ECOTEST LABORATORIES INC.
377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

TITLE/COVER PAGE

QUALITY CONTROL DELIVERABLES

CLIENT: ST Environmental Services, Inc.
100 Morris Avenue
Glen Cove, NY 11542

CONTACT: Ross Hibler

JOB: Pelham Bay Landfill-Storm Water

DATE(S) OF SAMPLE COLLECTION: 10/19/09

ECOTEST SAMPLE ID NOS.: 294399.00

REPORT APPROVED BY: _____
JOHN AQUILINA

DATE APPROVED: 11/23/09

NJDEP LAB ID NO.: NY356
NYELAP ID NO.: 10320

JA
excel\john\qcpkg09\st4399b

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SUMMARY TABLE; CROSS-REFERENCE OF LABORATORY AND FIELD ID NOS. AND ANALYSES PERFORMED

SUMMARY TABLE; CROSS-REFERENCE OF LABORATORY AND FIELD ID NOS. AND ANALYSES PERFORMED

EcoTest ID#	Field ID#	Matrix	Date Col'd	Date Rec'd	ANALYSIS
294399.00	Storm Water 1	Water	10/19/09	10/19/09	SVOCs by EPA 8270, VOCs by EPA 8260, Pest./PCBs by EPA 608, , Metals by EPA 200.7/245.2, CN. by EPA 335.4,, Cl by 204500ClB, NH3 by 4500NH3D, Nitrate by EPA 353.2, Sulfate by ASD51602, TDS by 2540C

CHAIN OF CUSTODY FORMS

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

294399

Client: Severn Trent Services
Address: 100 Morris Ave
Glen Cove, N.Y. 11542
Phone: 516-674-6032 FAX: 516-674-0151
Person receiving report: Ross Hibler
Sampled by: John Matthews
Source: Storm water Pelham Bay landfill
Job No.: 1317

TYPE & NUMBER OF CONTAINERS

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC's (HCL)	Pest/PCB's	Base Neutrals	AE	Metals (HNO3)	CN (NaOH)	N.Cod (H2SO4)	Non Metals			QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
W	10/19	12:00	Storm Water 1	13	3	3	1	1	1	1	1	2					Cat B QAQC

TEMP = 2.3°C

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
[signature] Representing:	10/19/09 14:24	YES NO NA	[signature] Representing:	Representing:		YES NO NA	Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

DATA REPORTS

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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.294399.00 11/03/09

ST, Environmental Services, Incorporated
100 Morris Avenue
Glen Cove, NY 11542
ATTN: Ross Hibler PO#:1317

SOURCE OF SAMPLE: Pelham Bay Landfill-Storm Water
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/09 RECEIVED:10/19/09
TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		102009	1	EPA8260
Bromomethane	ug/L	< 1		102009	1	EPA8260
Vinyl Chloride	ug/L	< 1		102009	1	EPA8260
Chloroethane	ug/L	< 1		102009	1	EPA8260
Methylene Chloride	ug/L	< 1		102009	1	EPA8260
Acetone	ug/L	< 10		102009	10	EPA8260
Carbon disulfide	ug/L	< 1		102009	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		102009	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		102009	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		102009	2	EPA8260
Chloroform	ug/L	< 1		102009	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		102009	1	EPA8260
2-Butanone	ug/L	< 10		102009	10	EPA8260
111 Trichloroethane	ug/L	< 1		102009	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		102009	1	EPA8260
Bromodichloromethane	ug/L	< 1		102009	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		102009	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		102009	1	EPA8260
Trichloroethene	ug/L	< 1		102009	1	EPA8260
Chlorodibromomethane	ug/L	< 1		102009	1	EPA8260
112 Trichloroethane	ug/L	< 1		102009	1	EPA8260
Benzene	ug/L	< 1		102009	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		102009	1	EPA8260
Bromoform	ug/L	< 1		102009	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		102009	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 25062 NYSDOH ID # 10320

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TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		102009	10	EPA8260
Tetrachloroethene	ug/L	< 1		102009	1	EPA8260
Toluene	ug/L	< 1		102009	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		102009	1	EPA8260
Chlorobenzene	ug/L	< 1		102009	1	EPA8260
Ethyl Benzene	ug/L	< 1		102009	1	EPA8260
Styrene	ug/L	< 1		102009	1	EPA8260
o Xylene	ug/L	< 1		102009	1	EPA8260
m + p Xylene	ug/L	< 2		102009	2	EPA8260
Xylene	ug/L	< 3		102009	3	EPA8260

cc:

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cn = 25063 NYSDOH ID # 10320

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 30		102209	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 30		102209	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 30		102209	1	EPA8270
Carbazole	ug/L	< 30		102209	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 30		102209	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 30		102209	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 30		102209	1	EPA8270
Hexachloroethane	ug/L	< 30		102209	1	EPA8270
Nitrobenzene	ug/L	< 30		102209	1	EPA8270
Isophorone	ug/L	< 30		102209	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 30		102209	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 30		102209	1	EPA8270
Naphthalene(sv)	ug/L	< 30		102209	1	EPA8270
4-Chloroaniline	ug/L	< 30		102209	1	EPA8270
Hexachlorobutadiene	ug/L	< 30		102209	1	EPA8270
2-Methylnaphthalene	ug/L	< 30		102209	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 300		102209	10	EPA8270
2-Chloronaphthalene	ug/L	< 30		102209	1	EPA8270
2-Nitroaniline	ug/L	< 30		102209	1	EPA8270
Dimethyl Phthalate	ug/L	< 30		102209	1	EPA8270
Acenaphthylene	ug/L	< 30		102209	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 30		102209	1	EPA8270
3-Nitroaniline	ug/L	< 30		102209	1	EPA8270
Acenaphthene	ug/L	< 30		102209	1	EPA8270
Dibenzofuran	ug/L	< 30		102209	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
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LAB NO.294399.00 11/03/09

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ATTN: Ross Hibler PO#:1317

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SOURCE OF SAMPLE:
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TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 30		102209	1	EPA8270
Diethyl Phthalate	ug/L	< 30		102209	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 30		102209	1	EPA8270
Fluorene	ug/L	< 30		102209	1	EPA8270
4-Nitroaniline	ug/L	< 30		102209	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 30		102209	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 30		102209	1	EPA8270
Hexachlorobenzene	ug/L	< 30		102209	1	EPA8270
Phenanthrene	ug/L	< 30		102209	1	EPA8270
Anthracene	ug/L	< 30		102209	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.9	@	102209	1	EPA8270
Fluoranthene	ug/L	< 30		102209	1	EPA8270
Pyrene	ug/L	< 30		102209	1	EPA8270
BenzylButylPhthalate	ug/L	1.1		102209	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 300		102209	10	EPA8270
Benzo(a)anthracene	ug/L	< 30		102209	1	EPA8270

cc:

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REMARKS: @Detected 0.47ug/L in method blank.

DIRECTOR

rn = 25065 NYSDOH ID # 10320 Page 4 of 10

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TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 30		102209	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	3.0	#	102209	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 30		102209	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 30		102209	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 30		102209	1	EPA8270
Benzo(a)pyrene	ug/L	< 30		102209	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 30		102209	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 30		102209	1	EPA8270
Benzo(ghi)perylene	ug/L	< 30		102209	1	EPA8270

cc:

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REMARKS: #Detected 0.92ug/L in method blank.

DIRECTOR

rn = 25066 NYSDOH ID # 10320

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MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 30		102209	1	EPA8270
2-Chlorophenol	ug/L	< 30		102209	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 30		102209	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 30		102209	1	EPA8270
2-Nitrophenol	ug/L	< 30		102209	1	EPA8270
2,4-Dimethylphenol	ug/L	< 30		102209	1	EPA8270
2,4-Dichlorophenol	ug/L	< 30		102209	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 30		102209	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 30		102209	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 30		102209	1	EPA8270
2,4-Dinitrophenol	ug/L	< 300		102209	10	EPA8270
4-Nitrophenol	ug/L	< 300		102209	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 300		102209	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 300		102209	10	EPA8270

cc:

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REMARKS:

DIRECTOR

rn = 25067 NYSDOH ID # 10320 Page 6 of 10

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SOURCE OF SAMPLE: Pelham Bay Landfill-Storm Water
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/09 RECEIVED:10/19/09
TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		102809	0.05	EPA608
Heptachlor	ug/L	< 0.05		102809	0.05	EPA608
Aldrin	ug/L	< 0.05		102809	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		102809	0.05	EPA608
p,p-DDE	ug/L	< 0.05		102809	0.05	EPA608
Dieldrin	ug/L	< 0.05		102809	0.05	EPA608
Endrin	ug/L	< 0.05		102809	0.05	EPA608
p,p-DDD	ug/L	< 0.05		102809	0.05	EPA608
p,p-DDT	ug/L	< 0.1		102809	0.1	EPA608
Chlordane	ug/L	< 0.2		102809	0.2	EPA608
Toxaphene	ug/L	< 1		102809	1	EPA608
Endrin Ketone	ug/L	< 0.1		102809	0.1	EPA608
a BHC	ug/L	< 0.05		102809	0.05	EPA608
b BHC	ug/L	< 0.05		102809	0.05	EPA608
d BHC	ug/L	< 0.05		102809	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		102809	0.1	EPA608

cc:

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REMARKS:

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rn = 25068 NYSDOH ID # 10320 Page 7 of 10

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MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		102809	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		102809	0.3	EPA608
Methoxychlor	ug/L	< 0.1		102809	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		102809	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		102309	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		102309	0.065	EPA608

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rn = 25069 NYSDOH ID # 10320 Page 8 of 10

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.34		102109	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		102109	0.005	EPA200.7
Arsenic as As	mg/L	0.006		102109	0.005	EPA200.7
Barium as Ba	mg/L	0.071		102109	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		102109	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		102109	0.005	EPA200.7
Calcium as Ca	mg/L	79		102109	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		102109	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005		102109	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		102109	0.01	EPA200.7
Iron as Fe	mg/L	1.8		102109	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		102109	0.005	EPA200.7
Magnesium as Mg	mg/L	13		102109	0.005	EPA200.7
Manganese as Mn	mg/L	0.35		102109	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.00025		102109	0.000	EPA245.2
Nickel as Ni	mg/L	< 0.01		102109	0.01	EPA200.7
Potassium as K	mg/L	13		102109	1	EPA200.7
Selenium as Se	mg/L	< 0.01		102109	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		102109	0.005	EPA200.7
Sodium as Na	mg/L	18		102109	1	EPA200.7
Thallium as Tl	mg/L	< 0.005		102109	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		102109	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		102109	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 25070 NYSDOH ID # 10320 Page 9 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.294399.00 11/03/09

ST, Environmental Services, Incorporated
100 Morris Avenue
Glen Cove, NY 11542

ATTN: Ross Hibler PO#:1317

SOURCE OF SAMPLE: Pelham Bay Landfill-Storm Water
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/09 RECEIVED:10/19/09
TIME COL'D:1200
MATRIX:Water SAMPLE: Storm Water 1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		102009	0.02	EPA335.4
Ammonia as N	mg/L	< 0.05		102009	0.05	4500NH3D
Chloride as Cl	mg/L	15		102109	2	SM204500C1B
Nitrate as N	mg/L	< 0.5		102609	0.5	EPA353.2
Sulfate as SO4	mg/L	68		102009	10	AS D51602
Tot Dissolved Solids	mg/L	430		102609	10	2540C

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 25071 NYSDOH ID # 10320 Page 10 of 10

METHODOLOGY SUMMARY FOR ALL METHODS

Semivolatile Organic Compounds by EPA 8270
Soil samples were extracted by Accelerated Solvent Extraction (EPA 3545), waters by Separatory Funnel Liquid-Liquid Extraction (EPA Method 3510C). Samples are injected in GC/MS with narrow-bore fused-silica capillary column. Mass spectra and retention time are utilized to identify compounds detected. Quanititation based on major ion relative to internal standard using five-point curve verified with continuing calibration standards.

Volatile Organic Compounds by EPA 8260
Soil samples were extracted Closed System Purge & Trap (EPA 5035), waters by (EPA Method 5030B). Samples are injected in GC/MS with narrow-bore fused-silica capillary column. Mass spectra and retention time are utilized to identify compounds detected. Quanititation based on major ion relative to internal standard using five-point curve verified with continuing calibration standards..

Pesticides & PCBs by EPA 608
Soil samples were extracted using ASE (EPA Method 3545), waters extracted by Liquid/Liquid Separatory Funnel (EPA Method 3510). Florisil Cleanup and Copper cleanup methods are used if required. Sample extracts are injected in to capillary column GC/ECD instrument. Samples are quantified vs the seven Aroclors recognized by EPA in the method. Results confirmed on second column.

Metals (total) by EPA 200.7
Soils are digested using acid digestion with heated block, method EPA 3050B; waters by acid digestion method EPA 3010A also using a heated block. Samples are then analyzed by ICP method EPA 6010B except Selenium which is analyzed by Graphite Furnace Method 7740.

Mercury by EPA 245.2
Both soil and water method utilize heated block digestion with carefully controlled temperature with acid and permanganate. Digestates are analyzed by Cold Vapor AA method using Perkin Elmer FIMS 100 dedicated mercury analyzer.

Cyanide,Cyanide Amenable by EPA 335.4
Samples are distilled manually with sulfuric acid and catalyst into sodium hydroxide solution absorber tube. This solution is then analyized by colorimetry on automated Technicon analyzer.

Sulfates by EPA ASD51602
Sulfate ion is converted to a barium sulfate suspension under controlled conditions. The resulting turbidity is determined by a spectrophotometer and compared to a curve prepared from standard sulfate solution.

TDS by SM2540C
A well mixed sample is filtered through a glass fiber filter. Filtrate is evaporated and dried to constant weight at 180C.

Ammonia by SM4500NH3D
Ammonia is determined potentiometrically using an ion selective electrolyte and a pH meter having a millivolt scanner or specific ion meter.

Nitrate by EPA 353.2
Filtered samples are passed through a column with copper-cadmium to reduce nitrate to nitrite. Nitrite is diazotized to form an azo dye which is measured colormetrically.

Chloride by SM184500CLB
Chloride is determined using the Argentometric Method. Potassium Chromate can indicate the end point of the Silver Nitrate titration of chloride.

SVOCs BY EPA METHOD 8270 - QC DELIVERABLES

EcoTest Labs

8270
"Category B" Package

294399.00

EcoTest Labs

Conformance/Nonconformance Summary
8270

QC criteria were met for the following unless stated otherwise:
* Method blank
* MDL study
* Surrogate recoveries
  In matrix spike base surrogate Terphenyl-D14 below QC limit, 51% vs 53%.
* Matrix Spike & Matrix Spike Duplicate RPD
* Reference sample
* Holding Time (USEPA SW846)
* Initial instrument calibration & continuing calibration
* GCMS Tune criteria
* Internal Standard Recovery

EcoTest Labs

Lab Chronicle

intstrument ran on	date rec'd	date col'd	Lab number	Sample	Date of Extraction	Holding Time Before Extraction (Days)	Date of Analysis	Holding Time After Extraction (Days)
svgcms#2	10/19/09	10/19/09	294399.00	Storm water I	10/20/09	1	10/22/09	2

EcoTest Labs

ANALYTICAL RESULTS SUMMARY
BNA - (8270)

Lab Number	Sample Volume	Dilution Factor	Run on Instrument	Column
294399.00	1L	1	svqcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df

EcoTest Labs

MDL / PQL

LIMITS

Instrument : SVGCMS2

water	MDL	PQL
Compound	ug/L	ug/L
Bis(2-chloroethyl)ether	0.77	<1
1,3 Dichlorobenzene	0.14	<1
1,4 Dichlorobenzene	0.17	<1
1,2 Dichlorobenzene	0.17	<1
Bis(2-chloroisopropyl)ether	0.81	<1
N-nitroso-di-n-propylamine	0.94	<1
Hexachloroethane	0.16	<1
Nitrobenzene	0.68	<1
Isophorone	0.81	<1
Bis(2-chloroethoxy)methane	0.83	<1
1,2,4 Trichlorobenzene	0.15	<1
Naphthalene	0.30	<1
4 Chloroaniline	0.72	<1
Hexachlorobutadiene	0.15	<1
2 Methylnaphthalene	0.30	<1
2 Nitroaniline	0.45	<1
Hexachlorocyclopentadiene	1.34	<10
2 Chloronaphthalene	0.36	<1
Dimethylphthalate	0.37	<1
2,6 Dinitrotoluene	0.37	<1
Acenaphthylene	0.54	<1
3 Nitroaniline	0.50	<1
Acenaphthene	0.45	<1
Dibenzofuran	0.43	<1
2,4 Dinitrotoluene	0.37	<1
Diethylphthalate	0.39	<1
4 Chlorophenylphenyl ether	0.33	<1
Fluorene	0.38	<1
4 Nitroaniline	0.84	<1
N-Nitrosodiphenylamine	0.49	<1
4 Bromophenylphenyl ether	0.34	<1
Hexachlorobenzene	0.17	<1
Phenanthrene	0.30	<1
Anthracene	0.29	<1
Carbazole	0.48	<1
Di-n-butylphthalate	0.17	<1
Fluoranthene	0.35	<1
Pyrene	0.36	<1
Butylbenzylphthalate	0.17	<1
Bis(2-ethylhexyl)phthalate	0.67	<1
Benzo(a)anthracene	0.38	<1
Chrysene	0.41	<1
3,3'-Dichlorobenzidine	2.85	<10
Di-n-octyl phthalate	0.46	<1
Benzo(b)fluoranthene	0.31	<1
Benzo(k)fluoranthene	0.40	<1
Benzo(e)pyrene	0.32	<1
Dibenzo(a,h)anthracene	0.33	<1
Indeno(1,2,3-cd)pyrene	0.30	<1
Benzo(g,h,i)perylene	0.32	<1
Phenol	0.51	<1
2 Chlorophenol	0.68	<1
2 Methylphenol	0.66	<1
4 Methylphenol	0.61	<1
2,4 Dimethylphenol	0.45	<1
2 Nitrophenol	0.53	<1
2,4 Dichlorophenol	0.58	<1
4-chloro-3-methylphenol	0.55	<1
2,4,6 Trichlorophenol	0.66	<1
2,4,5 Trichlorophenol	0.58	<1
2,4 Dinitrophenol	0.70	<10
4 Nitrophenol	1.38	<10
4,6 Dinitro-2-methylphenol	1.49	<10
Pentachlorophenol	0.99	<10

4B

SEMIVOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

METHOD BLANK

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 10210916.d Lab Sample ID: Method Blank

Instrument ID: SVGCMS2 Date Extracted: 10/20/09

Matrix: (soil/water) water Date Analyzed: 10/21/09

Level: (low/med) Time Analyzed: 8:24 PM

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	bna ms+30+50	bna ms+30+50	10210917.d	10/21/09
02	bna msd+30+50	bna msd+30+50	10210918.d	10/21/09
03	lab. control std	lab. control std	10210919.d	10/21/09
04	294399.00	294399.00	10210924.d	10/22/09
05				
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COMMENTS:

EcoTest Labs

Date Time Summary

Sample	Date	Time	SampleType	Run on Instrument	GC Column
DFTPP	10/13/09	9:51 AM	DFTPP Tune Check	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 30 ppb s09-1	10/13/09	12:14 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 10 ppb s09-1	10/13/09	12:50 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 50 ppb s09-1	10/13/09	1:30 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 60 ppb s09-1	10/13/09	2:07 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 80 ppb s09-1	10/13/09	2:44 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 30 ppb s09-1	10/13/09	3:21 PM	curve check standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
DFTPP	10/20/09	10:07 AM	DFTPP Tune Check	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s09-1	10/20/09	10:54 AM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 1 ppb s09-1	10/20/09	11:30 AM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 10 ppb s09-1	10/20/09	12:42 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 20 ppb s09-1	10/20/09	1:18 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 50 ppb s09-1	10/20/09	1:54 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 60 ppb s09-1	10/20/09	2:31 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 80 ppb s09-1	10/20/09	3:07 PM	curve standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s09-1	10/20/09	3:44 PM	curve check standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
DFTPP	10/21/09	12:12 PM	DFTPP Tune Check	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s09-1	10/21/09	12:58 PM	continuing calibration standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 30 ppb s09-1	10/21/09	2:13 PM	continuing calibration standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 1 ppb s09-1	10/21/09	2:50 PM	detection limit standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 10 ppb s09-1	10/21/09	4:05 PM	detection limit standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 10 ppb s09-1	10/21/09	4:42 PM	detection limit standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna method blank-water	10/21/09	8:24 PM	method blank	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna ms+30+50 - water cc09-2	10/21/09	9:00 PM	matrix spike	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna msd+30+50 - water cc09-2	10/21/09	9:35 PM	matrix spike duplicate	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna lcs+30+50 - water cc09-2	10/21/09	10:11 PM	laboratory control std	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
DFTPP	10/21/09	11:35 PM	DFTPP Tune Check	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bz std 30 ppb s09-1	10/21/09	11:44 PM	continuing calibration standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna std 30 ppb s09-1	10/22/09	12:19 AM	continuing calibration standard	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df
bna 294399.00*1	10/22/09	12:53 AM	sample	svgcms#2	Rxi-5ms, 30m, 0.25mmID, .25um df

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ECOTEST LABS Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

	EPA SAMPLE NO.	S1 ND5 #	S2 2FB #	S3 TD14 #	S4 2FP #	S5 PHL #	S6 TBP #	#	#	TOT OUT
01	Method Blank	70	78	87	39	27	94			
02	bna ms+30+50, cc09-1	39	44	51 #	32	20	90			
03	bna msd+30+50, cc09-1	65	74	79	29	18	91			
04	Lab. Control Std	64	75	84	31	22	85			
05	294399.00	72	71	79	35	24	63			
06										
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	QC LIMITS
S1 ND5 = NITROBENZENE-D5	(42-94)
S2 2FB = 2-FLUOROBIPHENYL	(44-94)
S3 TD14 = TERPHENYL-D14	(53-102)
S4 2FP = 2-FLUOROPHENOL	(0-82)
S5 PHL = PHENOL-D6	(0-76)
S6 TBP = 2,4,6-TRIBROMOPHENOL	(19-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3/90

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10130904.d Date Analyzed: 10/13/09

Instrument ID: SVGCMS2 Time Analyzed: 12:14 PM

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	848903	6.88	1997619	8.56	1077875	10.92
	UPPER LIMIT	1697806	7.38	3995238	9.06	2155750	11.42
	LOWER LIMIT	424452	6.38	998810	8.06	538938	10.42
	EPA SAMPLE NO.						
01	bz std 10 ppb s09-1	851055	6.88	2035664	8.55	1110145	10.93
02	bz std 50 ppb s09-1	943530	6.88	2249091	8.55	1229950	10.92
03	bz std 60 ppb s09-1	1272646	6.87	3094203	8.55	1721821	10.92
04	bz std 80 ppb s09-1	899757	6.87	2247191	8.55	1201660	10.92
05	bz std 30 ppb s09-1	761595	6.87	1843304	8.54	1033749	10.92
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IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.
IS2 = NAPHTHALENE-d8 INT. STD.
IS3 = ACENAPHTHENE-d10 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10130904.d Date Analyzed: 10/13/09

Instrument ID: SVGCMS2 Time Analyzed: 12:14 PM

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	1939896	12.92	2052441	17.98	1510744	21.73
	UPPER LIMIT	3879792	13.42	4104882	18.48	3021488	22.23
	LOWER LIMIT	969948	12.42	1026221	17.48	755372	21.23
	EPA SAMPLE NO.						
01	bz std 10 ppb s09-1	1979025	12.92	2082878	17.97	1516902	21.73
02	bz std 50 ppb s09-1	2212928	12.93	2297920	17.97	1703580	21.73
03	bz std 60 ppb s09-1	3212751	12.93	3468188	17.98	2669535	21.74
04	bz std 80 ppb s09-1	2164952	12.92	2250866	17.96	1713636	21.73
05	bz std 30 ppb s09-1	1811146	12.92	1803125	17.96	1379592	21.72
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IS4 = PHENANTHRENE-d10 INT. STD.
IS5 = CHRYSENE-d12 INT. STD.
IS6 = PERYLENE-d12 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10200903.d Date Analyzed: 10/20/09

Instrument ID: SVGCMS2 Time Analyzed: 10:54 AM

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	920119	6.86	1798124	8.54	1039906	10.91
	UPPER LIMIT	1840238	7.36	3596248	9.04	2079812	11.41
	LOWER LIMIT	460060	6.36	899062	8.04	519953	10.41
	EPA SAMPLE NO.						
01	bna std 1 ppb s09-1	1010856	6.86	2445365	8.53	1328795	10.91
02	bna std 10 ppb s09-1	895372	6.87	2018139	8.54	1094463	10.91
03	bna std 20 ppb s09-1	925793	6.86	1988173	8.53	1119558	10.91
04	bna std 50 ppb s09-1	1063537	6.87	1952230	8.54	1070525	10.91
05	bna std 60 ppb s09-1	1466614	6.87	2626022	8.54	1513703	10.91
06	bna std 80 ppb s09-1	1109080	6.87	1916649	8.54	1070005	10.91
07	bna std 30 ppb s09-1	871818	6.86	1771353	8.54	983196	10.91
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IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.
IS2 = NAPHTHALENE-d8 INT. STD.
IS3 = ACENAPHTHENE-d10 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10200903.d Date Analyzed: 10/20/09

Instrument ID: SVGCMS2 Time Analyzed: 10:54 AM

		IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	1836747		12.91		1818401		17.96		1330523		21.71	
	UPPER LIMIT	3673494		13.41		3636802		18.46		2661046		22.21	
	LOWER LIMIT	918374		12.41		909201		17.46		665262		21.21	
	EPA SAMPLE NO.												
01	bna std 1 ppb s09-1	2425683		12.90		2339992		17.94		1707664		21.70	
02	bna std 10 ppb s09-1	2069500		12.90		1989674		17.95		1477381		21.69	
03	bna std 20 ppb s09-1	2094212		12.91		2022679		17.95		1510743		21.70	
04	bna std 50 ppb s09-1	2007079		12.91		2016896		17.96		1500555		21.71	
05	bna std 60 ppb s09-1	2800246		12.91		2812722		17.97		2120622		21.71	
06	bna std 80 ppb s09-1	1950585		12.91		1962129		17.96		1455098		21.70	
07	bna std 30 ppb s09-1	1815827		12.91		1781169		17.94		1325372		21.69	
08													
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IS4 = PHENANTHRENE-d10 INT. STD.
IS5 = CHRYSENE-d12 INT. STD.
IS6 = PERYLENE-d12 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10210904.d Date Analyzed: 10/21/09

Instrument ID: SVGCMS2 Time Analyzed: 12:58 PM

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1054206	6.87	2182284	8.54	1217986	10.92
	UPPER LIMIT	2108412	7.37	4364568	9.04	2435972	11.42
	LOWER LIMIT	527103	6.37	1091142	8.04	608993	10.42
	EPA SAMPLE NO.						
01	bz std 30 ppb s09-1	860153	6.86	2023173	8.53	1118571	10.91
02	bna std 1 ppb s09-1	858191	6.86	2052360	8.53	1147955	10.91
03	bna std 10 ppb s09-1	1393297	6.87	3134336	8.54	1783954	10.92
04	bz std 10 ppb s09-1	803886	6.86	1831679	8.54	1035644	10.91
05	bna method blank	1031873	6.87	2490298	8.54	1345804	10.91
06	bna ms+30+50 cc09-2	837239	6.86	2035104	8.54	1024941	10.92
07	bna msd+30+50 cc09-2	835355	6.87	1921299	8.54	979015	10.91
08	bna lcs+30+50 cc09-2	837746	6.87	1932296	8.54	1025776	10.92
09							
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IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.
IS2 = NAPHTHALENE-d8 INT. STD.
IS3 = ACENAPHTHENE-d10 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10210904.d Date Analyzed: 10/21/09

Instrument ID: SVGCMS2 Time Analyzed: 12:58 PM

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	2268686	12.91	2314364	17.96	1744411	21.71
	UPPER LIMIT	4537372	13.41	4628728	18.46	3488822	22.21
	LOWER LIMIT	1134343	12.41	1157182	17.46	872206	21.21
	EPA SAMPLE NO.						
01	bz std 30 ppb s09-1	2020719	12.90	2051524	17.94	1525966	21.70
02	bna std 1 ppb s09-1	2079356	12.91	2136458	17.94	1602052	21.69
03	bna std 10 ppb s09-1	3325559	12.91	3455063	17.96	2720710	21.71
04	bz std 10 ppb s09-1	1895069	12.90	1842599	17.95	1394215	21.70
05	bna method blank	2488993	12.92	2608977	17.95	1900201	21.72
06	bna ms+30+50 cc09-2	1896823	12.91	1935086	17.96	1483354	21.72
07	bna msd+30+50 cc09-2	1846507	12.91	1835124	17.96	1397180	21.72
08	bna lcs+30+50 cc09-2	1854463	12.92	1875019	17.96	1426413	21.72
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IS4 = PHENANTHRENE-d10 INT. STD.
IS5 = CHRYSENE-d12 INT. STD.
IS6 = PERYLENE-d12 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10210923.d Date Analyzed: 10/22/09

Instrument ID: SVGCMS2 Time Analyzed: 12:19 AM

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	992527	6.87	2024808	8.55	1149758	10.92
	UPPER LIMIT	1985054	7.37	4049616	9.05	2299516	11.42
	LOWER LIMIT	496264	6.37	1012404	8.05	574879	10.42
	EPA SAMPLE NO.						
01	bz std 30 ppb s09-1	1168139	6.87	2736673	8.55	1509795	10.92
02	bna smp 294399.00	706537	6.88	1681960	8.54	940855	10.92
03							
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IS1 = 1,4-DICHLOROBENZENE-d4 INT. STD.
IS2 = NAPHTHALENE-d8 INT. STD.
IS3 = ACENAPHTHENE-d10 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ECOTEST LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID (Standard): 10210923.d Date Analyzed: 10/22/09

Instrument ID: SVGCMS2 Time Analyzed: 12:19 AM

		IS4 AREA	#	RT	#	IS5 AREA	#	RT	#	IS6 AREA	#	RT	#
	12 HOUR STD	2146025		12.92		2158592		17.98		1615241		21.73	
	UPPER LIMIT	4292050		13.42		4317184		18.48		3230482		22.23	
	LOWER LIMIT	1073013		12.42		1079296		17.48		807621		21.23	
	EPA SAMPLE NO.												
01	bz std 30 ppb s09-1	2760691		12.91		2900346		17.97		2222722		21.73	
02	bna smp 294399.00	1686949		12.92		1646926		17.96		1241100		21.72	
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IS4 = PHENANTHRENE-d10 INT. STD.
IS5 = CHRYSENE-d12 INT. STD.
IS6 = PERYLENE-d12 INT. STD.

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 internal standard area values with an asterisk.
* Values outside of QC limits.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 10130901.d DFTPP Injection Date: 10/13/09

Instrument ID: svgcms2 DFTPP Injection TIme: 9:51 AM

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.0 ( )1
69	Mass 69 relative abundance	53.0
70	Less than 2.0% of mass 69	0.3 ( )1
127	40.0 - 60.0% of mass 198	45.6
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	6.8
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 1% of mass 198	1.7
441	Present, but less than mass 443	84.4
442	40.0 - 100.0% of mass 198	57.8
443	17.0 - 23.0% of mass 442	18.7 ( )2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	bz std 30 ppb	bz std 30 ppb	10130904.d	10/13/09	12:14 PM
02	bz std 10 ppb	bz std 10 ppb	10130905.d	10/13/09	12:50 PM
03	bz std 50 ppb	bz std 50 ppb	10130906.d	10/13/09	1:30 PM
04	bz std 60 ppb	bz std 60 ppb	10130907.d	10/13/09	2:07 PM
05	bz std 80 ppb	bz std 80 ppb	10130908.d	10/13/09	2:44 PM
06	bz std 30 ppb	bz std 30 ppb	10130909.d	10/13/09	3:21 PM
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 10200901.d DFTPP Injection Date: 10/20/09

Instrument ID: svgcms2 DFTPP Injection Time: 10:07 AM

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.4
68	Less than 2.0% of mass 69	0.0 ( )1
69	Mass 69 relative abundance	56.8
70	Less than 2.0% of mass 69	0.2 ( )1
127	25.0 - 75.0% of mass 198	48.3
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	6.8
275	10.0 - 30.0% of mass 198	18.9
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	78.7
442	40.0 - 110.0% of mass 198	53.7
443	15.0 - 24.0% of mass 442	19.1 ( )2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	bna std 30 ppb	bna std 30 ppb	10200903.d	10/20/09	10:54 AM
02	bna std 1 ppb	bna std 1 ppb	10200904.d	10/20/09	11:30 AM
03	bna std 10 ppb	bna std 10 ppb	10200906.d	10/20/09	12:42 PM
04	bna std 20 ppb	bna std 20 ppb	10200907.d	10/20/09	1:18 PM
05	bna std 50 ppb	bna std 50 ppb	10200908.d	10/20/09	1:54 PM
06	bna std 60 ppb	bna std 60 ppb	10200909.d	10/20/09	2:31 PM
07	bna std 80 ppb	bna std 80 ppb	10200910.d	10/20/09	3:07 PM
08	bna std 30 ppb	bna std 30 ppb	10200911.d	10/20/09	3:44 PM
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 10210902.d DFTPP Injection Date: 10/21/09

Instrument ID: svgcms2 DFTPP Injection Time: 12:12 PM

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	34.5
68	Less than 2.0% of mass 69	0.0 ( )1
69	Mass 69 relative abundance	54.7
70	Less than 2.0% of mass 69	0.4 ( )1
127	25.0 - 75.0% of mass 198	44.7
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	6.6
275	10.0 - 30.0% of mass 198	19.1
365	Greater than 0.75% of mass 198	1.5
441	Present, but less than mass 443	77.4
442	40.0 - 110.0% of mass 198	54.8
443	15.0 - 24.0% of mass 442	19.8 ( )2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	bna std 30 ppb	bna std 30 ppb	10210904.d	10/21/09	12:58 PM
02	bz std 30 ppb	bz std 30 ppb	10210906.d	10/21/09	2:13 PM
03	bna std 1 ppb	bna std 1 ppb	10210907.d	10/21/09	2:50 PM
04	bna std 10 ppb	bna std 10 ppb	10210909.d	10/21/09	4:05 PM
05	bz std 10 ppb	bz std 10 ppb	10210910.d	10/21/09	4:42 PM
06	bna method blank	bna method blank	10210916.d	10/21/09	8:24 PM
07	bna ms+30+50	bna ms+30+50	10210917.d	10/21/09	9:00 PM
08	bna msd+30+50	bna msd+30+50	10210918.d	10/21/09	9:35 PM
09	bna lcs+30+50	bna lcs+30+50	10210919.d	10/21/09	10:11 PM
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22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Lab File ID: 10210921.d DFTPP Injection Date: 10/21/09

Instrument ID: svgcms2 DFTPP Injection Time: 11:35 PM

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	37.1
68	Less than 2.0% of mass 69	0.0 ( )1
69	Mass 69 relative abundance	56.9
70	Less than 2.0% of mass 69	0.3 ( )1
127	25.0 - 75.0% of mass 198	46.9
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	6.6
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	77.5
442	40.0 - 110.0% of mass 198	57.7
443	15.0 - 24.0% of mass 442	19.4 ( )2

1-Value is % mass 69 2-Value is % mass 442

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	bz std 30 ppb	bz std 30 ppb	10210922.d	10/21/09	11:44 PM
02	bna std 30 ppb	bna std 30 ppb	10210923.d	10/21/09	12:19 AM
03	294399.00	294399.00	10210924.d	10/21/09	12:53 AM
04					
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Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	ST	Analyst:	M. Henehan
Sample Lab Numbers:	294399.00	Method:	8270
Date Sample(s) Received:	10/19/09	Analyte:	bna
Date(s) of Analysis:	10/21/09	Matrix:	water

Units = ug/L.(water)
SVGCMS2

COMPOUNDS	bna mb 10210916.d	Spike Conc.	bna ms 10210917.d	% Rec	bna msd 10210918.d	% Rec	%rpd	limits rec	limits rpd
Bis(2-chloroethyl)ether	0	30	20.4	68	25.3	84	22	16-103	97
1,3 Dichlorobenzene	0	30	22.0	73	23.8	79	8	10-81	116
1,4 Dichlorobenzene	0	30	19.7	66	26.3	88	29	10-101	117
1,2 Dichlorobenzene	0	30	20.7	69	24.0	80	14	10-104	109
Bis(2-chloroisopropyl)ether	0	30	22.2	74	25.5	85	14	10-107	126
N-nitroso-di-n-propylamine	0	30	22.2	74	26.5	88	18	19-121	71
Hexachloroethane	0	30	21.5	72	24.8	83	14	10-99	117
Nitrobenzene	0	30	16.9	56	20.9	70	22	15-104	84
Isophorone	0	30	17.7	59	23.3	78	27	18-117	65
Bis(2-chloroethoxy)methane	0	30	19.0	63	23.4	78	21	19-114	74
1,2,4 Trichlorobenzene	0	30	17.8	59	22.5	75	23	10-105	87
Naphthalene	0	30	18.0	60	22.4	75	22	5.1-142	93
4 Chloroaniline	0	30	23.6	79	26.7	89	12	20-186	68
Hexachlorobutadiene	0	30	17.9	60	22.5	75	23	10-109	94
2 Methylnaphthalene	0	30	20.6	69	26.0	87	23	11-166	91
2 Nitroaniline	0	30	21.0	70	26.3	88	22	27-137	50
Hexachlorocyclopentadiene	0	30	17.7	59	22.1	74	22	10-74	98
2 Chloronaphthalene	0	30	20.6	69	26.2	87	24	13-116	68
Dimethylphthalate	0	30	22.6	75	27.1	90	18	10-139	196
2,6 Dinitrotoluene	0	30	21.5	72	27.1	90	23	33-129	56
Acenaphthylene	0	30	20.8	69	25.6	85	21	4.4-154	118
3 Nitroaniline	0	30	30.4	101	36.7	122	19	29-253	52
Acenaphthene	0	30	20.8	69	25.9	86	22	22-141	85
Dibenzofuran	0	30	23.2	77	29.4	98	23	40-163	60
2,4 Dinitrotoluene	0	30	22.7	76	27.9	93	20	40-132	48
Diethylphthalate	0	30	22.1	74	26.2	87	17	10-136	94
4 Chlorophenylphenyl ether	0	30	21.9	73	26.3	88	18	31-119	54
Fluorene	0	30	21.9	73	27.3	91	22	26-139	85
4 Nitroaniline	0	30	37.8	126	44.1	147	15	54-335	45
N-Nitrosodiphenylamine	0	30	22.3	74	26.7	89	18	29-118	47
4 Bromophenylphenyl ether	0	30	23.4	78	27.6	92	16	32-125	53
Hexachlorobenzene	0	30	22.4	75	26.1	87	15	37-122	48
Phenanthrene	0	30	21.8	73	26.3	88	19	25-146	85
Anthracene	0	30	22.5	75	26.9	90	18	25-146	85
Carbazole	0	30	24.6	82	28.4	95	14	41-150	43
Di-n-butylphthalate	0.47	30	23.7	77	28.0	92	17	28-132	36

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	ST	Analyst:	M. Henehan
Sample Lab Numbers:	294399.00	Method:	8270
Date Sample(s) Received:	10/19/09	Analyte:	bna
Date(s) of Analysis:	10/21/09	Matrix:	water

Units = ug/L.(water)
SVGCMS2

COMPOUNDS	bna mb 10210916.d	Spike Conc.	bna ms 10210917.d	% Rec	bna msd 10210918.d	% Rec	%rpd	limits rec	limits rpd
Fluoranthene	0	30	22.3	74	26.6	89	17	25-143	86
Pyrene	0	30	21.8	73	26.3	88	18	26-146	84
Butylbenzylphthalate	0	30	23.7	79	28.3	94	18	27-141	36
Bis(2-ethylhexyl)phthalate	0.92	30	23.0	74	27.6	89	19	1-157	44
Benzo(a)anthracene	0	30	23.1	77	27.9	93	19	27-146	83
Chrysene	0	30	23.0	77	27.9	93	20	27-145	84
3,3' Dichlorobenzidine	0	50	34.2	68	38.9	78	0	0-150	199
Di-n-octyl phthalate	0	30	22.5	75	27.5	92	20	36-158	43
Benzo(b)fluoranthene	0	30	20.7	69	25.5	85	21	25-136	86
Benzo(k)fluoranthene	0	30	23.4	78	24.5	82	5	0-182	86
Benzo(a)pyrene	0	30	26.1	87	31.8	106	20	26-147	87
Dibenzo(a,h)anthracene	0	30	23.0	77	28.1	94	20	17-152	89
Indeno(1,2,3-cd)pyrene	0	30	22.9	76	27.8	93	20	17-154	88
Benzo(g,h,i)perylene	0	30	22.5	75	27.9	93	21	15-156	87
Phenol	0	50	11.1	22	9.46	19	16	7.3-55	43
2 Chlorophenol	0	50	33.2	66	32.0	64	4	39-95	16
2 Methylphenol	0	50	28.5	57	26.1	52	9	34-89	21
4 Methylphenol	0	50	24.2	48	22.1	44	9	31-82	21
2,4 Dimethylphenol	0	50	40.6	81	42.0	84	3	35-118	26
2 Nitrophenol	0	50	34.3	69	36.0	72	5	0-144	274
2,4 Dichlorophenol	0	50	34.0	68	35.0	70	3	46-101	24
4-chloro-3-methylphenol	0	50	34.1	68	33.5	67	2	49-102	17
2,4,6 Trichlorophenol	0	50	43.9	88	47.5	95	8	58-101	21
2,4,5 Trichlorophenol	0	50	43.8	88	45.0	90	3	58-103	14
2,4 Dinitrophenol	0	50	46.8	94	50.7	101	8	25-140	35
4 Nitrophenol	0	50	11.2	22	10.1	20	10	1.5-59	58
4,6 Dinitro-2-methylphenol	0	50	53.2	106	56.0	112	5	52-132	24
Pentachlorophenol	0	50	50.1	100	51.4	103	3	51-123	28

Summary of Laboratory Control Standard

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	ST	Analyst:	M. Henehan
Sample Lab Numbers:	294399.00	Method:	8270
Date Sample(s) Received:	10/19/09	Analyte:	bna
Date(s) of Analysis:	10/21/09	Matrix:	water

Units = ug/L.(water)

SVGCMS2	10210916.d			10210919.d
COMPOUNDS	Lab Blank	True Value	Accept Range	%R
Bis(2-chloroethyl)ether	0	30	18-121	76
1,3 Dichlorobenzene	0	30	0-125	71
1,4 Dichlorobenzene	0	30	1.5-123	74
1,2 Dichlorobenzene	0	30	1.5-123	71
Bis(2-chloroisopropyl)ether	0	30	17-137	80
N-nitroso-di-n-propylamine	0	30	29-135	87
Hexachloroethane	0	30	0-125	76
Nitrobenzene	0	30	17-122	68
Isophorone	0	30	21-129	73
Bis(2-chloroethoxy)methane	0	30	21-133	75
1,2,4 Trichlorobenzene	0	30	8.1-115	71
Naphthalene	0	30	44-117	68
4 Chloroaniline	0	30	5.2-176	87
Hexachlorobutadiene	0	30	0-110	68
2 Methylnaphthalene	0	30	59-142	83
2 Nitroaniline	0	30	21-164	88
Hexachlorocyclopentadiene	0	30	0-117	69
2 Chloronaphthalene	0	30	18-134	81
Dimethylphthalate	0	30	0-156	93
2,6 Dinitrotoluene	0	30	31-144	87
Acenaphthylene	0	30	60-120	83
3 Nitroaniline	0	30	6-249	116
Acenaphthene	0	30	59-120	81
Dibenzofuran	0	30	23-159	93
2,4 Dinitrotoluene	0	30	37-138	92
Diethylphthalate	0	30	19-138	89
4 Chlorophenylphenyl ether	0	30	31-133	87
Fluorene	0	30	65-118	86
4 Nitroaniline	0	30	0-361	133
N-Nitrosodiphenylamine	0	30	34-128	90
4 Bromophenylphenyl ether	0	30	30-138	97
Hexachlorobenzene	0	30	31-134	88
Phenanthrene	0	30	70-123	90
Anthracene	0	30	70-122	90
Carbazole	0	30	11-202	95
Di-n-butylphthalate	0.47	30	42-136	94

Summary of Laboratory Control Standard

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	ST	Analyst:	M. Henehan
Sample Lab Numbers:	294399.00	Method:	8270
Date Sample(s) Received:	10/19/09	Analyte:	bna
Date(s) of Analysis:	10/21/09	Matrix:	water

Units = ug/L.(water)

SVGCMS2	10210916.d			10210919.d
COMPOUNDS	Lab Blank	True Value	Accept Range	%R
Fluoranthene	0	30	69-121	91
Pyrene	0	30	76-122	89
Butylbenzylphthalate	0	30	34-146	95
Bis(2-ethylhexyl)phthalate	0.92	30	37-152	90
Benzo(a)anthracene	0	30	80-119	93
Chrysene	0	30	63-122	94
3,3' Dichlorobenzidine	0	50	27-145	79
Di-n-octyl phthalate	0	30	43-145	94
Benzo(b)fluoranthene	0	30	61-126	95
Benzo(k)fluoranthene	0	30	5.2-188	86
Benzo(a)pyrene	0	30	66-129	108
Dibenzo(a,h)anthracene	0	30	61-135	94
Indeno(1,2,3-cd)pyrene	0	30	62-135	94
Benzo(g,h,i)perylene	0	30	59-137	92
Phenol	0	50	0-87	24
2 Chlorophenol	0	50	11-117	61
2 Methylphenol	0	50	0-118	58
4 Methylphenol	0	50	0-107	53
2,4 Dimethylphenol	0	50	0-145	82
2 Nitrophenol	0	50	0-106	63
2,4 Dichlorophenol	0	50	25-111	67
4-chloro-3-methylphenol	0	50	27-110	73
2,4,6 Trichlorophenol	0	50	32-122	82
2,4,5 Trichlorophenol	0	50	29-132	88
2,4 Dinitrophenol	0	50	0-171	102
4 Nitrophenol	0	50	0-107	32
4,6 Dinitro-2-methylphenol	0	50	38-142	110
Pentachlorophenol	0	50	30-145	104

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Method Blank

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: Method blank

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210915.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
111-44-4	Bis(2-chloroethyl)ether	1.00	ug/L	U
541-73-1	1,3 Dichlorobenzene(sv)	1.00	ug/L	U
106-46-7	1,4 Dichlorobenzene(sv)	1.00	ug/L	U
95-50-1	1,2 Dichlorobenzene(sv)	1.00	ug/L	U
108-60-1	Bis(2-chloroisopropyl)ether	1.00	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	1.00	ug/L	U
67-72-1	Hexachloroethane	1.00	ug/L	U
98-95-3	Nitrobenzene	1.00	ug/L	U
78-59-1	Isophorone	1.00	ug/L	U
111-91-1	Bis(2-chloroethoxy)methane	1.00	ug/L	U
120-82-1	124-Trichlorobenzene (sv)	1.00	ug/L	U
91-20-3	Naphthalene(sv)	1.00	ug/L	U
106-47-8	4-Chloroaniline	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	ug/L	U
91-57-6	2-Methylnaphthalene	1.00	ug/L	U
88-74-4	2-Nitroaniline	1.00	ug/L	U
77-47-4	Hexachlorocyclopentadiene	10.0	ug/L	U
91-58-7	2-Chloronaphthalene	1.00	ug/L	U
131-11-3	Dimethyl Phthalate	1.00	ug/L	U
606-20-2	2,6-Dinitrotoluene	1.00	ug/L	U
208-96-8	Acenaphthylene	1.00	ug/L	U
99-09-2	3-Nitroaniline	1.00	ug/L	U
83-32-9	Acenaphthene	1.00	ug/L	U
132-64-9	Dibenzofuran	1.00	ug/L	U
121-14-2	2,4-Dinitrotoluene	1.00	ug/L	U
84-66-2	Diethyl Phthalate	1.00	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	1.00	ug/L	U
86-73-7	Fluorene	1.00	ug/L	U
100-01-6	4-Nitroaniline	1.00	ug/L	U
86-30-6	N-Nitrosodiphenylamine	1.00	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	1.00	ug/L	U
118-74-1	Hexachlorobenzene	1.00	ug/L	U
85-01-8	Phenanthrene	1.00	ug/L	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Method Blank

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: Method blank

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210915.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
120-12-7	Anthracene	1.00	ug/L	U
86-74-8	Carbazole	1.00	ug/L	U
84-74-2	Di-n-Butyl Phthalate	0.47	ug/L	
206-44-0	Fluoranthene	1.00	ug/L	U
129-00-0	Pyrene	1.00	ug/L	U
85-68-7	BenzylButylPhthalate	1.00	ug/L	U
117-81-7	Bis(2-ethylhexyl)phthalate	0.92	ug/L	
56-55-3	Benzo(a)anthracene	1.00	ug/L	U
218-01-9	Chrysene	1.00	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	10.0	ug/L	U
117-84-0	Di-n-octyl Phthalate	1.00	ug/L	U
205-99-2	Benzo(b)fluoranthene	1.00	ug/L	U
207-08-9	Benzo(k)fluoranthene	1.00	ug/L	U
50-32-8	Benzo(a)pyrene	1.00	ug/L	U
53-70-3	Dibenzo(a,h)anthracene	1.00	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	ug/L	U
191-24-2	Benzo(ghi)perylene	1.00	ug/L	U
108-95-2	Phenol	1.00	ug/L	U
95-57-8	2-Chlorophenol	1.00	ug/L	U
95-48-7	2-Methylphenol (o-cresol)	1.00	ug/L	U
106-44-5	4-Methylphenol (p-cresol)	1.00	ug/L	U
105-67-9	2,4-Dimethylphenol	1.00	ug/L	U
88-75-5	2-Nitrophenol	1.00	ug/L	U
120-83-2	2,4-Dichlorophenol	1.00	ug/L	U
59-50-7	4-Chloro-3-methylphenol	1.00	ug/L	U
88-06-2	2,4,6-Trichlorophenol	1.00	ug/L	U
95-95-4	2,4,5-Trichlorophenol	1.00	ug/L	U
51-28-5	2,4-Dinitrophenol	10.0	ug/L	U
100-02-7	4-Nitrophenol	10.0	ug/L	U
534-52-1	2-Methyl-4,6-dinitrophenol	10.0	ug/L	U
87-86-5	Pentachlorophenol (ms)	10.0	ug/L	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Control Std

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: Lab Control Std

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210919.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
111-44-4	Bis(2-chloroethyl)ether	22.7	ug/L	
541-73-1	1,3 Dichlorobenzene(sv)	21.2	ug/L	
106-46-7	1,4 Dichlorobenzene(sv)	22.3	ug/L	
95-50-1	1,2 Dichlorobenzene(sv)	21.3	ug/L	
108-60-1	Bis(2-chloroisopropyl)ether	24.1	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	26.1	ug/L	
67-72-1	Hexachloroethane	22.7	ug/L	
98-95-3	Nitrobenzene	20.4	ug/L	
78-59-1	Isophorone	21.9	ug/L	
111-91-1	Bis(2-chloroethoxy)methane	22.6	ug/L	
120-82-1	124-Trichlorobenzene (sv)	21.2	ug/L	
91-20-3	Naphthalene(sv)	20.5	ug/L	
106-47-8	4-Chloroaniline	26.0	ug/L	
87-68-3	Hexachlorobutadiene	20.4	ug/L	
91-57-6	2-Methylnaphthalene	24.8	ug/L	
88-74-4	2-Nitroaniline	26.5	ug/L	
77-47-4	Hexachlorocyclopentadiene	20.6	ug/L	
91-58-7	2-Chloronaphthalene	24.4	ug/L	
131-11-3	Dimethyl Phthalate	27.8	ug/L	
606-20-2	2,6-Dinitrotoluene	26.1	ug/L	
208-96-8	Acenaphthylene	24.8	ug/L	
99-09-2	3-Nitroaniline	34.8	ug/L	
83-32-9	Acenaphthene	24.3	ug/L	
132-64-9	Dibenzofuran	27.9	ug/L	
121-14-2	2,4-Dinitrotoluene	27.5	ug/L	
84-66-2	Diethyl Phthalate	26.8	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	26.1	ug/L	
86-73-7	Fluorene	25.9	ug/L	
100-01-6	4-Nitroaniline	40.0	ug/L	
86-30-6	N-Nitrosodiphenylamine	26.9	ug/L	
101-55-3	4-Bromophenyl phenyl ether	29.0	ug/L	
118-74-1	Hexachlorobenzene	26.3	ug/L	
85-01-8	Phenanthrene	27.0	ug/L	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Control Std

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: Lab Control Std

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210919.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L		Q
120-12-7	Anthracene	27.0	ug/L	
86-74-8	Carbazole	28.6	ug/L	
84-74-2	Di-n-Butyl Phthalate	28.7	ug/L	
206-44-0	Fluoranthene	27.3	ug/L	
129-00-0	Pyrene	26.7	ug/L	
85-68-7	BenzylButylPhthalate	28.5	ug/L	
117-81-7	Bis(2-ethylhexyl)phthalate	27.8	ug/L	
56-55-3	Benzo(a)anthracene	28.0	ug/L	
218-01-9	Chrysene	28.1	ug/L	
91-94-1	3,3'-Dichlorobenzidine	39.4	ug/L	
117-84-0	Di-n-octyl Phthalate	28.2	ug/L	
205-99-2	Benzo(b)fluoranthene	28.5	ug/L	
207-08-9	Benzo(k)fluoranthene	25.8	ug/L	
50-32-8	Benzo(a)pyrene	32.3	ug/L	
53-70-3	Dibenzo(a,h)anthracene	28.2	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	28.2	ug/L	
191-24-2	Benzo(ghi)perylene	27.7	ug/L	
108-95-2	Phenol	11.9	ug/L	
95-57-8	2-Chlorophenol	30.4	ug/L	
95-48-7	2-Methylphenol (o-cresol)	29.0	ug/L	
106-44-5	4-Methylphenol (p-cresol)	26.6	ug/L	
105-67-9	2,4-Dimethylphenol	40.9	ug/L	
88-75-5	2-Nitrophenol	31.3	ug/L	
120-83-2	2,4-Dichlorophenol	33.4	ug/L	
59-50-7	4-Chloro-3-methylphenol	36.3	ug/L	
88-06-2	2,4,6-Trichlorophenol	41.0	ug/L	
95-95-4	2,4,5-Trichlorophenol	44.2	ug/L	
51-28-5	2,4-Dinitrophenol	51.0	ug/L	
100-02-7	4-Nitrophenol	16.0	ug/L	
534-52-1	2-Methyl-4,6-dinitrophenol	54.9	ug/L	
87-86-5	Pentachlorophenol (ms)	51.9	ug/L	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: 294399.00

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210924.d

Level: (low/med) Date Received: 10/19/09

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
111-44-4	Bis(2-chloroethyl)ether	1.00	ug/L	U
541-73-1	1,3 Dichlorobenzene(sv)	1.00	ug/L	U
106-46-7	1,4 Dichlorobenzene(sv)	1.00	ug/L	U
95-50-1	1,2 Dichlorobenzene(sv)	1.00	ug/L	U
108-60-1	Bis(2-chloroisopropyl)ether	1.00	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	1.00	ug/L	U
67-72-1	Hexachloroethane	1.00	ug/L	U
98-95-3	Nitrobenzene	1.00	ug/L	U
78-59-1	Isophorone	1.00	ug/L	U
111-91-1	Bis(2-chloroethoxy)methane	1.00	ug/L	U
120-82-1	124-Trichlorobenzene (sv)	1.00	ug/L	U
91-20-3	Naphthalene(sv)	1.00	ug/L	U
106-47-8	4-Chloroaniline	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	ug/L	U
91-57-6	2-Methylnaphthalene	1.00	ug/L	U
88-74-4	2-Nitroaniline	1.00	ug/L	U
77-47-4	Hexachlorocyclopentadiene	10.0	ug/L	U
91-58-7	2-Chloronaphthalene	1.00	ug/L	U
131-11-3	Dimethyl Phthalate	1.00	ug/L	U
606-20-2	2,6-Dinitrotoluene	1.00	ug/L	U
208-96-8	Acenaphthylene	1.00	ug/L	U
99-09-2	3-Nitroaniline	1.00	ug/L	U
83-32-9	Acenaphthene	1.00	ug/L	U
132-64-9	Dibenzofuran	1.00	ug/L	U
121-14-2	2,4-Dinitrotoluene	1.00	ug/L	U
84-66-2	Diethyl Phthalate	1.00	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	1.00	ug/L	U
86-73-7	Fluorene	1.00	ug/L	U
100-01-6	4-Nitroaniline	1.00	ug/L	U
86-30-6	N-Nitrosodiphenylamine	1.00	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	1.00	ug/L	U
118-74-1	Hexachlorobenzene	1.00	ug/L	U
85-01-8	Phenanthrene	1.00	ug/L	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: 294399.00

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210924.d

Level: (low/med) Date Received: 10/19/09

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/22/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
120-12-7	Anthracene	1.00	ug/L	U
86-74-8	Carbazole	1.00	ug/L	U
84-74-2	Di-n-Butyl Phthalate	1.93	ug/L	
206-44-0	Fluoranthene	1.00	ug/L	U
129-00-0	Pyrene	1.00	ug/L	U
85-68-7	BenzylButylPhthalate	1.10	ug/L	
117-81-7	Bis(2-ethylhexyl)phthalate	3.03	ug/L	
56-55-3	Benzo(a)anthracene	1.00	ug/L	U
218-01-9	Chrysene	1.00	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	10.0	ug/L	U
117-84-0	Di-n-octyl Phthalate	1.00	ug/L	U
205-99-2	Benzo(b)fluoranthene	1.00	ug/L	U
207-08-9	Benzo(k)fluoranthene	1.00	ug/L	U
50-32-8	Benzo(a)pyrene	1.00	ug/L	U
53-70-3	Dibenzo(a,h)anthracene	1.00	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	ug/L	U
191-24-2	Benzo(ghi)perylene	1.00	ug/L	U
108-95-2	Phenol	1.00	ug/L	U
95-57-8	2-Chlorophenol	1.00	ug/L	U
95-48-7	2-Methylphenol (o-cresol)	1.00	ug/L	U
106-44-5	4-Methylphenol (p-cresol)	1.00	ug/L	U
105-67-9	2,4-Dimethylphenol	1.00	ug/L	U
88-75-5	2-Nitrophenol	1.00	ug/L	U
120-83-2	2,4-Dichlorophenol	1.00	ug/L	U
59-50-7	4-Chloro-3-methylphenol	1.00	ug/L	U
88-06-2	2,4,6-Trichlorophenol	1.00	ug/L	U
95-95-4	2,4,5-Trichlorophenol	1.00	ug/L	U
51-28-5	2,4-Dinitrophenol	10.0	ug/L	U
100-02-7	4-Nitrophenol	10.0	ug/L	U
534-52-1	2-Methyl-4,6-dinitrophenol	10.0	ug/L	U
87-86-5	Pentachlorophenol (ms)	10.0	ug/L	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

bna ms+30+50

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: bna ms+30+50

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210917.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
111-44-4	Bis(2-chloroethyl)ether	20.4	ug/L	
541-73-1	1,3 Dichlorobenzene(sv)	22.0	ug/L	
106-46-7	1,4 Dichlorobenzene(sv)	19.7	ug/L	
95-50-1	1,2 Dichlorobenzene(sv)	20.7	ug/L	
108-60-1	Bis(2-chloroisopropyl)ether	22.2	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	22.2	ug/L	
67-72-1	Hexachloroethane	21.5	ug/L	
98-95-3	Nitrobenzene	16.9	ug/L	
78-59-1	Isophorone	17.7	ug/L	
111-91-1	Bis(2-chloroethoxy)methane	19.0	ug/L	
120-82-1	124-Trichlorobenzene (sv)	17.8	ug/L	
91-20-3	Naphthalene(sv)	18.0	ug/L	
106-47-8	4-Chloroaniline	23.6	ug/L	
87-68-3	Hexachlorobutadiene	17.9	ug/L	
91-57-6	2-Methylnaphthalene	20.6	ug/L	
88-74-4	2-Nitroaniline	21.0	ug/L	
77-47-4	Hexachlorocyclopentadiene	17.7	ug/L	
91-58-7	2-Chloronaphthalene	20.6	ug/L	
131-11-3	Dimethyl Phthalate	22.6	ug/L	
606-20-2	2,6-Dinitrotoluene	21.5	ug/L	
208-96-8	Acenaphthylene	20.8	ug/L	
99-09-2	3-Nitroaniline	30.4	ug/L	
83-32-9	Acenaphthene	20.8	ug/L	
132-64-9	Dibenzofuran	23.2	ug/L	
121-14-2	2,4-Dinitrotoluene	22.7	ug/L	
84-66-2	Diethyl Phthalate	22.1	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	21.9	ug/L	
86-73-7	Fluorene	21.9	ug/L	
100-01-6	4-Nitroaniline	37.8	ug/L	
86-30-6	N-Nitrosodiphenylamine	22.3	ug/L	
101-55-3	4-Bromophenyl phenyl ether	23.4	ug/L	
118-74-1	Hexachlorobenzene	22.4	ug/L	
85-01-8	Phenanthrene	21.8	ug/L	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

bna ms+30+50

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: bna ms+30+50

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210917.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
120-12-7	Anthracene	22.5	ug/L	
86-74-8	Carbazole	24.6	ug/L	
84-74-2	Di-n-Butyl Phthalate	23.7	ug/L	
206-44-0	Fluoranthene	22.3	ug/L	
129-00-0	Pyrene	21.8	ug/L	
85-68-7	BenzylButylPhthalate	23.7	ug/L	
117-81-7	Bis(2-ethylhexyl)phthalate	23.0	ug/L	
56-55-3	Benzo(a)anthracene	23.1	ug/L	
218-01-9	Chrysene	23.0	ug/L	
91-94-1	3,3'-Dichlorobenzidine	34.2	ug/L	
117-84-0	Di-n-octyl Phthalate	22.5	ug/L	
205-99-2	Benzo(b)fluoranthene	20.7	ug/L	
207-08-9	Benzo(k)fluoranthene	23.4	ug/L	
50-32-8	Benzo(a)pyrene	26.1	ug/L	
53-70-3	Dibenzo(a,h)anthracene	23.0	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	22.9	ug/L	
191-24-2	Benzo(ghi)perylene	22.5	ug/L	
108-95-2	Phenol	11.1	ug/L	
95-57-8	2-Chlorophenol	33.2	ug/L	
95-48-7	2-Methylphenol (o-cresol)	28.5	ug/L	
106-44-5	4-Methylphenol (p-cresol)	24.2	ug/L	
105-67-9	2,4-Dimethylphenol	40.6	ug/L	
88-75-5	2-Nitrophenol	34.3	ug/L	
120-83-2	2,4-Dichlorophenol	34.0	ug/L	
59-50-7	4-Chloro-3-methylphenol	34.1	ug/L	
88-06-2	2,4,6-Trichlorophenol	43.9	ug/L	
95-95-4	2,4,5-Trichlorophenol	43.8	ug/L	
51-28-5	2,4-Dinitrophenol	20.8	ug/L	
100-02-7	4-Nitrophenol	11.2	ug/L	
534-52-1	2-Methyl-4,6-dinitrophenol	53.2	ug/L	
87-86-5	Pentachlorophenol (ms)	50.1	ug/L	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

bna msd+30+50

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: bna msd+30+50

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210918.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
111-44-4	Bis(2-chloroethyl)ether	25.3	ug/L	
541-73-1	1,3 Dichlorobenzene(sv)	23.8	ug/L	
106-46-7	1,4 Dichlorobenzene(sv)	26.3	ug/L	
95-50-1	1,2 Dichlorobenzene(sv)	24.0	ug/L	
108-60-1	Bis(2-chloroisopropyl)ether	25.5	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	26.5	ug/L	
67-72-1	Hexachloroethane	24.8	ug/L	
98-95-3	Nitrobenzene	20.9	ug/L	
78-59-1	Isophorone	23.3	ug/L	
111-91-1	Bis(2-chloroethoxy)methane	23.4	ug/L	
120-82-1	124-Trichlorobenzene (sv)	22.5	ug/L	
91-20-3	Naphthalene(sv)	22.4	ug/L	
106-47-8	4-Chloroaniline	26.7	ug/L	
87-68-3	Hexachlorobutadiene	22.5	ug/L	
91-57-6	2-Methylnaphthalene	26.0	ug/L	
88-74-4	2-Nitroaniline	26.3	ug/L	
77-47-4	Hexachlorocyclopentadiene	22.1	ug/L	
91-58-7	2-Chloronaphthalene	26.2	ug/L	
131-11-3	Dimethyl Phthalate	27.1	ug/L	
606-20-2	2,6-Dinitrotoluene	27.1	ug/L	
208-96-8	Acenaphthylene	25.6	ug/L	
99-09-2	3-Nitroaniline	36.7	ug/L	
83-32-9	Acenaphthene	25.9	ug/L	
132-64-9	Dibenzofuran	29.4	ug/L	
121-14-2	2,4-Dinitrotoluene	27.9	ug/L	
84-66-2	Diethyl Phthalate	26.2	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	26.3	ug/L	
86-73-7	Fluorene	27.3	ug/L	
100-01-6	4-Nitroaniline	44.1	ug/L	
86-30-6	N-Nitrosodiphenylamine	26.7	ug/L	
101-55-3	4-Bromophenyl phenyl ether	27.6	ug/L	
118-74-1	Hexachlorobenzene	26.1	ug/L	
85-01-8	Phenanthrene	26.3	ug/L	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

bna msd+30+50

Lab Name: ECOTEST LABORATORY Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: bna msd+30+50

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210918.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N): Y Date Extracted: 10/20/09

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg)	ug/L	Q
120-12-7	Anthracene	26.9	ug/L	
86-74-8	Carbazole	28.4	ug/L	
84-74-2	Di-n-Butyl Phthalate	28.0	ug/L	
206-44-0	Fluoranthene	26.6	ug/L	
129-00-0	Pyrene	26.3	ug/L	
85-68-7	BenzylButylPhthalate	28.3	ug/L	
117-81-7	Bis(2-ethylhexyl)phthalate	27.6	ug/L	
56-55-3	Benzo(a)anthracene	27.9	ug/L	
218-01-9	Chrysene	27.9	ug/L	
91-94-1	3,3'-Dichlorobenzidine	38.9	ug/L	
117-84-0	Di-n-octyl Phthalate	27.5	ug/L	
205-99-2	Benzo(b)fluoranthene	25.5	ug/L	
207-08-9	Benzo(k)fluoranthene	24.5	ug/L	
50-32-8	Benzo(a)pyrene	31.8	ug/L	
53-70-3	Dibenzo(a,h)anthracene	28.1	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	27.8	ug/L	
191-24-2	Benzo(ghi)perylene	27.9	ug/L	
108-95-2	Phenol	9.5	ug/L	
95-57-8	2-Chlorophenol	32.0	ug/L	
95-48-7	2-Methylphenol (o-cresol)	26.1	ug/L	
106-44-5	4-Methylphenol (p-cresol)	22.1	ug/L	
105-67-9	2,4-Dimethylphenol	42.0	ug/L	
88-75-5	2-Nitrophenol	36.0	ug/L	
120-83-2	2,4-Dichlorophenol	35.0	ug/L	
59-50-7	4-Chloro-3-methylphenol	33.5	ug/L	
88-06-2	2,4,6-Trichlorophenol	47.5	ug/L	
95-95-4	2,4,5-Trichlorophenol	45.0	ug/L	
51-28-5	2,4-Dinitrophenol	50.7	ug/L	
100-02-7	4-Nitrophenol	10.1	ug/L	
534-52-1	2-Methyl-4,6-dinitrophenol	56.0	ug/L	
87-86-5	Pentachlorophenol (ms)	51.4	ug/L	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
294399.00

Lab Name: EcoTest Labs Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: 294399.00

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210924.d

Level: (low/med) Date Received: 10/19/09

% Moisture: 100 decanted: (Y/N) Y Date Extracted: 10/20/09

Concentrated Extract Volume: (uL) Date Analyzed: 10/22/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

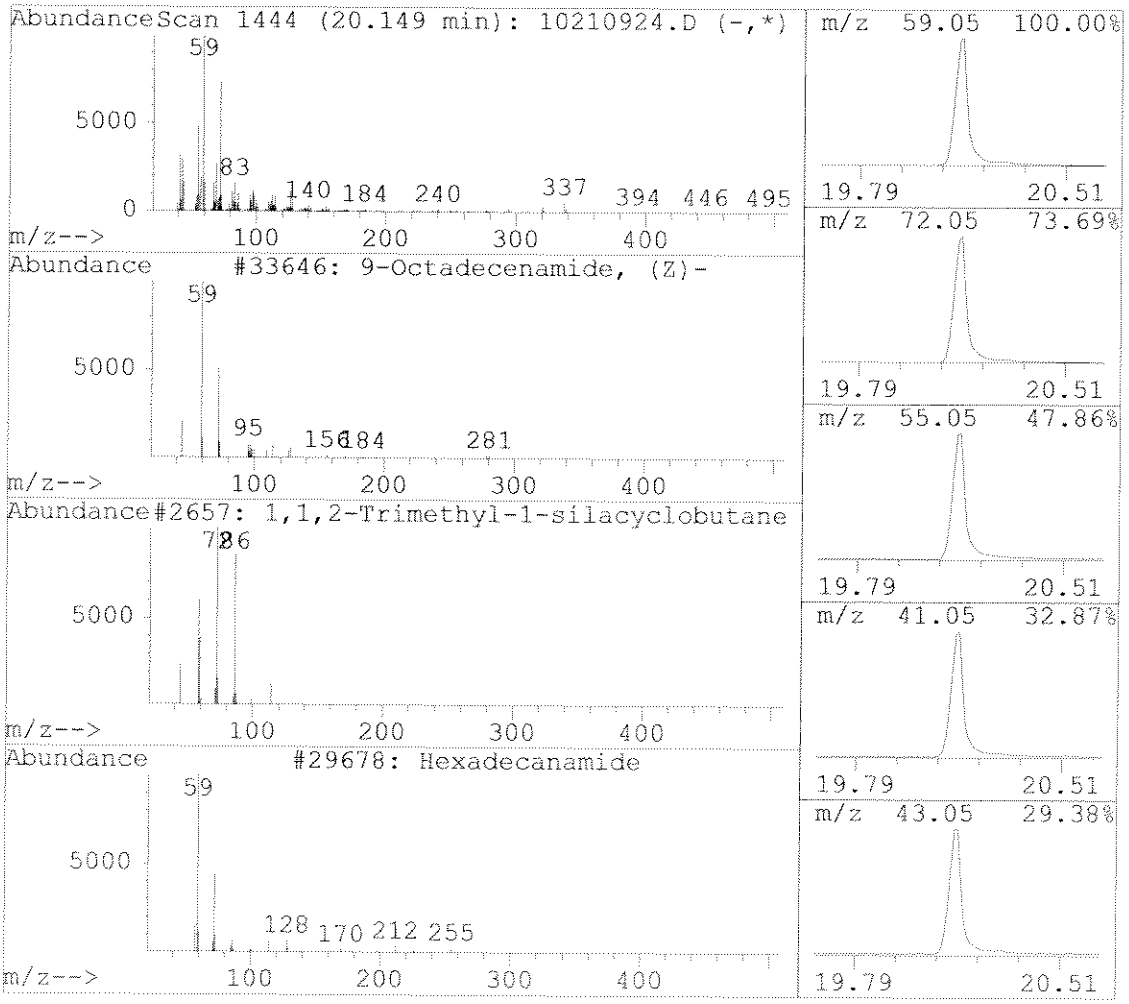
CAS Number	Compound Name	RT	Est. Conc.	Q
1. 301-02-0	9-Octadecenamide, (Z)-	20.15	126.45	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.	J indicates estimated values.			
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210924.D Vial: 20
Acq On : 22 Oct 109 12:53 am Operator:
Sample : bna smp 399.00*1 tcl 1L Inst : SVGCMS2
Misc : 10/20/09, cat "B" pkg Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Library : C:\DATABASE\NBS54K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
20.15	126.45 PPB	10657440	PERYLENE-d12 INT. STD.	21.72

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Octadecenamide, (Z)-	33646	000301-02-0	52
2	1,1,2-Trimethyl-1-silacyclobutane	2657	030681-90-4	38
3	Hexadecanamide	29678	000629-54-9	35
4	2-Propanol, 1-(isooctyloxy)-2-methy	19837	056282-27-0	27
5	2-Propanone, 1-cyclohexyl-	6474	000103-78-6	27



1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
Method Blank

Lab Name: EcoTest Labs Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: Method Blank

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: 10210916.d

Level: (low/med) Date Received:

% Moisture: 100 decanted: (Y/N) Y Date Extracted: 10/20/09

Concentrated Extract Volume: (uL) Date Analyzed: 10/21/09

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) pH:

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 301-02-0	9-Octadecenamide, (Z)-	20.12	28.45	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.	J indicates estimated values.			
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

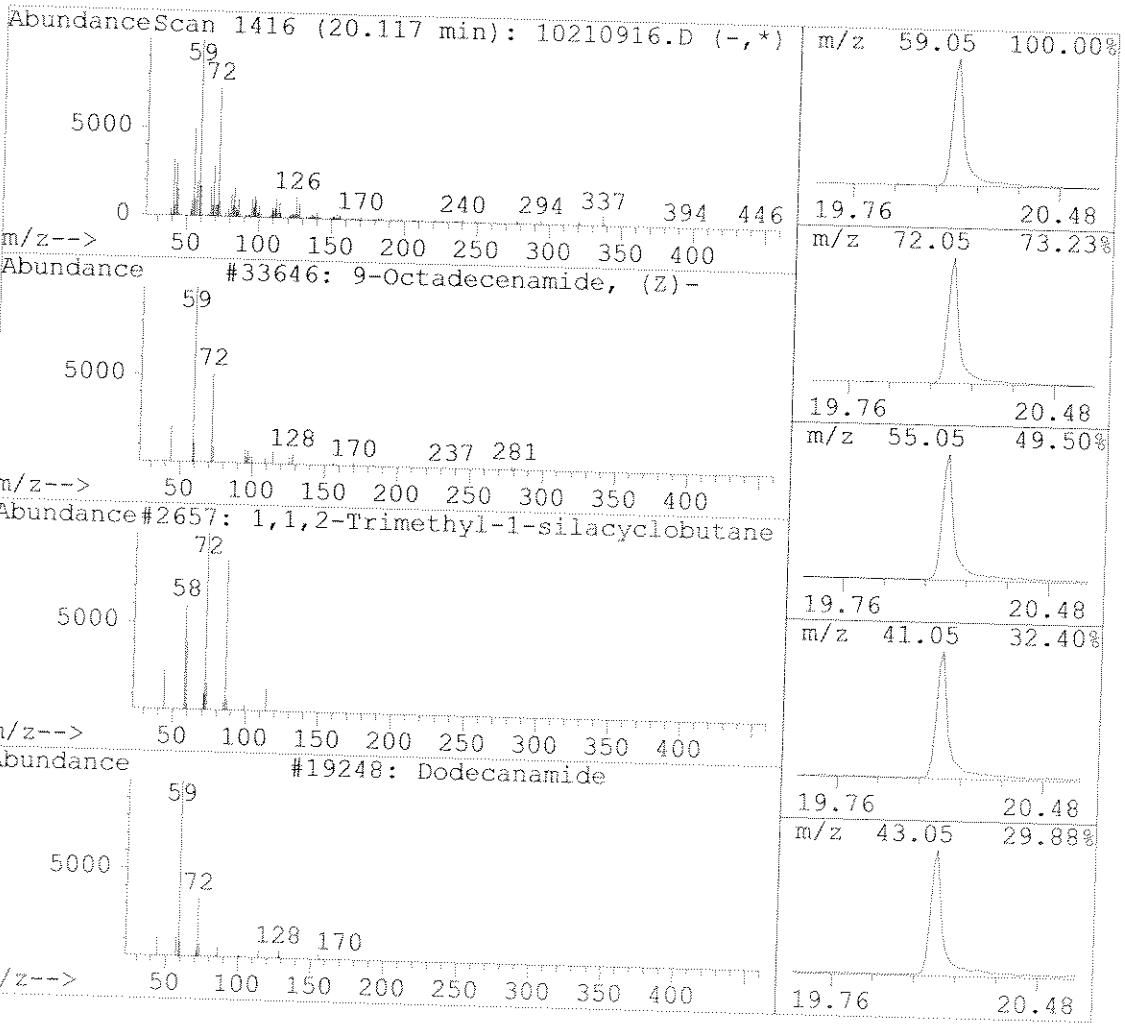
FORM I SV-TIC 3/90

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210916.D Vial: 15
Acq On : 21 Oct 109 8:24 pm Operator:
Sample : bna method blank - water Inst : SVGCMS2
Misc : 10/20/09 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Library : C:\DATABASE\NBS54K.L

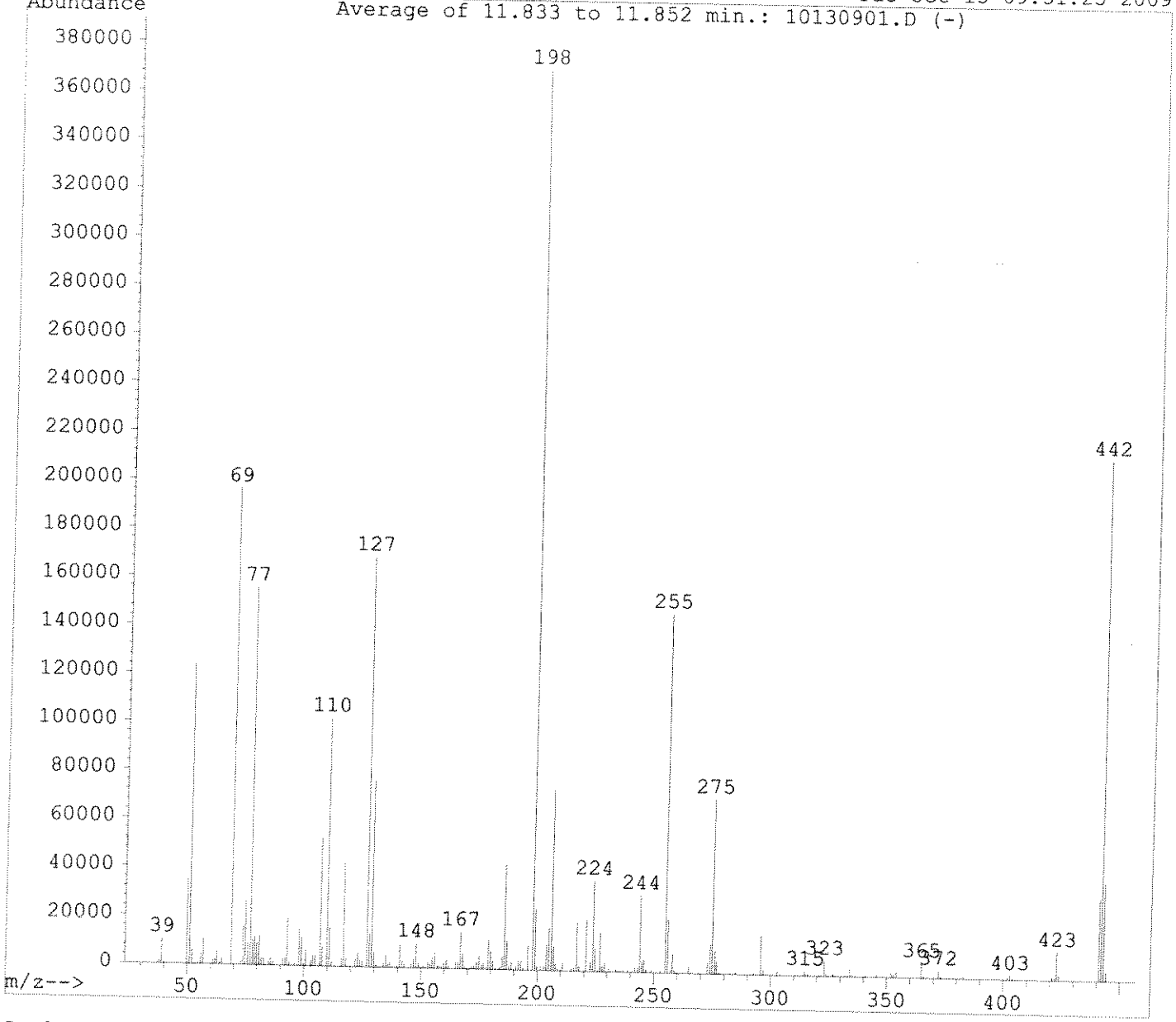
R.T.	Conc	Area	Relative to ISTD	R.T.
20.12	28.45 PPB	3685862	PERYLENE-d12 INT. STD.	21.72

Hit# of 20	Tentative ID	Ref#	CAS#	Qual
1	9-Octadecenamide, (Z)-	33646	000301-02-0	52
2	1,1,2-Trimethyl-1-silacyclobutane	2657	030681-90-4	38
3	Dodecanamide	19248	001120-16-7	38
4	Heptanamide, 4-ethyl-5-methyl-	13253	054789-40-1	32
5	1,2-Benzenedicarboxylic acid, 2-met	29071	053161-30-1	27



DFTPP 625 Results

C:\HPCHEM\1\DATA\OCT09\101309\10130901.D Tue Oct 13 09:51:25 2009



Peak Apex is scan: 291
Average of 3 scans: 290,291,292 minus background scan 286

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	33.4	PASS
68	69	0	2	0.0	PASS
69	198	0	100	53.0	PASS
70	69	0	2	0.3	PASS
127	198	40	60	45.6	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	19.4	PASS
365	198	1	100	1.7	PASS
441	443	0	100	84.4	PASS
442	198	40	100	57.8	PASS
443	442	17	23	18.7	PASS

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130904.d Vial: 5
Acq On : 13 Oct 109 12:14 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration

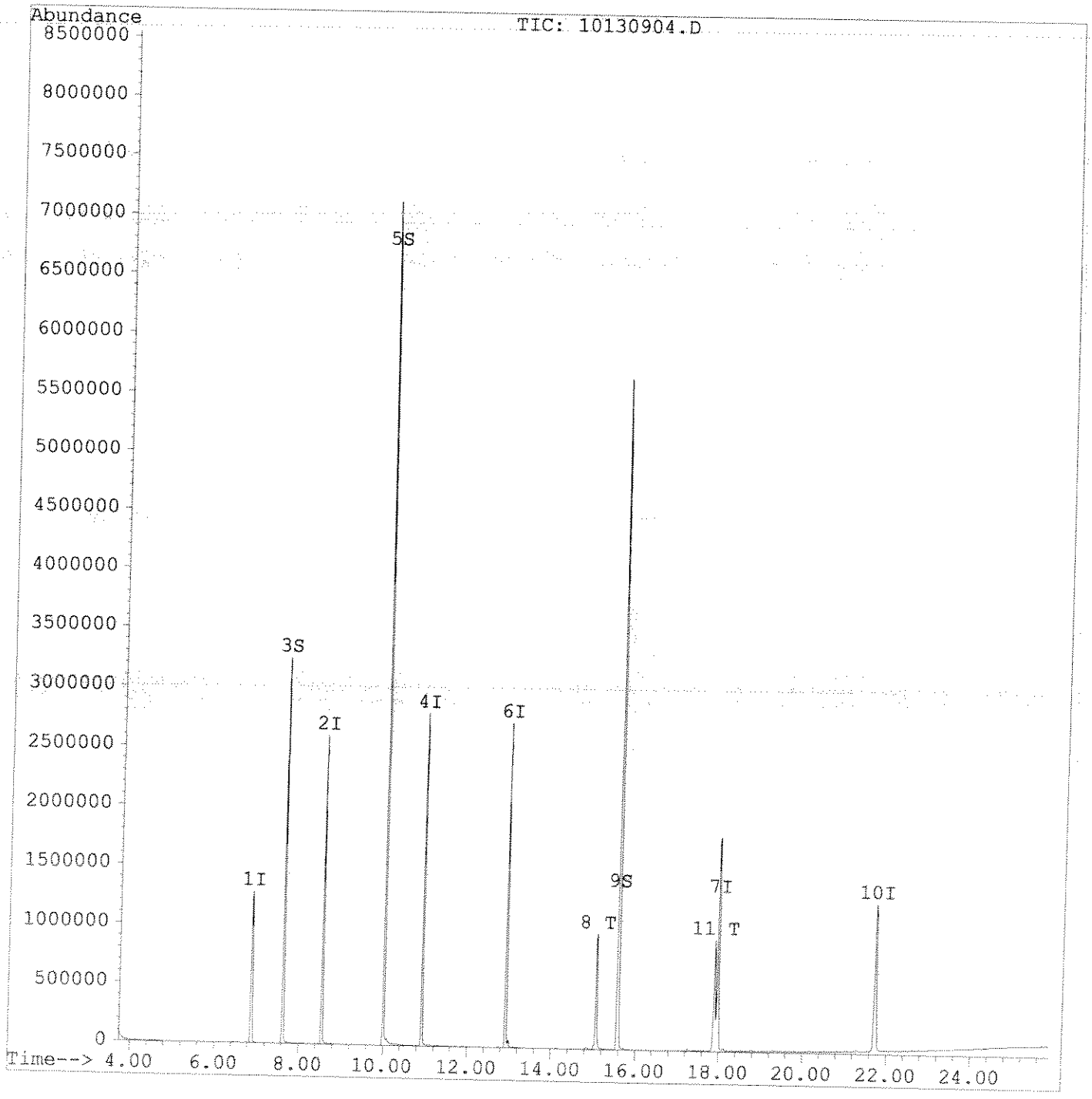
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.88	150	848903	40.00	PPB	0.00
2) NAPHTHALENE-d8 INT. STD.	8.56	136	1997619	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1077875	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	1939896	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.98	240	2052441	40.00	PPB	0.00
10) PERYLENE-d12 INT. STD.	21.73	264	1510744	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.63	82	2050101	100.00	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.02	172	4312472	100.00	PPB	
9) TERPHENYL-d14 SURR.	15.59	244	4367002	100.00	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.09	184	971501	30.00	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.89	252	613338	30.00	PPB	99

(#) = qualifier out of range (m) = manual integration
10130904.d BZ101309.M Tue Oct 13 14:19:09 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130904.d Vial: 5
Acq On : 13 Oct 109 12:14 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130905.d Vial: 6
Acq On : 13 Oct 109 12:50 pm Operator:
Sample : bz std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

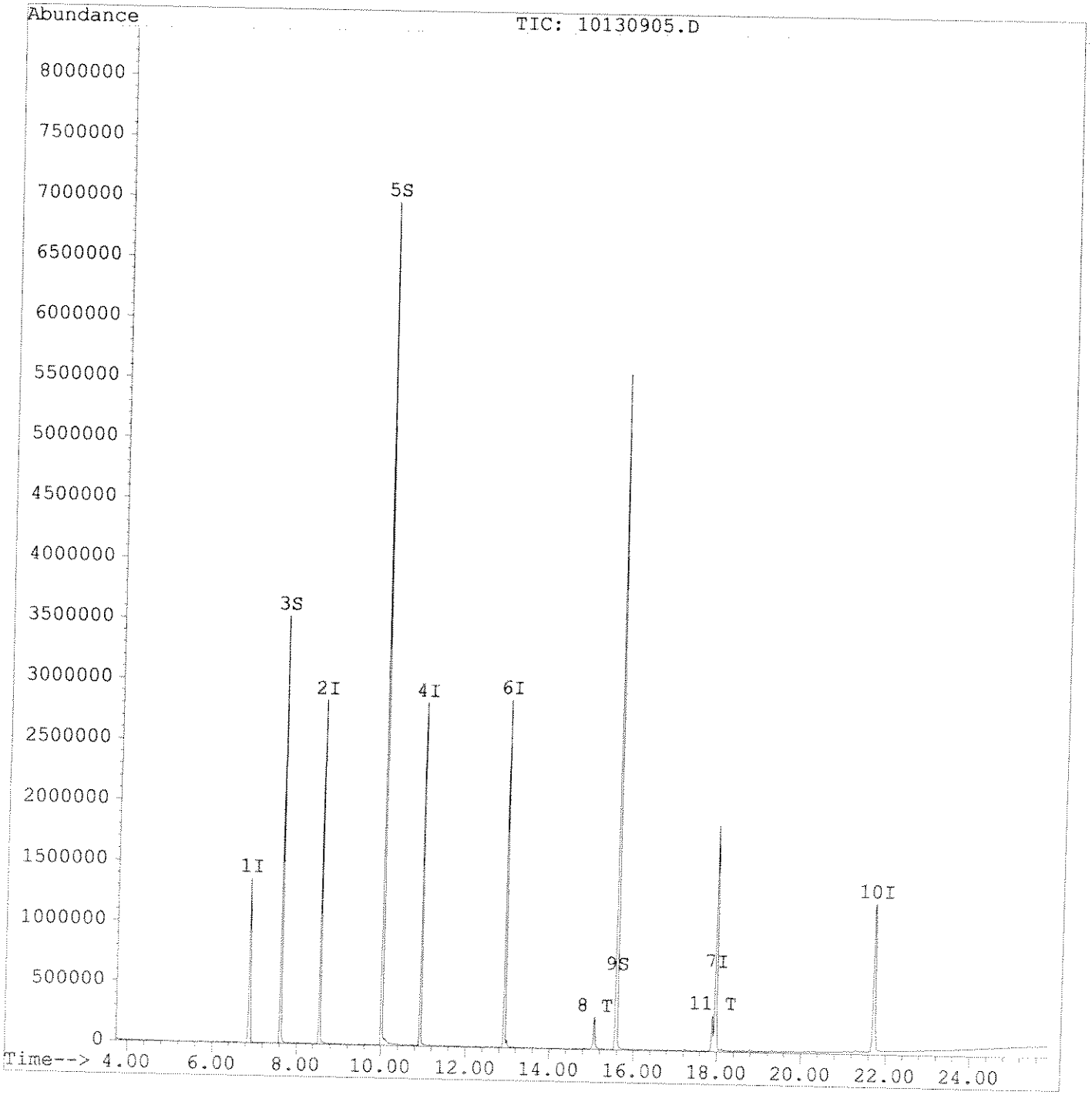
Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.88	150	851055	40.00	PPB	0.00
2) NAPHTHALENE-d8 INT. STD.	8.55	136	2035664	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.93	162	1110145	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	1979025	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.97	240	2082878	40.00	PPB	-0.01
10) PERYLENE-d12 INT. STD.	21.73	264	1516902	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1990814	95.29	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.01	172	4138997	93.19	PPB	
9) TERPHENYL-d14 SURR.	15.59	244	4402987	99.35	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.07	184	275192	8.37	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.89	252	191910	9.35	PPB	98

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130905.d Vial: 6
Acq On : 13 Oct 109 12:50 pm Operator:
Sample : bz std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130906.d Vial: 7
Acq On : 13 Oct 109 1:30 pm Operator:
Sample : bz std 50 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration

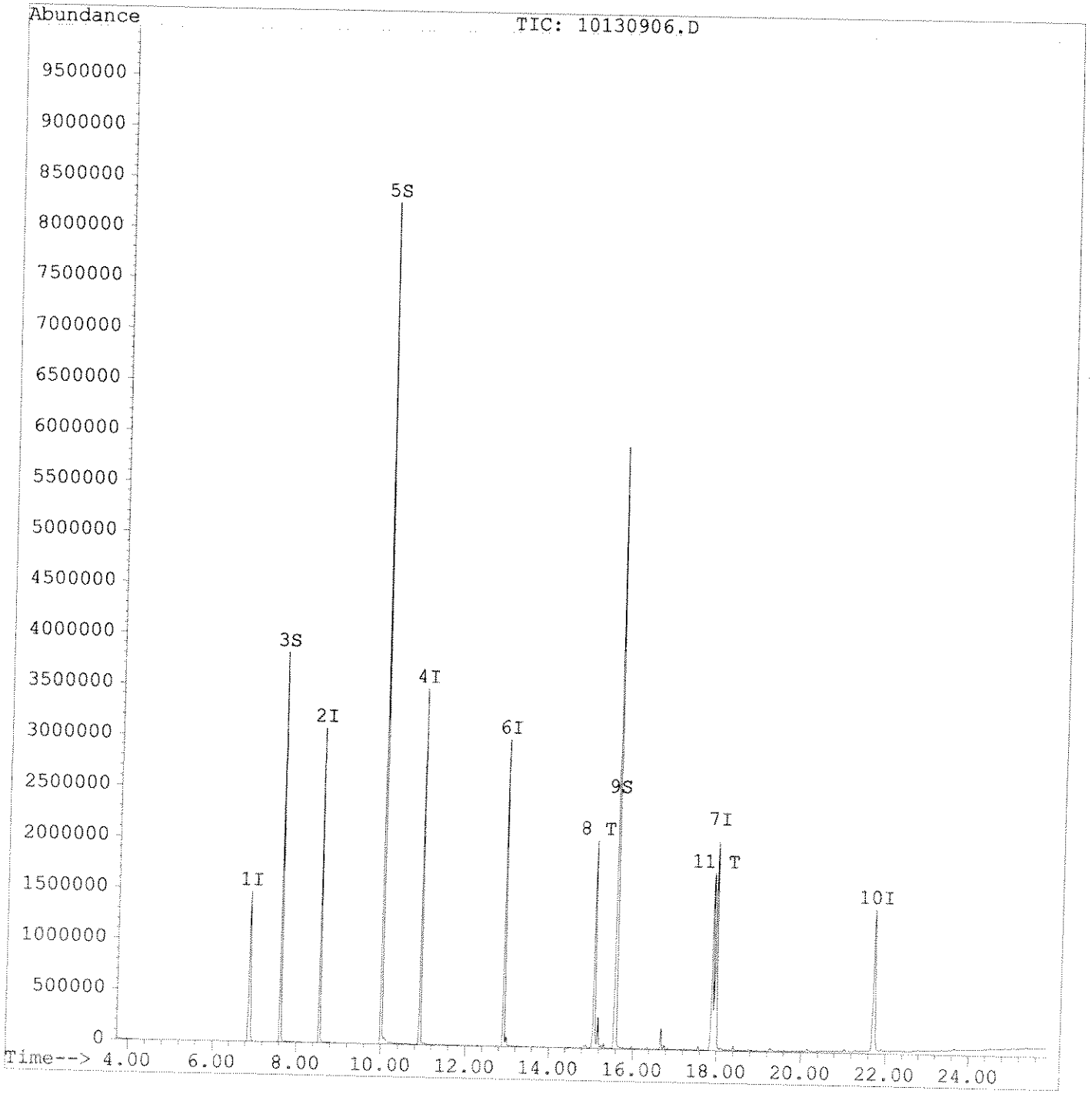
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.88	150	943530	40.00	PPB	0.00
2) NAPHTHALENE-d8 INT. STD.	8.55	136	2249091	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1229950	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.93	188	2212928	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.97	240	2297920	40.00	PPB	0.00
10) PERYLENE-d12 INT. STD.	21.73	264	1703580	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	2184612	94.65	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.01	172	4477581	90.99	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	4748002	97.11	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.08	184	1932779	53.31	PPB	100
11) 3,3'-DICHLOROBENZIDINE	17.89	252	1173111	50.88	PPB	99

(#) = qualifier out of range (m) = manual integration
10130906.d BZ101309.M Tue Oct 13 14:19:11 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130906.d Vial: 7
Acq On : 13 Oct 109 1:30 pm Operator:
Sample : bz std 50 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 14:17 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130907.d Vial: 8
Acq On : 13 Oct 109 2:07 pm Operator:
Sample : bz std 60 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:19 19109

