701	0.4411	0.0707	03:09:10	No
Mean:	19.11	3.822	0.0704				
SD :	0.1137	0.0227	0.0004				
%RSD:	0.6	0.6	0.5949				

Element: Hg Seq. No.: 71 AS Loc.: 72 Date: 10/17/2008
Sample ID: 0809150-001A,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.024	2.024	0.0373	0.2428	0.0379	03:22:03	No
2	2.017	2.017	0.0371	0.2414	0.0378	03:22:41	No
Mean:	2.020	2.020	0.0372				
SD :	0.0053	0.0053	0.0001				
%RSD:	0.3	0.3	0.2641				

Element: Hg Seq. No.: 72 AS Loc.: 73 Date: 10/17/2008
Sample ID: 0809196-002A,SD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.017	-0.003	-0.0001	0.0038	0.0006	03:24:14	No
2	-0.022	-0.004	-0.0001	0.0035	0.0006	03:24:52	No
Mean:	-0.020	-0.004	-0.0001				
SD :	0.0037	0.0007	0.0000				
%RSD:	18.8	18.8	18.7644				

Element: Hg Seq. No.: 73 AS Loc.: 74 Date: 10/17/2008
Sample ID: 0809196-002A,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.031	2.031	0.0374	0.2386	0.0381	03:26:25	No
2	2.038	2.038	0.0375	0.2408	0.0382	03:27:03	No
Mean:	2.034	2.034	0.0375				
SD :	0.0047	0.0047	0.0001				
%RSD:	0.2	0.2	0.2332				

Element: Hg Seq. No.: 74 AS Loc.: 75 Date: 10/17/2008
Sample ID: 0810110-002C,SD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008	0.002	0.0000	0.0044	0.0007	03:28:36	No
2	0.008	0.002	0.0000	0.0044	0.0007	03:29:14	No
Mean:	0.008	0.002	0.0000				
SD :	0.0001	0.0000	0.0000				
%RSD:	1.0	1.0	0.9581				

Element: Hg Seq. No.: 75 AS Loc.: 76 Date: 10/17/2008
Sample ID: 0810110-002C,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.056	2.056	0.0379	0.2485	0.0385	03:30:49	No
2	2.057	2.057	0.0379	0.2385	0.0385	03:31:27	No
Mean:	2.056	2.056	0.0379				
SD :	0.0005	0.0005	0.0000				
%RSD:							

Element: Hg Seq. No.: 76 AS Loc.: 77 Date: 10/17/2008
Sample ID: CCV6,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.124	2.124	0.0391	0.2517	0.0398	03:33:02	No
2	2.112	2.112	0.0389	0.2492	0.0395	03:33:40	No
Mean:	2.118	2.118	0.0390				

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SD :	0.0086	0.0086	0.0002
%RSD:	0.4	0.4	0.4061

Element: Hg Seq. No.: 77 AS Loc.: 78 Date: 10/17/2008
Sample ID: CCB6,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0000	0.0043	0.0007	03:35:12	No
2	0.000	0.000	0.0000	0.0040	0.0007	03:35:50	No
Mean:	0.000	0.000	0.0000				
SD :	0.0008	0.0008	0.0000				
%RSD:	364.2	364.2	364.1862				

Laboratory Worksheets

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # — Date: 10/16/08

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
0.0 ppb STD	—	0.0 mL	50	7470A	7723-S
0.2		0.2			"
0.5		0.5			
1.0		1.0			
2.0		2.0			
5.0		5.0			
10.0		10.0			↓
ICV		4.0			7719-S
ICB		50			7714-S
CRA		0.2			7720-S
CCV		2.0			7721-S
CCV		2.0			7722-S
CCB		50			7714-S
CCB	↓	50	↓	↓	7714-S

CT 10/16/08

Reagents/stds #:

(A) 50 ppb working std soln # 7712-S

(B) 50 ppb reference std soln # 7713-S

(C) — mL of spike soln # —

HNO_3 # Baker E27027 $KMnO_4$ # 2878-R

H_2SO_4 # Baker G04F02 $NaCl(NH_2OH)$ # 2852-R

$K_2S_2O_8$ # 2879-R Carrier # 2912-R

Aqua Regia # — $SnCl_2$ # 2913-R

Digestion start: 16:15 finish: 18:15 Temperature: 95 °C

Prepared By: Cang Tran

Date: 10/16/08

Reviewed By: [signature]