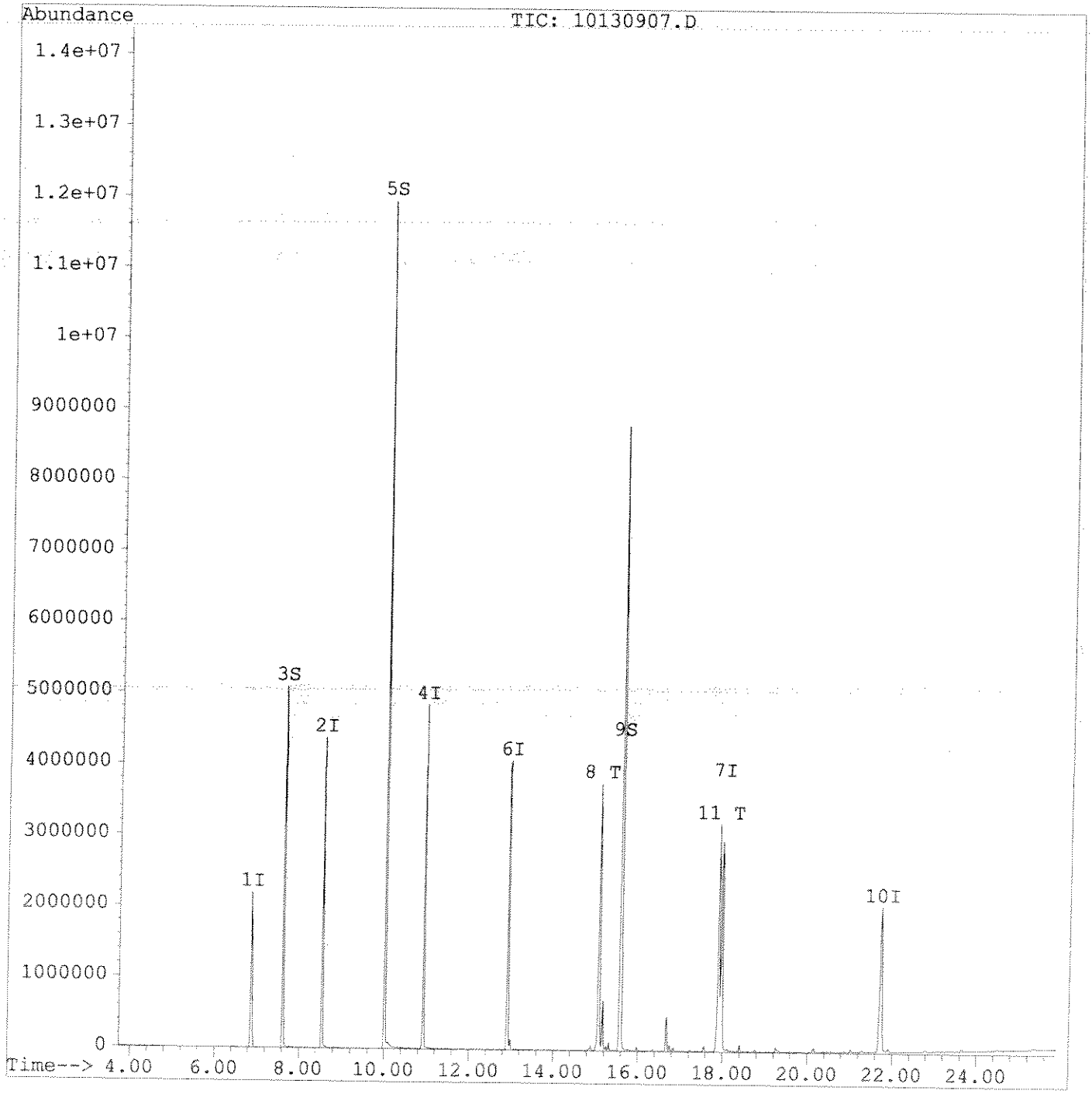
Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1272646	40.00	PPB	-0.01
2) NAPHTHALENE-d8 INT. STD.	8.55	136	3094203	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1721821	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.93	188	3212751	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.98	240	3468188	40.00	PPB	0.00
10) PERYLENE-d12 INT. STD.	21.74	264	2669535	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	3098386	97.57	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.01	172	6217035	90.25	PPB	
9) TERPHENYL-d14 SURR.	15.60	244	7232658	98.01	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.08	184	3770060	68.90	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.90	252	2161096	59.82	PPB	99

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130907.d Vial: 8
Acq On : 13 Oct 109 2:07 pm Operator:
Sample : bz std 60 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:19 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130908.d Vial: 9
Acq On : 13 Oct 109 2:44 pm Operator:
Sample : bz std 80 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:19 19109

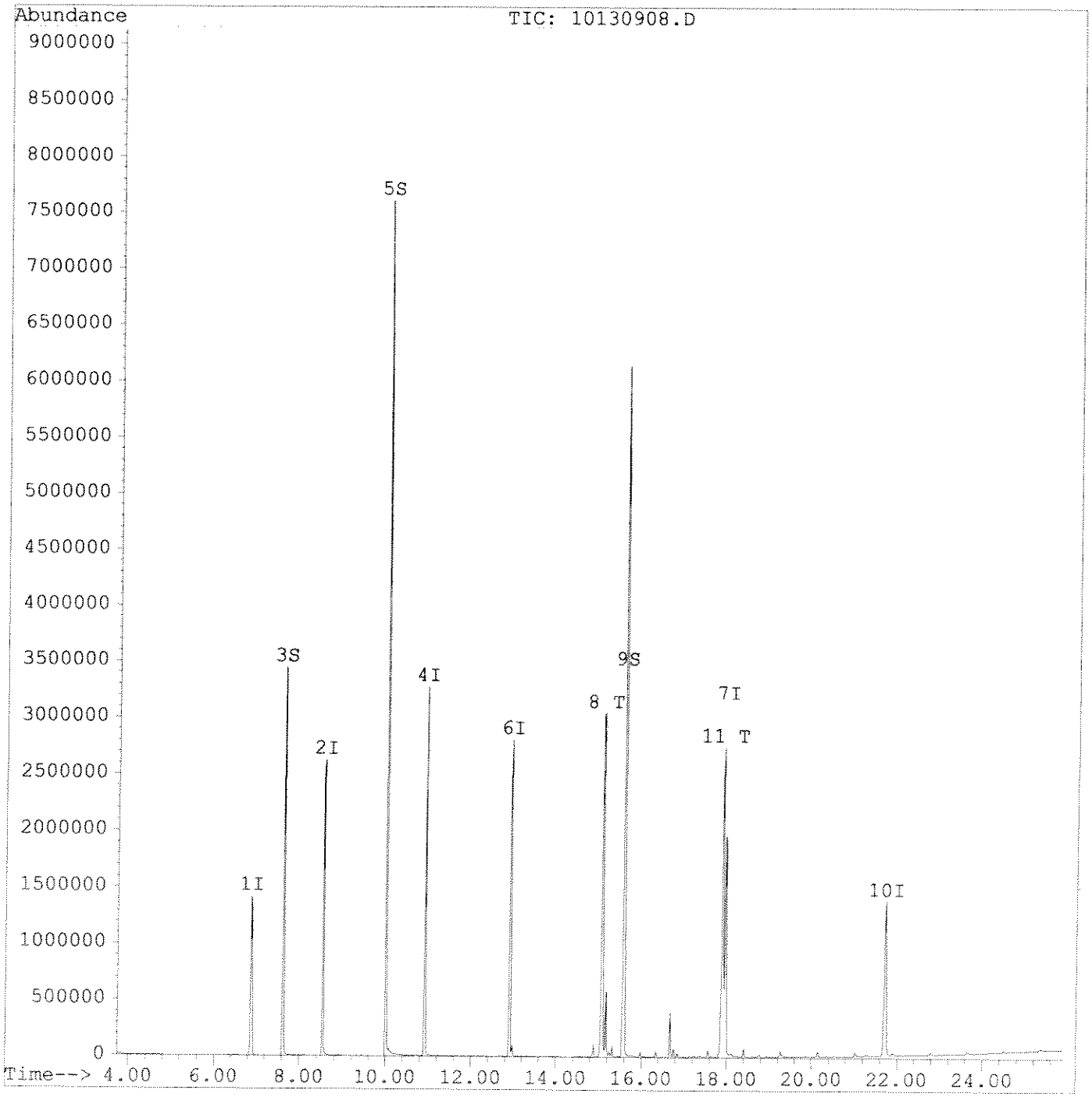
Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	899757	40.00	PPB	-0.02
2) NAPHTHALENE-d8 INT. STD.	8.55	136	2247191	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1201660	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	2164952	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.96	240	2250866	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.73	264	1713636	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.63	82	2121972	92.01	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	4404137	91.61	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	4904048	102.40	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.09	184	3218556	90.63	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.90	252	1857419	80.09	PPB	99

Quantitation Report

Data File : c:\hpchem\1\data\oct09\101309\10130908.d Vial: 9
Acq On : 13 Oct 109 2:44 pm Operator:
Sample : bz std 80 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:19 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 14:17:34 2009
Response via : Single Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\101309\10130909.D Vial: 5
Acq On : 13 Oct 109 3:21 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	90	-0.02
2	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	92	-0.01
3	S	NITROBENZENE-d5 SURR.	0.394	0.386	2.0	87	-0.01
4	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	96	0.00
5	S	2-FLUOROBIPHENYL SURR.	1.492	1.465	1.8	88	-0.01
6	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	93	0.00
7	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	88	-0.02
8	T	BENZIDINE	0.654	0.703	-7.5	98	-0.01
9	S	TERPHENYL-d14 SURR.	0.846	0.933	-10.3	96	0.00
10	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	91	-0.01
11	T	3,3'-DICHLOROBENZIDINE	0.536	0.553	-3.1	93	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
10130904.D BZ101309.M Tue Oct 13 16:30:13 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\101309\10130909.D Vial: 5
Acq On : 13 Oct 109 3:21 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:29 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

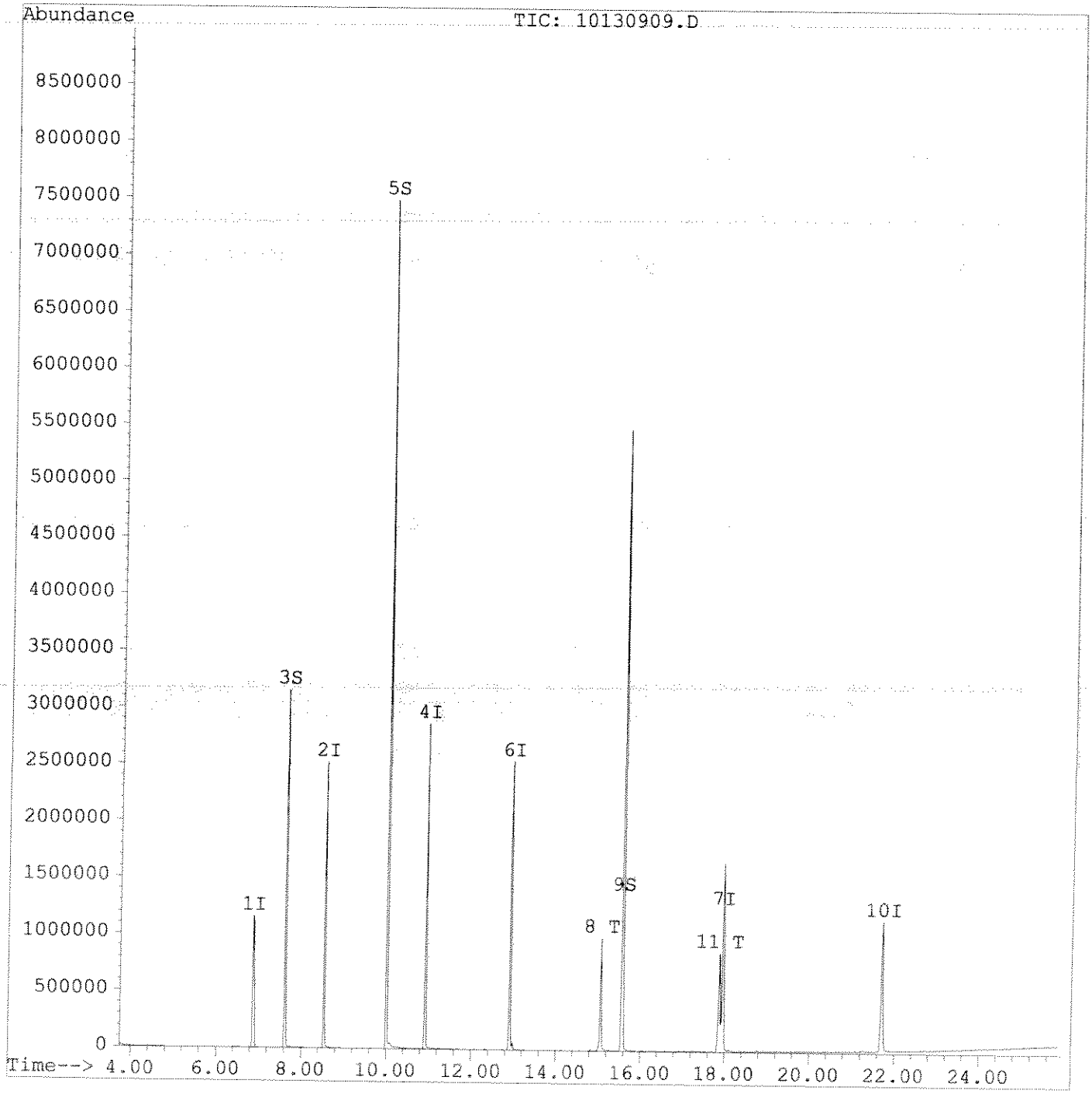
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	761595	40.00	PPB	-0.02
2) NAPHTHALENE-d8 INT. STD.	8.54	136	1843304	40.00	PPB	-0.01
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1033749	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	1811146	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.96	240	1803125	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.72	264	1379592	40.00	PPB	-0.01
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1778837	98.05	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.01	172	3786712	98.23	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	4205695	110.31	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.07	184	951316	32.25	PPB	100
11) 3,3'-DICHLOROBENZIDINE	17.87	252	571867	30.94	PPB	99

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

Quantitation Report

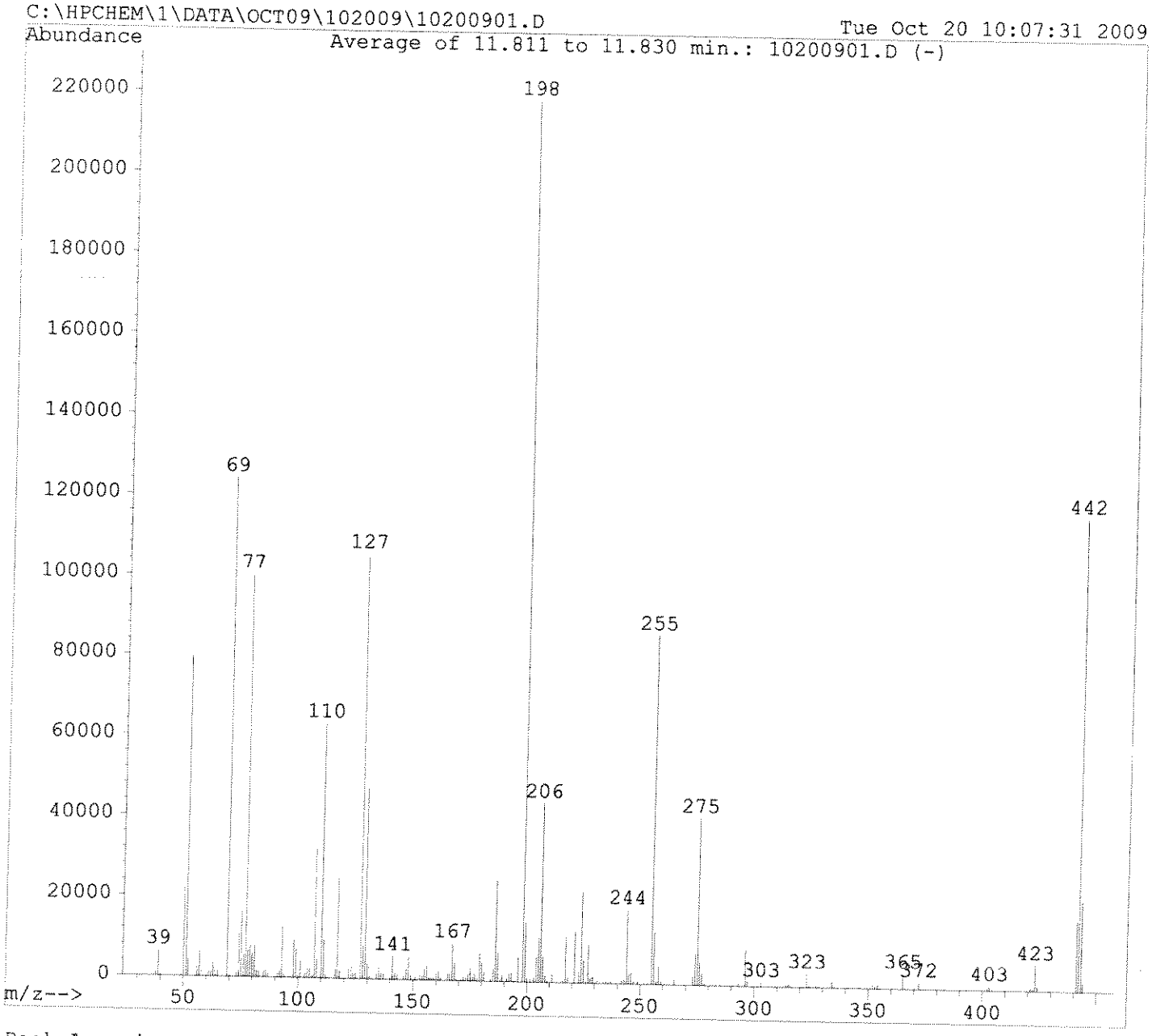
Data File : C:\HPCHEM\1\DATA\OCT09\101309\10130909.D Vial: 5
Acq On : 13 Oct 109 3:21 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 13 16:29 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration



DFTPP 625 Results

C:\HPCHEM\1\DATA\OCT09\102009\10200901.D Tue Oct 20 10:07:31 2009



Peak Apex is scan: 288
Average of 3 scans: 287,288,289 minus background scan 284

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	36.4	PASS
68	69	0	2	0.0	PASS
69	198	0	100	56.8	PASS
70	69	0	2	0.2	PASS
127	198	40	60	48.3	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	18.9	PASS
365	198	1	100	1.7	PASS
441	443	0	100	78.7	PASS
442	198	40	100	53.7	PASS
443	442	17	23	19.1	PASS

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200903.d Vial: 4
Acq On : 20 Oct 109 10:54 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:26 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	920119	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1798124	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1039906	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	1826747	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	1818401	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.71	264	1330523	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1564587	100.00	PPB		
5) PHENOL-d6 SURR.	6.45	99	1876418	100.00	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	1962016	100.00	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	3866837	99.77	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	722755	100.00	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	3968731	100.00	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.76	74	258842	30.00	PPB		90
3) PYRIDINE	3.72	79	429702	30.00	PPB	#	28
6) PHENOL - CCC	6.46	94	612520	30.00	PPB		86
7) aniline	6.50	93	572887	30.00	PPB		96
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	536131	30.00	PPB		90
9) 2-CHLOROPHENOL	6.64	128	522834	30.00	PPB		99
10) 1,3 DICHLOROBENZENE	6.82	146	639750	30.00	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	631486	30.00	PPB		98
12) benzyl alcohol	7.06	79	440627	30.00	PPB		95
13) 1,2-DICHLOROBENZENE	7.12	146	618001	30.00	PPB		97
14) 2-METHYLPHENOL	7.22	108	454854	30.00	PPB		98
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	622975	30.00	PPB		93
16) 4-METHYLPHENOL	7.41	107	563508	30.00	PPB		97
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	357625	30.00	PPB		98
18) HEXACHLOROETHANE	7.53	117	304485	30.00	PPB		99
21) NITROBENZENE	7.64	77	592495	30.00	PPB		98
22) ISOPHORONE	7.93	82	1164196	30.00	PPB		98
23) 2,4 DIMETHYLPHENOL	8.09	107	442749	30.00	PPB		99
24) benzoic acid	8.23	105	278150	30.00	PPB		95
25) 2-NITROPHENOL - CCC	8.06	139	350287	30.00	PPB		88
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	675855	30.00	PPB		98
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	468261	30.00	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.48	180	588943	30.00	PPB		99
29) NAPHTHALENE	8.56	128	1468519	30.00	PPB		98
30) 4-CHLOROANILINE	8.65	127	543775	30.00	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.80	225	352571	30.00	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	495013	30.00	PPB		97
33) 2-METHYLNAPHTHALENE	9.48	142	939669	30.00	PPB		98
34) 2-NITROANILINE	10.31	138	356784	30.00	PPB		97
36) HEXACHLOROCYCLOPENTADIENE	9.78	237	321709	30.00	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	381315	30.00	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.93	196	393962	30.00	PPB		96
40) 2-CHLORONAPHTHALENE	10.13	162	1009608	30.00	PPB		99
41) DIMETHYLPHTHALATE	10.58	163	1257468	30.00	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	297732	30.00	PPB		99
43) ACENAPHTHYLENE	10.71	152	1555522	30.00	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200903.d Vial: 4
Acq On : 20 Oct 109 10:54 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:26 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

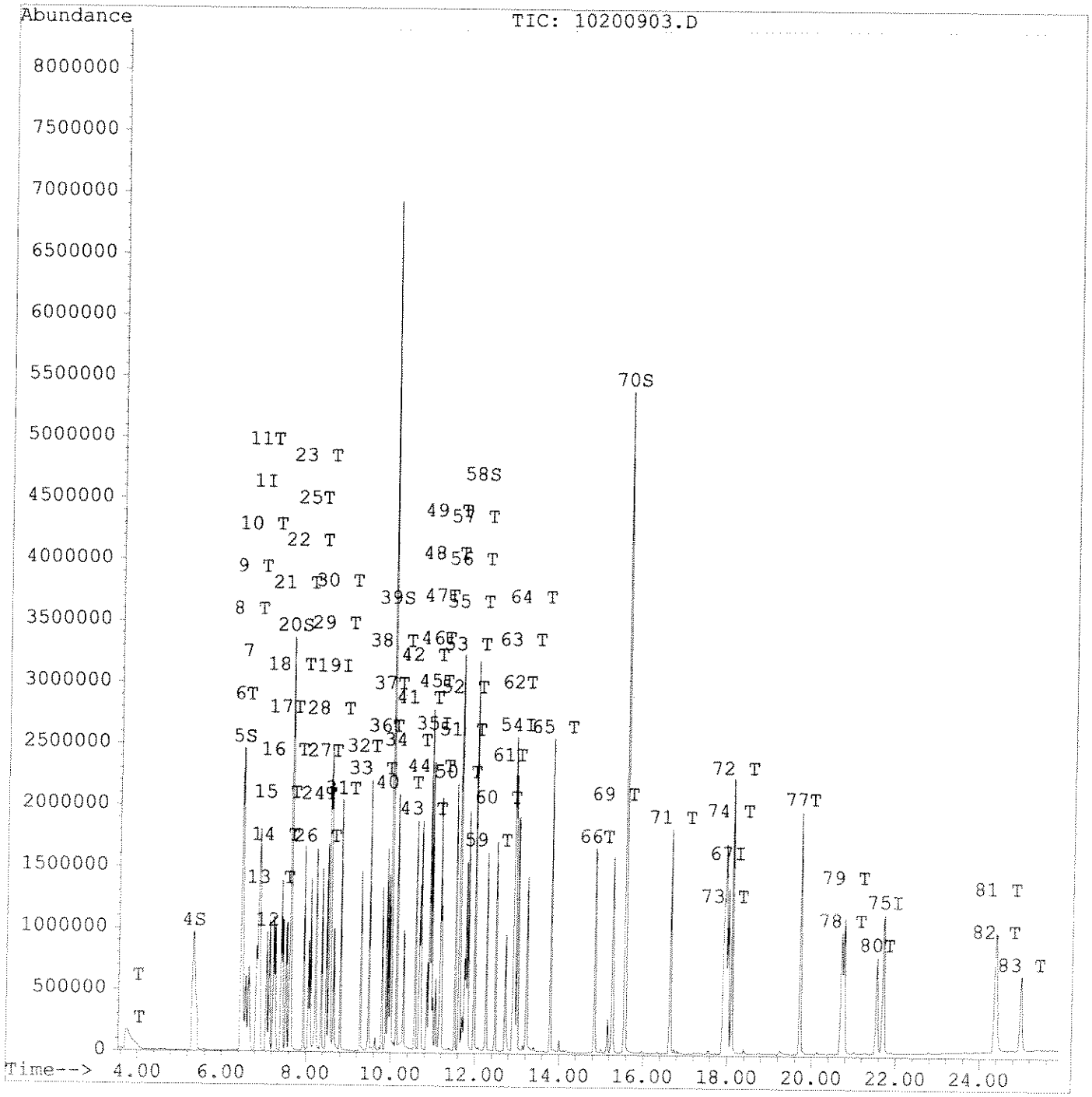
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	3-NITROANILINE	10.86	65	282533	30.00	PPB		99
45)	ACENAPHTHENE - CCC	10.95	153	902104	30.00	PPB		98
46)	2,4-DINITROPHENOL - SPCC	10.99	184	118778	30.00	PPB	#	56
47)	4-NITROPHENOL - SPCC	11.06	139	179822	30.00	PPB		97
48)	DIBENZOFURAN	11.16	168	1382226	30.00	PPB		98
49)	2,4 DINITROTOLUENE	11.20	165	414013	30.00	PPB		94
50)	DIETHYLPHTHLATE	11.51	149	1298978	30.00	PPB		97
51)	4-CHLOROPHENYLPHENYL ETHER	11.61	204	674723	30.00	PPB		100
52)	FLUORENE	11.63	166	1107407	30.00	PPB		100
53)	4-NITROANILINE	11.69	138	139101	30.00	PPB		89
55)	4,6-DINITRO-2-METHYLPHENOL	11.75	198	220338	30.00	PPB	#	97
56)	N-NITROSODIPHENYLAMINE	11.78	168	522622	30.00	PPB	#	99
57)	1,2 DIPHENYLHYDRAZINE	11.82	77	1438528	30.00	PPB		84
59)	4-BROMOPHENYLPHENYL ETHER	12.26	51	130480	30.00	PPB		96
60)	HEXACHLOROBENZENE	12.48	284	440303	30.00	PPB		99
61)	PENTACHLOROPHENOL - CCC	12.72	266	239513	30.00	PPB		98
62)	PHENANTHRENE	12.94	178	1635059	30.00	PPB		99
63)	ANTHRACENE	13.01	178	1658823	30.00	PPB		99
64)	CARBAZOLE	13.23	167	1356277	30.00	PPB		99
65)	DI-N-BUTYLPHTHALATE	13.79	149	2333750	30.00	PPB		100
66)	FLUORANTHENE - CCC	14.84	202	1729540	30.00	PPB		99
68)	BENZIDINE	0.00	184		Not Detected			
69)	PYRENE	15.26	202	1708618	30.00	PPB		100
71)	BUTYLBENZYLPHTHALATE	16.65	149	995136	30.00	PPB		98
72)	BIS(2-ETHYLHEXYL)PHTHALATE	18.10	149	1430204	30.00	PPB		98
73)	BENZO(A)ANTHRACENE	17.90	228	1425584	30.00	PPB		99
74)	CHRYSENE	18.01	228	1350058	30.00	PPB		100
76)	3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected			
77)	DI-N-OCTYL PHTHALATE - CCC	19.72	149	2387215	30.00	PPB		100
78)	BENZO(B)FLOURANTHENE	20.71	252	1442896	30.00	PPB		96
79)	BENZO(K)FLUORANTHENE	20.77	252	1216384	30.06	PPB	m	77
80)	BENZO(A)PYRENE - CCC	21.55	252	999450	30.00	PPB		97
81)	DIBENZO(A,H)ANTHRACENE	24.41	278	928873	30.00	PPB		99
82)	INDENO(1,2,3-CD)PYRENE	24.37	276	1111816	30.00	PPB		99
83)	BENZO(G,H,I)PERYLENE	24.99	276	890500	30.00	PPB		97

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200903.d Vial: 4
Acq On : 20 Oct 109 10:54 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:26 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200904.d Vial: 5
Acq On : 20 Oct 109 11:30 am Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:27 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	1010856	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.53	136	2445365	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1328795	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.90	188	2425683	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.94	240	2339992	40.00	PPB		-0.01
75) PERYLENE-d12 INT. STD.	21.70	264	1707664	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	2007090	116.77	PPB		
5) PHENOL-d6 SURR.	6.45	99	2352444	114.12	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	2352357	88.16	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	5014715	101.26	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	966996	100.76	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	5034750	98.58	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	12740	1.34	PPB	m	16
3) PYRIDINE	3.82	79	19801	1.26	PPB	m	1
6) PHENOL - CCC	6.46	94	28575	1.27	PPB	#	1
7) aniline	6.50	93	27457	1.31	PPB	#	5
8) BIS(2-CHLOROETHYL)ETHER	6.58	93	23251	1.18	PPB		91
9) 2-CHLOROPHENOL	6.63	128	23305	1.22	PPB		96
10) 1,3 DICHLOROBENZENE	6.82	146	25575	1.09	PPB		87
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	27073	1.17	PPB	#	67
12) benzyl alcohol	7.06	79	17647	1.09	PPB		92
13) 1,2-DICHLOROBENZENE	7.13	146	26608	1.18	PPB		98
14) 2-METHYLPHENOL	7.22	108	22076	1.33	PPB		92
15) BIS(2-CHLOROISOPROPYL)ETHE	7.26	45	26609	1.17	PPB		94
16) 4-METHYLPHENOL	7.41	107	24356	1.18	PPB		94
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	14863	1.13	PPB		95
18) HEXACHLOROETHANE	7.53	117	11234	1.01	PPB		94
21) NITROBENZENE	7.64	77	34709	1.29	PPB		87
22) ISOPHORONE	7.94	82	48048	0.91	PPB		98
23) 2,4 DIMETHYLPHENOL	8.10	107	23342	1.16	PPB		97
24) benzoic acid	8.17	105	3935	0.31	PPB		90
25) 2-NITROPHENOL - CCC	8.05	139	13114	0.83	PPB		97
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	28822	0.94	PPB		94
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	18231	0.86	PPB		94
28) 1,2,4 TRICHLOROBENZENE	8.48	180	25775	0.97	PPB		100
29) NAPHTHALENE	8.56	128	64868	0.97	PPB		83
30) 4-CHLOROANILINE	8.65	127	25563	1.04	PPB		97
31) HEXACHLOROBUTADIENE - CCC	8.80	225	15066	0.94	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	20738	0.92	PPB		93
33) 2-METHYLNAPHTHALENE	9.48	142	41830	0.98	PPB		95
34) 2-NITROANILINE	10.30	138	11089	0.69	PPB		92
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	7381	0.54	PPB		94
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	13957	0.86	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.95	196	14721	0.88	PPB		99
40) 2-CHLORONAPHTHALENE	10.13	162	44384	1.03	PPB		97
41) DIMETHYLPHTHALATE	10.57	163	51847	0.97	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	9352	0.74	PPB	#	82
43) ACENAPHTHYLENE	10.70	152	65269	0.99	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200904.d Vial: 5
Acq On : 20 Oct 109 11:30 am Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:27 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

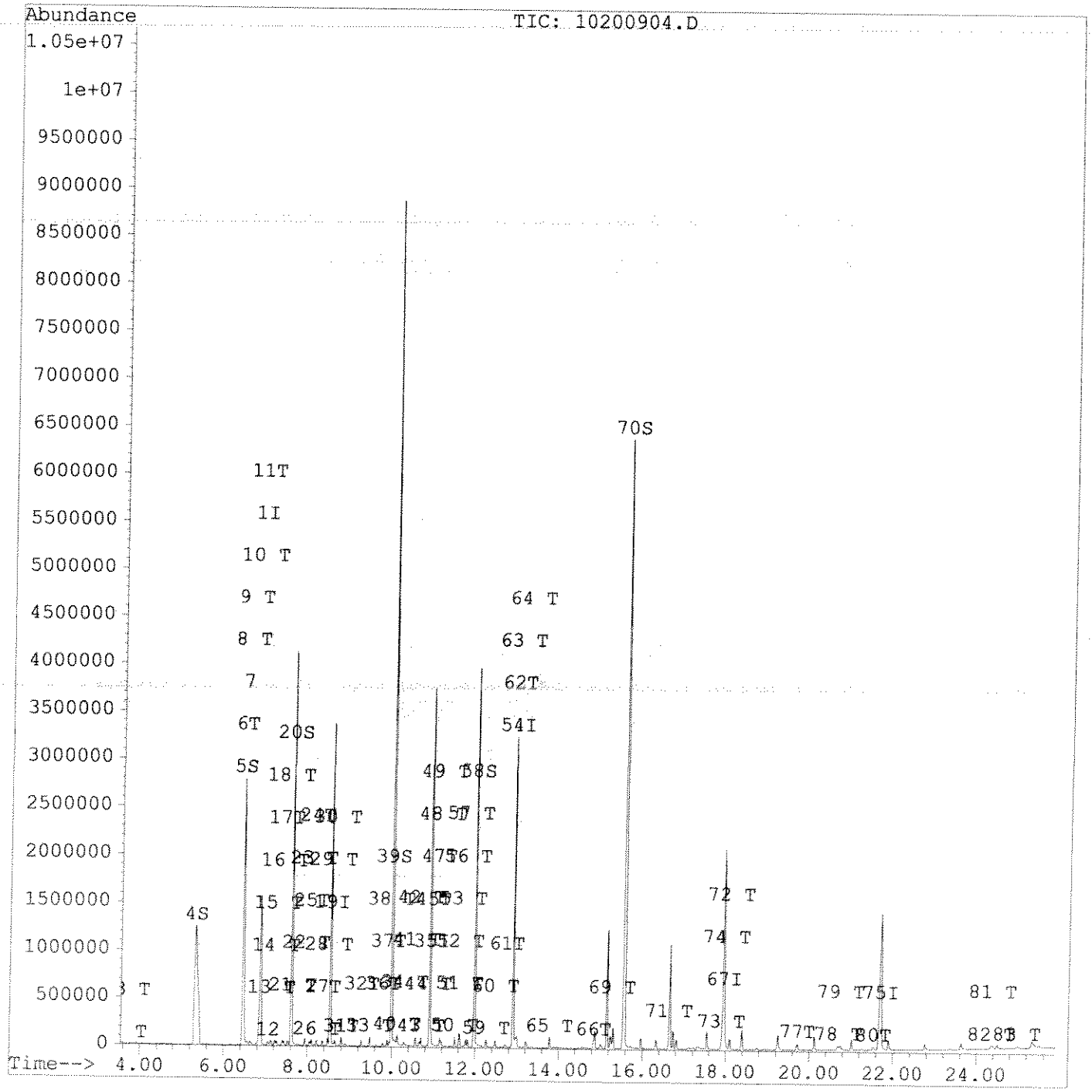
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	3-NITROANILINE	10.85	65	8499	0.71 PPB	#	84
45)	ACENAPHTHENE - CCC	10.95	153	40558	1.06 PPB		95
46)	2,4-DINITROPHENOL - SPCC	0.00	184		Not Detected		
47)	4-NITROPHENOL - SPCC	11.07	139	4220	0.55 PPB		97
48)	DIBENZOFURAN	11.15	168	60603	1.03 PPB		99
49)	2,4 DINITROTOLUENE	11.19	165	12060	0.68 PPB		93
50)	DIETHYLPHTHLATE	11.51	149	54253	0.98 PPB		97
51)	4-CHLOROPHENYLPHENYL ETHER	11.61	204	28016	0.97 PPB		98
52)	FLUORENE	11.62	166	48574	1.03 PPB		98
53)	4-NITROANILINE	11.67	138	7914	1.34 PPB		83
55)	4,6-DINITRO-2-METHYLPHENOL	0.00	198		Not Detected		
56)	N-NITROSODIPHENYLAMINE	11.78	168	19996	0.86 PPB	#	90
57)	1,2 DIPHENYLHYDRAZINE	11.82	77	56768	0.89 PPB		84
59)	4-BROMOPHENYLPHENYL ETHER	12.26	51	6118	1.06 PPB	#	92
60)	HEXACHLOROBENZENE	12.48	284	18320	0.94 PPB		94
61)	PENTACHLOROPHENOL - CCC	12.73	266	6032	0.57 PPB		95
62)	PHENANTHRENE	12.94	178	72553	1.00 PPB		93
63)	ANTHRACENE	13.00	178	71235	0.97 PPB		97
64)	CARBAZOLE	13.23	167	56314	0.94 PPB		97
65)	DI-N-BUTYLPHTHALATE	13.79	149	96606	0.94 PPB		97
66)	FLUORANTHENE - CCC	14.84	202	74634	0.97 PPB		98
68)	BENZIDINE	0.00	184		Not Detected		
69)	PYRENE	15.27	202	76042	1.04 PPB		98
71)	BUTYLBENZYLPHTHALATE	16.63	149	42913	1.01 PPB		97
72)	BIS(2-ETHYLHEXYL)PHTHALATE	18.10	149	71749	1.17 PPB		97
73)	BENZO(A)ANTHRACENE	17.90	228	61828	1.01 PPB		99
74)	CHRYSENE	18.00	228	55459	0.96 PPB		98
76)	3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77)	DI-N-OCTYL PHTHALATE - CCC	19.72	149	84964	0.83 PPB		97
78)	BENZO(B)FLOURANTHENE	20.70	252	52390	0.85 PPB		91
79)	BENZO(K)FLUORANTHENE	20.76	252	51430	0.99 PPB	m	74
80)	BENZO(A)PYRENE - CCC	21.54	252	39933	0.93 PPB		93
81)	DIBENZO(A,H)ANTHRACENE	24.38	278	32314	0.81 PPB		95
82)	INDENO(1,2,3-CD)PYRENE	24.36	276	41273	0.87 PPB		99
83)	BENZO(G,H,I)PERYLENE	24.97	276	34630	0.91 PPB		93

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200904.d Vial: 5
Acq On : 20 Oct 109 11:30 am Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:27 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200906.d Vial: 7
Acq On : 20 Oct 109 12:42 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:30 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	895372	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	2018139	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1094463	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.90	188	2069500	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.95	240	1989674	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.69	264	1477381	40.00	PPB		-0.01
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1690134	111.01	PPB		
5) PHENOL-d6 SURR.	6.45	99	2004991	109.81	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	1985053	90.14	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	4283830	105.02	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	819681	100.11	PPB		
70) TERPHENYL-d14 SURR.	15.56	244	4463887	102.79	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	94652	11.27	PPB		83
3) PYRIDINE	3.77	79	154046	11.05	PPB	#	70
6) PHENOL - CCC	6.47	94	224796	11.31	PPB	#	84
7) aniline	6.49	93	232448	12.51	PPB	#	5
8) BIS(2-CHLOROETHYL)ETHER	6.56	93	204640	11.77	PPB		96
9) 2-CHLOROPHENOL	6.63	128	199123	11.74	PPB		99
10) 1,3 DICHLOROBENZENE	6.82	146	219647	10.58	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	241134	11.77	PPB		99
12) benzyl alcohol	7.06	79	158727	11.11	PPB		95
13) 1,2-DICHLOROBENZENE	7.13	146	219084	10.93	PPB		98
14) 2-METHYLPHENOL	7.22	108	164980	11.18	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.26	45	214639	10.62	PPB		95
16) 4-METHYLPHENOL	7.41	107	206462	11.30	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	116482	10.04	PPB		98
18) HEXACHLOROETHANE	7.52	117	106663	10.80	PPB		99
21) NITROBENZENE	7.63	77	218363	9.85	PPB		97
22) ISOPHORONE	7.93	82	418886	9.62	PPB		98
23) 2,4 DIMETHYLPHENOL	8.09	107	175175	10.58	PPB		98
24) benzoic acid	8.20	105	71501	6.87	PPB		97
25) 2-NITROPHENOL - CCC	8.05	139	117715	8.98	PPB		91
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	220934	8.74	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	165220	9.43	PPB		96
28) 1,2,4 TRICHLOROBENZENE	8.48	180	211572	9.60	PPB		99
29) NAPHTHALENE	8.56	128	537980	9.79	PPB		99
30) 4-CHLOROANILINE	8.65	127	205750	10.11	PPB		100
31) HEXACHLOROBUTADIENE - CCC	8.80	225	132886	10.07	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	179580	9.70	PPB		96
33) 2-METHYLNAPHTHALENE	9.48	142	356377	10.14	PPB		98
34) 2-NITROANILINE	10.30	138	123474	9.25	PPB		96
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	97851	8.67	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	138249	10.33	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	142076	10.28	PPB		96
40) 2-CHLORONAPHTHALENE	10.13	162	379153	10.70	PPB		99
41) DIMETHYLPHTHALATE	10.57	163	444697	10.08	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	102597	9.82	PPB		99
43) ACENAPHTHYLENE	10.71	152	545024	9.99	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200906.d Vial: 7
Acq On : 20 Oct 109 12:42 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:30 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

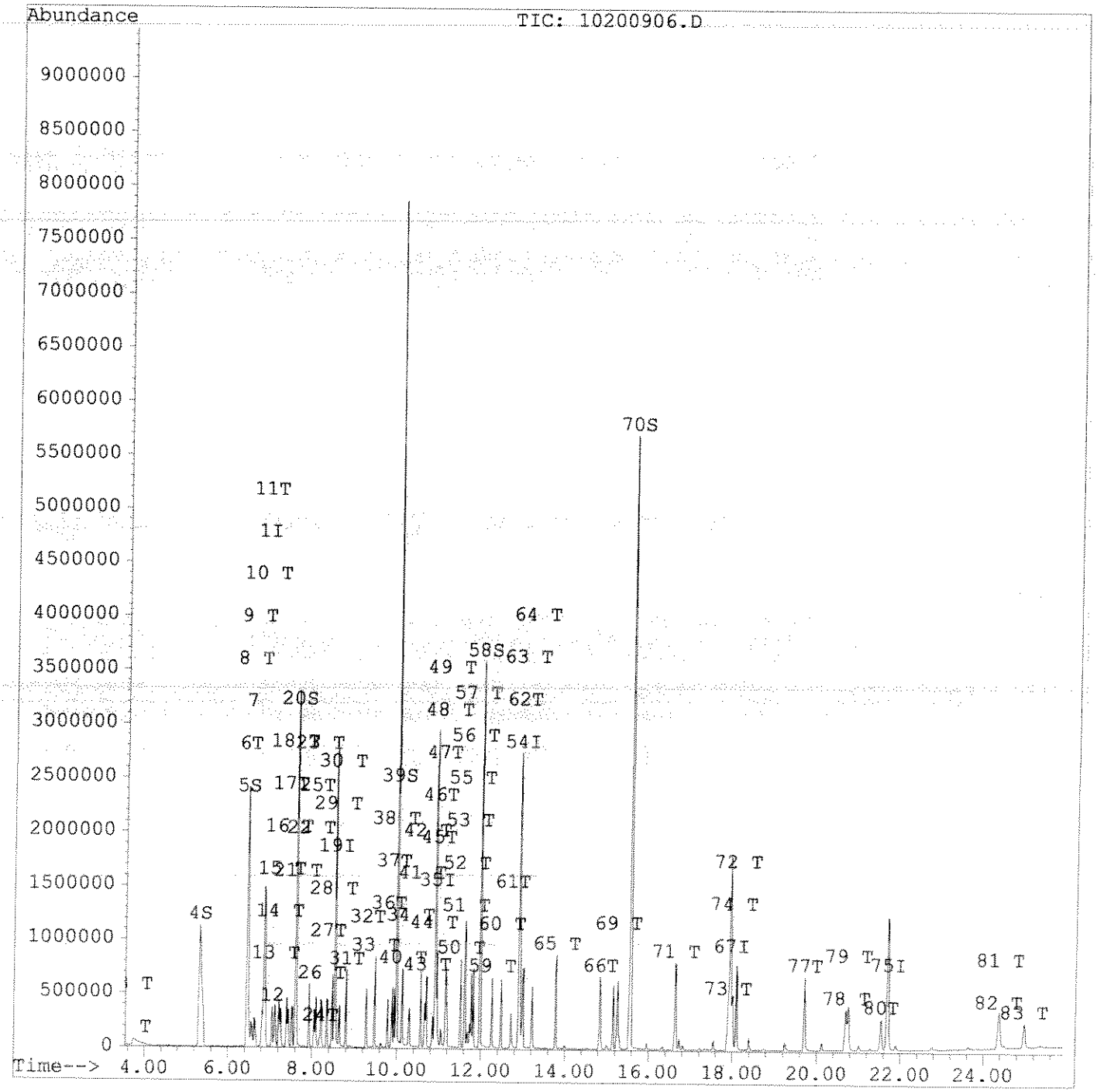
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.85	65	105977	10.69 PPB		97
45) ACENAPHTHENE - CCC	10.95	153	338290	10.69 PPB		97
46) 2,4-DINITROPHENOL - SPCC	10.98	184	24433	5.86 PPB	#	56
47) 4-NITROPHENOL - SPCC	11.05	139	56124	8.90 PPB		94
48) DIBENZOFURAN	11.16	168	533069	10.99 PPB		98
49) 2,4 DINITROTOLUENE	11.19	165	130121	8.96 PPB		99
50) DIETHYLPHTHLATE	11.51	149	466064	10.23 PPB		96
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	248051	10.48 PPB		98
52) FLUORENE	11.62	166	414324	10.66 PPB		99
53) 4-NITROANILINE	11.68	138	61029	12.51 PPB		91
55) 4,6-DINITRO-2-METHYLPHENOL	11.74	198	61561	7.40 PPB	#	96
56) N-NITROSODIPHENYLAMINE	11.77	168	182901	9.27 PPB	#	96
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	497229	9.15 PPB		85
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	47134	9.57 PPB		98
60) HEXACHLOROBENZENE	12.48	284	160937	9.68 PPB		99
61) PENTACHLOROPHENOL - CCC	12.72	266	78865	8.72 PPB		99
62) PHENANTHRENE	12.93	178	589072	9.54 PPB		98
63) ANTHRACENE	13.00	178	590047	9.42 PPB		100
64) CARBAZOLE	13.22	167	481074	9.39 PPB		99
65) DI-N-BUTYLPHTHALATE	13.79	149	861416	9.77 PPB		99
66) FLUORANTHENE - CCC	14.84	202	650261	9.96 PPB		99
68) BENZIDINE	0.00	184		Not Detected		
69) PYRENE	15.26	202	630705	10.12 PPB		99
71) BUTYLBENZYLPHTHALATE	16.64	149	353111	9.73 PPB		97
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.09	149	523432	10.03 PPB		99
73) BENZO(A)ANTHRACENE	17.89	228	530011	10.19 PPB		99
74) CHRYSENE	18.00	228	494555	10.04 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77) DI-N-OCTYL PHTHALATE - CCC	19.71	149	825015	9.34 PPB		100
78) BENZO(B)FLOURANTHENE	20.70	252	478591	8.96 PPB		98
79) BENZO(K)FLUORANTHENE	20.76	252	493568	10.99 PPB	m	78
80) BENZO(A)PYRENE - CCC	21.53	252	361504	9.77 PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.39	278	322734	9.39 PPB		99
82) INDENO(1,2,3-CD)PYRENE	24.36	276	390153	9.48 PPB		99
83) BENZO(G,H,I)PERYLENE	24.97	276	318655	9.67 PPB		98

(#) = qualifier out of range (m) = manual integration
10200906.d G2102009.M Tue Oct 20 15:33:28 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200906.d Vial: 7
Acq On : 20 Oct 109 12:42 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:30 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200907.d Vial: 8
Acq On : 20 Oct 109 1:18 pm Operator:
Sample : bna std 20 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:31 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	925793	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.53	136	1988173	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1119558	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	2094212	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.95	240	2022679	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.70	264	1510743	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1651854	104.93	PPB		
5) PHENOL-d6 SURR.	6.45	99	1956307	103.62	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	1999856	92.19	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	4166516	99.86	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	828084	99.94	PPB		
70) TERPHENYL-d14 SURR.	15.56	244	4320883	97.88	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.76	74	181432	20.90	PPB		92
3) PYRIDINE	3.73	79	305933	21.23	PPB		93
6) PHENOL - CCC	6.46	94	440110	21.42	PPB		97
7) aniline	6.50	93	487437	25.37	PPB	#	29
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	379887	21.13	PPB		89
9) 2-CHLOROPHENOL	6.64	128	393320	22.43	PPB		100
10) 1,3 DICHLOROBENZENE	6.81	146	456830	21.29	PPB		99
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	442503	20.89	PPB		99
12) benzyl alcohol	7.06	79	326184	22.07	PPB		98
13) 1,2-DICHLOROBENZENE	7.13	146	454167	21.91	PPB		98
14) 2-METHYLPHENOL	7.22	108	334333	21.92	PPB		97
15) BIS(2-CHLOROISOPROPYL)ETHE	7.26	45	427929	20.48	PPB		95
16) 4-METHYLPHENOL	7.40	107	419722	22.21	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	234357	19.54	PPB		98
18) HEXACHLOROETHANE	7.53	117	213670	20.92	PPB		98
21) NITROBENZENE	7.64	77	423076	19.37	PPB		98
22) ISOPHORONE	7.93	82	827137	19.28	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	368116	22.56	PPB		99
24) benzoic acid	8.22	105	195358	19.06	PPB		96
25) 2-NITROPHENOL - CCC	8.05	139	240515	18.63	PPB		92
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	457393	18.36	PPB		100
27) 2,4 DICHLOROPHENOL - CCC	8.35	162	354760	20.56	PPB		96
28) 1,2,4 TRICHLOROBENZENE	8.48	180	418621	19.29	PPB		100
29) NAPHTHALENE	8.57	128	1129909	20.88	PPB		99
30) 4-CHLOROANILINE	8.65	127	417625	20.84	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.80	225	273456	21.04	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	358797	19.67	PPB		97
33) 2-METHYLNAPHTHALENE	9.48	142	687232	19.84	PPB		99
34) 2-NITROANILINE	10.30	138	259043	19.70	PPB		96
36) HEXACHLOROCYCLOPENTADIENE	9.78	237	221730	19.21	PPB		99
37) 2,4,6-TRICHLOROPHENOL - CC	9.88	196	299031	21.85	PPB		99
38) 2,4,5 TRICHLOROPHENOL	9.94	196	272228	19.26	PPB		98
40) 2-CHLORONAPHTHALENE	10.14	162	752880	20.78	PPB		99
41) DIMETHYLPHTHALATE	10.57	163	902291	19.99	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	218528	20.45	PPB		99
43) ACENAPHTHYLENE	10.70	152	1135339	20.34	PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200907.d Vial: 8
Acq On : 20 Oct 109 1:18 pm Operator:
Sample : bna std 20 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:31 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

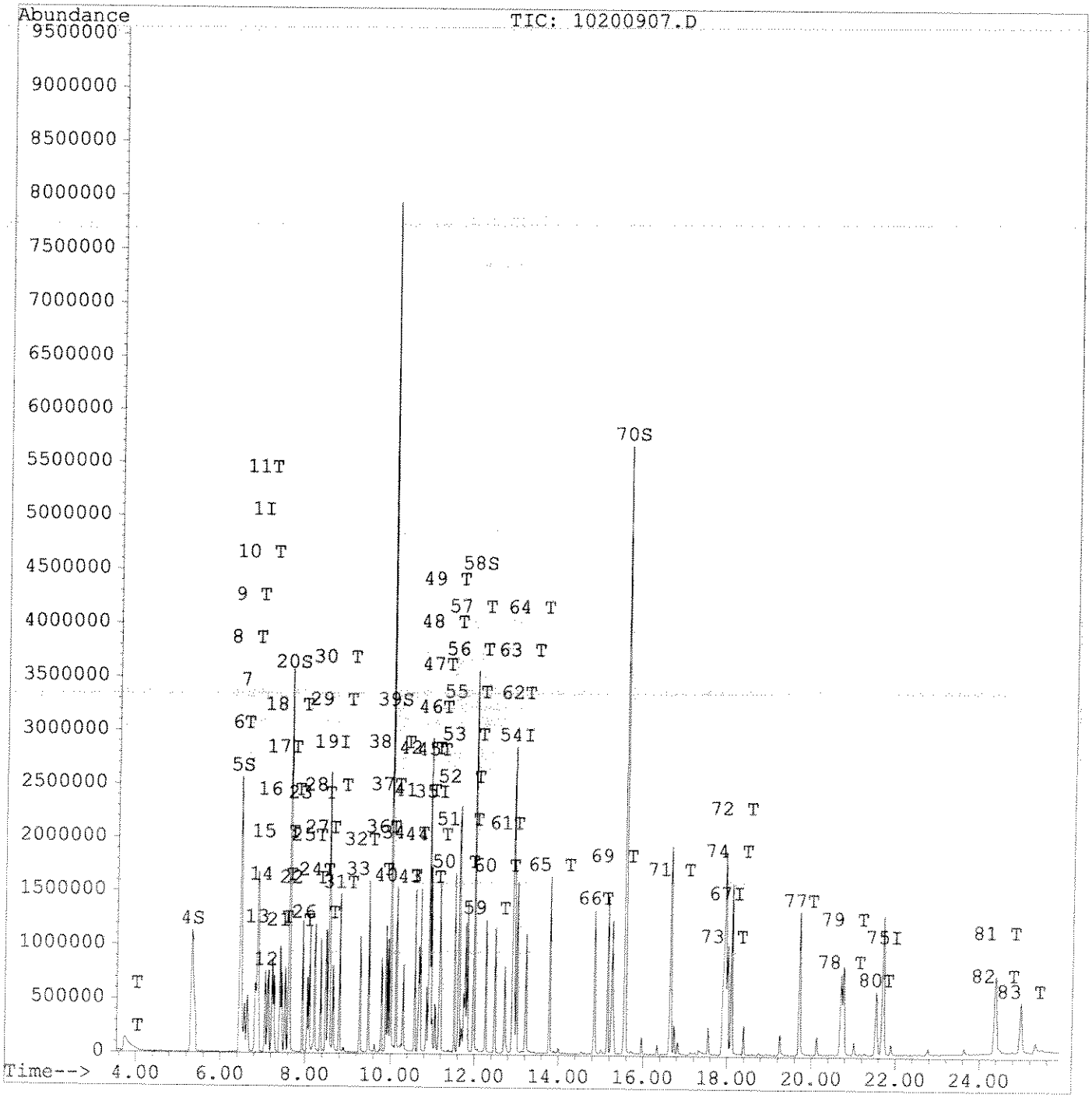
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.86	65	218585	21.56 PPB		96
45) ACENAPHTHENE - CCC	10.95	153	673322	20.80 PPB		97
46) 2,4-DINITROPHENOL - SPCC	10.99	184	85117	19.97 PPB	#	54
47) 4-NITROPHENOL - SPCC	11.06	139	135703	21.03 PPB		97
48) DIBENZOFURAN	11.16	168	1065673	21.48 PPB		98
49) 2,4 DINITROTOLUENE	11.20	165	285982	19.25 PPB		97
50) DIETHYLPHTHLATE	11.52	149	934588	20.05 PPB		97
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	490358	20.25 PPB		99
52) FLUORENE	11.62	166	806549	20.30 PPB		100
53) 4-NITROANILINE	11.69	138	110427	22.12 PPB	#	85
55) 4,6-DINITRO-2-METHYLPHENOL	11.74	198	155077	18.42 PPB	#	97
56) N-NITROSODIPHENYLAMINE	11.77	168	385240	19.29 PPB	#	98
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	1021754	18.59 PPB		85
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	94768	19.01 PPB		99
60) HEXACHLOROBENZENE	12.49	284	324174	19.27 PPB		100
61) PENTACHLOROPHENOL - CCC	12.72	266	182718	19.96 PPB		99
62) PHENANTHRENE	12.93	178	1182066	18.92 PPB		99
63) ANTHRACENE	13.00	178	1246559	19.66 PPB		100
64) CARBAZOLE	13.22	167	1025947	19.80 PPB		99
65) DI-N-BUTYLPHTHALATE	13.79	149	1714792	19.23 PPB		100
66) FLUORANTHENE - CCC	14.84	202	1285586	19.45 PPB		99
68) BENZIDINE	0.00	184		Not Detected		
69) PYRENE	15.27	202	1235483	19.50 PPB		99
71) BUTYLBENZYLPHTHALATE	16.64	149	719033	19.49 PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.10	149	1028670	19.40 PPB		98
73) BENZO(A)ANTHRACENE	17.90	228	1078045	20.40 PPB		100
74) CHRYSENE	18.01	228	996346	19.90 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77) DI-N-OCTYL PHTHALATE - CCC	19.72	149	1723956	19.08 PPB		99
78) BENZO(B)FLOURANTHENE	20.70	252	1056341	19.34 PPB		99
79) BENZO(K)FLUORANTHENE	20.77	252	909524	19.80 PPB	m	55
80) BENZO(A)PYRENE - CCC	21.54	252	761625	20.13 PPB		99
81) DIBENZO(A,H)ANTHRACENE	24.39	278	690059	19.63 PPB		97
82) INDENO(1,2,3-CD)PYRENE	24.36	276	828757	19.69 PPB		99
83) BENZO(G,H,I)PERYLENE	24.98	276	670088	19.88 PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200907.d Vial: 8
Acq On : 20 Oct 109 1:18 pm Operator:
Sample : bna std 20 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:31 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200908.d Vial: 9
Acq On : 20 Oct 109 1:54 pm Operator:
Sample : bna std 50 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1063537	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1952230	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1070525	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	2007079	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	2016896	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.71	264	1500555	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1633513	90.33	PPB		
5) PHENOL-d6 SURR.	6.45	99	1900074	87.61	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	1993125	93.57	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	4111211	103.05	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	810560	102.07	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	4329367	98.35	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.74	74	440358	44.16	PPB		94
3) PYRIDINE	3.72	79	726449	43.88	PPB		97
6) PHENOL - CCC	6.48	94	1040883	44.11	PPB	#	84
7) aniline	6.50	93	843544	38.22	PPB		91
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	1072729	51.93	PPB		100
9) 2-CHLOROPHENOL	6.64	128	942515	46.79	PPB		100
10) 1,3 DICHLOROBENZENE	6.82	146	1056405	42.86	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	1155927	47.51	PPB		98
12) benzyl alcohol	7.07	79	803439	47.33	PPB		99
13) 1,2-DICHLOROBENZENE	7.13	146	1083661	45.51	PPB		99
14) 2-METHYLPHENOL	7.23	108	779321	44.47	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.26	45	1023383	42.64	PPB		97
16) 4-METHYLPHENOL	7.42	107	1023243	47.13	PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.45	43	591786	42.95	PPB		98
18) HEXACHLOROETHANE	7.53	117	521834	44.48	PPB		98
21) NITROBENZENE	7.64	77	1035999	48.32	PPB		98
22) ISOPHORONE	7.93	82	2027607	48.12	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	831453	51.89	PPB		98
24) benzoic acid	8.28	105	605696	60.17	PPB		94
25) 2-NITROPHENOL - CCC	8.05	139	588318	46.41	PPB		83
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	1151821	47.09	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	849681	50.14	PPB		98
28) 1,2,4 TRICHLOROBENZENE	8.48	180	1071095	50.25	PPB		99
29) NAPHTHALENE	8.56	128	2704726	50.89	PPB		98
30) 4-CHLOROANILINE	8.66	127	879461	44.69	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	669956	52.51	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	884780	49.39	PPB		99
33) 2-METHYLNAPHTHALENE	9.49	142	1732568	50.95	PPB		99
34) 2-NITROANILINE	10.31	138	664006	51.43	PPB		99
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	627543	56.85	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	711429	54.37	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	720490	53.30	PPB		95
40) 2-CHLORONAPHTHALENE	10.14	162	1822075	52.59	PPB		99
41) DIMETHYLPHTHALATE	10.59	163	2218747	51.42	PPB		99
42) 2,6 DINITROTOLUENE	10.68	165	571592	55.95	PPB		99
43) ACENAPHTHYLENE	10.70	152	2816942	52.77	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200908.d Vial: 9
Acq On : 20 Oct 109 1:54 pm Operator:
Sample : bna std 50 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

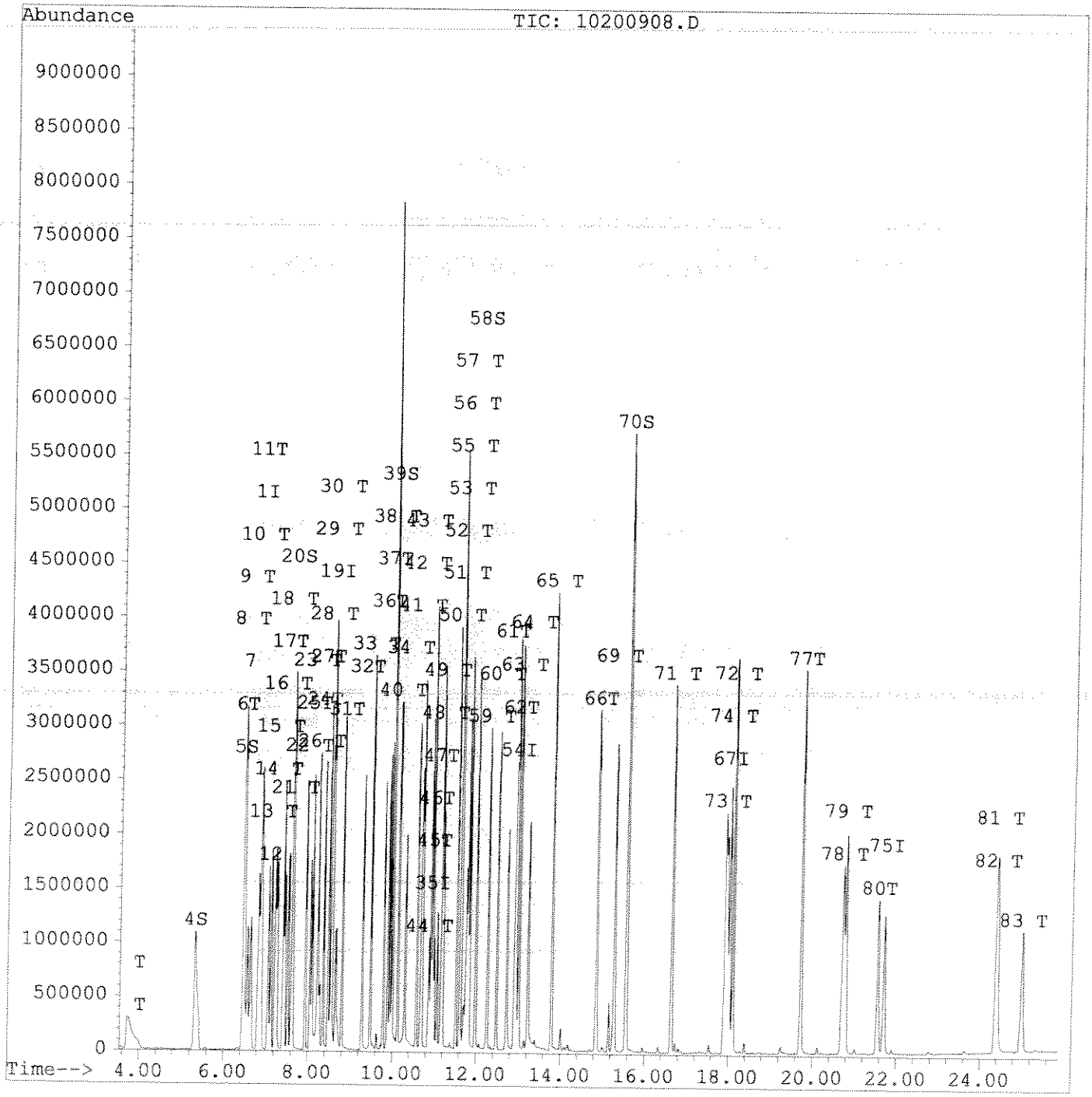
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) 3-NITROANILINE	10.86	65	423521	43.68	PPB		98
45) ACENAPHTHENE - CCC	10.96	153	1618774	52.29	PPB		99
46) 2,4-DINITROPHENOL - SPCC	10.99	184	291940	71.63	PPB		99
47) 4-NITROPHENOL - SPCC	11.07	139	377981	61.26	PPB		98
48) DIBENZOFURAN	11.16	168	2476523	52.21	PPB		99
49) 2,4 DINITROTOLUENE	11.20	165	757532	53.32	PPB		95
50) DIETHYLPHTHLATE	11.52	149	2349669	52.71	PPB		98
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	1238166	53.48	PPB		98
52) FLUORENE	11.63	166	1935610	50.94	PPB		99
53) 4-NITROANILINE	11.70	138	225708	47.29	PPB		93
55) 4,6-DINITRO-2-METHYLPHENOL	11.75	198	474993	58.86	PPB	#	98
56) N-NITROSODIPHENYLAMINE	11.79	168	947396	49.50	PPB	#	100
57) 1,2 DIPHENYLHYDRAZINE	11.83	77	2594631	49.25	PPB		98
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	228472	47.81	PPB		97
60) HEXACHLOROBENZENE	12.49	284	778499	48.28	PPB		99
61) PENTACHLOROPHENOL - CCC	12.73	266	486450	55.46	PPB		100
62) PHENANTHRENE	12.94	178	2904494	48.50	PPB		99
63) ANTHRACENE	13.01	178	2941421	48.42	PPB		100
64) CARBAZOLE	13.24	167	2319603	46.70	PPB		100
65) DI-N-BUTYLPHTHALATE	13.80	149	4122051	48.23	PPB		100
66) FLUORANTHENE - CCC	14.85	202	3207829	50.64	PPB		99
68) BENZIDINE	0.00	184		Not Detected			
69) PYRENE	15.27	202	3073064	48.65	PPB		99
71) BUTYLBENZYLPHTHALATE	16.65	149	1798104	48.87	PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.11	149	2524899	47.75	PPB		99
73) BENZO(A)ANTHRACENE	17.91	228	2721129	51.63	PPB		99
74) CHRYSENE	18.02	228	2531582	50.72	PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected			
77) DI-N-OCTYL PHTHALATE - CCC	19.73	149	4350108	48.47	PPB		99
78) BENZO(B)FLOURANTHENE	20.72	252	2615821	48.22	PPB		100
79) BENZO(K)FLUORANTHENE	20.78	252	2446966	53.63	PPB	m	55
80) BENZO(A)PYRENE - CCC	21.56	252	1926446	51.27	PPB		99
81) DIBENZO(A,H)ANTHRACENE	24.42	278	1808541	51.79	PPB		98
82) INDENO(1,2,3-CD)PYRENE	24.38	276	2170508	51.93	PPB		99
83) BENZO(G,H,I)PERYLENE	25.01	276	1733436	51.78	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200908.d Vial: 9
Acq On : 20 Oct 109 1:54 pm Operator:
Sample : bna std 50 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200909.d Vial: 10
Acq On : 20 Oct 109 2:31 pm Operator:
Sample : bna std 60 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1466614	40.00	PPB		0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	2626022	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1513703	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	2800246	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.97	240	2812722	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.71	264	2120622	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	2233030	89.54	PPB		
5) PHENOL-d6 SURR.	6.46	99	2679590	89.59	PPB		
20) NITROBENZENE-d5 SURR.	7.63	82	2786835	97.26	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	5584244	98.99	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	1138187	102.73	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	6020886	98.08	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.76	74	715732	52.04	PPB		96
3) PYRIDINE	3.74	79	1212282	53.10	PPB		97
6) PHENOL - CCC	6.48	94	1710868	52.57	PPB	#	83
7) aniline	6.50	93	1303329	42.82	PPB		86
8) BIS(2-CHLOROETHYL)ETHER	6.58	93	1730091	60.74	PPB		98
9) 2-CHLOROPHENOL	6.65	128	1539035	55.40	PPB		100
10) 1,3 DICHLOROBENZENE	6.83	146	1767948	52.01	PPB		99
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	1760376	52.47	PPB		98
12) benzyl alcohol	7.07	79	1382963	59.07	PPB		99
13) 1,2-DICHLOROBENZENE	7.13	146	1695694	51.64	PPB		98
14) 2-METHYLPHENOL	7.23	108	1278179	52.89	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	1613426	48.74	PPB		99
16) 4-METHYLPHENOL	7.43	107	1633394	54.56	PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.46	43	951790	50.09	PPB		98
18) HEXACHLOROETHANE	7.53	117	822637	50.85	PPB		98
21) NITROBENZENE	7.65	77	1745125	60.50	PPB		98
22) ISOPHORONE	7.95	82	3250967	57.36	PPB		99
23) 2,4 DIMETHYLPHENOL	8.11	107	1299295	60.28	PPB		99
24) benzoic acid	8.32	105	1045238	77.19	PPB		99
25) 2-NITROPHENOL - CCC	8.06	139	914360	53.62	PPB		99
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	1791039	54.44	PPB		100
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	1386744	60.83	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.48	180	1637067	57.10	PPB		99
29) NAPHTHALENE	8.57	128	4088266	57.19	PPB		99
30) 4-CHLOROANILINE	8.65	127	1437943	54.32	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.80	225	1044381	60.85	PPB		100
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	1497208	62.13	PPB		98
33) 2-METHYLNAPHTHALENE	9.48	142	2676386	58.51	PPB		100
34) 2-NITROANILINE	10.32	138	1090352	62.78	PPB		98
36) HEXACHLOROCYCLOPENTADIENE	9.78	237	1059770	67.89	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	1150530	62.19	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	1170801	61.25	PPB		98
40) 2-CHLORONAPHTHALENE	10.15	162	2897065	59.14	PPB		99
41) DIMETHYLPHTHALATE	10.59	163	3687584	60.44	PPB		99
42) 2,6 DINITROTOLUENE	10.68	165	908799	62.91	PPB		99
43) ACENAPHTHYLENE	10.72	152	4500046	59.62	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200909.d Vial: 10
Acq On : 20 Oct 109 2:31 pm Operator:
Sample : bna std 60 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

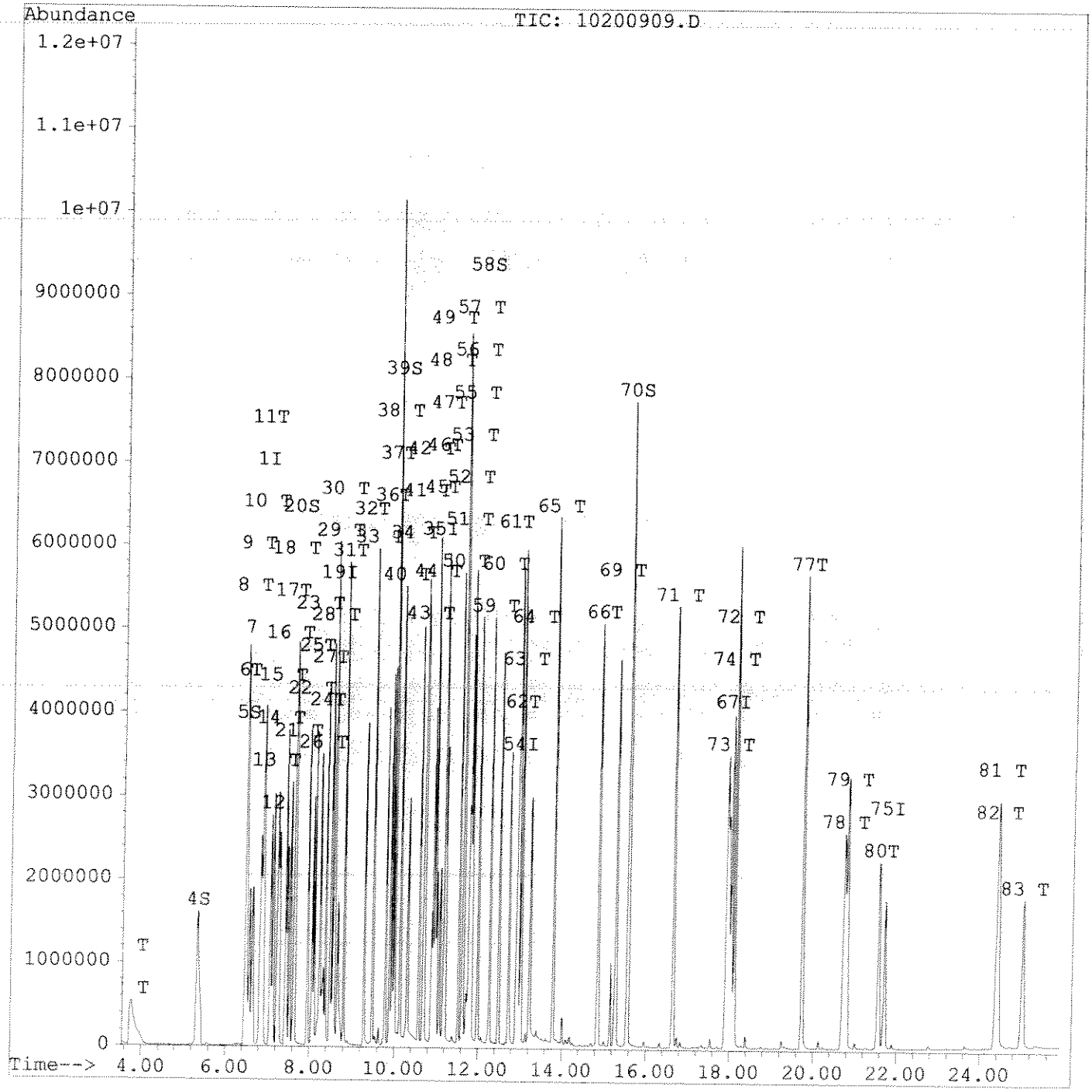
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	3-NITROANILINE	10.88	65	650967	47.49	PPB		96
45)	ACENAPHTHENE - CCC	10.96	153	2672041	61.05	PPB		100
46)	2,4-DINITROPHENOL - SPCC	11.00	184	572996	99.42	PPB		96
47)	4-NITROPHENOL - SPCC	11.08	139	677141	77.61	PPB		96
48)	DIBENZOFURAN	11.17	168	4105357	61.21	PPB		100
49)	2,4 DINITROTOLUENE	11.21	165	1240704	61.76	PPB		97
50)	DIETHYLPHTHLATE	11.54	149	3810225	60.45	PPB		98
51)	4-CHLOROPHENYLPHENYL ETHER	11.61	204	1978427	60.43	PPB		98
52)	FLUORENE	11.64	166	3185555	59.29	PPB		99
53)	4-NITROANILINE	11.71	138	374639	55.51	PPB		90
55)	4,6-DINITRO-2-METHYLPHENOL	11.76	198	817886	72.65	PPB	#	100
56)	N-NITROSODIPHENYLAMINE	11.80	168	1547882	57.96	PPB	#	99
57)	1,2 DIPHENYLHYDRAZINE	11.83	77	4172297	56.76	PPB		99
59)	4-BROMOPHENYLPHENYL ETHER	12.27	51	377083	56.56	PPB		99
60)	HEXACHLOROBENZENE	12.49	284	1270222	56.46	PPB		99
61)	PENTACHLOROPHENOL - CCC	12.73	266	822880	67.24	PPB		100
62)	PHENANTHRENE	12.96	178	4783694	57.26	PPB		99
63)	ANTHRACENE	13.01	178	4866743	57.42	PPB		100
64)	CARBAZOLE	13.24	167	3389439	48.91	PPB		99
65)	DI-N-BUTYLPHTHALATE	13.80	149	6698590	56.17	PPB		100
66)	FLUORANTHENE - CCC	14.86	202	5212035	58.98	PPB		99
68)	BENZIDINE	0.00	184		Not Detected			
69)	PYRENE	15.28	202	5110828	58.01	PPB		99
71)	BUTYLBENZYLPHTHALATE	16.66	149	2911515	56.74	PPB		98
72)	BIS(2-ETHYLHEXYL)PHTHALATE	18.11	149	4099315	55.59	PPB		99
73)	BENZO(A)ANTHRACENE	17.92	228	4603234	62.63	PPB		100
74)	CHRYSENE	18.03	228	4285194	61.56	PPB		100
76)	3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected			
77)	DI-N-OCTYL PHTHALATE - CCC	19.74	149	7084554	55.86	PPB		99
78)	BENZO(B)FLOURANTHENE	20.73	252	4389027	57.26	PPB		100
79)	BENZO(K)FLUORANTHENE	20.81	252	3582331	55.55	PPB	m	55
80)	BENZO(A)PYRENE - CCC	21.58	252	3256334	61.33	PPB		100
81)	DIBENZO(A,H)ANTHRACENE	24.44	278	3044985	61.70	PPB		98
82)	INDENO(1,2,3-CD)PYRENE	24.40	276	3674657	62.21	PPB		99
83)	BENZO(G,H,I)PERYLENE	25.03	276	2921874	61.76	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102009\10200909.d Vial: 10
Acq On : 20 Oct 109 2:31 pm Operator:
Sample : bna std 60 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200910.D Vial: 11
Acq On : 20 Oct 109 3:07 pm Operator:
Sample : bna std 80 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:36 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1109080	40.00	PPB		0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1916649	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1070005	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	1950585	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	1962129	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.70	264	1455098	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1537652	81.53	PPB		
5) PHENOL-d6 SURR.	6.46	99	1805531	79.83	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	1916652	91.65	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	4027742	101.00	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	781300	101.24	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	4277164	99.88	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.74	74	654468	62.93	PPB		95
3) PYRIDINE	3.72	79	1100369	63.73	PPB		97
6) PHENOL - CCC	6.48	94	1613483	65.56	PPB	#	79
7) aniline	6.50	93	1139339	49.50	PPB		83
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	1633417	75.83	PPB		97
9) 2-CHLOROPHENOL	6.64	128	1446668	68.87	PPB		100
10) 1,3 DICHLOROBENZENE	6.82	146	1611505	62.69	PPB		99
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	1645987	64.87	PPB		98
12) benzyl alcohol	7.06	79	1223330	69.10	PPB		99
13) 1,2-DICHLOROBENZENE	7.13	146	1647906	66.37	PPB		99
14) 2-METHYLPHENOL	7.22	108	1242012	67.96	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	1500480	59.95	PPB		100
16) 4-METHYLPHENOL	7.42	107	1561584	68.97	PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.46	43	900754	62.69	PPB		97
18) HEXACHLOROETHANE	7.53	117	786261	64.27	PPB		98
21) NITROBENZENE	7.65	77	1568483	74.51	PPB		98
22) ISOPHORONE	7.94	82	3171888	76.68	PPB		99
23) 2,4 DIMETHYLPHENOL	8.11	107	1192214	75.79	PPB		99
24) benzoic acid	8.32	105	990233	100.20	PPB		98
25) 2-NITROPHENOL - CCC	8.06	139	867994	69.74	PPB		88
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	1674800	69.74	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	1302275	78.27	PPB		97
28) 1,2,4 TRICHLOROBENZENE	8.48	180	1563788	74.73	PPB		99
29) NAPHTHALENE	8.57	128	3850922	73.80	PPB		99
30) 4-CHLOROANILINE	8.65	127	1394685	72.19	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	988853	78.94	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	1310893	74.53	PPB		99
33) 2-METHYLNAPHTHALENE	9.49	142	2541836	76.13	PPB		99
34) 2-NITROANILINE	10.31	138	1002693	79.10	PPB		98
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	981252	88.93	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	1117138	85.42	PPB		99
38) 2,4,5 TRICHLOROPHENOL	9.94	196	1078338	79.81	PPB		97
40) 2-CHLORONAPHTHALENE	10.14	162	2746055	79.30	PPB		99
41) DIMETHYLPHTHALATE	10.58	163	3477092	80.62	PPB		99
42) 2,6 DINITROTOLUENE	10.69	165	847722	83.02	PPB		99
43) ACENAPHTHYLENE	10.71	152	4245306	79.57	PPB		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200910.D Vial: 11
Acq On : 20 Oct 109 3:07 pm Operator:
Sample : bna std 80 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:36 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration

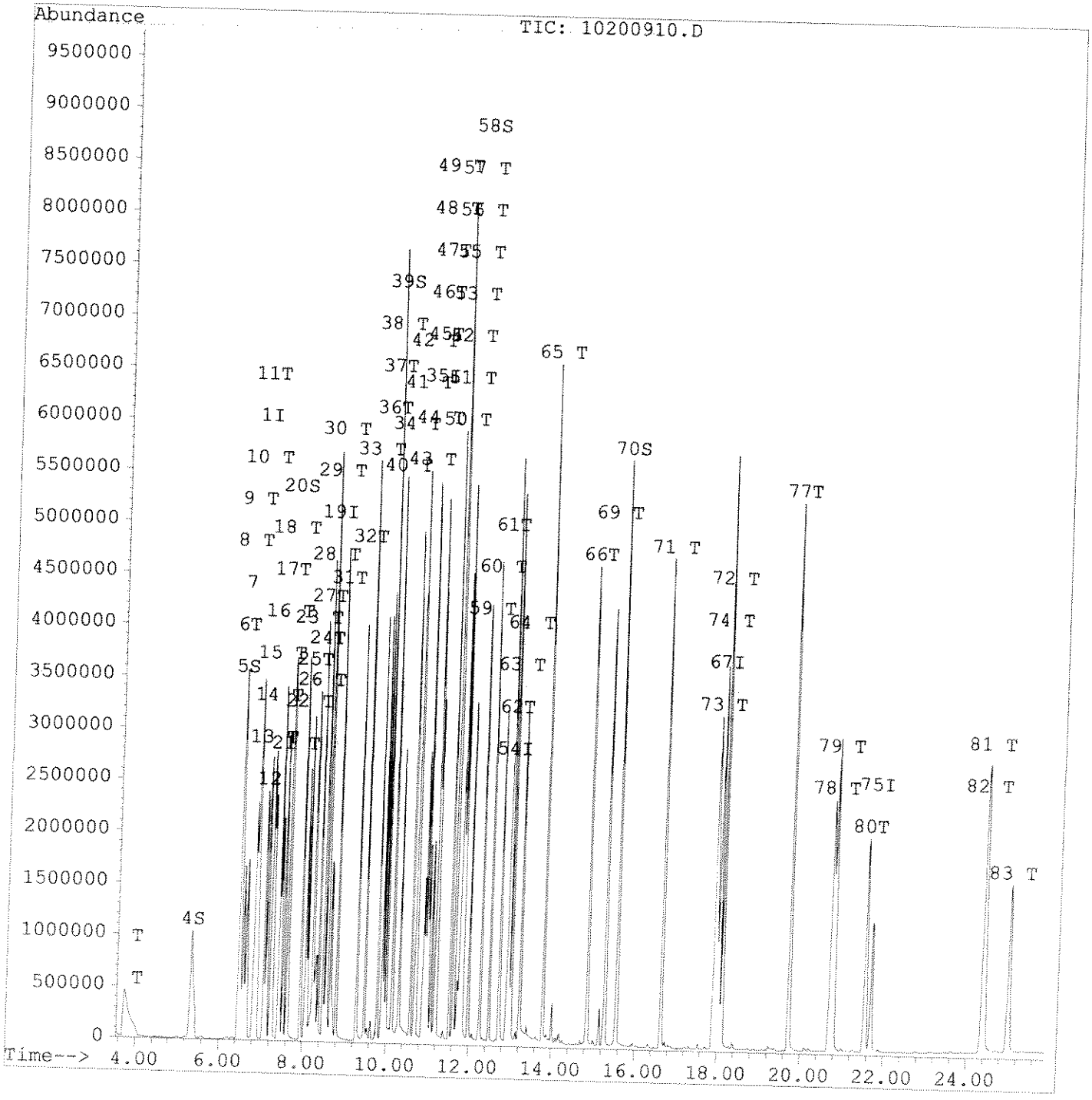
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.87	65	621925	64.18 PPB		97
45) ACENAPHTHENE - CCC	10.95	153	2485779	80.34 PPB		99
46) 2,4-DINITROPHENOL - SPCC	11.00	184	527574	129.50 PPB		97
47) 4-NITROPHENOL - SPCC	11.08	139	600004	97.28 PPB		99
48) DIBENZOFURAN	11.17	168	3780582	79.75 PPB		99
49) 2,4 DINITROTOLUENE	11.21	165	1167415	82.21 PPB		97
50) DIETHYLPHTHLATE	11.53	149	3440328	77.22 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.62	204	1832771	79.20 PPB		97
52) FLUORENE	11.63	166	2835405	74.65 PPB		99
53) 4-NITROANILINE	11.70	138	367571	77.04 PPB		93
55) 4,6-DINITRO-2-METHYLPHENOL	11.76	198	761876	97.15 PPB	#	99
56) N-NITROSODIPHENYLAMINE	11.79	168	1423072	76.50 PPB	#	100
57) 1,2 DIPHENYLHYDRAZINE	11.83	77	3784953	73.92 PPB		100
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	346972	74.71 PPB		98
60) HEXACHLOROBENZENE	12.49	284	1192972	76.12 PPB		100
61) PENTACHLOROPHENOL - CCC	12.72	266	772409	90.61 PPB		100
62) PHENANTHRENE	12.95	178	4441039	76.31 PPB		99
63) ANTHRACENE	13.02	178	4337499	73.46 PPB		100
64) CARBAZOLE	13.23	167	3149499	65.24 PPB		98
65) DI-N-BUTYLPHTHALATE	13.79	149	6242216	75.15 PPB		100
66) FLUORANTHENE - CCC	14.85	202	4907908	79.73 PPB		100
68) BENZIDINE	0.00	184		Not Detected		
69) PYRENE	15.28	202	4630028	75.34 PPB		99
71) BUTYLBENZYLPHTHALATE	16.65	149	2757039	77.03 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.11	149	3836365	74.58 PPB		99
73) BENZO(A)ANTHRACENE	17.92	228	4180368	81.53 PPB		99
74) CHRYSENE	18.03	228	3874458	79.79 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77) DI-N-OCTYL PHTHALATE - CCC	19.73	149	6612479	75.98 PPB		99
78) BENZO(B)FLOURANTHENE	20.73	252	4237511	80.56 PPB		99
79) BENZO(K)FLUORANTHENE	20.80	252	3566607	80.60 PPB	m	80
80) BENZO(A)PYRENE - CCC	21.57	252	2978776	81.76 PPB		99
81) DIBENZO(A,H)ANTHRACENE	24.43	278	2795841	82.57 PPB		97
82) INDENO(1,2,3-CD)PYRENE	24.39	276	3359354	82.88 PPB		100
83) BENZO(G,H,I)PERYLENE	25.02	276	2675235	82.41 PPB		100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200910.D Vial: 11
Acq On : 20 Oct 109 3:07 pm Operator:
Sample : bna std 80 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 20 15:36 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:21:43 2009
Response via : Single Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200911.D Vial: 4
Acq On : 20 Oct 109 3:44 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	95	0.00
2	T	N-NITROSODIMETHYLAMINE	0.372	0.365	2.0	92	-0.04
3	T	PYRIDINE	0.611	0.600	1.7	91	0.00
4	S	2-FLUOROPHENOL SURR.	0.666	0.679	-1.9	95	0.00
5	S	PHENOL-d6 SURR.	0.788	0.802	-1.8	93	0.00
6	T	PHENOL - CCC	0.891	0.906	-1.6	97	0.00
7		aniline	0.810	0.739	8.7	84	0.00
8	T	BIS(2-CHLOROETHYL)ETHER	0.817	0.886	-8.4	108	0.00
9	T	2-CHLOROPHENOL	0.777	0.788	-1.4	99	0.00
10	T	1,3 DICHLOROBENZENE	0.886	0.885	0.1	90	0.00
11	T	1,4 DICHLOROBENZENE - CCC	0.915	0.998	-9.0	103	0.00
12		benzyl alcohol	0.643	0.654	-1.8	97	0.00
13	T	1,2-DICHLOROBENZENE	0.894	0.931	-4.1	98	0.00
14	T	2-METHYLPHENOL	0.656	0.671	-2.4	97	0.00
15	T	BIS(2-CHLOROISOPROPYL)ETHER	0.852	0.848	0.5	89	0.00
16	T	4-METHYLPHENOL	0.827	0.858	-3.8	100	0.00
17	T	N-NITROSO-DI-N-PROPYLAMINE	0.480	0.482	-0.5	88	0.00
18	T	HEXACHLOROETHANE	0.421	0.446	-6.0	96	0.00
19	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	99	0.00
20	S	NITROBENZENE-d5 SURR.	0.404	0.408	-1.2	92	0.00
21	T	NITROBENZENE	0.446	0.433	3.1	97	0.00
22	T	ISOPHORONE	0.833	0.842	-1.1	96	0.00
23	T	2,4 DIMETHYLPHENOL	0.327	0.324	0.8	97	0.00
24	T	benzoic acid	0.219	0.218	0.6	104	0.01
25	T	2-NITROPHENOL - CCC	0.233	0.252	-8.3	96	0.00
26	T	BIS(2-CHLOROETHOXY)METHANE	0.457	0.477	-4.3	94	0.00
27	T	2,4 DICHLOROPHENOL - CCC	0.344	0.357	-3.9	101	0.00
28	T	1,2,4 TRICHLOROBENZENE	0.420	0.438	-4.5	99	0.00
29	T	NAPHTHALENE	1.065	1.070	-0.5	97	0.00
30	T	4-CHLOROANILINE	0.386	0.400	-3.5	98	0.00
31	T	HEXACHLOROBUTADIENE - CCC	0.263	0.279	-6.1	105	0.00
32	T	4-CHLORO-3-METHYLPHENOL - C	0.352	0.365	-3.5	98	0.00
33	T	2-METHYLNAPHTHALENE	0.687	0.685	0.4	97	0.00
34	T	2-NITROANILINE	0.251	0.267	-6.7	100	0.00
35	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	95	0.00
36	T	HEXACHLOROCYCLOPENTADIENE -	0.392	0.453	-15.3	104	0.00
37	T	2,4,6-TRICHLOROPHENOL - CCC	0.500	0.526	-5.1	102	0.00
38	T	2,4,5 TRICHLOROPHENOL	0.501	0.530	-5.7	99	0.00
39	S	2-FLUOROBIPHENYL SURR.	1.483	1.560	-5.2	99	0.00
40	T	2-CHLORONAPHTHALENE	1.310	1.366	-4.3	100	0.00
41	T	DIMETHYLPHTHALATE	1.598	1.674	-4.7	98	0.00
42	T	2,6 DINITROTOLUENE	0.378	0.402	-6.3	100	0.00
43	T	ACENAPHTHYLENE	1.997	2.103	-5.3	100	0.00
44	T	3-NITROANILINE	0.323	0.394	-22.1#	103	0.00
45	T	ACENAPHTHENE - CCC	1.189	1.188	0.1	97	0.00
46	T	2,4-DINITROPHENOL - SPCC	0.185	0.186	-0.4	115	0.00
47	T	4-NITROPHENOL - SPCC	0.232	0.265	-14.2	109	0.00
48	T	DIBENZOFURAN	1.826	1.866	-2.2	100	0.00
49	T	2,4 DINITROTOLUENE	0.490	0.548	-11.9	98	0.00
50	T	DIETHYLPHTHLATE	1.666	1.761	-5.7	100	0.00
51	T	4-CHLOROPHENYLPHENYL ETHER	0.874	0.919	-5.2	100	0.00
52	T	FLUORENE	1.407	1.441	-2.4	96	-0.01

53 T	4-NITROANILINE	0.179	0.191	-6.3	101	0.00
54 I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	99	0.00
55 T	4,6-DINITRO-2-METHYLPHENOL	0.148	0.171	-15.2	105	0.00
56 T	N-NITROSODIPHENYLAMINE	0.365	0.380	-4.1	99	0.00
57 T	1,2 DIPHENYLHYDRAZINE	0.973	1.029	-5.8	97	0.00
58 S	2,4,6 TRIBROMOPHENOL SURR.	0.158	0.167	-5.7	105	0.00
59 T	4-BROMOPHENYLPHENYL ETHER	0.089	0.096	-8.5	100	0.00
60 T	HEXACHLOROBENZENE	0.311	0.332	-6.6	103	0.00
61 T	PENTACHLOROPHENOL - CCC	0.165	0.184	-11.6	105	0.00
62 T	PHENANTHRENE	1.141	1.147	-0.5	96	0.00
63 T	ANTHRACENE	1.161	1.177	-1.4	97	0.00
64 T	CARBAZOLE	0.907	1.001	-10.3	101	0.00
65 T	DI-N-BUTYLPHTHALATE	1.610	1.717	-6.7	100	0.00
66 T	FLUORANTHENE - CCC	1.239	1.240	-0.1	98	0.00
67 I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	98	-0.01
69 T	PYRENE	1.221	1.259	-3.1	98	0.00
70 S	TERPHENYL-d14 SURR.	0.853	0.910	-6.7	102	0.00
71 T	BUTYLBENZYLPHTHALATE	0.687	0.757	-10.2	102	0.00
72 T	BIS(2-ETHYLHEXYL)PHTHALATE	1.014	1.047	-3.2	98	0.00
73 T	BENZO(A)ANTHRACENE	1.059	1.091	-3.0	102	0.00
74 T	CHRYSENE	0.989	1.019	-3.1	101	0.00
75 I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	100	-0.01
77 T	DI-N-OCTYL PHTHALATE - CCC	2.194	2.396	-9.2	100	0.00
78 T	BENZO(B)FLOURANTHENE	1.357	1.445	-6.5	100	0.00
79 T	BENZO(K)FLUORANTHENE	1.222	1.259	-3.0	103	0.00
80 T	BENZO(A)PYRENE - CCC	0.986	1.026	-4.0	102	0.00
81 T	DIBENZO(A,H)ANTHRACENE	0.897	0.915	-2.0	98	0.00
82 T	INDENO(1,2,3-CD)PYRENE	1.076	1.102	-2.4	99	0.00
83 T	BENZO(G,H,I)PERYLENE	0.879	0.879	-0.0	98	0.00

(#) = Out of Range

10200903.D G2102009.M

SPCC's out = 0 CCC's out = 0

Wed Oct 21 10:02:16 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200911.D Vial: 4
Acq On : 20 Oct 109 3:44 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 10:02 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	871818	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1771353	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	983196	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	1815827	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.94	240	1781169	40.00	PPB		-0.01
75) PERYLENE-d12 INT. STD.	21.69	264	1325372	40.00	PPB		-0.01
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1480189	101.90	PPB		
5) PHENOL-d6 SURR.	6.45	99	1748962	101.83	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	1808031	101.17	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	3834935	105.23	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	755919	105.69	PPB		
70) TERPHENYL-d14 SURR.	15.56	244	4053420	106.66	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.72	74	238577	29.39	PPB		96
3) PYRIDINE	3.72	79	392570	29.49	PPB	#	100
6) PHENOL - CCC	6.47	94	592264	30.49	PPB		99
7) aniline	6.50	93	483362	27.39	PPB	#	6
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	579172	32.51	PPB		94
9) 2-CHLOROPHENOL	6.64	128	515012	30.42	PPB		99
10) 1,3 DICHLOROBENZENE	6.82	146	578603	29.97	PPB		99
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	652264	32.71	PPB		99
12) benzyl alcohol	7.06	79	427659	30.53	PPB		97
13) 1,2-DICHLOROBENZENE	7.13	146	608583	31.24	PPB		98
14) 2-METHYLPHENOL	7.22	108	439069	30.73	PPB		97
15) BIS(2-CHLOROISOPROPYL)ETHE	7.26	45	554494	29.85	PPB		94
16) 4-METHYLPHENOL	7.41	107	561155	31.15	PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.45	43	315245	30.15	PPB		99
18) HEXACHLOROETHANE	7.53	117	291680	31.79	PPB		97
21) NITROBENZENE	7.63	77	574861	29.07	PPB		100
22) ISOPHORONE	7.94	82	1118483	30.32	PPB		99
23) 2,4 DIMETHYLPHENOL	8.09	107	430579	29.77	PPB		98
24) benzoic acid	8.24	105	289835	29.83	PPB		96
25) 2-NITROPHENOL - CCC	8.06	139	335094	32.48	PPB		98
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	633438	31.30	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	474902	31.18	PPB		100
28) 1,2,4 TRICHLOROBENZENE	8.48	180	582472	31.34	PPB		99
29) NAPHTHALENE	8.56	128	1421614	30.14	PPB		99
30) 4-CHLOROANILINE	8.65	127	531615	31.06	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	370005	31.82	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	484328	31.06	PPB		99
33) 2-METHYLNAPHTHALENE	9.48	142	909733	29.89	PPB		99
34) 2-NITROANILINE	10.30	138	355226	32.00	PPB		98
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	333726	34.59	PPB		99
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	387823	31.53	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	390684	31.72	PPB		98
40) 2-CHLORONAPHTHALENE	10.13	162	1007394	31.29	PPB		99
41) DIMETHYLPHTHALATE	10.58	163	1234356	31.42	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	296589	31.88	PPB		99
43) ACENAPHTHYLENE	10.71	152	1550627	31.58	PPB		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200911.D Vial: 4
Acq On : 20 Oct 109 3:44 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 10:02 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

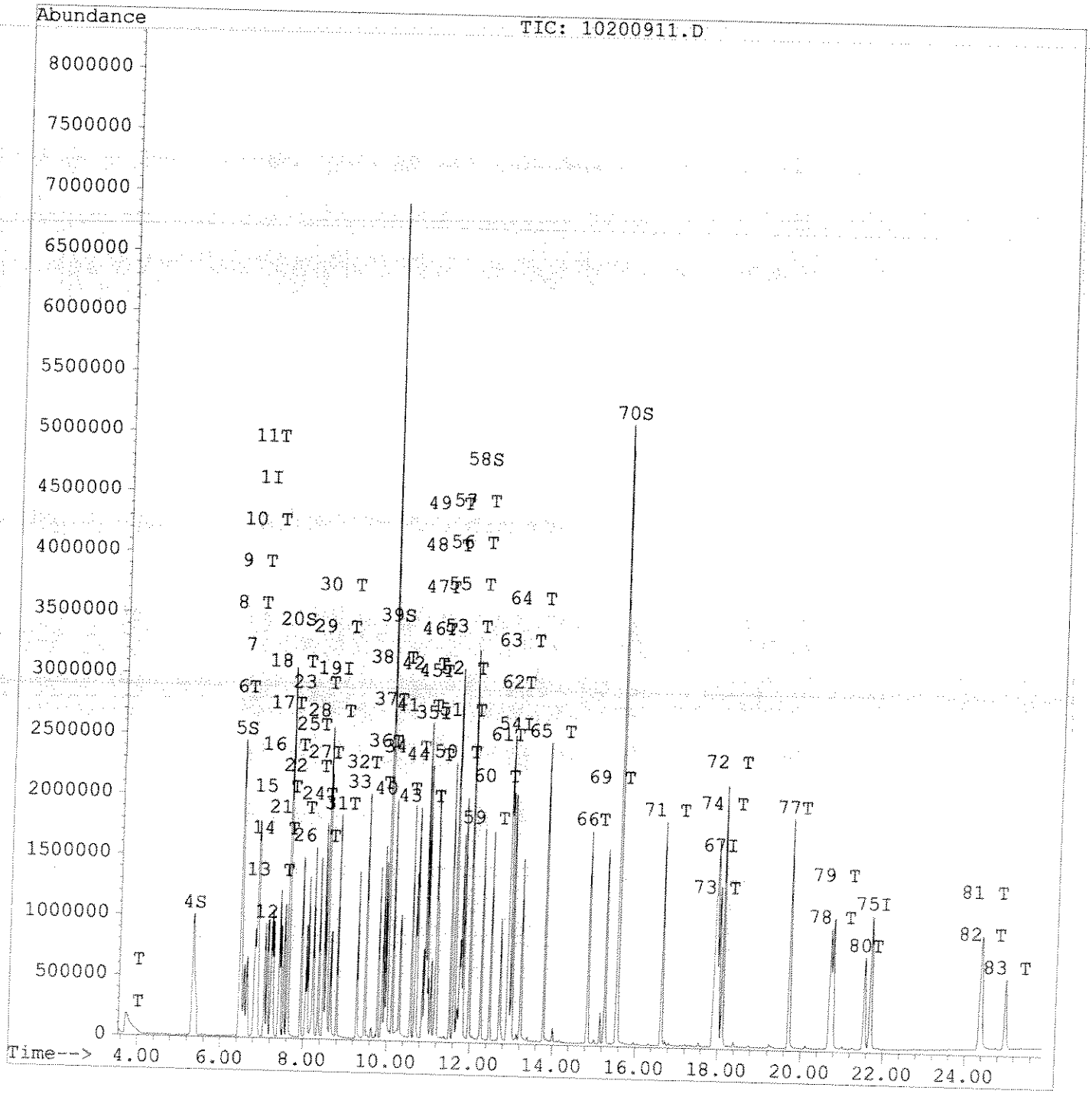
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.86	65	290685	36.63 PPB		99
45) ACENAPHTHENE - CCC	10.95	153	875933	29.96 PPB		98
46) 2,4-DINITROPHENOL - SPCC	10.99	184	137023	30.11 PPB	#	98
47) 4-NITROPHENOL - SPCC	11.06	139	195576	34.26 PPB		97
48) DIBENZOFURAN	11.16	168	1375734	30.65 PPB		100
49) 2,4 DINITROTOLUENE	11.20	165	403879	33.56 PPB		98
50) DIETHYLPHTHLATE	11.52	149	1298556	31.71 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	677690	31.55 PPB		96
52) FLUORENE	11.62	166	1062672	30.72 PPB		100
53) 4-NITROANILINE	11.69	138	140549	31.89 PPB	#	84
55) 4,6-DINITRO-2-METHYLPHENOL	11.74	198	232267	34.55 PPB	#	96
56) N-NITROSODIPHENYLAMINE	11.77	168	517055	31.24 PPB		99
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	1401664	31.74 PPB		100
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	131044	32.56 PPB		94
60) HEXACHLOROBENZENE	12.48	284	451955	31.99 PPB		99
61) PENTACHLOROPHENOL - CCC	12.72	266	250581	33.49 PPB		97
62) PHENANTHRENE	12.94	178	1562625	30.16 PPB		99
63) ANTHRACENE	13.00	178	1603138	30.41 PPB		100
64) CARBAZOLE	13.23	167	1363401	33.10 PPB		99
65) DI-N-BUTYLPHTHALATE	13.79	149	2338864	32.00 PPB		100
66) FLUORANTHENE - CCC	14.85	202	1688514	30.03 PPB		99
68) BENZIDINE	0.00	184		Not Detected		
69) PYRENE	15.27	202	1681527	30.93 PPB		99
71) BUTYLBENZYLPHTHALATE	16.64	149	1011371	33.07 PPB		98
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.10	149	1398549	30.96 PPB		99
73) BENZO(A)ANTHRACENE	17.90	228	1457458	30.91 PPB		99
74) CHRYSENE	18.01	228	1361375	30.92 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77) DI-N-OCTYL PHTHALATE - CCC	19.72	149	2381241	32.76 PPB		99
78) BENZO(B)FLOURANTHENE	20.70	252	1435923	31.94 PPB		96
79) BENZO(K)FLUORANTHENE	20.77	252	1251434	30.91 PPB	m	55
80) BENZO(A)PYRENE - CCC	21.55	252	1019703	31.20 PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.40	278	909853	30.61 PPB		99
82) INDENO(1,2,3-CD)PYRENE	24.37	276	1095607	30.73 PPB		99
83) BENZO(G,H,I)PERYLENE	24.99	276	873403	30.00 PPB		98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102009\10200911.D Vial: 4
Acq On : 20 Oct 109 3:44 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 10:02 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



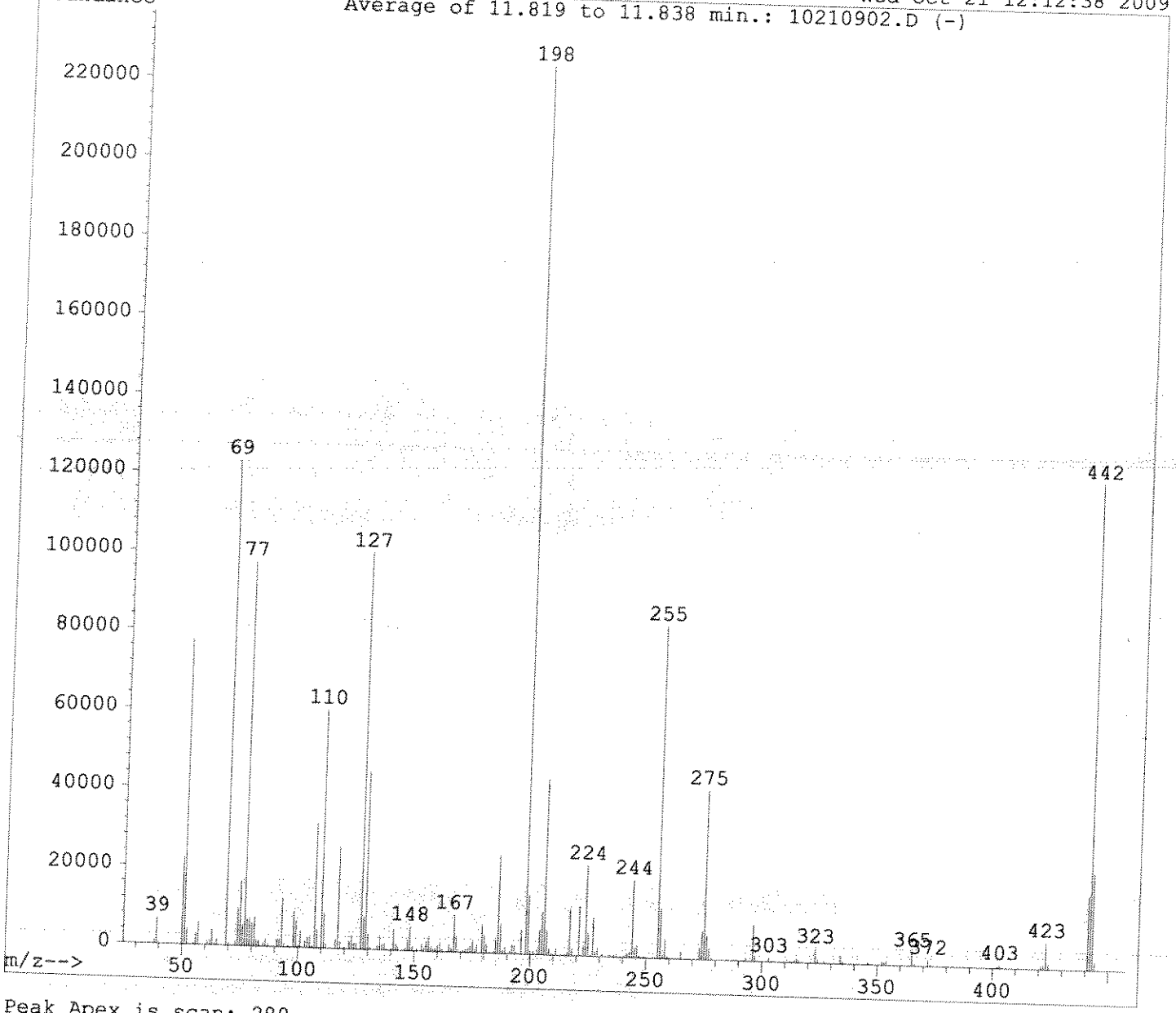
Date	Sample ID	Matrix	Sample Initial Vol	Final Vol	Vial ID & Dil	Method	Initial pH	Final pH	Comments
	294349	W	1000ml	1ml	4349 x 1	BN	<2	>12	
10.19.09									
10.20.09	BNA Blk	W	1000ml	1ml	Blk x 1	BNA	<2	<2 >12	
	SPK				SPK x 1				AT[illegible]
	SPK				SPK x 1				RU[illegible]
	LCS				LCS x 1				
	294399				4399 x 1				
	294403.02				4403.02 x 1				
	.04				.04 x 1				
	.06				.06 x 1	BNA		<2,>12	
	294317	W	1000ml	1ml	4317 x 1	AE	<2	<2	
10-20-09	508 Blk				Blk x 2	508		<2	
	SPK				SPK x 2				Int.
	SPK				SPK x 2				# 2
	LCS		1000ml		LCS x 2				Int. #
	294336.01		2000ml		4336.01 x 1				
	294336.12				.12 x 1				
	.13				.13 x 1				
	.14		2000ml		.14 x 1				
	WS 4099.11		1000ml		4099.11 x 4				Ampul 27[illegible]
	UVS4099.11	W			4099.11 x 4				Input 27[illegible]

Crescent Chemical Co., Inc.
9-10-09
Surrogate Standard
Exp. Date: 08/31/11
Storage: 4°C
For Laboratory And Research Use Only

Initial pH	final pH	Comments	ASE/Sonic	Surrogate Added	Analyst	Sample ID
n7	SK		NA	100ul BN	JS	294349
n7	<2, >12		NA	100ul BN, 50ul AE	RS	BNA BLK
		ATD# 40				SPK
		209-1				SPK
						LCS
						294399
						294403.02
						.04
	<2, >12			100ul BN, 50ul AE		.06
n7	<2		NA	50ul AE	RS	294317
	n7			50ul 508	RS/JS	508 BLK
		Int. #2				SPK
						SPK
		Int. #1				LCS
						294336.01
						.12
						.13
					RS/JS	.14
		Ampl 2707A			RS	[illegible]
		Ampl 2707A			JS	[illegible]

C:\HPCHEM\1\DATA\OCT09\102109\10210902.D

Wed Oct 21 12:12:38 2009



Peak Apex is scan: 289

Average of 3 scans: 288,289,290 minus background scan 285

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	34.5	PASS
68	69	0	2	0.0	PASS
69	198	0	100	54.7	PASS
70	69	0	2	0.4	PASS
127	198	40	60	44.7	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.6	PASS
275	198	10	30	19.1	PASS
365	198	1	100	1.5	PASS
441	443	0	100	77.4	PASS
442	198	40	100	54.8	PASS
443	442	17	23	19.8	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210904.D Vial: 4
Acq On : 21 Oct 109 12:58 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	115	0.01
2	T	N-NITROSODIMETHYLAMINE	0.372	0.369	0.8	113	-0.01
3	T	PYRIDINE	0.611	0.630	-3.1	116	0.00
4	S	2-FLUOROPHENOL SURR.	0.666	0.691	-3.6	116	0.00
5	S	PHENOL-d6 SURR.	0.788	0.803	-1.9	113	0.00
6	T	PHENOL - CCC	0.891	0.903	-1.3	117	0.00
7		aniline	0.810	0.778	3.9	107	0.00
8	T	BIS(2-CHLOROETHYL)ETHER	0.817	0.871	-6.6	128	0.00
9	T	2-CHLOROPHENOL	0.777	0.804	-3.5	122	0.00
10	T	1,3 DICHLOROBENZENE	0.886	0.922	-4.1	114	0.00
11	T	1,4 DICHLOROBENZENE - CCC	0.915	0.959	-4.8	120	0.00
12		benzyl alcohol	0.643	0.670	-4.3	120	0.01
13	T	1,2-DICHLOROBENZENE	0.894	0.921	-3.0	118	0.00
14	T	2-METHYLPHENOL	0.656	0.671	-2.4	117	0.00
15	T	BIS(2-CHLOROISOPROPYL)ETHER	0.852	0.946	-10.9	120	0.00
16	T	4-METHYLPHENOL	0.827	0.857	-3.7	120	0.00
17	T	N-NITROSO-DI-N-PROPYLAMINE	0.480	0.506	-5.5	112	0.00
18	T	HEXACHLOROETHANE	0.421	0.438	-4.0	114	0.00
19	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	121	0.00
20	S	NITROBENZENE-d5 SURR.	0.404	0.404	-0.2	112	0.00
21	T	NITROBENZENE	0.446	0.435	2.7	120	0.00
22	T	ISOPHORONE	0.833	0.843	-1.2	118	0.00
23	T	2,4 DIMETHYLPHENOL	0.327	0.320	2.0	118	0.00
24	T	benzoic acid	0.219	0.202	7.8	119	0.02
25	T	2-NITROPHENOL - CCC	0.233	0.257	-10.2	120	0.00
26	T	BIS(2-CHLOROETHOXY)METHANE	0.457	0.465	-1.7	113	0.00
27	T	2,4 DICHLOROPHENOL - CCC	0.344	0.352	-2.3	123	0.01
28	T	1,2,4 TRICHLOROBENZENE	0.420	0.425	-1.4	118	0.00
29	T	NAPHTHALENE	1.065	1.058	0.7	118	0.00
30	T	4-CHLOROANILINE	0.386	0.378	2.3	114	0.01
31	T	HEXACHLOROBUTADIENE - CCC	0.263	0.276	-4.9	128	0.00
32	T	4-CHLORO-3-METHYLPHENOL - C	0.352	0.359	-1.9	119	0.00
33	T	2-METHYLNAPHTHALENE	0.687	0.697	-1.4	121	0.00
34	T	2-NITROANILINE	0.251	0.271	-8.1	124	0.00
35	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	117	0.01
36	T	HEXACHLOROCYCLOPENTADIENE -	0.392	0.446	-13.6	127	0.00
37	T	2,4,6-TRICHLOROPHENOL - CCC	0.500	0.524	-4.7	126	0.00
38	T	2,4,5 TRICHLOROPHENOL	0.501	0.527	-5.1	122	0.00
39	S	2-FLUOROBIPHENYL SURR.	1.483	1.492	-0.6	118	0.00
40	T	2-CHLORONAPHTHALENE	1.310	1.354	-3.3	122	0.00
41	T	DIMETHYLPHTHALATE	1.598	1.663	-4.0	121	0.00
42	T	2,6 DINITROTOLUENE	0.378	0.422	-11.4	129	0.00
43	T	ACENAPHTHYLENE	1.997	2.097	-5.0	123	0.00
44	T	3-NITROANILINE	0.323	0.392	-21.3#	127	0.00
45	T	ACENAPHTHENE - CCC	1.189	1.205	-1.3	122	0.00
46	T	2,4-DINITROPHENOL - SPCC	0.185	0.187	-0.8	143	0.00
47	T	4-NITROPHENOL - SPCC	0.232	0.254	-9.5	129	0.01
48	T	DIBENZOFURAN	1.826	1.853	-1.5	122	0.00
49	T	2,4 DINITROTOLUENE	0.490	0.543	-10.9	120	0.00
50	T	DIETHYLPHTHLATE	1.666	1.807	-8.5	127	0.01
51	T	4-CHLOROPHENYLPHENYL ETHER	0.874	0.928	-6.1	126	0.00
52	T	FLUORENE	1.407	1.454	-3.4	120	0.00

53 T	4-NITROANILINE	0.179	0.178	1.0	117	0.00
54 I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	124	0.00
55 T	4,6-DINITRO-2-METHYLPHENOL	0.148	0.170	-14.7	131	0.00
56 T	N-NITROSODIPHENYLAMINE	0.365	0.382	-4.7	124	0.00
57 T	1,2 DIPHENYLHYDRAZINE	0.973	1.042	-7.1	123	0.00
58 S	2,4,6 TRIBROMOPHENOL SURR.	0.158	0.161	-2.3	127	0.00
59 T	4-BROMOPHENYLPHENYL ETHER	0.089	0.096	-8.3	125	0.00
60 T	HEXACHLOROBENZENE	0.311	0.323	-3.9	125	0.00
61 T	PENTACHLOROPHENOL - CCC	0.165	0.185	-12.5	132	0.00
62 T	PHENANTHRENE	1.141	1.166	-2.1	121	0.00
63 T	ANTHRACENE	1.161	1.156	0.5	119	0.00
64 T	CARBAZOLE	0.907	0.948	-4.5	119	0.00
65 T	DI-N-BUTYLPHTHALATE	1.610	1.686	-4.7	123	0.00
66 T	FLUORANTHENE - CCC	1.239	1.279	-3.2	126	0.01
67 I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	127	0.00
69 T	PYRENE	1.221	1.210	0.9	123	0.00
70 S	TERPHENYL-d14 SURR.	0.853	0.865	-1.4	126	0.00
71 T	BUTYLBENZYLPHTHALATE	0.687	0.708	-3.0	123	0.00
72 T	BIS(2-ETHYLHEXYL)PHTHALATE	1.014	1.003	1.1	122	0.00
73 T	BENZO(A)ANTHRACENE	1.059	1.064	-0.5	130	0.00
74 T	CHRYSENE	0.989	1.000	-1.2	129	0.00
75 I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	131	0.00
77 T	DI-N-OCTYL PHTHALATE - CCC	2.194	2.295	-4.6	126	0.00
78 T	BENZO(B)FLOURANTHENE	1.357	1.340	1.3	121	0.00
79 T	BENZO(K)FLUORANTHENE	1.222	1.311	-7.3	141	0.00
80 T	BENZO(A)PYRENE - CCC	0.986	1.016	-2.9	133	0.00
81 T	DIBENZO(A,H)ANTHRACENE	0.897	0.960	-7.1	135	0.00
82 T	INDENO(1,2,3-CD)PYRENE	1.076	1.154	-7.2	136	0.00
83 T	BENZO(G,H,I)PERYLENE	0.879	0.927	-5.5	136	0.00

(#) = Out of Range

10200903.D G2102009.M SPCC's out = 0 CCC's out = 0 Wed Oct 21 13:30:16 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210904.D Vial: 4
Acq On : 21 Oct 109 12:58 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 13:29 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1054206	40.00	PPB	0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	2182284	40.00	PPB	0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	1217986	40.00	PPB	0.01
54) PHENANTHRENE-d10 INT. STD.	12.91	188	2268686	40.00	PPB	0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	2314364	40.00	PPB	0.00
75) PERYLENE-d12 INT. STD.	21.71	264	1744411	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	1820198	103.63	PPB	
5) PHENOL-d6 SURR.	6.46	99	2115814	101.88	PPB	
20) NITROBENZENE-d5 SURR.	7.62	82	2205515	100.17	PPB	
39) 2-FLUOROBIPHENYL SURR.	10.00	172	4543542	100.64	PPB	
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	914536	102.34	PPB	
70) TERPHENYL-d14 SURR.	15.57	244	5006411	101.38	PPB	
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	292007	29.75	PPB	95
3) PYRIDINE	3.72	79	497816	30.92	PPB #	100
6) PHENOL - CCC	6.47	94	713767	30.38	PPB	100
7) aniline	6.50	93	614799	28.82	PPB	91
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	688847	31.98	PPB	93
9) 2-CHLOROPHENOL	6.65	128	635812	31.06	PPB	99
10) 1,3 DICHLOROBENZENE	6.82	146	729201	31.23	PPB	99
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	758110	31.44	PPB	99
12) benzyl alcohol	7.07	79	530029	31.29	PPB	98
13) 1,2-DICHLOROBENZENE	7.13	146	727886	30.90	PPB	99
14) 2-METHYLPHENOL	7.22	108	530742	30.72	PPB	99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	747678	33.28	PPB	97
16) 4-METHYLPHENOL	7.41	107	677978	31.12	PPB	99
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	400031	31.64	PPB	99
18) HEXACHLOROETHANE	7.52	117	346112	31.20	PPB	96
21) NITROBENZENE	7.64	77	711223	29.20	PPB	99
22) ISOPHORONE	7.94	82	1379545	30.35	PPB	100
23) 2,4 DIMETHYLPHENOL	8.10	107	524174	29.41	PPB	99
24) benzoic acid	8.25	105	330909	27.65	PPB	97
25) 2-NITROPHENOL - CCC	8.05	139	420299	33.07	PPB	99
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	760974	30.52	PPB	99
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	576131	30.70	PPB	99
28) 1,2,4 TRICHLOROBENZENE	8.48	180	696300	30.41	PPB	99
29) NAPHTHALENE	8.57	128	1731517	29.80	PPB	100
30) 4-CHLOROANILINE	8.66	127	618026	29.31	PPB	100
31) HEXACHLOROBUTADIENE - CCC	8.81	225	450966	31.48	PPB	99
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	587226	30.57	PPB	100
33) 2-METHYLNAPHTHALENE	9.48	142	1141060	30.43	PPB	99
34) 2-NITROANILINE	10.30	138	443580	32.43	PPB	99
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	407143	34.07	PPB	99
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	478797	31.42	PPB	98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	481224	31.54	PPB	98
40) 2-CHLORONAPHTHALENE	10.14	162	1236420	31.00	PPB	99
41) DIMETHYLPHTHALATE	10.58	163	1519002	31.21	PPB	100
42) 2,6 DINITROTOLUENE	10.68	165	385167	33.42	PPB	97
43) ACENAPHTHYLENE	10.71	152	1915800	31.50	PPB	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210904.D Vial: 4
Acq On : 21 Oct 109 12:58 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 13:29 19109

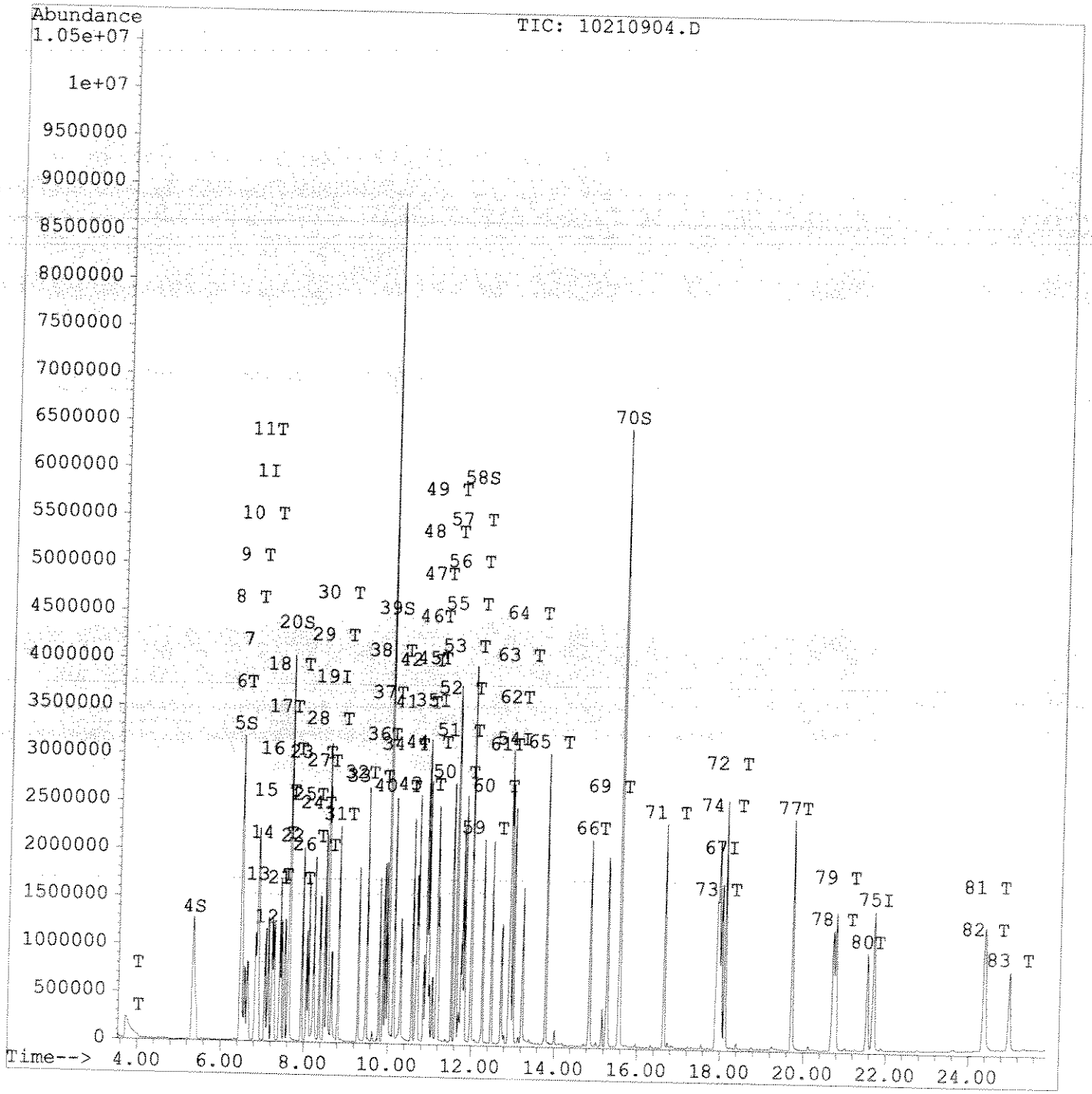
Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.86	65	357777	36.39 PPB		99
45) ACENAPHTHENE - CCC	10.95	153	1100743	30.40 PPB		100
46) 2,4-DINITROPHENOL - SPCC	10.99	184	170388	30.23 PPB	#	98
47) 4-NITROPHENOL - SPCC	11.07	139	232356	32.86 PPB		99
48) DIBENZOFURAN	11.16	168	1692560	30.44 PPB		100
49) 2,4 DINITROTOLUENE	11.20	165	496114	33.27 PPB		98
50) DIETHYLPHTHLATE	11.53	149	1650929	32.55 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.62	204	847381	31.84 PPB		98
52) FLUORENE	11.63	166	1328565	31.01 PPB		100
53) 4-NITROANILINE	11.70	138	162167	29.70 PPB		93
55) 4,6-DINITRO-2-METHYLPHENOL	11.75	198	288939	34.40 PPB	#	96
56) N-NITROSODIPHENYLAMINE	11.78	168	649449	31.41 PPB		98
57) 1,2 DIPHENYLHYDRAZINE	11.83	77	1773418	32.14 PPB		99
59) 4-BROMOPHENYLPHENYL ETHER	12.27	51	163308	32.48 PPB		97
60) HEXACHLOROBENZENE	12.49	284	550294	31.18 PPB		99
61) PENTACHLOROPHENOL - CCC	12.73	266	315555	33.75 PPB		98
62) PHENANTHRENE	12.94	178	1983830	30.64 PPB		100
63) ANTHRACENE	13.01	178	1966578	29.86 PPB		100
64) CARBAZOLE	13.23	167	1612814	31.34 PPB		100
65) DI-N-BUTYLPHTHALATE	13.79	149	2869274	31.42 PPB		100
66) FLUORANTHENE - CCC	14.86	202	2175567	30.97 PPB		99
68) BENZIDINE	0.00	184		Not Detected		
69) PYRENE	15.27	202	2100904	29.74 PPB		100
71) BUTYLBENZYLPHTHALATE	16.65	149	1228355	30.91 PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.11	149	1741566	29.67 PPB		99
73) BENZO(A)ANTHRACENE	17.91	228	1846779	30.15 PPB		99
74) CHRYSENE	18.02	228	1735824	30.35 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		
77) DI-N-OCTYL PHTHALATE - CCC	19.72	149	3001969	31.38 PPB		99
78) BENZO(B)FLOURANTHENE	20.71	252	1752821	29.62 PPB		96
79) BENZO(K)FLUORANTHENE	20.78	252	1715626	32.20 PPB	m	55
80) BENZO(A)PYRENE - CCC	21.55	252	1328686	30.88 PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.40	278	1256538	32.12 PPB		100
82) INDENO(1,2,3-CD)PYRENE	24.37	276	1509348	32.16 PPB		99
83) BENZO(G,H,I)PERYLENE	24.99	276	1213157	31.66 PPB		98

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

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210904.D Vial: 4
Acq On : 21 Oct 109 12:58 pm Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 13:29 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210906.D Vial: 3
Acq On : 21 Oct 109 2:13 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	101	-0.02
2	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	101	-0.02
3	S	NITROBENZENE-d5 SURR.	0.394	0.397	-0.8	98	-0.02
4	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	104	-0.01
5	S	2-FLUOROBIPHENYL SURR.	1.492	1.489	0.2	97	-0.02
6	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	104	-0.02
7	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	100	-0.04
8	T	BENZIDINE	0.654	0.656	-0.2	104	-0.04
9	S	TERPHENYL-d14 SURR.	0.846	0.901	-6.5	106	-0.02
10	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	101	-0.03
11	T	3,3'-DICHLOROBENZIDINE	0.536	0.550	-2.6	103	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
10130904.D BZ101309.M Thu Oct 22 09:59:53 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210906.D Vial: 3
Acq On : 21 Oct 109 2:13 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 14:39 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

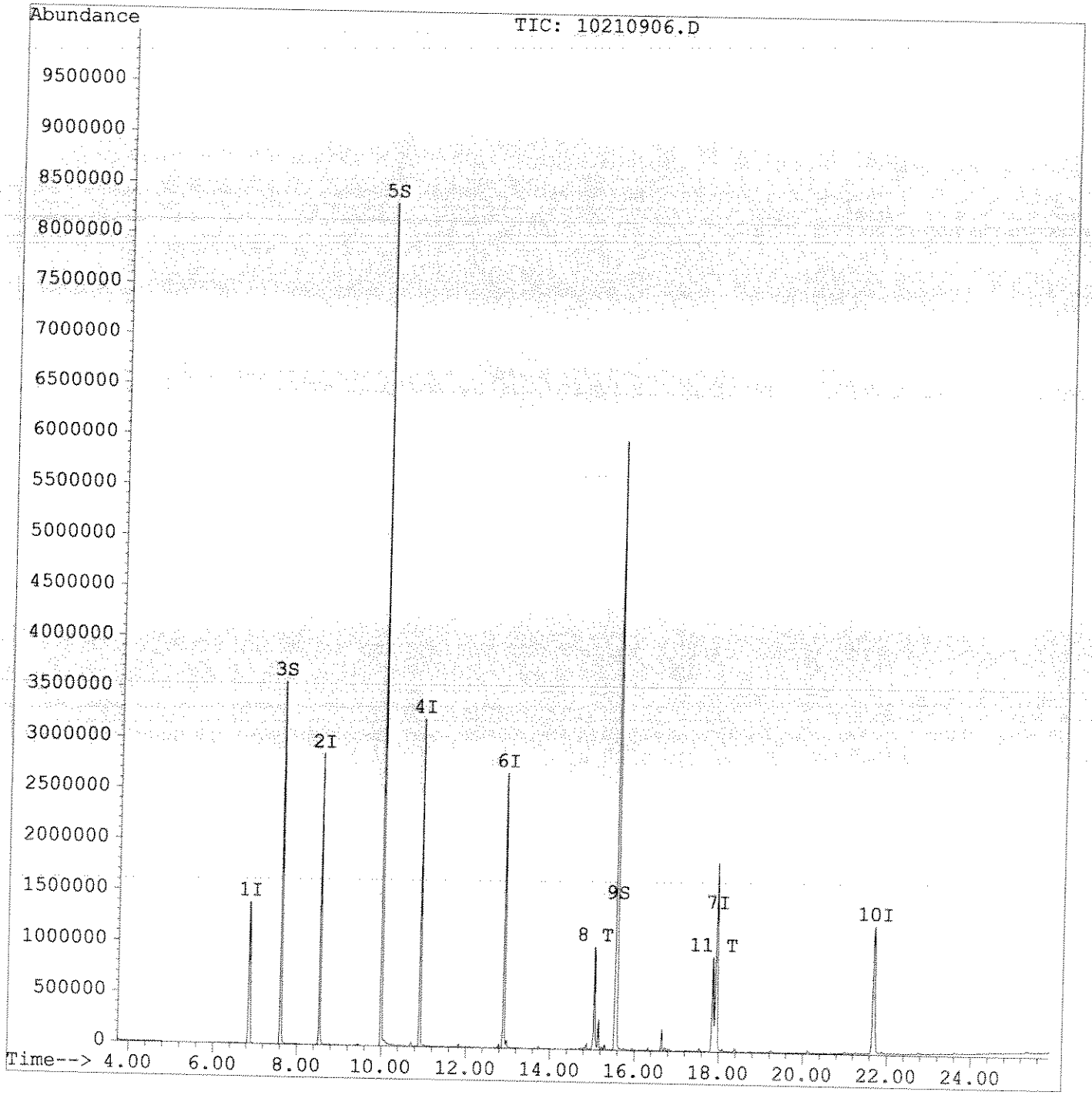
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	860153	40.00	PPB	-0.02
2) NAPHTHALENE-d8 INT. STD.	8.53	136	2023173	40.00	PPB	-0.02
4) ACENAPHTHENE-d10 INT. STD.	10.91	162	1118571	40.00	PPB	-0.01
6) PHENANTHRENE-d10 INT. STD.	12.90	188	2020719	40.00	PPB	-0.02
7) CHRYSENE-d12 INT. STD.	17.94	240	2051524	40.00	PPB	-0.04
10) PERYLENE-d12 INT. STD.	21.70	264	1525966	40.00	PPB	-0.03
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.61	82	2007326	100.81	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	4164167	99.83	PPB	
9) TERPHENYL-d14 SURR.	15.57	244	4620154	106.51	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.05	184	1008691	30.05	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.86	252	629121	30.77	PPB	99

(#) = qualifier out of range (m) = manual integration
10210906.D BZ101309.M Thu Oct 22 10:00:03 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210906.D Vial: 3
Acq On : 21 Oct 109 2:13 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 14:39 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210907.D Vial: 6
Acq On : 21 Oct 109 2:50 pm Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	858191	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.53	136	2052360	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1147955	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	2079356	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.94	240	2136458	40.00	PPB		-0.02
75) PERYLENE-d12 INT. STD.	21.69	264	1602052	40.00	PPB		-0.02
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	1616846	113.08	PPB		
5) PHENOL-d6 SURR.	6.45	99	1835461	108.56	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	1795025	86.69	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	3774992	88.71	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	804286	98.20	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	4166442	91.40	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.78	74	11087	1.39	PPB	m	21
3) PYRIDINE	3.80	79	16547	1.26	PPB	m	100
6) PHENOL - CCC	6.47	94	23425	1.22	PPB	#	1
7) aniline	6.50	93	20049	1.15	PPB	#	6
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	18322	1.04	PPB		95
9) 2-CHLOROPHENOL	6.64	128	19050	1.14	PPB		91
10) 1,3 DICHLOROBENZENE	6.82	146	22285	1.17	PPB	#	71
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	22204	1.13	PPB	#	40
12) benzyl alcohol	7.06	79	13549	0.98	PPB		97
13) 1,2-DICHLOROBENZENE	7.13	146	21073	1.10	PPB		98
14) 2-METHYLPHENOL	7.22	108	15718	1.12	PPB		98
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	21689	1.19	PPB		96
16) 4-METHYLPHENOL	7.41	107	18976	1.07	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	12179	1.18	PPB		96
18) HEXACHLOROETHANE	7.53	117	9871	1.09	PPB		96
21) NITROBENZENE	7.63	77	28463	1.24	PPB		82
22) ISOPHORONE	7.93	82	40859	0.96	PPB		97
23) 2,4 DIMETHYLPHENOL	8.10	107	13002	0.78	PPB		99
24) benzoic acid	8.17	105	3361	0.30	PPB		80
25) 2-NITROPHENOL - CCC	8.06	139	10599	0.89	PPB		87
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	21639	0.92	PPB		92
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	16972	0.96	PPB		92
28) 1,2,4 TRICHLOROBENZENE	8.48	180	21169	0.98	PPB		98
29) NAPHTHALENE	8.57	128	54493	1.00	PPB	#	85
30) 4-CHLOROANILINE	8.65	127	19942	1.01	PPB		97
31) HEXACHLOROBUTADIENE - CCC	8.80	225	12771	0.95	PPB		92
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	17269	0.96	PPB		92
33) 2-METHYLNAPHTHALENE	9.48	142	33528	0.95	PPB		96
34) 2-NITROANILINE	10.30	138	8883	0.69	PPB		95
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	5903	0.52	PPB		98
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	11981	0.83	PPB		96
38) 2,4,5 TRICHLOROPHENOL	9.95	196	12420	0.86	PPB		93
40) 2-CHLORONAPHTHALENE	10.13	162	37715	1.00	PPB		97
41) DIMETHYLPHTHALATE	10.57	163	44402	0.97	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	7390	0.68	PPB	#	84
43) ACENAPHTHYLENE	10.70	152	54909	0.96	PPB		100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210907.D Vial: 6
Acq On : 21 Oct 109 2:50 pm Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

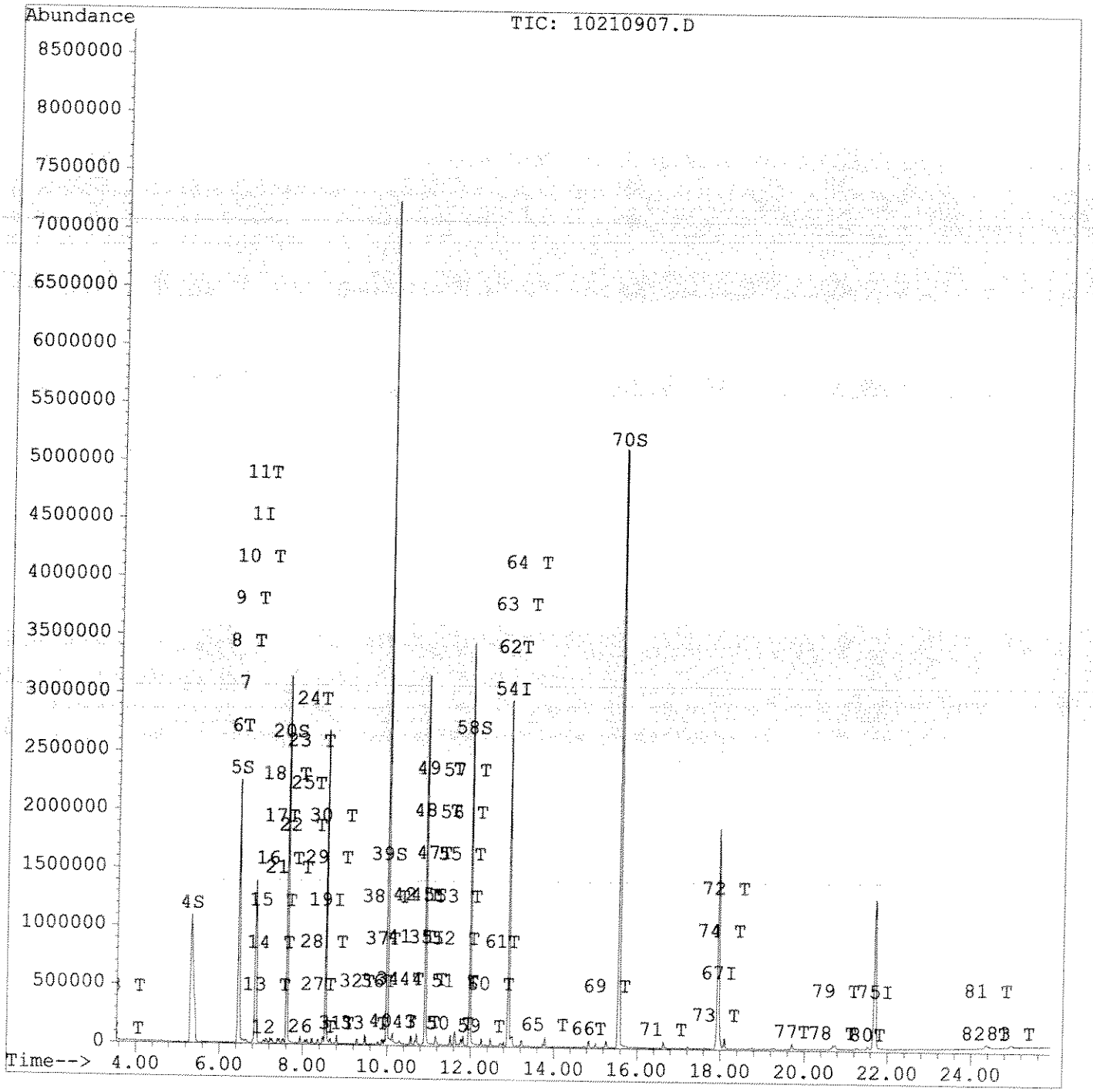
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) 3-NITROANILINE	10.86	65	7768	0.84 PPB	97
45) ACENAPHTHENE - CCC	10.95	153	34123	1.00 PPB	98
46) 2,4-DINITROPHENOL - SPCC	0.00	184		Not Detected	
47) 4-NITROPHENOL - SPCC	11.08	139	2959	0.44 PPB	89
48) DIBENZOFURAN	11.16	168	47884	0.91 PPB	98
49) 2,4 DINITROTOLUENE	11.19	165	8780	0.62 PPB	84
50) DIETHYLPHTHLATE	11.51	149	46657	0.98 PPB	98
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	23913	0.95 PPB	98
52) FLUORENE	11.63	166	39260	0.97 PPB	98
53) 4-NITROANILINE	11.68	138	4994	0.97 PPB #	76
55) 4,6-DINITRO-2-METHYLPHENOL	11.74	198	1924	0.25 PPB #	90
56) N-NITROSODIPHENYLAMINE	11.78	168	18498	0.98 PPB	85
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	47545	0.94 PPB	99
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	4755	1.03 PPB	94
60) HEXACHLOROBENZENE	12.48	284	16074	0.99 PPB	98
61) PENTACHLOROPHENOL - CCC	12.73	266	5355	0.62 PPB	97
62) PHENANTHRENE	12.94	178	58922	0.99 PPB	96
63) ANTHRACENE	13.00	178	56632	0.94 PPB	98
64) CARBAZOLE	13.23	167	46595	0.99 PPB	98
65) DI-N-BUTYLPHTHALATE	13.78	149	75770	0.91 PPB	98
66) FLUORANTHENE - CCC	14.85	202	60109	0.93 PPB	98
68) BENZIDINE	0.00	184		Not Detected	
69) PYRENE	15.27	202	58013	0.89 PPB	98
71) BUTYLBENZYLPHTHALATE	16.63	149	30557	0.83 PPB	99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.09	149	56305	1.04 PPB	98
73) BENZO(A)ANTHRACENE	17.90	228	55846	0.99 PPB	97
74) CHRYSENE	18.00	228	50847	0.96 PPB	97
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib #	
77) DI-N-OCTYL PHTHALATE - CCC	19.72	149	61840	0.70 PPB	98
78) BENZO(B)FLOURANTHENE	20.69	252	42986	0.79 PPB	95
79) BENZO(K)FLUORANTHENE	20.75	252	50390	1.03 PPB m	67
80) BENZO(A)PYRENE - CCC	21.53	252	33101	0.84 PPB	97
81) DIBENZO(A,H)ANTHRACENE	24.40	278	26289	0.73 PPB	97
82) INDENO(1,2,3-CD)PYRENE	24.35	276	33446	0.78 PPB	98
83) BENZO(G,H,I)PERYLENE	24.96	276	27652	0.79 PPB	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210907.D Vial: 6
Acq On : 21 Oct 109 2:50 pm Operator:
Sample : bna std 1 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210909.D Vial: 8
Acq On : 21 Oct 109 4:05 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1393297	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	3134336	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	1783954	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	3325559	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	3455063	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.71	264	2720710	40.00	PPB		0.00
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.31	112	2541649	109.49	PPB		
5) PHENOL-d6 SURR.	6.46	99	3016708	109.90	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	3119285	98.64	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	6773249	102.43	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.98	330	1422848	108.62	PPB		
70) TERPHENYL-d14 SURR.	15.58	244	7373655	100.02	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.77	74	143106	11.03	PPB		98
3) PYRIDINE	3.75	79	233579	10.98	PPB	#	100
6) PHENOL - CCC	6.47	94	344514	11.10	PPB	#	65
7) aniline	6.50	93	361879	12.83	PPB	#	6
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	322360	11.32	PPB		93
9) 2-CHLOROPHENOL	6.64	128	310894	11.49	PPB		97
10) 1,3 DICHLOROBENZENE	6.82	146	338638	10.97	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.88	146	352380	11.06	PPB		97
12) benzyl alcohol	7.05	79	255560	11.42	PPB		97
13) 1,2-DICHLOROBENZENE	7.13	146	347281	11.15	PPB		97
14) 2-METHYLPHENOL	7.22	108	262361	11.49	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	326884	11.01	PPB		97
16) 4-METHYLPHENOL	7.41	107	326079	11.33	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	184108	11.02	PPB		99
18) HEXACHLOROETHANE	7.52	117	160761	10.96	PPB		98
21) NITROBENZENE	7.64	77	349399	9.99	PPB		99
22) ISOPHORONE	7.93	82	645673	9.89	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	272157	10.63	PPB		99
24) benzoic acid	8.22	105	143177	8.33	PPB		95
25) 2-NITROPHENOL - CCC	8.05	139	193921	10.62	PPB		98
26) BIS(2-CHLOROETHOXY)METHANE	8.22	93	361450	10.09	PPB		98
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	266921	9.90	PPB		99
28) 1,2,4 TRICHLOROBENZENE	8.48	180	337065	10.25	PPB		99
29) NAPHTHALENE	8.56	128	830676	9.95	PPB		97
30) 4-CHLOROANILINE	8.65	127	330837	10.92	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	211157	10.26	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	275142	9.97	PPB		96
33) 2-METHYLNAPHTHALENE	9.48	142	552345	10.26	PPB		99
34) 2-NITROANILINE	10.31	138	209783	10.68	PPB		97
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	171361	9.79	PPB		99
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	230189	10.31	PPB		98
38) 2,4,5 TRICHLOROPHENOL	9.94	196	233728	10.46	PPB		100
40) 2-CHLORONAPHTHALENE	10.14	162	592738	10.15	PPB		98
41) DIMETHYLPHTHALATE	10.58	163	750621	10.53	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	171278	10.15	PPB		99
43) ACENAPHTHYLENE	10.71	152	909363	10.21	PPB		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210909.D Vial: 8
Acq On : 21 Oct 109 4:05 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

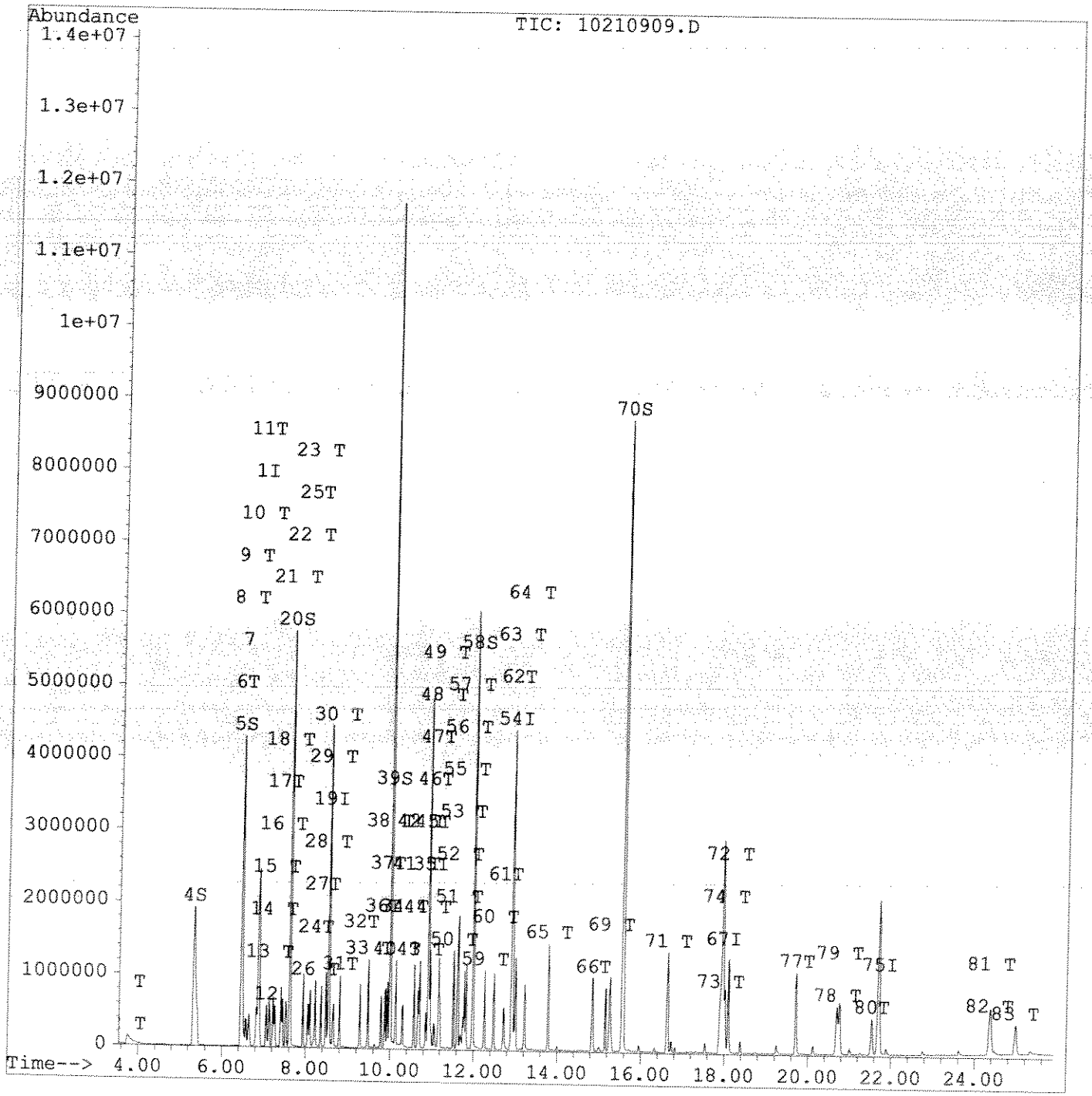
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) 3-NITROANILINE	10.86	65	194619	13.52	PPB		97
45) ACENAPHTHENE - CCC	10.95	153	564810	10.65	PPB		98
46) 2,4-DINITROPHENOL - SPCC	11.00	184	61529	7.45	PPB	#	97
47) 4-NITROPHENOL - SPCC	11.05	139	107604	10.39	PPB		99
48) DIBENZOFURAN	11.16	168	839193	10.30	PPB		99
49) 2,4 DINITROTOLUENE	11.20	165	228320	10.45	PPB		97
50) DIETHYLPHTHLATE	11.52	149	764105	10.28	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	401328	10.30	PPB		96
52) FLUORENE	11.62	166	656683	10.46	PPB		100
53) 4-NITROANILINE	11.69	138	95380	11.93	PPB		94
55) 4,6-DINITRO-2-METHYLPHENOL	11.74	198	122364	9.94	PPB	#	99
56) N-NITROSODIPHENYLAMINE	11.78	168	312999	10.33	PPB		99
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	814355	10.07	PPB		99
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	77724	10.54	PPB		95
60) HEXACHLOROBENZENE	12.48	284	272101	10.52	PPB		98
61) PENTACHLOROPHENOL - CCC	12.73	266	149014	10.87	PPB		98
62) PHENANTHRENE	12.94	178	990609	10.44	PPB		99
63) ANTHRACENE	13.00	178	985021	10.20	PPB		99
64) CARBAZOLE	13.22	167	819483	10.86	PPB		99
65) DI-N-BUTYLPHTHALATE	13.79	149	1404995	10.50	PPB		99
66) FLUORANTHENE - CCC	14.85	202	1040356	10.10	PPB		99
68) BENZIDINE	0.00	184		Not Detected			
69) PYRENE	15.26	202	1047673	9.93	PPB		99
71) BUTYLBENZYLPHTHALATE	16.64	149	595985	10.05	PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.09	149	858820	9.80	PPB		99
73) BENZO(A)ANTHRACENE	17.90	228	938085	10.26	PPB		99
74) CHRYSENE	18.01	228	863505	10.11	PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected			
77) DI-N-OCTYL PHTHALATE - CCC	19.72	149	1427466	9.57	PPB		99
78) BENZO(B)FLOURANTHENE	20.70	252	975932	10.57	PPB		95
79) BENZO(K)FLUORANTHENE	20.76	252	913246	10.99	PPB	m	75
80) BENZO(A)PYRENE - CCC	21.54	252	673068	10.03	PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.38	278	620639	10.17	PPB		99
82) INDENO(1,2,3-CD)PYRENE	24.35	276	742163	10.14	PPB		99
83) BENZO(G,H,I)PERYLENE	24.97	276	609200	10.19	PPB		98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210909.D Vial: 8
Acq On : 21 Oct 109 4:05 pm Operator:
Sample : bna std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:28 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210910.D Vial: 9
Acq On : 21 Oct 109 4:42 pm Operator:
Sample : bz std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 17:08 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

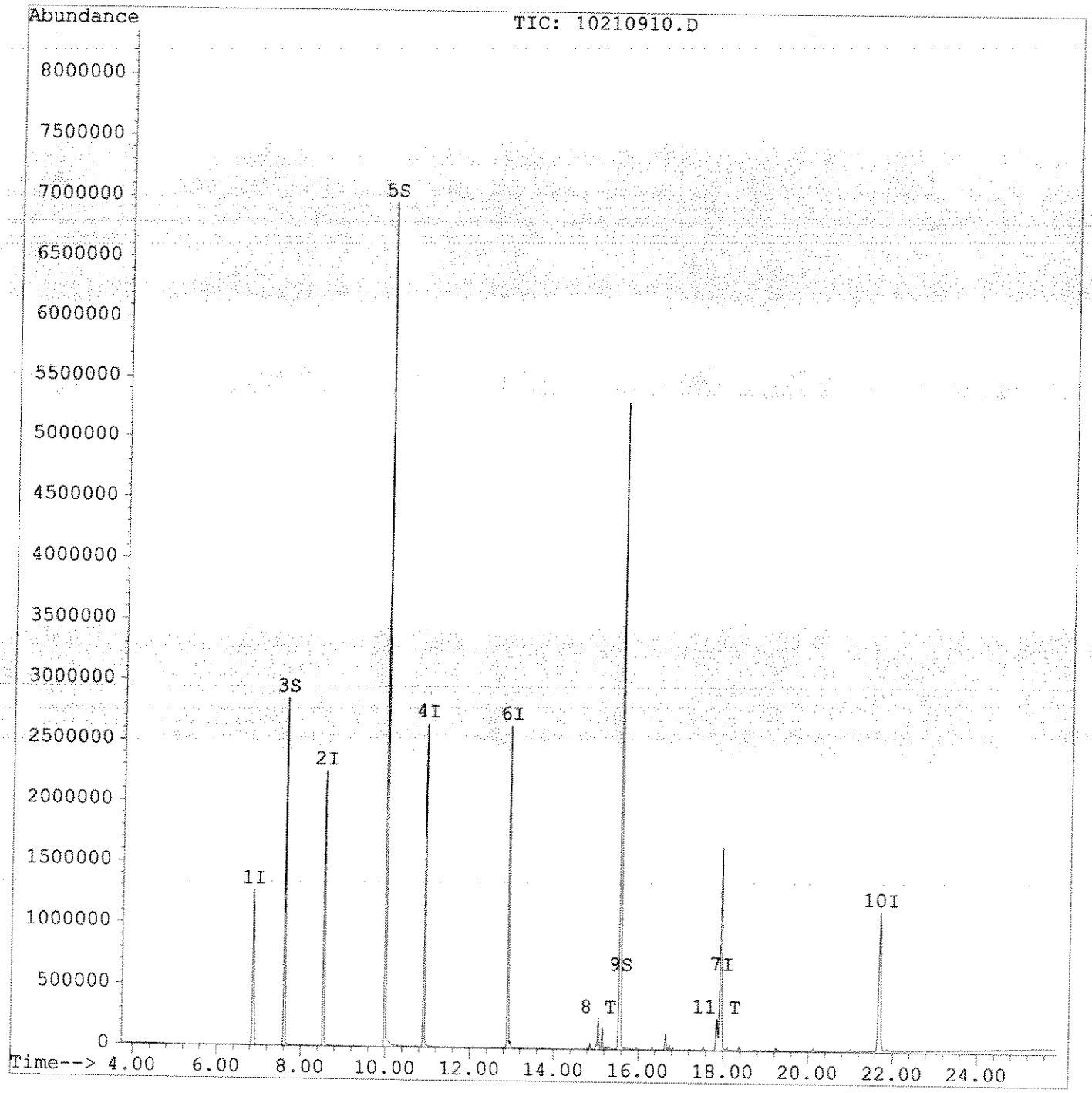
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	803886	40.00	PPB	-0.03
2) NAPHTHALENE-d8 INT. STD.	8.54	136	1831679	40.00	PPB	-0.02
4) ACENAPHTHENE-d10 INT. STD.	10.91	162	1035644	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.90	188	1895069	40.00	PPB	-0.02
7) CHRYSENE-d12 INT. STD.	17.95	240	1842599	40.00	PPB	-0.04
10) PERYLENE-d12 INT. STD.	21.70	264	1394215	40.00	PPB	-0.04
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1735550	96.27	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	3716602	96.23	PPB	
9) TERPHENYL-d14 SURR.	15.57	244	4149475	106.51	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.05	184	263071	8.73	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.85	252	175174	9.38	PPB	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210910.D Vial: 9
Acq On : 21 Oct 109 4:42 pm Operator:
Sample : bz std 10 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 21 17:08 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210916.d Vial: 15
Acq On : 21 Oct 109 8:24 pm Operator:
Sample : bna method blank - water Inst : SVGCMS2
Misc : 10/20/09 Multiplr: 1.00
Quant Time: Oct 22 9:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1031873	40.00	PPB	0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	2490298	40.00	PPB	0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	1345804	40.00	PPB	0.00
54) PHENANTHRENE-d10 INT. STD.	12.92	188	2488993	40.00	PPB	0.01
67) CHRYSENE-d12 INT. STD.	17.95	240	2608977	40.00	PPB	0.00
75) PERYLENE-d12 INT. STD.	21.72	264	1900201	40.00	PPB	0.01
System Monitoring Compounds						%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	673246	39.16	PPB	
5) PHENOL-d6 SURR.	6.45	99	547558	26.94	PPB	
20) NITROBENZENE-d5 SURR.	7.62	82	1761445	70.11	PPB	
39) 2-FLUOROBIPHENYL SURR.	10.00	172	3883461	77.85	PPB	
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	922792	94.13	PPB	
70) TERPHENYL-d14 SURR.	15.58	244	4816759	86.53	PPB	
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74		Not Detected		
3) PYRIDINE	0.00	79		Not Detected		
6) PHENOL - CCC	0.00	94		Not Detected		
7) aniline	0.00	93		Not Detected		
8) BIS(2-CHLOROETHYL)ETHER	0.00	93		Not Detected		
9) 2-CHLOROPHENOL	0.00	128		Not Detected		
10) 1,3 DICHLOROBENZENE	0.00	146		Not Detected		
11) 1,4 DICHLOROBENZENE - CCC	0.00	146		Not Detected		
12) benzyl alcohol	0.00	79		Not Detected		
13) 1,2-DICHLOROBENZENE	0.00	146		Not Detected		
14) 2-METHYLPHENOL	0.00	108		Not Detected		
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00	45		Not Detected		
16) 4-METHYLPHENOL	0.00	107		Not Detected		
17) N-NITROSO-DI-N-PROPYLAMINE	0.00	43		Not Detected		
18) HEXACHLOROETHANE	0.00	117		Not Detected		
21) NITROBENZENE	0.00	77		Not Detected		
22) ISOPHORONE	0.00	82		Not Detected		
23) 2,4 DIMETHYLPHENOL	0.00	107		Not Detected		
24) benzoic acid	0.00	105		Not Detected		
25) 2-NITROPHENOL - CCC	0.00	139		Not Detected		
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93		Not Detected		
27) 2,4 DICHLOROPHENOL - CCC	0.00	162		Not Detected		
28) 1,2,4 TRICHLOROBENZENE	0.00	180		Not Detected		
29) NAPHTHALENE	0.00	128		Not Detected		
30) 4-CHLOROANILINE	0.00	127		Not Detected		
31) HEXACHLOROBUTADIENE - CCC	0.00	225		Not Detected		
32) 4-CHLORO-3-METHYLPHENOL -	0.00	107		Not Detected		
33) 2-METHYLNAPHTHALENE	0.00	142		Not Detected		
34) 2-NITROANILINE	0.00	138		Not Detected		
36) HEXACHLOROCYCLOPENTADIENE	0.00	237		Not Detected		
37) 2,4,6-TRICHLOROPHENOL - CC	0.00	196		Not Detected		
38) 2,4,5 TRICHLOROPHENOL	0.00	196		Not Detected		
40) 2-CHLORONAPHTHALENE	0.00	162		Not Detected		
41) DIMETHYLPHTHALATE	0.00	163		Not Detected		
42) 2,6 DINITROTOLUENE	0.00	165		Not Detected		
43) ACENAPHTHYLENE	0.00	152		Not Detected		

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210916.d Vial: 15
Acq On : 21 Oct 109 8:24 pm Operator:
Sample : bna method blank - water Inst : SVGCMS2
Misc : 10/20/09 Multiplr: 1.00
Quant Time: Oct 22 9:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) 3-NITROANILINE	0.00	65		Not Detected	
45) ACENAPHTHENE - CCC	0.00	153		Not Detected	
46) 2,4-DINITROPHENOL - SPCC	0.00	184		Not Detected	
47) 4-NITROPHENOL - SPCC	0.00	139		Not Detected	
48) DIBENZOFURAN	0.00	168		Not Detected	
49) 2,4 DINITROTOLUENE	0.00	165		Not Detected	
50) DIETHYLPHTHLATE	0.00	149		Not Detected	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204		Not Detected	
52) FLUORENE	0.00	166		Not Detected	
53) 4-NITROANILINE	0.00	138		Not Detected	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198		Not Detected	
56) N-NITROSODIPHENYLAMINE	0.00	168		Not Detected	
57) 1,2 DIPHENYLHYDRAZINE	0.00	77		Not Detected	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	51		Not Detected	
60) HEXACHLOROBENZENE	0.00	284		Not Detected	
61) PENTACHLOROPHENOL - CCC	0.00	266		Not Detected	
62) PHENANTHRENE	0.00	178		Not Detected	
63) ANTHRACENE	0.00	178		Not Detected	
64) CARBAZOLE	0.00	167		Not Detected	
65) DI-N-BUTYLPHTHALATE	13.79	149	46911	0.47 PPB	98
66) FLUORANTHENE - CCC	0.00	202		Not Detected	
68) BENZIDINE	0.00	184		No Calib	
69) PYRENE	0.00	202		Not Detected	
71) BUTYLBENZYLPHTHALATE	0.00	149		Not Detected	
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.10	149	60689	0.92 PPB	97
73) BENZO(A)ANTHRACENE	0.00	228		Not Detected	
74) CHRYSENE	0.00	228		Not Detected	
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib #	
77) DI-N-OCTYL PHTHALATE - CCC	0.00	149		Not Detected	
78) BENZO(B)FLOURANTHENE	0.00	252		Not Detected	
79) BENZO(K)FLUORANTHENE	0.00	252		Not Detected	
80) BENZO(A)PYRENE - CCC	0.00	252		Not Detected	
81) DIBENZO(A,H)ANTHRACENE	0.00	278		Not Detected	
82) INDENO(1,2,3-CD)PYRENE	0.00	276		Not Detected	
83) BENZO(G,H,I)PERYLENE	0.00	276		Not Detected	

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109bz\10210916.d Vial: 15
Acq On : 21 Oct 109 8:24 pm Operator:
Sample : bna method blank - water Inst : SVGCMS2
Misc : 10/20/09 Multiplr: 1.00
Quant Time: Oct 22 10:05 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

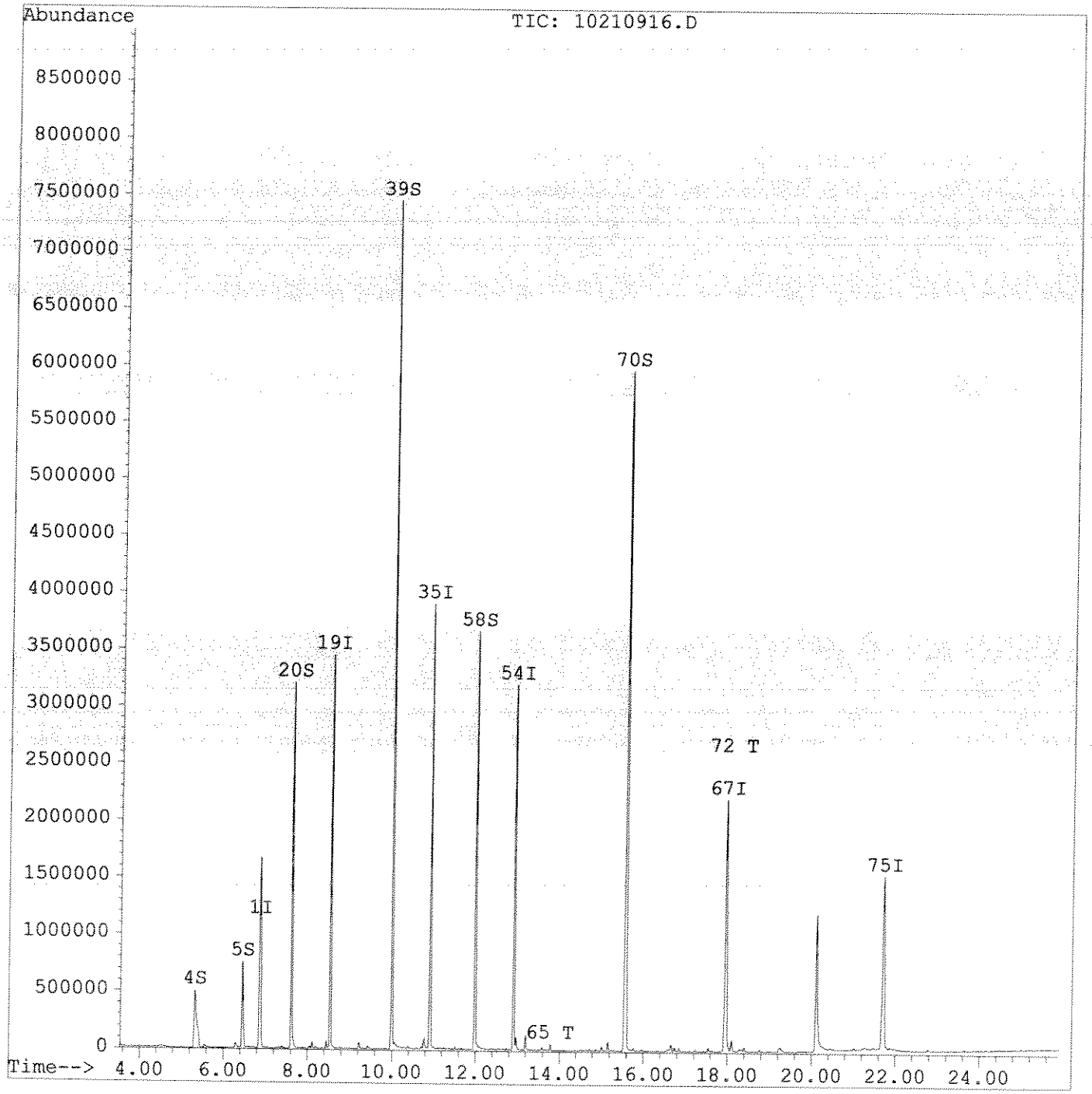
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1032267	40.00	PPB	-0.01
2) NAPHTHALENE-d8 INT. STD.	8.54	136	2490298	40.00	PPB	-0.02
4) ACENAPHTHENE-d10 INT. STD.	10.91	162	1342722	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	2488993	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.95	240	2608977	40.00	PPB	-0.03
10) PERYLENE-d12 INT. STD.	21.72	264	1900201	40.00	PPB	-0.02
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1764922	72.01	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	3890560	77.70	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	4816759	87.32	PPB	
Target Compounds						Qvalue
8) BENZIDINE	0.00	184		Not Detected		
11) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		

(#) = qualifier out of range (m) = manual integration
10210916.d BZ101309.M Thu Oct 22 10:07:40 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210916.d Vial: 15
Acq On : 21 Oct 109 8:24 pm Operator:
Sample : bna method blank - water Inst : SVGCMS2
Misc : 10/20/09 Multiplr: 1.00
Quant Time: Oct 22 9:32 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210917.d Vial: 16
Acq On : 21 Oct 109 9:00 pm Operator:
Sample : bna/atp ms+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:33 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	837239	40.00	PPB		0.00
19) NAPHTHALENE-d8 INT. STD.	8.54	136	2035104	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	1024941	40.00	PPB		0.02
54) PHENANTHRENE-d10 INT. STD.	12.91	188	1896823	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	1935086	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.72	264	1483354	40.00	PPB		0.01
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.32	112	446616	32.02	PPB		
5) PHENOL-d6 SURR.	6.46	99	326747	19.81	PPB		
20) NITROBENZENE-d5 SURR.	7.61	82	801886	39.05	PPB		
39) 2-FLUOROBIPHENYL SURR.	9.99	172	1688045	44.43	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	670849	89.79	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	2086859	50.54	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	54217	6.95	PPB		90
3) PYRIDINE	3.76	79	111220	8.70	PPB	#	100
6) PHENOL - CCC	6.47	94	206502	11.07	PPB	#	9
7) aniline	6.50	93	343114	20.25	PPB	#	71
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	348634	20.38	PPB		100
9) 2-CHLOROPHENOL	6.64	128	539829	33.20	PPB		98
10) 1,3 DICHLOROBENZENE	6.82	146	408559	22.03	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	377333	19.70	PPB		98
12) benzyl alcohol	7.06	79	152457	11.33	PPB		96
13) 1,2-DICHLOROBENZENE	7.13	146	387549	20.72	PPB		97
14) 2-METHYLPHENOL	7.22	108	390931	28.49	PPB		98
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	395389	22.16	PPB		97
16) 4-METHYLPHENOL	7.41	107	418266	24.18	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.45	43	223026	22.21	PPB		99
18) HEXACHLOROETHANE	7.53	117	189070	21.46	PPB		97
21) NITROBENZENE	7.63	77	382985	16.86	PPB		99
22) ISOPHORONE	7.94	82	750250	17.70	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	674379	40.58	PPB		98
24) benzoic acid	8.21	105	92757	8.31	PPB		93
25) 2-NITROPHENOL - CCC	8.06	139	406374	34.29	PPB		94
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	442440	19.03	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.36	162	595482	34.03	PPB		99
28) 1,2,4 TRICHLOROBENZENE	8.49	180	380258	17.81	PPB		99
29) NAPHTHALENE	8.57	128	975105	17.99	PPB		98
30) 4-CHLOROANILINE	8.65	127	464259	23.61	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	238599	17.86	PPB		100
32) 4-CHLORO-3-METHYLPHENOL -	9.29	107	611221	34.12	PPB		98
33) 2-METHYLNAPHTHALENE	9.48	142	721325	20.63	PPB		99
34) 2-NITROANILINE	10.31	138	268157	21.03	PPB		99
36) HEXACHLOROCYCLOPENTADIENE	9.80	237	177961	17.70	PPB		98
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	562853	43.90	PPB		99
38) 2,4,5 TRICHLOROPHENOL	9.95	196	562863	43.84	PPB		99
40) 2-CHLORONAPHTHALENE	10.14	162	691061	20.59	PPB		98
41) DIMETHYLPHTHALATE	10.58	163	924472	22.57	PPB		99
42) 2,6 DINITROTOLUENE	10.67	165	208226	21.47	PPB		100
43) ACENAPHTHYLENE	10.71	152	1065637	20.82	PPB		100

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210917.d Vial: 16
Acq On : 21 Oct 109 9:00 pm Operator:
Sample : bna/atp ms+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:33 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) 3-NITROANILINE	10.86	65	251142	30.36	PPB		99
45) ACENAPHTHENE - CCC	10.96	153	632196	20.75	PPB		92
46) 2,4-DINITROPHENOL - SPCC	10.99	184	221979	46.80	PPB	#	99
47) 4-NITROPHENOL - SPCC	11.06	139	66453	11.17	PPB		97
48) DIBENZOFURAN	11.17	168	1085555	23.20	PPB		100
49) 2,4 DINITROTOLUENE	11.19	165	284686	22.69	PPB		95
50) DIETHYLPHTHLATE	11.52	149	941277	22.05	PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.61	204	490160	21.89	PPB		98
52) FLUORENE	11.64	166	790737	21.93	PPB		99
53) 4-NITROANILINE	11.69	138	173666	37.80	PPB		91
55) 4,6-DINITRO-2-METHYLPHENOL	11.75	198	373392	53.17	PPB	#	96
56) N-NITROSODIPHENYLAMINE	11.79	168	385520	22.30	PPB	#	70
57) 1,2 DIPHENYLHYDRAZINE	11.82	77	916999	19.88	PPB		96
59) 4-BROMOPHENYLPHENYL ETHER	12.26	51	98274	23.38	PPB		98
60) HEXACHLOROBENZENE	12.49	284	330308	22.38	PPB		99
61) PENTACHLOROPHENOL - CCC	12.73	266	391385	50.07	PPB		98
62) PHENANTHRENE	12.94	178	1177253	21.75	PPB		100
63) ANTHRACENE	13.01	178	1237571	22.47	PPB		99
64) CARBAZOLE	13.23	167	1058141	24.59	PPB		100
65) DI-N-BUTYLPHTHALATE	13.79	149	1810009	23.71	PPB		100
66) FLUORANTHENE - CCC	14.85	202	1312432	22.34	PPB		99
68) BENZIDINE	0.00	184		No Calib			
69) PYRENE	15.28	202	1289947	21.84	PPB		100
71) BUTYLBENZYLPHTHALATE	16.65	149	786138	23.66	PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.12	149	1128269	22.99	PPB		99
73) BENZO(A)ANTHRACENE	17.91	228	1182030	23.08	PPB		99
74) CHRYSENE	18.03	228	1098379	22.97	PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib		#	
77) DI-N-OCTYL PHTHALATE - CCC	19.73	149	1828953	22.48	PPB		99
78) BENZO(B)FLOURANTHENE	20.72	252	1041369	20.70	PPB		96
79) BENZO(K)FLUORANTHENE	20.78	252	1059177	23.38	PPB	m	78
80) BENZO(A)PYRENE - CCC	21.56	252	953822	26.07	PPB		97
81) DIBENZO(A,H)ANTHRACENE	24.41	278	765506	23.01	PPB		99
82) INDENO(1,2,3-CD)PYRENE	24.38	276	912814	22.88	PPB		99
83) BENZO(G,H,I)PERYLENE	25.00	276	732026	22.47	PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109bz\10210917.d Vial: 16
Acq On : 21 Oct 109 9:00 pm Operator:
Sample : bna/atp ms+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 10:05 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

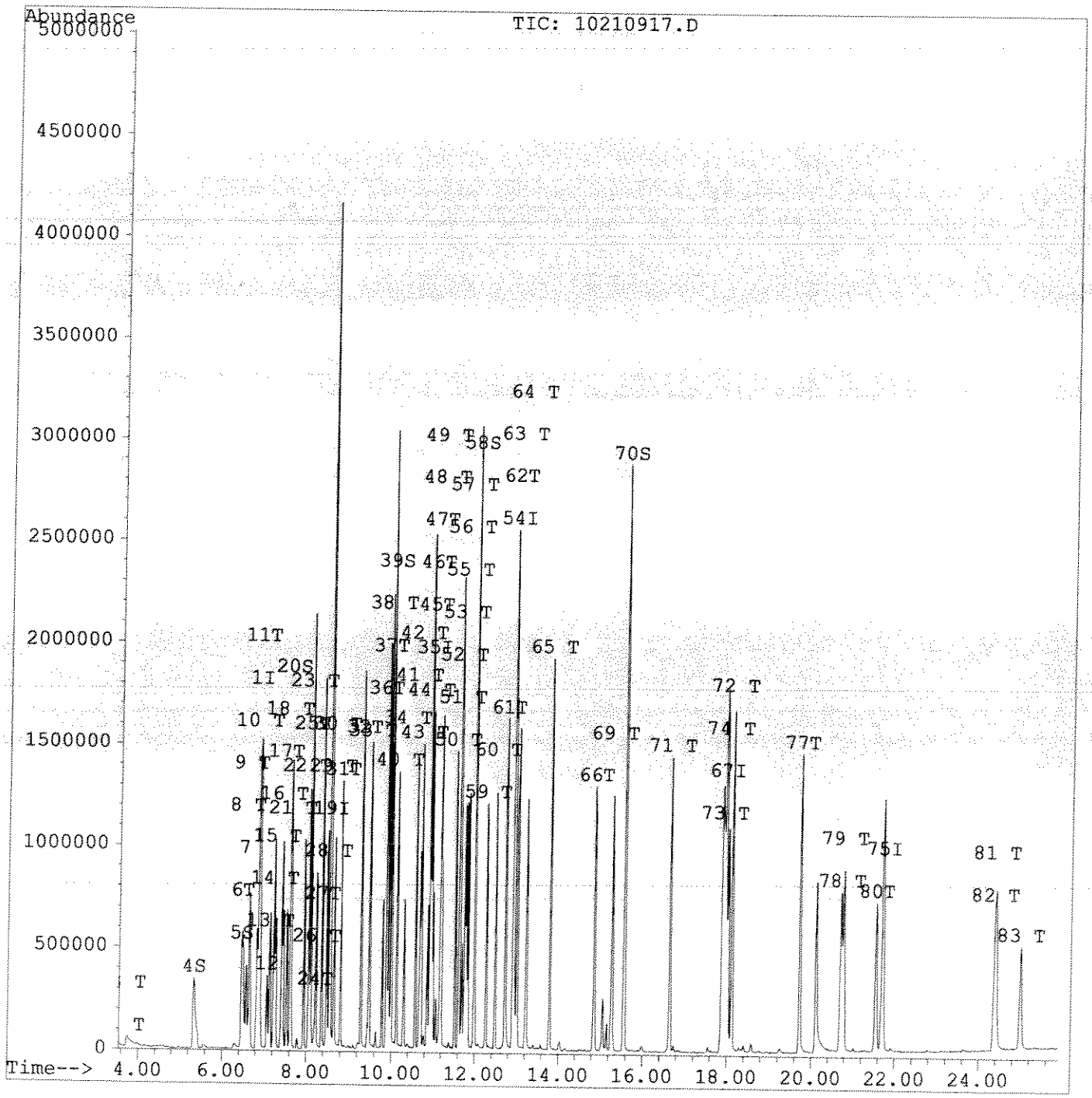
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.86	150	837239	40.00	PPB	-0.02
2) NAPHTHALENE-d8 INT. STD.	8.54	136	2031264	40.00	PPB	-0.02
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1024941	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.91	188	1896823	40.00	PPB	-0.01
7) CHRYSENE-d12 INT. STD.	17.96	240	1935086	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.72	264	1483354	40.00	PPB	-0.02
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.61	82	801886	40.11	PPB	
5) 2-FLUOROBIPHENYL SURR.	9.99	172	1686702	44.13	PPB	
9) TERPHENYL-d14 SURR.	15.57	244	2086859	51.00	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.06	184	253343	8.00	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.88	252	680559	34.24	PPB	98

(#) = qualifier out of range (m) = manual integration
10210917.d BZ101309.M Thu Oct 22 10:07:40 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210917.d Vial: 16
Acq On : 21 Oct 109 9:00 pm Operator:
Sample : bna/atp ms+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:33 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210918.d Vial: 17
Acq On : 21 Oct 109 9:35 pm Operator:
Sample : bna/atp msd+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:42 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	835355	40.00	PPB		0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1921299	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.91	162	979015	40.00	PPB		0.00
54) PHENANTHRENE-d10 INT. STD.	12.91	188	1846507	40.00	PPB		0.00
67) CHRYSENE-d12 INT. STD.	17.96	240	1835124	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.72	264	1397180	40.00	PPB		0.01
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	402714	28.93	PPB		
5) PHENOL-d6 SURR.	6.46	99	288832	17.55	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	1264844	65.25	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	2699190	74.38	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	664007	91.30	PPB		
70) TERPHENYL-d14 SURR.	15.57	244	3095889	79.07	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	55168	7.09	PPB		91
3) PYRIDINE	3.73	79	113254	8.88	PPB	#	100
6) PHENOL - CCC	6.47	94	176167	9.46	PPB	#	68
7) aniline	6.51	93	326993	19.34	PPB	#	70
8) BIS(2-CHLOROETHYL)ETHER	6.58	93	432487	25.34	PPB		97
9) 2-CHLOROPHENOL	6.65	128	519506	32.03	PPB		100
10) 1,3 DICHLOROBENZENE	6.82	146	439703	23.77	PPB		98
11) 1,4 DICHLOROBENZENE - CCC	6.89	146	501808	26.26	PPB		98
12) benzyl alcohol	7.07	79	169802	12.65	PPB		99
13) 1,2-DICHLOROBENZENE	7.14	146	447099	23.95	PPB		97
14) 2-METHYLPHENOL	7.23	108	357515	26.12	PPB		99
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	453631	25.48	PPB		95
16) 4-METHYLPHENOL	7.41	107	381591	22.11	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	265538	26.51	PPB		99
18) HEXACHLOROETHANE	7.54	117	218150	24.81	PPB		98
21) NITROBENZENE	7.64	77	448968	20.93	PPB		100
22) ISOPHORONE	7.95	82	931369	23.27	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	659320	42.02	PPB		98
24) benzoic acid	8.21	105	88106	8.36	PPB		93
25) 2-NITROPHENOL - CCC	8.06	139	402461	35.97	PPB		91
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	514371	23.44	PPB		98
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	578948	35.04	PPB		98
28) 1,2,4 TRICHLOROBENZENE	8.48	180	454126	22.53	PPB		98
29) NAPHTHALENE	8.57	128	1146777	22.42	PPB		99
30) 4-CHLOROANILINE	8.66	127	496251	26.73	PPB		99
31) HEXACHLOROBUTADIENE - CCC	8.81	225	283804	22.50	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.28	107	566713	33.51	PPB		99
33) 2-METHYLNAPHTHALENE	9.49	142	858850	26.01	PPB		99
34) 2-NITROANILINE	10.30	138	316042	26.25	PPB		99
36) HEXACHLOROCYCLOPENTADIENE	9.80	237	212629	22.13	PPB		99
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	581619	47.49	PPB		97
38) 2,4,5 TRICHLOROPHENOL	9.95	196	551609	44.98	PPB		98
40) 2-CHLORONAPHTHALENE	10.14	162	840029	26.20	PPB		100
41) DIMETHYLPHTHALATE	10.58	163	1059089	27.07	PPB		100
42) 2,6 DINITROTOLUENE	10.68	165	250848	27.08	PPB		99
43) ACENAPHTHYLENE	10.71	152	1250832	25.59	PPB		100

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210918.d Vial: 17
Acq On : 21 Oct 109 9:35 pm Operator:
Sample : bna/atp msd+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:42 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	3-NITROANILINE	10.87	65	290279	36.73 PPB		99
45)	ACENAPHTHENE - CCC	10.96	153	753033	25.87 PPB		95
46)	2,4-DINITROPHENOL - SPCC	11.00	184	229657	50.69 PPB	#	99
47)	4-NITROPHENOL - SPCC	11.07	139	57551	10.12 PPB		100
48)	DIBENZOFURAN	11.17	168	1311532	29.35 PPB		100
49)	2,4 DINITROTOLUENE	11.21	165	333993	27.87 PPB		93
50)	DIETHYLPHTHLATE	11.52	149	1068997	26.22 PPB		99
51)	4-CHLOROPHENYLPHENYL ETHER	11.62	204	562106	26.28 PPB		98
52)	FLUORENE	11.64	166	939564	27.28 PPB		99
53)	4-NITROANILINE	11.70	138	193592	44.12 PPB		91
55)	4,6-DINITRO-2-METHYLPHENOL	11.76	198	382723	55.98 PPB	#	97
56)	N-NITROSODIPHENYLAMINE	11.79	168	449802	26.73 PPB	#	70
57)	1,2 DIPHENYLHYDRAZINE	11.83	77	1058319	23.56 PPB		95
59)	4-BROMOPHENYLPHENYL ETHER	12.27	51	112756	27.55 PPB		94
60)	HEXACHLOROBENZENE	12.49	284	375190	26.12 PPB		99
61)	PENTACHLOROPHENOL - CCC	12.73	266	391271	51.42 PPB		98
62)	PHENANTHRENE	12.95	178	1386170	26.31 PPB		99
63)	ANTHRACENE	13.01	178	1441620	26.89 PPB		100
64)	CARBAZOLE	13.23	167	1187472	28.35 PPB		100
65)	DI-N-BUTYLPHTHALATE	13.80	149	2082386	28.02 PPB		100
66)	FLUORANTHENE - CCC	14.86	202	1519245	26.57 PPB		99
68)	BENZIDINE	0.00	184		No Calib		
69)	PYRENE	15.27	202	1470264	26.25 PPB		100
71)	BUTYLBENZYLPHTHALATE	16.65	149	892778	28.34 PPB		100
72)	BIS(2-ETHYLHEXYL)PHTHALATE	18.12	149	1283883	27.59 PPB		98
73)	BENZO(A)ANTHRACENE	17.92	228	1353905	27.87 PPB		100
74)	CHRYSENE	18.03	228	1267157	27.94 PPB		99
76)	3,3'-DICHLOROBENZIDINE	0.00	252		No Calib	#	
77)	DI-N-OCTYL PHTHALATE - CCC	19.73	149	2103119	27.45 PPB		100
78)	BENZO(B)FLOURANTHENE	20.73	252	1206281	25.45 PPB		96
79)	BENZO(K)FLUORANTHENE	20.78	252	1047399	24.54 PPB	m	77
80)	BENZO(A)PYRENE - CCC	21.56	252	1095148	31.78 PPB		99
81)	DIBENZO(A,H)ANTHRACENE	24.42	278	881192	28.12 PPB		99
82)	INDENO(1,2,3-CD)PYRENE	24.38	276	1046008	27.83 PPB		99
83)	BENZO(G,H,I)PERYLENE	25.00	276	854784	27.85 PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109bz\10210918.d Vial: 17
Acq On : 21 Oct 109 9:35 pm Operator:
Sample : bna/atp msd+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 10:05 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

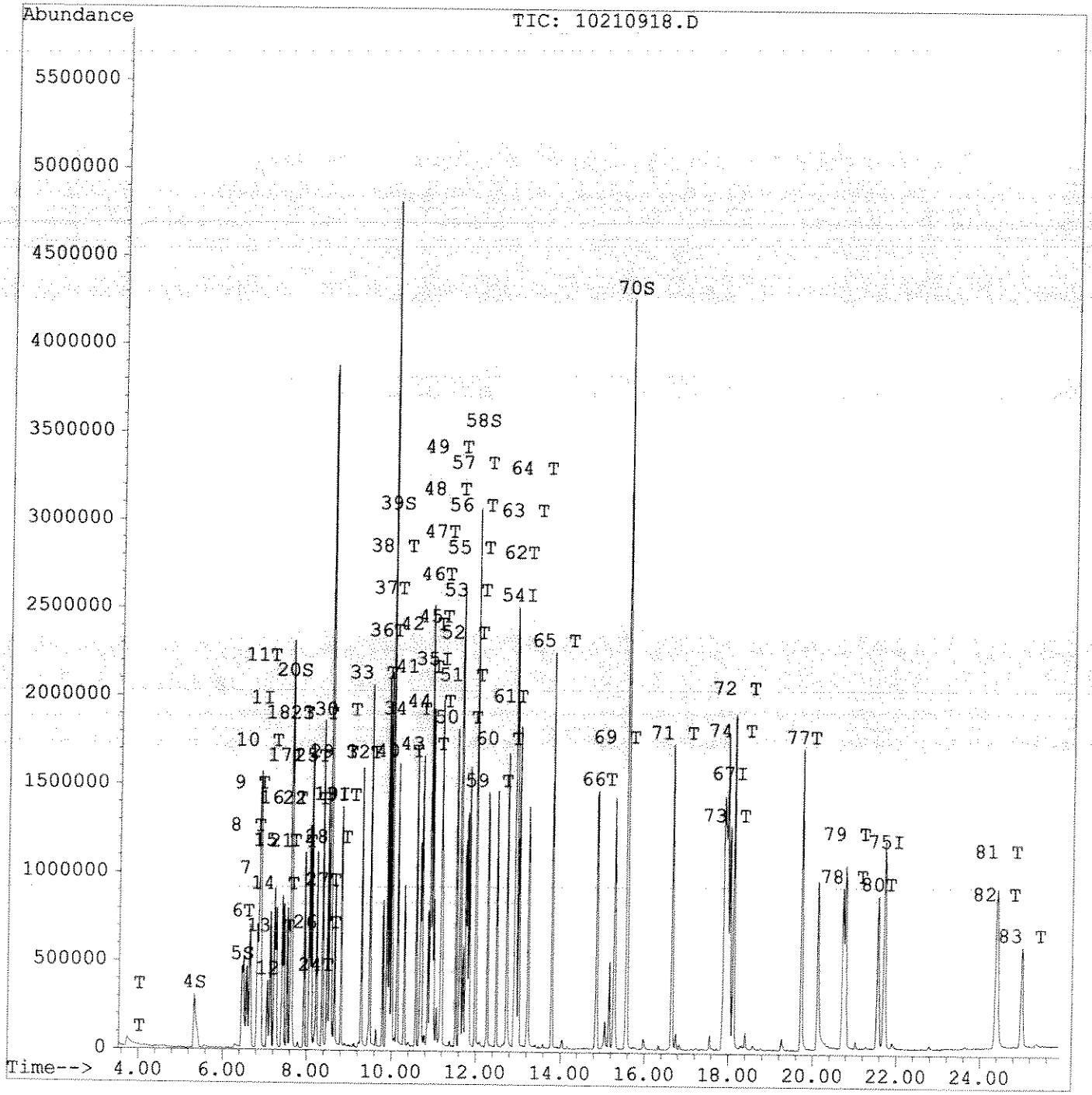
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	836044	40.00	PPB	-0.01
2) NAPHTHALENE-d8 INT. STD.	8.54	136	1917073	40.00	PPB	-0.01
4) ACENAPHTHENE-d10 INT. STD.	10.91	162	979015	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.91	188	1846507	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.96	240	1835124	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.72	264	1397180	40.00	PPB	-0.01
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1264844	67.03	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	2699190	73.93	PPB	
9) TERPHENYL-d14 SURR.	15.57	244	3095889	79.79	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.06	184	164274	5.47	PPB	98
11) 3,3'-DICHLOROBENZIDINE	17.88	252	727883	38.88	PPB	99