Date: 10/22/08

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # 8276 Date: 10/16/08

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
MB-8276	—	50mL	50	7470A	
LCS-8276	↓	↓	↓	↓	5mL (B)
TBLK1-8251	[redacted]	25mL			
0810082-001A					
-002A					
-002AMS					(C)
-002AMSD					(C)
0810095-001C	[redacted]	50mL			
-002C					
-003C					
0810110-001C	BEARDSLEY				
-002C					
-003C					
-004C					
-005C					
0810110-002CMS					2mL (B)
0810110-002CMSD					↓
					CT 10/16/08

CT 10/16/08

Reagents/stds #:

(A) 50 ppb working std soln # 7712-5

(B) 50 ppb reference std soln # 7713-5

(C) 0.1 mL of spike soln # 7657-5

HNO_3 # Baker E27027

H_2SO_4 # Baker G04F02

$K_2S_2O_8$ # 2879-R

Aqua Regia # —

$KMnO_4$ # 2878-R

$NaCl(NH_2OH)$ # 2852-R

Carrier # 2912-R

$SnCl_2$ # 2913-R

Digestion start: 16:15 finish: 18:15 Temperature: 95 °C

Prepared By: Cang Tran

Date: 10/16/08

Reviewed By: [signature]

Date: 10/22/08

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7703-5	10/13/08	10/13/08	Hg - 50 ppb (Working STD)	0.5mL (7281-5) + 4mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD	7281-5	CT
	↓	↓					Baker	E27027	↓
7704-5			Hg - 50 ppb (REF STD)	0.5mL (7282-5) + 4mL Conc. HNO_3	↓	50 ppb	Absolute	7282-5	
							Baker	E27027	
7705-5			ICB/CCB	0.5mL Conc. HNO_3		—	Baker	E27027	
7706-5	10/13/08	10/13/08	ICV (Hg)	4.0mL (7704-5)	↗ 50mL w/ DI	4.0 ppb	Absolute	7704-5	CT
7707-5	↓	↓	CRA (Hg)	0.2mL (7703-5)	↓	0.2	AccuSTD	7703-5	↓
7709-5			CCV (Hg)	2.0mL (7703-5)		2.0	↓	7703-5	
7710-5	10/13/08	10/13/08	Hg Cal Curve (WATER)	0.0mL (7703-5)		0.0 ppb	AccuSTD	7703-5	CT
	↓	↓	↓	0.2		0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7711-5	10/17/08	10/17/08	TCLP Hg SPK. SOLN	2.5mL (7287-5) + 5mL conc HNO_3	↗ 50mL w/ DI	1 ppm	ABSOLUTE BAKER	(7282-5) E27027	DZ
7712-5	10/16/08	10/16/08	Hg - 50 ppb (Working STD)	0.5mL (7281-5) + 4mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD	7281-5	CT
	↓	↓					Baker	E27027	↓
7713-5			Hg - 50 ppb (REF STD)	0.5mL (7282-5) + 4mL Conc. HNO_3	↓	50 ppb	Absolute	7282-5	
							Baker	E27027	
7714-5			ICB/CCB	0.5mL Conc. HNO_3		—	Baker	E27027	

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7715-5	10/16/08	10/16/08	ICV (Hg)	4.0 mL (7713-5)	↗ 50 mL	4.0 ppb	Absolute	7713-5	CT
7716-5	↓	↓	CRA (Hg)	0.2 mL (7712-5)	w/ DI	0.2	AccuSTD	7712-5	↓
7717-5			CCV (Hg)	2.0 mL (7712-5)	↓	2.0	↓	↓	
7718-5	10/16/08	10/16/08	Hg Cal Curve (SOIL)	0.0 mL (7712-5)		0.0 ppb	AccuSTD	7712-5	CT
	↓	↓	↓	0.2		0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0	↓	10.0	↓	↓	
7719-5	10/16/08	10/16/08	ICV (Hg)	4.0 mL (7713-5)	↗ 50 mL	4.0 ppb	Absolute	7713-5	CT
7720-5	↓	↓	CRA (Hg)	0.2 mL (7712-5)	w/ DI	0.2	AccuSTD	7712-5	↓
7721-5			CCV (Hg)	2.0 mL (7712-5)		2.0	↓	↓	
7722-5	↓	↓	CCV (Hg)	2.0 mL (7712-5)		2.0 ppb	↓	↓	
7723-5	10/16/08	10/16/08	Hg Cal Curve (WATER)	0.0 mL (7712-5)		0.0 ppb	AccuSTD	7712-5	
	↓	↓	↓	0.2		0.2	↓	↓	
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0	↓	10.0	↓	↓	

Reviewed By: _____

Date: _____

125 Market Street
New Haven, CT 06513 USA

AccuStandard, Inc.

Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

Item Number: TCLP-02-1

Element: TCLP Standard #2 - Mercury

Matrix: 5% HNO3

Lot Number: B8025003

Expiration Date: Feb / 2010

7281-5

Received – 3/12/08

Opened –

Expire – 2/28/10

Actual Lot Analysis

TCLP Standard #2 - Mercury 20 µg/mL

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

The concentration of the final solution was verified by ICP against NIST SRM# 3133

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

AccuStandard

L. Snyder

Lydia Snyder
Inorganic QC Supervisi

Absolute Standards, Inc.
800-368-1131
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ISO 9001 QS Registered
ISO 25 Accredited

CERTIFIED WEIGHT REPORT:

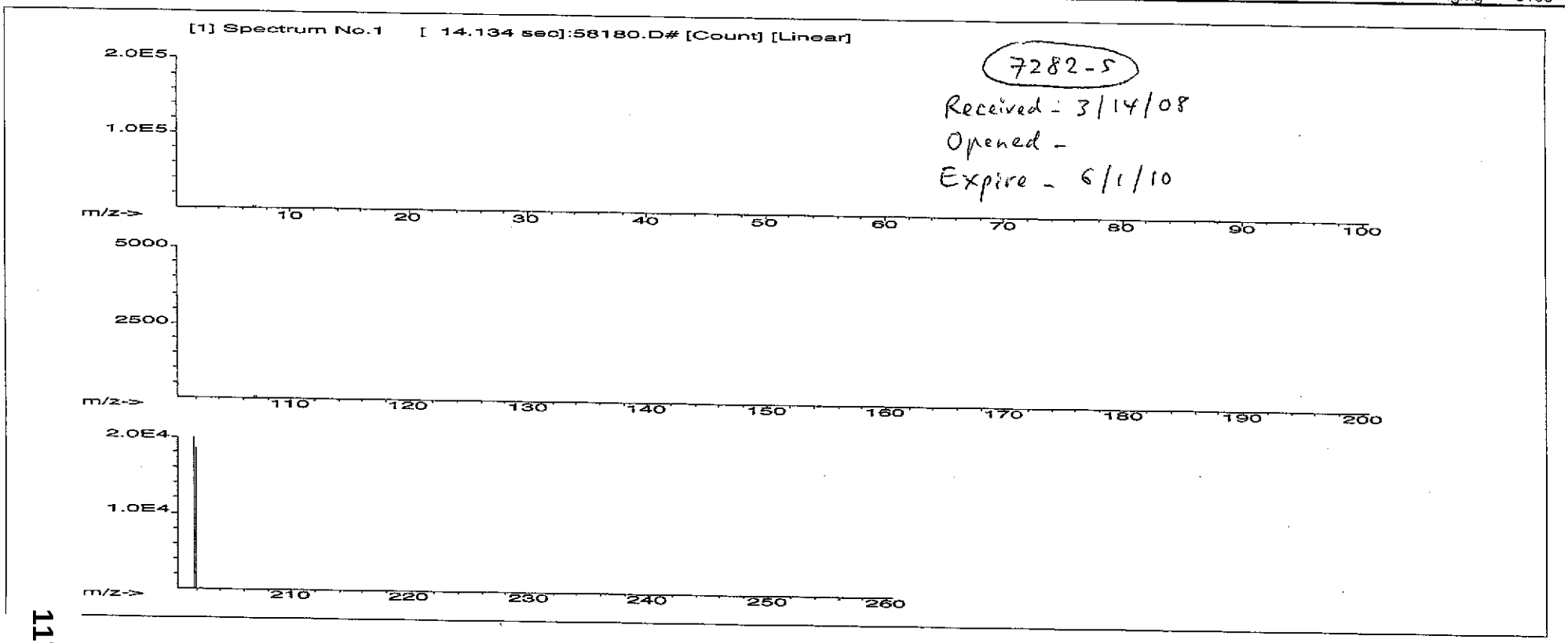
		Lot #	Solvent(s):		
Part Number:	**52009**	P676766	Nitric Acid		
Lot Number:	060107				
Description:	Mercury (Hg)				
	(TCLP) Cold Vapor Standard	2.0%	10.0 (mL)	Nitric Acid	
Expiration Date:	060110				