(#) = qualifier out of range (m) = manual integration
10210918.d BZ101309.M Thu Oct 22 10:07:40 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210918.d Vial: 17
Acq On : 21 Oct 109 9:35 pm Operator:
Sample : bna/atp msd+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:42 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210919.d Vial: 18
Acq On : 21 Oct 109 10:11 pm Operator:
Sample : bna/atp lcs+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:43 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	837746	40.00	PPB		0.01
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1932296	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	1025776	40.00	PPB		0.01
54) PHENANTHRENE-d10 INT. STD.	12.92	188	1854463	40.00	PPB		0.01
67) CHRYSENE-d12 INT. STD.	17.96	240	1875019	40.00	PPB		0.00
75) PERYLENE-d12 INT. STD.	21.72	264	1426413	40.00	PPB		0.02
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	439105	31.46	PPB		
5) PHENOL-d6 SURR.	6.46	99	362473	21.96	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	1246111	63.92	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.00	172	2844615	74.81	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	619896	84.86	PPB		
70) TERPHENYL-d14 SURR.	15.58	244	3367780	84.18	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	53036	6.80	PPB		95
3) PYRIDINE	3.75	79	79059	6.18	PPB	m	100
6) PHENOL - CCC	6.47	94	221219	11.85	PPB		91
7) aniline	6.51	93	276836	16.33	PPB	#	83
8) BIS(2-CHLOROETHYL)ETHER	6.57	93	388445	22.69	PPB		94
9) 2-CHLOROPHENOL	6.64	128	493996	30.37	PPB		99
10) 1,3 DICHLOROBENZENE	6.83	146	393294	21.20	PPB		97
11) 1,4 DICHLOROBENZENE - CCC	6.90	146	426792	22.27	PPB		98
12) benzyl alcohol	7.07	79	170429	12.66	PPB		97
13) 1,2-DICHLOROBENZENE	7.13	146	398243	21.27	PPB		98
14) 2-METHYLPHENOL	7.23	108	398381	29.02	PPB		98
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	429627	24.07	PPB		97
16) 4-METHYLPHENOL	7.41	107	459899	26.57	PPB		99
17) N-NITROSO-DI-N-PROPYLAMINE	7.44	43	261785	26.06	PPB		98
18) HEXACHLOROETHANE	7.54	117	200413	22.73	PPB		98
21) NITROBENZENE	7.64	77	439288	20.37	PPB		98
22) ISOPHORONE	7.94	82	879512	21.85	PPB		99
23) 2,4 DIMETHYLPHENOL	8.10	107	645850	40.93	PPB		99
24) benzoic acid	8.23	105	138992	13.11	PPB		97
25) 2-NITROPHENOL - CCC	8.07	139	352097	31.29	PPB		99
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	498185	22.57	PPB		98
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	555045	33.41	PPB		98
28) 1,2,4 TRICHLOROBENZENE	8.49	180	430193	21.22	PPB		99
29) NAPHTHALENE	8.57	128	1053204	20.47	PPB		99
30) 4-CHLOROANILINE	8.66	127	484723	25.96	PPB		100
31) HEXACHLOROBUTADIENE - CCC	8.81	225	258913	20.41	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.30	107	616642	36.25	PPB		99
33) 2-METHYLNAPHTHALENE	9.49	142	822071	24.76	PPB		99
34) 2-NITROANILINE	10.31	138	320744	26.49	PPB		99
36) HEXACHLOROCYCLOPENTADIENE	9.79	237	207588	20.62	PPB		99
37) 2,4,6-TRICHLOROPHENOL - CC	9.89	196	526392	41.02	PPB		99
38) 2,4,5 TRICHLOROPHENOL	9.95	196	568054	44.21	PPB		98
40) 2-CHLORONAPHTHALENE	10.14	162	819676	24.40	PPB		99
41) DIMETHYLPHTHALATE	10.58	163	1140816	27.83	PPB		100
42) 2,6 DINITROTOLUENE	10.68	165	253127	26.08	PPB		99
43) ACENAPHTHYLENE	10.71	152	1270769	24.81	PPB		100

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210919.d Vial: 18
Acq On : 21 Oct 109 10:11 pm Operator:
Sample : bna/atp lcs+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:43 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.86	65	288003	34.78 PPB		99
45) ACENAPHTHENE - CCC	10.96	153	742182	24.33 PPB		93
46) 2,4-DINITROPHENOL - SPCC	11.00	184	242205	51.02 PPB	#	100
47) 4-NITROPHENOL - SPCC	11.07	139	95222	15.99 PPB		97
48) DIBENZOFURAN	11.17	168	1305581	27.88 PPB		100
49) 2,4 DINITROTOLUENE	11.20	165	345019	27.48 PPB		94
50) DIETHYLPHTHLATE	11.53	149	1142583	26.75 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.62	204	585298	26.12 PPB		98
52) FLUORENE	11.64	166	933411	25.87 PPB		99
53) 4-NITROANILINE	11.70	138	183753	39.97 PPB		96
55) 4,6-DINITRO-2-METHYLPHENOL	11.75	198	377257	54.94 PPB	#	98
56) N-NITROSODIPHENYLAMINE	11.79	168	454371	26.88 PPB	#	71
57) 1,2 DIPHENYLHYDRAZINE	11.84	77	1097832	24.34 PPB		96
59) 4-BROMOPHENYLPHENYL ETHER	12.27	51	119196	29.00 PPB		97
60) HEXACHLOROBENZENE	12.49	284	379568	26.31 PPB		99
61) PENTACHLOROPHENOL - CCC	12.74	266	396907	51.94 PPB		98
62) PHENANTHRENE	12.95	178	1429637	27.02 PPB		99
63) ANTHRACENE	13.02	178	1455177	27.03 PPB		99
64) CARBAZOLE	13.23	167	1201260	28.56 PPB		99
65) DI-N-BUTYLPHTHALATE	13.80	149	2141773	28.69 PPB		100
66) FLUORANTHENE - CCC	14.86	202	1567868	27.30 PPB		99
68) BENZIDINE	0.00	184		No Calib		
69) PYRENE	15.28	202	1530189	26.74 PPB		100
71) BUTYLBENZYLPHTHALATE	16.65	149	917898	28.51 PPB		100
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.12	149	1321456	27.79 PPB		99
73) BENZO(A)ANTHRACENE	17.92	228	1389323	27.99 PPB		100
74) CHRYSENE	18.03	228	1304072	28.14 PPB		99
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib	#	
77) DI-N-OCTYL PHTHALATE - CCC	19.73	149	2208715	28.24 PPB		100
78) BENZO(B)FLOURANTHENE	20.73	252	1377024	28.46 PPB		95
79) BENZO(K)FLUORANTHENE	20.78	252	1122240	25.76 PPB	m	75
80) BENZO(A)PYRENE - CCC	21.56	252	1137749	32.34 PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.42	278	901763	28.19 PPB		100
82) INDENO(1,2,3-CD)PYRENE	24.39	276	1080011	28.15 PPB		100
83) BENZO(G,H,I)PERYLENE	25.01	276	866428	27.65 PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109bz\10210919.d Vial: 18
Acq On : 21 Oct 109 10:11 pm Operator:
Sample : bna/atp lcs+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 10:05 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

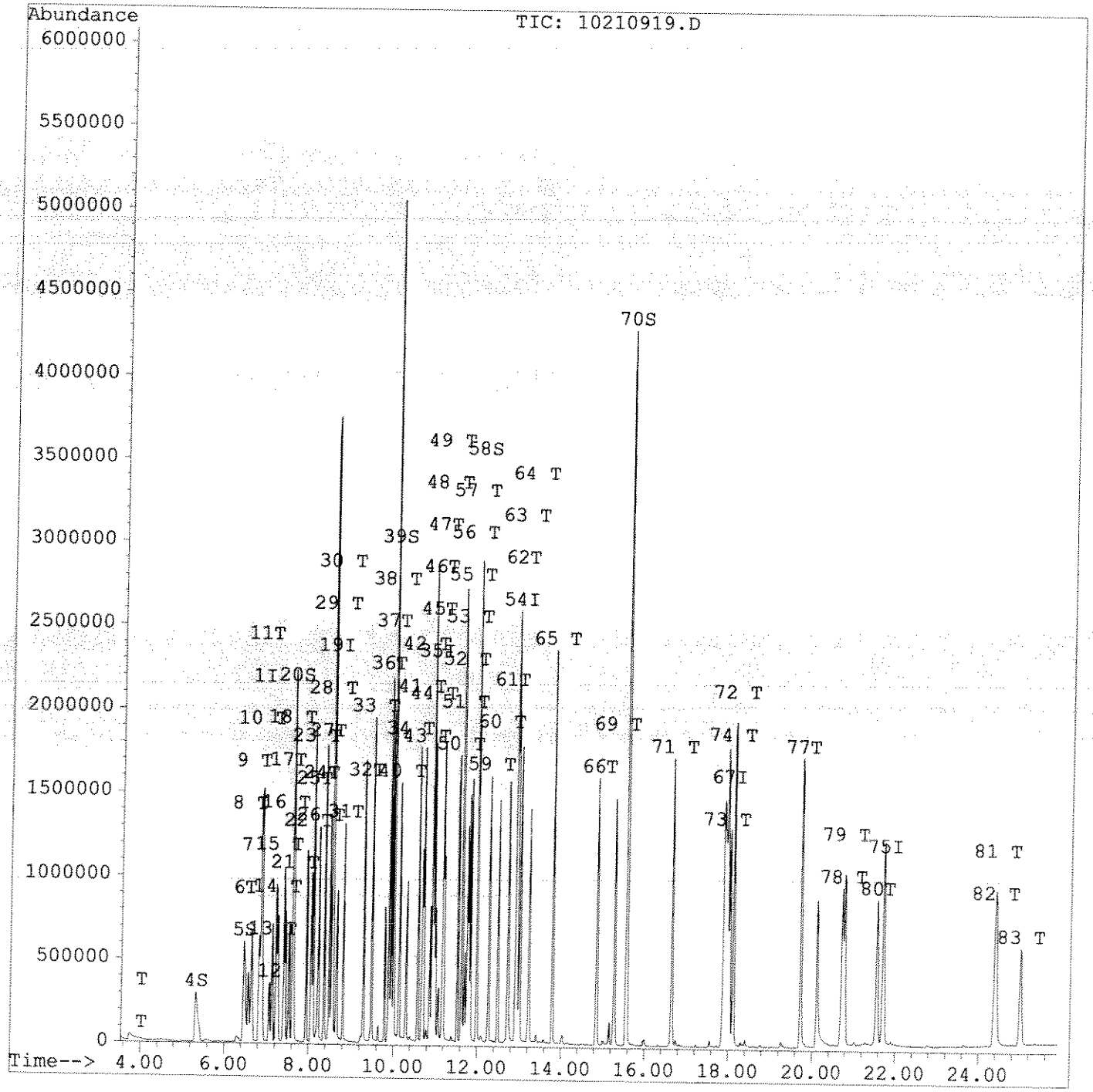
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	840519	40.00	PPB	-0.01
2) NAPHTHALENE-d8 INT. STD.	8.54	136	1935704	40.00	PPB	-0.01
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1025776	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	1854463	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.96	240	1875019	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.72	264	1426413	40.00	PPB	-0.01
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1247413	65.47	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	2850486	74.52	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	3367780	84.95	PPB	
Target Compounds						Qvalue
8) BENZIDINE	0.00	184		Not Detected		
11) 3,3'-DICHLOROBENZIDINE	17.88	252	752194	39.35	PPB	100

(#) = qualifier out of range (m) = manual integration
10210919.d BZ101309.M Thu Oct 22 10:07:41 2009

Quantitation Report

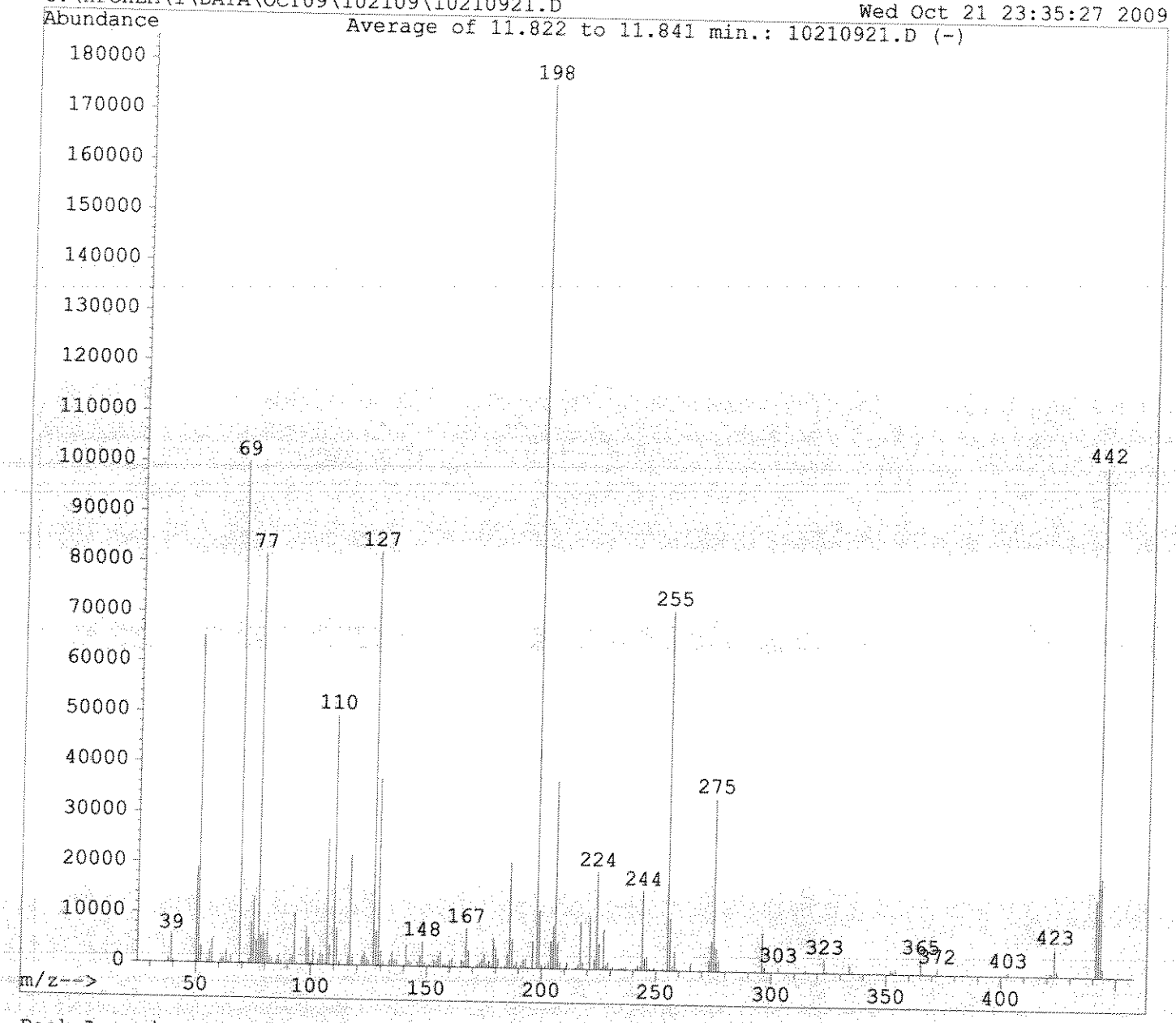
Data File : c:\hpchem\1\data\oct09\102109\10210919.d Vial: 18
Acq On : 21 Oct 109 10:11 pm Operator:
Sample : bna/atp lcs+30+50+40 - water Inst : SVGCMS2
Misc : 10/20/09, cc09-2/r09-1 Multiplr: 1.00
Quant Time: Oct 22 9:43 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



DFTPP 625 Results

C:\HPCHEM\1\DATA\OCT09\102109\10210921.D Wed Oct 21 23:35:27 2009



Peak Apex is scan: 289
Average of 3 scans: 288,289,290 minus background scan 285

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	37.1	PASS
68	69	0	2	0.0	PASS
69	198	0	100	56.9	PASS
70	69	0	2	0.3	PASS
127	198	40	60	46.9	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.6	PASS
275	198	10	30	19.5	PASS
365	198	1	100	1.7	PASS
441	443	0	100	77.5	PASS
442	198	40	100	57.7	PASS
443	442	17	23	19.4	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210922.D Vial: 3
Acq On : 21 Oct 109 11:44 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	138	-0.02
2	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	137	0.00
3	S	NITROBENZENE-d5 SURR.	0.394	0.411	-4.4	137	0.00
4	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	140	0.00
5	S	2-FLUOROBIPHENYL SURR.	1.492	1.513	-1.4	132	0.00
6	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	142	-0.01
7	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	141	-0.02
8	T	BENZIDINE	0.654	0.719	-9.9	161#	-0.01
9	S	TERPHENYL-d14 SURR.	0.846	0.867	-2.5	144	0.00
10	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	147	0.00
11	T	3,3'-DICHLOROBENZIDINE	0.536	0.532	0.7	145	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
10130904.D BZ101309.M Thu Oct 22 10:00:31 2009

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210922.D Vial: 3
Acq On : 21 Oct 109 11:44 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 0:10 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

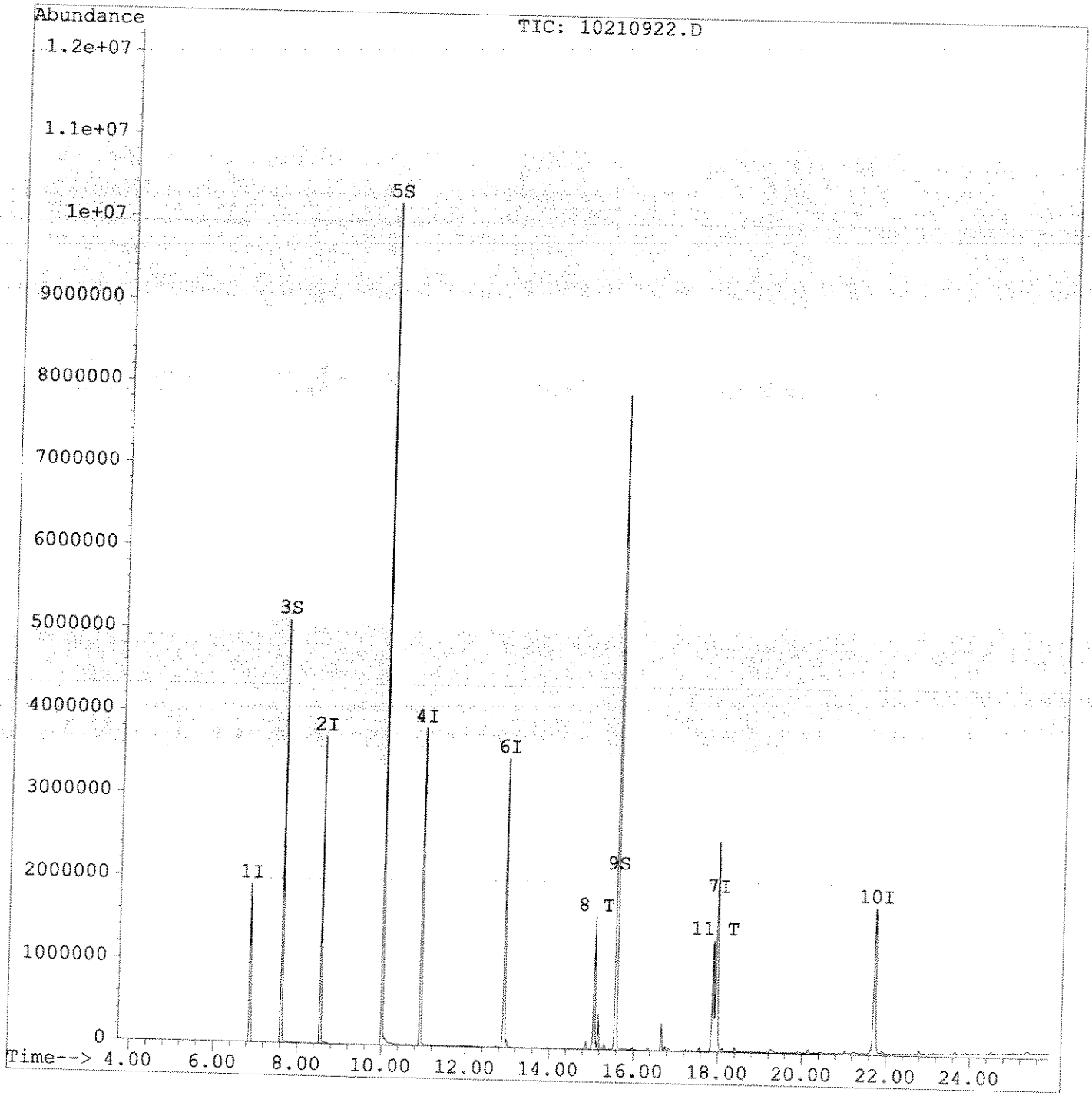
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	1168139	40.00	PPB	-0.02
2) NAPHTHALENE-d8 INT. STD.	8.55	136	2736673	40.00	PPB	0.00
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	1509795	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.91	188	2760691	40.00	PPB	-0.01
7) CHRYSENE-d12 INT. STD.	17.97	240	2900346	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.73	264	2222722	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	2811408	104.38	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.01	172	5710812	101.43	PPB	
9) TERPHENYL-d14 SURR.	15.59	244	6285859	102.50	PPB	
Target Compounds						Qvalue
8) BENZIDINE	15.07	184	1564467	32.97	PPB	99
11) 3,3'-DICHLOROBENZIDINE	17.89	252	887630	29.80	PPB	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210922.D Vial: 3
Acq On : 21 Oct 109 11:44 pm Operator:
Sample : bz std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 0:10 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\OCT09\102109\10210923.D Vial: 4
Acq On : 22 Oct 109 12:19 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
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 : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	I	1,4-DICHLOROBENZENE-d4 INT.	1.000	1.000	0.0	108	0.02
2	T	N-NITROSODIMETHYLAMINE	0.372	0.386	-3.6	111	-0.01
3	T	PYRIDINE	0.611	0.628	-2.8	109	0.01
4	S	2-FLUOROPHENOL SURR.	0.666	0.686	-3.0	109	0.01
5	S	PHENOL-d6 SURR.	0.788	0.816	-3.5	108	0.01
6	T	PHENOL - CCC	0.891	0.912	-2.3	111	0.01
7		aniline	0.810	0.726	10.3	94	0.01
8	T	BIS(2-CHLOROETHYL)ETHER	0.817	0.946	-15.7	131	0.01
9	T	2-CHLOROPHENOL	0.777	0.799	-2.9	114	0.01
10	T	1,3 DICHLOROBENZENE	0.886	0.884	0.2	103	0.00
11	T	1,4 DICHLOROBENZENE - CCC	0.915	0.952	-4.1	112	0.02
12		benzyl alcohol	0.643	0.686	-6.7	116	0.02
13	T	1,2-DICHLOROBENZENE	0.894	0.906	-1.4	109	0.00
14	T	2-METHYLPHENOL	0.656	0.674	-2.8	110	0.02
15	T	BIS(2-CHLOROISOPROPYL)ETHER	0.852	0.915	-7.4	109	0.00
16	T	4-METHYLPHENOL	0.827	0.856	-3.5	113	0.02
17	T	N-NITROSO-DI-N-PROPYLAMINE	0.480	0.517	-7.8	108	0.00
18	T	HEXACHLOROETHANE	0.421	0.456	-8.4	112	0.00
19	I	NAPHTHALENE-d8 INT. STD.	1.000	1.000	0.0	113	0.00
20	S	NITROBENZENE-d5 SURR.	0.404	0.422	-4.7	109	0.00
21	T	NITROBENZENE	0.446	0.451	-1.1	116	0.00
22	T	ISOPHORONE	0.833	0.864	-3.8	113	0.02
23	T	2,4 DIMETHYLPHENOL	0.327	0.336	-2.8	115	0.00
24	T	benzoic acid	0.219	0.248	-13.0	135	0.03
25	T	2-NITROPHENOL - CCC	0.233	0.258	-10.6	112	0.00
26	T	BIS(2-CHLOROETHOXY)METHANE	0.457	0.481	-5.2	108	0.00
27	T	2,4 DICHLOROPHENOL - CCC	0.344	0.351	-2.0	114	0.01
28	T	1,2,4 TRICHLOROBENZENE	0.420	0.437	-4.2	113	0.00
29	T	NAPHTHALENE	1.065	1.076	-1.0	111	0.00
30	T	4-CHLOROANILINE	0.386	0.403	-4.3	113	0.02
31	T	HEXACHLOROBUTADIENE - CCC	0.263	0.277	-5.5	119	0.01
32	T	4-CHLORO-3-METHYLPHENOL - C	0.352	0.365	-3.7	112	0.02
33	T	2-METHYLNAPHTHALENE	0.687	0.694	-0.9	112	0.02
34	T	2-NITROANILINE	0.251	0.272	-8.7	116	0.01
35	I	ACENAPHTHENE-d10 INT. STD.	1.000	1.000	0.0	111	0.01
36	T	HEXACHLOROCYCLOPENTADIENE -	0.392	0.429	-9.3	115	0.02
37	T	2,4,6-TRICHLOROPHENOL - CCC	0.500	0.508	-1.4	115	0.01
38	T	2,4,5 TRICHLOROPHENOL	0.501	0.543	-8.5	119	0.02
39	S	2-FLUOROBIPHENYL SURR.	1.483	1.494	-0.8	111	0.02
40	T	2-CHLORONAPHTHALENE	1.310	1.316	-0.4	112	0.01
41	T	DIMETHYLPHTHALATE	1.598	1.670	-4.5	114	0.00
42	T	2,6 DINITROTOLUENE	0.378	0.410	-8.3	119	0.00
43	T	ACENAPHTHYLENE	1.997	2.030	-1.6	113	0.01
44	T	3-NITROANILINE	0.323	0.413	-28.0#	126	0.01
45	T	ACENAPHTHENE - CCC	1.189	1.183	0.5	113	0.01
46	T	2,4-DINITROPHENOL - SPCC	0.185	0.194	-4.7	141	0.01
47	T	4-NITROPHENOL - SPCC	0.232	0.276	-18.7	132	0.01
48	T	DIBENZOFURAN	1.826	1.850	-1.3	115	0.01
49	T	2,4 DINITROTOLUENE	0.490	0.534	-9.1	111	0.01
50	T	DIETHYLPHTHLATE	1.666	1.734	-4.1	115	0.01
51	T	4-CHLOROPHENYLPHENYL ETHER	0.874	0.939	-7.5	120	0.01
52	T	FLUORENE	1.407	1.427	-1.4	111	0.01

53	T	4-NITROANILINE	0.179	0.203	-13.4	126	0.00
54	I	PHENANTHRENE-d10 INT. STD.	1.000	1.000	0.0	117	0.01
55	T	4,6-DINITRO-2-METHYLPHENOL	0.148	0.169	-13.8	123	0.00
56	T	N-NITROSODIPHENYLAMINE	0.365	0.393	-7.9	121	0.00
57	T	1,2 DIPHENYLHYDRAZINE	0.973	1.009	-3.7	113	0.02
58	S	2,4,6 TRIBROMOPHENOL SURR.	0.158	0.162	-2.6	120	0.00
59	T	4-BROMOPHENYLPHENYL ETHER	0.089	0.096	-8.1	118	0.01
60	T	HEXACHLOROBENZENE	0.311	0.322	-3.3	118	0.01
61	T	PENTACHLOROPHENOL - CCC	0.165	0.188	-14.1	126	0.01
62	T	PHENANTHRENE	1.141	1.168	-2.4	115	0.01
63	T	ANTHRACENE	1.161	1.176	-1.3	114	0.01
64	T	CARBAZOLE	0.907	0.967	-6.6	115	0.00
65	T	DI-N-BUTYLPHTHALATE	1.610	1.712	-6.3	118	0.02
66	T	FLUORANTHENE - CCC	1.239	1.267	-2.3	118	0.02
67	I	CHRYSENE-d12 INT. STD.	1.000	1.000	0.0	119	0.02
69	T	PYRENE	1.221	1.211	0.8	115	0.02
70	S	TERPHENYL-d14 SURR.	0.853	0.865	-1.3	118	0.02
71	T	BUTYLBENZYLPHTHALATE	0.687	0.718	-4.6	117	0.00
72	T	BIS(2-ETHYLHEXYL)PHTHALATE	1.014	1.031	-1.7	117	0.02
73	T	BENZO(A)ANTHRACENE	1.059	1.092	-3.1	124	0.02
74	T	CHRYSENE	0.989	1.005	-1.6	120	0.02
75	I	PERYLENE-d12 INT. STD.	1.000	1.000	0.0	121	0.02
77	T	DI-N-OCTYL PHTHALATE - CCC	2.194	2.348	-7.0	119	0.02
78	T	BENZO(B)FLOURANTHENE	1.357	1.374	-1.3	115	0.02
79	T	BENZO(K)FLUORANTHENE	1.222	1.312	-7.3	131	0.03
80	T	BENZO(A)PYRENE - CCC	0.986	1.032	-4.7	125	0.03
81	T	DIBENZO(A,H)ANTHRACENE	0.897	0.955	-6.5	125	0.02
82	T	INDENO(1,2,3-CD)PYRENE	1.076	1.136	-5.6	124	0.03
83	T	BENZO(G,H,I)PERYLENE	0.879	0.896	-2.0	122	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

10200903.D G2102009.M Thu Oct 22 09:50:04 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210923.d Vial: 4
Acq On : 22 Oct 109 12:19 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:44 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.87	150	992527	40.00	PPB		0.02
19) NAPHTHALENE-d8 INT. STD.	8.55	136	2024808	40.00	PPB		0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	1149758	40.00	PPB		0.01
54) PHENANTHRENE-d10 INT. STD.	12.92	188	2146025	40.00	PPB		0.01
67) CHRYSENE-d12 INT. STD.	17.98	240	2158592	40.00	PPB		0.02
75) PERYLENE-d12 INT. STD.	21.73	264	1615241	40.00	PPB		0.02
System Monitoring Compounds							%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	1703042	102.98	PPB		
5) PHENOL-d6 SURR.	6.46	99	2024371	103.53	PPB		
20) NITROBENZENE-d5 SURR.	7.62	82	2138379	104.67	PPB		
39) 2-FLUOROBIPHENYL SURR.	10.01	172	4295439	100.79	PPB		
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	867205	102.59	PPB		
70) TERPHENYL-d14 SURR.	15.59	244	4666174	101.31	PPB		
Target Compounds							Qvalue
2) N-NITROSODIMETHYLAMINE	3.75	74	287304	31.09	PPB		95
3) PYRIDINE	3.73	79	467504	30.84	PPB	#	100
6) PHENOL - CCC	6.48	94	678957	30.70	PPB		99
7) aniline	6.51	93	540568	26.91	PPB	#	82
8) BIS(2-CHLOROETHYL)ETHER	6.58	93	704205	34.72	PPB		92
9) 2-CHLOROPHENOL	6.65	128	595080	30.88	PPB		100
10) 1,3 DICHLOROBENZENE	6.83	146	658181	29.94	PPB		99
11) 1,4 DICHLOROBENZENE - CCC	6.90	146	708977	31.23	PPB		98
12) benzyl alcohol	7.07	79	510674	32.02	PPB		97
13) 1,2-DICHLOROBENZENE	7.13	146	674406	30.41	PPB		98
14) 2-METHYLPHENOL	7.24	108	501549	30.83	PPB		98
15) BIS(2-CHLOROISOPROPYL)ETHE	7.27	45	681207	32.21	PPB		97
16) 4-METHYLPHENOL	7.42	107	637032	31.06	PPB		98
17) N-NITROSO-DI-N-PROPYLAMINE	7.45	43	384917	32.34	PPB		99
18) HEXACHLOROETHANE	7.53	117	339814	32.53	PPB		99
21) NITROBENZENE	7.65	77	685613	30.33	PPB		99
22) ISOPHORONE	7.95	82	1312699	31.13	PPB		100
23) 2,4 DIMETHYLPHENOL	8.10	107	509855	30.83	PPB		99
24) benzoic acid	8.27	105	376635	33.91	PPB		97
25) 2-NITROPHENOL - CCC	8.07	139	391144	33.17	PPB		96
26) BIS(2-CHLOROETHOXY)METHANE	8.23	93	730090	31.56	PPB		99
27) 2,4 DICHLOROPHENOL - CCC	8.37	162	532949	30.61	PPB		100
28) 1,2,4 TRICHLOROBENZENE	8.49	180	664310	31.27	PPB		99
29) NAPHTHALENE	8.57	128	1634235	30.31	PPB		99
30) 4-CHLOROANILINE	8.66	127	612033	31.28	PPB		100
31) HEXACHLOROBUTADIENE - CCC	8.82	225	420525	31.64	PPB		99
32) 4-CHLORO-3-METHYLPHENOL -	9.30	107	554675	31.12	PPB		98
33) 2-METHYLNAPHTHALENE	9.50	142	1053218	30.27	PPB		98
34) 2-NITROANILINE	10.32	138	413727	32.60	PPB		97
36) HEXACHLOROCYCLOPENTADIENE	9.80	237	369874	32.79	PPB		100
37) 2,4,6-TRICHLOROPHENOL - CC	9.90	196	437724	30.43	PPB		99
38) 2,4,5 TRICHLOROPHENOL	9.96	196	468660	32.54	PPB		98
40) 2-CHLORONAPHTHALENE	10.14	162	1134515	30.13	PPB		100
41) DIMETHYLPHTHALATE	10.59	163	1439746	31.34	PPB		99
42) 2,6 DINITROTOLUENE	10.68	165	353529	32.50	PPB		99
43) ACENAPHTHYLENE	10.72	152	1750092	30.48	PPB		99

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210923.d Vial: 4
Acq On : 22 Oct 109 12:19 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:44 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

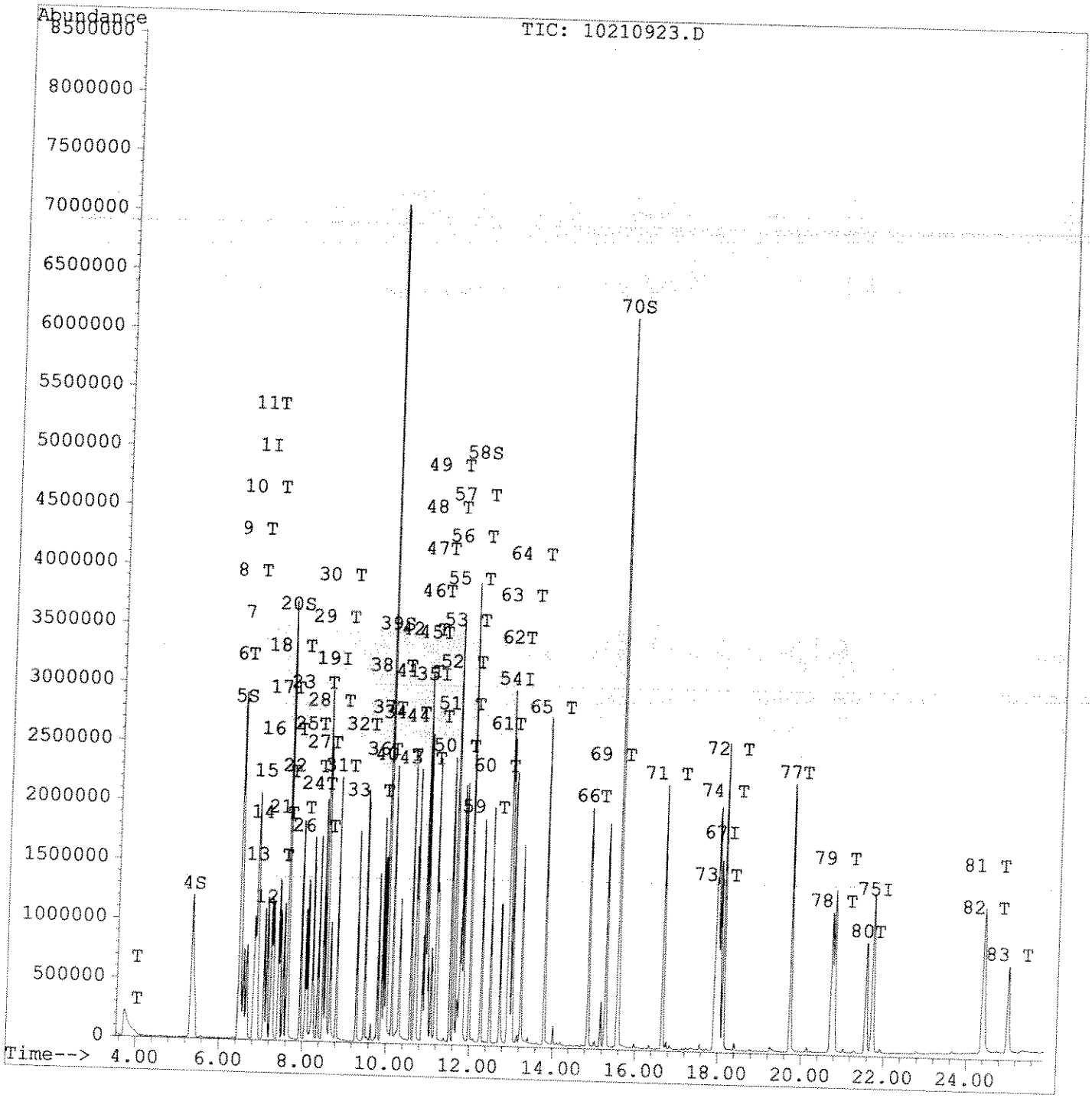
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) 3-NITROANILINE	10.87	65	356472	38.41 PPB		96
45) ACENAPHTHENE - CCC	10.97	153	1020499	29.85 PPB		99
46) 2,4-DINITROPHENOL - SPCC	11.00	184	167178	31.42 PPB	#	100
47) 4-NITROPHENOL - SPCC	11.07	139	237726	35.61 PPB		95
48) DIBENZOFURAN	11.18	168	1595516	30.40 PPB		99
49) 2,4 DINITROTOLUENE	11.21	165	460521	32.72 PPB		95
50) DIETHYLPHTHLATE	11.53	149	1495384	31.23 PPB		99
51) 4-CHLOROPHENYLPHENYL ETHER	11.62	204	809986	32.25 PPB		97
52) FLUORENE	11.64	166	1230575	30.42 PPB		99
53) 4-NITROANILINE	11.70	138	175318	34.02 PPB		92
55) 4,6-DINITRO-2-METHYLPHENOL	11.76	198	271232	34.13 PPB	#	98
56) N-NITROSODIPHENYLAMINE	11.79	168	633027	32.36 PPB	#	73
57) 1,2 DIPHENYLHYDRAZINE	11.84	77	1624183	31.12 PPB		84
59) 4-BROMOPHENYLPHENYL ETHER	12.27	51	154233	32.43 PPB		97
60) HEXACHLOROBENZENE	12.49	284	517486	30.99 PPB		99
61) PENTACHLOROPHENOL - CCC	12.74	266	302587	34.22 PPB		97
62) PHENANTHRENE	12.95	178	1880453	30.71 PPB		100
63) ANTHRACENE	13.02	178	1893577	30.39 PPB		100
64) CARBAZOLE	13.24	167	1556656	31.98 PPB		98
65) DI-N-BUTYLPHTHALATE	13.81	149	2755185	31.90 PPB		100
66) FLUORANTHENE - CCC	14.86	202	2039627	30.69 PPB		99
68) BENZIDINE	0.00	184		No Calib		
69) PYRENE	15.29	202	1960197	29.75 PPB		100
71) BUTYLBENZYLPHTHALATE	16.66	149	1162741	31.37 PPB		99
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.12	149	1669509	30.50 PPB		99
73) BENZO(A)ANTHRACENE	17.92	228	1767581	30.93 PPB		99
74) CHRYSENE	18.03	228	1626695	30.49 PPB		100
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib	#	
77) DI-N-OCTYL PHTHALATE - CCC	19.74	149	2844559	32.11 PPB		100
78) BENZO(B)FLOURANTHENE	20.73	252	1664345	30.38 PPB		95
79) BENZO(K)FLUORANTHENE	20.80	252	1588958	32.20 PPB	m	55
80) BENZO(A)PYRENE - CCC	21.58	252	1250722	31.40 PPB		98
81) DIBENZO(A,H)ANTHRACENE	24.42	278	1157410	31.95 PPB		99
82) INDENO(1,2,3-CD)PYRENE	24.40	276	1376457	31.68 PPB		100
83) BENZO(G,H,I)PERYLENE	25.02	276	1085456	30.60 PPB		98

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

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210923.d Vial: 4
Acq On : 22 Oct 109 12:19 am Operator:
Sample : bna std 30 ppb s09-1 Inst : SVGCMS2
Misc : Multiplr: 1.00
Quant Time: Oct 22 9:44 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210924.d Vial: 20
Acq On : 22 Oct 109 12:53 am Operator:
Sample : bna smp 399.00*1 tcl 1L Inst : SVGCMS2
Misc : 10/20/09, cat "B" pkg Multiplr: 1.00
Quant Time: Oct 22 1:19 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.88	150	706537	40.00	PPB	0.02
19) NAPHTHALENE-d8 INT. STD.	8.54	136	1681960	40.00	PPB	0.00
35) ACENAPHTHENE-d10 INT. STD.	10.92	162	940855	40.00	PPB	0.01
54) PHENANTHRENE-d10 INT. STD.	12.92	188	1686949	40.00	PPB	0.01
67) CHRYSENE-d12 INT. STD.	17.96	240	1646926	40.00	PPB	0.00
75) PERYLENE-d12 INT. STD.	21.72	264	1241100	40.00	PPB	0.02
System Monitoring Compounds						%Recovery
4) 2-FLUOROPHENOL SURR.	5.33	112	411872	34.99	PPB	
5) PHENOL-d6 SURR.	6.46	99	327119	23.50	PPB	
20) NITROBENZENE-d5 SURR.	7.62	82	1226722	72.29	PPB	
39) 2-FLUOROBIPHENYL SURR.	10.00	172	2477492	71.04	PPB	
58) 2,4,6 TRIBROMOPHENOL SURR.	11.99	330	419247	63.09	PPB	
70) TERPHENYL-d14 SURR.	15.58	244	2767182	78.75	PPB	
Target Compounds						Qvalue
2) N-NITROSODIMETHYLAMINE	0.00	74		Not Detected		
3) PYRIDINE	0.00	79		Not Detected		
6) PHENOL - CCC	0.00	94		Not Detected		
7) aniline	0.00	93		Not Detected		
8) BIS(2-CHLOROETHYL)ETHER	0.00	93		Not Detected		
9) 2-CHLOROPHENOL	0.00	128		Not Detected		
10) 1,3 DICHLOROBENZENE	0.00	146		Not Detected		
11) 1,4 DICHLOROBENZENE - CCC	0.00	146		Not Detected		
12) benzyl alcohol	0.00	79		Not Detected		
13) 1,2-DICHLOROBENZENE	0.00	146		Not Detected		
14) 2-METHYLPHENOL	0.00	108		Not Detected		
15) BIS(2-CHLOROISOPROPYL)ETHE	0.00	45		Not Detected		
16) 4-METHYLPHENOL	0.00	107		Not Detected		
17) N-NITROSO-DI-N-PROPYLAMINE	7.46	43	2629	0.31	PPB #	21
18) HEXACHLOROETHANE	0.00	117		Not Detected		
21) NITROBENZENE	0.00	77		Not Detected		
22) ISOPHORONE	0.00	82		Not Detected		
23) 2,4 DIMETHYLPHENOL	0.00	107		Not Detected		
24) benzoic acid	8.19	105	10132	1.10	PPB	88
25) 2-NITROPHENOL - CCC	0.00	139		Not Detected		
26) BIS(2-CHLOROETHOXY)METHANE	0.00	93		Not Detected		
27) 2,4 DICHLOROPHENOL - CCC	0.00	162		Not Detected		
28) 1,2,4 TRICHLOROBENZENE	0.00	180		Not Detected		
29) NAPHTHALENE	0.00	128		Not Detected		
30) 4-CHLOROANILINE	0.00	127		Not Detected		
31) HEXACHLOROBUTADIENE - CCC	0.00	225		Not Detected		
32) 4-CHLORO-3-METHYLPHENOL -	0.00	107		Not Detected		
33) 2-METHYLNAPHTHALENE	0.00	142		Not Detected		
34) 2-NITROANILINE	0.00	138		Not Detected		
36) HEXACHLOROCYCLOPENTADIENE	0.00	237		Not Detected		
37) 2,4,6-TRICHLOROPHENOL - CC	0.00	196		Not Detected		
38) 2,4,5 TRICHLOROPHENOL	0.00	196		Not Detected		
40) 2-CHLORONAPHTHALENE	0.00	162		Not Detected		
41) DIMETHYLPHTHALATE	0.00	163		Not Detected		
42) 2,6 DINITROTOLUENE	0.00	165		Not Detected		
43) ACENAPHTHYLENE	0.00	152		Not Detected		

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

Quantitation Report

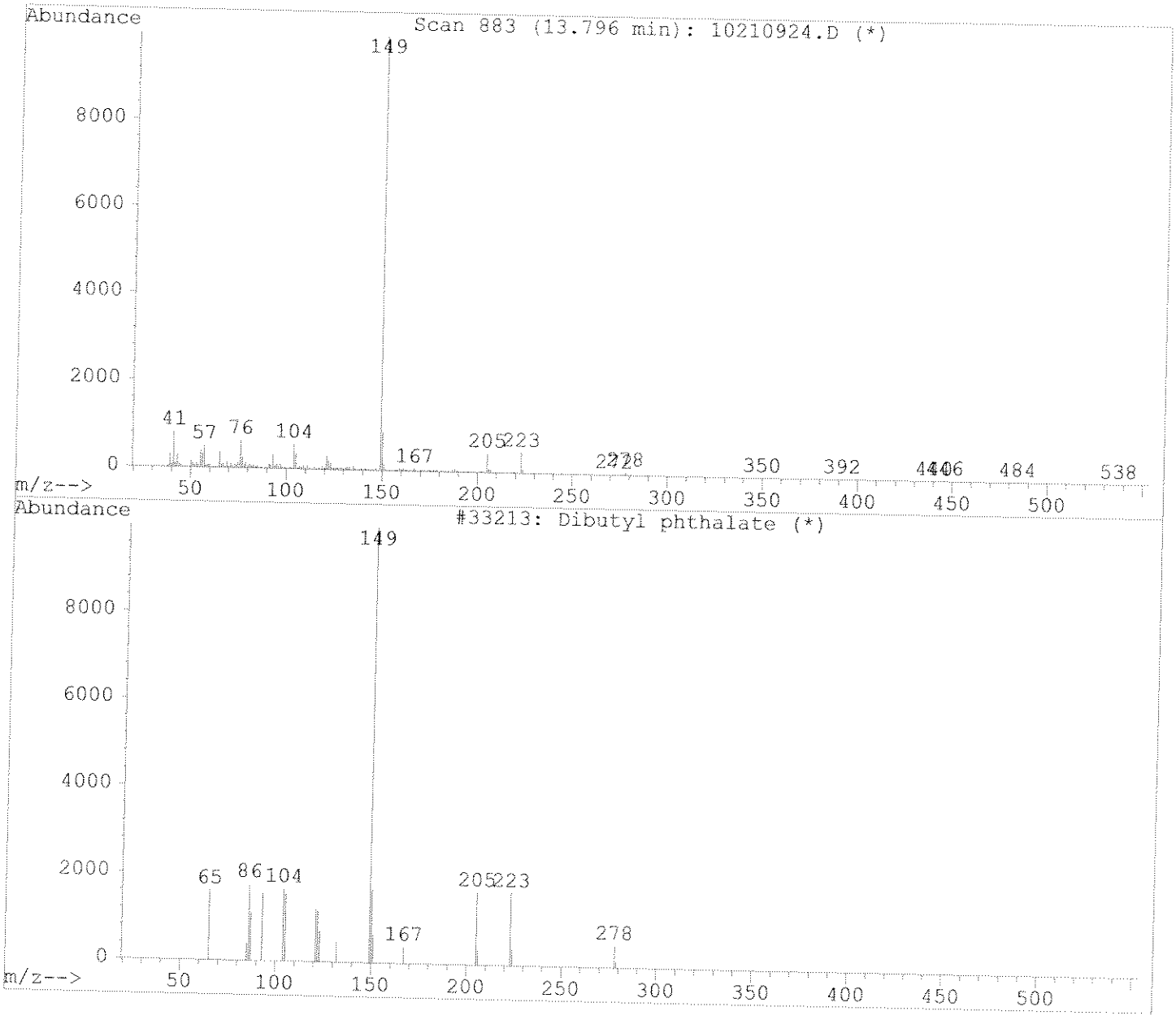
Data File : c:\hpchem\1\data\oct09\102109\10210924.d Vial: 20
Acq On : 22 Oct 109 12:53 am Operator:
Sample : bna smp 399.00*1 tcl 1L Inst : SVGCMS2
Misc : 10/20/09, cat "B" pkg Multiplr: 1.00
Quant Time: Oct 22 1:19 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) 3-NITROANILINE	10.92	65	7169	~~0.94~~ PPB #	57
45) ACENAPHTHENE - CCC	0.00	153		Not Detected	
46) 2,4-DINITROPHENOL - SPCC	0.00	184		Not Detected	
47) 4-NITROPHENOL - SPCC	11.08	139	1754	0.32 PPB #	60
48) DIBENZOFURAN	0.00	168		Not Detected	
49) 2,4 DINITROTOLUENE	0.00	165		Not Detected	
50) DIETHYLPHTHLATE	0.00	149		Not Detected	
51) 4-CHLOROPHENYLPHENYL ETHER	0.00	204		Not Detected	
52) FLUORENE	0.00	166		Not Detected	
53) 4-NITROANILINE	0.00	138		Not Detected	
55) 4,6-DINITRO-2-METHYLPHENOL	0.00	198		Not Detected	
56) N-NITROSODIPHENYLAMINE	0.00	168		Not Detected	
57) 1,2 DIPHENYLHYDRAZINE	0.00	77		Not Detected	
59) 4-BROMOPHENYLPHENYL ETHER	0.00	51		Not Detected	
60) HEXACHLOROBENZENE	0.00	284		Not Detected	
61) PENTACHLOROPHENOL - CCC	0.00	266		Not Detected	
62) PHENANTHRENE	0.00	178		Not Detected	
63) ANTHRACENE	0.00	178		Not Detected	
64) CARBAZOLE	0.00	167		Not Detected	
65) DI-N-BUTYLPHTHALATE	13.80	149	130861	1.93 PPB	96 MB=0.47
66) FLUORANTHENE - CCC	0.00	202		Not Detected	
68) BENZIDINE	0.00	184		No Calib	
69) PYRENE	0.00	202		Not Detected	
71) BUTYLBENZYLPHTHALATE	16.65	149	31154	1.10 PPB	95
72) BIS(2-ETHYLHEXYL)PHTHALATE	18.12	149	126336	3.03 PPB	97 MB=0.97
73) BENZO(A)ANTHRACENE	0.00	228		Not Detected	
74) CHRYSENE	0.00	228		Not Detected	
76) 3,3'-DICHLOROBENZIDINE	0.00	252		No Calib #	
77) DI-N-OCTYL PHTHALATE - CCC	0.00	149		Not Detected	
78) BENZO(B)FLOURANTHENE	0.00	252		Not Detected	
79) BENZO(K)FLUORANTHENE	0.00	252		Not Detected	
80) BENZO(A)PYRENE - CCC	0.00	252		Not Detected	
81) DIBENZO(A,H)ANTHRACENE	0.00	278		Not Detected	
82) INDENO(1,2,3-CD)PYRENE	0.00	276		Not Detected	
83) BENZO(G,H,I)PERYLENE	0.00	276		Not Detected	

(#) = qualifier out of range (m) = manual integration
10210924.d G2102009.M Thu Oct 22 09:50:48 2009

Library Searched : C:\DATABASE\NBS54K.L
Quality : 10
ID : Dibutyl phthalate



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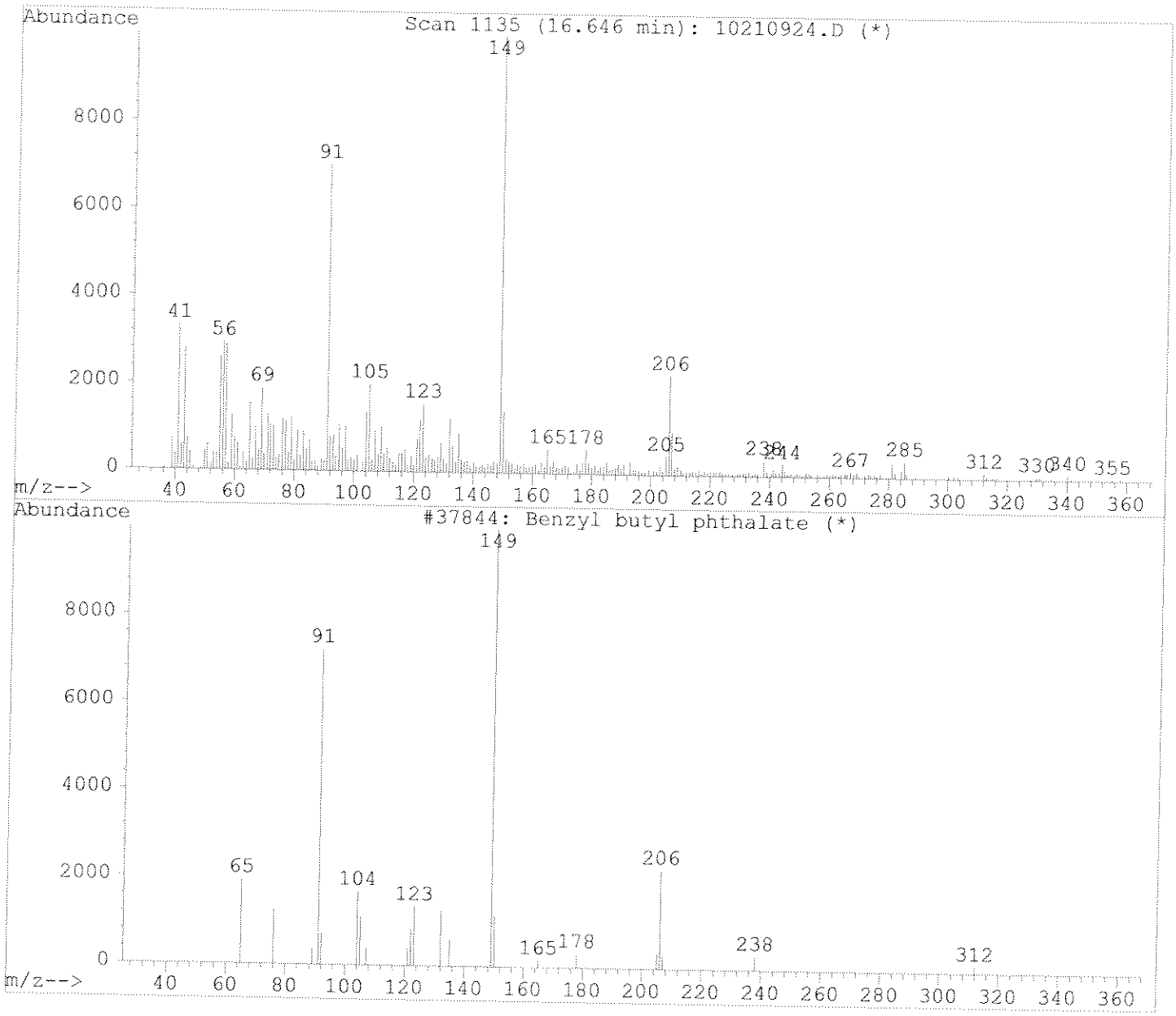
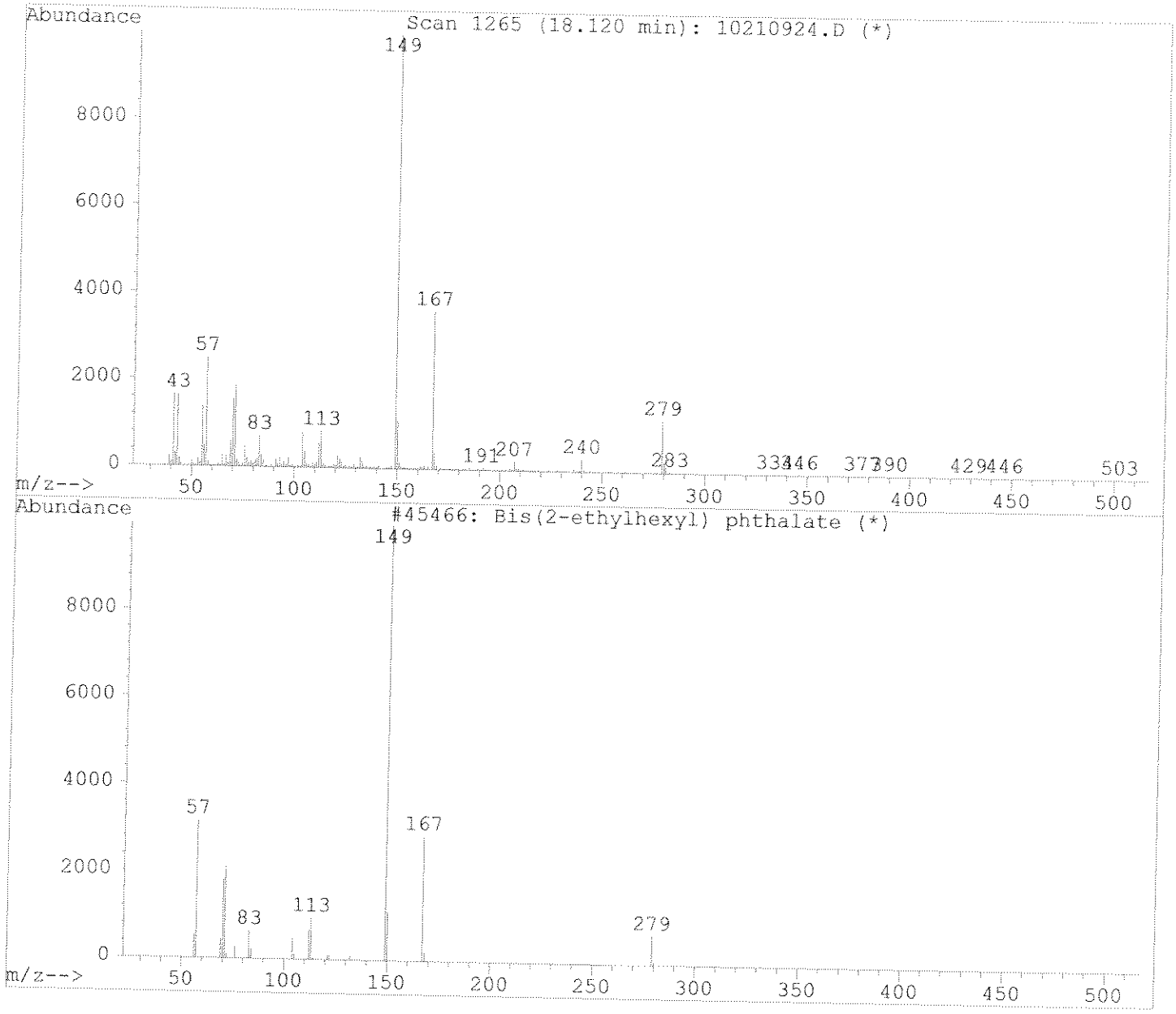


Library Searched : C:\DATABASE\NBS54K.L
Quality : 90
ID : Bis(2-ethylhexyl) phthalate



Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109bz\10210924.d Vial: 20
Acq On : 22 Oct 109 12:53 am Operator:
Sample : bna smp 399.00*1 tcl 1L Inst : SVGCMS2
Misc : 10/20/09, cat "B" pkg Multiplr: 1.00
Quant Time: Oct 22 10:05 19109

Method : C:\HPCHEM\1\METHODS\BZ101309.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 13 16:29:37 2009
Response via : Multiple Level Calibration

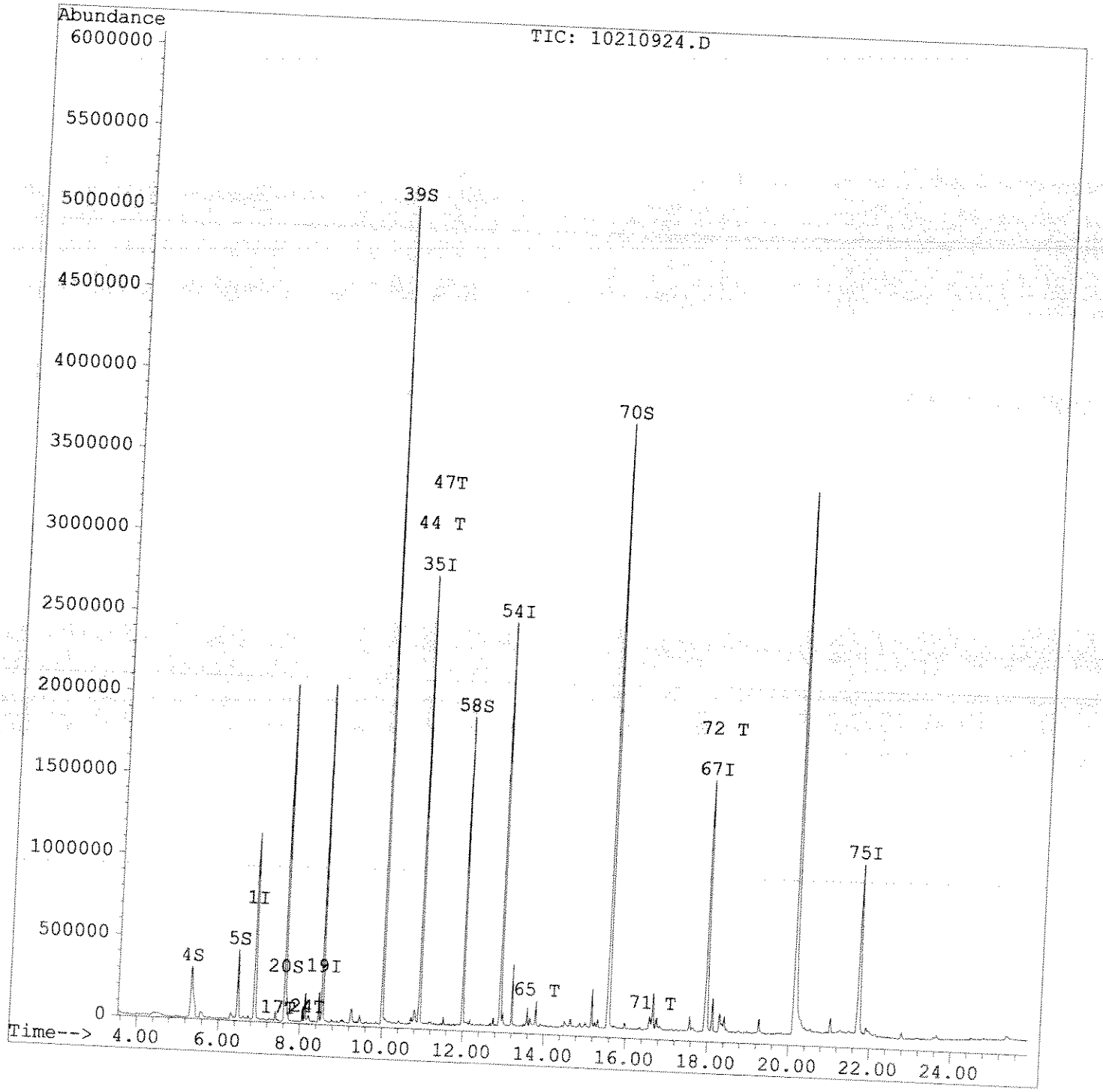
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DICHLOROBENZENE-d4 INT	6.88	150	708133	40.00	PPB	0.00
2) NAPHTHALENE-d8 INT. STD.	8.54	136	1679358	40.00	PPB	-0.02
4) ACENAPHTHENE-d10 INT. STD.	10.92	162	940855	40.00	PPB	0.00
6) PHENANTHRENE-d10 INT. STD.	12.92	188	1686949	40.00	PPB	0.00
7) CHRYSENE-d12 INT. STD.	17.96	240	1646926	40.00	PPB	-0.02
10) PERYLENE-d12 INT. STD.	21.72	264	1241100	40.00	PPB	0.00
System Monitoring Compounds						%Recovery
3) NITROBENZENE-d5 SURR.	7.62	82	1222908	73.99	PPB	
5) 2-FLUOROBIPHENYL SURR.	10.00	172	2485056	70.83	PPB	
9) TERPHENYL-d14 SURR.	15.58	244	2767182	79.47	PPB	
Target Compounds						Qvalue
8) BENZIDINE	0.00	184		Not Detected		
11) 3,3'-DICHLOROBENZIDINE	0.00	252		Not Detected		

(#) = qualifier out of range (m) = manual integration
10210924.d BZ101309.M Thu Oct 22 10:07:41 2009

Quantitation Report

Data File : c:\hpchem\1\data\oct09\102109\10210924.d Vial: 20
Acq On : 22 Oct 109 12:53 am Operator:
Sample : bna smp 399.00*1 tcl 1L Inst : SVGCMS2
Misc : 10/20/09, cat "B" pkg Multiplr: 1.00
Quant Time: Oct 22 1:19 19109

Method : C:\HPCHEM\1\METHODS\G2102009.M
Title : BASE/NEUTRALS & ACID EXTRACTABLES
Last Update : Tue Oct 20 15:40:05 2009
Response via : Multiple Level Calibration



VOCs BY EPA METHOD 8260 - QC DELIVERABLES

Category B-EPA 8260C

Water samples: 294399.00

Conformance/Nonconformance Summary
Ecotest Sample ID: 294399
QC criteria were met for the following unless stated otherwise:

* Method blank
* MDL study
* Surrogate recoveries
* Matrix Spike & Matrix Spike Duplicate RPD
* Matrix Spike & Matrix Spike Duplicate % recoveries.
  MSD for methylene chloride and methyl ethyl ketone were slightlty above the established limits.
  MS and MSD for cis-1,3-dichloropropene and trans-1,3-dichloropropene were slighty above the established limits.
  [refer to ms/msd summary]
* Reference sample
* Holding Time (USEPA SW846)
* Initial instrument calibration & continuing calibration
* GCMS Tune criteria
* Internal Standard Recovery

Lab Chronicle

Laboratory Number	Date Collected	Date Received	Instrument Name	Sample	Date Extracted	Date of Analysis	8260 Holding Time (days)
294399.00	10/19/09	10/19/09	GCMSV#5	Storm Water 1	na	10/20/09	1

Analytical Results Summary Method 8260C GCMSV5

Lab Number	Sample Aliqout	Extract Volume (CH3OH)	Extract Aliqout Vol.	Final Volume	Dilutin Factor	Column
294399.00	5ml	na	na	5ml	1	DB-VRX20m x 0.18mm

Method Detection and Practical Quantitation Limits for Aqeous Samples GCMSV5 EPA Method 8260

Compound	MDL (ug/L)	PQL (ug/L)	Compound	MDL (ug/L)	PQL (ug/L)
dichlorodifluoromethane	0.10	1	tetrachloroethene	0.17	1
chlorodifluoromethane	0.26	1	dibromochloromethane	0.16	1
chloromethane	0.16	1	1,2-dibromoethane	0.17	1
vinyl chloride	0.20	1	chlorobenzene	0.09	1
bromomethane	0.49	1	1,1,1,2-tetrachloroethane	0.14	1
chloroethane	0.33	1	ethylbenzene	0.14	1
trichlorofluoromethane	0.11	1	m+p xylene	0.36	2
freon	0.27	1	o-xylene	0.23	1
acetone	1.39	10	styrene	0.09	1
1,1-dichloroethene	0.22	1	bromoform	0.23	1
methylene chloride	0.31	1	isopropylbenzene	0.09	1
carbon disulfide	0.22	1	1,1,2,2-tetrachloroethane	0.21	1
tert-butylmethylether	0.16	1	1,2,3-trichloropropane	0.26	1
trans-1,2-dichloroethene	0.15	1	n-propylbenzene	0.11	1
vinyl acetate	0.24	10	bromobenzene	0.21	1
1,1-dichloroethane	0.09	1	p-ethyltoluene	0.13	1
methyl ethyl ketone	0.77	10	1,3,5-trimethylbenzene	0.11	1
2,2-dichloropropane	0.15	1	2-chlorotoluene	0.14	1
cis-1,2-dichloroethene	0.19	1	4-chlorotoluene	0.15	1
chloroform	0.08	1	tert-butylbenzene	0.20	1
bromochloromethane	0.22	1	1,2,4-trimethylbenzene	0.15	1
1,1,1-trichloroethane	0.19	1	sec-butylbenzene	0.10	1
1,1-dichloropropene	0.20	1	4-isopropyltoluene	0.14	1
carbon tetrachloride	0.26	1	1,3-dichlorobenzene	0.13	1
1,2-dichloroethane	0.09	1	1,4-dichlorobenzene	0.27	1
benzene	0.11	1	1,2,3-trimethylbenzene	0.07	1
trichloroethene	0.22	1	n-butylbenzene	0.13	1
1,2-dichloropropane	0.29	1	p-diethylbenzene	0.19	1
bromodichloromethane	0.15	1	1,2-dichlorobenzene	0.12	1
dibromomethane	0.24	1	1,2,4,5-tetramethylbenzene	0.09	1
2-chloroethylvinylether	0.23	1	1,2-dibromo-3-chloropropan	0.41	1
4-methyl-2-pentanone	0.42	10	1,2,4-trichlorobenzene	0.23	1
cis-1,3-dichloropropene	0.20	1	hexachlorobutadiene	0.17	1
toluene	0.15	1	naphthalene	0.14	1
trans-1,3-dichloropropene	0.21	1	1,2,3-trichlorobenzene	0.19	1
1,1,2-trichloroethane	0.19	1	Acrolein	0.68	5
2-hexanone	0.42	10	Acrylonitrile	0.23	1
1,3-dichloropropane	0.19	1			

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

water blank 5ml

Lab Name: Ecotest Labs, Inc. Contract:

Project No.: Site: Location: Group:

Lab File ID: 10200906.d Lab Sample ID: water blank 5ml

Date Analyzed: 10/23/09 Time Analyzed: 1043

GC Column: J&W DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMSV#5

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	294399.00 5ml	Sample	10200908.d	11:28
02	294399.00 5ml MS + 20	Matrix spike	10200910.d	12:13
03	294399.00 5ml MSD + 20	Matrix spike dup	10200911.d	12:35
04	reference 10ug/L	second source	10200907.d	11:06
05				
06				
07				
08				
09				
10				

Date Time Summary GCMSV5 Method 8260C

Sample	Date	Time	Sample Type
bfb 50ng	10/14/09	16:16	BFB Tune Check
water stnd 5ug/L	10/14/09	17:18	Initial Calibration
water stnd 10ug/L	10/14/09	17:40	Initial Calibration
water stnd 15ug/L	10/14/09	18:03	Initial Calibration
water stnd 20ug/L	10/14/09	18:25	Initial Calibration
water stnd 50ug/L	10/14/09	19:09	Initial Calibration
water stnd 100ug/L	10/14/09	19:32	Initial Calibration
bfb 50ng	10/20/09	9:14	BFB Tune Check
water stnd 20ug/L	10/20/09	9:32	Continuing Calibration
water stnd 1ug/L	10/20/09	10:16	low level standard
water blank 5ml	10/20/09	10:43	method blank
reference 10ug/L	10/20/09	11:06	second source reference standard
294399.00 5ml	10/20/09	11:28	Sample
294399.00 5ml MS + 20	10/20/09	12:13	matrix spike
294399.00 5ml MSD + 20	10/20/09	12:35	matrix spike duplicate

Surrogate Compound Recovery Results Summary Method 8260C GCMSV5

Surrogate Compound*	QC Limits
12-Dichloroethane-d4	78.3% –> 124.8%
Toluene-d8	79.3% –> 121.9%
4-Bromofluorobenzene	69.6% –>134%

Date of Analysis	Sample	1,2-Dichlorethane-d4 % Recovery	Toluene-d8 % Recovery	4-Bromofluorobenzene % Recovery
10/20/09	water blank 5ml	101.7	100.6	98.9
10/20/09	294399.00 5ml	104.3	100.1	102.0
10/20/09	294399.00 5ml MS +20	99.8	101.9	107.9
10/20/09	294399.00 5ml MSD + 20	105.6	101.8	109.7
10/20/09	reference 10ug/L	105.5	102.2	105.4

*All Samples were spiked with 50ug/L of all surrogate compounds.
**Above QC limits.

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV5

Instrument ID: GC/MSV5
Date of Analysis: 10/20/09
Sample Spiked: 294399.00 5ml
Associated Samples: 294399.00 5ml

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	
Chloromethane	0	20	21.6	108	22.8	114	6	44-->143	16	
Vinyl chloride	0	20	22.6	113	23.6	118	5	53 -->133	15	
Bromomethane	0	20	20.2	101	20.6	103	2	25 -->146	26	
Chloroethane	0	20	21.4	107	22.2	111	4	62 -->127	18	
Acetone	0	100	111.8	112	120.7	121	8	57 -->133	14	
1,1-Dichloroethene	0	20	23.0	115	23.7	119	3	56 -->136	14	
Methylene chloride	0	20	23.6	118	24.7	123	5	63 -->123	10	#
Carbon Disulfide	0	20	21.5	107	22.6	112	5	67-->113	12	
trans-1,2-Dichloroethene	0	20	23.4	117	23.9	120	2	63 -->128	14	
1,1-Dichloroethane	0	20	23.4	117	23.7	119	1	73 -->141	10	
Methyl ethyl ketone	0	100	120.9	121	130.1	130	7	62 -->123	12	#
cis-1,2-Dichloroethene	0	20	23.5	117	24.4	122	4	69 -->127	11	
Chloroform	0	20	23.3	117	23.8	119	2	71 -->122	10	
1,1,1-Trichloroethane	0	20	22.2	111	23.1	115	4	69 -->129	12	
Carbon tetrachloride	0	20	21.0	105	21.3	107	2	72 -->122	12	
1,2-Dichloroethane	0	20	22.2	111	22.6	113	2	75 -->123	21	
Benzene	0	20	22.4	112	23.0	115	2	77 -->119	10	
Trichloroethene	0	20	22.2	111	22.8	114	2	75 -->123	12	
1,2-Dichloropropane	0	20	22.0	110	22.5	113	2	79 -->117	10	
Bromodichloromethane	0	20	21.0	105	21.9	110	5	80 -->115	10	
Methyl isobutyl ketone	0	100	121.3	121	125.3	125	3	60 -->127	9	
cis-1,3-Dichloropropene	0	20	22.3	112	23.0	115	3	80 -->112	9	#
Toluene	0	20	22.1	110	22.8	114	3	73 -->130	9	
trans-1,3-Dichloropropene	0	20	22.5	113	23.2	116	3	81 -->111	8	#
1,1,2-Trichloroethane	0	20	22.4	112	22.4	112	0	79 -->116	9	
2-Hexanone	0	100	108.9	109	114.0	114	5	51-->175	19	
Tetrachloroethene	0	20	20.7	104	21.1	105	2	74 -->120	14	
Dibromochloromethane	0	20	18.8	94	19.7	98	4	76 -->108	8	
Chlorobenzene	0	20	20.6	103	20.9	105	1	86 -->110	12	
Ethyl Benzene	0	20	20.8	104	21.1	106	2	77 -->118	12	
M+P-Xylene	0	40	41.3	103	41.7	104	1	74 --> 124	12	
O-Xylene	0	20	20.3	102	20.5	103	1	67 -->136	12	
Styrene	0	20	19.6	98	20.1	100	2	81 -->114	11	
Bromoform	0	20	18.8	94	19.1	95	1	68-->115	8	
1,1,2,2-Tetrachloroethane	0	20	20.7	104	21.1	105	2	64 -->115	12	

*RPD= Relative Percent Difference.
#- Value out of Range

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Ecotest Laboratories, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): 10200903.d Date Analyzed: 10/20/09

Instrument ID: GCMSV#5 Time Analyzed: 0932

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	3815884	3.44	6301382	3.99	3428926	6.27
	UPPER LIMIT	7631768	3.94	12602764	4.49	6857852	6.77
	LOWER LIMIT	1907942	2.94	3150691	3.49	1714463	5.77
	SAMPLE NO.						
01	water blank 5ml	3666571	3.44	5955859	3.99	3083132	6.27
02	294399.00 5ml	3543263	3.44	5690243	3.99	2972558	6.27
03	294399.00 5ml MS + 20	3513390	3.44	5639889	3.99	3048561	6.27
04	294399.00 5ml MSD + 20	3528098	3.44	5679692	3.99	3068556	6.27
05	reference 10ug/L	3689439	3.44	5849960	3.99	3089984	6.27
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

IS1 = pentafluorobenzene
IS2 = 1,4-difluorobenzene
IS3 = chlorobenzene-d5

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.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Ecotest Laboratories, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): 10200903.d Date Analyzed: 10/20/09

Instrument ID: GCMSV#5 Time Analyzed: 0932

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	3670818	8.18				
	UPPER LIMIT	7341636	8.68				
	LOWER LIMIT	1835409	7.68				
	SAMPLE NO.						
01	water blank 5ml	3127706	8.18				
02	294399.00 5ml	3057261	8.18				
03	294399.00 5ml MS + 20	3334812	8.18				
04	294399.00 5ml MSD + 20	3068556	8.18				
05	reference 10ug/L	3301014	8.18				
06							
07							
08							
09							
10							
11							
12							
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14							
15							
16							
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18							
19							
20							
21							
22							
23							
24							
25							

IS4 = 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.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name : Ecotest Labs, Inc. Contract:

Project No.: Site: Location: Group:

Lab File ID: 10140913.d BFB Injection Date: 10/14/09

Instrument ID: GCMSV5 BFB Injection Time: 1616

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	44.1
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	(0.6)1
174	50.0 - 100.0% of mass 95	79.4
175	5.0 - 9.0% of mass 174	(7.2)1
176	95.0 - 101.0% of mass 174	(97.8)1
177	5.0 - 9.0% of mass 176	(6.5)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	initial calibration	water stnd 5ug/L	10140916.d	10/14/2009	17:18
02	initial calibration	water stnd 10ug/L	10140917.d	10/14/2009	17:40
03	initial calibration	water stnd 15ug/L	10140918.d	10/14/2009	18:03
04	initial calibration	water stnd 20ug/L	10140919.d	10/14/2009	18:25
05	initial calibration	water stnd 50ug/L	10140921.d	10/14/2009	19:09
06	initial calibration	water stnd 100ug/L	10140922.d	10/14/2009	19:32
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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28					
29					
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31					
32					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : Ecotest Labs, Inc. Contract:

Project No.: Site: Location: Group:

Lab File ID: 10200902.d BFB Injection Date: 10/20/09

Instrument ID: GCMSV5 BFB Injection Time: 0914

GC Column: DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	44.2
95	Base peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	(0.6)1
174	50.0 - 100.0% of mass 95	78.3
175	5.0 - 9.0% of mass 174	(7.0)1
176	95.0 - 101.0% of mass 174	(96.4)1
177	5.0 - 9.0% of mass 176	(6.5)2

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

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	water stnd 20ug/L	continuing calibration	10200903.d	10/20/2009	9:32
02	water stnd 1ug/L	low level stnd	10200905.d	10/20/2009	10:16
03	water blank 5ml	method blank	10200906.d	10/20/2009	10:43
04	294399.00 5ml	sample	10200908.d	10/20/2009	11:28
05	294399.00 5ml MS + 20	matrix spike	10200910.d	10/20/2009	12:13
06	294399.00 5ml MSD +20	matrix spike dup	10200911.d	10/20/2009	12:35
07	reference 10ug/L	second source qc	10200907.d	10/20/2009	11:06
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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32					

QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV5
Lab File ID: 10200907.D
Date of Analysis: 10/20/09
Associated Samples: 294399.00

Compound	Source	Target (ug/L)	Result (ug/L)	Lower control Limit (ug/L)	Upper control Limit (ug/L)	#
Chloromethane	(2)	10	10.8	6.2	13.8	
Vinyl chloride	(2)	10	11.0	5.7	16.2	
Bromomethane	(2)	10	9.5	4.7	15.0	
Chloroethane	(2)	10	11.1	6.8	14.5	
1,1-Dichloroethene	(1)	10	11.9	7.1	13.6	
Acetone	(3)	100	123.7	75.5	144.9	
Methylene chloride	(1)	10	11.8	7.4	15.2	
Carbon Disulfide	(3)	10	11.1	7.8	11.4	
trans-1,2-Dichloroethene	(1)	10	10.7	7.0	14.1	
1,1-Dichloroethane	(1)	10	11.2	6.4	13.6	
cis-1,2-Dichloroethene	(1)	10	11.3	7.0	14.5	
Methyl ethyl ketone	(3)	100	128.3	85.7	144.1	
Chloroform	(1)	10	11.4	6.8	14.7	
1,1,1-Trichloroethane	(1)	10	10.3	5.5	13.6	
Carbon tetrachloride	(1)	10	9.4	5.4	11.8	
Benzene	(1)	10	10.6	6.6	12.8	
1,2-Dichloroethane	(1)	10	10.4	6.8	11.8	
Trichloroethene	(1)	10	10.6	6.6	13.1	
1,2-Dichloropropane	(1)	10	10.5	6.4	13.5	
Bromodichloromethane	(1)	10	9.3	5.5	11.9	
cis-1,3-Dichloropropene	(1)	10	10.0	5.2	11.0	
Methyl isobutyl ketone	(3)	100	118.8	86.2	124.7	
Toluene	(1)	10	10.5	6.6	14.0	
trans-1,3-Dichloropropene	(1)	10	8.9	4.6	11.2	
1,1,2-Trichloroethane	(1)	10	10.7	6.5	14.0	
2-Hexanone	(3)	100	113.3	77.5	123.9	
Tetrachloroethene	(1)	10	9.7	7.1	12.5	
Dibromochloromethane	(1)	10	8.2	5.5	10.1	
Chlorobenzene	(1)	10	9.9	7.2	13.0	
Ethyl Benzene	(1)	10	9.9	6.6	12.2	
M+P-Xylene	(1)	20	19.5	11.9	26.4	
O-Xylene	(1)	10	9.9	6.0	12.9	
Styrene	(1)	10	9.9	6.0	12.7	
Bromoform	(1)	10	8.3	4.4	9.0	
1,1,2,2-Tetrachloroethane	(1)	10	9.7	5.8	12.0	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

Source of Stock Standard

(1) Accustandard catalog#M-502A-R-10X

(2) Crescent Chemical catalog#CC2006.10

(3)- Prepared by EcoTest from neat compound.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

water blank 5ml

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: water blank 5ml

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: 10200906.D

Level: (low/med) Low Date Received: na

% Solid: na Date Analyzed: 10/20/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	CONC.	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1 Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	t-1,2-Dichloroethene	1	U
75-34-3	1,1 Dichloroethane	1	U
156-59-2	c-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	111 Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2 Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2 Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	c-1,3Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3Dichloropropene	1	U
79-00-5	112 Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
	m + p Xylene	2	U
95-47-6	o Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1122Tetrachloroethane	1	U
67-64-1	Acetone	10	U
78-93-3	Methyl Ethyl Ketone	10	U
108-10-1	Methylisobutylketone	10	U
75-15-0	Carbon Disulfide	1	U
591-78-6	2-Hexanone	10	U
75-25-2	Bromoform	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: 294399.00

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: 10200908.D

Level: (low/med) Low Date Received: na

% Solid: na Date Analyzed: 10/20/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	CONC.	Q
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-35-4	1,1 Dichloroethene	1	U
75-09-2	Methylene Chloride	1	U
156-60-5	t-1,2-Dichloroethene	1	U
75-34-3	1,1 Dichloroethane	1	U
156-59-2	c-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
71-55-6	111 Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2 Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2 Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	c-1,3Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	t-1,3Dichloropropene	1	U
79-00-5	112 Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
124-48-1	Chlorodibromomethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethyl Benzene	1	U
	m + p Xylene	2	U
95-47-6	o Xylene	1	U
100-42-5	Styrene	1	U
79-34-5	1122Tetrachloroethane	1	U
67-64-1	Acetone	10	U
78-93-3	Methyl Ethyl Ketone	10	U
108-10-1	Methylisobutylketone	10	U
75-15-0	Carbon Disulfide	1	U
591-78-6	2-Hexanone	10	U
75-25-2	Bromoform	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00 MS +20

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: 294399.00 MS +20

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: 10200910.D

Level: (low/med) Low Date Received: na

% Solid: na Date Analyzed: 10/20/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	CONC.	Q
74-87-3	Chloromethane	20	21.56
75-01-4	Vinyl Chloride	20	22.55
74-83-9	Bromomethane	20	20.15
75-00-3	Chloroethane	20	21.37
75-35-4	1,1 Dichloroethene	20	23.01
75-09-2	Methylene Chloride	20	23.59
156-60-5	t-1,2-Dichloroethene	20	23.37
75-34-3	1,1 Dichloroethane	20	23.42
156-59-2	c-1,2-Dichloroethene	20	23.49
67-66-3	Chloroform	20	23.33
71-55-6	111 Trichloroethane	20	22.18
56-23-5	Carbon Tetrachloride	20	20.96
71-43-2	Benzene	20	22.41
107-06-2	1,2 Dichloroethane	20	22.17
79-01-6	Trichloroethene	20	22.21
78-87-5	1,2 Dichloropropane	20	22.03
75-27-4	Bromodichloromethane	20	20.95
10061-01-5	c-1,3Dichloropropene	20	22.3
108-88-3	Toluene	20	22.08
10061-02-6	t-1,3Dichloropropene	20	22.5
79-00-5	112 Trichloroethane	20	22.39
127-18-4	Tetrachloroethene	20	20.73
124-48-1	Chlorodibromomethane	20	18.84
108-90-7	Chlorobenzene	20	20.62
100-41-4	Ethyl Benzene	20	20.75
	m + p Xylene	40	41.34
95-47-6	o Xylene	20	20.3
100-42-5	Styrene	20	19.6
79-34-5	1122Tetrachloroethane	20	20.74
67-64-1	Acetone	100	111.78
78-93-3	Methyl Ethyl Ketone	100	120.89
108-10-1	Methylisobutylketone	100	121.31
75-15-0	Carbon Disulfide	20	21.5
591-78-6	2-Hexanone	100	108.86
75-25-2	Bromoform	20	18.81

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00 MSD +20

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID: 294399.00 MSD +20

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: 10200911.D

Level: (low/med) Low Date Received: na

% Solid: na Date Analyzed: 10/20/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: na (mL) Soil Aliquot Volume: na (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	CONC.	Q
74-87-3	Chloromethane	20	22.78
75-01-4	Vinyl Chloride	20	23.62
74-83-9	Bromomethane	20	20.57
75-00-3	Chloroethane	20	22.24
75-35-4	1,1 Dichloroethene	20	23.7
75-09-2	Methylene Chloride	20	24.69
156-60-5	t-1,2-Dichloroethene	20	23.92
75-34-3	1,1 Dichloroethane	20	23.72
156-59-2	c-1,2-Dichloroethene	20	24.41
67-66-3	Chloroform	20	23.8
71-55-6	111 Trichloroethane	20	23.06
56-23-5	Carbon Tetrachloride	20	21.32
71-43-2	Benzene	20	22.95
107-06-2	1,2 Dichloroethane	20	22.57
79-01-6	Trichloroethene	20	22.77
78-87-5	1,2 Dichloropropane	20	22.51
75-27-4	Bromodichloromethane	20	21.92
10061-01-5	c-1,3Dichloropropene	20	22.96
108-88-3	Toluene	20	22.76
10061-02-6	t-1,3Dichloropropene	20	23.21
79-00-5	112 Trichloroethane	20	22.44
127-18-4	Tetrachloroethene	20	21.06
124-48-1	Chlorodibromomethane	20	19.69
108-90-7	Chlorobenzene	20	20.93
100-41-4	Ethyl Benzene	20	21.11
	m + p Xylene	40	41.65
95-47-6	o Xylene	20	20.5
100-42-5	Styrene	20	20.05
79-34-5	1122Tetrachloroethane	20	21.06
67-64-1	Acetone	100	120.67
78-93-3	Methyl Ethyl Ketone	100	130.14
108-10-1	Methylisobutylketone	100	125.3
75-15-0	Carbon Disulfide	20	22.64
591-78-6	2-Hexanone	100	113.95
75-25-2	Bromoform	20	19.09

Raw Data

Method Blanks
Samples
Matrix Spikes / Matrix Spikes Duplicates
References Samples
Initial Calibration
Continuing Calibration

Method Blanks

Summary Report
Quant Rports and Chromatograms

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

water blank 5ml

Lab Name: Ecotest Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID: 10200906.d Lab Sample ID: water blank 5ml

Date Analyzed: 10/23/09 Time Analyzed: 1043

GC Column: J&W DB-VRX ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMSV#5

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	294399.00 5ml	Sample	10200908.d	11:28
02	294399.00 5ml MS + 20	Matrix spike	10200910.d	12:13
03	294399.00 5ml MSD + 20	Matrix spike dup	10200911.d	12:35
04	reference 10ug/L	second source	10200907.d	11:06
05				
06				
07				
08				
09				
10				

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200906.D
Acq On : 20 Oct 2009 10:43 am
Operator :
Sample : water blank 5ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 09:59:10 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3666571	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	5955859	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3083132	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3127706	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	461909	50.86 ug/L	0.00
37) toluene-d8	5.22	98	7601322	50.28 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2074386	49.46 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	0.00	58	0	N.D.	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	2.15	84	25133m	0.65 ug/L	
13) carbon disulfide	0.00	76	0	N.D.	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	3.09	83	24256	0.39 ug/L #	20
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	0.00	119	0	N.D.	
28) 1,2-dichloroethane	0.00	62	0	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	4.22	63	2518	N.D.	
32) bromodichloromethane	4.28	83	6361m	0.13 ug/L	
33) dibromomethane	4.19	93	848	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	0.00	91	0	N.D.	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	5.42	43	1168	N.D.	
44) 1,3-dichloropropane	5.31	76	1678	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	
54) bromoform	0.00	173	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200906.D
Acq On : 20 Oct 2009 10:43 am
Operator :
Sample : water blank 5ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 09:59:10 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

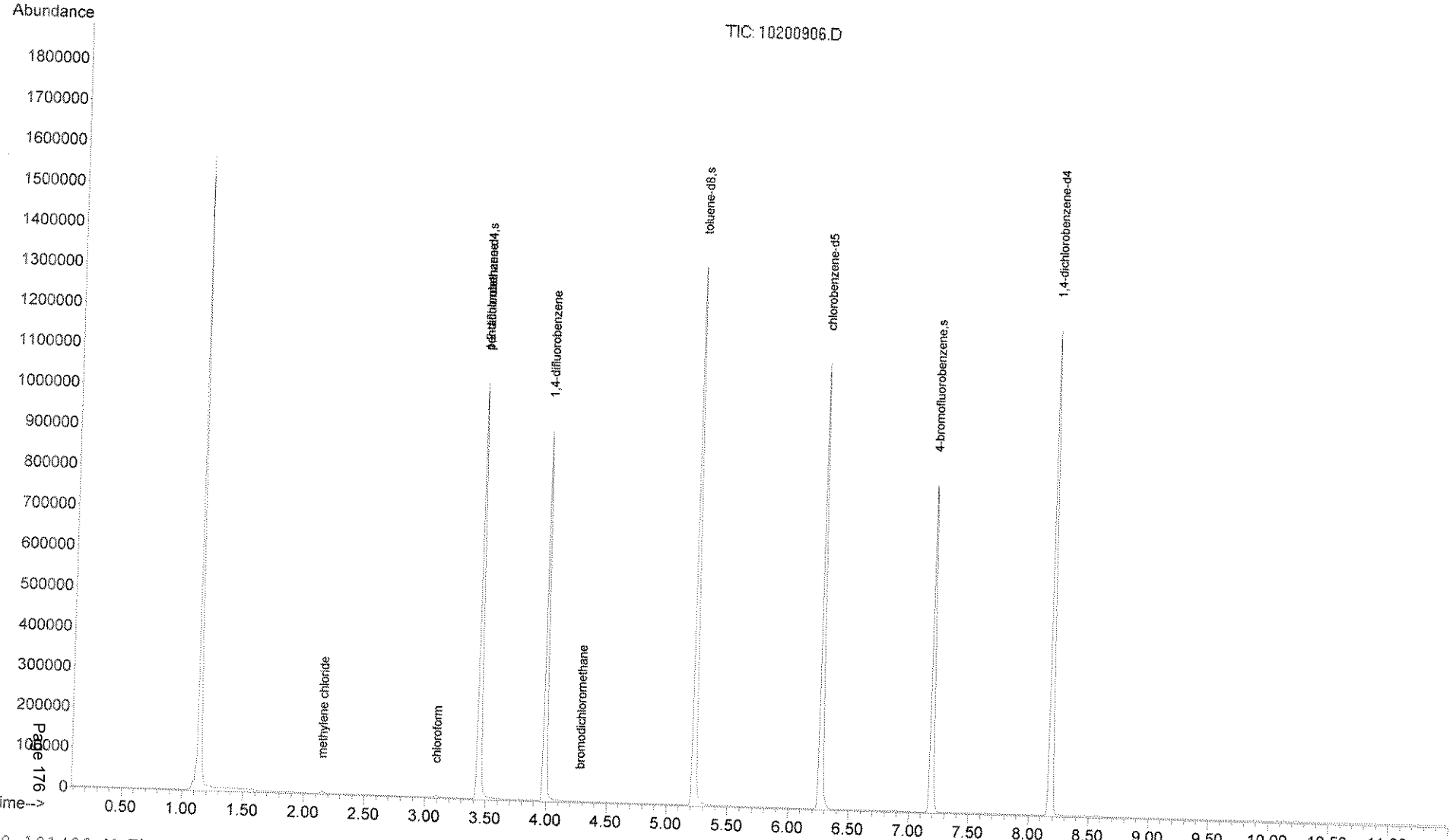
Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
56) isopropylbenzene	0.00	105	0	N.D.
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.
58) 1,2,3-trichloropropane	0.00	75	0	N.D.
59) n-propylbenzene	0.00	91	0	N.D.
60) bromobenzene	0.00	156	0	N.D.
61) p-ethyltoluene	0.00	105	0	N.D.
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.
63) 2-chlorotoluene	0.00	126	0	N.D.
64) 4-chlorotoluene	0.00	126	0	N.D.
65) tert-butylbenzene	0.00	134	0	N.D.
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.
67) sec-butylbenzene	0.00	105	0	N.D.
68) 4-isopropyltoluene	0.00	119	0	N.D.
69) 1,3-dichlorobenzene	0.00	146	0	N.D.
70) 1,4-dichlorobenzene	0.00	146	0	N.D.
71) 1,2,3-trimethylbenzene	0.00	105	0	N.D.
72) n-butylbenzene	0.00	92	0	N.D.
73) p-diethylbenzene	0.00	119	0	N.D.
74) 1,2-dichlorobenzene	0.00	146	0	N.D.
75) 1,2,4,5-tetramethylbenzene	0.00	119	0	N.D.
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.
77) 1,2,4-trichlorobenzene	0.00	180	0	N.D.
78) hexachlorobutadiene	0.00	225	0	N.D.
79) naphthalene	0.00	128	0	N.D.
80) 1,2,3-trichlorobenzene	0.00	180	0	N.D.

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200906.D
Acq On : 20 Oct 2009 10:43 am
Operator :
Sample : water blank 5ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 09:59:10 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



8260-101409.M Thu Oct 29 09:03:31 2009

Samples

Quant Reports and Chromatograms
Spectra for positive Hits

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3543263	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	5690243	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	2972558	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3057261	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	452448	52.14 ug/L	0.00
37) toluene-d8	5.22	98	7228952	50.05 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2043718	51.01 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	0.00	58	0	N.D.	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	0.00	84	0	N.D.	
13) carbon disulfide	0.00	76	0	N.D.	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	0.00	83	0	N.D.	
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	3.79	119	679	N.D.	
28) 1,2-dichloroethane	3.48	62	571	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	4.21	63	2216	N.D.	
32) bromodichloromethane	4.28	83	1413	N.D.	
33) dibromomethane	4.19	93	793	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	0.00	91	0	N.D.	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	5.46	43	2493	N.D.	
44) 1,3-dichloropropane	5.31	76	2431	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	
54) bromoform	0.00	173	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

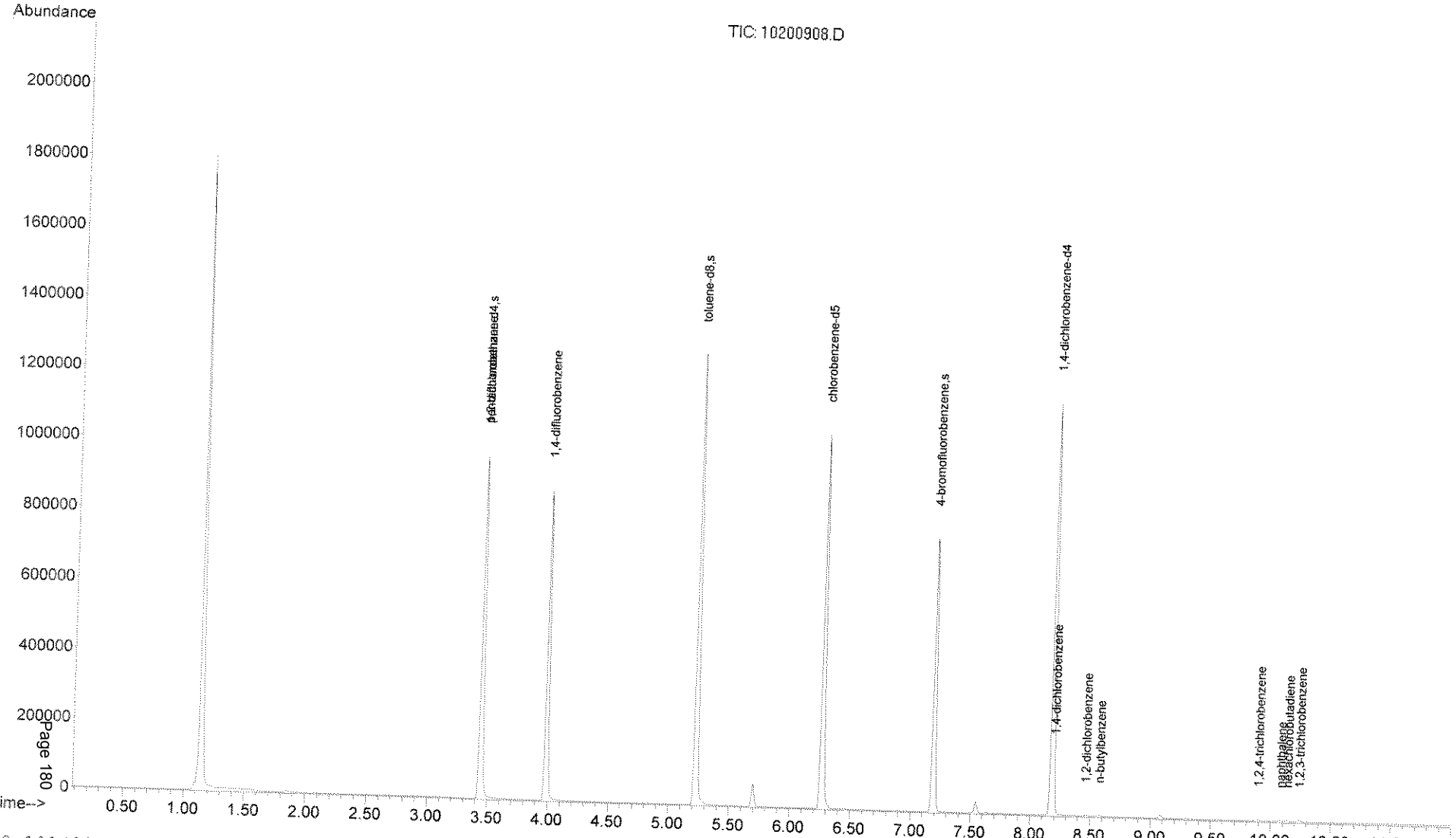
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.18	105	8659	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	8.11	105	11204	N.D.	
68) 4-isopropyltoluene	8.26	119	12963	N.D.	
69) 1,3-dichlorobenzene	8.14	146	8677	N.D.	
70) 1,4-dichlorobenzene	8.21	146	13055m	0.13 ug/L	
71) 1,2,3-trimethylbenzene	8.35	105	9271	N.D.	
72) n-butylbenzene	8.58	92	12013m	0.11 ug/L	
73) p-diethylbenzene	8.56	119	8665	N.D.	
74) 1,2-dichlorobenzene	8.46	146	13085m	0.14 ug/L	
75) 1,2,4,5-tetramethylbenzene	9.30	119	14300	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	9.90	180	18118m	0.35 ug/L	
78) hexachlorobutadiene	10.13	225	9687m	0.35 ug/L	
79) naphthalene	10.09	128	42469	0.40 ug/L #	72
80) 1,2,3-trichlorobenzene	10.24	180	18281m	0.42 ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



260-101409.M Thu Oct 29 09:03:47 2009

Standard Spectra for Positive Hits

Matrix Spikes/Matrix Spike Duplicates

Summary Report
Quant Reports and Chomatograms

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV5

Instrument ID: GC/MSV5
Date of Analysis: 10/20/09
Sample Spiked: 294399.00 5ml
Associated Samples: 294399.00 5ml

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	
Chloromethane	0	20	21.6	108	22.8	114	6	44-->143	16	
Vinyl chloride	0	20	22.6	113	23.6	118	5	53 -->133	15	
Bromomethane	0	20	20.2	101	20.6	103	2	25 -->146	26	
Chloroethane	0	20	21.4	107	22.2	111	4	62 -->127	18	
Acetone	0	100	111.8	112	120.7	121	8	57 -->133	14	
1,1-Dichloroethene	0	20	23.0	115	23.7	119	3	56 -->136	14	
Methylene chloride	0	20	23.6	118	24.7	123	5	63 -->123	10	#
Carbon Disulfide	0	20	21.5	107	22.6	112	5	67-->113	12	
trans-1,2-Dichloroethene	0	20	23.4	117	23.9	120	2	63 -->128	14	
1,1-Dichloroethane	0	20	23.4	117	23.7	119	1	73 -->141	10	
Methyl ethyl ketone	0	100	120.9	121	130.1	130	7	62 -->123	12	#
cis-1,2-Dichloroethene	0	20	23.5	117	24.4	122	4	69 -->127	11	
Chloroform	0	20	23.3	117	23.8	119	2	71 -->122	10	
1,1,1-Trichloroethane	0	20	22.2	111	23.1	115	4	69 -->129	12	
Carbon tetrachloride	0	20	21.0	105	21.3	107	2	72 -->122	12	
1,2-Dichloroethane	0	20	22.2	111	22.6	113	2	75 -->123	21	
Benzene	0	20	22.4	112	23.0	115	2	77 -->119	10	
Trichloroethene	0	20	22.2	111	22.8	114	2	75 -->123	12	
1,2-Dichloropropane	0	20	22.0	110	22.5	113	2	79 -->117	10	
Bromodichloromethane	0	20	21.0	105	21.9	110	5	80 -->115	10	
Methyl isobutyl ketone	0	100	121.3	121	125.3	125	3	60 -->127	9	
cis-1,3-Dichloropropene	0	20	22.3	112	23.0	115	3	80 -->112	9	#
Toluene	0	20	22.1	110	22.8	114	3	73 -->130	9	
trans-1,3-Dichloropropene	0	20	22.5	113	23.2	116	3	81 -->111	8	#
1,1,2-Trichloroethane	0	20	22.4	112	22.4	112	0	79 -->116	9	
2-Hexanone	0	100	108.9	109	114.0	114	5	51-->175	19	
Tetrachloroethene	0	20	20.7	104	21.1	105	2	74 -->120	14	
Dibromochloromethane	0	20	18.8	94	19.7	98	4	76 -->108	8	
Chlorobenzene	0	20	20.6	103	20.9	105	1	86 -->110	12	
Ethyl Benzene	0	20	20.8	104	21.1	106	2	77 -->118	12	
M+P-Xylene	0	40	41.3	103	41.7	104	1	74 --> 124	12	
O-Xylene	0	20	20.3	102	20.5	103	1	67 -->136	12	
Styrene	0	20	19.6	98	20.1	100	2	81 -->114	11	
Bromoform	0	20	18.8	94	19.1	95	1	68-->115	8	
1,1,2,2-Tetrachloroethane	0	20	20.7	104	21.1	105	2	64 -->115	12	

*RPD= Relative Percent Difference.
#- Value out of Range

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3543263	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	5690243	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	2972558	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3057261	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	452448	52.14 ug/L	0.00
37) toluene-d8	5.22	98	7228952	50.05 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2043718	51.01 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	0.00	85	0	N.D.	
3) chlorodifluoromethane	0.00	51	0	N.D.	
4) chloromethane	0.00	50	0	N.D.	
5) vinyl chloride	0.00	62	0	N.D.	
6) bromomethane	0.00	96	0	N.D.	
7) chloroethane	0.00	64	0	N.D.	
8) trichlorofluoromethane	0.00	101	0	N.D.	
9) freon	0.00	151	0	N.D.	
10) acetone	0.00	58	0	N.D.	
11) 1,1-dichloroethene	0.00	96	0	N.D.	
12) methylene chloride	0.00	84	0	N.D.	
13) carbon disulfide	0.00	76	0	N.D.	
14) tert-butylmethylether	0.00	73	0	N.D.	
15) trans-1,2-dichloroethene	0.00	96	0	N.D.	
16) vinyl acetate	0.00	43	0	N.D.	
17) 1,1-dichloroethane	0.00	63	0	N.D.	
18) methyl ethyl ketone	0.00	72	0	N.D.	
19) 2,2-dichloropropane	0.00	77	0	N.D.	
20) cis-1,2-dichloroethene	0.00	96	0	N.D.	
21) chloroform	0.00	83	0	N.D.	
22) bromochloromethane	0.00	128	0	N.D.	
23) 1,1,1-trichloroethane	0.00	97	0	N.D.	
25) 1,1-dichloropropene	0.00	75	0	N.D.	
26) carbon tetrachloride	3.79	119	679	N.D.	
28) 1,2-dichloroethane	3.48	62	571	N.D.	
29) benzene	0.00	78	0	N.D.	
30) trichloroethene	0.00	95	0	N.D.	
31) 1,2-dichloropropane	4.21	63	2216	N.D.	
32) bromodichloromethane	4.28	83	1413	N.D.	
33) dibromomethane	4.19	93	793	N.D.	
34) 2-chloroethylvinylether	0.00	63	0	N.D.	
35) 4-methyl-2-pentanone	0.00	43	0	N.D.	
36) cis-1,3-dichloropropene	0.00	75	0	N.D.	
38) toluene	0.00	91	0	N.D.	
39) trans-1,3-dichloropropene	0.00	75	0	N.D.	
40) 1,1,2-trichloroethane	0.00	83	0	N.D.	
43) 2-hexanone	5.46	43	2493	N.D.	
44) 1,3-dichloropropane	5.31	76	2431	N.D.	
45) tetrachloroethene	0.00	166	0	N.D.	
46) dibromochloromethane	0.00	129	0	N.D.	
47) 1,2-dibromoethane	0.00	107	0	N.D.	
48) chlorobenzene	0.00	112	0	N.D.	
49) 1,1,1,2-tetrachloroethane	0.00	131	0	N.D.	
50) ethylbenzene	0.00	91	0	N.D.	
51) m+p xylene	0.00	106	0	N.D.	
52) o-xylene	0.00	106	0	N.D.	
53) styrene	0.00	104	0	N.D.	
54) bromoform	0.00	173	0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

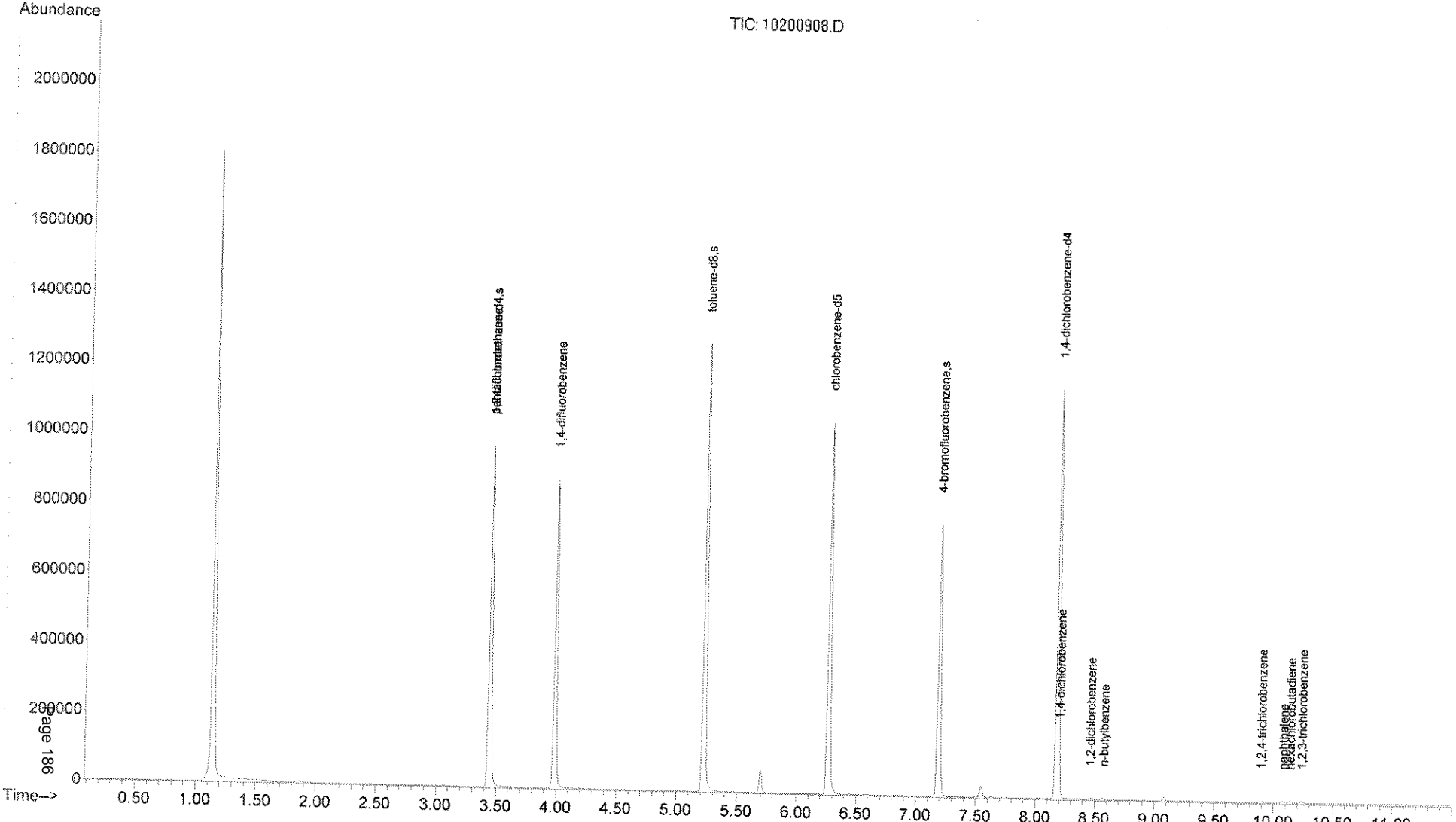
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.18	105	8659	N.D.	
57) 1,1,2,2-tetrachloroethane	0.00	83	0	N.D.	
58) 1,2,3-trichloropropane	0.00	75	0	N.D.	
59) n-propylbenzene	0.00	91	0	N.D.	
60) bromobenzene	0.00	156	0	N.D.	
61) p-ethyltoluene	0.00	105	0	N.D.	
62) 1,3,5-trimethylbenzene	0.00	120	0	N.D.	
63) 2-chlorotoluene	0.00	126	0	N.D.	
64) 4-chlorotoluene	0.00	126	0	N.D.	
65) tert-butylbenzene	0.00	134	0	N.D.	
66) 1,2,4-trimethylbenzene	0.00	105	0	N.D.	
67) sec-butylbenzene	8.11	105	11204	N.D.	
68) 4-isopropyltoluene	8.26	119	12963	N.D.	
69) 1,3-dichlorobenzene	8.14	146	8677	N.D.	
70) 1,4-dichlorobenzene	8.21	146	13055m	0.13 ug/L	
71) 1,2,3-trimethylbenzene	8.35	105	9271	N.D.	
72) n-butylbenzene	8.58	92	12013m	0.11 ug/L	
73) p-diethylbenzene	8.56	119	8665	N.D.	
74) 1,2-dichlorobenzene	8.46	146	13085m	0.14 ug/L	
75) 1,2,4,5-tetramethylbenzene	9.30	119	14300	N.D.	
76) 1,2-dibromo-3-chloropropan	0.00	157	0	N.D.	
77) 1,2,4-trichlorobenzene	9.90	180	18118m	0.35 ug/L	
78) hexachlorobutadiene	10.13	225	9687m	0.35 ug/L	
79) naphthalene	10.09	128	42469	0.40 ug/L #	72
80) 1,2,3-trichlorobenzene	10.24	180	18281m	0.42 ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 10:45:34 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200910.D
Acq On : 20 Oct 2009 12:13 pm
Operator :
Sample : 294399.00 5ml MS + 20
Misc : ms passed
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 20 11:27:58 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3513390	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	5639889	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3048561	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3334812	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	429075	49.89 ug/L	0.00
37) toluene-d8	5.22	98	7292203	50.94 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2142906	53.96 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	638958	19.14 ug/L	98
3) chlorodifluoromethane	1.21	51	914751	20.90 ug/L	99
4) chloromethane	1.32	50	875701	21.56 ug/L	100
5) vinyl chloride	1.38	62	665271	22.55 ug/L	98
6) bromomethane	1.53	96	366011	20.15 ug/L	96
7) chloroethane	1.59	64	455814	21.37 ug/L	97
8) trichlorofluoromethane	1.83	101	1147993	22.84 ug/L	100
9) freon	2.18	151	611782	24.76 ug/L	92
10) acetone	1.88	58	331533	111.78 ug/L	91
11) 1,1-dichloroethene	2.08	96	662683	23.01 ug/L	96
12) methylene chloride	2.15	84	870697	23.59 ug/L	95
13) carbon disulfide	2.27	76	1967155	21.50 ug/L	99
14) tert-butylmethylether	2.56	73	1998078	23.64 ug/L	99
15) trans-1,2-dichloroethene	2.50	96	860238	23.37 ug/L	98
16) vinyl acetate	2.72	43	9361404	123.51 ug/L	99
17) 1,1-dichloroethane	2.64	63	1547285	23.42 ug/L #	88
18) methyl ethyl ketone	2.89	72	435584	120.89 ug/L	92
19) 2,2-dichloropropane	3.14	77	846413	21.42 ug/L	100
20) cis-1,2-dichloroethene	2.97	96	952918	23.49 ug/L	100
21) chloroform	3.09	83	1401488	23.33 ug/L	93
22) bromochloromethane	3.06	128	431377	22.69 ug/L #	81
23) 1,1,1-trichloroethane	3.56	97	1073045	22.18 ug/L #	89
25) 1,1-dichloropropene	3.68	75	1199289	22.40 ug/L	95
26) carbon tetrachloride	3.79	119	852247	20.96 ug/L	99
28) 1,2-dichloroethane	3.50	62	1071465	22.17 ug/L	99
29) benzene	3.82	78	3700543	22.41 ug/L	99
30) trichloroethene	4.25	95	911545	22.21 ug/L	99
31) 1,2-dichloropropane	4.22	63	965008	22.03 ug/L #	95
32) bromodichloromethane	4.27	83	1003641	20.95 ug/L #	97
33) dibromomethane	4.19	93	529218	23.10 ug/L	97
34) 2-chloroethylvinylether	4.59	63	179984	7.77 ug/L	98
35) 4-methyl-2-pentanone	4.82	43	4392447	121.31 ug/L	98
36) cis-1,3-dichloropropene	4.73	75	1230337	22.30 ug/L	99
38) toluene	5.27	91	4044157	22.08 ug/L	99
39) trans-1,3-dichloropropene	5.04	75	1030754	22.50 ug/L	99
40) 1,1,2-trichloroethane	5.14	83	675544	22.39 ug/L	98
43) 2-hexanone	5.45	43	2861272	108.86 ug/L #	95
44) 1,3-dichloropropane	5.31	76	1528861	20.94 ug/L	98
45) tetrachloroethene	5.80	166	950519	20.73 ug/L	97
46) dibromochloromethane	5.49	129	738029	18.84 ug/L	93
47) 1,2-dibromoethane	5.66	107	826641	20.49 ug/L	100
48) chlorobenzene	6.29	112	2730147	20.62 ug/L	98
49) 1,1,1,2-tetrachloroethane	6.24	131	771586	19.35 ug/L #	1
50) ethylbenzene	6.45	91	4639600	20.75 ug/L	99
51) m+p xylene	6.60	106	3746866	41.34 ug/l	99
52) o-xylene	6.89	106	1809004	20.30 ug/L	99
53) styrene	6.84	104	2711530	19.60 ug/L	96
54) bromoform	6.65	173	410946	18.81 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200910.D
Acq On : 20 Oct 2009 12:13 pm
Operator :
Sample : 294399.00 5ml MS + 20
Misc : ms passed
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 20 11:27:58 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

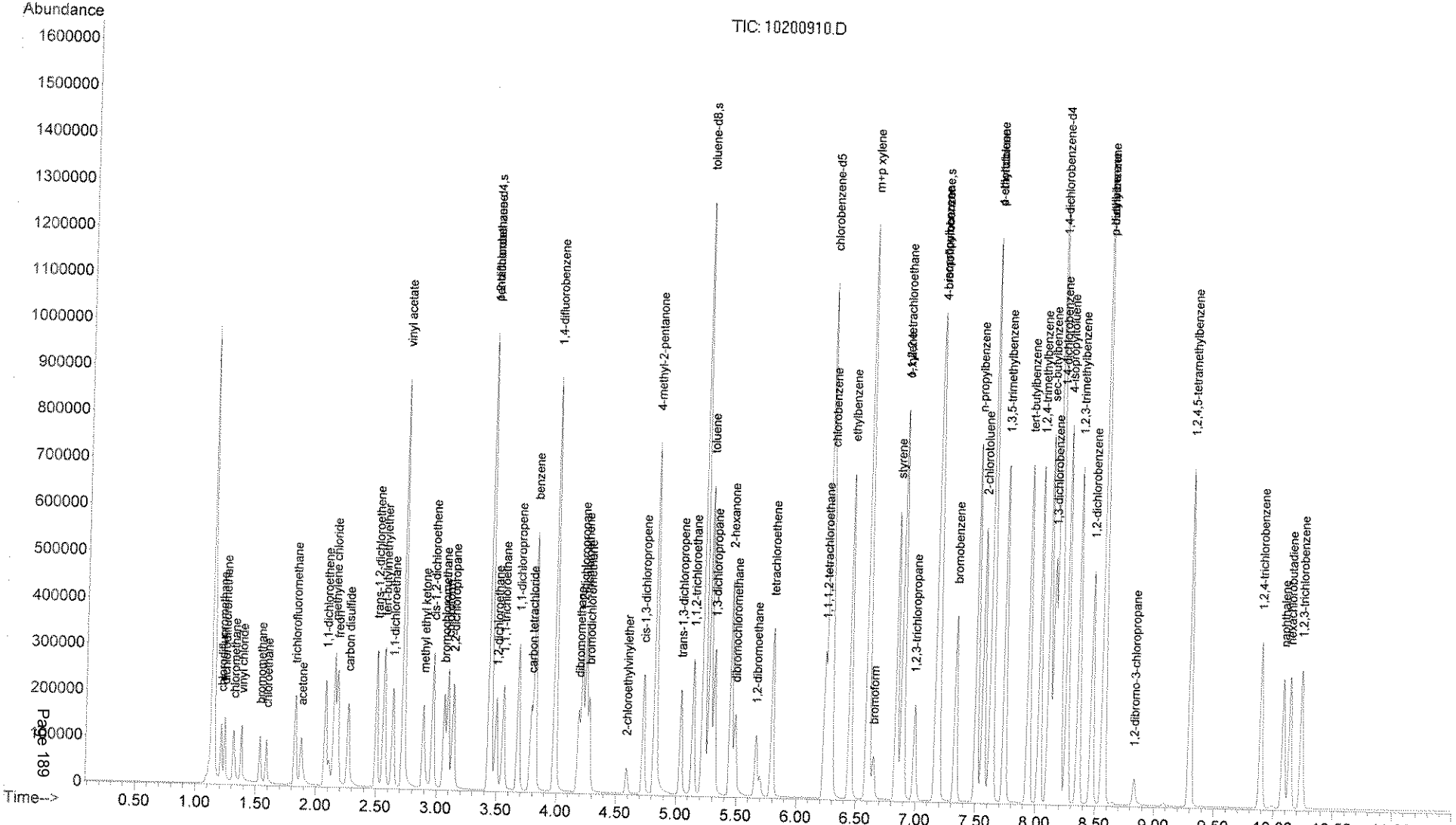
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) isopropylbenzene	7.17	105	4444963	20.32	ug/L		99
57) 1,1,2,2-tetrachloroethane	6.89	83	1054607	20.74	ug/L		98
58) 1,2,3-trichloropropane	6.99	75	853159	21.42	ug/L		97
59) n-propylbenzene	7.51	91	5701190	20.67	ug/L		97
60) bromobenzene	7.33	156	1091570	20.17	ug/L		98
61) p-ethyltoluene	7.63	105	4832065	19.64	ug/L		100
62) 1,3,5-trimethylbenzene	7.74	120	1957452	20.00	ug/L		96
63) 2-chlorotoluene	7.56	126	1144133	20.30	ug/L		97
64) 4-chlorotoluene	7.63	126	1180281	20.31	ug/L		91
65) tert-butylbenzene	7.94	134	923868	20.54	ug/L		97
66) 1,2,4-trimethylbenzene	8.03	105	3929332	20.28	ug/L		99
67) sec-butylbenzene	8.11	105	5430724	20.77	ug/L		98
68) 4-isopropyltoluene	8.26	119	4489572	20.65	ug/L		100
69) 1,3-dichlorobenzene	8.15	146	2180958	20.60	ug/L		97
70) 1,4-dichlorobenzene	8.20	146	2208656	20.64	ug/L		99
71) 1,2,3-trimethylbenzene	8.36	105	4070051	21.14	ug/L		99
72) n-butylbenzene	8.57	92	2450837	21.01	ug/L		90
73) p-diethylbenzene	8.56	119	2626600	19.48	ug/L		94
74) 1,2-dichlorobenzene	8.47	146	2098909	20.52	ug/L		97
75) 1,2,4,5-tetramethylbenzene	9.30	119	3831570	20.85	ug/L		99
76) 1,2-dibromo-3-chloropropan	8.83	157	139465	17.98	ug/L	#	73
77) 1,2,4-trichlorobenzene	9.89	180	1173832	20.56	ug/L		98
78) hexachlorobutadiene	10.14	225	549354	18.71	ug/L		96
79) naphthalene	10.08	128	2430263	20.91	ug/L		99
80) 1,2,3-trichlorobenzene	10.24	180	1021975	21.28	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200910.D
Acq On : 20 Oct 2009 12:13 pm
Operator :
Sample : 294399.00 5ml MS + 20
Misc : ms passed
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 20 11:27:58 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



8260-101409.M Thu Oct 29 09:04:11 2009

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200911.D
Acq On : 20 Oct 2009 12:35 pm
Operator :
Sample : 294399.00 5ml MSD + 20
Misc : msd passed
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 11:49:06 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3528098	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	5679692	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3068556	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3325479	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	457537	52.82 ug/L	0.00
37) toluene-d8	5.22	98	7337444	50.90 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2192674	54.83 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	664619	19.83 ug/L	97
3) chlorodifluoromethane	1.21	51	959569	21.83 ug/L	100
4) chloromethane	1.32	50	929506	22.78 ug/L	100
5) vinyl chloride	1.38	62	699791	23.62 ug/L	98
6) bromomethane	1.53	96	375118	20.57 ug/L	90
7) chloroethane	1.59	64	476506	22.24 ug/L	98
8) trichlorofluoromethane	1.83	101	1195264	23.68 ug/L	100
9) freon	2.18	151	607293	24.48 ug/L	95
10) acetone	1.88	58	359409	120.67 ug/L	99
11) 1,1-dichloroethene	2.08	96	685404	23.70 ug/L	99
12) methylene chloride	2.15	84	914835	24.69 ug/L	99
13) carbon disulfide	2.27	76	2080787	22.64 ug/L	100
14) tert-butylmethylether	2.56	73	2097830	24.72 ug/L	100
15) trans-1,2-dichloroethene	2.50	96	884236	23.92 ug/L	97
16) vinyl acetate	2.72	43	9737399	127.93 ug/L	99
17) 1,1-dichloroethane	2.64	63	1573095	23.72 ug/L #	88
18) methyl ethyl ketone	2.89	72	470876	130.14 ug/L	87
19) 2,2-dichloropropane	3.14	77	894679	22.54 ug/L #	56
20) cis-1,2-dichloroethene	2.97	96	994579	24.41 ug/L	96
21) chloroform	3.09	83	1435713	23.80 ug/L	93
22) bromochloromethane	3.06	128	454500	23.80 ug/L #	85
23) 1,1,1-trichloroethane	3.56	97	1120655	23.06 ug/L #	90
25) 1,1-dichloropropene	3.68	75	1223047	22.68 ug/L	95
26) carbon tetrachloride	3.79	119	873094	21.32 ug/L	97
28) 1,2-dichloroethane	3.50	62	1098568	22.57 ug/L	98
29) benzene	3.82	78	3817485	22.95 ug/L	99
30) trichloroethene	4.25	95	940825	22.77 ug/L	97
31) 1,2-dichloropropane	4.22	63	992807	22.51 ug/L #	95
32) bromodichloromethane	4.27	83	1057450	21.92 ug/L	98
33) dibromomethane	4.19	93	517334	22.42 ug/L	98
34) 2-chloroethylvinylether	4.59	63	49180	2.11 ug/L #	67
35) 4-methyl-2-pentanone	4.82	43	4569114	125.30 ug/L	98
36) cis-1,3-dichloropropene	4.73	75	1277278	22.96 ug/L	99
38) toluene	5.28	91	4198963	22.76 ug/L	99
39) trans-1,3-dichloropropene	5.04	75	1072656	23.21 ug/L	99
40) 1,1,2-trichloroethane	5.14	83	681663	22.44 ug/L	95
43) 2-hexanone	5.45	43	3014704	113.95 ug/L #	95
44) 1,3-dichloropropane	5.31	76	1576529	21.45 ug/L	100
45) tetrachloroethene	5.80	166	971872	21.06 ug/L	96
46) dibromochloromethane	5.49	129	776392	19.69 ug/L	97
47) 1,2-dibromoethane	5.66	107	856044	21.08 ug/L	98
48) chlorobenzene	6.29	112	2789376	20.93 ug/L	99
49) 1,1,1,2-tetrachloroethane	6.24	131	791927	19.73 ug/L #	91
50) ethylbenzene	6.45	91	4749507	21.11 ug/L	99
51) m+p xylene	6.60	106	3799177	41.65 ug/l	99
52) o-xylene	6.89	106	1838807	20.50 ug/L	100
53) styrene	6.84	104	2792427	20.05 ug/L	99
54) bromoform	6.65	173	419878	19.09 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200911.D
Acq On : 20 Oct 2009 12:35 pm
Operator :
Sample : 294399.00 5ml MSD + 20
Misc : msd passed
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 11:49:06 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

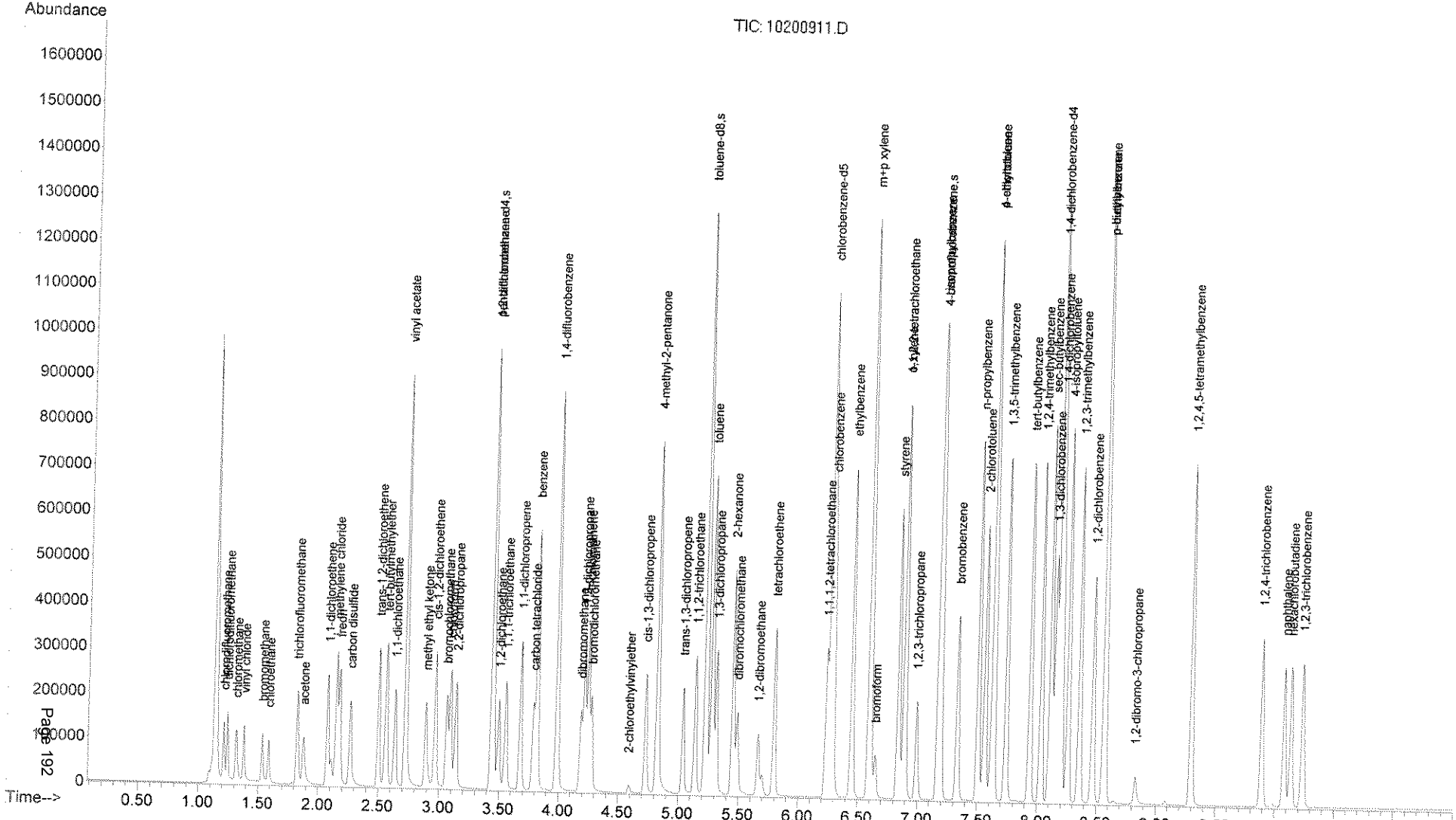
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	4627894	21.22 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.88	83	1067474	21.06 ug/L	96
58) 1,2,3-trichloropropane	6.99	75	886193	22.31 ug/L	97
59) n-propylbenzene	7.51	91	5874254	21.36 ug/L	97
60) bromobenzene	7.33	156	1112378	20.61 ug/L	97
61) p-ethyltoluene	7.64	105	4932045	20.12 ug/L	100
62) 1,3,5-trimethylbenzene	7.74	120	2073255	21.25 ug/L	99
63) 2-chlorotoluene	7.56	126	1193459	21.24 ug/L	100
64) 4-chlorotoluene	7.63	126	1231405	21.25 ug/L	91
65) tert-butylbenzene	7.94	134	943245	21.03 ug/L	94
66) 1,2,4-trimethylbenzene	8.03	105	4041682	20.92 ug/L	100
67) sec-butylbenzene	8.11	105	5649517	21.67 ug/L	99
68) 4-isopropyltoluene	8.26	119	4597285	21.20 ug/L	99
69) 1,3-dichlorobenzene	8.15	146	2237024	21.19 ug/L	97
70) 1,4-dichlorobenzene	8.20	146	2273734	21.31 ug/L	99
71) 1,2,3-trimethylbenzene	8.36	105	4122648	21.48 ug/L	99
72) n-butylbenzene	8.57	92	2532215	21.77 ug/L	90
73) p-diethylbenzene	8.56	119	2716375	20.24 ug/L	94
74) 1,2-dichlorobenzene	8.47	146	2152253	21.10 ug/L	97
75) 1,2,4,5-tetramethylbenzene	9.30	119	3974629	21.69 ug/L	98
76) 1,2-dibromo-3-chloropropan	8.83	157	157103	20.32 ug/L #	81
77) 1,2,4-trichlorobenzene	9.89	180	1248996	21.94 ug/L	99
78) hexachlorobutadiene	10.14	225	597490	20.47 ug/L	96
79) naphthalene	10.08	128	2654631	22.90 ug/L	100
80) 1,2,3-trichlorobenzene	10.24	180	1078250	22.51 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200911.D
Acq On : 20 Oct 2009 12:35 pm
Operator :
Sample : 294399.00 5ml MSD + 20
Misc : msd passed
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 11:49:06 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



8260-101409.M Thu Oct 29 09:04:16 2009

Reference Standards

Summary Report
Quant Reports and Chomatograms

QC Check Standard Summary (VOC EPA 8260)

EcoTest Laboratories Inc.
Instrument ID: GCMSV5
Lab File ID: 10200907.D
Date of Analysis: 10/20/09
Associated Samples: 294399.00

Compound	Source	Target (ug/L)	Result (ug/L)	Lower control Limit (ug/L)	Upper control Limit (ug/L)	#
Chloromethane	(2)	10	10.8	6.2	13.8	
Vinyl chloride	(2)	10	11.0	5.7	16.2	
Bromomethane	(2)	10	9.5	4.7	15.0	
Chloroethane	(2)	10	11.1	6.8	14.5	
1,1-Dichloroethene	(1)	10	11.9	7.1	13.6	
Acetone	(3)	100	123.7	75.5	144.9	
Methylene chloride	(1)	10	11.8	7.4	15.2	
Carbon Disulfide	(3)	10	11.1	7.8	11.4	
trans-1,2-Dichloroethene	(1)	10	10.7	7.0	14.1	
1,1-Dichloroethane	(1)	10	11.2	6.4	13.6	
cis-1,2-Dichloroethene	(1)	10	11.3	7.0	14.5	
Methyl ethyl ketone	(3)	100	128.3	85.7	144.1	
Chloroform	(1)	10	11.4	6.8	14.7	
1,1,1-Trichloroethane	(1)	10	10.3	5.5	13.6	
Carbon tetrachloride	(1)	10	9.4	5.4	11.8	
Benzene	(1)	10	10.6	6.6	12.8	
1,2-Dichloroethane	(1)	10	10.4	6.8	11.8	
Trichloroethene	(1)	10	10.6	6.6	13.1	
1,2-Dichloropropane	(1)	10	10.5	6.4	13.5	
Bromodichloromethane	(1)	10	9.3	5.5	11.9	
cis-1,3-Dichloropropene	(1)	10	10.0	5.2	11.0	
Methyl isobutyl ketone	(3)	100	118.8	86.2	124.7	
Toluene	(1)	10	10.5	6.6	14.0	
trans-1,3-Dichloropropene	(1)	10	8.9	4.6	11.2	
1,1,2-Trichloroethane	(1)	10	10.7	6.5	14.0	
2-Hexanone	(3)	100	113.3	77.5	123.9	
Tetrachloroethene	(1)	10	9.7	7.1	12.5	
Dibromochloromethane	(1)	10	8.2	5.5	10.1	
Chlorobenzene	(1)	10	9.9	7.2	13.0	
Ethyl Benzene	(1)	10	9.9	6.6	12.2	
M+P-Xylene	(1)	20	19.5	11.9	26.4	
O-Xylene	(1)	10	9.9	6.0	12.9	
Styrene	(1)	10	9.9	6.0	12.7	
Bromoform	(1)	10	8.3	4.4	9.0	
1,1,2,2-Tetrachloroethane	(1)	10	9.7	5.8	12.0	

#- Column to be used to flag reference result with an asterisk.
*- Result is outside of QC limits.

Source of Stock Standard

(1) Accustandard catalog#M-502A-R-10X

(2) Crescent Chemical catalog#CC2006.10

(3)- Prepared by EcoTest from neat compound.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200907.D
Acq On : 20 Oct 2009 11:06 am
Operator :
Sample : reference 10ug/L (kg101509)
Misc : qc passed
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 10:43:54 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.44	168	3689439	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.99	114	5849960	50.00	ug/L		0.00
42) chlorobenzene-d5	6.27	82	3089984	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3301014	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.45	102	470696	52.76	ug/L		0.00
37) toluene-d8	5.22	98	7591061	51.12	ug/L		0.00
41) 4-bromofluorobenzene	7.19	174	2170648	52.70	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.24	85	324023	9.24	ug/L		98
3) chlorodifluoromethane	1.21	51	445230	9.69	ug/L		99
4) chloromethane	1.32	50	459315	10.77	ug/L	#	98
5) vinyl chloride	1.38	62	340572	10.99	ug/L		96
6) bromomethane	1.53	96	180515	9.47	ug/L		99
7) chloroethane	1.59	64	247957	11.07	ug/L		99
8) trichlorofluoromethane	1.83	101	601186	11.39	ug/L		100
9) freon	2.18	151	337064	12.99	ug/L		98
10) acetone	1.88	58	385391m	123.73	ug/L		
11) 1,1-dichloroethene	2.08	96	360208	11.91	ug/L		97
12) methylene chloride	2.15	84	457453	11.80	ug/L		96
13) carbon disulfide	2.27	76	1061870	11.05	ug/L		99
14) tert-butylmethylether	2.56	73	1033584	11.65	ug/L		99
15) trans-1,2-dichloroethene	2.50	96	415046	10.74	ug/L		95
16) vinyl acetate	2.72	43	9287106	116.68	ug/L		99
17) 1,1-dichloroethane	2.64	63	774935	11.17	ug/L	#	88
18) methyl ethyl ketone	2.89	72	485410	128.29	ug/L		92
19) 2,2-dichloropropane	3.14	77	395666	9.53	ug/L	#	56
20) cis-1,2-dichloroethene	2.97	96	482612	11.33	ug/L		97
21) chloroform	3.09	83	716134	11.35	ug/L		91
22) bromochloromethane	3.06	128	222831	11.16	ug/L		86
23) 1,1,1-trichloroethane	3.56	97	522884	10.29	ug/L	#	90
25) 1,1-dichloropropene	3.68	75	610787	11.00	ug/L		97
26) carbon tetrachloride	3.79	119	396853	9.41	ug/L		98
28) 1,2-dichloroethane	3.50	62	519757	10.37	ug/L	#	77
29) benzene	3.82	78	1807713	10.55	ug/L		99
30) trichloroethene	4.25	95	451490	10.61	ug/L		99
31) 1,2-dichloropropane	4.22	63	476100	10.48	ug/L	#	91
32) bromodichloromethane	4.27	83	460119	9.26	ug/L		99
33) dibromomethane	4.19	93	252330	10.62	ug/L		97
34) 2-chloroethylvinylether	4.59	63	233460	9.72	ug/L		97
35) 4-methyl-2-pentanone	4.82	43	4463371	118.84	ug/L		99
36) cis-1,3-dichloropropene	4.73	75	562505	10.01	ug/L		99
38) toluene	5.27	91	1998390	10.52	ug/L		99
39) trans-1,3-dichloropropene	5.04	75	410206	8.92	ug/L		99
40) 1,1,2-trichloroethane	5.14	83	334036	10.67	ug/L		98
43) 2-hexanone	5.45	43	3017966	113.28	ug/L	#	95
44) 1,3-dichloropropane	5.31	76	746801	10.09	ug/L		98
45) tetrachloroethene	5.80	166	449533	9.67	ug/L		98
46) dibromochloromethane	5.49	129	327207	8.24	ug/L		97
47) 1,2-dibromoethane	5.66	107	399046	9.76	ug/L	#	96
48) chlorobenzene	6.29	112	1327909	9.89	ug/L		97
49) 1,1,1,2-tetrachloroethane	6.24	131	359467	8.89	ug/L	#	1
50) ethylbenzene	6.45	91	2248321	9.92	ug/L		98
51) m+p xylene	6.60	106	1787089	19.45	ug/l		100
52) o-xylene	6.89	106	892081	9.88	ug/L		97
53) styrene	6.84	104	1392636	9.93	ug/L		91
54) bromoform	6.65	173	183455	8.28	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200907.D
Acq On : 20 Oct 2009 11:06 am
Operator :
Sample : reference 10ug/L (kg101509)
Misc : qc passed
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 10:43:54 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

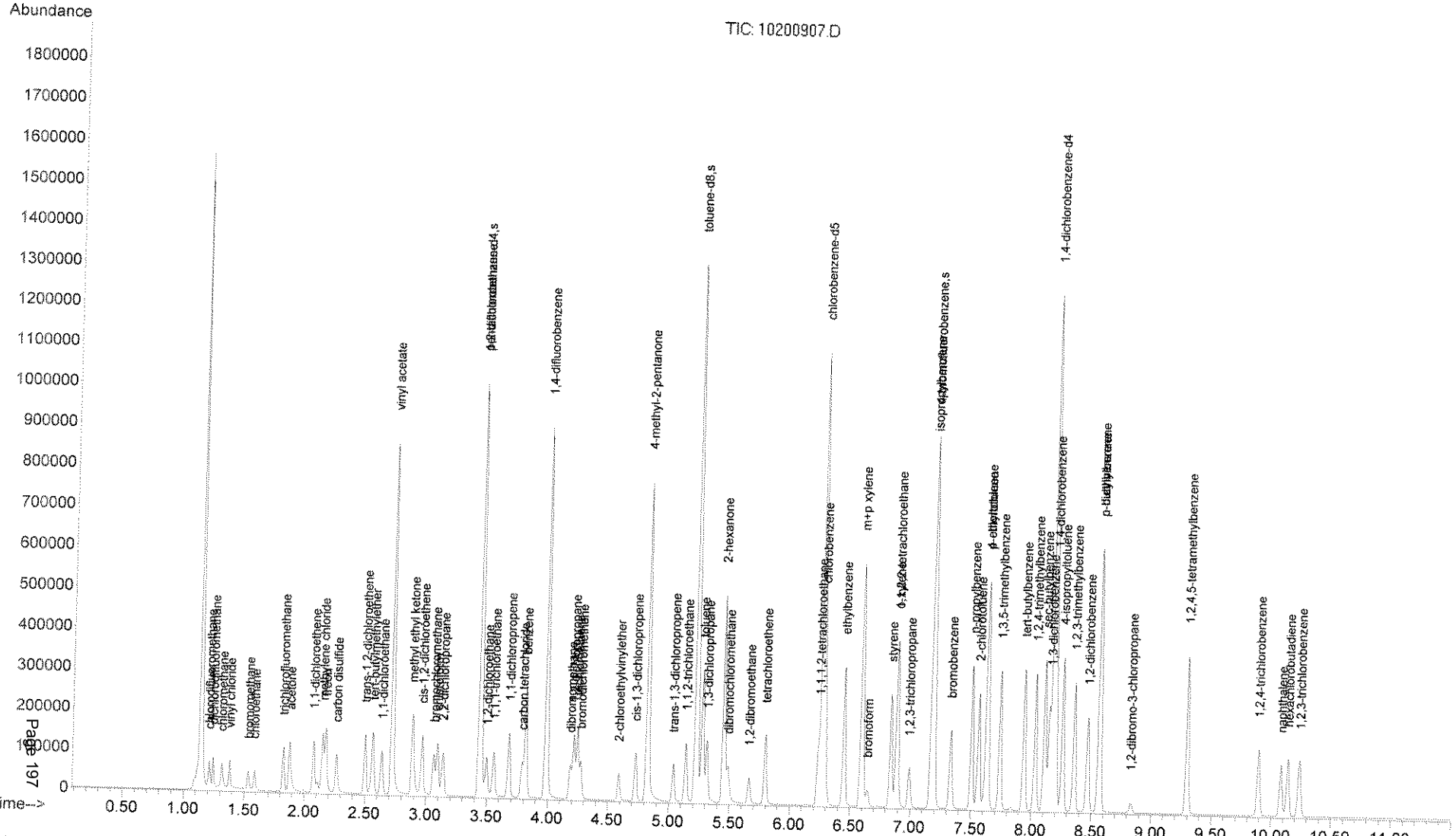
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	1939110	8.96 ug/L	99
57) 1,1,2,2-tetrachloroethane	6.89	83	493155	9.69 ug/L	99
58) 1,2,3-trichloropropane	6.99	75	400988	10.17 ug/L	96
59) n-propylbenzene	7.51	91	2639599	9.67 ug/L	98
60) bromobenzene	7.33	156	525659	9.81 ug/L	96
61) p-ethyltoluene	7.64	105	2359461	9.51 ug/L	100
62) 1,3,5-trimethylbenzene	7.74	120	946721	9.77 ug/L	98
63) 2-chlorotoluene	7.56	126	551921	9.89 ug/L	98
64) 4-chlorotoluene	7.63	126	555485	9.65 ug/L	90
65) tert-butylbenzene	7.94	134	431516	9.69 ug/L	95
66) 1,2,4-trimethylbenzene	8.03	105	1828892	9.54 ug/L	99
67) sec-butylbenzene	8.11	105	2544661	9.83 ug/L	99
68) 4-isopropyltoluene	8.26	119	2029597	9.43 ug/L	99
69) 1,3-dichlorobenzene	8.15	146	1024710	9.78 ug/L	97
70) 1,4-dichlorobenzene	8.20	146	1085559	10.25 ug/L	98
71) 1,2,3-trimethylbenzene	8.36	105	1761261	9.24 ug/L	100
72) n-butylbenzene	8.57	92	1168981	10.13 ug/L	91
73) p-diethylbenzene	8.56	119	1299087	9.55 ug/L	95
74) 1,2-dichlorobenzene	8.47	146	998330	9.86 ug/L	97
75) 1,2,4,5-tetramethylbenzene	9.30	119	2030328	11.16 ug/L	98
76) 1,2-dibromo-3-chloropropan	8.84	157	61757	8.05 ug/L #	77
77) 1,2,4-trichlorobenzene	9.89	180	530432	9.39 ug/L	94
78) hexachlorobutadiene	10.14	225	259206	8.75 ug/L	99
79) naphthalene	10.08	128	1059108	9.20 ug/L	99
80) 1,2,3-trichlorobenzene	10.24	180	471688	9.92 ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200907.D
Acq On : 20 Oct 2009 11:06 am
Operator :
Sample : reference 10ug/L (kg101509)
Misc : qc passed
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 10:43:54 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



8260-101409.M Thu Oct 29 09:03:39 2009

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Initial Calibration

Summary Reports
Quant Reports and Chomatograms

Response Factor Report GCMSV5

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260-101409.M
Title :
Last Update : Thu Oct 15 09:26:48 2009
Response Via : Initial Calibration

Calibration Files
5 =10140916.D 10 =10140917.D 15 =10140918.D
20 =10140919.D 50 =10140921.D 100 =10140922.D

		Compound	5	10	15	20	50	100	Avg	%RSD
1)		pentafluorobenzene	----------ISTD----------							
2)		dichlorodifluorom	0.477	0.466	0.481	0.490	0.501	0.459	0.479	3.19
3)		chlorodifluoromet	0.660	0.648	0.632	0.650	0.605	0.621	0.636	3.24
4)		chloromethane	0.608	0.602	0.598	0.597	0.623	0.545	0.596	4.46
5)		vinyl chloride	0.475	0.473	0.458	0.460	0.451	0.382	0.450	7.61
6)		bromomethane	0.243	0.241	0.252	0.257	0.281	0.251	0.254	5.59
7)		chloroethane	0.373	0.365	0.361	0.318	0.319	0.275	0.335	11.34
8)		trichlorofluorome	0.736	0.763	0.711	0.734	0.771	0.679	0.732	4.65
9)		freon	0.379	0.389	0.351	0.367	0.391	0.324	0.367	7.02
10)		acetone	0.046	0.045	0.042	0.045	0.046	0.039	0.044	6.45
11)		1,1-dichloroethen	0.430	0.427	0.415	0.425	0.424	0.397	0.419	2.94
12)		methylene chlorid	0.570	0.553	0.550	0.562	0.556	0.494	0.547	4.98
13)		carbon disulfide	1.135	1.214	1.198	1.286	1.482	1.249	1.261	9.49
14)		tert-butylmethyle	1.149	1.245	1.162	1.251	1.340	1.129	1.213	6.65
15)		trans-1,2-dichlor	0.555	0.546	0.545	0.549	0.539	0.504	0.540	3.35
16)		vinyl acetate	0.981	1.108	1.049	1.108	1.210	1.014	1.078	7.61
17)		1,1-dichloroethan	0.957	0.970	0.969	0.971	0.964	0.914	0.957	2.29
18)		methyl ethyl keto	0.049	0.062	0.049	0.052	0.060	0.046	0.053	11.85
19)		2,2-dichloropropa	0.466	0.507	0.514	0.546	0.571	0.579	0.530	8.09
20)		cis-1,2-dichloroe	0.612	0.615	0.600	0.607	0.592	0.556	0.597	3.67
21)		chloroform	0.937	0.938	0.900	0.889	0.871	0.821	0.893	4.93
22)		bromochloromethan	0.267	0.279	0.269	0.285	0.278	0.264	0.274	2.93
23)		1,1,1-trichloroet	0.644	0.687	0.673	0.683	0.707	0.685	0.680	3.05
24)		1,4-difluorobenzene	----------ISTD----------							
25)		1,1-dichloroprope	0.494	0.494	0.483	0.485	0.478	0.467	0.483	2.14
26)		carbon tetrachlor	0.308	0.329	0.325	0.344	0.359	0.376	0.340	7.22
27)	s	1,2-dichloroethan	0.078	0.082	0.078	0.074	0.075	0.072	0.076	4.64
28)		1,2-dichloroethan	0.469	0.452	0.459	0.451	0.439	0.410	0.447	4.59
29)		benzene	1.491	1.519	1.505	1.501	1.488	1.432	1.489	2.03
30)		trichloroethene	0.380	0.382	0.373	0.372	0.368	0.356	0.372	2.54
31)		1,2-dichloropropa	0.374	0.399	0.398	0.396	0.392	0.383	0.390	2.53
32)		bromodichlorometh	0.384	0.402	0.401	0.415	0.436	0.429	0.411	4.71
33)		dibromomethane	0.202	0.207	0.203	0.205	0.209	0.200	0.204	1.60
34)		2-chloroethylviny	0.169	0.193	0.183	0.195	0.233	0.200	0.196	10.82
35)		4-methyl-2-pentan	0.310	0.337	0.315	0.329	0.356	0.302	0.325	6.12
36)		cis-1,3-dichlorop	0.394	0.449	0.471	0.495	0.538	0.537	0.481	11.48
37)	s	toluene-d8	1.252	1.272	1.269	1.269	1.271	1.281	1.269	0.76
38)		toluene	1.656	1.671	1.646	1.658	1.643	1.598	1.645	1.53
39)		trans-1,3-dichlor	0.312	0.363	0.373	0.410	0.468	0.473	0.400	15.81
40)		1,1,2-trichloroet	0.272	0.270	0.268	0.277	0.276	0.261	0.271	2.23
41)	s	4-bromofluorobenz	0.354	0.341	0.348	0.353	0.355	0.361	0.352	2.01
42)		chlorobenzene-d5	----------ISTD----------							
43)		2-hexanone	0.433	0.453	0.429	0.447	0.481	0.401	0.441	6.11
44)		1,3-dichloropropa	1.265	1.254	1.216	1.262	1.213	1.165	1.229	3.16
45)		tetrachloroethene	0.775	0.781	0.764	0.766	0.748	0.745	0.763	1.85
46)		dibromochlorometh	0.511	0.569	0.570	0.626	0.653	0.666	0.599	9.89
47)		1,2-dibromoethane	0.650	0.664	0.645	0.691	0.665	0.657	0.662	2.48
48)		chlorobenzene	2.323	2.302	2.211	2.249	2.168	2.132	2.231	3.35
49)		1,1,1,2-tetrachlo	0.568	0.589	0.584	0.627	0.658	0.678	0.618	7.19
50)		ethylbenzene	3.741	3.811	3.782	3.766	3.665	3.612	3.730	2.03
51)		m+p xylene	1.463	1.546	1.532	1.518	1.490	1.467	1.503	2.29
52)		o-xylene	1.454	1.520	1.500	1.510	1.466	1.438	1.481	2.25
53)		styrene	2.255	2.265	2.263	2.306	2.246	2.276	2.268	0.93
54)		bromoform	0.251	0.298	0.295	0.319	0.359	0.387	0.318	15.27
55)		1,4-dichlorobenzene-d	----------ISTD----------							
56)		isopropylbenzene	3.434	3.348	3.335	3.467	3.332	3.193	3.351	2.86
57)		1,1,2,2-tetrachlo	0.782	0.761	0.727	0.789	0.745	0.698	0.750	4.57
58)		1,2,3-trichloropr	0.658	0.646	0.611	0.644	0.612	0.571	0.624	5.19
59)		n-propylbenzene	4.197	4.349	4.285	4.354	4.210	4.008	4.234	3.04

Response Factor Report GCMSV5

Method Path : C:\MSDCHEM\1\METHODS\
Method File : 8260-101409.M
Title :
Last Update : Thu Oct 15 09:26:48 2009
Response Via : Initial Calibration

Calibration Files
5 =10140916.D 10 =10140917.D 15 =10140918.D
20 =10140919.D 50 =10140921.D 100 =10140922.D

	Compound	5	10	15	20	50	100	Avg	%RSD
60)	bromobenzene	0.833	0.837	0.822	0.851	0.830	0.789	0.827	2.54
61)	p-ethyltoluene	3.477	3.729	3.452	3.530	3.785	3.069	3.507	7.25
62)	1,3,5-trimethylbe	1.452	1.529	1.487	1.523	1.503	1.429	1.487	2.68
63)	2-chlorotoluene	0.877	0.905	0.874	0.880	0.849	0.824	0.868	3.24
64)	4-chlorotoluene	0.915	0.930	0.904	0.927	0.892	0.837	0.901	3.82
65)	tert-butylbenzene	0.663	0.690	0.692	0.709	0.690	0.656	0.683	2.93
66)	1,2,4-trimethylbe	2.906	2.988	2.999	3.045	2.966	2.823	2.954	2.67
67)	sec-butylbenzene	3.991	4.147	4.158	4.197	3.948	3.789	4.038	3.90
68)	4-isopropyltoluen	3.300	3.383	3.430	3.469	3.319	3.149	3.342	3.41
69)	1,3-dichlorobenze	1.688	1.701	1.640	1.692	1.616	1.528	1.644	4.01
70)	1,4-dichlorobenze	1.718	1.733	1.683	1.704	1.639	1.537	1.669	4.34
71)	1,2,3-trimethylbe	2.932	3.151	2.990	3.017	3.220	2.649	2.993	6.66
72)	n-butylbenzene	1.797	1.880	1.898	1.887	1.779	1.668	1.818	4.88
73)	p-diethylbenzene	1.849	1.968	1.945	1.985	2.045	1.665	1.909	7.11
74)	1,2-dichlorobenze	1.605	1.624	1.585	1.639	1.563	1.478	1.582	3.66
75)	1,2,4,5-tetrameth	2.477	2.898	2.866	2.905	3.091	2.541	2.796	8.48
76)	1,2-dibromo-3-chl	0.093	0.095	0.099	0.113	0.122	0.120	0.107	11.89
77)	1,2,4-trichlorobe	0.862	0.938	0.954	0.953	0.877	0.803	0.898	6.78
78)	hexachlorobutadie	0.448	0.453	0.456	0.438	0.406	0.372	0.429	7.72
79)	naphthalene	1.655	1.775	1.760	1.899	1.805	1.680	1.762	5.00
80)	1,2,3-trichlorobe	0.790	0.807	0.820	0.818	0.739	0.664	0.773	7.92

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140916.D
Acq On : 14 Oct 2009 5:18 pm
Operator :
Sample : water stnd 5ug/L (kg101409)
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 07:46:08 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:45:06 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	4088811	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	6240773	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3036415	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3202143	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	485188	52.15 ug/L	0.00
37) toluene-d8	5.22	98	7812221	45.22 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2211580	32.46 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	194852	3.20 ug/L	97
3) chlorodifluoromethane	1.21	51	269923	3.61 ug/L	100
4) chloromethane	1.31	50	248800m	2.85 ug/L	
5) vinyl chloride	1.38	62	194209	3.16 ug/L	98
6) bromomethane	1.53	96	99376	2.75 ug/L	98
7) chloroethane	1.59	64	152596	3.62 ug/L	97
8) trichlorofluoromethane	1.83	101	300799	3.10 ug/L #	94
9) freon	2.18	151	155085	3.12 ug/L	96
10) acetone	1.88	58	94375	14.88 ug/L	94
11) 1,1-dichloroethene	2.08	96	175723	3.22 ug/L	96
12) methylene chloride	2.15	84	233172	3.28 ug/L	95
13) carbon disulfide	2.27	76	464271	2.84 ug/L	98
14) tert-butylmethylether	2.56	73	469650	2.72 ug/L	99
15) trans-1,2-dichloroethene	2.50	96	226941	3.19 ug/L	94
16) vinyl acetate	2.72	43	2005265	13.25 ug/L	100
17) 1,1-dichloroethane	2.64	63	391109	3.06 ug/L #	92
18) methyl ethyl ketone	2.89	72	100858	13.51 ug/L #	90
19) 2,2-dichloropropane	3.14	77	190518	2.47 ug/L #	56
20) cis-1,2-dichloroethene	2.97	96	250114	3.16 ug/L	93
21) chloroform	3.09	83	382959	3.29 ug/L	95
22) bromochloromethane	3.06	128	109275	2.93 ug/L	89
23) 1,1,1-trichloroethane	3.55	97	263302	2.81 ug/L #	85
25) 1,1-dichloropropene	3.68	75	308150	4.01 ug/L	98
26) carbon tetrachloride	3.79	119	192122	3.27 ug/L #	92
28) 1,2-dichloroethane	3.49	62	292701m	4.12 ug/L	
29) benzene	3.82	78	930386	3.92 ug/L	99
30) trichloroethene	4.25	95	237356	3.97 ug/L	95
31) 1,2-dichloropropane	4.22	63	233188	3.67 ug/L #	92
32) bromodichloromethane	4.27	83	239487	3.50 ug/L #	96
33) dibromomethane	4.19	93	126348	3.75 ug/L	98
34) 2-chloroethylvinylether	4.59	63	105682	3.07 ug/L	97
35) 4-methyl-2-pentanone	4.83	43	966948	17.23 ug/L	98
36) cis-1,3-dichloropropene	4.73	75	246020	3.41 ug/L	98
38) toluene	5.27	91	1033646	3.81 ug/L	98
39) trans-1,3-dichloropropene	5.04	75	194560	3.34 ug/L	98
40) 1,1,2-trichloroethane	5.14	83	169962	3.83 ug/L	95
43) 2-hexanone	5.45	43	658123	25.33 ug/L #	93
44) 1,3-dichloropropane	5.31	76	384083	5.67 ug/L	100
45) tetrachloroethene	5.80	166	235219	5.24 ug/L	98
46) dibromochloromethane	5.49	129	155225	4.26 ug/L	98
47) 1,2-dibromoethane	5.66	107	197356	5.13 ug/L #	95
48) chlorobenzene	6.29	112	705287	5.59 ug/L	93
49) 1,1,1,2-tetrachloroethane	6.24	131	172547	4.60 ug/L #	1
50) ethylbenzene	6.45	91	1136005	5.42 ug/L	100
51) m+p xylene	6.60	106	888696	10.38 ug/l	93
52) o-xylene	6.89	106	441565	5.27 ug/L	88
53) styrene	6.84	104	684577	5.07 ug/L	90
54) bromoform	6.65	173	76272	3.68 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140916.D
Acq On : 14 Oct 2009 5:18 pm
Operator :
Sample : water stnd 5ug/L (kg101409)
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 07:46:08 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:45:06 2009
Response via : Initial Calibration

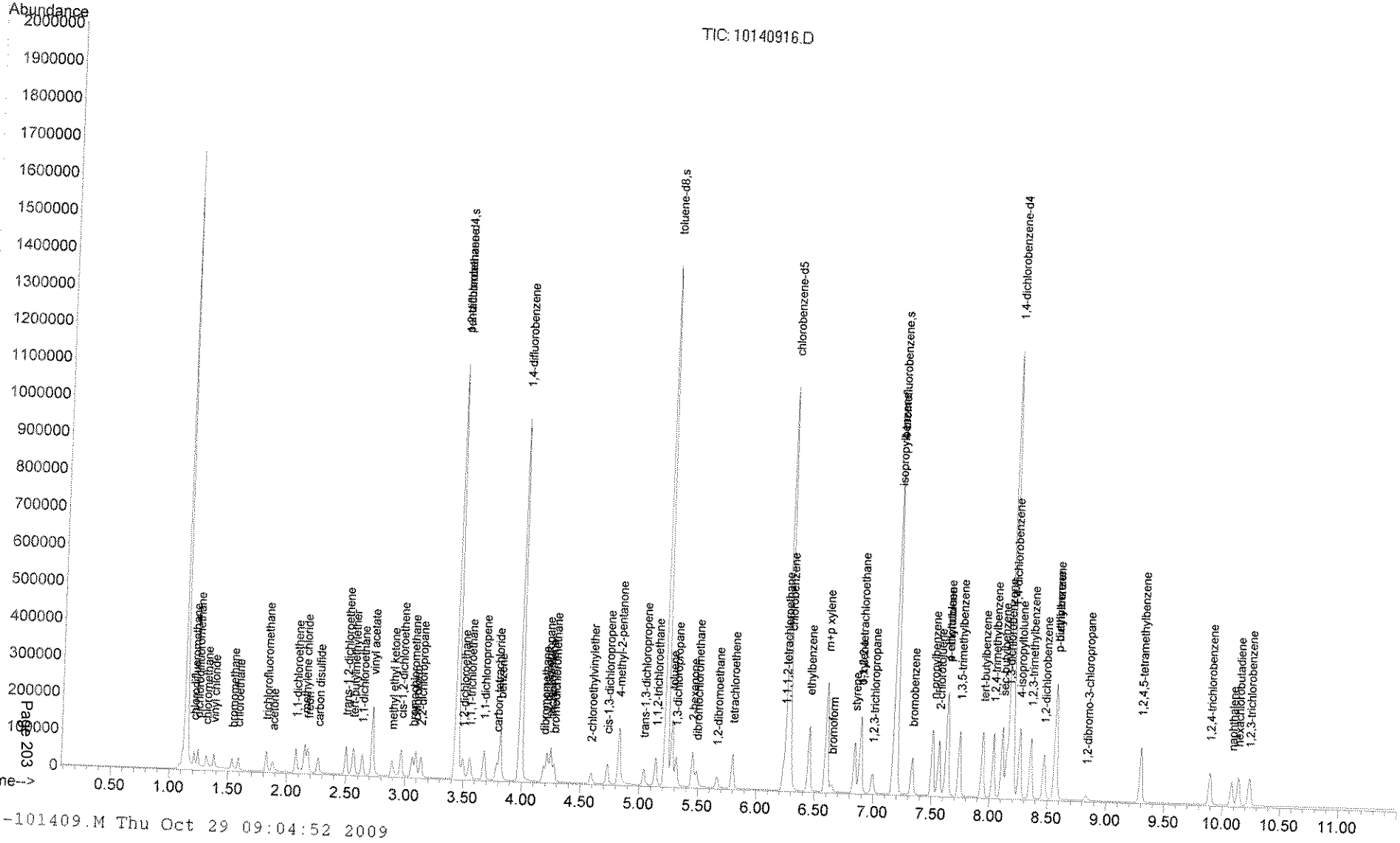
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	1099505	6.35 ug/L	99
57) 1,1,2,2-tetrachloroethane	6.89	83	250396	6.48 ug/L	99
58) 1,2,3-trichloropropane	6.99	75	210811	6.61 ug/L	96
59) n-propylbenzene	7.51	91	1343870	6.22 ug/L	96
60) bromobenzene	7.33	156	266806	6.13 ug/L	95
61) p-ethyltoluene	7.64	105	1113308	6.27 ug/L	98
62) 1,3,5-trimethylbenzene	7.74	120	464956	5.92 ug/L	97
63) 2-chlorotoluene	7.56	126	280703	6.25 ug/L	95
64) 4-chlorotoluene	7.63	126	293023	6.32 ug/L	98
65) tert-butylbenzene	7.94	134	212414	5.76 ug/L	89
66) 1,2,4-trimethylbenzene	8.03	105	930514	6.03 ug/L	98
67) sec-butylbenzene	8.11	105	1277849	6.06 ug/L	98
68) 4-isopropyltoluene	8.26	119	1056818	6.00 ug/L	98
69) 1,3-dichlorobenzene	8.15	146	540450	6.25 ug/L	98
70) 1,4-dichlorobenzene	8.20	146	549989	6.32 ug/L	97
71) 1,2,3-trimethylbenzene	8.36	105	938992	5.99 ug/L	99
72) n-butylbenzene	8.57	92	575533	6.18 ug/L #	84
73) p-diethylbenzene	8.56	119	592068	6.05 ug/L	95
74) 1,2-dichlorobenzene	8.47	146	513974	6.19 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.30	119	793224	5.14 ug/L	99
76) 1,2-dibromo-3-chloropropan	8.83	157	29804	4.46 ug/L #	91
77) 1,2,4-trichlorobenzene	9.89	180	276049	5.55 ug/L	96
78) hexachlorobutadiene	10.14	225	143318	5.80 ug/L	97
79) naphthalene	10.08	128	529993	5.30 ug/L	98
80) 1,2,3-trichlorobenzene	10.24	180	253099	5.10 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140916.D
Acq On : 14 Oct 2009 5:18 pm
Operator :
Sample : water stnd 5ug/L (kg101409)
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 07:46:08 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:45:06 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140917.D
Acq On : 14 Oct 2009 5:40 pm
Operator :
Sample : water stnd 10ug/L (kg101409)
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:47:53 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:46:24 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	4097292	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	6300960	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3116856	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3359724	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	515083	54.37 ug/L	0.00
37) toluene-d8	5.22	98	8017351	46.94 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2146455	33.50 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	382243	6.36 ug/L	98
3) chlorodifluoromethane	1.21	51	531015m	7.18 ug/L	
4) chloromethane	1.32	50	492988m	5.75 ug/L	
5) vinyl chloride	1.38	62	387225	6.40 ug/L	98
6) bromomethane	1.53	96	197814	5.56 ug/L	97
7) chloroethane	1.59	64	299127	7.15 ug/L	99
8) trichlorofluoromethane	1.83	101	625133	6.52 ug/L	99
9) freon	2.18	151	318529	6.48 ug/L	98
10) acetone	1.88	58	185275	29.61 ug/L	87
11) 1,1-dichloroethene	2.08	96	349875	6.49 ug/L	93
12) methylene chloride	2.15	84	452860	6.45 ug/L	99
13) carbon disulfide	2.27	76	994516	6.13 ug/L	98
14) tert-butylmethylether	2.56	73	1020480	6.00 ug/L	99
15) trans-1,2-dichloroethene	2.50	96	447396	6.37 ug/L	99
16) vinyl acetate	2.72	43	4540495	30.32 ug/L	100
17) 1,1-dichloroethane	2.64	63	794961	6.30 ug/L #	92
18) methyl ethyl ketone	2.89	72	253256m	34.45 ug/L	
19) 2,2-dichloropropane	3.14	77	415711	5.45 ug/L #	56
20) cis-1,2-dichloroethene	2.97	96	504172	6.44 ug/L	95
21) chloroform	3.09	83	768779	6.70 ug/L	98
22) bromochloromethane	3.06	128	228399	6.21 ug/L	87
23) 1,1,1-trichloroethane	3.55	97	563137m	6.09 ug/L	
25) 1,1-dichloropropene	3.68	75	622703	8.08 ug/L	98
26) carbon tetrachloride	3.79	119	415229	7.08 ug/L #	96
28) 1,2-dichloroethane	3.49	62	569177m	8.01 ug/L	
29) benzene	3.82	78	1914158	8.05 ug/L	98
30) trichloroethene	4.25	95	481680	8.05 ug/L	97
31) 1,2-dichloropropane	4.22	63	502672	7.91 ug/L #	97
32) bromodichloromethane	4.28	83	506194	7.37 ug/L	96
33) dibromomethane	4.19	93	260798	7.73 ug/L	95
34) 2-chloroethylvinylether	4.59	63	243002	7.05 ug/L	94
35) 4-methyl-2-pentanone	4.82	43	2124098	37.78 ug/L	99
36) cis-1,3-dichloropropene	4.73	75	566189	7.91 ug/L	99
38) toluene	5.27	91	2105410	7.76 ug/L	99
39) trans-1,3-dichloropropene	5.04	75	457569	7.78 ug/L	98
40) 1,1,2-trichloroethane	5.14	83	340259	7.67 ug/L	98
43) 2-hexanone	5.45	43	1412907	52.64 ug/L #	94
44) 1,3-dichloropropane	5.31	76	781672	11.18 ug/L	99
45) tetrachloroethene	5.80	166	486734	10.55 ug/L	96
46) dibromochloromethane	5.49	129	354511	9.44 ug/L	97
47) 1,2-dibromoethane	5.66	107	414123	10.46 ug/L #	94
48) chlorobenzene	6.29	112	1435050	11.03 ug/L	97
49) 1,1,1,2-tetrachloroethane	6.23	131	366903	9.49 ug/L #	1
50) ethylbenzene	6.45	91	2375600	10.99 ug/L	99
51) m+p xylene	6.60	106	1927128	21.88 ug/l	98
52) o-xylene	6.89	106	947832	10.96 ug/L	94
53) styrene	6.84	104	1412143m	10.13 ug/L	
54) bromoform	6.65	173	185567	8.72 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140917.D
Acq On : 14 Oct 2009 5:40 pm
Operator :
Sample : water stnd 10ug/L (kg101409)
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:47:53 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:46:24 2009
Response via : Initial Calibration

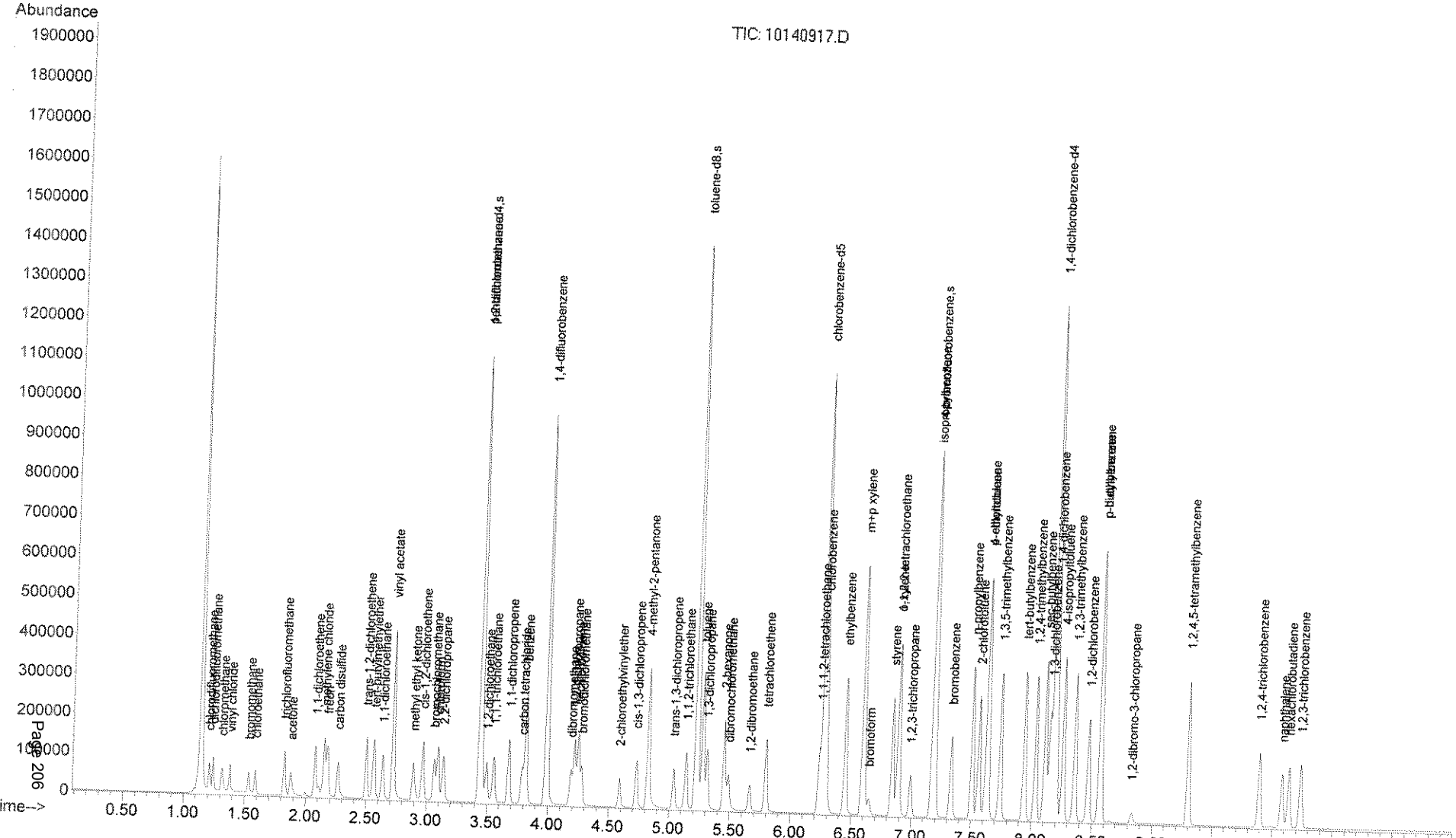
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	2249897	12.23 ug/L	99
57) 1,1,2,2-tetrachloroethane	6.89	83	511143	12.00 ug/L	97
58) 1,2,3-trichloropropane	6.99	75	434038	12.80 ug/L	98
59) n-propylbenzene	7.51	91	2922077	12.74 ug/L	95
60) bromobenzene	7.33	156	562716	12.19 ug/L	96
61) p-ethyltoluene	7.64	105	2505893	12.83 ug/L	100
62) 1,3,5-trimethylbenzene	7.74	120	1027614	12.35 ug/L	99
63) 2-chlorotoluene	7.56	126	608339	12.76 ug/L	99
64) 4-chlorotoluene	7.63	126	624890	12.69 ug/L	90
65) tert-butylbenzene	7.94	134	463566	11.90 ug/L	94
66) 1,2,4-trimethylbenzene	8.03	105	2007872	12.28 ug/L	97
67) sec-butylbenzene	8.11	105	2786699	12.48 ug/L	100
68) 4-isopropyltoluene	8.26	119	2272916	12.16 ug/L	98
69) 1,3-dichlorobenzene	8.15	146	1142931	12.44 ug/L	100
70) 1,4-dichlorobenzene	8.20	146	1164764	12.60 ug/L	99
71) 1,2,3-trimethylbenzene	8.36	105	2117242	12.72 ug/L	98
72) n-butylbenzene	8.57	92	1262969	12.79 ug/L #	85
73) p-diethylbenzene	8.56	119	1322392	12.30 ug/L	92
74) 1,2-dichlorobenzene	8.47	146	1091096	12.40 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.30	119	1946972	11.94 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.83	157	64103	9.12 ug/L #	79
77) 1,2,4-trichlorobenzene	9.89	180	630135	11.98 ug/L	96
78) hexachlorobutadiene	10.14	225	304473	11.47 ug/L	96
79) naphthalene	10.08	128	1192690	11.28 ug/L	99
80) 1,2,3-trichlorobenzene	10.24	180	542459	10.38 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140917.D
Acq On : 14 Oct 2009 5:40 pm
Operator :
Sample : water stnd 10ug/L (kg101409)
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 07:47:53 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:46:24 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140918.D
Acq On : 14 Oct 2009 6:03 pm
Operator :
Sample : water stnd 15ug/L (kg101409)
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 07:49:27 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:48:09 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	3990993	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	6110448	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3058287	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3309205	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	473806	50.71 ug/L	0.00
37) toluene-d8	5.22	98	7755294	47.68 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2125040	37.26 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	575901	10.12 ug/L	100
3) chlorodifluoromethane	1.21	51	757141	10.72 ug/L	99
4) chloromethane	1.32	50	716446	8.94 ug/L	97
5) vinyl chloride	1.38	62	548793	9.66 ug/L	99
6) bromomethane	1.53	96	302061	9.04 ug/L	91
7) chloroethane	1.59	64	432504	10.88 ug/L	100
8) trichlorofluoromethane	1.83	101	851562	9.38 ug/L	97
9) freon	2.18	151	419729	9.07 ug/L	95
10) acetone	1.88	58	254169	43.23 ug/L	96
11) 1,1-dichloroethene	2.08	96	496523	9.73 ug/L	92
12) methylene chloride	2.15	84	659046	9.97 ug/L	96
13) carbon disulfide	2.27	76	1434828	9.32 ug/L	98
14) tert-butylmethylether	2.56	73	1391000	8.68 ug/L	99
15) trans-1,2-dichloroethene	2.50	96	651991	9.84 ug/L	98
16) vinyl acetate	2.72	43	6281403	44.37 ug/L	100
17) 1,1-dichloroethane	2.64	63	1159743	9.73 ug/L #	91
18) methyl ethyl ketone	2.89	72	295554	42.06 ug/L	94
19) 2,2-dichloropropane	3.14	77	615270	8.53 ug/L #	56
20) cis-1,2-dichloroethene	2.97	96	718075	9.72 ug/L	96
21) chloroform	3.09	83	1077763	9.91 ug/L	97
22) bromochloromethane	3.06	128	322056	9.29 ug/L	88
23) 1,1,1-trichloroethane	3.56	97	806221	9.22 ug/L #	85
25) 1,1-dichloropropene	3.68	75	885626	12.02 ug/L	100
26) carbon tetrachloride	3.79	119	595786	10.63 ug/L #	97
28) 1,2-dichloroethane	3.49	62	841635m	12.36 ug/L	
29) benzene	3.82	78	2758848	12.14 ug/L	99
30) trichloroethene	4.25	95	683210	11.94 ug/L	98
31) 1,2-dichloropropane	4.22	63	729002	12.01 ug/L	97
32) bromodichloromethane	4.27	83	734971	11.17 ug/L	95
33) dibromomethane	4.19	93	371885	11.53 ug/L	99
34) 2-chloroethylvinylether	4.59	63	335791	10.21 ug/L	96
35) 4-methyl-2-pentanone	4.82	43	2888036	53.80 ug/L	98
36) cis-1,3-dichloropropene	4.73	75	863682	12.74 ug/L	98
38) toluene	5.27	91	3017016	11.68 ug/L	98
39) trans-1,3-dichloropropene	5.04	75	683016	12.16 ug/L	98
40) 1,1,2-trichloroethane	5.14	83	490546	11.56 ug/L	96
43) 2-hexanone	5.45	43	1966468	73.84 ug/L #	93
44) 1,3-dichloropropane	5.31	76	1115475	16.04 ug/L	99
45) tetrachloroethene	5.80	166	701063	15.35 ug/L	99
46) dibromochloromethane	5.49	129	523006	14.06 ug/L	98
47) 1,2-dibromoethane	5.66	107	591489	15.06 ug/L	97
48) chlorobenzene	6.29	112	2028729	15.70 ug/L	97
49) 1,1,1,2-tetrachloroethane	6.24	131	536174	14.07 ug/L #	1
50) ethylbenzene	6.45	91	3469884	16.17 ug/L	98
51) m+p xylene	6.60	106	2811107	32.16 ug/l	98
52) o-xylene	6.89	106	1376322	16.01 ug/L	94
53) styrene	6.84	104	2075939m	15.08 ug/L	
54) bromoform	6.65	173	270950	12.88 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140918.D
Acq On : 14 Oct 2009 6:03 pm
Operator :
Sample : water stnd 15ug/L (kg101409)
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 07:49:27 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:48:09 2009
Response via : Initial Calibration

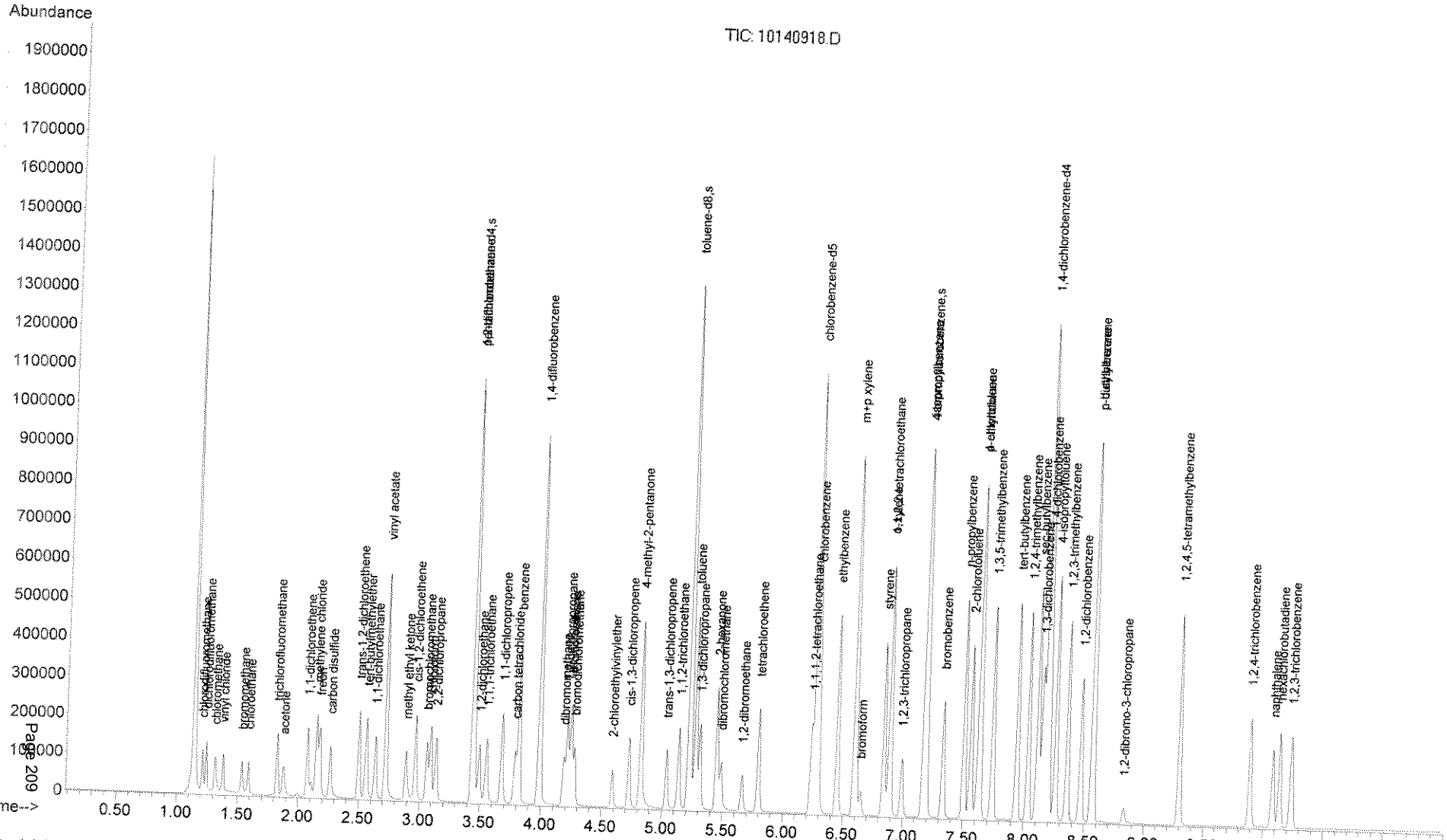
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	3310779	17.85 ug/L	99
57) 1,1,2,2-tetrachloroethane	6.88	83	722033	16.19 ug/L	99
58) 1,2,3-trichloropropane	6.99	75	606177	17.60 ug/L	98
59) n-propylbenzene	7.50	91	4253873	18.33 ug/L	96
60) bromobenzene	7.33	156	816354	17.54 ug/L	98
61) p-ethyltoluene	7.64	105	3426995	16.81 ug/L	99
62) 1,3,5-trimethylbenzene	7.74	120	1476555	17.59 ug/L	96
63) 2-chlorotoluene	7.56	126	868126	18.01 ug/L	97
64) 4-chlorotoluene	7.63	126	897298	17.99 ug/L	91
65) tert-butylbenzene	7.94	134	687126	17.57 ug/L	95
66) 1,2,4-trimethylbenzene	8.03	105	2977253m	18.05 ug/L	
67) sec-butylbenzene	8.11	105	4127483	18.33 ug/L	98
68) 4-isopropyltoluene	8.26	119	3404751	18.11 ug/L	99
69) 1,3-dichlorobenzene	8.15	146	1628435	17.59 ug/L	99
70) 1,4-dichlorobenzene	8.20	146	1670348	17.89 ug/L	98
71) 1,2,3-trimethylbenzene	8.36	105	2968614	17.71 ug/L	99
72) n-butylbenzene	8.57	92	1884066	18.89 ug/L #	86
73) p-diethylbenzene	8.56	119	1930477	17.41 ug/L	95
74) 1,2-dichlorobenzene	8.47	146	1573318	17.73 ug/L	99
75) 1,2,4,5-tetramethylbenzene	9.30	119	2845398	17.44 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.83	157	98531	14.09 ug/L #	88
77) 1,2,4-trichlorobenzene	9.89	180	946780	17.90 ug/L	97
78) hexachlorobutadiene	10.14	225	453123	16.80 ug/L	95
79) naphthalene	10.08	128	1747627	16.45 ug/L	99
80) 1,2,3-trichlorobenzene	10.24	180	813619	15.69 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140918.D
Acq On : 14 Oct 2009 6:03 pm
Operator :
Sample : water stnd 15ug/L (kg101409)
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 07:49:27 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:48:09 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140919.D
Acq On : 14 Oct 2009 6:25 pm
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 07:53:16 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:51:55 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) pentafluorobenzene	3.44	168	4183446	50.00 ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	6444738	50.00 ug/L	0.00
42) chlorobenzene-d5	6.27	82	3210030	50.00 ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3418379	50.00 ug/L	0.00
System Monitoring Compounds					
27) 1,2-dichloroethane-d4	3.45	102	477762	48.38 ug/L	0.00
37) toluene-d8	5.22	98	8178350	47.99 ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2275306	39.26 ug/L	0.00
Target Compounds					Qvalue
2) dichlorodifluoromethane	1.24	85	820233	14.28 ug/L	98
3) chlorodifluoromethane	1.21	51	1087539	15.19 ug/L	100
4) chloromethane	1.32	50	999685	12.47 ug/L	98
5) vinyl chloride	1.38	62	769739	13.47 ug/L	98
6) bromomethane	1.53	96	429827	12.85 ug/L	99
7) chloroethane	1.59	64	532104	13.18 ug/L	100
8) trichlorofluoromethane	1.83	101	1228247	13.49 ug/L	98
9) freon	2.18	151	613424	13.23 ug/L	97
10) acetone	1.88	58	376380	64.15 ug/L	99
11) 1,1-dichloroethene	2.08	96	711837	13.86 ug/L	92
12) methylene chloride	2.15	84	939753	14.10 ug/L	95
13) carbon disulfide	2.27	76	2152584	13.94 ug/L	98
14) tert-butylmethylether	2.56	73	2093563	13.09 ug/L	99
15) trans-1,2-dichloroethene	2.50	96	918769	13.76 ug/L	96
16) vinyl acetate	2.72	43	9268539	65.49 ug/L	100
17) 1,1-dichloroethane	2.64	63	1624533	13.54 ug/L #	91
18) methyl ethyl ketone	2.89	72	435014	62.16 ug/L	94
19) 2,2-dichloropropane	3.14	77	913132	12.71 ug/L #	56
20) cis-1,2-dichloroethene	2.97	96	1015351	13.66 ug/L	96
21) chloroform	3.09	83	1488050	13.58 ug/L	97
22) bromochloromethane	3.06	128	476317	13.69 ug/L	90
23) 1,1,1-trichloroethane	3.56	97	1142518	13.04 ug/L #	86
25) 1,1-dichloropropene	3.68	75	1250964	16.47 ug/L	99
26) carbon tetrachloride	3.79	119	886615	15.52 ug/L	97
28) 1,2-dichloroethane	3.49	62	1161443m	16.51 ug/L	
29) benzene	3.82	78	3869013	16.50 ug/L	100
30) trichloroethene	4.25	95	959205	16.27 ug/L	99
31) 1,2-dichloropropane	4.21	63	1020212	16.31 ug/L	98
32) bromodichloromethane	4.27	83	1069158	15.87 ug/L	95
33) dibromomethane	4.19	93	529542	15.99 ug/L	97
34) 2-chloroethylvinylether	4.59	63	502455	15.03 ug/L	99
35) 4-methyl-2-pentanone	4.82	43	4237656	77.33 ug/L	99
36) cis-1,3-dichloropropene	4.73	75	1275403	17.68 ug/L	99
38) toluene	5.27	91	4273115	16.09 ug/L	100
39) trans-1,3-dichloropropene	5.04	75	1057137	17.55 ug/L	99
40) 1,1,2-trichloroethane	5.14	83	713242	16.37 ug/L	95
43) 2-hexanone	5.45	43	2868867	102.81 ug/L #	93
44) 1,3-dichloropropane	5.31	76	1620036	22.03 ug/L	99
45) tetrachloroethene	5.80	166	983053	20.46 ug/L	98
46) dibromochloromethane	5.49	129	803641	20.72 ug/L	95
47) 1,2-dibromoethane	5.66	107	887650	21.52 ug/L	94
48) chlorobenzene	6.29	112	2887741	21.18 ug/L	99
49) 1,1,1,2-tetrachloroethane	6.24	131	805693	20.28 ug/L	93
50) ethylbenzene	6.45	91	4835400	21.28 ug/L	100
51) m+p xylene	6.60	106	3898254	42.14 ug/l	97
52) o-xylene	6.89	106	1938594	21.32 ug/L	93
53) styrene	6.84	104	2961186m	20.48 ug/L	
54) bromoform	6.65	173	409507	18.85 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140919.D
Acq On : 14 Oct 2009 6:25 pm
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 07:53:16 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:51:55 2009
Response via : Initial Calibration