Nominal Concentration (µg/mL): 20

Weight(s) shown below were combined and diluted to (mL): 500.04 5E-05 Balance Uncertainty 0.025 Flask Uncertainty

Formulated By:	Justin Dippold	060107
Reviewed By:	Pedro L. Rentas	060107

Compound	Part Number	Lot Number	Dilution Factor	Initial Volume	Uncertainty Pipette	Initial Conc. (ug/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-)	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Mercury Nitrate (Hg)	57080	011607	0.0200	10.0	0.006	1000.2	20.0	0.00235	07783-34-8	N/A	orl-rat 51 mg/kg	3133



7282-5
Received - 3/14/08
Opened -
Expire - 6/1/10

1179

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

ISO 9001:2000 QS Registered
ISO 17025 Accredited

AbsoluteGrade™ Solution

Mercury (Hg)

Certified Concentration (µg/mL)	(µg/mL)	(+/-)
	20.0	0.047

7282-5

Received - 3/12/08
Opened -
Expire - 6/1/10

Part# 52009
Lot# 060107

The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise specified.

TRACEABILITY DOCUMENTATION:

A) Classical Chemical Analysis:

Method	Traceability	Concentration (µg/mL)
EDTA Titration	NIST SRM 928 Lead Nitrate	N/A
Gravimetric Analysis	NIST Weights	N/A

B) Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	*	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(*) =Target Element

C) Physical Characterization:

Analyzed Density of Solution (g/mL): 1.011
Temperature (°C): 21.0
Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

We use purified acids, 18 megohm double deionized water, calibrated Class A glassware and the highest purity raw materials available, (typically 99.999%). We meticulously clean our bottles by acid leaching and then triple rinsing with ASTM Type I water prior to use. Our standards are made gravimetrically using balances that are calibrated with weights traceable to NIST. **(NIST Test #: 732/245790).** We certify that all our standards are (+/-) 0.5% of the stated value unless otherwise stated, assuming that the bottle is kept tightly capped and stored under normal laboratory conditions.

Reference: Taylor, B.N. and Kuyatt, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. government Printing Office, V... DC, (1994).

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Life Science Laboratories, Inc. — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7274-S	3/10/08	3/10/08	Hg - 50 ppb (WORK-Hg STD)	0.5mL (6037-S) + 4mL Conc. HNO3	↑ 200mL w/ DI	50 ppb	AccuSTD	6037-S	CT
7275-S	3/10/08	3/10/08	Hg - 50 ppb (REF STD)	0.5mL (5487-S) + 4mL Conc. HNO3	↓	50 ppb	Absolute / Baker	5487-S / E27027	CT
7276-S	3/10/08	3/10/08	ICB / CCB (Hg)	0.5mL Conc. HNO3	↓	—	Baker	E27027	CT
7277-S	3/10/08	3/10/08	Hg Cal Curve (WATER)	0.0 mL (7274-S)	↑ 50mL w/ DI	0.0 ppb	AccuSTD	7274-S	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7278-S	3/10/08	3/10/08	CRA (Hg)	0.2 mL (7274-S)	↑ 100mL w/ DI	0.2 ppb	Acc STD	7274-S	CT
7279-S	↓	↓	CCV (Hg)	2.0 mL (7274-S)	↓	2.0 ppb	↓	↓	CT
7280-S			ICV (Hg)	4.0 mL (7274-S)		4.0 ppb	Absolute	7275-S	CT
7281-S	3/12/08	2/28/2010	Hg STD 20ppb	2mL Stock received 100mL	100mL	20 ppm	Acc STD	B8025003	CT
7282-S	3/14/08	6/1/10	Hg STD 20ppm	Stock received 100mL	100mL	20 ppm	Absolute	050107	CT
7283-S	3/17/08	3/17/08	STD TO CVAA	10mL (6514-S) + 10mL DI	20mL	10 ppb	AccuSTD	6514-S	CT
7284-S	↓	↓	STD 25	5mL (7283-S) + 5mL DI	10	25	↓	7283-S	↓
7285-S			STD 10	2mL (7283-S) + 8mL DI	10	10		7283-S	
7286-S			STD 2	2mL (7285-S) + 8mL DI	10	2		7285-S	

Reviewed By: _____

Date: _____