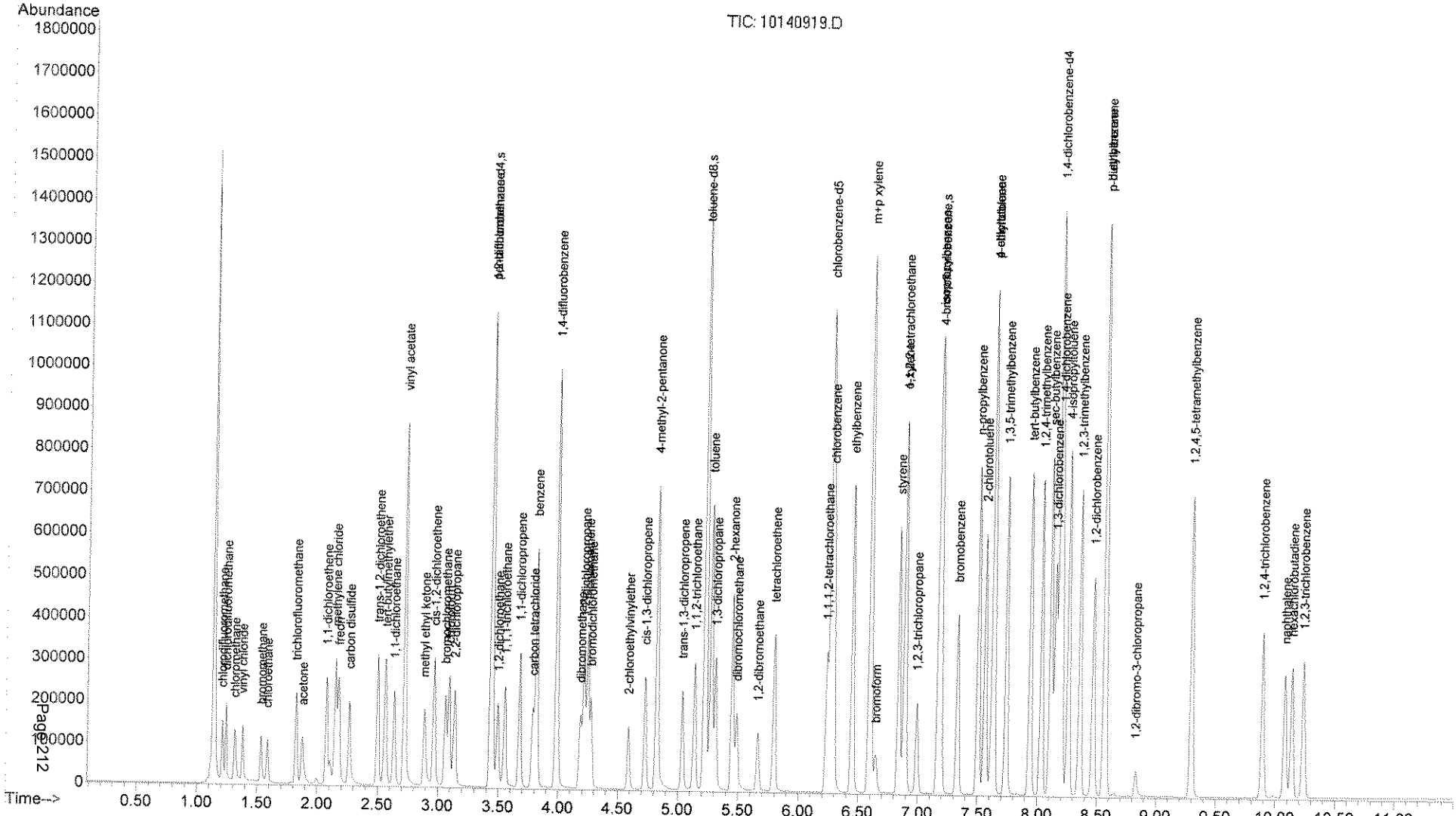
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	4741037	24.23 ug/L	100
57) 1,1,2,2-tetrachloroethane	6.89	83	1078686	23.89 ug/L	94
58) 1,2,3-trichloropropane	6.99	75	880751	24.28 ug/L	98
59) n-propylbenzene	7.51	91	5953319	24.22 ug/L	95
60) bromobenzene	7.33	156	1163626	23.74 ug/L	96
61) p-ethyltoluene	7.64	105	4826745	22.74 ug/L	99
62) 1,3,5-trimethylbenzene	7.74	120	2083030	23.56 ug/L	98
63) 2-chlorotoluene	7.56	126	1202746	23.62 ug/L	95
64) 4-chlorotoluene	7.63	126	1268033	24.07 ug/L	91
65) tert-butylbenzene	7.94	134	969958	23.55 ug/L	96
66) 1,2,4-trimethylbenzene	8.03	105	4163004	23.88 ug/L	98
67) sec-butylbenzene	8.11	105	5738791	24.06 ug/L	99
68) 4-isopropyltoluene	8.26	119	4743295	23.86 ug/L	99
69) 1,3-dichlorobenzene	8.15	146	2314135	23.73 ug/L	99
70) 1,4-dichlorobenzene	8.20	146	2329342	23.64 ug/L	99
71) 1,2,3-trimethylbenzene	8.36	105	4125504	23.35 ug/L	99
72) n-butylbenzene	8.57	92	2579583	24.32 ug/L #	86
73) p-diethylbenzene	8.56	119	2714570	23.24 ug/L	97
74) 1,2-dichlorobenzene	8.47	146	2241384	23.95 ug/L	98
75) 1,2,4,5-tetramethylbenzene	9.30	119	3972144	23.15 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.83	157	154582	21.54 ug/L	89
77) 1,2,4-trichlorobenzene	9.89	180	1303299	23.34 ug/L	95
78) hexachlorobutadiene	10.14	225	599544	21.42 ug/L	96
79) naphthalene	10.08	128	2596039	23.40 ug/L	98
80) 1,2,3-trichlorobenzene	10.24	180	1118983	20.78 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140919.D
Acq On : 14 Oct 2009 6:25 pm
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 07:53:16 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:51:55 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140921.D
Acq On : 14 Oct 2009 7:09 pm
Operator :
Sample : water stnd 50ug/L (kg101409)
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 07:56:09 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:55:10 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.44	168	4359446	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.99	114	6695202	50.00	ug/L		0.00
42) chlorobenzene-d5	6.27	82	3424974	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3652457	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.45	102	500369	48.93	ug/L		0.00
37) toluene-d8	5.22	98	8508273	49.50	ug/L		0.00
41) 4-bromofluorobenzene	7.19	174	2378335	46.28	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.24	85	2183203	41.87	ug/L		99
3) chlorodifluoromethane	1.21	51	2638014m	40.40	ug/L		
4) chloromethane	1.32	50	2716185	39.49	ug/L		98
5) vinyl chloride	1.38	62	1965074	38.55	ug/L		100
6) bromomethane	1.53	96	1223483	40.90	ug/L		96
7) chloroethane	1.59	64	1390254	38.35	ug/L		98
8) trichlorofluoromethane	1.83	101	3362157	40.46	ug/L		99
9) freon	2.18	151	1703763	40.73	ug/L		100
10) acetone	1.88	58	1012116	195.62	ug/L		94
11) 1,1-dichloroethene	2.08	96	1846316	40.10	ug/L		94
12) methylene chloride	2.15	84	2423502m	40.47	ug/L		
13) carbon disulfide	2.27	76	6460682	44.52	ug/L		98
14) tert-butylmethylether	2.56	73	5842778	40.90	ug/L		99
15) trans-1,2-dichloroethene	2.50	96	2349833	39.10	ug/L		98
16) vinyl acetate	2.72	43	26375830	207.05	ug/L		100
17) 1,1-dichloroethane	2.64	63	4202121	39.37	ug/L		99
18) methyl ethyl ketone	2.89	72	1303569	209.47	ug/L		94
19) 2,2-dichloropropane	3.14	77	2488187	39.58	ug/L		99
20) cis-1,2-dichloroethene	2.97	96	2579557	38.75	ug/L		97
21) chloroform	3.09	83	3796505	38.80	ug/L		95
22) bromochloromethane	3.06	128	1210626	39.15	ug/L		90
23) 1,1,1-trichloroethane	3.55	97	3080931	39.85	ug/L	#	96
25) 1,1-dichloropropene	3.68	75	3198374	43.50	ug/L		100
26) carbon tetrachloride	3.79	119	2404615	44.53	ug/L		96
28) 1,2-dichloroethane	3.49	62	2940325m	43.29	ug/L		
29) benzene	3.82	78	9965573	43.99	ug/L		99
30) trichloroethene	4.24	95	2463082	43.49	ug/L		99
31) 1,2-dichloropropane	4.21	63	2623935	43.47	ug/L		98
32) bromodichloromethane	4.27	83	2916715	45.37	ug/L		99
33) dibromomethane	4.19	93	1396596	43.90	ug/L		98
34) 2-chloroethylvinylether	4.59	63	1556964	47.79	ug/L		97
35) 4-methyl-2-pentanone	4.82	43	11912261	224.37	ug/L		98
36) cis-1,3-dichloropropene	4.73	75	3599791	41.04	ug/L		99
38) toluene	5.27	91	11000860	43.36	ug/L		99
39) trans-1,3-dichloropropene	5.04	75	3132570	40.84	ug/L		99
40) 1,1,2-trichloroethane	5.14	83	1850520	44.13	ug/L		94
43) 2-hexanone	5.45	43	8241365	260.39	ug/L		97
44) 1,3-dichloropropane	5.31	76	4155669	49.70	ug/L		100
45) tetrachloroethene	5.80	166	2561159	48.09	ug/L		99
46) dibromochloromethane	5.49	129	2236642	51.90	ug/L		96
47) 1,2-dibromoethane	5.66	107	2279220	49.15	ug/L		95
48) chlorobenzene	6.29	112	7426707	48.64	ug/L		98
49) 1,1,1,2-tetrachloroethane	6.24	131	2255130	51.38	ug/L		97
50) ethylbenzene	6.45	91	12553874	49.04	ug/L		99
51) m+p xylene	6.60	106	10208060	98.58	ug/l		97
52) o-xylene	6.89	106	5022525	49.42	ug/L		95
53) styrene	6.84	104	7691914	48.14	ug/L		99
54) bromoform	6.65	173	1230581	52.17	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140921.D
Acq On : 14 Oct 2009 7:09 pm
Operator :
Sample : water stnd 50ug/L (kg101409)
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 07:56:09 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:55:10 2009
Response via : Initial Calibration

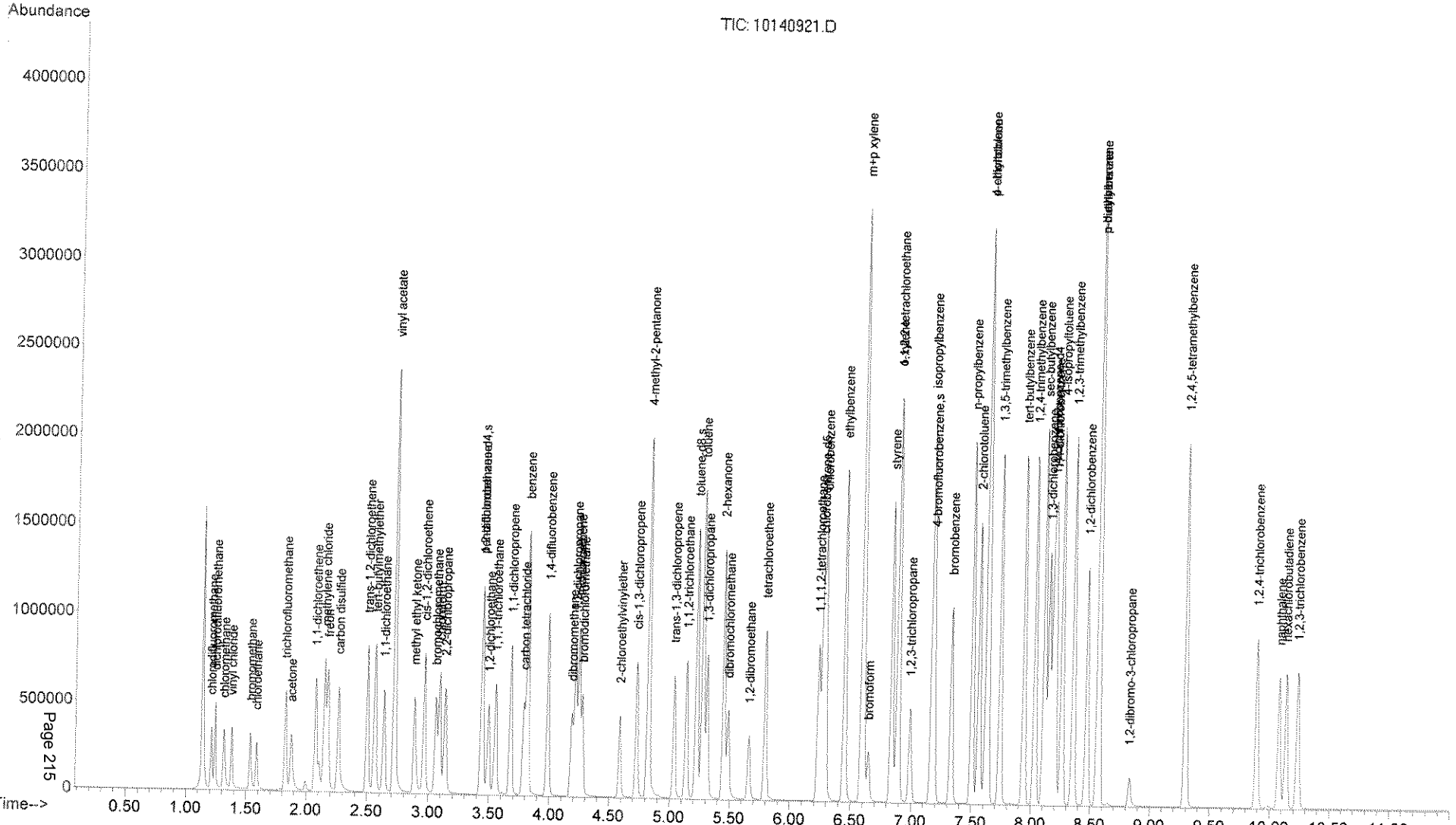
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	12168304	51.99 ug/L	100
57) 1,1,2,2-tetrachloroethane	6.89	83	2720645	69.29 ug/L	97
58) 1,2,3-trichloropropane	6.99	75	2235646	51.19 ug/L	98
59) n-propylbenzene	7.51	91	15375390	52.06 ug/L	96
60) bromobenzene	7.33	156	3031169	52.27 ug/L	98
61) p-ethyltoluene	7.64	105	13824826	67.57 ug/L	99
62) 1,3,5-trimethylbenzene	7.74	120	5490580	52.39 ug/L	99
63) 2-chlorotoluene	7.56	126	3099569	51.23 ug/L	97
64) 4-chlorotoluene	7.63	126	3259180	51.93 ug/L	90
65) tert-butylbenzene	7.94	134	2521656	51.89 ug/L	99
66) 1,2,4-trimethylbenzene	8.03	105	10833612	52.32 ug/L	98
67) sec-butylbenzene	8.11	105	14420594	50.80 ug/L	99
68) 4-isopropyltoluene	8.26	119	12122787	51.51 ug/L	99
69) 1,3-dichlorobenzene	8.15	146	5901534	51.22 ug/L	99
70) 1,4-dichlorobenzene	8.20	146	5986625	51.43 ug/L	99
71) 1,2,3-trimethylbenzene	8.36	105	11759382	55.33 ug/L	99
72) n-butylbenzene	8.57	92	6499362	51.02 ug/L #	83
73) p-diethylbenzene	8.56	119	7469067	63.20 ug/L	95
74) 1,2-dichlorobenzene	8.47	146	5708928	51.40 ug/L	100
75) 1,2,4,5-tetramethylbenzene	9.30	119	11288858	55.02 ug/L	97
76) 1,2-dibromo-3-chloropropan	8.83	157	444706	53.99 ug/L	92
77) 1,2,4-trichlorobenzene	9.89	180	3201463	49.56 ug/L	97
78) hexachlorobutadiene	10.14	225	1484179	56.68 ug/L	96
79) naphthalene	10.08	128	6591235	50.89 ug/L	99
80) 1,2,3-trichlorobenzene	10.24	180	2700955	45.96 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140921.D
Acq On : 14 Oct 2009 7:09 pm
Operator :
Sample : water stnd 50ug/L (kg101409)
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 07:56:09 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 08:55:10 2009
Response via : Initial Calibration



260-101409.M Thu Oct 29 09:05:32 2009

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140922.D
Acq On : 14 Oct 2009 7:32 pm
Operator :
Sample : water stnd 100ug/L (kg101409)
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 15 08:02:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 09:00:34 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) pentafluorobenzene	3.44	168	4586789	50.00	ug/L	0.00
24) 1,4-difluorobenzene	3.99	114	6941752	50.00	ug/L	0.00
42) chlorobenzene-d5	6.26	82	3507708m	50.00	ug/L	0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3873337	50.00	ug/L	0.00
System Monitoring Compounds						
27) 1,2-dichloroethane-d4	3.45	102	497014	46.79	ug/L	0.00
37) toluene-d8	5.22	98	8895734	50.72	ug/L	0.00
41) 4-bromofluorobenzene	7.19	174	2508107	51.74	ug/L	0.00
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.24	85	4210310	91.52	ug/L	99
3) chlorodifluoromethane	1.21	51	5692654m	96.91	ug/L	
4) chloromethane	1.31	50	4999333m	87.81	ug/L	
5) vinyl chloride	1.38	62	3508495m	81.56	ug/L	
6) bromomethane	1.53	96	2302993	91.79	ug/L	97
7) chloroethane	1.59	64	2520885	82.99	ug/L	100
8) trichlorofluoromethane	1.83	101	6224894	87.61	ug/L	99
9) freon	2.18	151	2972225	83.47	ug/L	99
10) acetone	1.88	58	1789289	416.63	ug/L	97
11) 1,1-dichloroethene	2.08	96	3637696	91.02	ug/L	93
12) methylene chloride	2.15	84	4529464	87.07	ug/L	98
13) carbon disulfide	2.27	76	11453881	89.16	ug/L	98
14) tert-butylmethylether	2.56	73	10354625	85.83	ug/L	99
15) trans-1,2-dichloroethene	2.50	96	4626723	90.68	ug/L	99
16) vinyl acetate	2.72	43	46487459	429.43	ug/L	100
17) 1,1-dichloroethane	2.64	63	8383633	92.62	ug/L	99
18) methyl ethyl ketone	2.89	72	2119204	389.62	ug/L	96
19) 2,2-dichloropropane	3.14	77	5313500	103.29	ug/L	99
20) cis-1,2-dichloroethene	2.97	96	5096076	90.54	ug/L	97
21) chloroform	3.09	83	7531600	90.18	ug/L	95
22) bromochloromethane	3.06	128	2420342	92.61	ug/L	90
23) 1,1,1-trichloroethane	3.55	97	6287096	96.58	ug/L	98
25) 1,1-dichloropropene	3.68	75	6480844	94.71	ug/L	100
26) carbon tetrachloride	3.79	119	5214700	105.47	ug/L	97
28) 1,2-dichloroethane	3.50	62	5690816	90.09	ug/L	99
29) benzene	3.82	78	19878794	93.52	ug/L	100
30) trichloroethene	4.25	95	4943361	93.84	ug/L	99
31) 1,2-dichloropropane	4.21	63	5320678	94.79	ug/L	98
32) bromodichloromethane	4.27	83	5956174	99.28	ug/L	97
33) dibromomethane	4.18	93	2771987	93.72	ug/L	98
34) 2-chloroethylvinylether	4.59	63	2780279	91.05	ug/L	97
35) 4-methyl-2-pentanone	4.82	43	20955572	426.73	ug/L	98
36) cis-1,3-dichloropropene	4.73	75	7462166	85.91	ug/L	100
38) toluene	5.27	91	22186519	94.38	ug/L	99
39) trans-1,3-dichloropropene	5.04	75	6571258	83.56	ug/L	100
40) 1,1,2-trichloroethane	5.14	83	3618502	92.11	ug/L	96
43) 2-hexanone	5.45	43	14061034	417.48	ug/L	97
44) 1,3-dichloropropane	5.31	76	8171326	91.61	ug/L	100
45) tetrachloroethene	5.80	166	5229815	95.08	ug/L	99
46) dibromochloromethane	5.49	129	4670053	103.06	ug/L	99
47) 1,2-dibromoethane	5.66	107	4607751	94.81	ug/L	96
48) chlorobenzene	6.29	112	14954290	93.49	ug/L	99
49) 1,1,1,2-tetrachloroethane	6.24	131	4759900	103.11	ug/L	99
50) ethylbenzene	6.45	91	25338273	94.30	ug/L	99
51) m+p xylene	6.60	106	20578139	189.51	ug/l	98
52) o-xylene	6.89	106	10087327	94.31	ug/L	94
53) styrene	6.84	104	15968615	97.04	ug/L	99
54) bromoform	6.65	173	2712240	111.30	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140922.D
Acq On : 14 Oct 2009 7:32 pm
Operator :
Sample : water stnd 100ug/L (kg101409)
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 15 08:02:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 09:00:34 2009
Response via : Initial Calibration

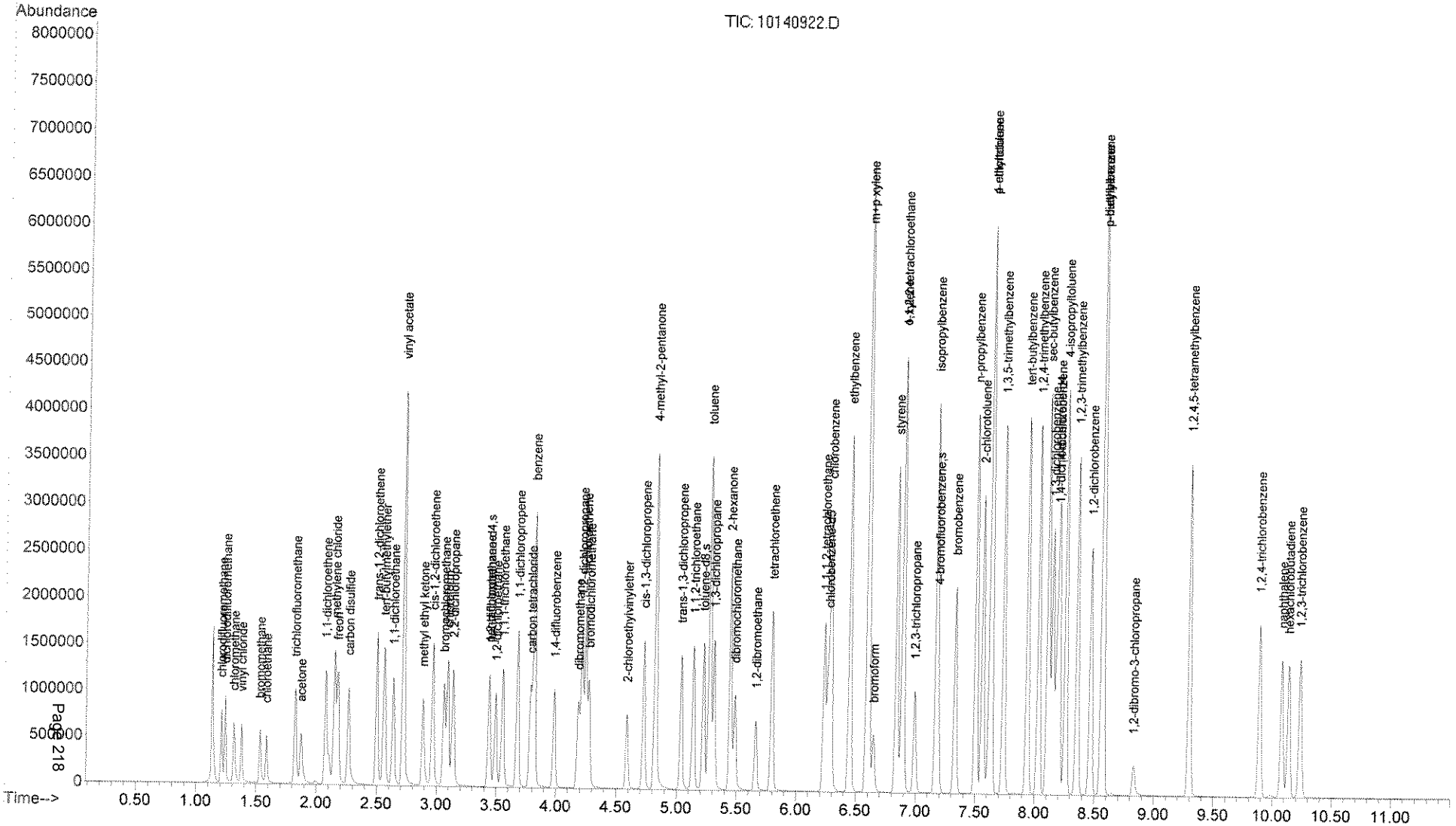
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) isopropylbenzene	7.17	105	24735464	92.25	ug/L		100
57) 1,1,2,2-tetrachloroethane	6.89	83	5407657	100.81	ug/L		96
58) 1,2,3-trichloropropane	6.99	75	4420658	88.29	ug/L		99
59) n-propylbenzene	7.51	91	31051922	91.73	ug/L		97
60) bromobenzene	7.33	156	6111041	92.16	ug/L		99
61) p-ethyltoluene	7.64	105	23774109	78.57	ug/L		99
62) 1,3,5-trimethylbenzene	7.74	120	11073280	92.34	ug/L		98
63) 2-chlorotoluene	7.56	126	6384025	92.62	ug/L		99
64) 4-chlorotoluene	7.63	126	6483636	90.13	ug/L		92
65) tert-butylbenzene	7.94	134	5080016	91.97	ug/L		98
66) 1,2,4-trimethylbenzene	8.03	105	21868155	92.40	ug/L		99
67) sec-butylbenzene	8.11	105	29350223	91.28	ug/L		99
68) 4-isopropyltoluene	8.26	119	24391275	91.56	ug/L		99
69) 1,3-dichlorobenzene	8.15	146	11836313	90.33	ug/L		99
70) 1,4-dichlorobenzene	8.20	146	11906563	89.87	ug/L		99
71) 1,2,3-trimethylbenzene	8.36	105	20520260	82.96	ug/L		99
72) n-butylbenzene	8.57	92	12919700	89.16	ug/L	#	87
73) p-diethylbenzene	8.56	119	12898257	78.63	ug/L		94
74) 1,2-dichlorobenzene	8.47	146	11447220	90.44	ug/L		100
75) 1,2,4,5-tetramethylbenzene	9.30	119	19682050	83.41	ug/L		97
76) 1,2-dibromo-3-chloropropan	8.83	157	929384	100.66	ug/L		89
77) 1,2,4-trichlorobenzene	9.89	180	6219053	86.91	ug/L		96
78) hexachlorobutadiene	10.14	225	2885161	113.78	ug/L		98
79) naphthalene	10.08	128	13010915	89.76	ug/L		99
80) 1,2,3-trichlorobenzene	10.24	180	5142213	83.79	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\101409\
Data File : 10140922.D
Acq On : 14 Oct 2009 7:32 pm
Operator :
Sample : water stnd 100ug/L (kg101409)
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 15 08:02:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101209.M
Quant Title :
QLast Update : Thu Oct 15 09:00:34 2009
Response via : Initial Calibration



260-101409.M Thu Oct 29 09:05:41 2009

Continuing Calibration

Summary Reports
Quant Reports and Chomatograms

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200903.D
Acq On : 20 Oct 2009 9:32 am
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc : cc passed
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 09:00:18 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial 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		pentafluorobenzene	1.000	1.000	0.0	91	0.00
2		dichlorodifluoromethane	0.479	0.446	6.9	83	0.00
3		chlorodifluoromethane	0.636	0.657	-3.3	92	0.00
4		chloromethane	0.596	0.656	-10.1	100	0.00
5		vinyl chloride	0.450	0.473	-5.1	94	0.00
6		bromomethane	0.254	0.284	-11.8	101	0.00
7		chloroethane	0.335	0.353	-5.4	101	0.00
8		trichlorofluoromethane	0.732	0.813	-11.1	101	0.00
9		freon	0.367	0.409	-11.4	102	0.00
10		acetone	0.044	0.049	-11.4	99	0.00
11		1,1-dichloroethene	0.419	0.465	-11.0	100	0.00
12		methylene chloride	0.547	0.632	-15.5	103	0.00
13		carbon disulfide	1.261	1.414	-12.1	100	0.00
14		tert-butylmethylether	1.213	1.408	-16.1	103	0.00
15		trans-1,2-dichloroethene	0.540	0.597	-10.6	99	0.00
16		vinyl acetate	1.078	1.289	-19.6	106	0.00
17		1,1-dichloroethane	0.957	1.080	-12.9	102	0.00
18		methyl ethyl ketone	0.053	0.061	-15.1	108	0.00
19		2,2-dichloropropane	0.530	0.615	-16.0	103	0.00
20		cis-1,2-dichloroethene	0.597	0.681	-14.1	102	0.00
21		chloroform	0.893	1.018	-14.0	104	0.00
22		bromochloromethane	0.274	0.318	-16.1	102	0.00
23		1,1,1-trichloroethane	0.680	0.741	-9.0	99	0.00
24		1,4-difluorobenzene	1.000	1.000	0.0	98	0.00
25		1,1-dichloropropene	0.483	0.494	-2.3	99	0.00
26		carbon tetrachloride	0.340	0.364	-7.1	103	0.00
27	s	1,2-dichloroethane-d4	0.076	0.075	1.3	99	0.00
28		1,2-dichloroethane	0.447	0.465	-4.0	101	0.00
29		benzene	1.489	1.579	-6.0	103	0.00
30		trichloroethene	0.372	0.389	-4.6	102	0.00
31		1,2-dichloropropane	0.390	0.420	-7.7	104	0.00
32		bromodichloromethane	0.411	0.451	-9.7	106	0.00
33		dibromomethane	0.204	0.221	-8.3	105	0.00
34		2-chloroethylvinylether	0.196	0.193	1.5	97	0.00
35		4-methyl-2-pentanone	0.325	0.344	-5.8	102	0.00
36		cis-1,3-dichloropropene	0.481	0.544	-13.1	108	0.00
37	s	toluene-d8	1.269	1.296	-2.1	100	0.00
38		toluene	1.645	1.712	-4.1	101	0.00
39		trans-1,3-dichloropropene	0.400	0.464	-16.0	111	0.00
40		1,1,2-trichloroethane	0.271	0.280	-3.3	99	0.00
41	s	4-bromofluorobenzene	0.352	0.417	-18.5	116	0.00
42		chlorobenzene-d5	1.000	1.000	0.0	107	0.00
43		2-hexanone	0.441	0.435	1.4	104	0.00
44		1,3-dichloropropane	1.229	1.213	1.3	103	0.00
45		tetrachloroethene	0.763	0.720	5.6	100	0.00
46		dibromochloromethane	0.599	0.599	0.0	102	0.00
47		1,2-dibromoethane	0.662	0.658	0.6	102	0.00
48		chlorobenzene	2.231	2.123	4.8	101	0.00
49		1,1,1,2-tetrachloroethane	0.618	0.623	-0.8	106	0.00
50		ethylbenzene	3.730	3.516	5.7	100	0.00
51		m+p xylene	1.503	1.437	4.4	101	0.00
52		o-xylene	1.481	1.428	3.6	101	0.00
53		styrene	2.268	2.124	6.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200903.D
Acq On : 20 Oct 2009 9:32 am
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc : cc passed
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 09:00:18 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial 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)
54	bromoform	0.318	0.329	-3.5	110	0.00
55	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
56	isopropylbenzene	3.351	3.139	6.3	97	0.00
57	1,1,2,2-tetrachloroethane	0.750	0.726	3.2	99	0.00
58	1,2,3-trichloropropane	0.624	0.587	5.9	98	0.00
59	n-propylbenzene	4.234	4.034	4.7	99	0.00
60	bromobenzene	0.827	0.790	4.5	100	0.00
61	p-ethyltoluene	3.507	3.404	2.9	104	0.00
62	1,3,5-trimethylbenzene	1.487	1.409	5.2	99	0.00
63	2-chlorotoluene	0.868	0.833	4.0	102	0.00
64	4-chlorotoluene	0.901	0.869	3.6	101	0.00
65	tert-butylbenzene	0.683	0.639	6.4	97	0.00
66	1,2,4-trimethylbenzene	2.954	2.847	3.6	100	0.00
67	sec-butylbenzene	4.038	3.807	5.7	97	0.00
68	4-isopropyltoluene	3.342	3.127	6.4	97	0.00
69	1,3-dichlorobenzene	1.644	1.574	4.3	100	0.00
70	1,4-dichlorobenzene	1.669	1.603	4.0	101	0.00
71	1,2,3-trimethylbenzene	2.993	2.939	1.8	105	0.00
72	n-butylbenzene	1.818	1.723	5.2	98	0.00
73	p-diethylbenzene	1.909	1.837	3.8	99	0.00
74	1,2-dichlorobenzene	1.582	1.556	1.6	102	0.00
75	1,2,4,5-tetramethylbenzene	2.796	2.753	1.5	102	0.00
76	1,2-dibromo-3-chloropropane	0.107	0.110	-2.8	104	0.00
77	1,2,4-trichlorobenzene	0.898	0.850	5.3	96	0.00
78	hexachlorobutadiene	0.429	0.385	10.3	94	0.00
79	naphthalene	1.762	1.717	2.6	97	0.00
80	1,2,3-trichlorobenzene	0.773	0.730	5.6	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200903.D
Acq On : 20 Oct 2009 9:32 am
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc : cc passed
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 09:00:18 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) pentafluorobenzene	3.44	168	3815884	50.00	ug/L		0.00
24) 1,4-difluorobenzene	3.99	114	6301382	50.00	ug/L		0.00
42) chlorobenzene-d5	6.27	82	3428926	50.00	ug/L		0.00
55) 1,4-dichlorobenzene-d4	8.18	152	3670818	50.00	ug/L		0.00
System Monitoring Compounds							
27) 1,2-dichloroethane-d4	3.45	102	474905	49.42	ug/L		0.00
37) toluene-d8	5.23	98	8168691	51.07	ug/L		0.00
41) 4-bromofluorobenzene	7.19	174	2630062	59.28	ug/L		0.00
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.24	85	680712	18.78	ug/L		99
3) chlorodifluoromethane	1.21	51	1003529	21.11	ug/L		98
4) chloromethane	1.32	50	1000799	22.68	ug/L		99
5) vinyl chloride	1.38	62	722330	22.55	ug/L		97
6) bromomethane	1.54	96	433440	21.98	ug/L		98
7) chloroethane	1.59	64	539566	23.29	ug/L		100
8) trichlorofluoromethane	1.83	101	1241100	22.73	ug/L		99
9) freon	2.18	151	623874	23.25	ug/L		96
10) acetone	1.88	58	372965m	115.78	ug/L		
11) 1,1-dichloroethene	2.08	96	710460	22.71	ug/L		97
12) methylene chloride	2.15	84	965151	24.08	ug/L		96
13) carbon disulfide	2.27	76	2158594	21.72	ug/L		99
14) tert-butylmethylether	2.56	73	2148430	23.41	ug/L		99
15) trans-1,2-dichloroethene	2.50	96	911107	22.79	ug/L		97
16) vinyl acetate	2.72	43	9838062	119.51	ug/L		99
17) 1,1-dichloroethane	2.64	63	1649072	22.99	ug/L	#	88
18) methyl ethyl ketone	2.89	72	467820	119.54	ug/L		92
19) 2,2-dichloropropane	3.14	77	937972	21.85	ug/L	#	56
20) cis-1,2-dichloroethene	2.97	96	1039076	23.58	ug/L		96
21) chloroform	3.10	83	1553650	23.81	ug/L		95
22) bromochloromethane	3.06	128	484979	23.48	ug/L	#	84
23) 1,1,1-trichloroethane	3.56	97	1131129	21.52	ug/L	#	97
25) 1,1-dichloropropene	3.68	75	1244281	20.80	ug/L		95
26) carbon tetrachloride	3.79	119	917442	20.19	ug/L		98
28) 1,2-dichloroethane	3.50	62	1172746	21.71	ug/L		99
29) benzene	3.82	78	3980551	21.57	ug/L		99
30) trichloroethene	4.25	95	979737	21.37	ug/L		97
31) 1,2-dichloropropane	4.22	63	1058347	21.63	ug/L		95
32) bromodichloromethane	4.28	83	1137248	21.25	ug/L		100
33) dibromomethane	4.19	93	556397	21.73	ug/L		98
34) 2-chloroethylvinylether	4.59	63	486267	18.79	ug/L		96
35) 4-methyl-2-pentanone	4.82	43	4331769	107.07	ug/L		98
36) cis-1,3-dichloropropene	4.73	75	1372173	22.26	ug/L		99
38) toluene	5.28	91	4314225	21.08	ug/L		100
39) trans-1,3-dichloropropene	5.04	75	1168440	22.81	ug/L		99
40) 1,1,2-trichloroethane	5.14	83	706191	20.95	ug/L		96
43) 2-hexanone	5.45	43	2983916	100.93	ug/L	#	95
44) 1,3-dichloropropane	5.31	76	1663934	20.26	ug/L		99
45) tetrachloroethene	5.80	166	987299	19.15	ug/L		96
46) dibromochloromethane	5.49	129	821864	18.65	ug/L		93
47) 1,2-dibromoethane	5.66	107	902191	19.88	ug/L		97
48) chlorobenzene	6.29	112	2911412	19.55	ug/L		99
49) 1,1,1,2-tetrachloroethane	6.24	131	854703	19.05	ug/L	#	92
50) ethylbenzene	6.45	91	4822682	19.18	ug/L		100
51) m+p xylene	6.60	106	3940699	38.66	ug/l		99
52) o-xylene	6.89	106	1958292	19.54	ug/L		98
53) styrene	6.84	104	2913634	18.72	ug/L		98
54) bromoform	6.65	173	451055	18.35	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200903.D
Acq On : 20 Oct 2009 9:32 am
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc : cc passed
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 09:00:18 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration

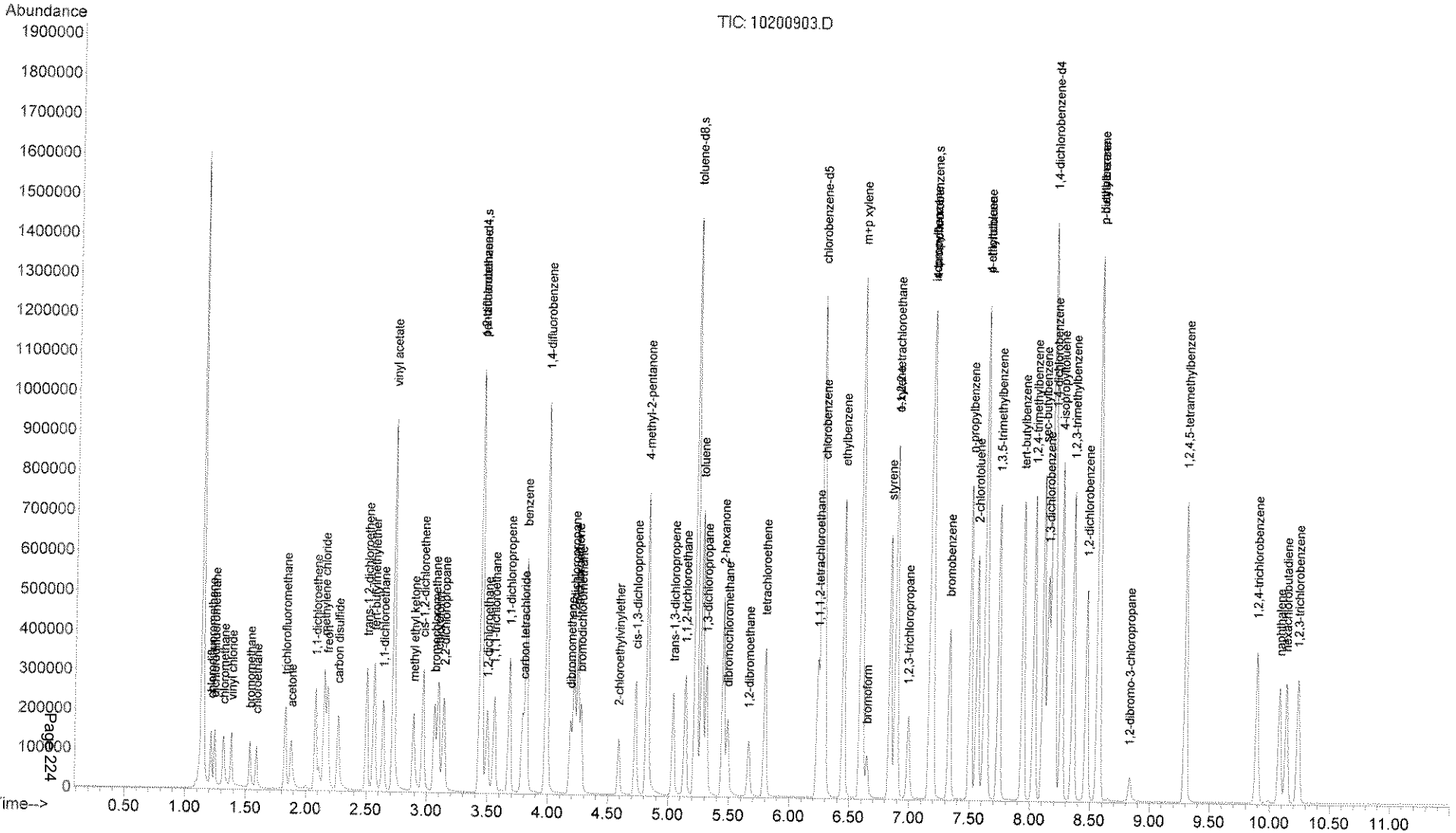
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
56) isopropylbenzene	7.17	105	4608721	19.14 ug/L	98
57) 1,1,2,2-tetrachloroethane	6.88	83	1066359	19.02 ug/L	97
58) 1,2,3-trichloropropane	6.99	75	862414	19.67 ug/L	96
59) n-propylbenzene	7.51	91	5923546	19.51 ug/L	97
60) bromobenzene	7.33	156	1159414	19.46 ug/L	97
61) p-ethyltoluene	7.64	105	4997751	18.41 ug/L	100
62) 1,3,5-trimethylbenzene	7.74	120	2069025	19.21 ug/L	100
63) 2-chlorotoluene	7.56	126	1223668	19.73 ug/L	99
64) 4-chlorotoluene	7.63	126	1275846	19.94 ug/L	93
65) tert-butylbenzene	7.94	134	937957	18.94 ug/L	95
66) 1,2,4-trimethylbenzene	8.03	105	4180061	19.60 ug/L	98
67) sec-butylbenzene	8.11	105	5590092	19.42 ug/L	99
68) 4-isopropyltoluene	8.26	119	4591890	19.19 ug/L	100
69) 1,3-dichlorobenzene	8.15	146	2311683	19.84 ug/L	98
70) 1,4-dichlorobenzene	8.20	146	2353208	19.98 ug/L	98
71) 1,2,3-trimethylbenzene	8.36	105	4315510	20.37 ug/L	100
72) n-butylbenzene	8.57	92	2530454	19.71 ug/L	91
73) p-diethylbenzene	8.56	119	2696834	18.12 ug/L	94
74) 1,2-dichlorobenzene	8.47	146	2284978	20.29 ug/L	97
75) 1,2,4,5-tetramethylbenzene	9.30	119	4041718	19.98 ug/L	98
76) 1,2-dibromo-3-chloropropan	8.83	157	161403	18.91 ug/L #	83
77) 1,2,4-trichlorobenzene	9.89	180	1248696	19.87 ug/L	99
78) hexachlorobutadiene	10.14	225	565703	17.46 ug/L	98
79) naphthalene	10.08	128	2521307	19.70 ug/L	99
80) 1,2,3-trichlorobenzene	10.24	180	1072091	20.28 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200903.D
Acq On : 20 Oct 2009 9:32 am
Operator :
Sample : water stnd 20ug/L (kg101409)
Misc : cc passed
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 09:00:18 2009
Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :
QLast Update : Thu Oct 15 09:26:48 2009
Response via : Initial Calibration



Tentatively Identified Compounds

Summary Report

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
294399.00

Lab Name: ECOTEST LABS Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) Water Lab Sample ID: 294399.00

Sample wt/vol: 5.0 (g/mL) ml Lab File ID: 10200908.D

Level: (low/med) Date Received: 10/19/09

% Solid: Date Analyzed: 10/20/09

GC Column: DB-VRX ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 1 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 541-05-9	Cyclotrisiloxane, hexamethyl-	5.70	3.2	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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11.				
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23.				
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25.				
26.				
27.				
28.				
29.				
30.				

Library Search Compound Report

Data Path : C:\MSDChem\1\DATA\102009\
Data File : 10200908.D
Acq On : 20 Oct 2009 11:28 am
Operator :
Sample : 294399.00 5ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\8260-101409.M
Quant Title :

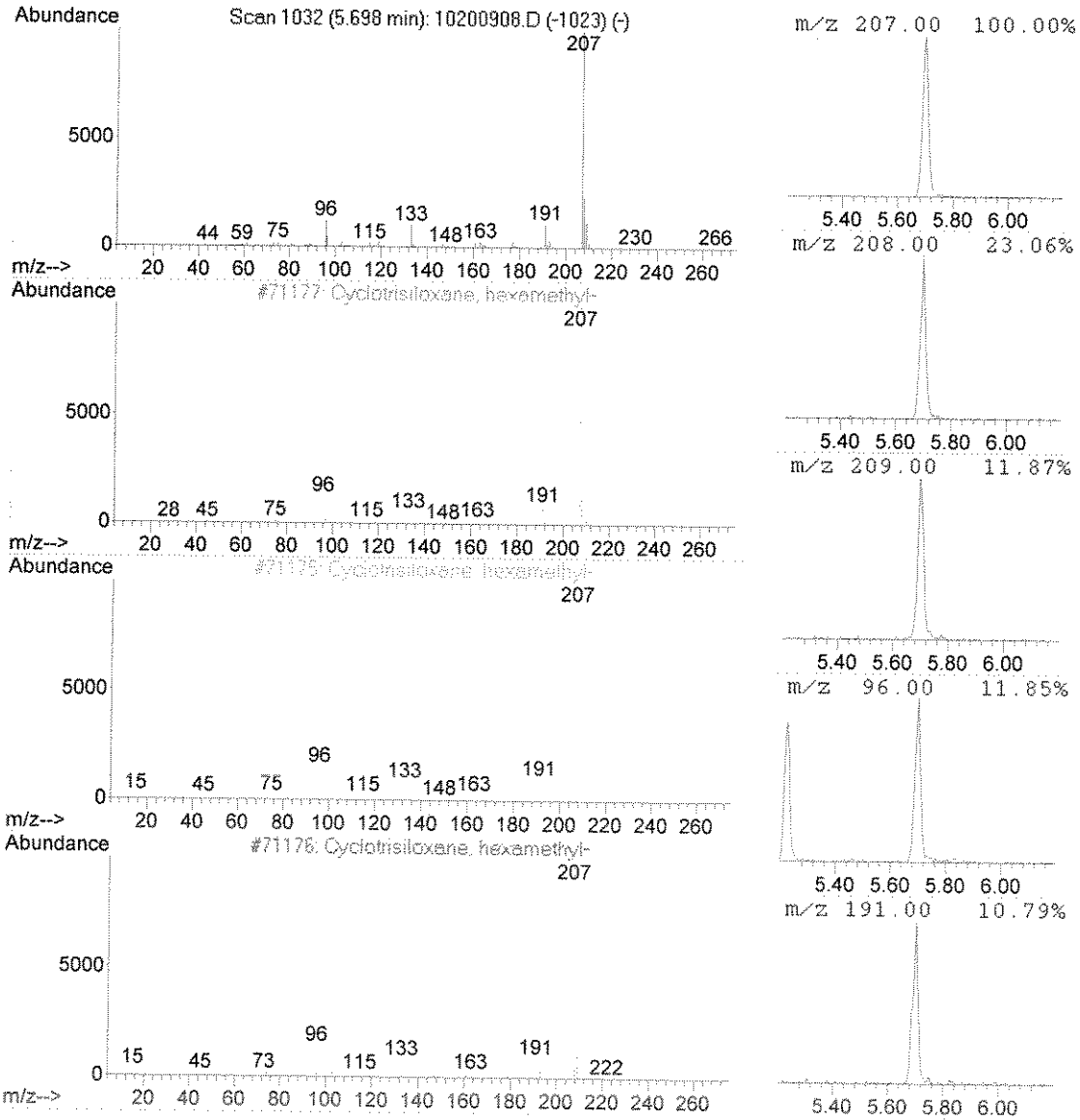
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.e

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	3.19 ug/L	1030750	chlorobenzene-d5	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	90
2	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	86
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	80
4	Silane, 1,4-phenylenebis[trimethyl-	222	C12H22Si2	013183-70-5	64
5	1,3-Bis(trimethylsilyl)benzene	222	C12H22Si2	002060-89-1	56



PESTICIDES - QC DELIVERABLES

Conformance/Nonconformance Summary for Pesticides

samples : 294399.00

QC criteria were met for the following unless stated otherwise:

Method blank

Surrogate recoveries

Matrix spike and matrix spike duplicate RPD

Matrix spike and matrix spike duplicate % recoveries

Holding time

Initial instrument calibration and continuing calibration
*Beta BHC, Endrin, Endosulfan II, and Methoxychlor exceeded 15% RPD of initial calibration for the Chem Service 1.0 ug/L Calibration Verification Standard
**Dieldrin and Endrin exceeded 15% RPD of initial calibration for the Restek 1.6 ug/L performance check standard.

LAB CHRONICLE

lab number	sample	date collected	date received	date of extraction	holding time (days) before extraction	date of analysis	holding time (days) before analysis
294399.00	Water, Storm Water 1	10/19/09	10/19/09	10/26/09	7	10/28/09	2

All samples were received in good condition.

ANALYTICAL RESULTS SUMMARY

instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m x 0.25 mm x 0.25um df
confirmation column: Rtx-CLPesticidesII, 30 m x 0.25 mm x 0.2um df

lab number	sample wt./vol.	final vol.	dilution factor
294399.00	1000ml	10ml	1

Extraction Log 1A

Date	Sample ID	Matrix	Sample wt/vol	Final vol	Vol Δ = DILUT.	Method	Init. pH	Final pH	Comments
10.23.09	PCB BLK	W	1000ml	1ml	BLK x 0.1	PCB	~7	~7	
	SPK				SPK x 0.1				0.4 1260 9-13-09 exp. 3-18-10
	SPK				SPK x 0.1				
	LCS		1000ml		LCS x 0.1				
	294444		2000ml		4444 x 0.05				67.
	294469.01	W	2000ml	1ml	4469.01 x 0.05	PCB	~7	~7	
10.26.09	PEST BLK		1000ml	10ml	BLK x 1	PEST			
	SPK				SPK x 1				1.0 exp 10-30-10 exp. 4-2
	SPK				SPK x 1				
	LCS				LCS x 1				
	294399				4399 x 1				
	294423.01				4423.01 x 1				
	.03	W	1000ml	10ml	.03 x 1	PEST	~7	~7	
10.26.09	508 BLK			1ml	BLK x 2	508	~7		
	SPK				SPK x 2				Int. # 2
	SPK				SPK x 2				
	LCS		1000ml		LCS x 2				
	294429.01		2000ml		4429.01 x 1				
	.02				.02 x 1				
	294440.01				4440.01 x 1				
	.02				.02 x 1				
	.03	W	2000ml	1ml	.03 x 1	508	~7	~7	

Extraction Log 1B

Comments	ASC/Solvent #	Reagents Added	Analyst	Sample ID
	NA	5 ul PCB	JS	PCB BLK
04/2004 9-13-09 exp. 3-18-10				SPK
				SPK
				LCS
				294444
EA.	NA	5 ul PCB	JS	294469 01
		50 ul PEST	RS/JS	PEST BLK
				SPK
1.0 exp 10-30-09 exp 4-26-10				SPK
				LCS
				294399
				294423.01
	NA	50 ul PEST	RS/JS	.03
		50 ul 508		508 BLK
				SPK
Int. # 2				SPK
				LCS
				294429.01
				.02
				294440.01
				.02
	NA	50 ul 508	RS/JS	03

PESTICIDES ANALYTICAL SEQUENCE

Surrogate RT from initial cal. Dibutyl chlorendate : 24.31			
Lab No	Date analyzed	Time analyzed	DBC # RT
Endrin & ppDDT	10/27/09	1438	
Pesticides Mix 0.05 ppb	10/27/09	1521	
Pesticides Mix 0.4 ppb	10/27/09	1605	
Pesticides Mix 0.8 ppb	10/27/09	1648	
Pesticides Mix 1.2 ppb	10/27/09	1732	
Pesticides Mix 1.6 ppb	10/27/09	1815	
Pesticides Mix 2.0 ppb	10/27/09	1858	
surrogate standard	10/27/09	1942	24.31
Chlordane 0.2 ppb	10/27/09	2025	
Toxaphene 1.0 ppb	10/27/09	2109	
Method Blank x1	10/27/09	2152	24.31
Pest Spike NC x1	10/27/09	2235	24.31
Pest Spike dup NC x1	10/27/09	2319	24.31
Pest LCS NC x1	10/28/09	0002	24.31
Method Blank x10	10/28/09	0045	24.31
Pest Spike NC x10	10/28/09	0129	24.31
Pest Spike dup NC x10	10/28/09	0212	24.31
Pest LCS NC x10	10/28/09	0255	24.31
Pesticides Reference	10/28/09	0338	
Aroclor 1016/1260 1.0ppb	10/28/09	0421	
Aroclor 1221 1.0ppb	10/28/09	0505	
294399.00 NC x1	10/28/09	0549	24.31
294423.01 NC x1	10/28/09	0632	24.29
294423.03 NC x1	10/28/09	0715	24.29
294491.00 NC x10	10/28/09	0758	24.29
Aroclor 1242 1.0ppb	10/28/09	0842	
Pesticides Mix 1.6 ppb	10/28/09	1017	
Endrin & ppDDT	10/28/09	1100	

Pesticide
Target Compounds

aldrin
alpha BHC
beta BHC
delta BHC
lindane
pp DDD
pp DDE
pp DDT
dieldrin
endosulfan 1
endosulfan 2
endosulfan sulfate
endrin
endrin aldehyde
heptachlor
heptachlor epoxide
chlordane
toxaphene
endrin ketone

PESTICIDES RETENTION TIME WINDOWS

instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m, 0.25 mm

compound	retention time	retention time window from	to
alpha BHC	11.16	11.15	11.18
lindane	12.39	12.39	12.39
heptachlor	14.07	14.07	14.07
aldrin	15.08	15.08	15.08
beta BHC	12.80	12.79	12.82
delta BHC	13.40	13.39	13.42
heptachlor epoxide	17.20	17.20	17.20
endosulfan 1	18.44	18.44	18.44
pp DDE	18.54	18.50	18.57
dieldrin	19.24	19.22	19.25
endrin	19.93	19.93	19.93
pp DDD	20.44	20.43	20.46
endosulfan 2	20.67	20.67	20.67
pp DDT	21.31	21.31	21.31
endrin aldehyde	22.03	22.03	22.03
endosulfan sulfate	23.37	23.37	23.37
methoxychlor	22.99	22.98	23.01

PESTICIDES RETENTION TIME WINDOWS

instrument: SVGC 2, H.P. 5890
confirmation column: Rtx-CLPesticidesII, 30 m, 0.25 mm

compound	retention time	retention time window from	to
alpha BHC	13.36	13.36	13.36
lindane	14.75	14.75	14.75
heptachlor	16.32	16.32	16.32
aldrin	17.41	17.41	17.41
beta BHC	15.16	15.16	15.16
delta BHC	16.20	16.20	16.20
heptachlor epoxide	19.44	19.44	19.44
endosulfan 1	20.69	20.69	20.69
pp DDE	21.27	21.27	21.27
dieldrin	21.59	21.59	21.59
endrin	22.55	22.55	22.55
pp DDD	23.12	23.12	23.12
endosulfan 2	23.25	23.23	23.26
pp DDT	24.09	24.09	24.09
endrin aldehyde	24.35	24.35	24.35
endosulfan sulfate	25.23	25.23	25.23
methoxychlor	26.34	26.30	26.37

Pesticides
instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m, 0.25 mm.

compound	MDL ug/L	PQL ug/L
lindane	0.006	0.05
heptachlor	0.006	0.05
aldrin	0.005	0.05
heptachlor epoxide	0.003	0.05
pp DDE	0.003	0.05
dieldrin	0.003	0.05
endrin	0.002	0.05
pp DDD	0.007	0.05
pp DDT	0.005	0.1
endrin aldehyde	0.009	0.3
alpha BHC	0.002	0.05
beta BHC	0.004	0.05
delta BHC	0.004	0.05
endosulfan 1	0.004	0.1
endosulfan 2	0.006	0.1
endosulfan sulfate	0.002	0.3
methoxychlor	0.004	0.1

Pesticides
instrument: SVGC 2, H.P. 5890
confirmation column: Rtx-CLPesticidesII, 30 m, 0.25 mm.

compound	MDL ug/L	PQL ug/L
lindane	0.002	0.05
heptachlor	0.021	0.05
aldrin	0.005	0.05
heptachlor epoxide	0.003	0.05
pp DDE	0.003	0.05
dieldrin	0.005	0.05
endrin	0.009	0.05
pp DDD	0.003	0.05
pp DDT	0.004	0.1
endrin aldehyde	0.008	0.3
alpha BHC	0.004	0.05
beta BHC	0.003	0.05
delta BHC	0.004	0.05
endosulfan 1	0.003	0.1
endosulfan 2	0.004	0.1
endosulfan sulfate	0.008	0.3
methoxychlor	0.007	0.1

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. 294399.00

Lab Name: Ecotest Labs Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) water Lab Sample ID: _____

Sample wt/vol: 1000.0 (g/mL) ml Lab File ID: _____

% Moisture: 100 decanted: (Y/N) N Date Received: 10/19/09

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/26/09

Concentrated Extract Volume: 10 (mL) Date Analyzed: 10/28/09

Injection Volume: 4 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.05	U
72-55-9	4,4'-DDE	0.05	U
72-2-8	Endrin	0.05	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.05	U
1031-07-8	Endosulfan sulfate	0.30	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.10	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.30	U
57-74-9	Chlordane	0.20	U
8001-35-2	Toxaphene	1.00	U

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270922.D\data.ms Vial: 22
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270922.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 05:49 AM Operator: GW
Sample : 4399.00 NC x1 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:33 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
System Monitoring Compounds						
1) S1 tetrachloro-m-xy	8.92	10.77	461129	454102	97.730	98.511
17) S2 dibutyl chlorend	24.31	26.68	465782	347583	106.472	97.990
Target Compounds						
2) alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3) lindane	0.00	0.00	0	0	N.D.	N.D.
4) heptachlor	0.00	0.00	0	0	N.D.	N.D.
5) aldrin	15.16f	0.00	65322	0	0.203	N.D. #
6) beta BHC	0.00	0.00	0	0	N.D.	N.D.
7) delta BHC	0.00	0.00	0	0	N.D.	N.D.
8) heptachlor epoxi	0.00	0.00	0	0	N.D.	N.D.
9) endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10) pp DDE	0.00	0.00	0	0	N.D.	N.D.
11) dieldrin	0.00	0.00	0	0	N.D.	N.D.
12) endrin	0.00	0.00	0	0	N.D.	N.D.
13) pp DDD	0.00	0.00	0	0	N.D.	N.D.
14) endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15) pp DDT	0.00	24.16f	0	26334	N.D.	0.118 #
16) endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
18) endosulfan sulfa	0.00	0.00	0	0	N.D.	N.D.
19) methoxychlor	0.00	26.27f	0	43340	N.D.	0.344 #
20) endrin ketone	0.00	0.00	0	0	N.D.	N.D.
21) alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22) gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

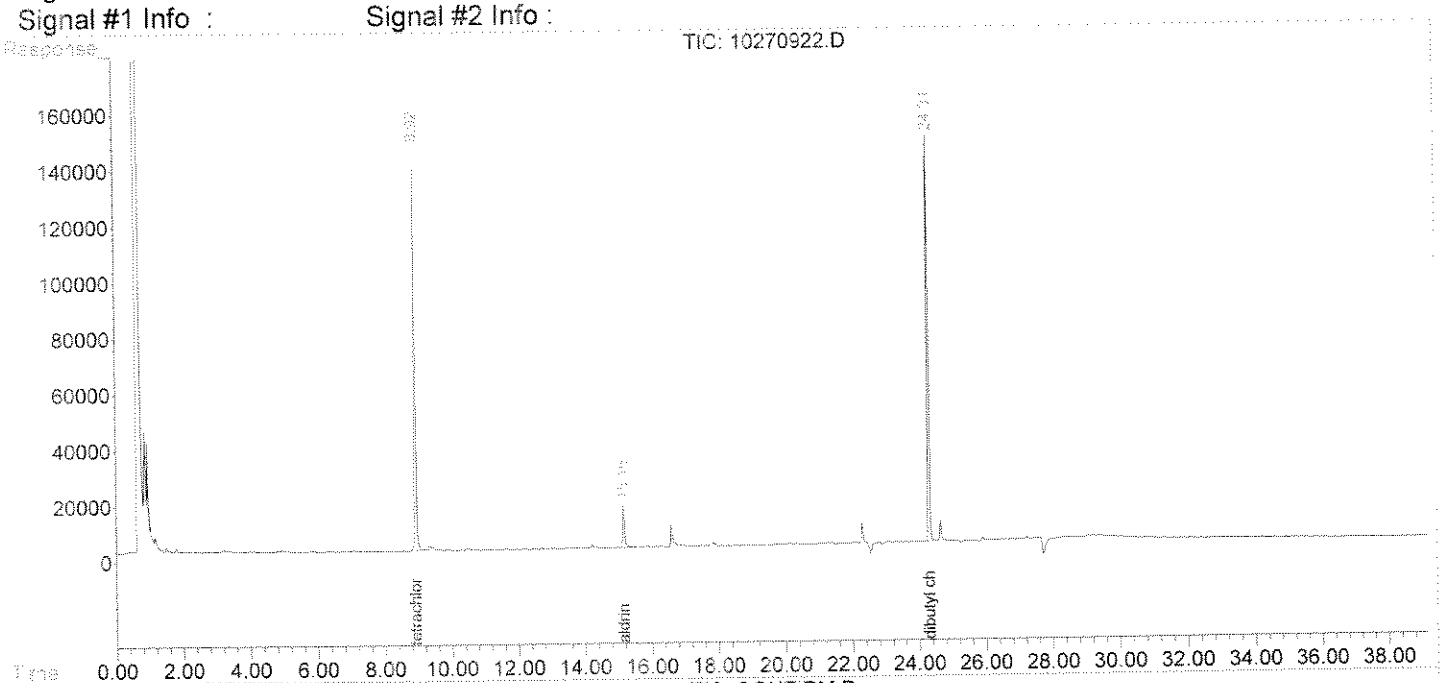
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

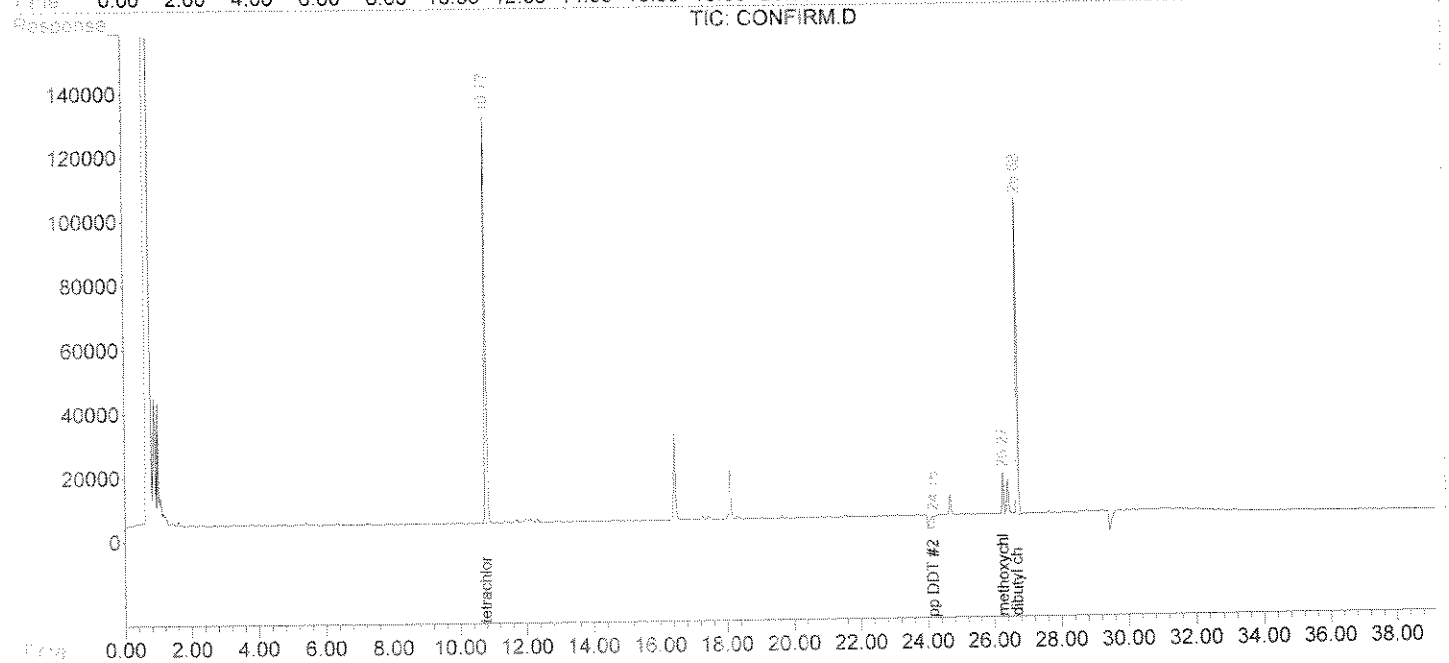
Quantitation Report

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270922.D\data.ms Vial: 22
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270922.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 05:49 AM Operator: GW
Sample : 4399.00 NC x1 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:33 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: Ecotest Labs Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

GC Column (1): RTX-CLPesticides ID: 0.25 (mm) GC Column (2): RTX-CLPesticidesII ID: 0.2 (mm)

	SAMPLE NO.	TCX 1	TCX 2	DBC 1	DBC 2			TOT OUT
01	Method Blank	102	102	117	110			
02	Tap Water LCS	112	115	129	127			
03	Tap Water Spike	111	114	127	123			
04	Tap Water Spike Dup	109	113	125	125			
05	294399.00	97	99	106	98			
06								
07								
08								
09								
10								
11								
12								
13								
14								
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26								
27								
28								
29								
30								

TCX = tetrachloro-m-xylene
DCB = dibutyl chlorendate

ADVISORY QC LIMITS

Column 1: TCX N/A
DCB 34 - 145

Column 2: TCX N/A
DCB 22 - 147

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Ecotest Labs Inc Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No.: N/A

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
A BHC	1.0	U	0.91	91	(56-118)
LINDANE	1.0	U	0.93	93	(57-120)
B BHC	1.0	U	1.01	101	(66-122)
ALDRIN	1.0	U	0.81	81	(41-108)
HEPTACHLOR EPOXIDE	1.0	U	0.94	94	(72-135)
ENDOSULFAN 1	1.0	U	0.95	95	(65-123)
ppDDE	1.0	U	0.90	90	(64-119)
DIELDRIN	1.0	U	0.98	98	(65-128)
ENDRIN	1.0	U	0.98	98	(58-126)
ppDDD	1.0	U	0.95	95	(62-130)
ENDOSULFAN 2	1.0	U	1.01	101	(70-124)
ppDDT	1.0	U	0.92	92	(55-126)
ENDRIN ALDEHYDE	1.0	U	0.96	96	(58-132)
ENDOSULFAN SULFATE	1.0	U	0.96	96	(64-128)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
A BHC	1.0	0.96	96	5	15	(56-118)
LINDANE	1.0	0.98	98	5	15	(57-120)
B BHC	1.0	1.07	107	6	16	(66-122)
ALDRIN	1.0	0.90	90	9	24	(41-108)
HEPTACHLOR EPOXIDE	1.0	0.99	99	5	16	(72-135)
ENDOSULFAN 1	1.0	1.01	101	5	20	(65-123)
ppDDE	1.0	0.97	97	7	18	(64-119)
DIELDRIN	1.0	1.05	105	7	20	(65-128)
ENDRIN	1.0	1.04	104	6	17	(58-126)
ppDDD	1.0	1.01	101	6	17	(62-130)
ENDOSULFAN 2	1.0	1.07	107	6	18	(70-124)
ppDDT	1.0	1.00	100	8	16	(55-126)
ENDRIN ALDEHYDE	1.0	1.04	104	8	33	(58-132)
ENDOSULFAN SULFATE	1.0	1.02	102	6	18	(64-128)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 14 outside limits

Spike Recovery: 0 out of 28 outside limits

Comments: _____

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270912.D\data.ms Vial: 12
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270912.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 10:35 PM Operator: GW
Sample : pest spk NC x1 Inst : SVGC2
Misc : 1.0 rmp MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:24 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

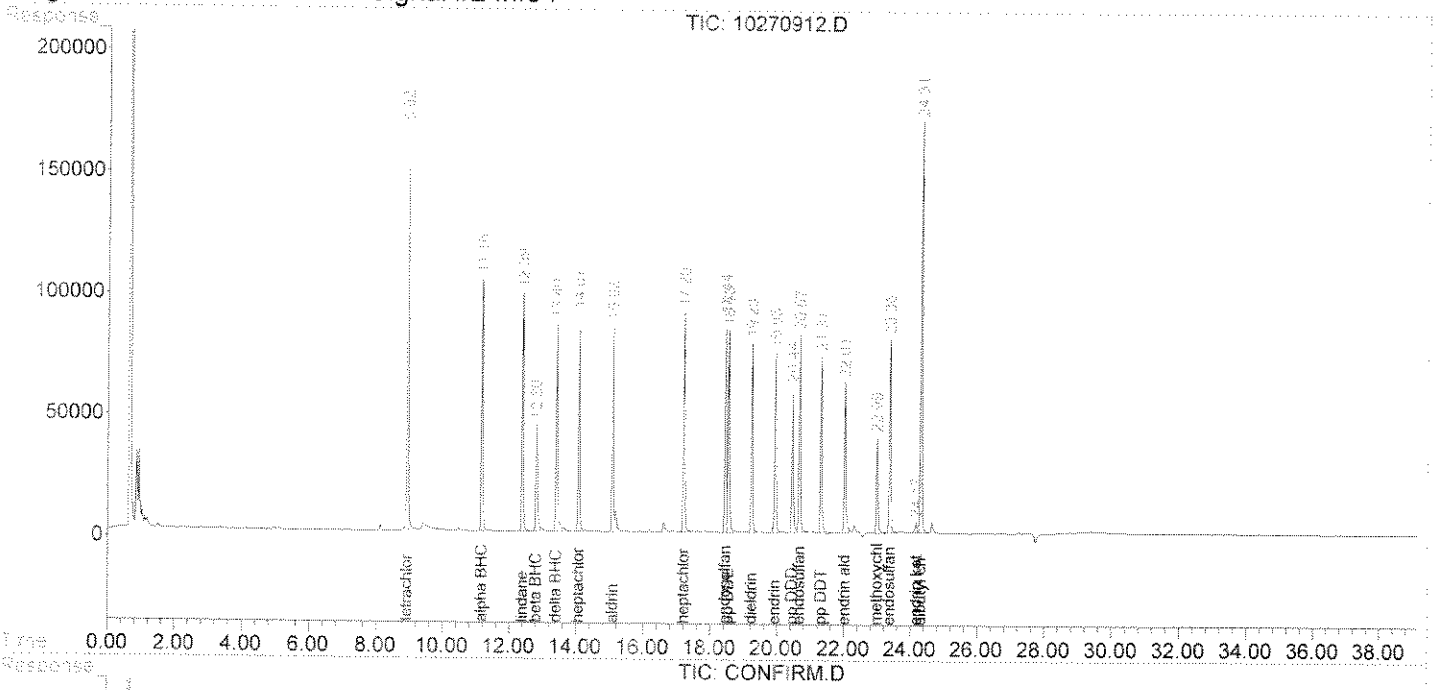
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
System Monitoring Compounds						
1) S1 tetrachloro-m-xy	8.92	10.77	525319	528392	111.335	114.627
17) S2 dibutyl chlorend	24.31	26.68	553568	437726	126.539	123.403
Target Compounds						
2) alpha BHC	11.16	13.37	320342	282726	0.909	0.900
3) lindane	12.39	14.75	311429	278351	0.931	0.924
4) heptachlor	14.07	16.32	273250	247622	0.867m	0.876
5) aldrin	15.08	17.41	259831	210708	0.806	0.788
6) beta BHC	12.80	15.16	155640	148426	1.014m	1.015
7) delta BHC	13.40	16.20	294342	255562	0.921	0.905
8) heptachlor epoxi	17.20	19.44	277381	246524	0.941	0.957
9) endosulfan 1	18.44	20.69	262767	233654	0.954	0.961
10) pp DDE	18.53	21.27	265408	223290	0.904m	0.900
11) dieldrin	19.23	21.59	239582	214390	0.982	0.978
12) endrin	19.93	22.55	234759	216269	0.980m	0.965
13) pp DDD	20.44	23.12	202155	191595	0.946	0.946
14) endosulfan 2	20.67	23.24	278690	236325	1.014	1.032
15) pp DDT	21.31	24.09	231763	206114	0.922m	0.922m
16) endrin aldehyde	22.01	24.35	214538	209358	0.961m	1.060
18) endosulfan sulfa	23.36	25.23	264373	215789	0.959	0.959
19) methoxychlor	22.99	26.33	131278	133672	1.036	1.061m
20) endrin ketone	24.17	26.83	15827	13862	0.054	0.032 #
21) alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22) gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

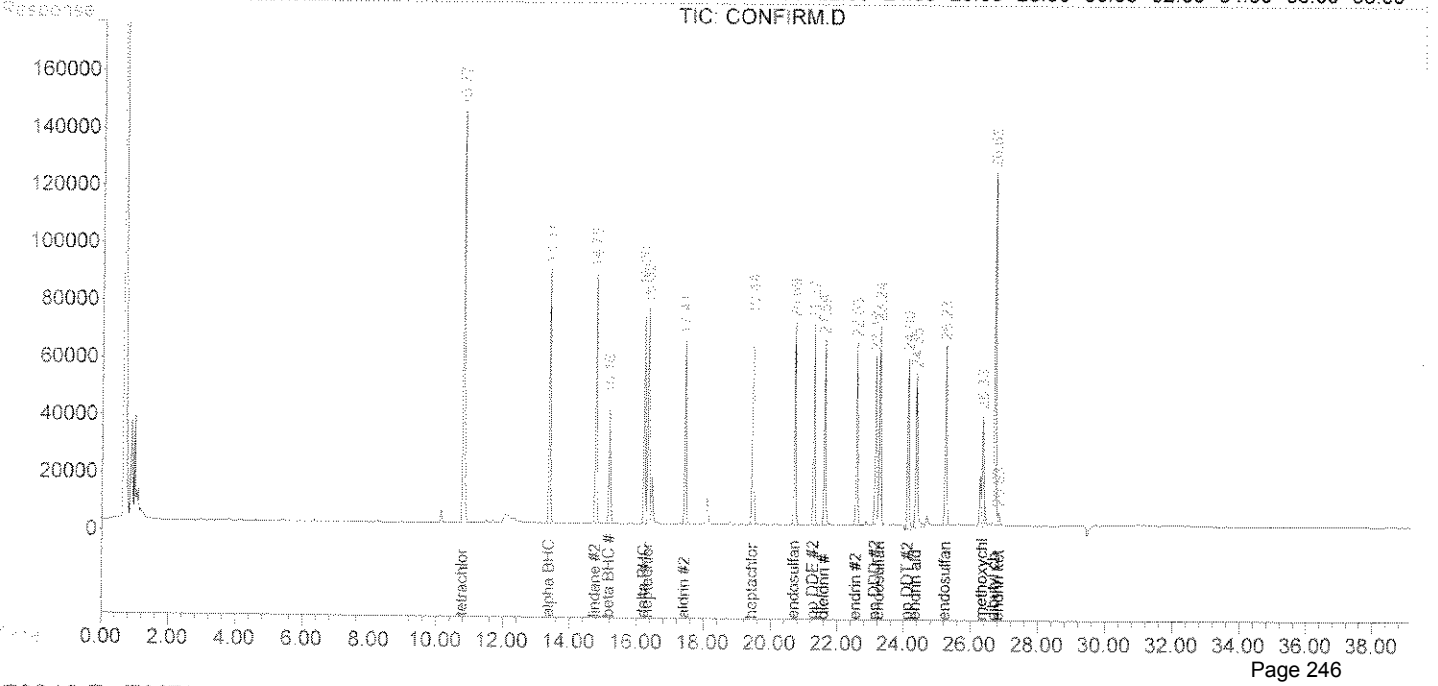
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270912.D\data.ms Vial: 12
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270912.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 10:35 PM Operator: GW
Sample : pest spk NC x1 Inst : SVGC2
Misc : 1.0 rmp MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:24 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270913.D\data.ms Vial: 13
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270913.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 11:19 PM Operator: GW
Sample : pest spk dp NC x1 Inst : SVGC2
Misc : 1.0 rmp MultiplR: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:25 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

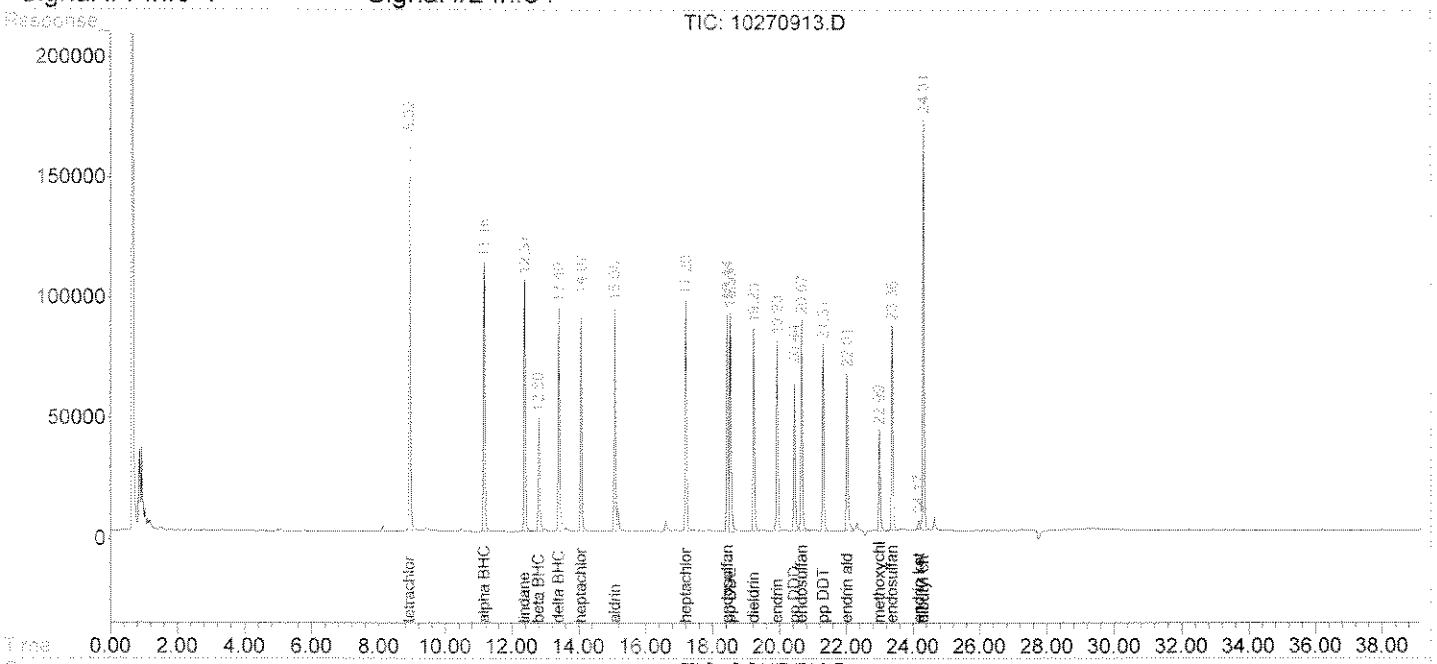
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	8.92	10.77	515134	520595	109.176	112.935
17)	S2 dibutyl chlorend	24.31	26.69	548464	442438	125.372	124.731
	Target Compounds						
2)	alpha BHC	11.16	13.37	336846	300331	0.956	0.956
3)	lindane	12.37	14.75	328282	296400	0.982	0.984
4)	heptachlor	14.07	16.32	294710	259418	0.935	0.918
5)	aldrin	15.08	17.41	289266	238222	0.898	0.890
6)	beta BHC	12.80	15.16	164530	157963	1.072m	1.080
7)	delta BHC	13.40	16.20	313754	276516	0.982	0.980
8)	heptachlor epoxi	17.20	19.43	292902	263961	0.993	1.025
9)	endosulfan 1	18.44	20.69	278457	251012	1.011	1.033
10)	pp DDE	18.53	21.27	283238	244759	0.965m	0.986
11)	dieldrin	19.23	21.59	255448	231575	1.047	1.057
12)	endrin	19.93	22.55	249360	234641	1.041m	1.046
13)	pp DDD	20.44	23.12	216266	208842	1.012	1.031
14)	endosulfan 2	20.67	23.24	293649	255448	1.069	1.115
15)	pp DDT	21.31	24.09	250114	229243	0.995	1.025
16)	endrin aldehyde	22.01	24.35	232082	206618	1.040	1.046m
18)	endosulfan sulfa	23.36	25.23	281486	235204	1.021	1.045
19)	methoxychlor	22.99	26.33	140447	137334	1.108	1.090m
20)	endrin ketone	24.17	26.83	14494	13920	0.049	0.032 #
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

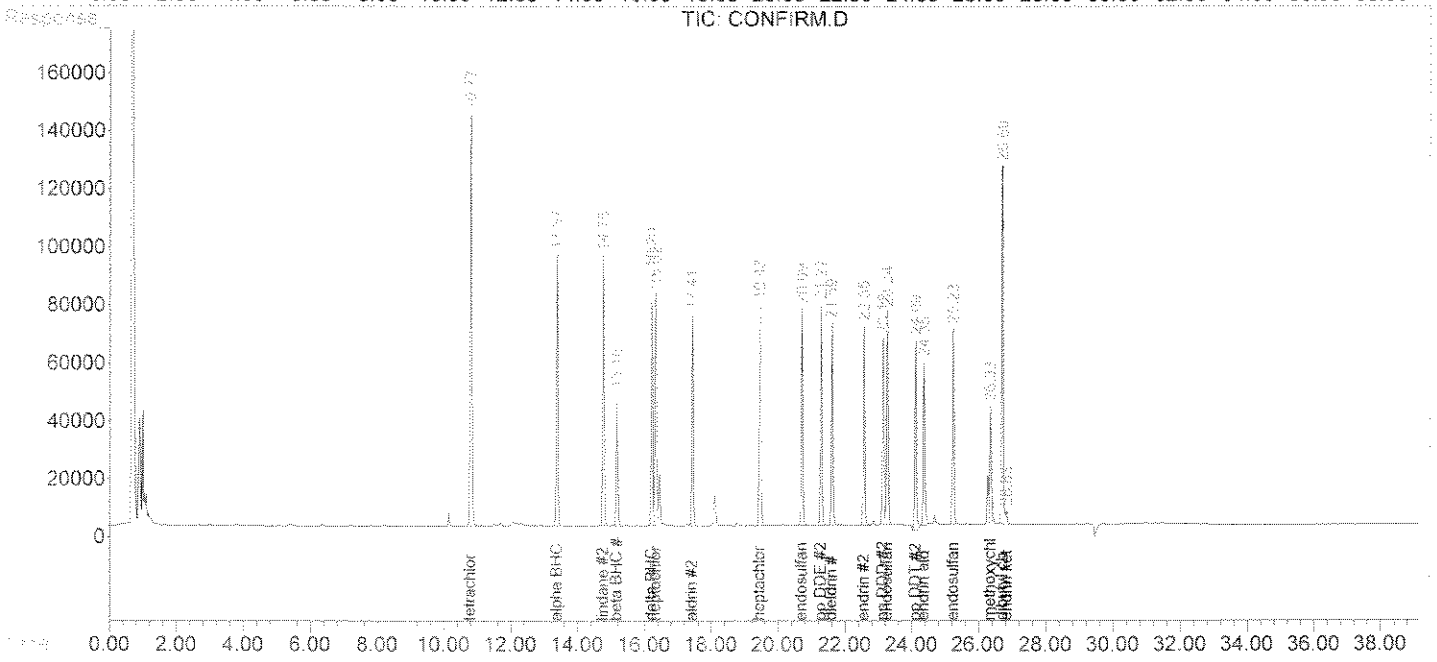
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270913.D\data.ms Vial: 13
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270913.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 11:19 PM Operator: GW
Sample : pest spk dp NC x1 Inst : SVGC2
Misc : 1.0 rmp MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:25 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





LCS Summary

method: 608
instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m x 0.25 mm x 0.25um df
confirmation column: Rtx-CLPesticidesII, 30 m x 0.25 mm x 0.2um df

compound	unspiked conc. (ug/L)	spike conc. (ug/L)	water LCS conc. (ug/L)	LCS % rec.	% rec. limits
lindane	<0.05	1	0.98	98%	62-121
heptachlor	<0.05	1	0.92	92%	54-128
aldrin	<0.05	1	0.88	88%	43-113
heptachlor epoxide	<0.05	1	1.00	100%	71-134
pp DDE	<0.05	1	0.97	97%	64-119
dieldrin	<0.05	1	1.06	106%	72-124
endrin	<0.05	1	1.06	106%	57-125
pp DDD	<0.05	1	1.03	103%	68-128
pp DDT	<0.1	1	1.02	102%	60-128
endrin aldehyde	<0.3	1	1.07	107%	73-125
alpha BHC	<0.05	1	0.97	97%	59-121
beta BHC	<0.05	1	1.10	110%	70-122
delta BHC	<0.05	1	0.83	83%	65-120
endosulfan 1	<0.1	1	1.02	102%	68-124
endosulfan 2	<0.1	1	1.08	108%	65-133
endosulfan sulfate	<0.3	1	1.04	104%	65-125
methoxychlor	<0.1	1	1.11	111%	73-138

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270914.D\data.ms Vial: 14
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270914.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 00:02 AM Operator: GW
Sample : pest LCS NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:27 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

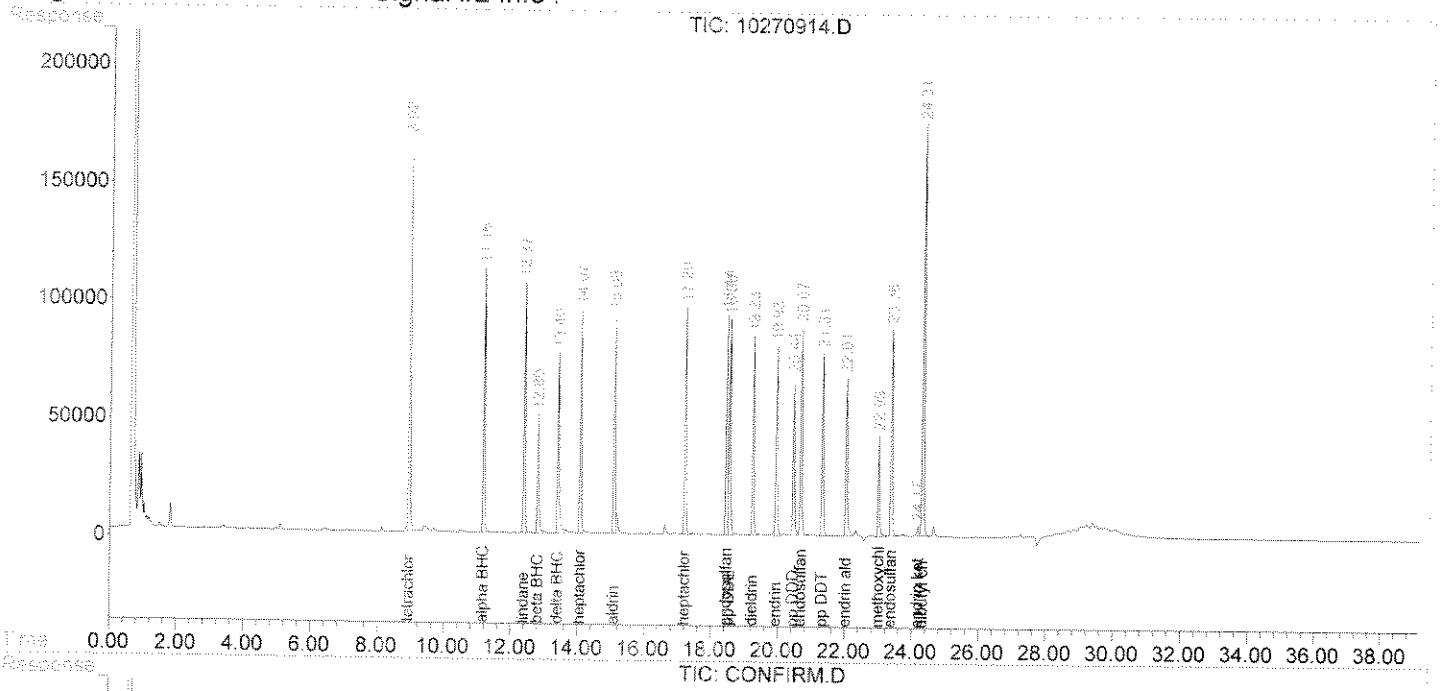
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	8.92	10.77	527159	532036	111.725	115.417
17)	S2 dibutyl chlorend	24.31	26.69	565422	450313	129.248	126.951
	Target Compounds						
2)	alpha BHC	11.16	13.37	340226	301447	0.966	0.960
3)	lindane	12.37	14.75	328240	300159	0.981	0.996
4)	heptachlor	14.07	16.32	290667	264317	0.922m	0.935
5)	aldrin	15.08	17.41	282074	232779	0.875	0.870
6)	beta BHC	12.80	15.16	168587	158658	1.099	1.085
7)	delta BHC	13.40	16.20	263554	283908	0.825	1.006
8)	heptachlor epoxi	17.20	19.44	295384	261688	1.002	1.016
9)	endosulfan 1	18.44	20.69	280240	250905	1.017	1.032
10)	pp DDE	18.53	21.27	285010	245404	0.971m	0.989
11)	dieldrin	19.23	21.59	258166	232810	1.058	1.063
12)	endrin	19.93	22.55	252599	236962	1.055m	1.057
13)	pp DDD	20.44	23.12	219633	209744	1.028	1.036
14)	endosulfan 2	20.67	23.24	296852	256753	1.081	1.121
15)	pp DDT	21.31	24.09	255174	231499	1.015	1.036
16)	endrin aldehyde	22.01	24.35	239433	211101	1.073	1.069m
18)	endosulfan sulfa	23.36	25.23	287920	242519	1.044	1.077
19)	methoxychlor	22.99	26.33	141263	136497	1.114	1.083m
20)	endrin ketone	24.17	26.83	14651	13321	0.050	0.031 #
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

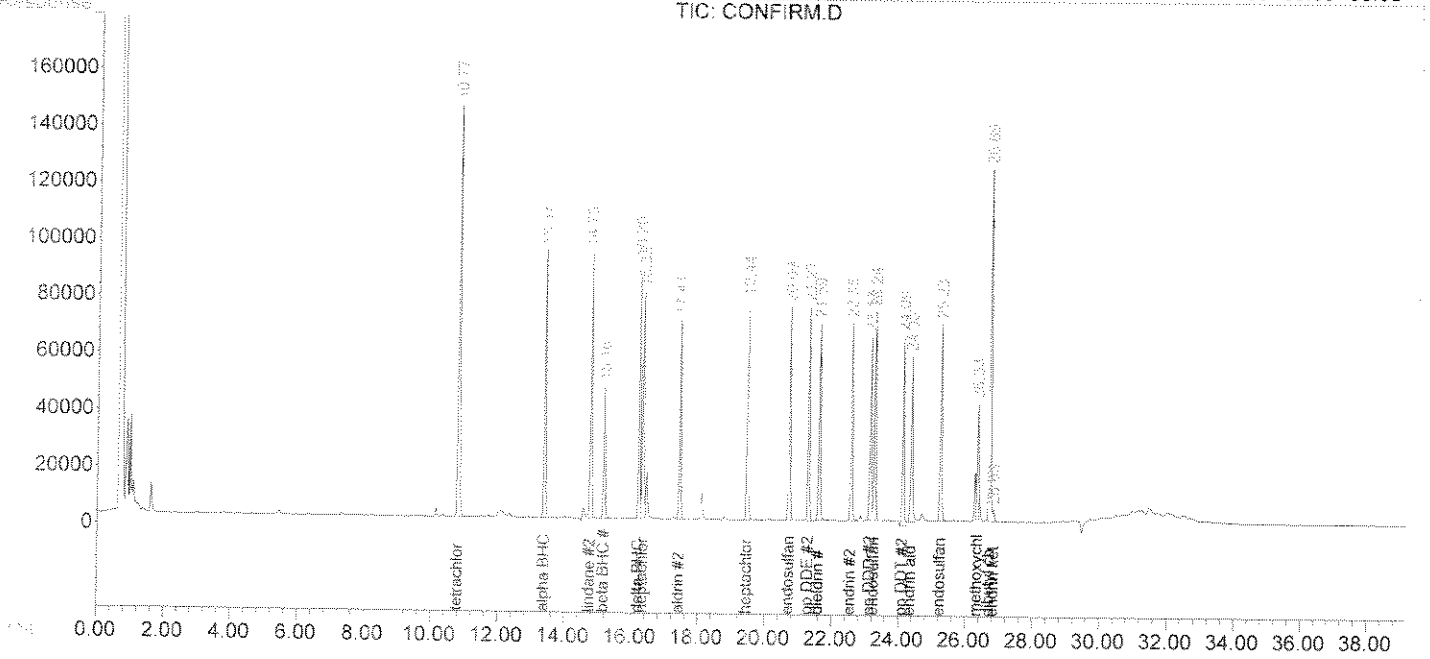
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
10270914.D RMPN1027.M Thu Nov 19 12:17:00 2009 SVGC3

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270914.D\data.ms Vial: 14
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270914.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 00:02 AM Operator: GW
Sample : pest LCS NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:27 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





4C

PESTICIDES METHOD BLANK SUMMARY

SAMPLE NO.

Method Blank

Lab Name: Ecotest Labs Inc. Contract:

Project No.: Site: Location: Group:

Lab Sample ID: Method Blank Lab File ID:

Matrix: (soil/water) water Extraction (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N) N Date Extracted: 10/27/09

Date Analyzed (1): 10/27/09 Date Analyzed (2): 10/27/09

Time Analyzed (1): 952pm Time Analyzed (2): 952pm

Instrument ID (1): HP5890 Instrument ID (2): HP5890

GC Column (1): RTX-CLPesticides ID: 0.25 (mm) GC Column (2): RTX-CLPesticidesII ID: 0.2 (mm)

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	Pest LCS NC x1			10/28/09
02	Pest Spike NC x1			10/27/09
03	Pest Spike Dup NC x1			10/27/09
04	294399.00 NC x1			10/28/09
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

COMMENTS:

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270911.D\data.ms Vial: 11
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270911.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 09:52 PM Operator: GW
Sample : met blank x1 Inst : SVGC2
Misc : 10/26/09 MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:22 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

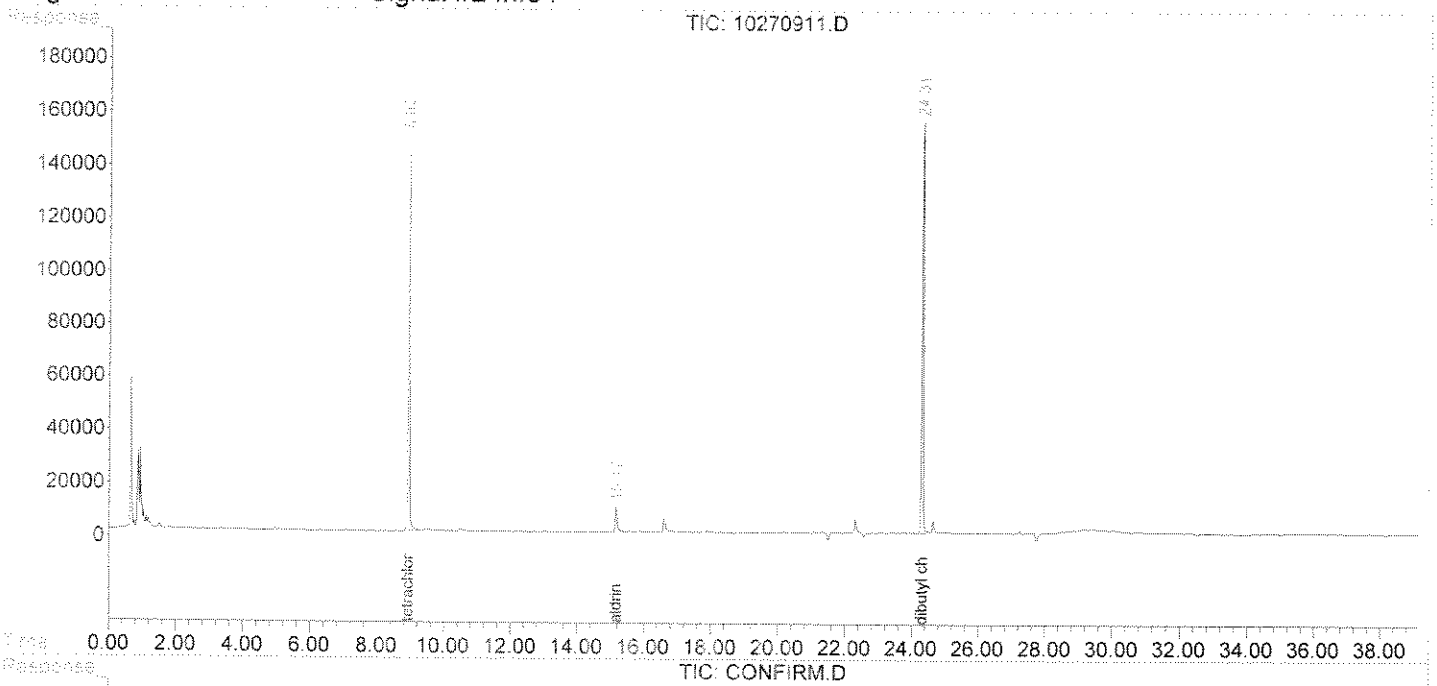
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	8.92	10.77	482182	468561	102.192	101.647
17)	S2 dibutyl chlorend	24.31	26.68	512315	390046	117.109m	109.961
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	0.00	0	0	N.D.	N.D.
4)	heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)	aldrin	15.17f	0.00	45423	0	0.141	N.D. #
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.
12)	endrin	0.00	0.00	0	0	N.D.	N.D.
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15)	pp DDT	0.00	24.16f	0	13559	N.D.	0.061 #
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
18)	endosulfan sulfa	0.00	0.00	0	0	N.D.	N.D.
19)	methoxychlor	0.00	26.40f	0	21215	N.D.	0.168 #
20)	endrin ketone	0.00	0.00	0	0	N.D.	N.D.
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

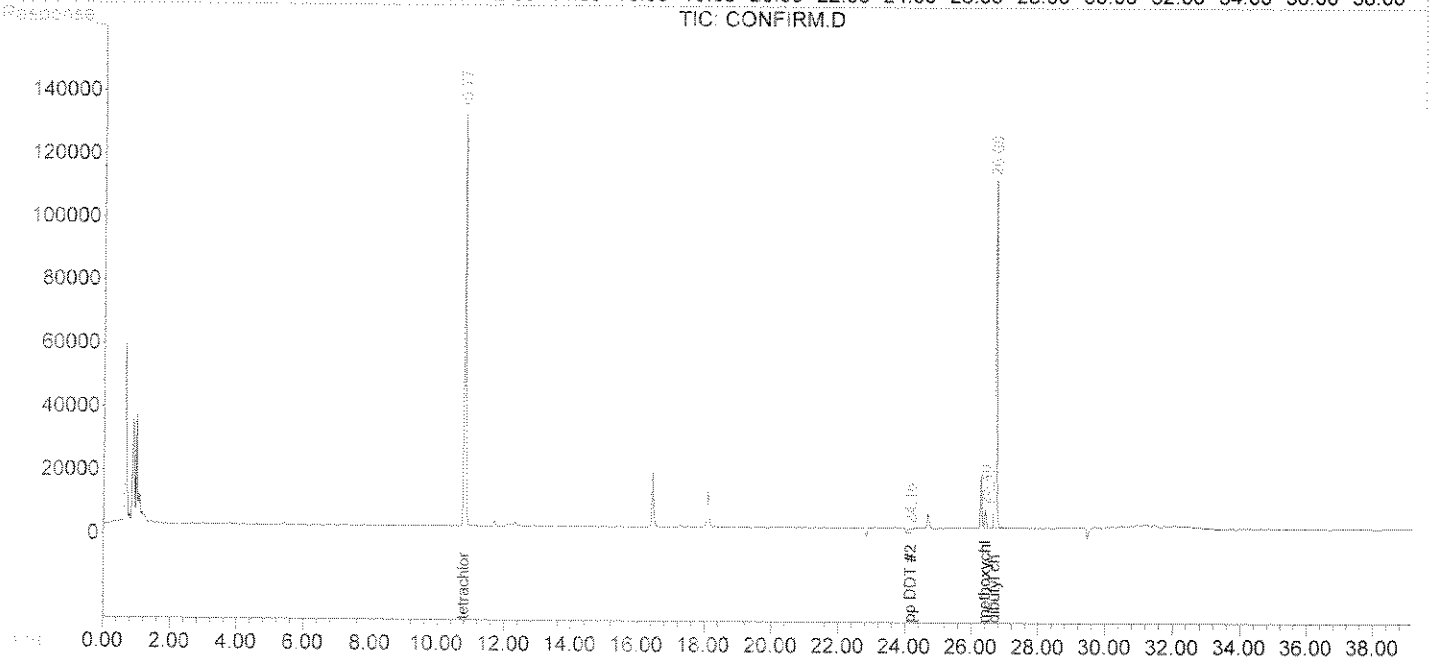
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
10270911.D RMPN1027.M Thu Nov 19 12:16:41 2009 SVGC3

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270911.D\data.ms Vial: 11
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270911.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 09:52 PM Operator: GW
Sample : met blank x1 Inst : SVGC2
Misc : 10/26/09 Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:22 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Ecotest Labs Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Instrument ID: HP5890 Level (x low): low 0.05ug/L mid 1.2ug/L high 2.0ug/L

GC Column: RTX-CLPesticides ID: 0.25 (mm) Date(s) Analyzed: 10/27/2009

COMPOUND	CALIBRATION FACTORS				
	LOW	MID	HIGH	MEAN	%RSD
Alpha BHC	2.584	3.711	3.485	3.307	13.130
Lindane	2.598	3.530	3.302	3.189	11.030
Heptchlor	3.257	3.357	3.096	3.209	3.280
Aldrin	2.813	3.390	3.178	3.138	6.690
beta BHC	1.708	1.731	1.474	1.638	8.500
delta BHC	2.262	3.414	3.181	2.966	14.840
Heptachlor Epoxide	2.895	3.059	2.916	2.940	2.380
Endosulfan 1	2.836	2.928	2.698	2.810	3.230
ppDDE	2.216	3.115	2.930	2.756	12.470
Dieldrin	2.355	2.554	2.419	2.422	3.250
Endrin	2.174	2.551	2.374	2.349	5.790
ppDDD	1.728	2.220	2.131	2.021	9.860
Endosulfan 2	2.942	2.963	2.676	2.834	4.510
ppDDT	2.120	2.633	2.492	2.422	7.940
Endrin Aldehyde	2.325	2.416	2.188	2.295	4.450
Endosulfan Sulfate	2.778	2.946	2.705	2.800	3.460
Methoxychlor	1.384	1.356	1.239	1.319	4.980

%RSD must be less than or equal 15.0% for all compounds

Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009

Calibration Files
0.05 =10270902.D 0.40 =10270903.D 0.80 =10160904.D
1.2 =10270905.D 1.6 =10270906.D 2.0 =10270907.D

	Compound	0.05	0.40	0.80	1.2	1.6	2.0	Avg	%RSD
1) S1	tetrachloro-m-xylen							4.718 E3	0.00
2)	alpha BHC	2.584	3.265	3.711	3.494	3.485	3.307	E5	13.13
3)	lindane	2.598	3.198	3.530	3.317	3.302	3.189	E5	11.03
4)	heptachlor	3.257	3.211	3.357	3.123	3.096	3.209	E5	3.28
5)	aldrin	2.813	3.103	3.390	3.205	3.178	3.138	E5	6.69
6)	beta BHC	1.708	1.776	1.731	1.503	1.474	1.638	E5	8.50
7)	delta BHC	2.262	2.859	3.411	3.119	3.181	2.966	E5	14.84
8)	heptachlor epoxide	2.895	2.888	3.059	2.940	2.916	2.940	E5	2.38
9)	endosulfan 1	2.836	2.848	2.928	2.742	2.698	2.810	E5	3.23
10)	pp DDE	2.216	2.656	3.115	2.863	2.930	2.756	E5	12.47
11)	dieldrin	2.355	2.369	2.554	2.412	2.419	2.422	E5	3.25
12)	endrin	2.174	2.303	2.551	2.346	2.374	2.349	E5	5.79
13)	pp DDD	1.728	1.910	2.220	2.114	2.131	2.021	E5	9.86
14)	endosulfan 2	2.942	2.861	2.963	2.729	2.676	2.834	E5	4.51
15)	pp DDT	2.120	2.372	2.633	2.492	2.492	2.422	E5	7.94
16)	endrin aldehyde	2.325	2.357	2.416	2.190	2.188	2.295	E5	4.45
17) S2	dibutyl chlorendate							4.375 E3	0.00
18)	endosulfan sulfate	2.778	2.840	2.946	2.730	2.705	2.800	E5	3.46
19)	methoxychlor	1.384	1.358	1.356	1.258	1.239	1.319	E5	4.98
20)	endrin ketone	3.171	3.193	3.115	3.077	2.993	2.817	3.061 E5	4.55
21)	alpha-cdane	3.546	3.343	3.199	3.139	2.965	2.819	3.168 E5	8.21
22)	gamma-cdane	3.426	3.223	3.119	3.082	2.926	2.774	3.092 E5	7.35

Signal #2 Calibration Files
0.05 =CONFIRM.D 0.40 =CONFIRM.D 0.80 =CONFIRM.D
1.2 =CONFIRM.D 1.6 =CONFIRM.D 2.0 =CONFIRM.D

	Compound	0.05	0.40	0.80	1.2	1.6	2.0	Avg	%RSD
1) S1	tetrachloro-m-xylen							4.610 E3	0.00
2)	alpha BHC	2.434	2.873	3.268	3.117	3.120	2.962	E5	11.05
3)	lindane	2.505	2.896	3.157	3.023	2.960	2.908	E5	8.42
4)	heptachlor	3.103	2.865	2.941	2.792	2.805	2.901	E5	4.38
5)	aldrin	2.342	2.519	2.778	2.645	2.664	2.590	E5	6.42
6)	beta BHC	1.656	1.657	1.611	1.441	1.416	1.556	E5	7.61
7)	delta BHC	2.152	2.575	2.977	2.787	2.800	2.659	E5	11.92
8)	heptachlor epoxide	2.610	2.605	2.709	2.556	2.538	2.604	E5	2.56
9)	endosulfan 1	2.462	2.465	2.568	2.405	2.396	2.459	E5	2.79
10)	pp DDE	2.059	2.271	2.582	2.452	2.473	2.367	E5	8.68
11)	dieldrin	2.197	2.194	2.308	2.162	2.167	2.206	E5	2.68
12)	endrin	2.070	2.181	2.359	2.199	2.231	2.208	E5	4.70
13)	pp DDD	1.702	1.874	2.110	1.996	2.019	1.940	E5	8.13
14)	endosulfan 2	2.441	2.425	2.486	2.287	2.217	2.371	E5	4.80
15)	pp DDT	1.865	2.102	2.326	2.205	2.228	2.145	E5	8.19

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009

Calibration Files
0.05 =CONFIRM.D 0.40 =CONFIRM.D 0.80 =CONFIRM.D
1.2 =CONFIRM.D 1.6 =CONFIRM.D 2.0 =CONFIRM.D

	Compound	0.05	0.40	0.80	1.2	1.6	2.0	Avg		%RSD
16)	endrin aldehyde	2.063	2.132	2.163	1.927	1.931	2.043	E5		5.40
17) S2	dibutyl chlorendate							3.547	E3	0.00
18)	endosulfan sulfate	2.260	2.296	2.387	2.211	2.226	2.276	E5		3.08
19)	methoxychlor	1.270	1.346	1.340	1.255	1.231	1.289	E5		4.03
20)	endrin ketone	5.726	5.129	4.668	4.501	4.429	4.132	4.764	E5	12.05
21)	alpha-cdane	6.280	5.559	5.083	4.975	4.747	4.524	5.195	E5	12.24
22)	gamma-cdane	6.068	5.379	4.978	4.879	4.662	4.457	5.071	E5	11.43

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270902.D\data.ms Vial: 2
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270902.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 03:21 PM Operator: GW
Sample : rmp 0.05 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 9:59 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

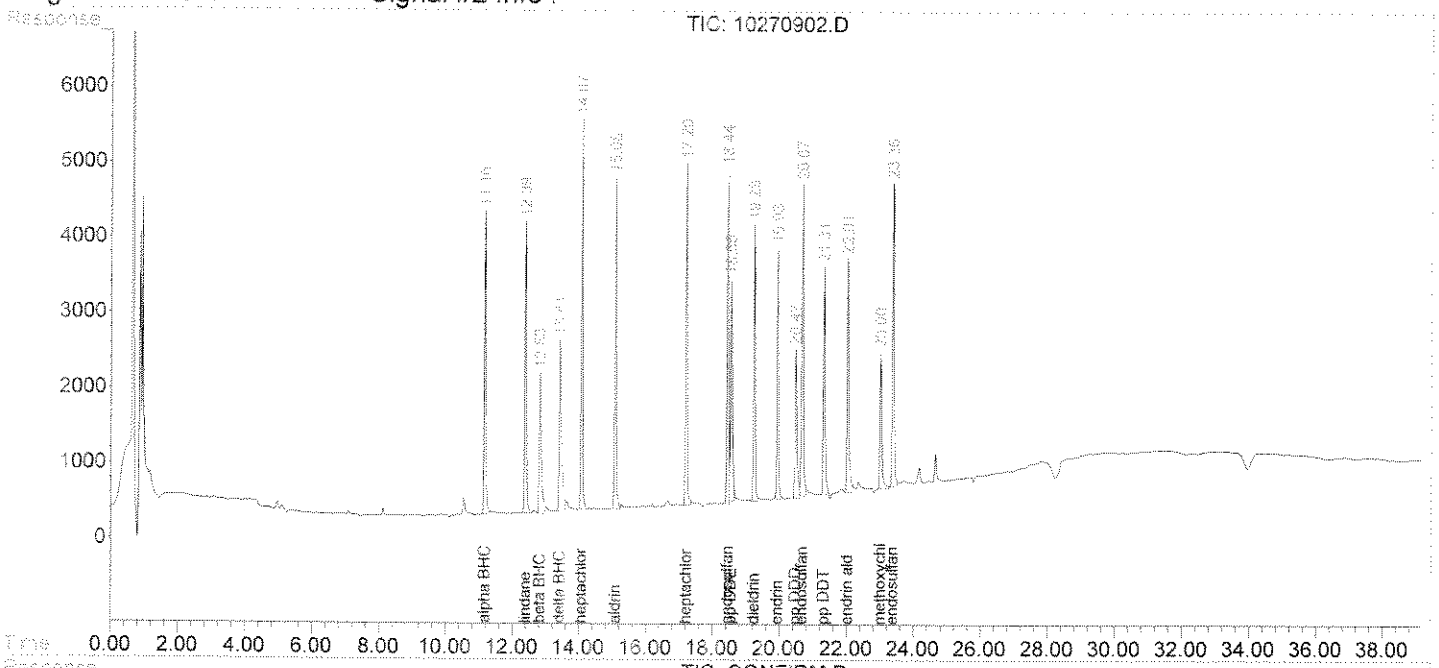
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.36	12918	12171	0.035m	0.035m
3)	lindane	12.39	14.75	12990	12527	0.038	0.037
4)	heptachlor	14.07	16.32	16286	15513	0.060	0.049m
5)	aldrin	15.08	17.41	14066	11711	0.045	0.039
6)	beta BHC	12.83	15.16	8538	8281	0.050m	0.050m
7)	delta BHC	13.41	16.20	11308	10762	0.035m	0.034
8)	heptachlor epoxi	17.20	19.43	14474	13051	0.055m	0.045
9)	endosulfan 1	18.44	20.68	14179	12309	0.053m	0.044
10)	pp DDE	18.55	21.25	11079	10294	0.034m	0.035
11)	dieldrin	19.23	21.59	11777	10986	0.049m	0.044
12)	endrin	19.93	22.53	10870	10352	0.050m	0.039
13)	pp DDD	20.47	23.11	8638	8510	0.043	0.035
14)	endosulfan 2	20.67	23.24	14712	12205	0.058m	0.046
15)	pp DDT	21.31	24.08	10599	9325	0.040m	0.034
16)	endrin aldehyde	22.01	24.33	11623	10315	0.058m	0.044m
18)	endosulfan sulfa	23.36	25.21	13890	11302	0.056m	0.043
19)	methoxychlor	23.00	26.33	6918	6351	0.061	0.044m#
20)	endrin ketone	0.00	0.00	0	0	N.D.	N.D.
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

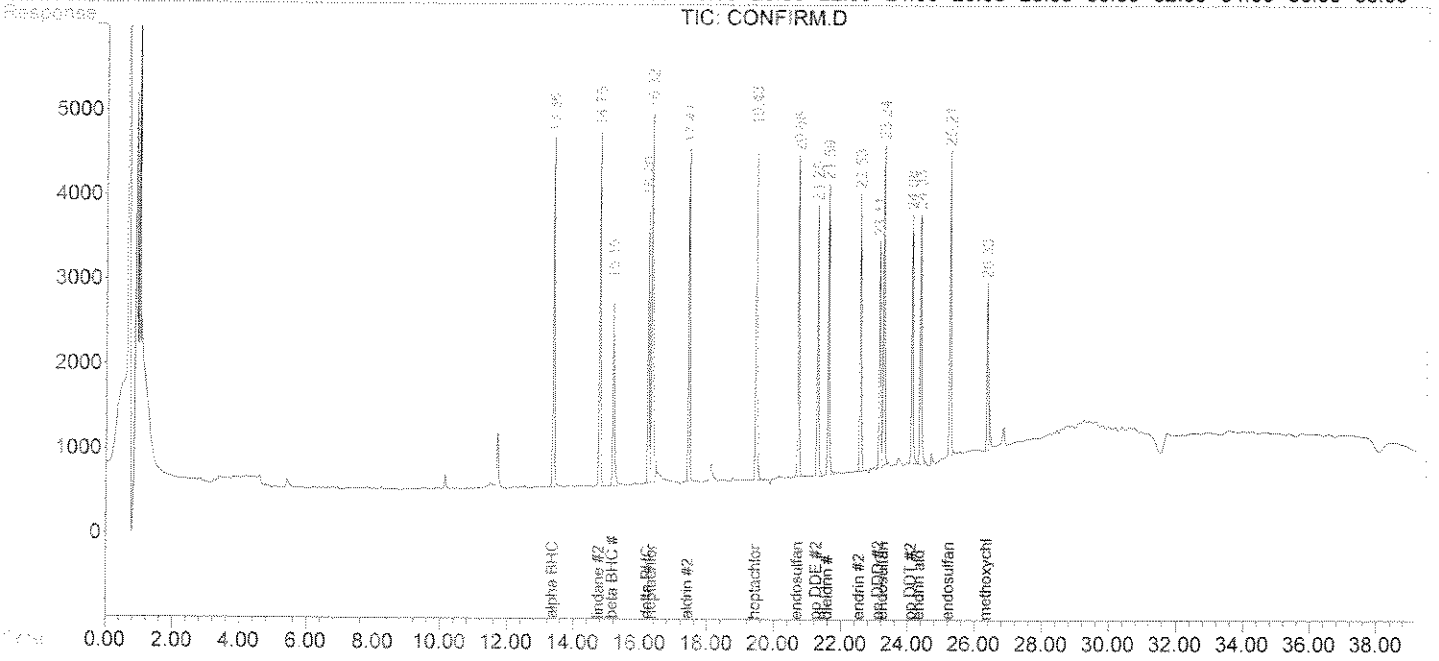
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270902.D\data.ms Vial: 2
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270902.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 03:21 PM Operator: GW
Sample : rmp 0.05 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 9:59 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270903.D\data.ms Vial: 3
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270903.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 04:05 PM Operator: GW
Sample : rmp 0.4 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:01 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

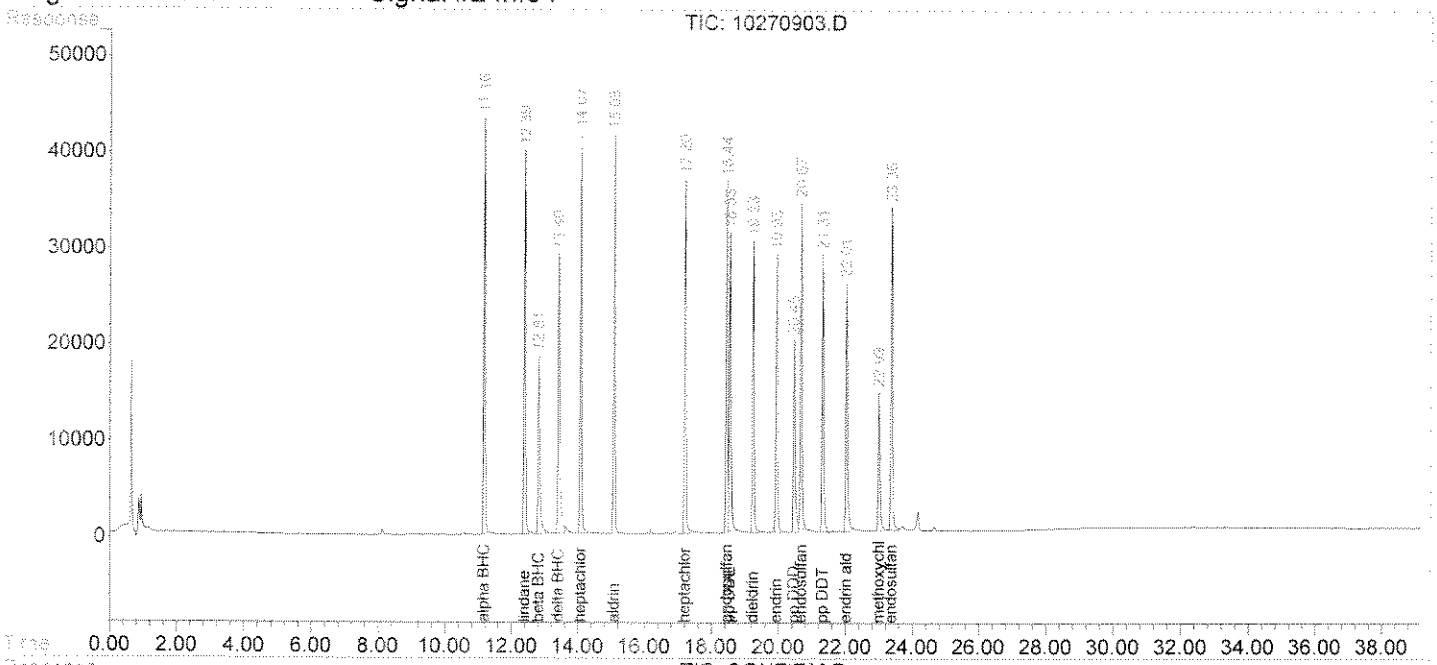
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.36	130580	114919	0.357	0.332
3)	lindane	12.39	14.75	127934	115857	0.377m	0.344
4)	heptachlor	14.07	16.32	128424	114598	0.471m	0.362
5)	aldrin	15.08	17.41	124105	100766	0.393	0.334
6)	beta BHC	12.81	15.16	71021	66262	0.417m	0.396
7)	delta BHC	13.40	16.20	114371	103000	0.356m	0.329
8)	heptachlor epoxi	17.20	19.43	115538	104181	0.436m	0.356m
9)	endosulfan 1	18.44	20.69	113918	98602	0.427m	0.356
10)	pp DDE	18.53	21.25	106221	90830	0.322m	0.307
11)	dieldrin	19.23	21.59	94764	87779	0.390	0.348
12)	endrin	19.93	22.55	92113	87249	0.425m	0.328
13)	pp DDD	20.45	23.11	76411	74951	0.380	0.309
14)	endosulfan 2	20.67	23.24	114453	97000	0.449m	0.364m
15)	pp DDT	21.31	24.08	94870	84095	0.359m	0.306
16)	endrin aldehyde	22.01	24.35	94293	85280	0.470m	0.360
18)	endosulfan sulfa	23.36	25.21	113611	91843	0.461	0.346 #
19)	methoxychlor	22.99	26.33	54304	53834	0.479m	0.377
20)	endrin ketone	0.00	0.00	0	0	N.D. d	N.D. d
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

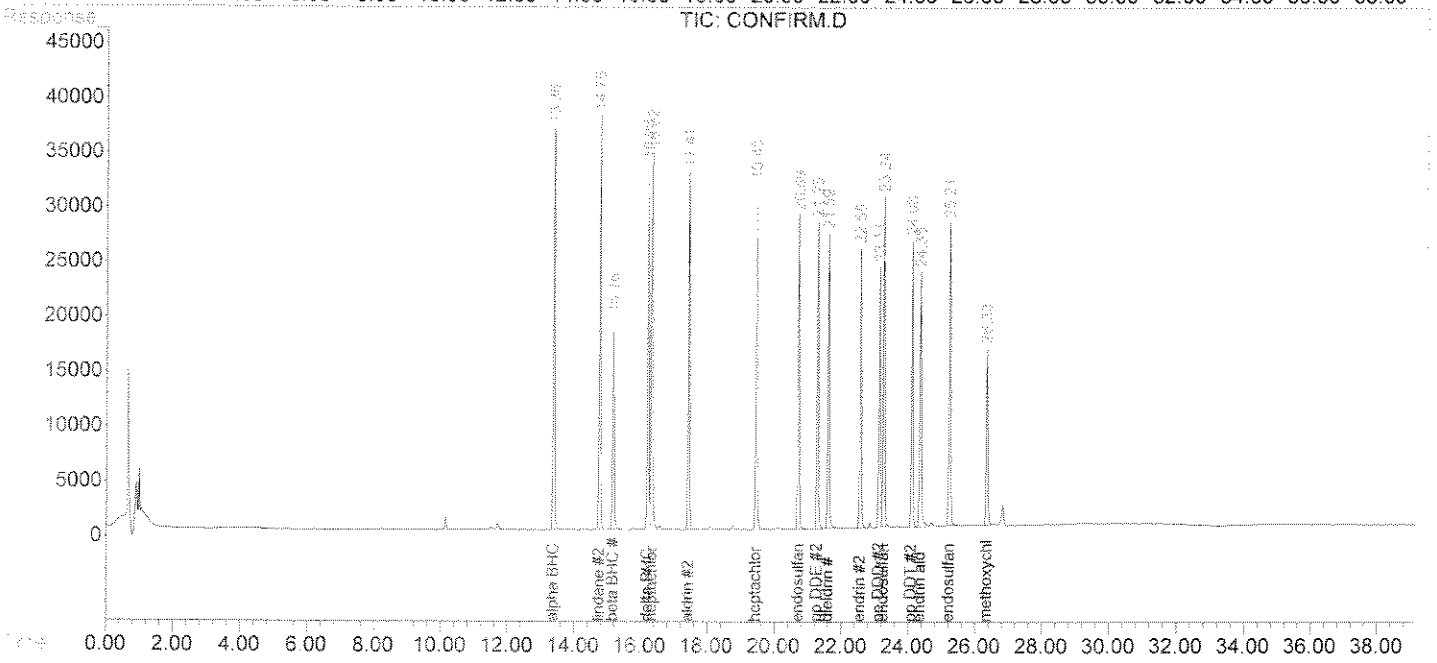
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270903.D\data.ms Vial: 3
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270903.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 04:05 PM Operator: GW
Sample : rmp 0.4 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:01 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270905.D\data.ms Vial: 5
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270905.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 05:32 PM Operator: GW
Sample : rmp 1.2 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:03 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

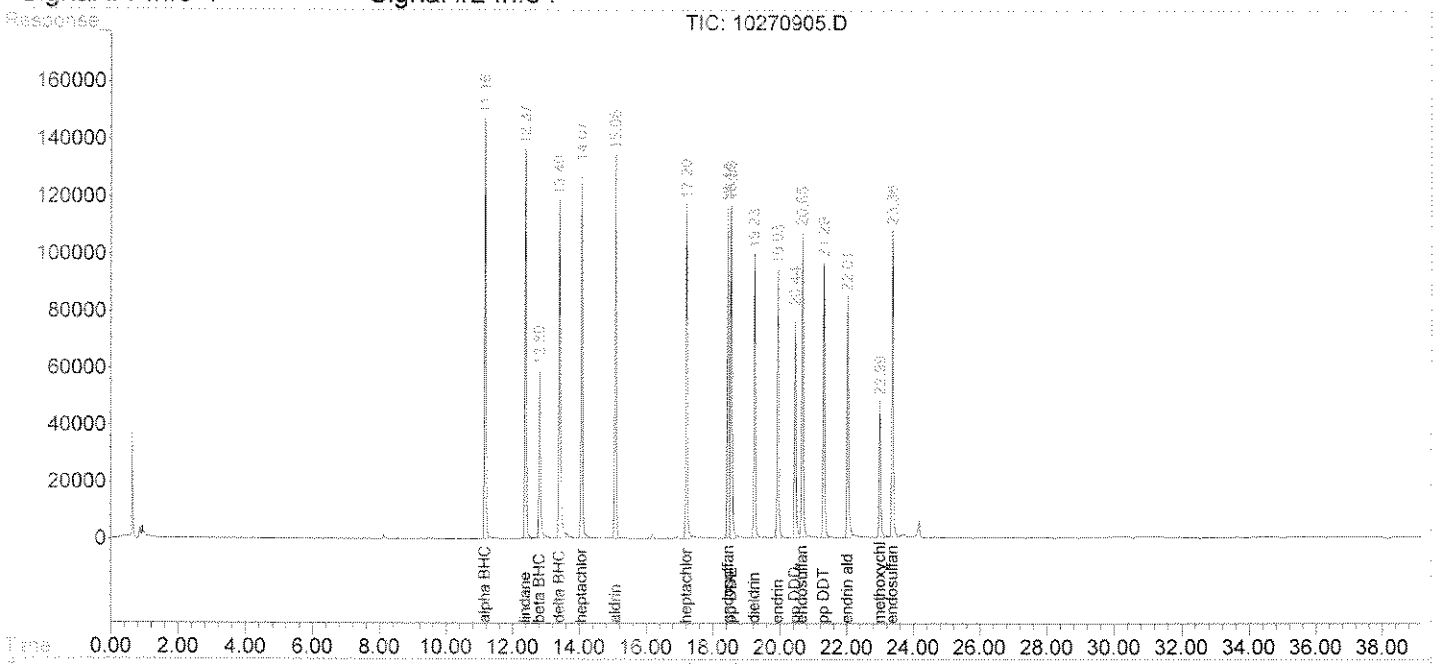
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.37	445268	392102	1.217	1.133
3)	lindane	12.37	14.75	423633	378800	1.247	1.125
4)	heptachlor	14.07	16.32	402822	352962	1.476	1.114
5)	aldrin	15.08	17.41	406821	333415	1.290	1.105
6)	beta BHC	12.80	15.16	207771	193296	1.221m	1.157m
7)	delta BHC	13.40	16.20	409278	357278	1.273	1.141
8)	heptachlor epoxi	17.20	19.43	367134	325134	1.385m	1.112
9)	endosulfan 1	18.44	20.69	351306	308211	1.317	1.112
10)	pp DDE	18.53	21.27	373804	309846	1.135m	1.047
11)	dieldrin	19.23	21.59	306497	276933	1.262	1.097
12)	endrin	19.93	22.55	306073	283062	1.411m	1.065
13)	pp DDD	20.44	23.11	266442	253258	1.323	1.046
14)	endosulfan 2	20.65	23.24	355618	298311	1.394m	1.120m
15)	pp DDT	21.29	24.08	315919	279098	1.197	1.014
16)	endrin aldehyde	22.01	24.35	289878	259554	1.446m	1.096
18)	endosulfan sulfa	23.36	25.21	353578	286466	1.435	1.078
19)	methoxychlor	22.99	26.33	162686	160857	1.436	1.125
20)	endrin ketone	0.00	0.00	0	0	N.D. d	N.D. d
21)	alpha-cdane	0.00	0.00	0	0	N.D. d	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D. d	N.D. d

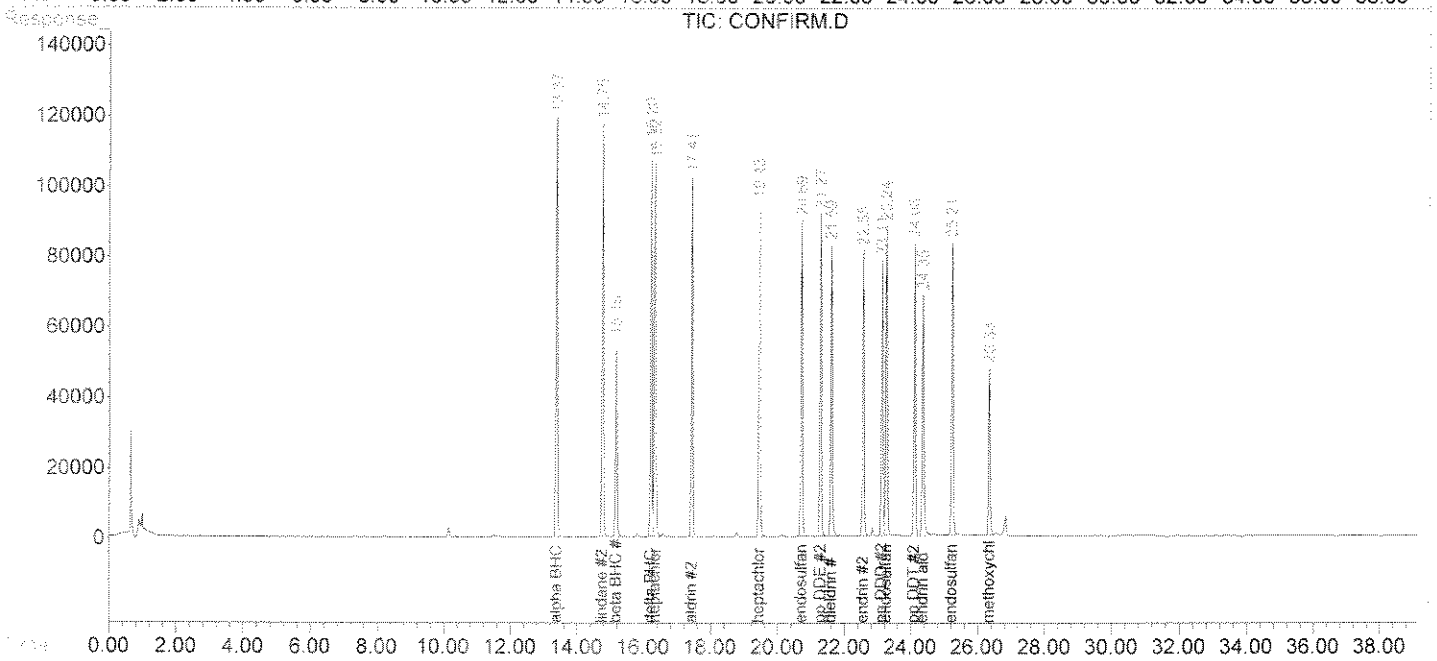
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270905.D\data.ms Vial: 5
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270905.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 05:32 PM Operator: GW
Sample : rmp 1.2 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:03 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270906.D\data.ms Vial: 6
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270906.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 06:15 PM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:16 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

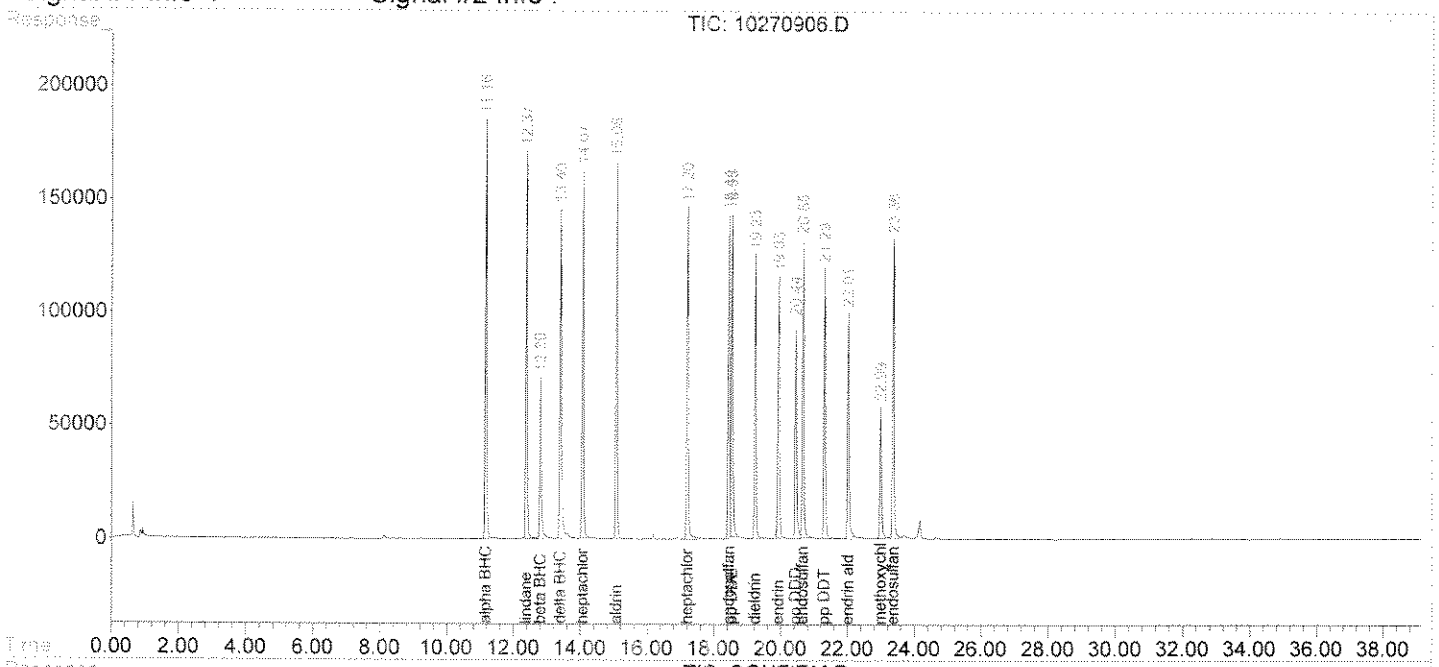
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.36	558962	498648	1.528	1.441
3)	lindane	12.37	14.75	530730	483654	1.562	1.437
4)	heptachlor	14.07	16.32	499642	446705	1.831m	1.410
5)	aldrin	15.08	17.41	512760	423248	1.626	1.403
6)	beta BHC	12.80	15.16	240436	230533	1.413m	1.379
7)	delta BHC	13.40	16.20	499013	445989	1.552m	1.425
8)	heptachlor epoxi	17.20	19.43	470413	409032	1.774	1.399
9)	endosulfan 1	18.44	20.69	438785	384814	1.645	1.388
10)	pp DDE	18.53	21.27	458131	392286	1.390m	1.326
11)	dieldrin	19.23	21.59	385928	345932	1.589	1.371
12)	endrin	19.93	22.55	375337	351789	1.731m	1.324
13)	pp DDD	20.44	23.11	338182	319335	1.680	1.319
14)	endosulfan 2	20.65	23.24	436664	365995	1.711m	1.375m
15)	pp DDT	21.29	24.08	398686	352858	1.510	1.283
16)	endrin aldehyde	22.01	24.35	350470	308242	1.748m	1.302 #
18)	endosulfan sulfa	23.36	25.21	436742	353821	1.772	1.331
19)	methoxychlor	22.99	26.33	201204	200856	1.776m	1.405
20)	endrin ketone	0.00	0.00	0	0	N.D. d	N.D. d
21)	alpha-cdane	0.00	0.00	0	0	N.D. d	N.D. d
22)	gamma-cdane	0.00	0.00	0	0	N.D. d	N.D. d

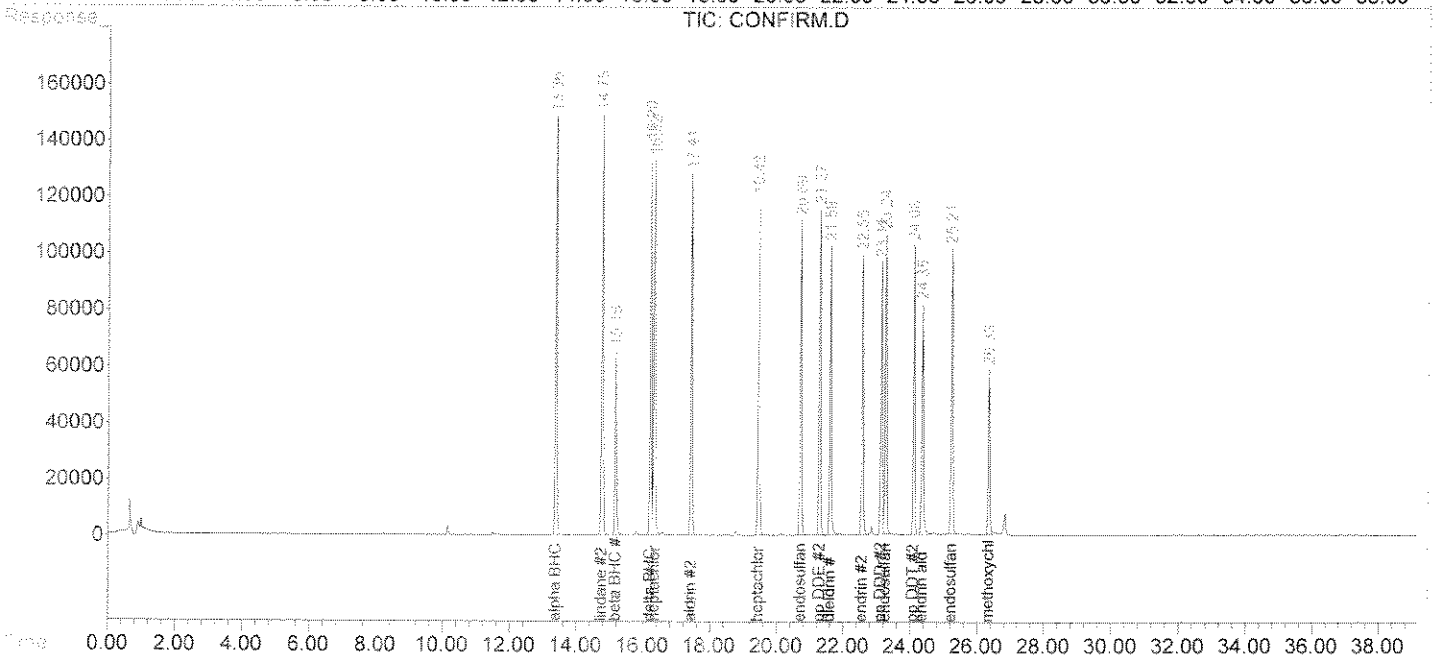
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270906.D\data.ms Vial: 6
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270906.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 06:15 PM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:16 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270907.D\data.ms Vial: 7
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270907.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 06:58 PM Operator: GW
Sample : rmp 2.0 Inst : SVGC2
Misc : Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:18 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

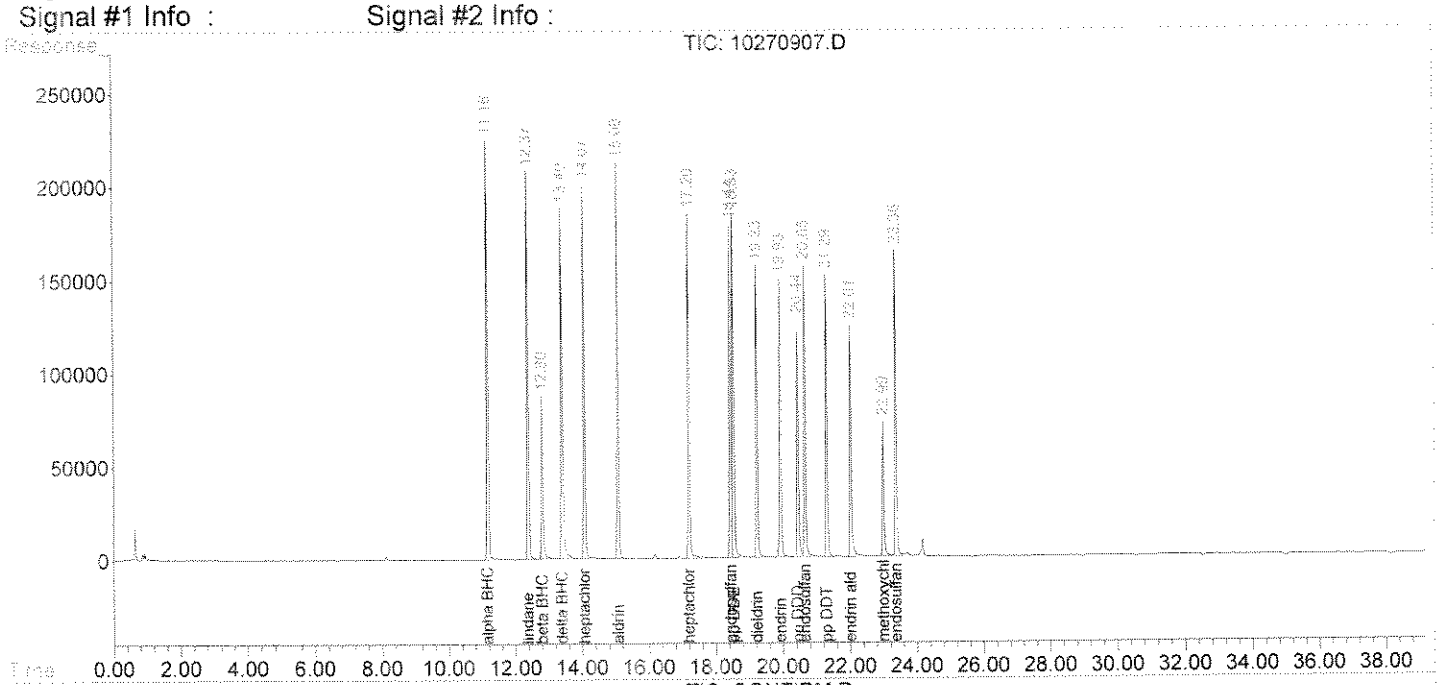
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.37	696903	624050	1.905	1.803
3)	lindane	12.37	14.75	660338	592046	1.944	1.759
4)	heptachlor	14.07	16.32	619218	560964	2.269m	1.770
5)	aldrin	15.08	17.41	635608	532857	2.015	1.766
6)	beta BHC	12.80	15.16	294824	283114	1.732m	1.694
7)	delta BHC	13.40	16.20	636229	560076	1.979	1.789
8)	heptachlor epoxi	17.20	19.44	583170	507693	2.199	1.737
9)	endosulfan 1	18.44	20.69	539611	479195	2.022	1.729
10)	pp DDE	18.53	21.27	586038	494574	1.779m	1.671
11)	dieldrin	19.23	21.59	483854	433482	1.993	1.717m
12)	endrin	19.93	22.55	474778	446154	2.189m	1.679
13)	pp DDD	20.44	23.11	426225	403858	2.117	1.668
14)	endosulfan 2	20.65	23.24	535196	443323	2.098m	1.665m
15)	pp DDT	21.29	24.09	498340	445589	1.888m	1.620
16)	endrin aldehyde	22.01	24.35	437534	386286	2.182m	1.631 #
18)	endosulfan sulfa	23.36	25.21	541014	445190	2.196	1.675
19)	methoxychlor	22.99	26.33	247726	246146	2.187	1.722
20)	endrin ketone	0.00	0.00	0	0	N.D. d	N.D. d
21)	alpha-cdane	0.00	0.00	0	0	N.D. d	N.D. d
22)	gamma-cdane	0.00	0.00	0	0	N.D. d	N.D. d

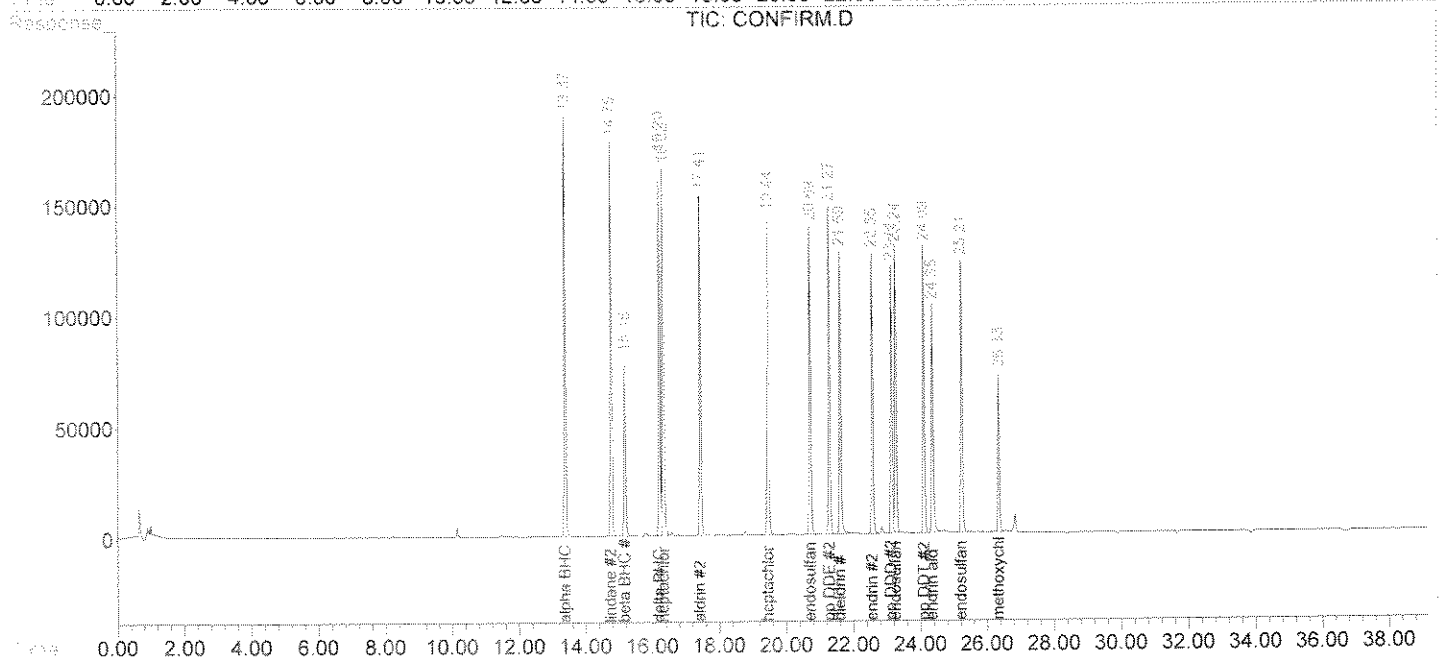
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270907.D\data.ms Vial: 7
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270907.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 06:58 PM Operator: GW
Sample : rmp 2.0 Inst : SVGC2
Misc : Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:18 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270908.D\data.ms Vial: 8
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270908.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 07:42 PM Operator: GW
Sample : surrogate std Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:18 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

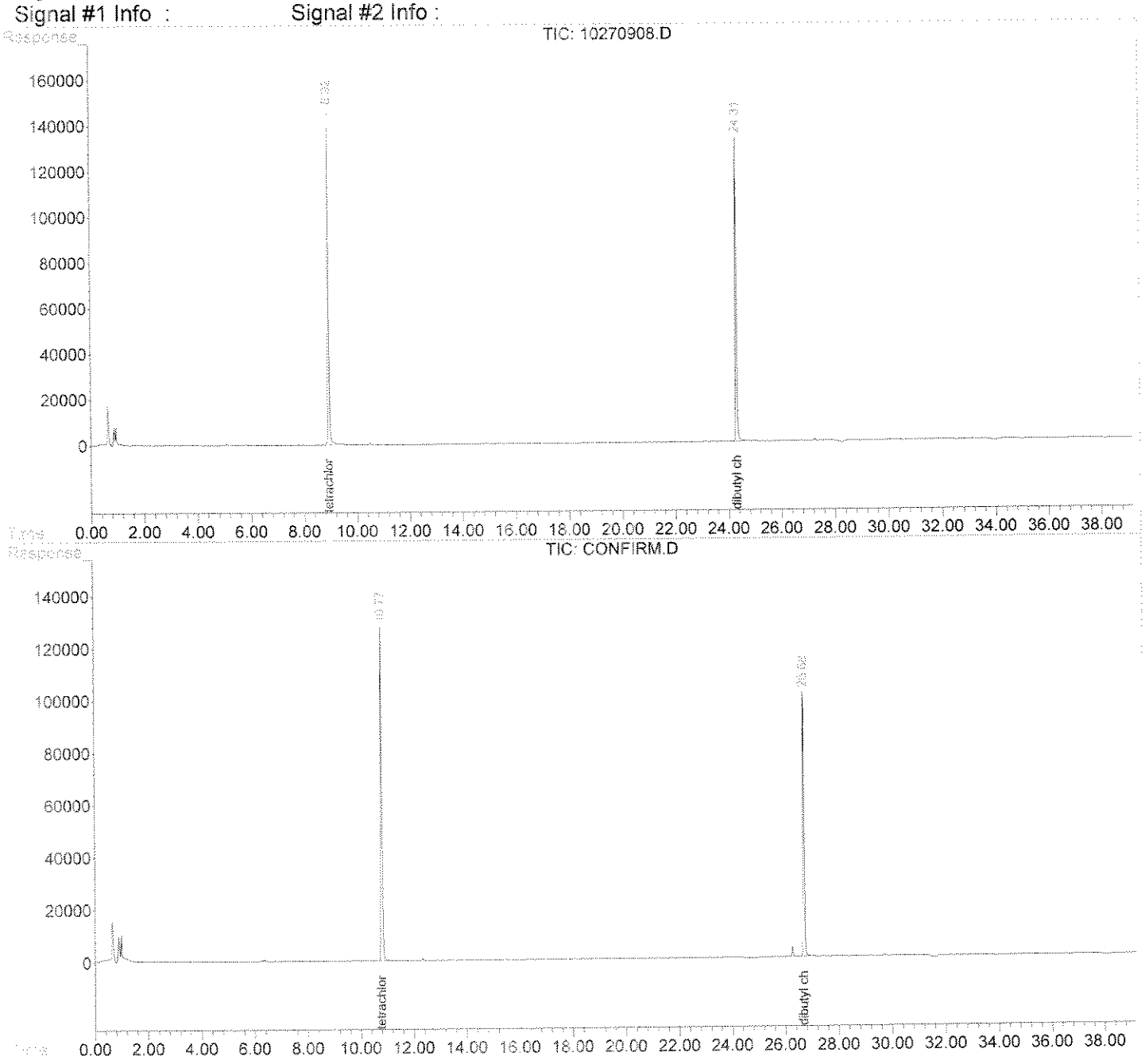
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	8.92	10.77	471838	460967	95.120m	90.524
17)	S2 dibutyl chlorend	24.31	26.68	437470	354713	102.071	84.131
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	0.00	0	0	N.D.	N.D.
4)	heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)	aldrin	0.00	0.00	0	0	N.D.	N.D.
6)	beta BHC	0.00	0.00	0	0	N.D. d	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.
12)	endrin	0.00	0.00	0	0	N.D.	N.D.
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15)	pp DDT	0.00	0.00	0	0	N.D.	N.D.
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
18)	endosulfan sulfa	0.00	0.00	0	0	N.D. d	N.D. d
19)	methoxychlor	0.00	0.00	0	0	N.D.	N.D. d
20)	endrin ketone	0.00	0.00	0	0	N.D.	N.D.
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

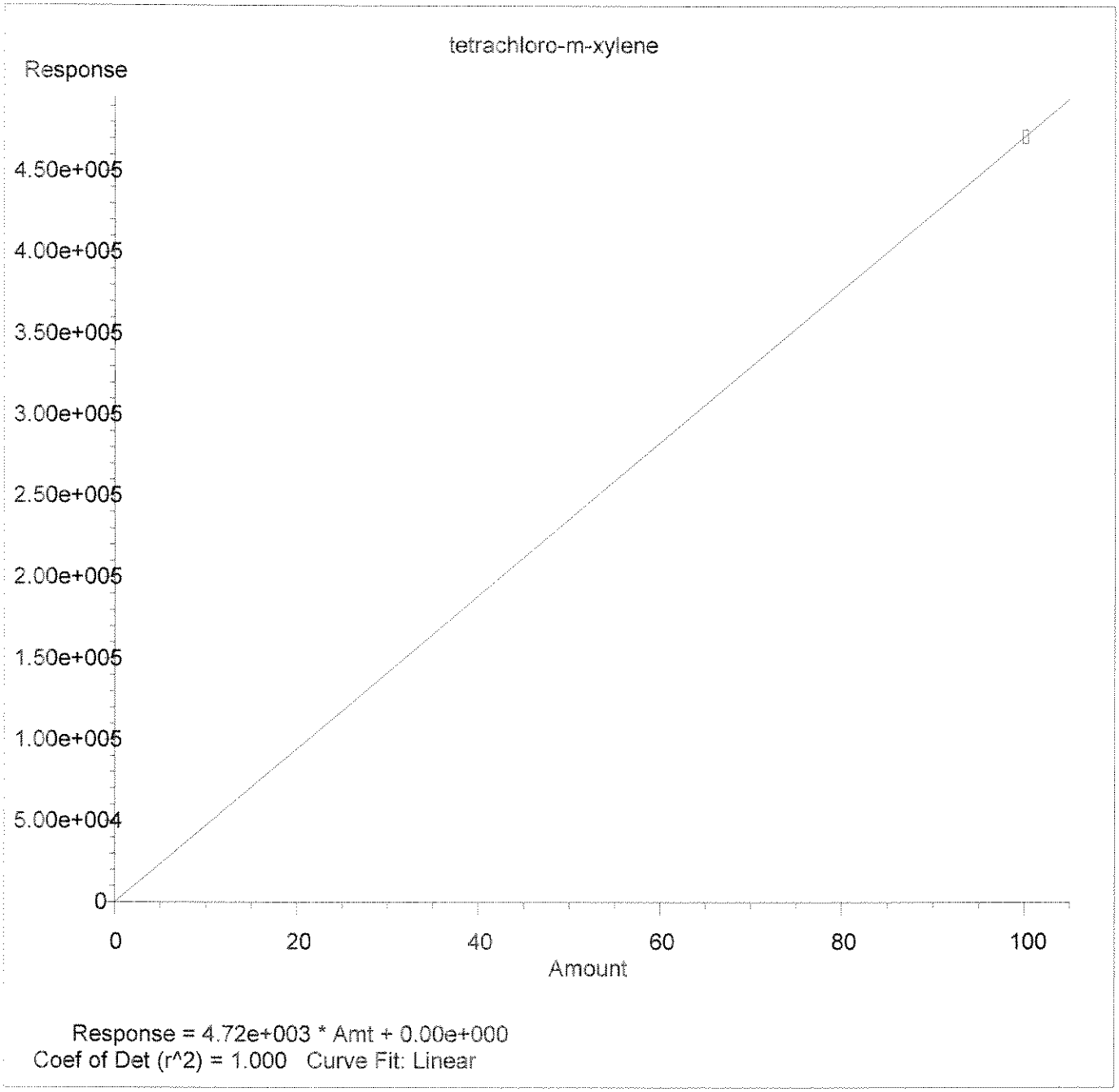
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270908.D\data.ms Vial: 8
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270908.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 07:42 PM Operator: GW
Sample : surrogate std Inst : SVGC2
Misc : Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:18 2009 Quant Results File: RMPN1016.RES

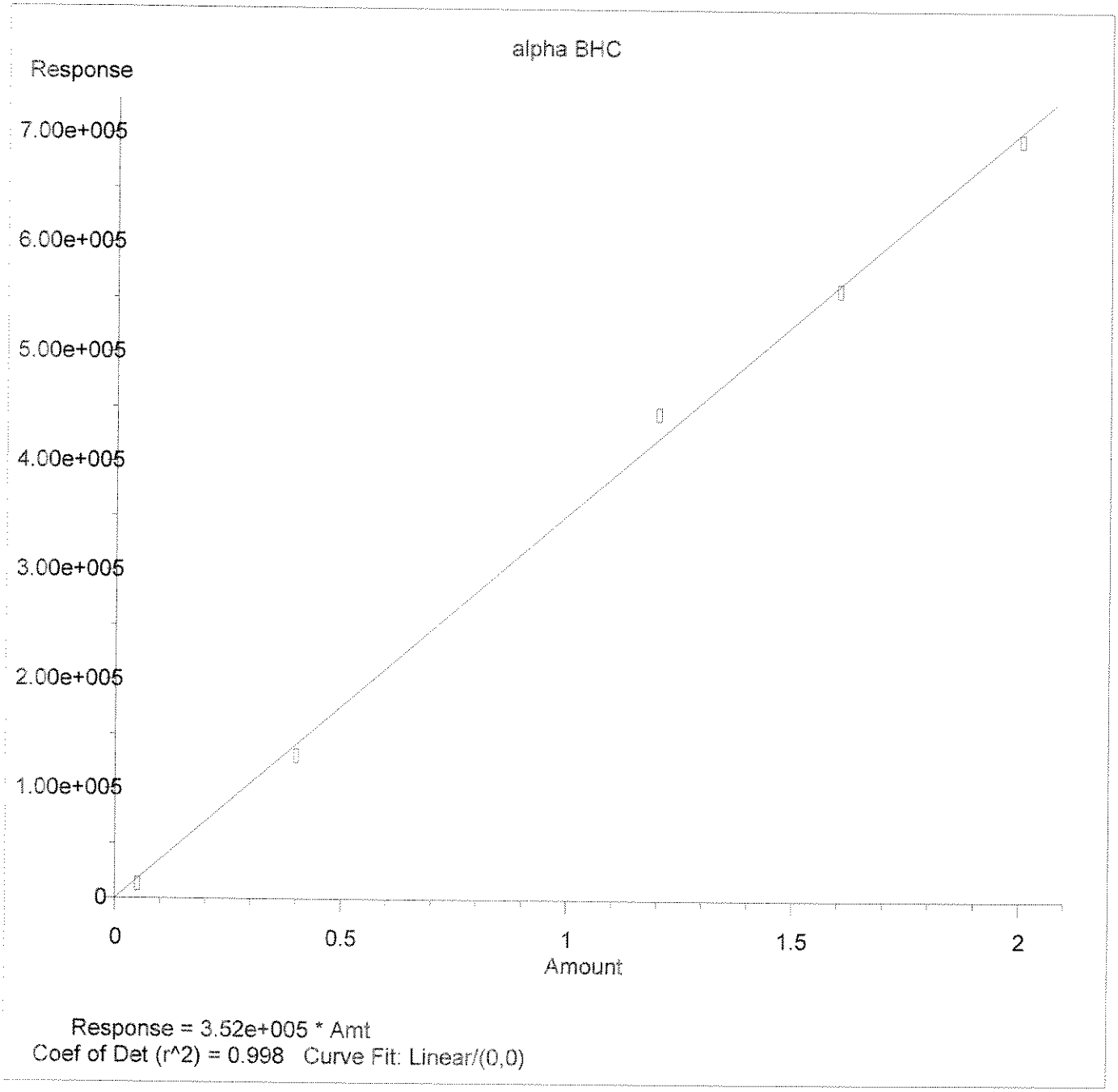
Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

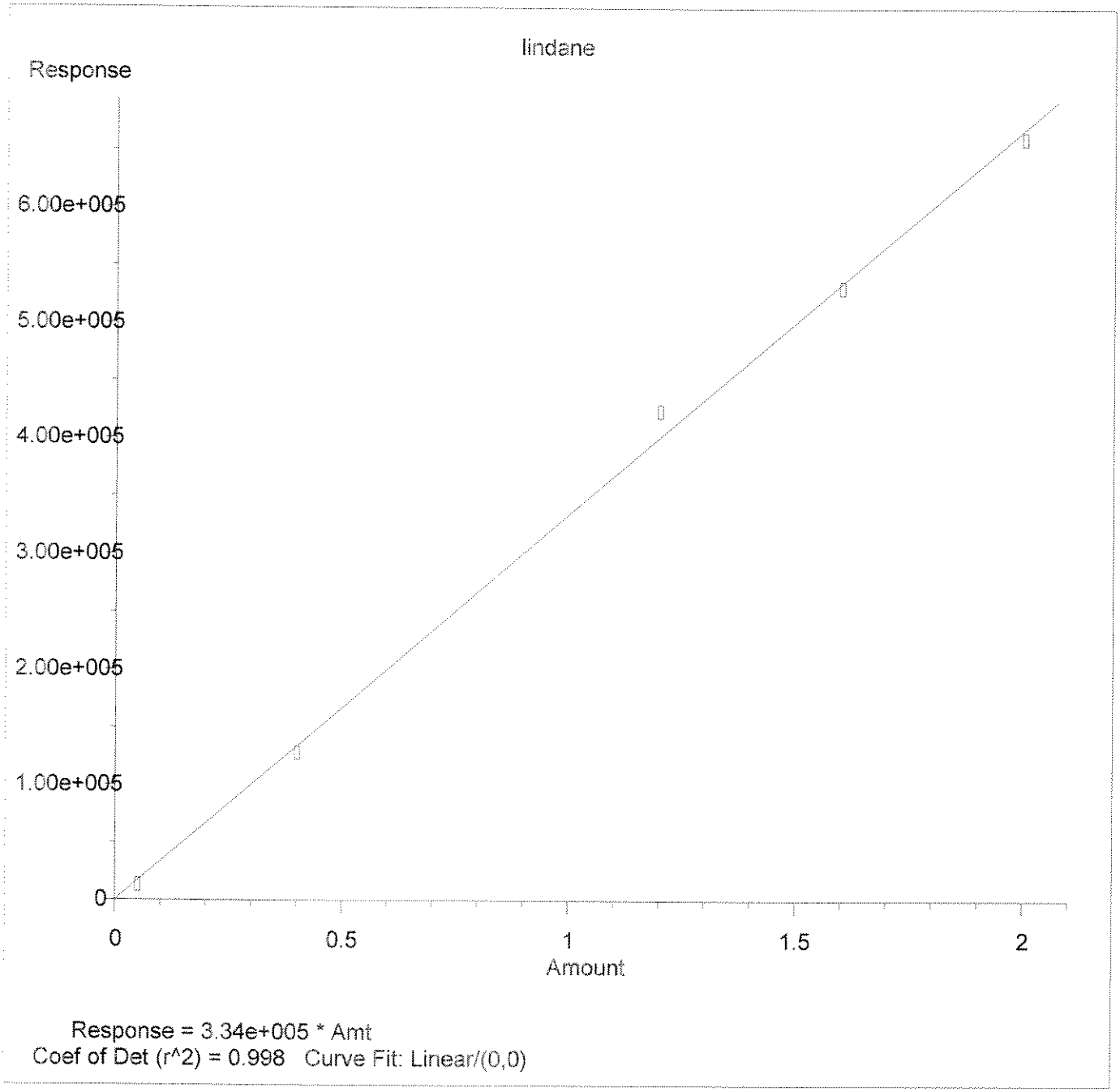




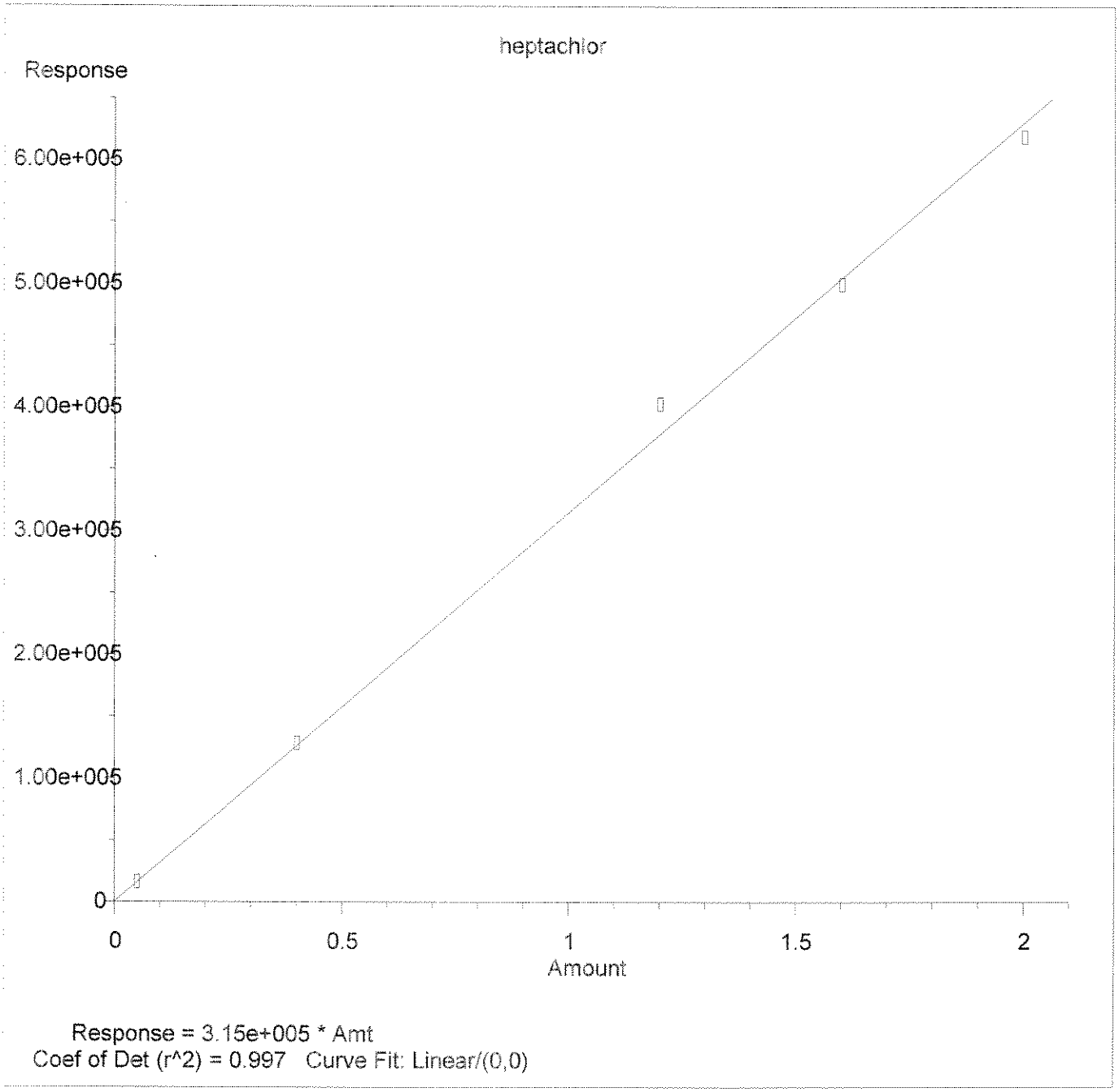
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



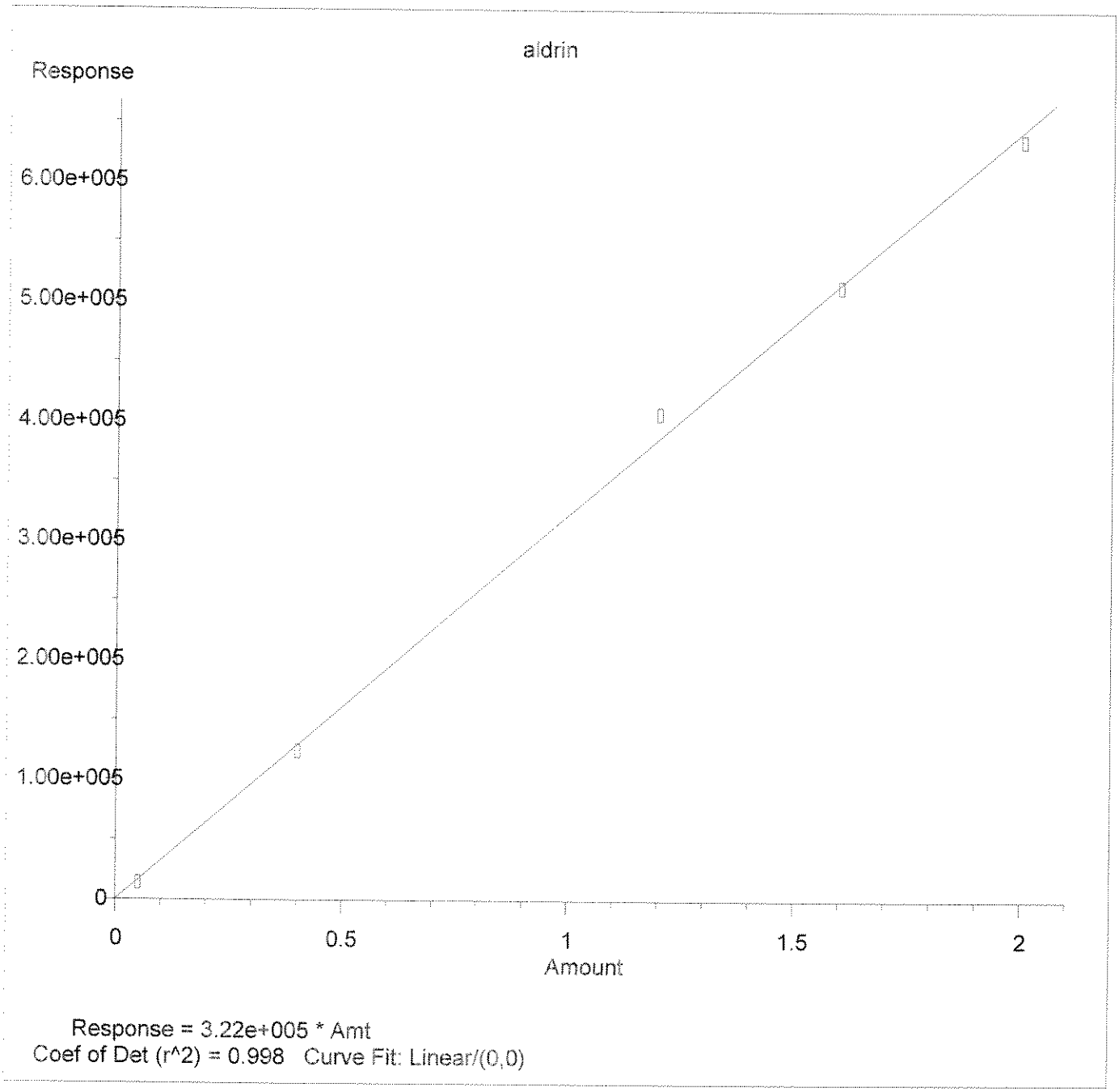
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



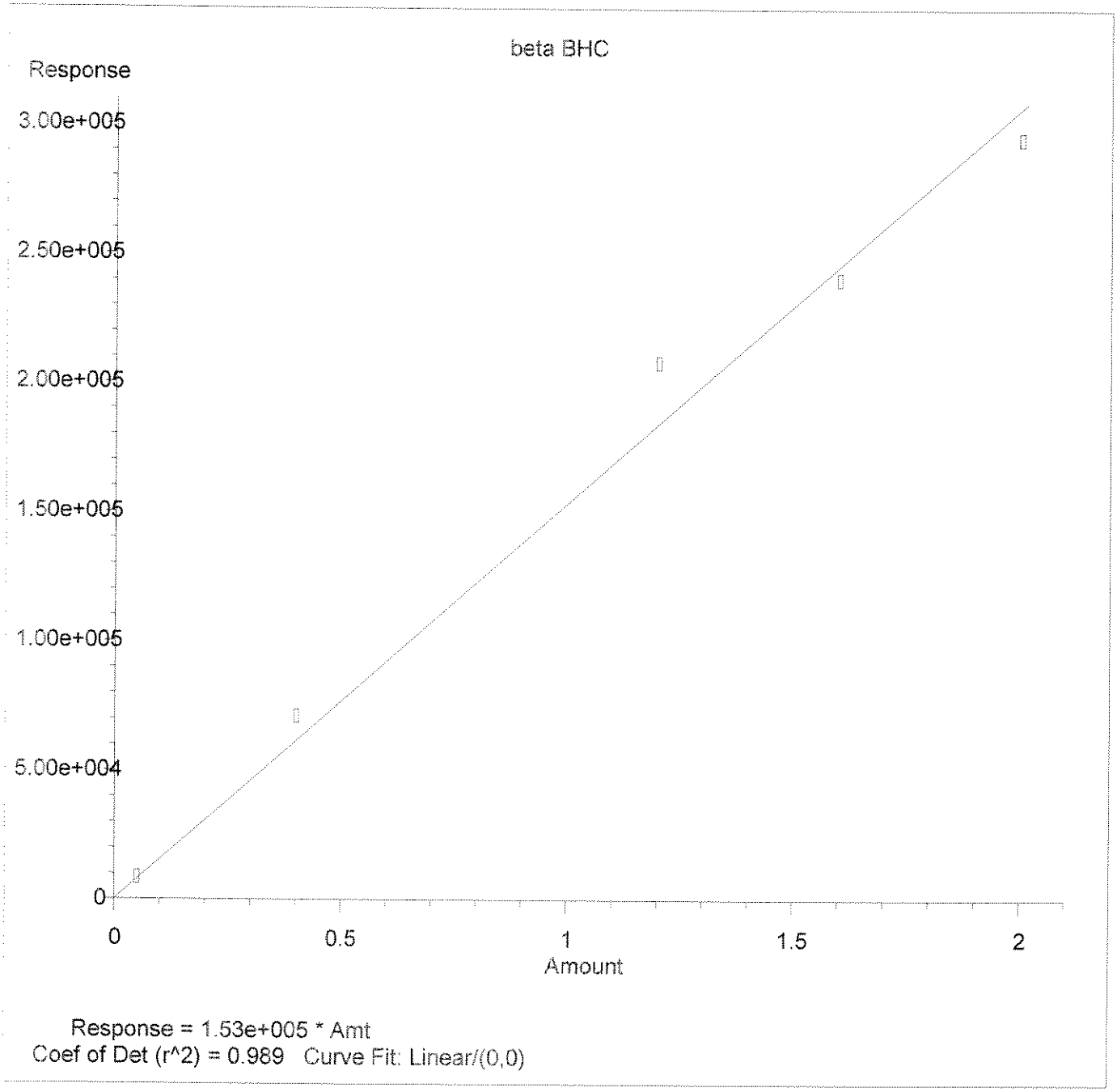
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



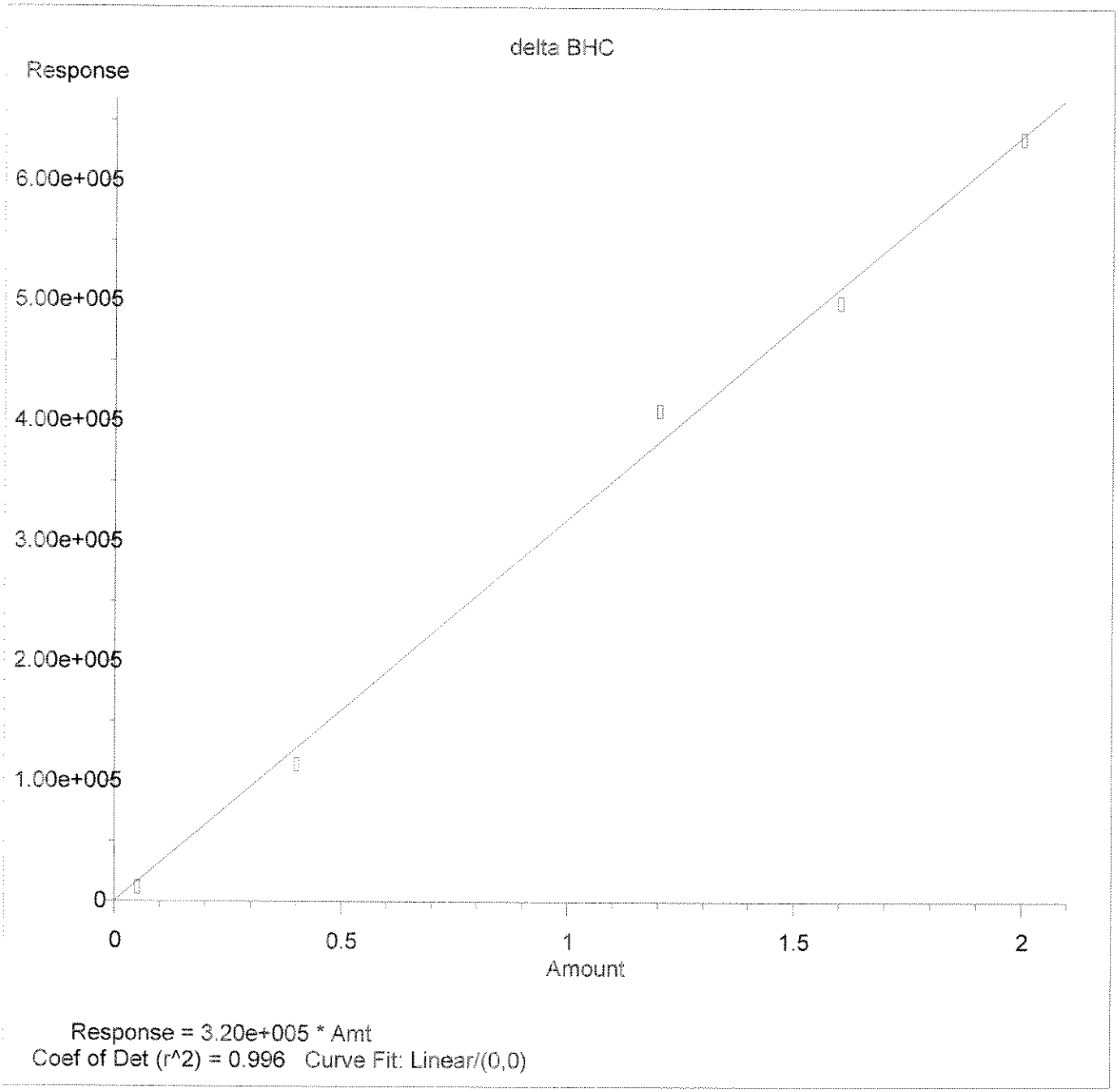
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



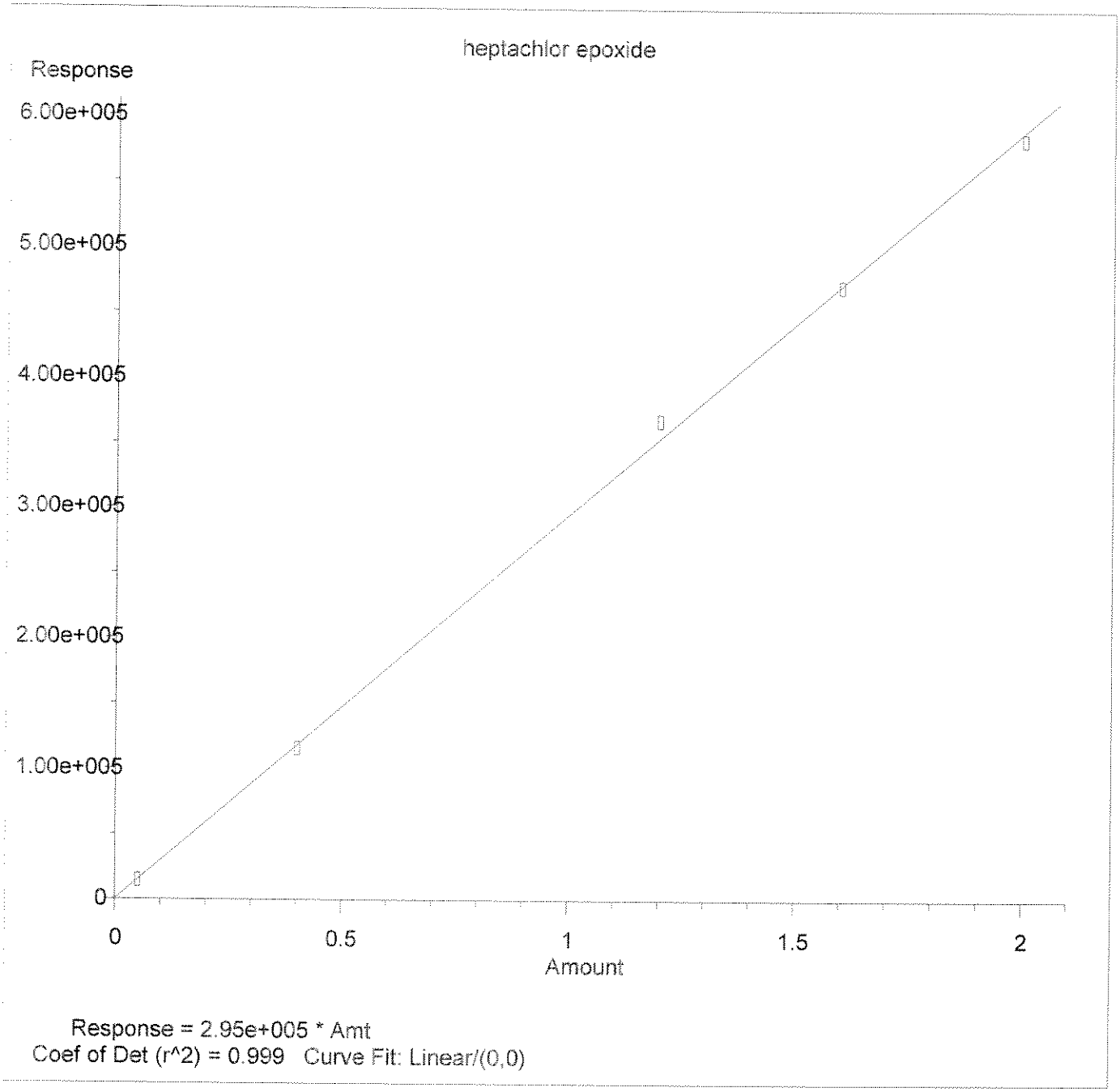
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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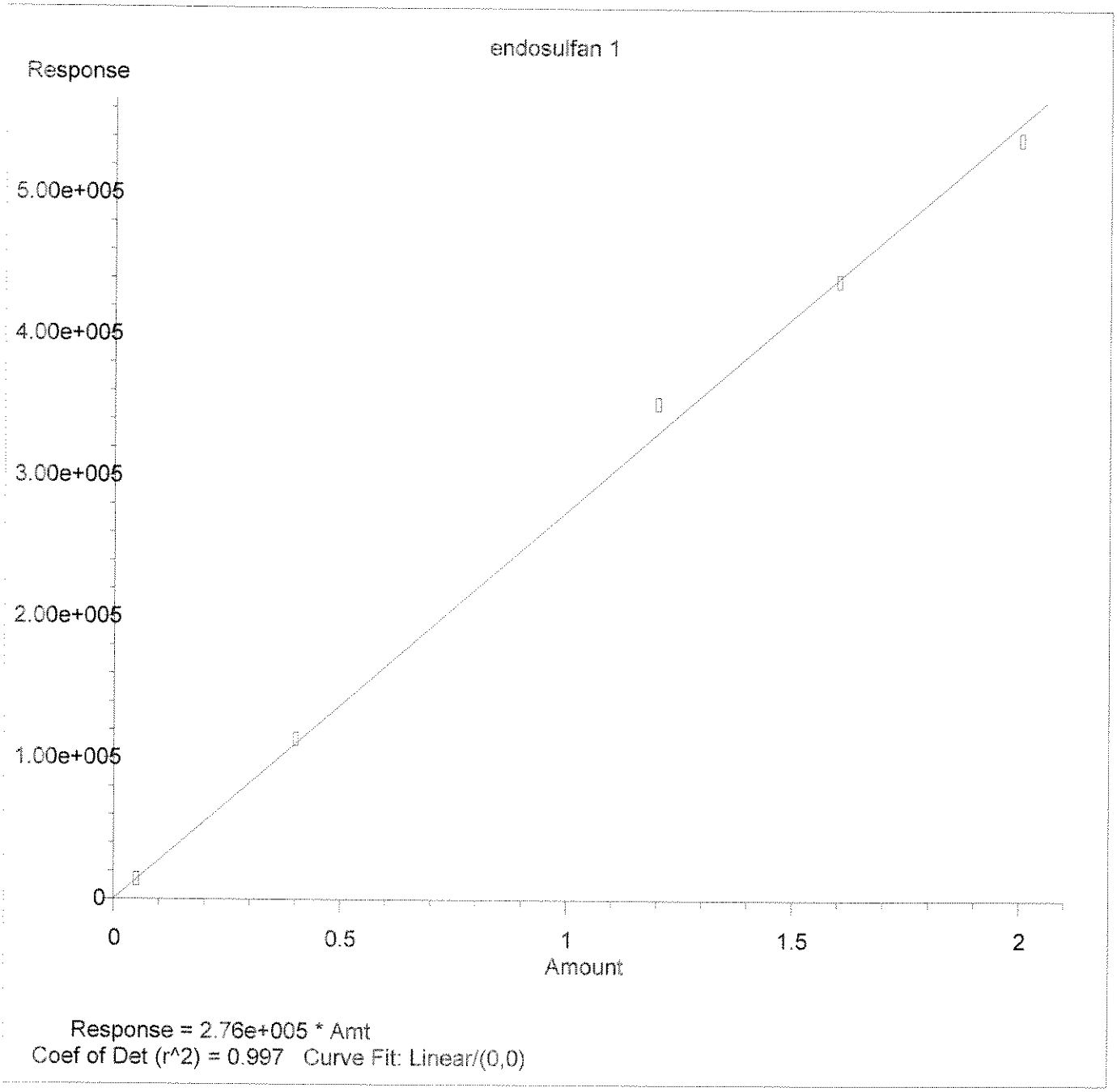
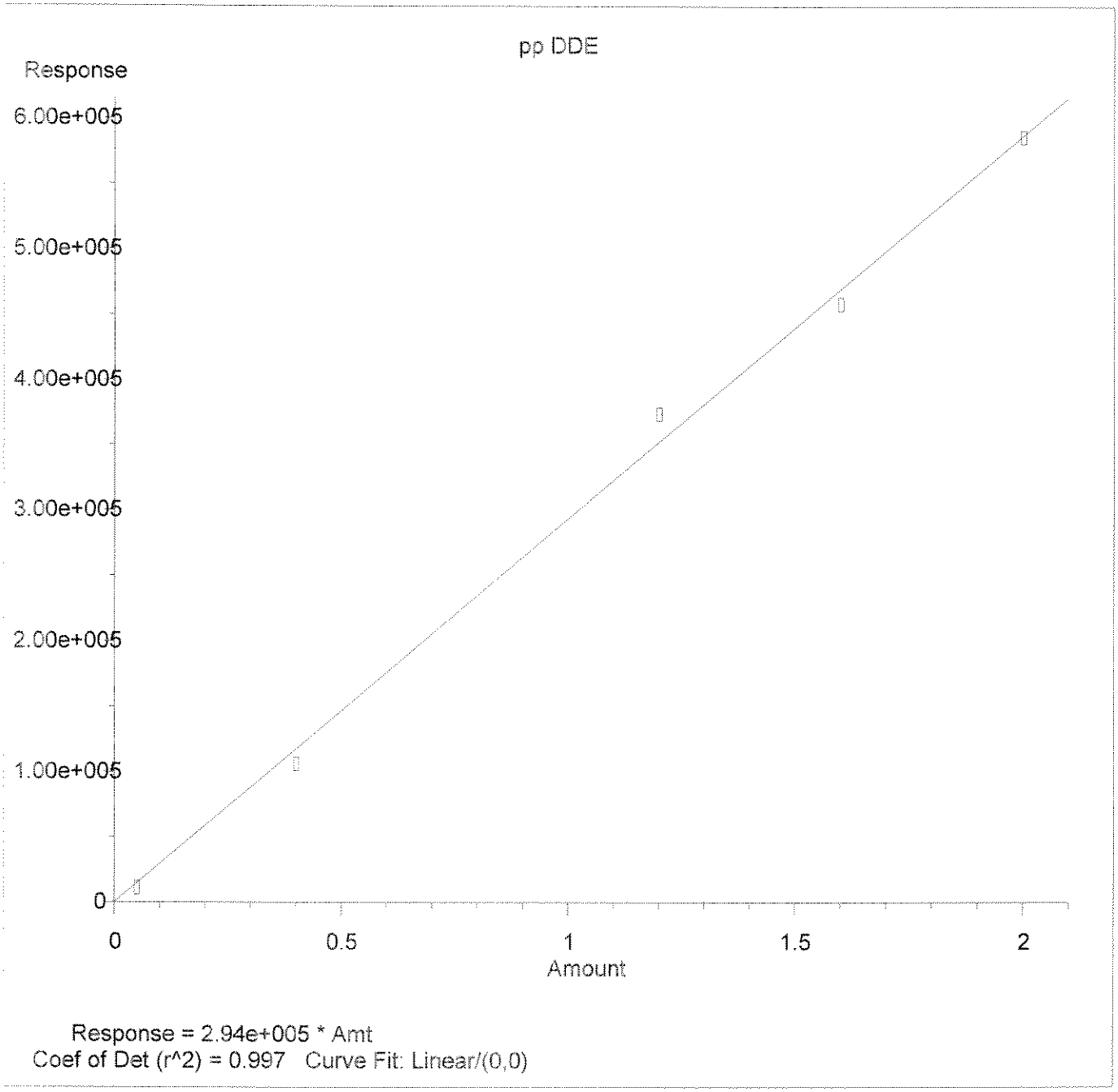
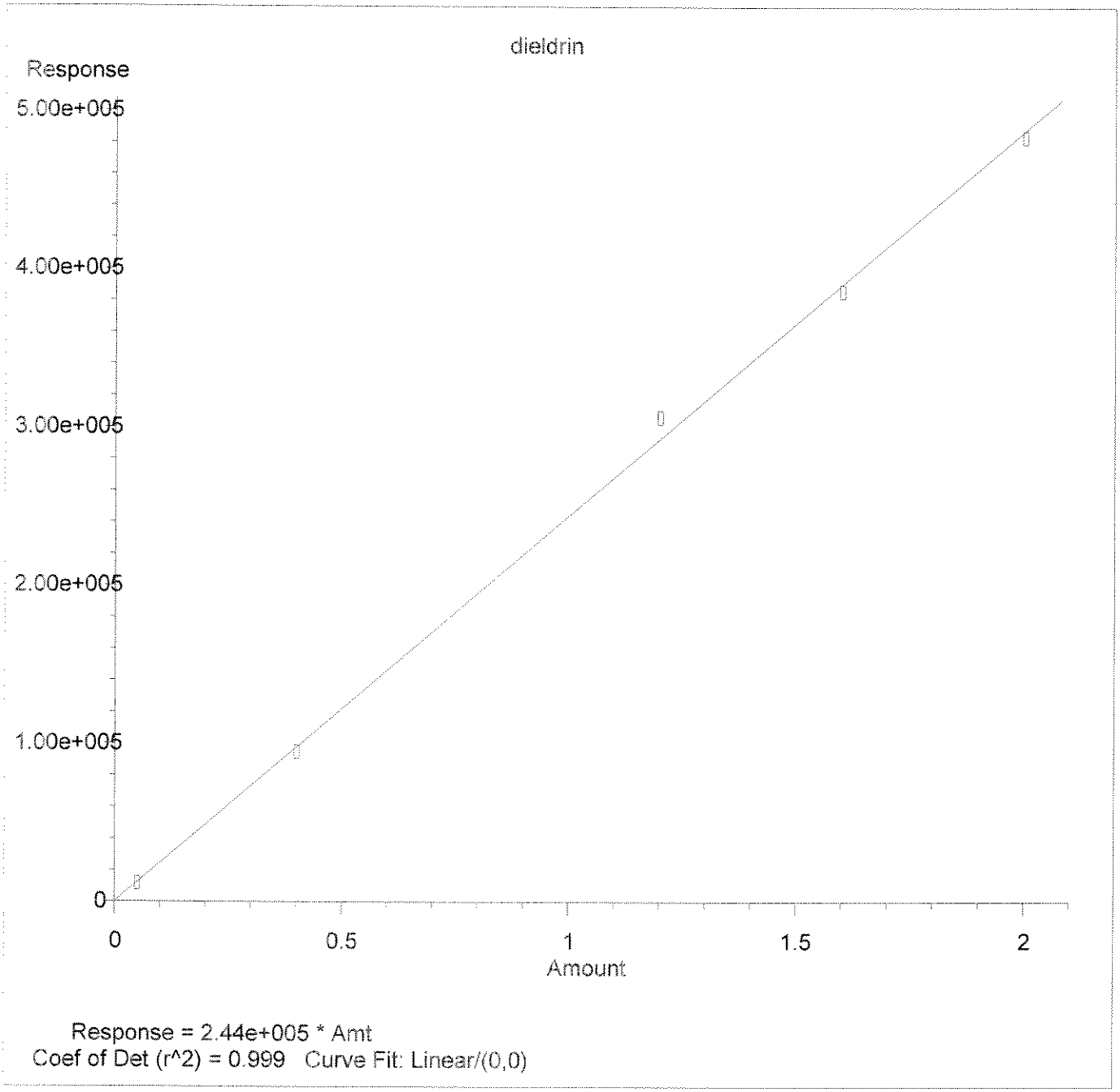
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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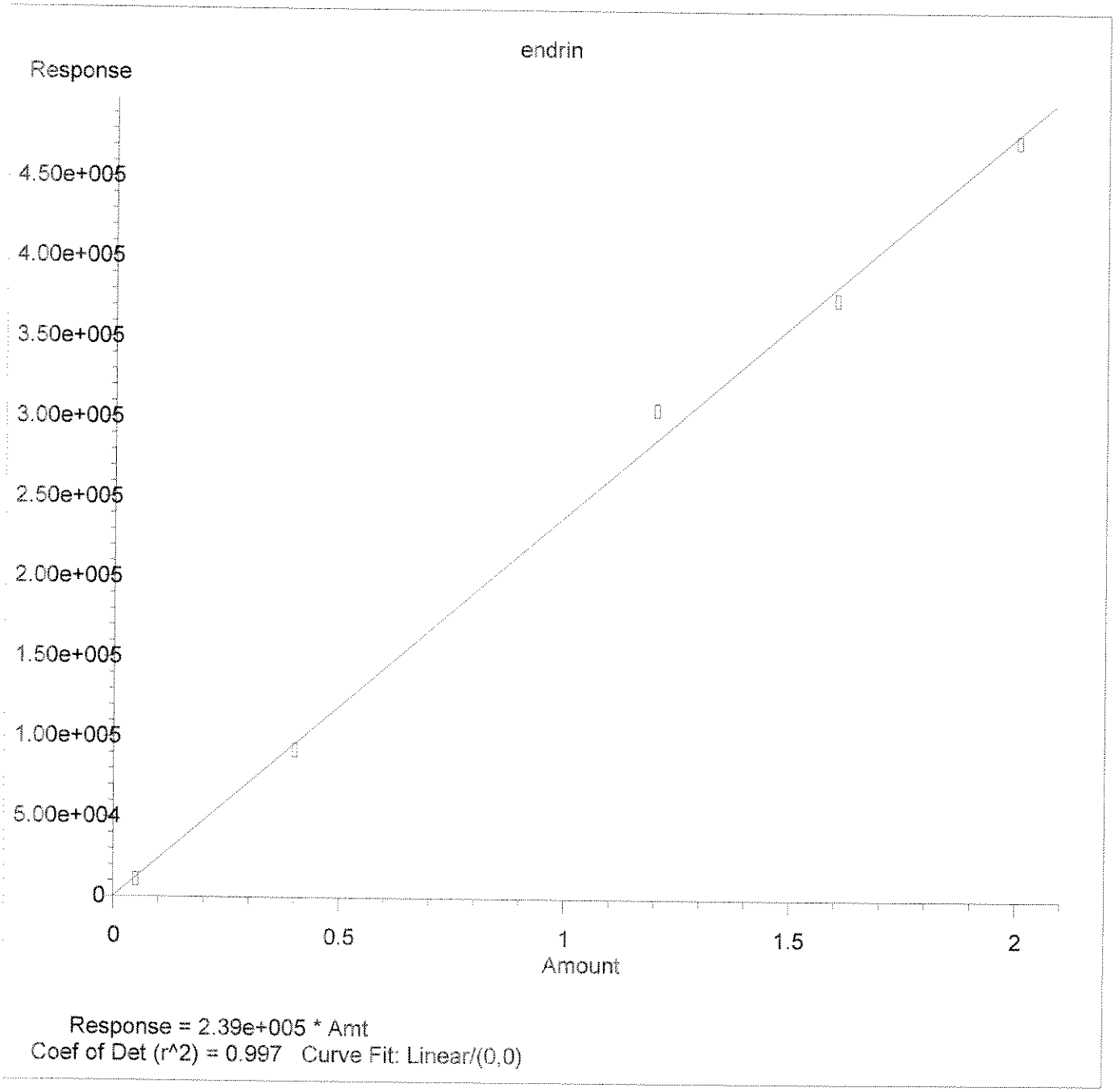
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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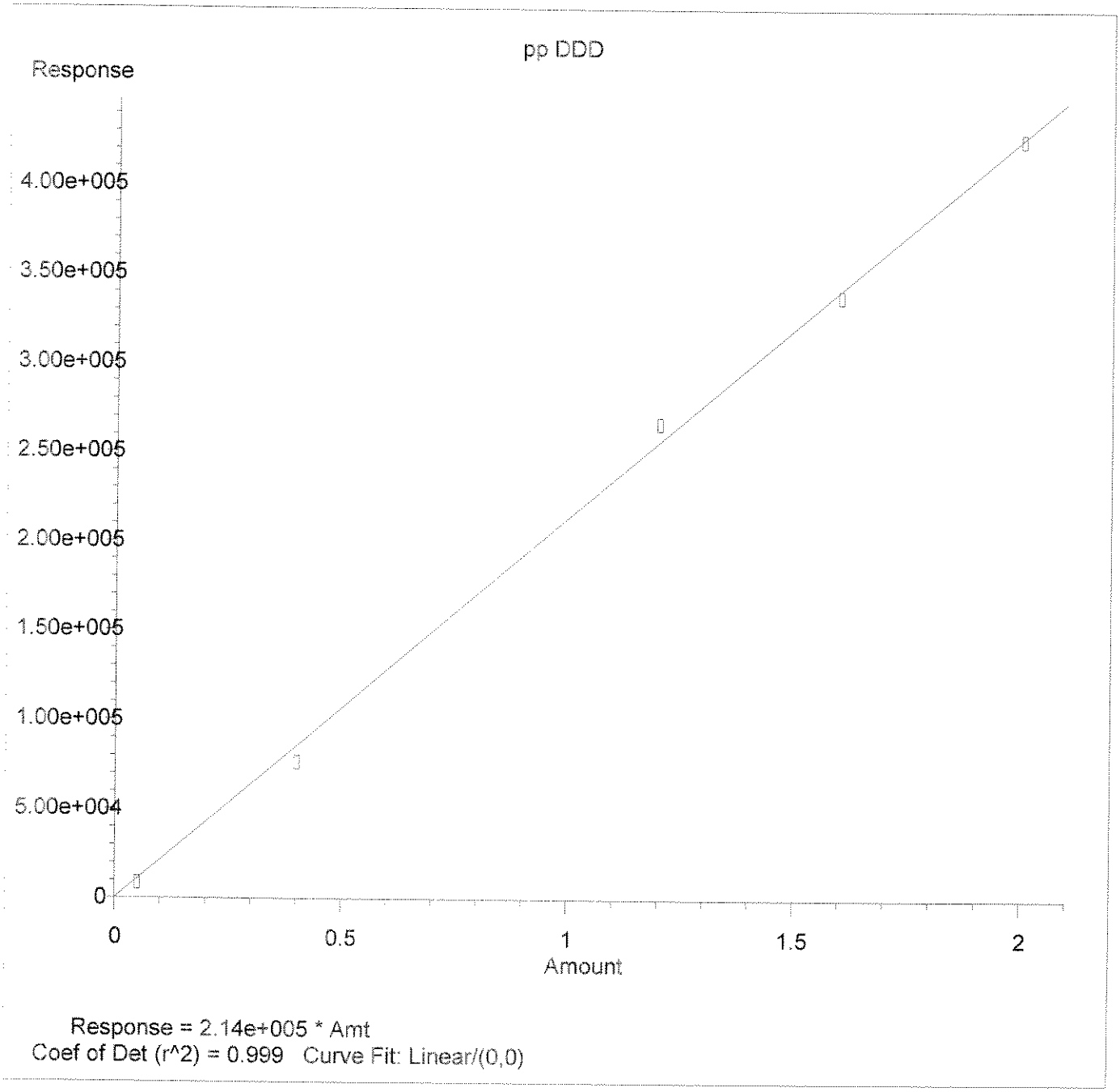

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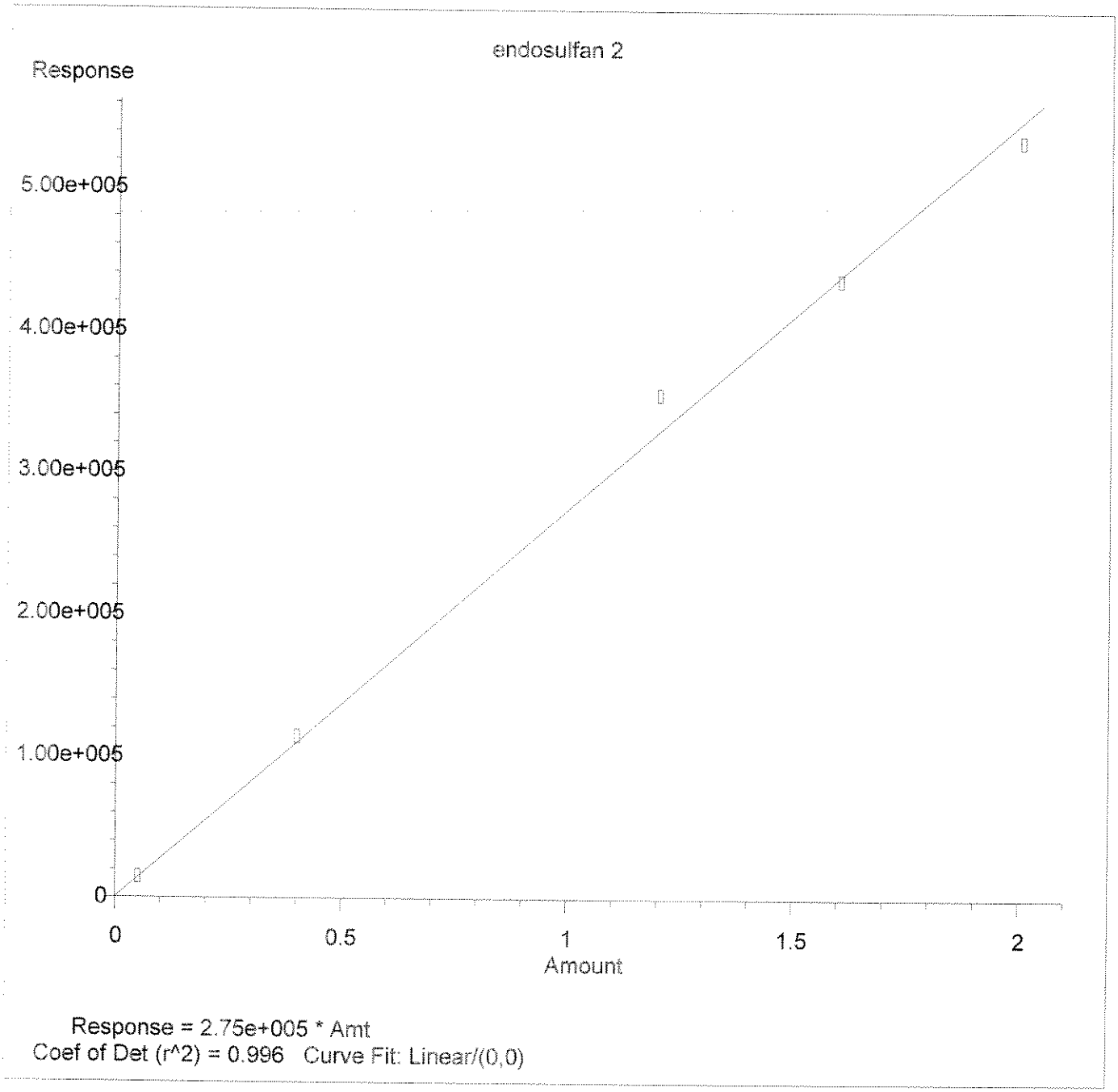
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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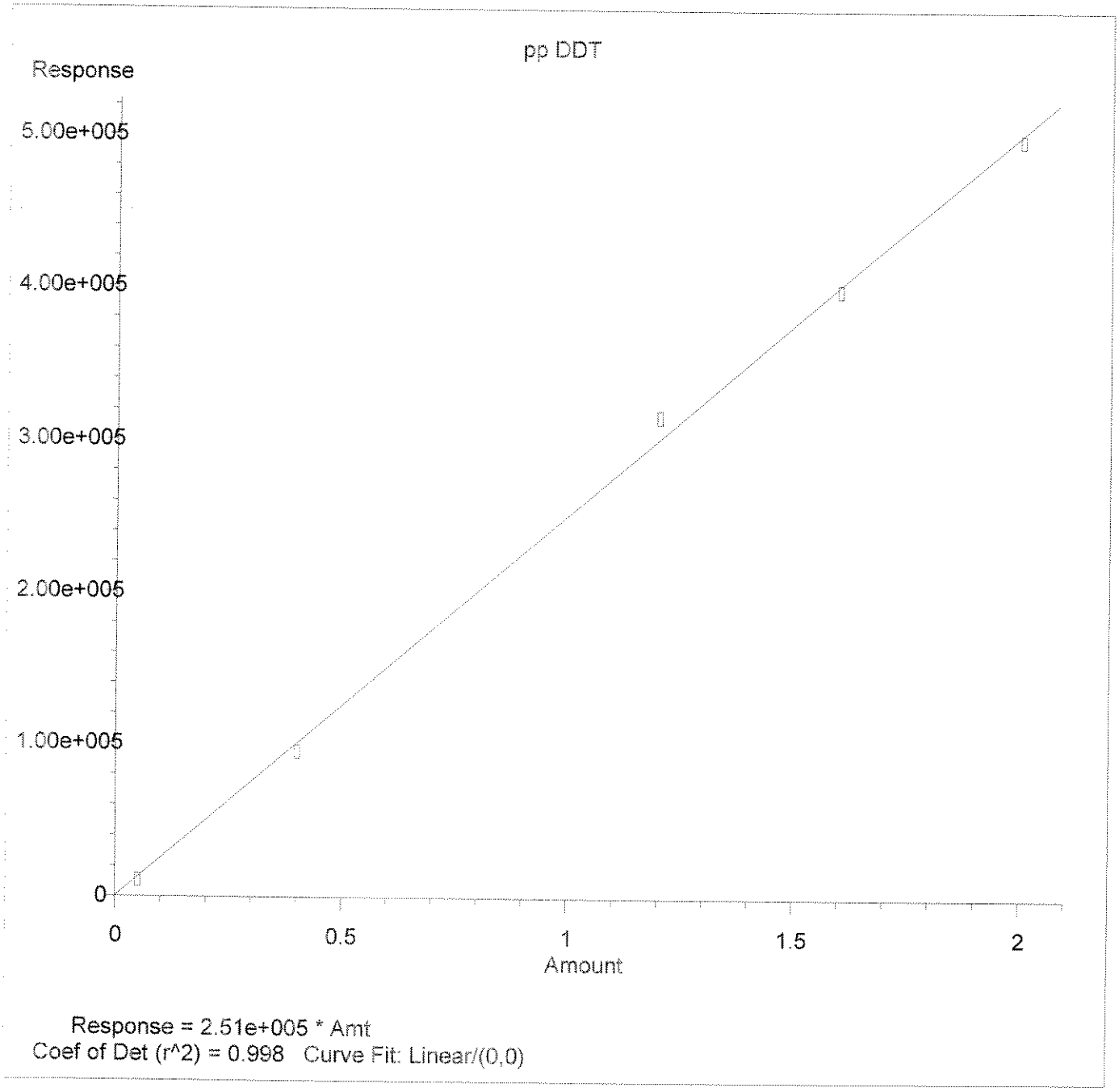
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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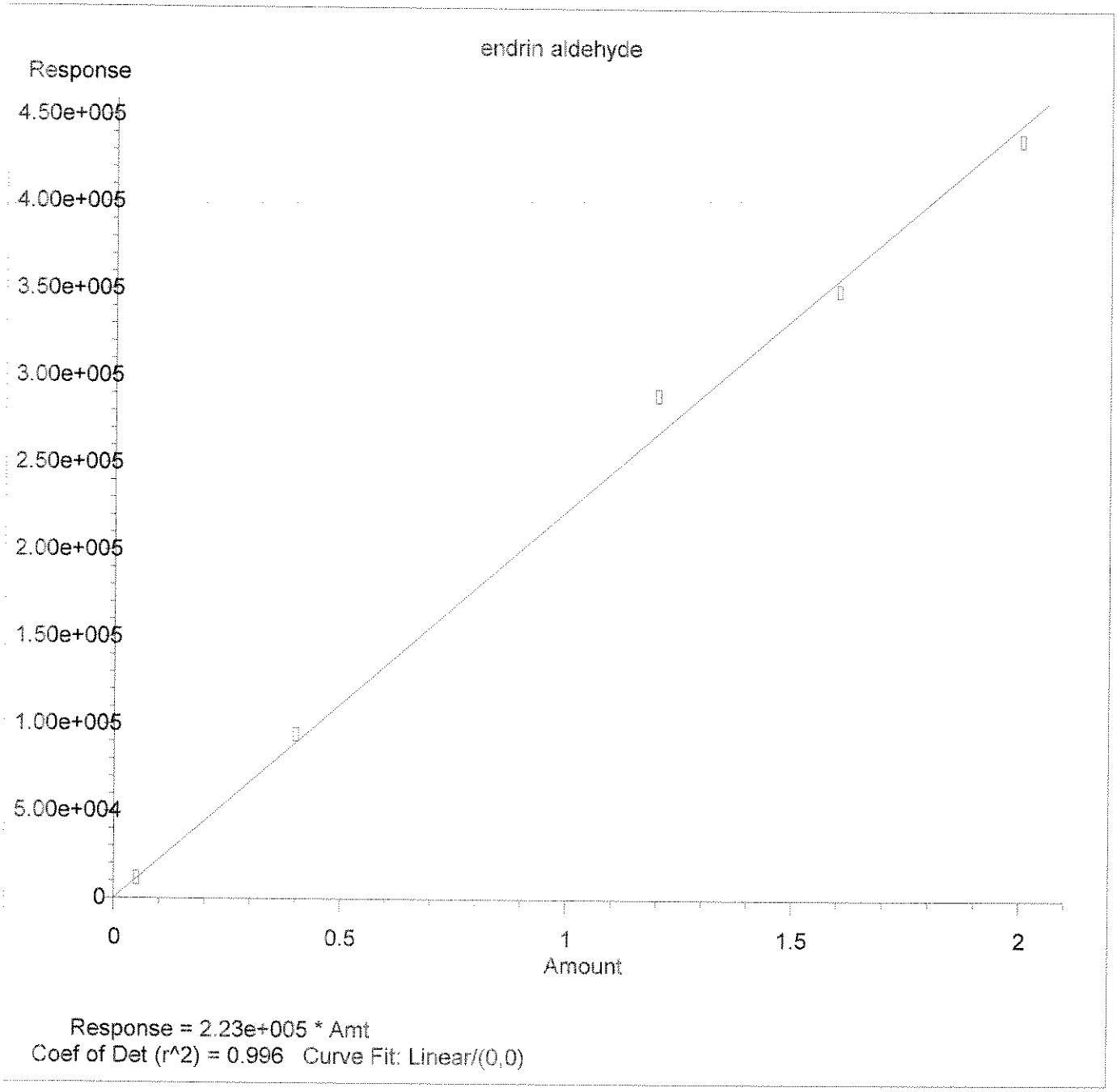

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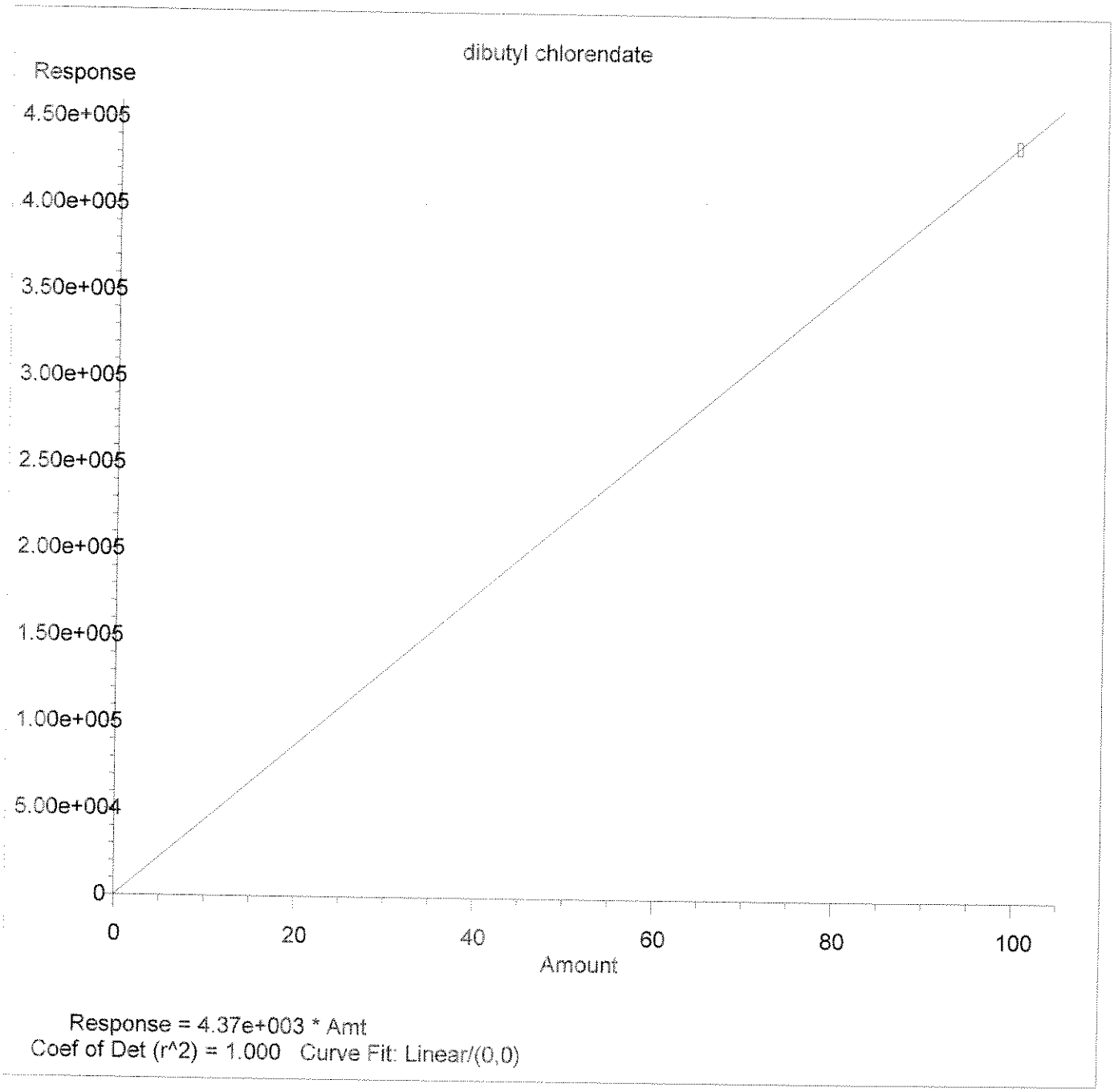

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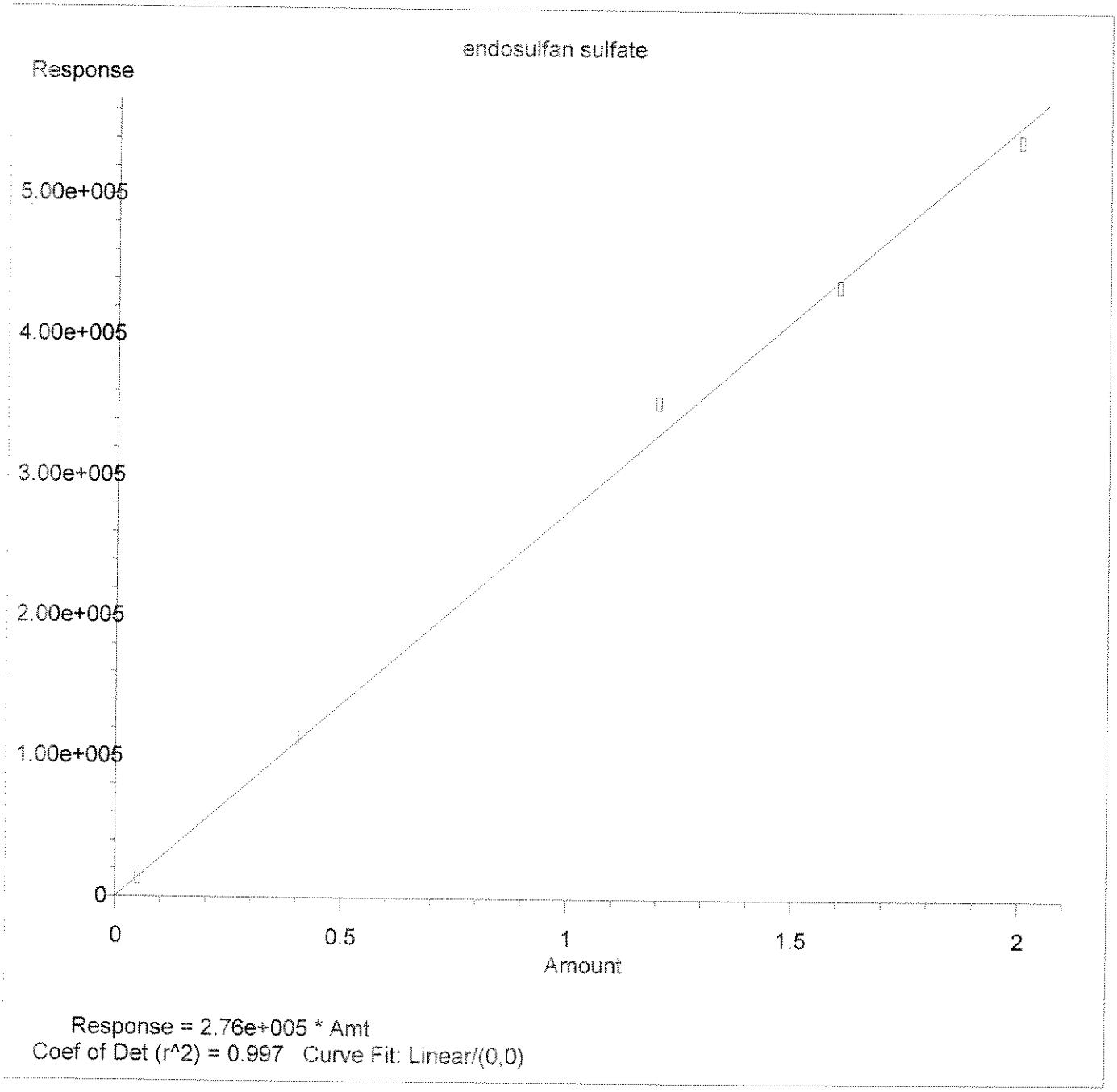
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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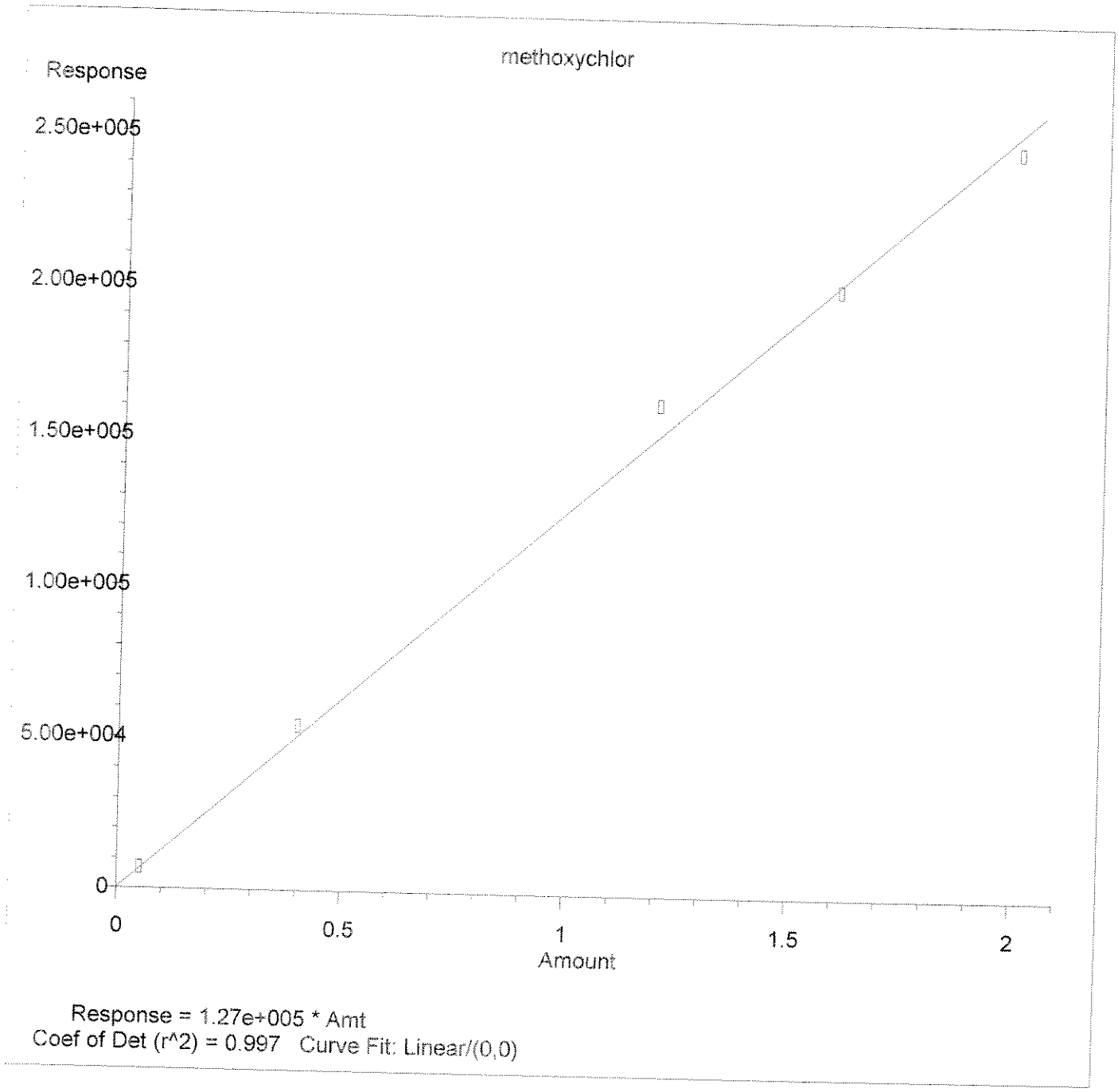

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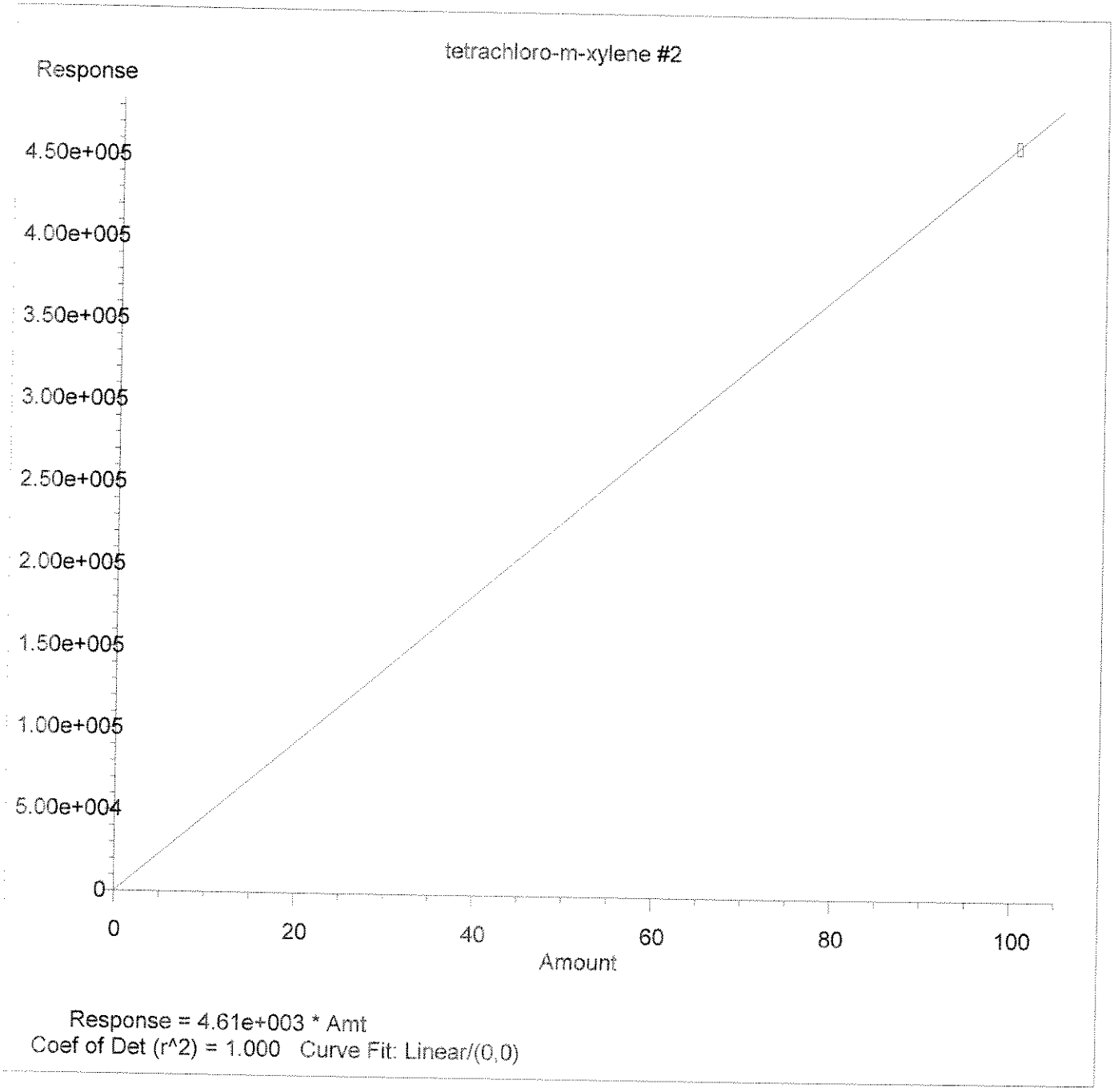

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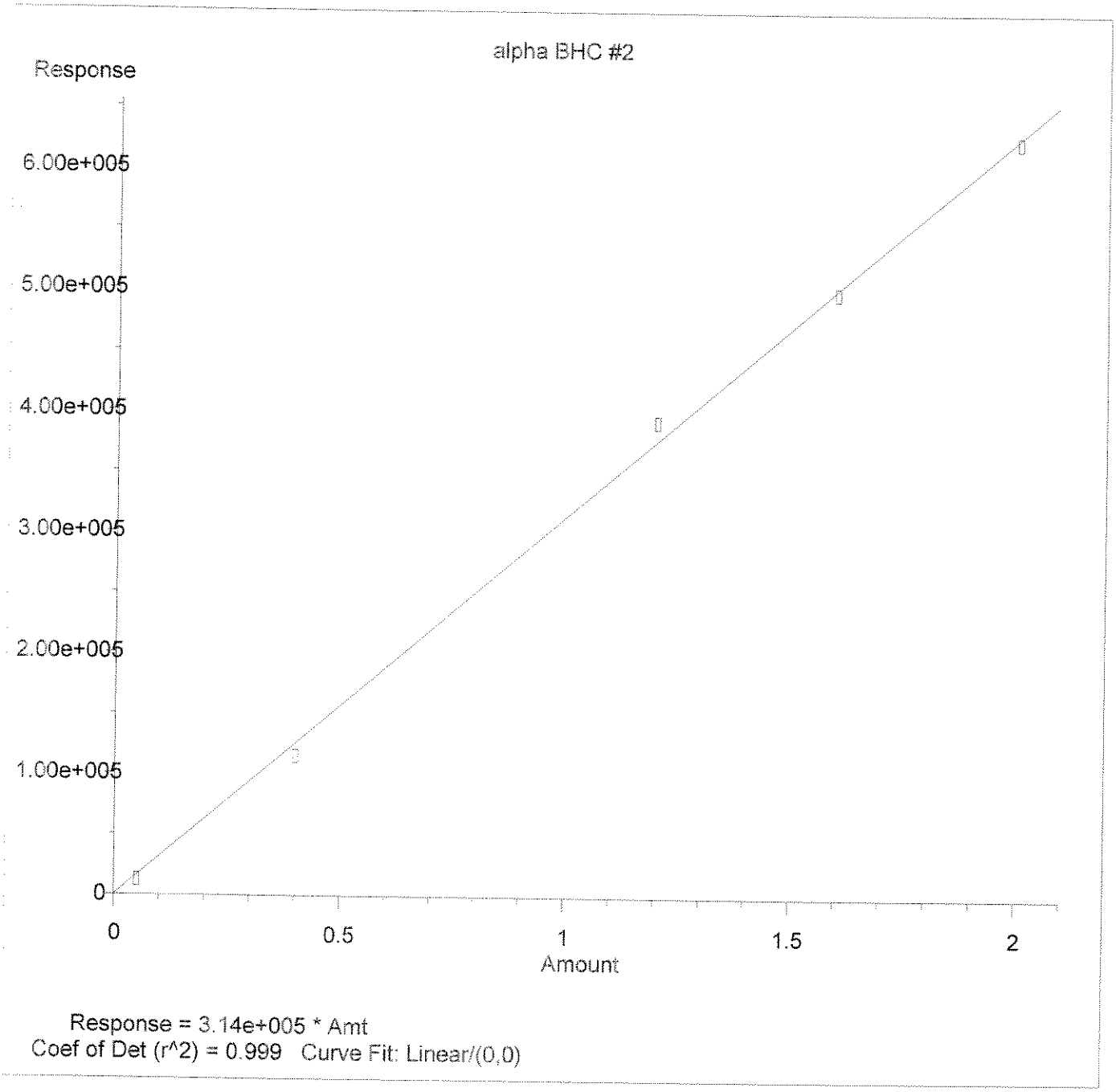

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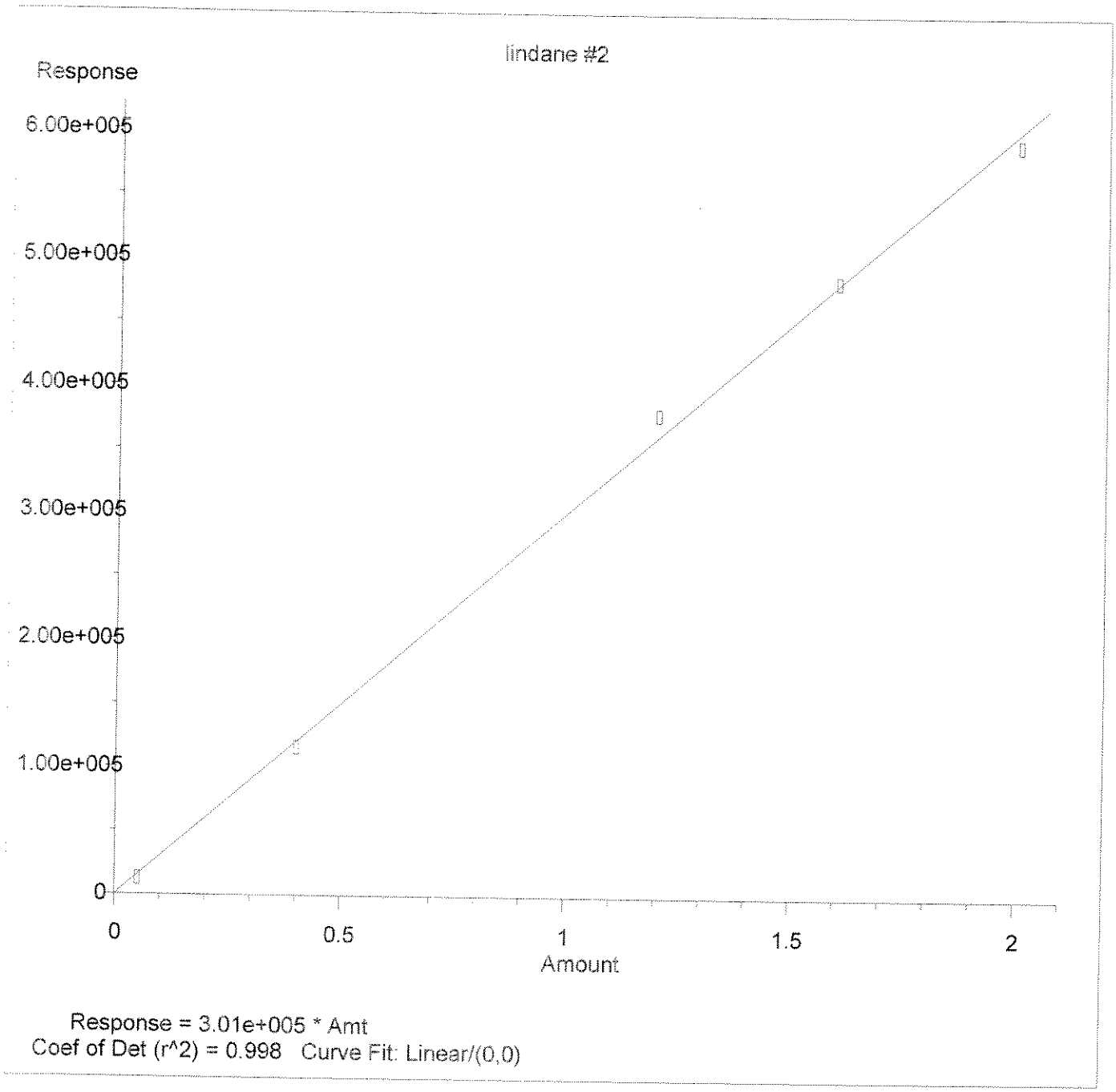
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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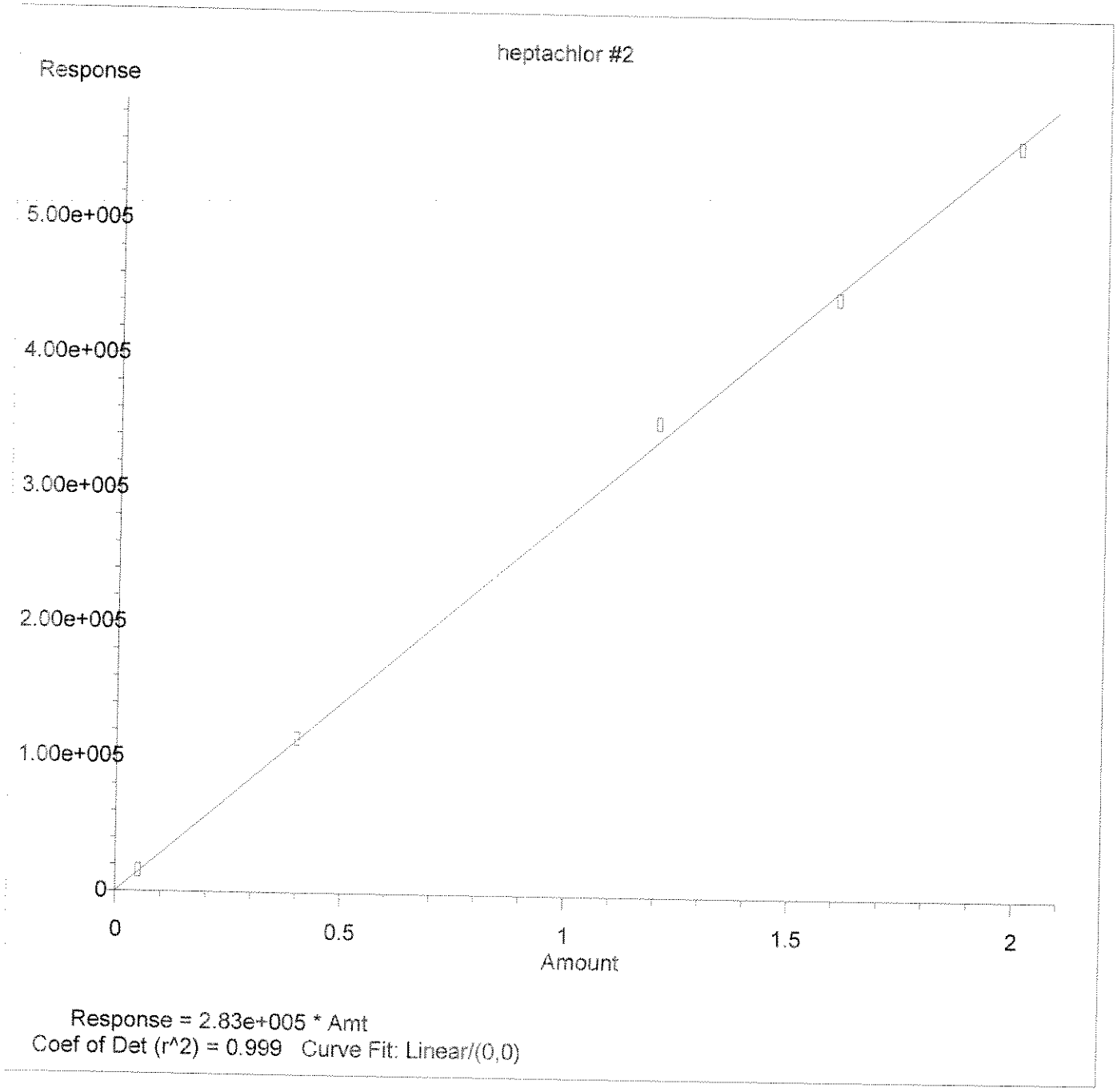
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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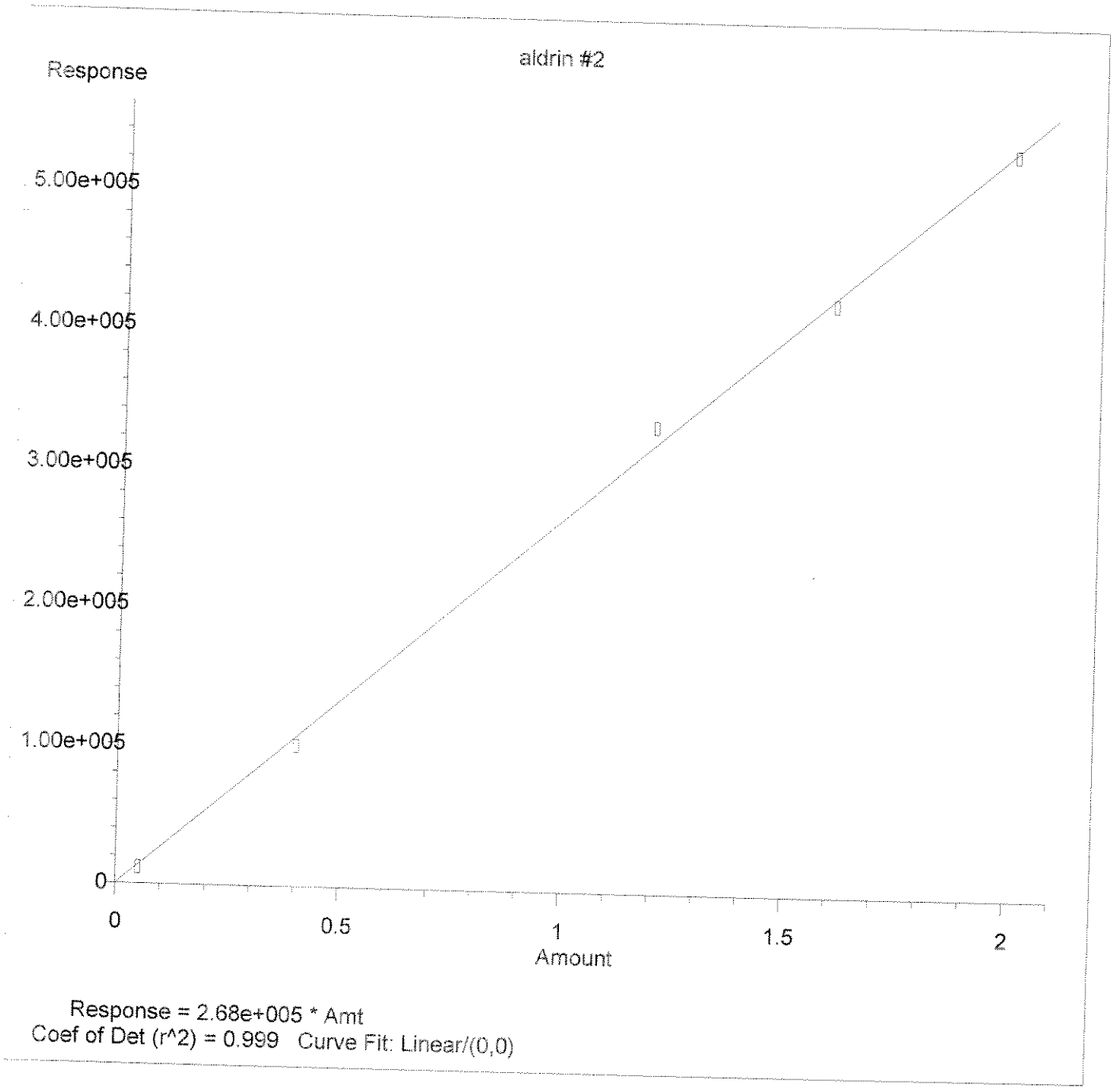
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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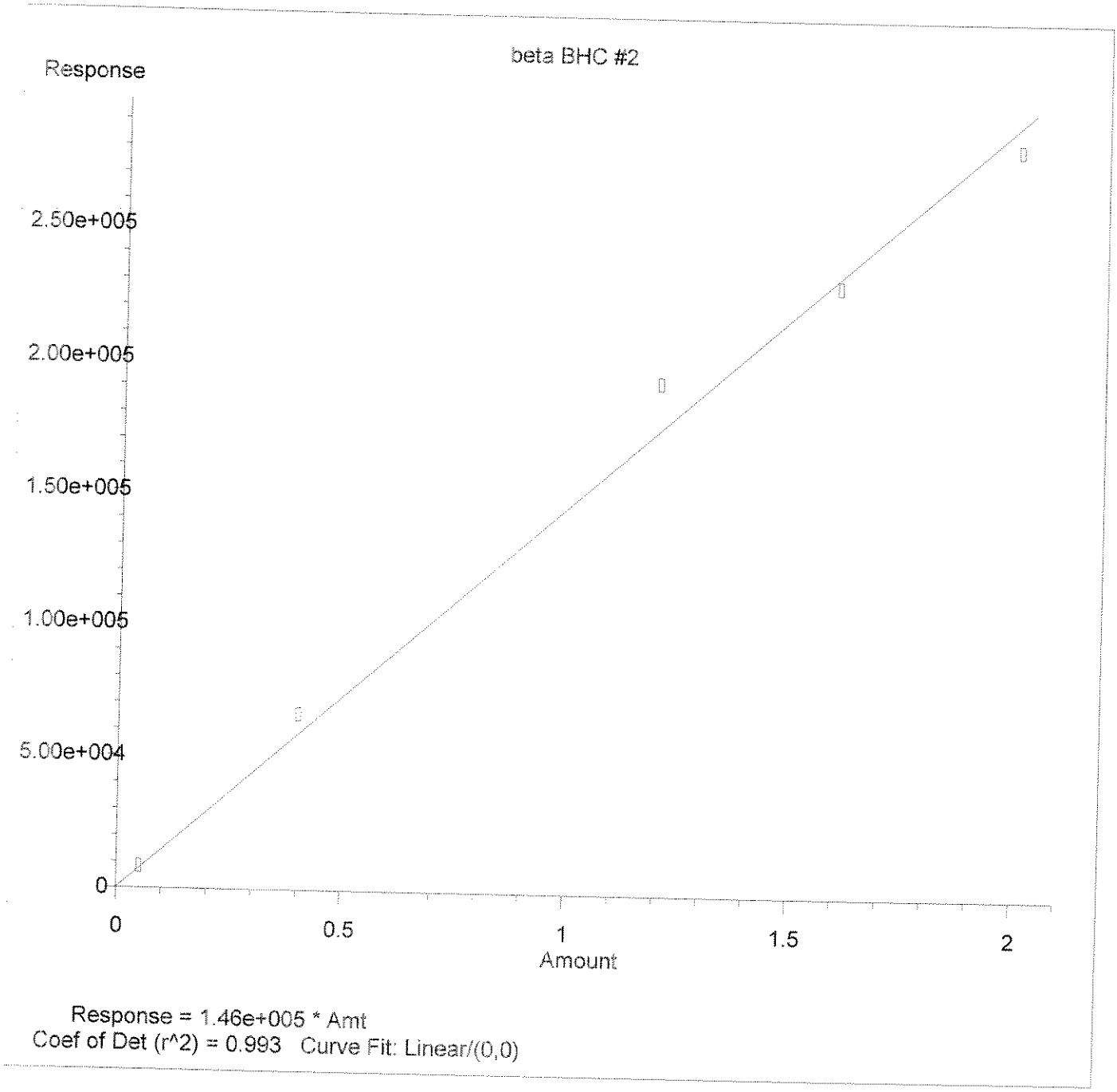
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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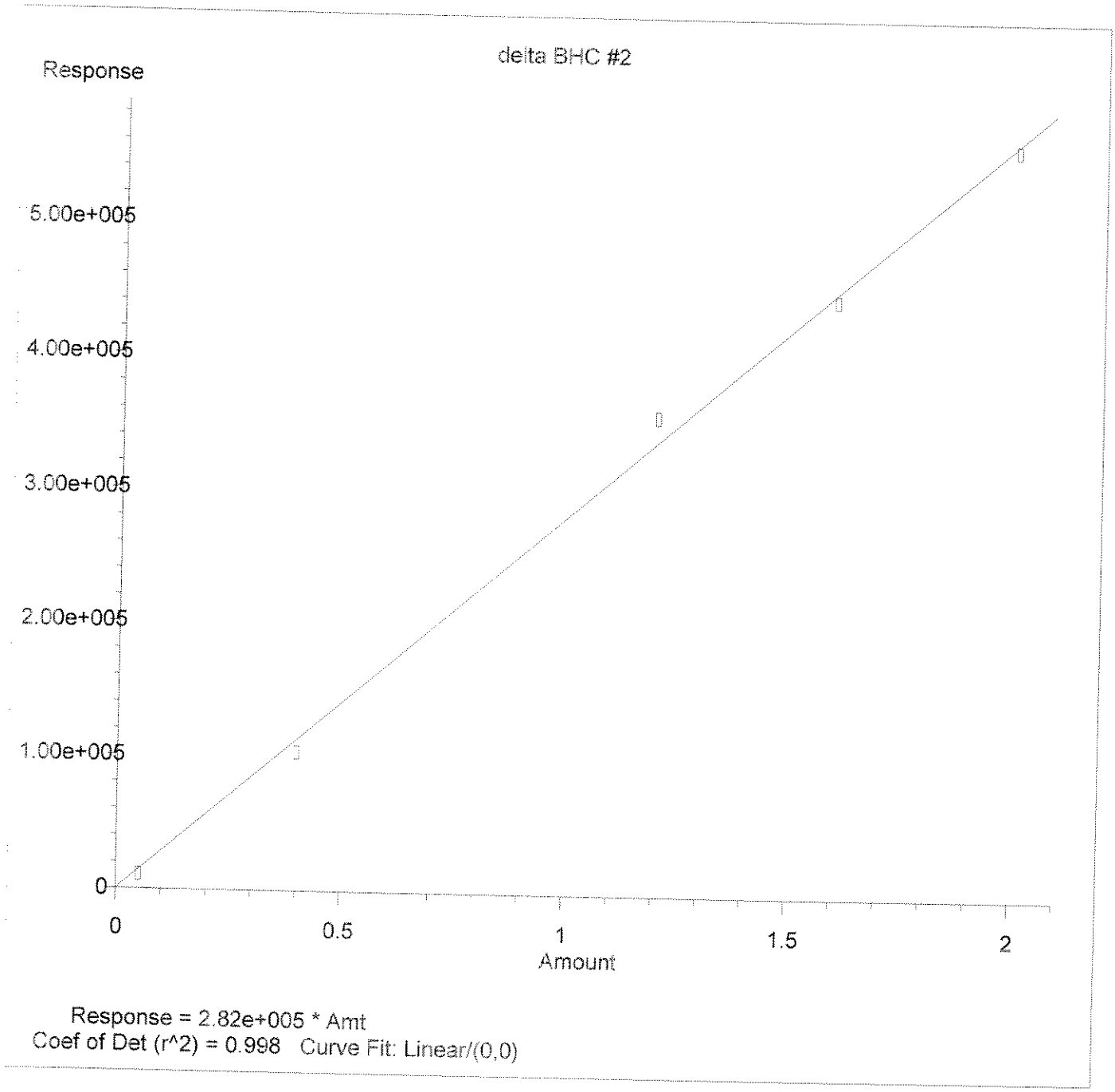
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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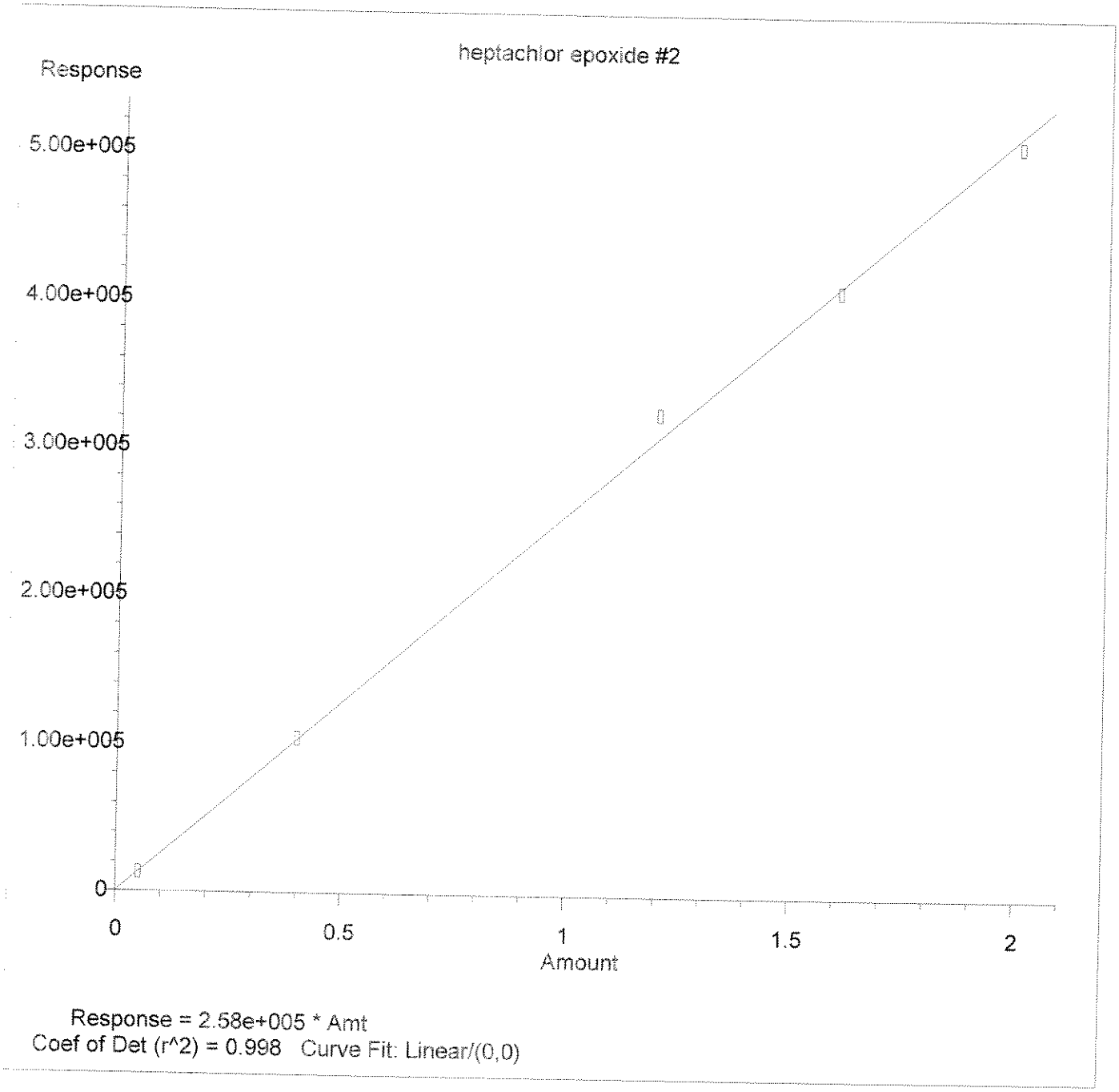
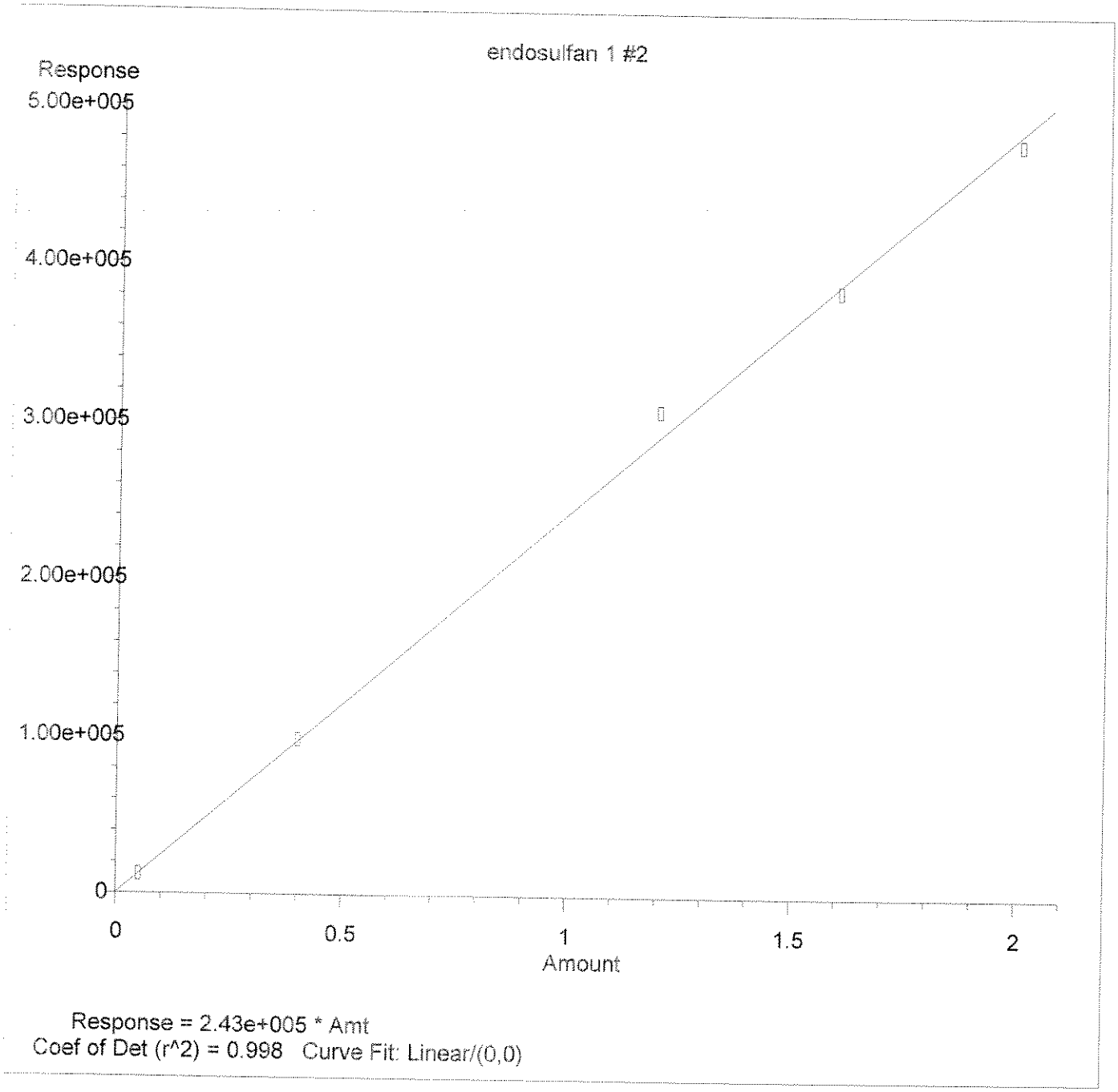
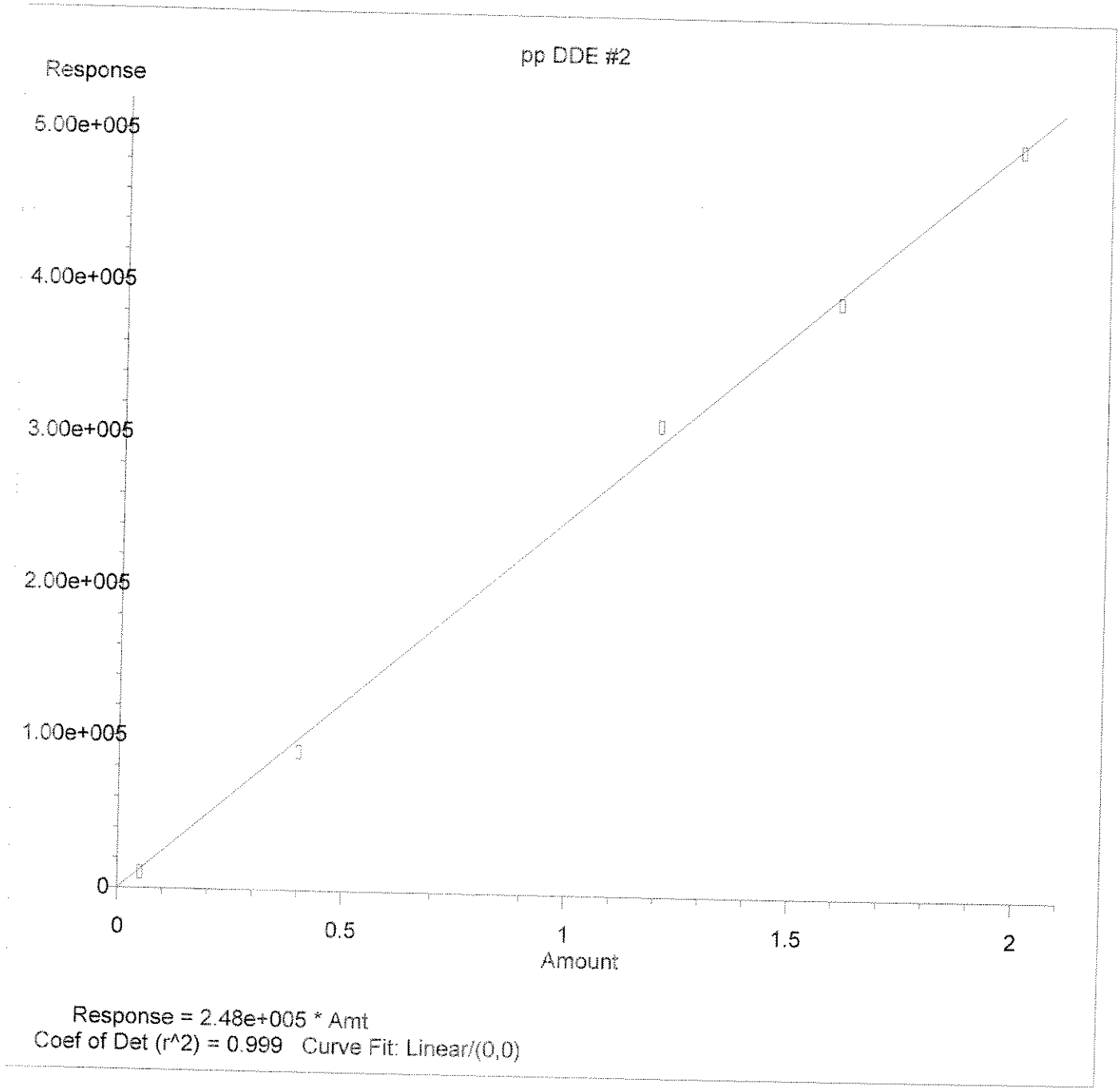
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



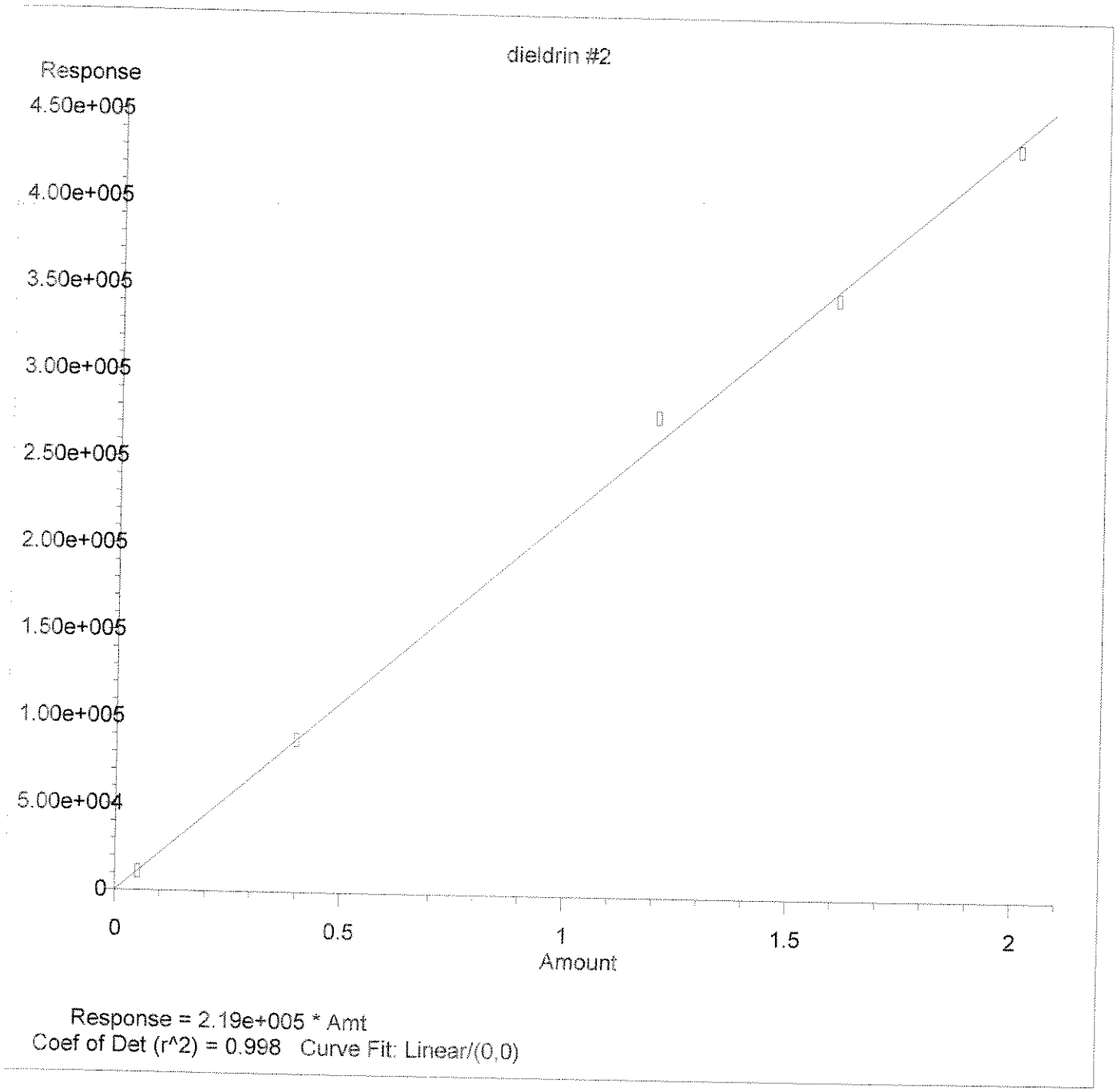
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



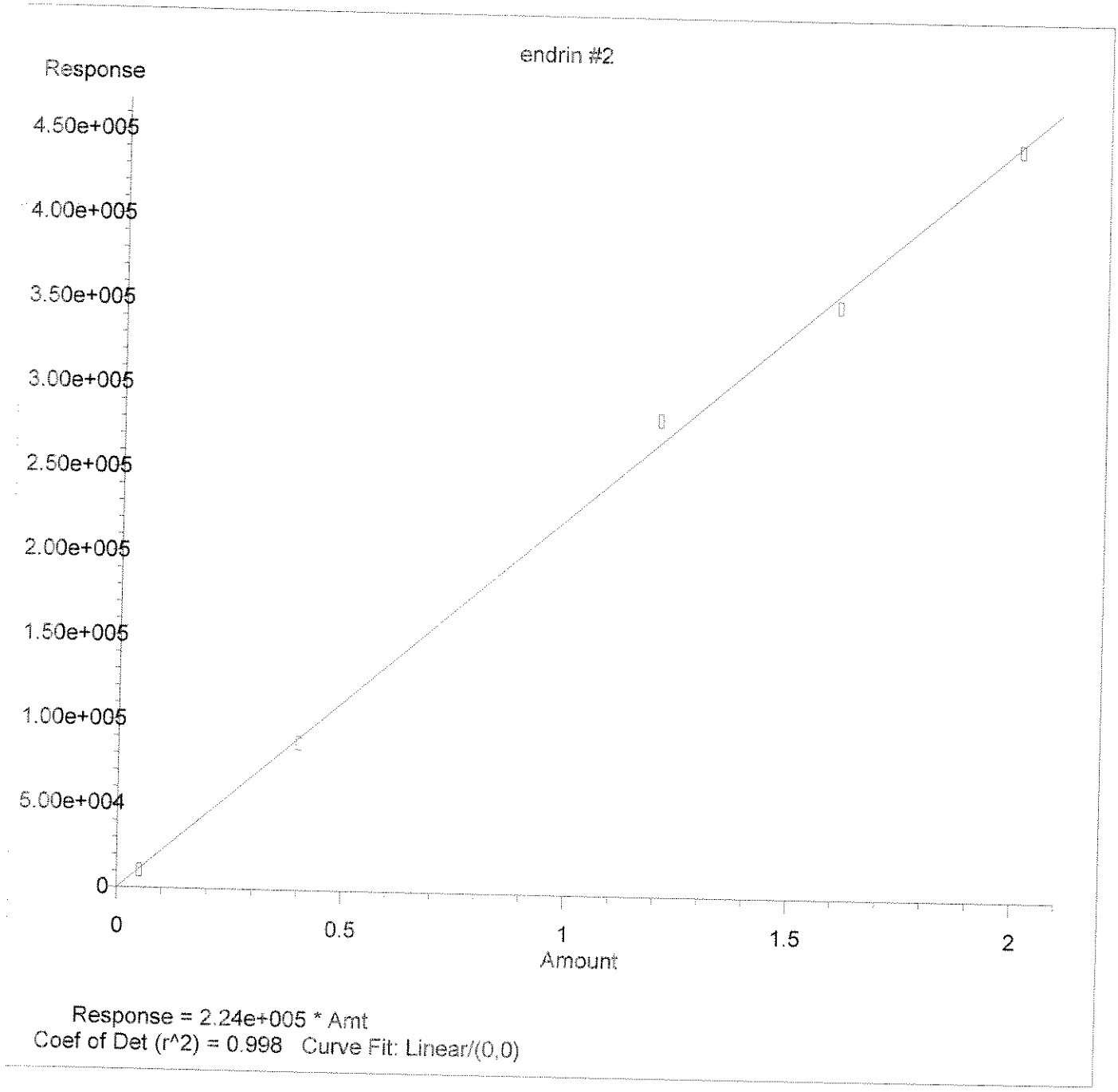
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



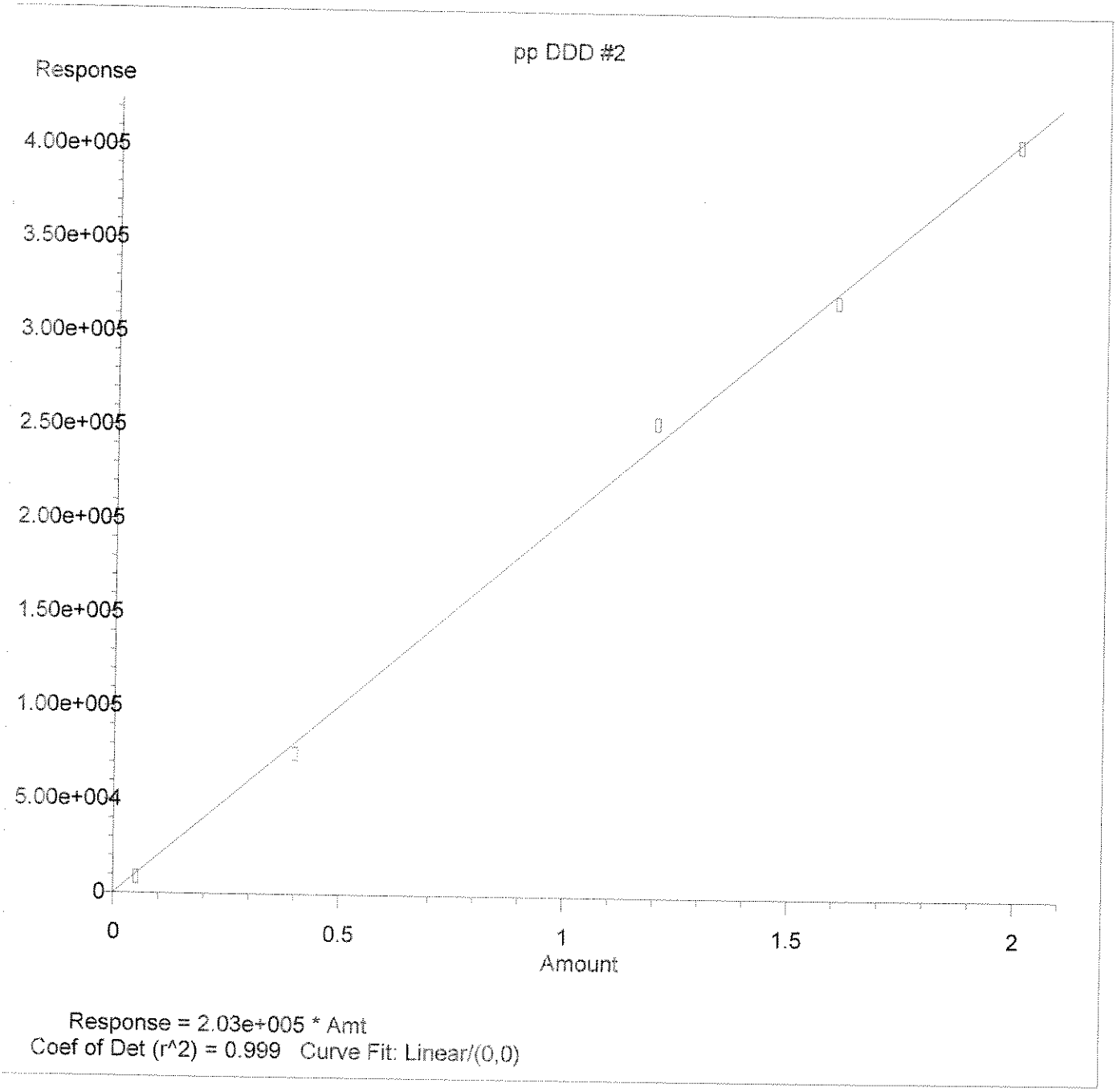
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



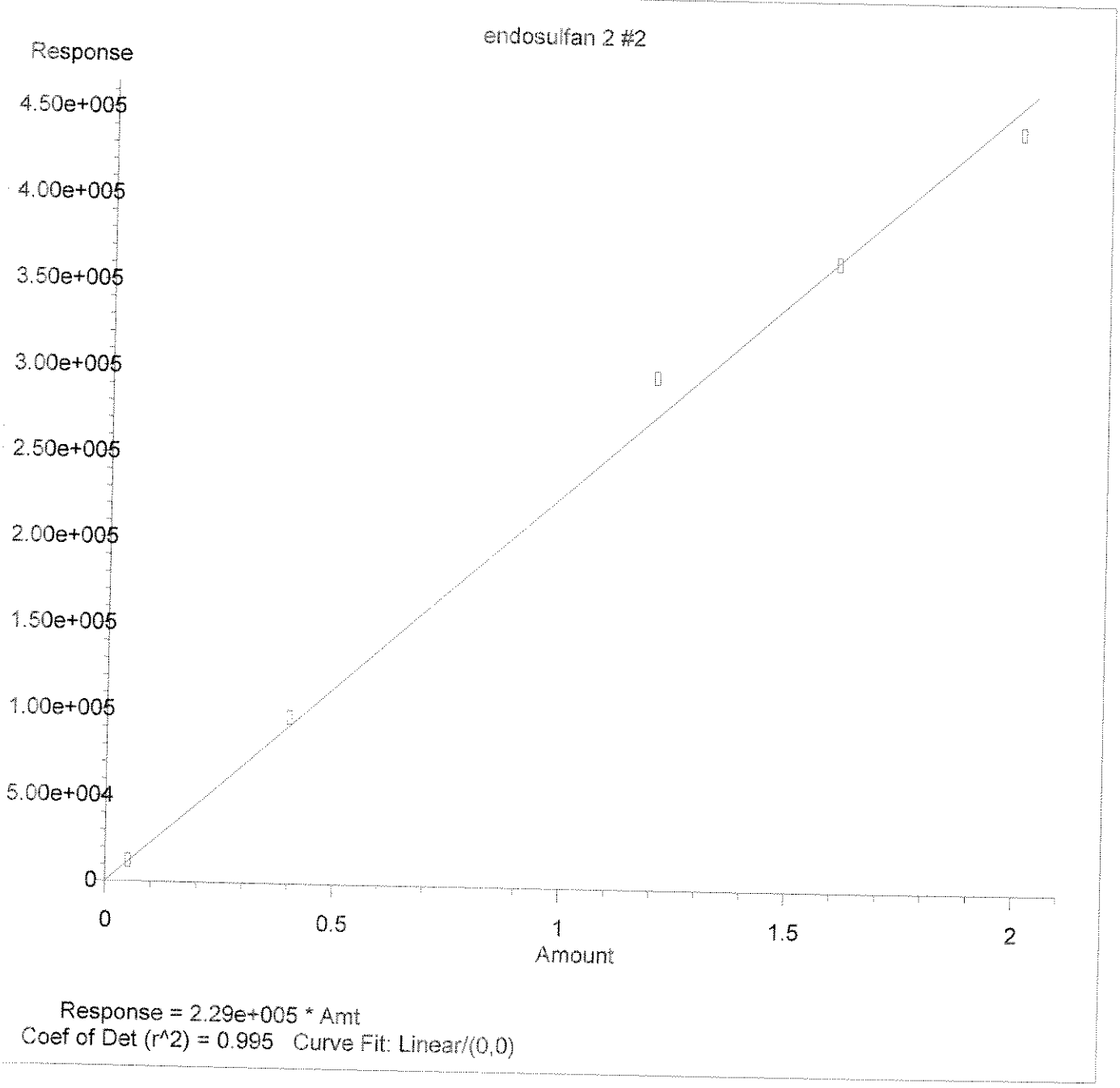
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



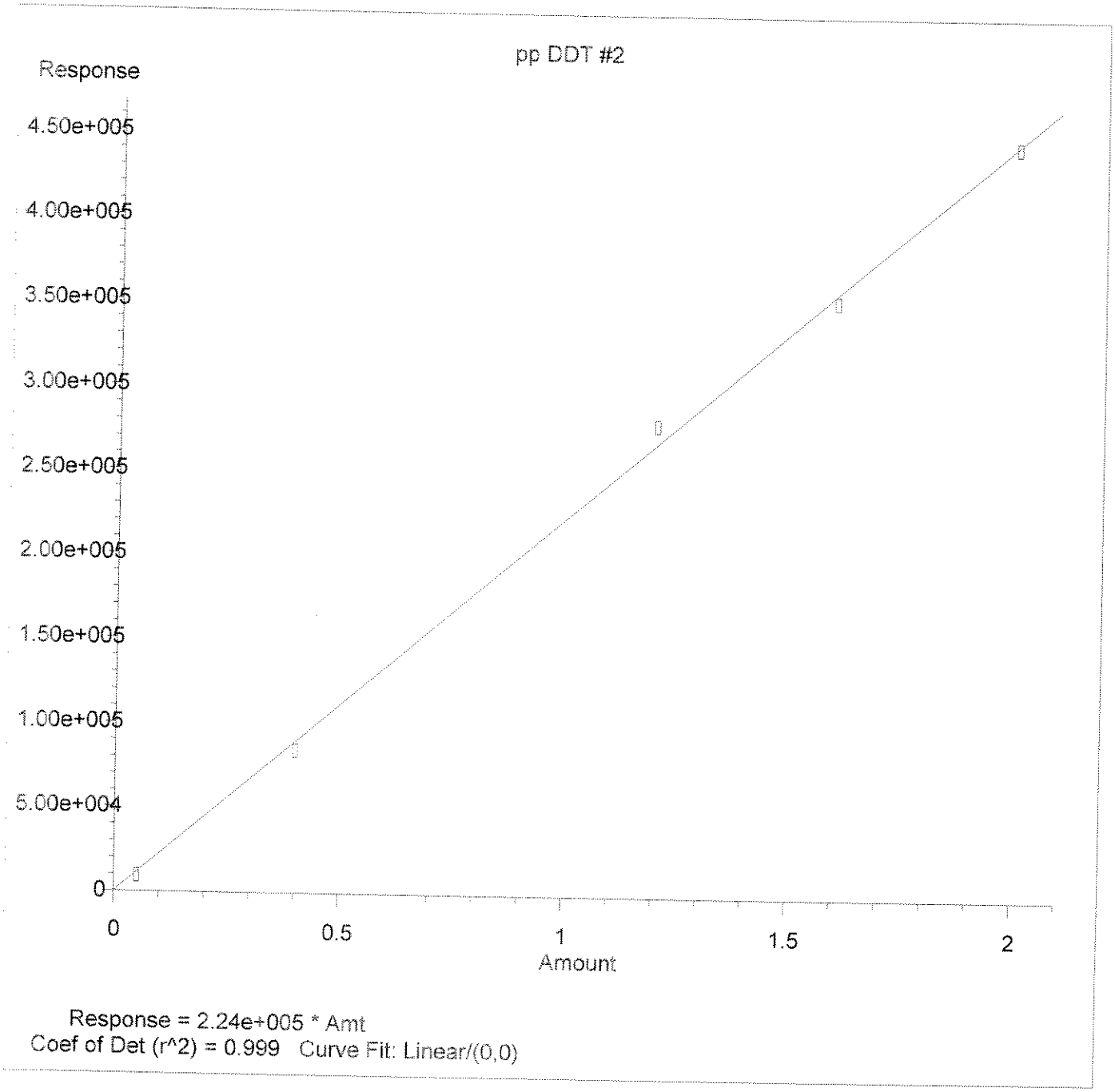
Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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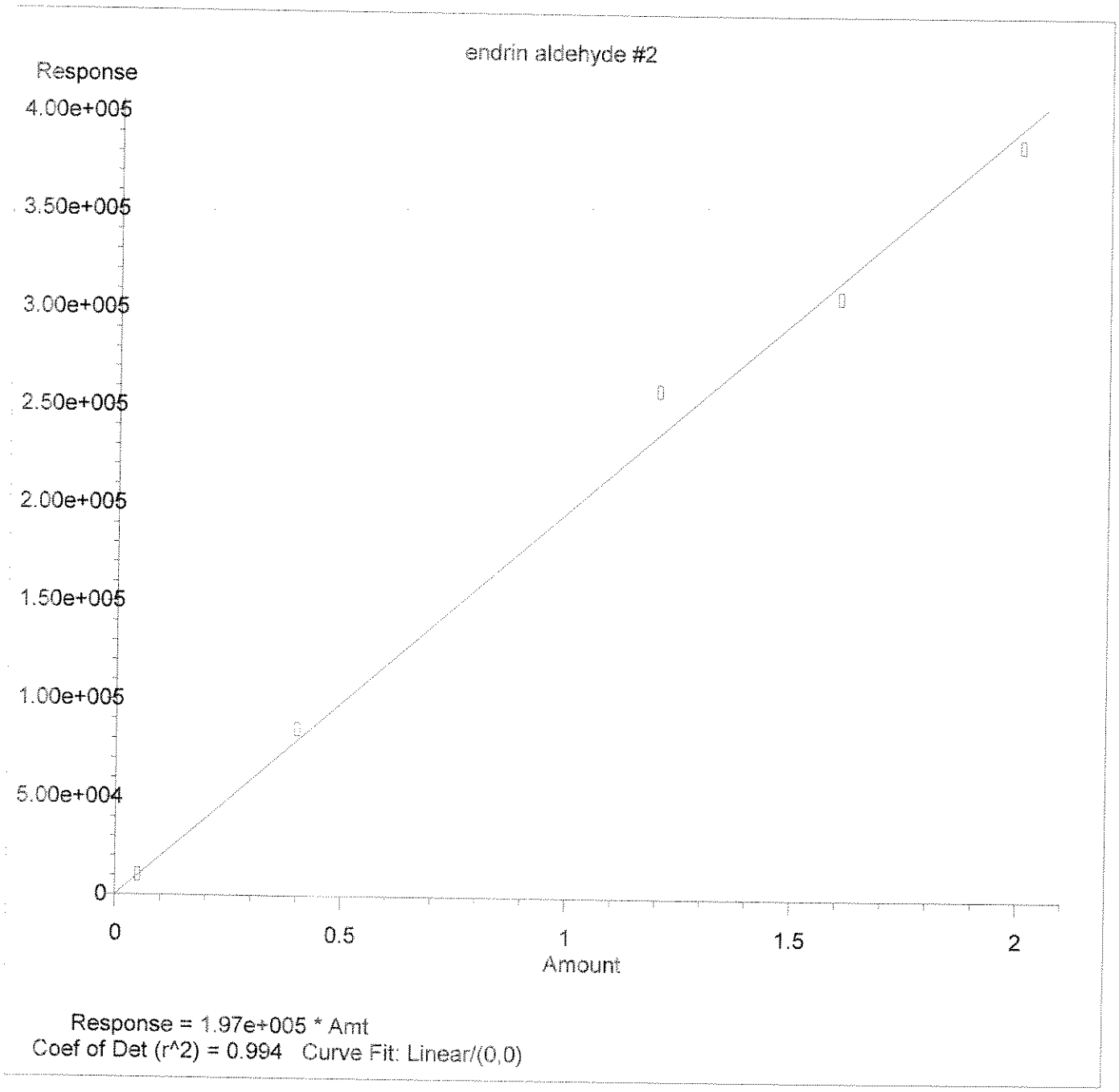
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



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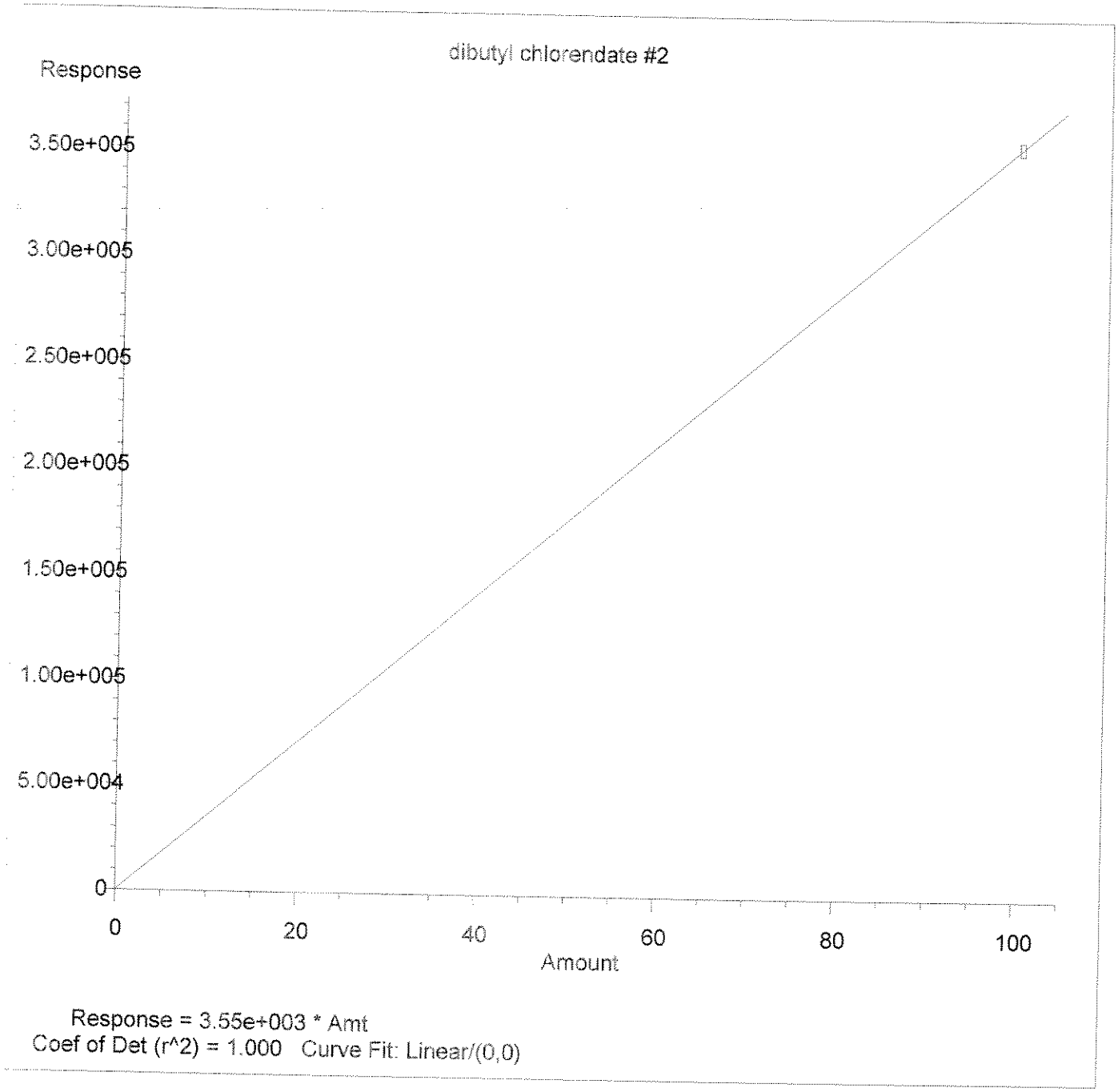
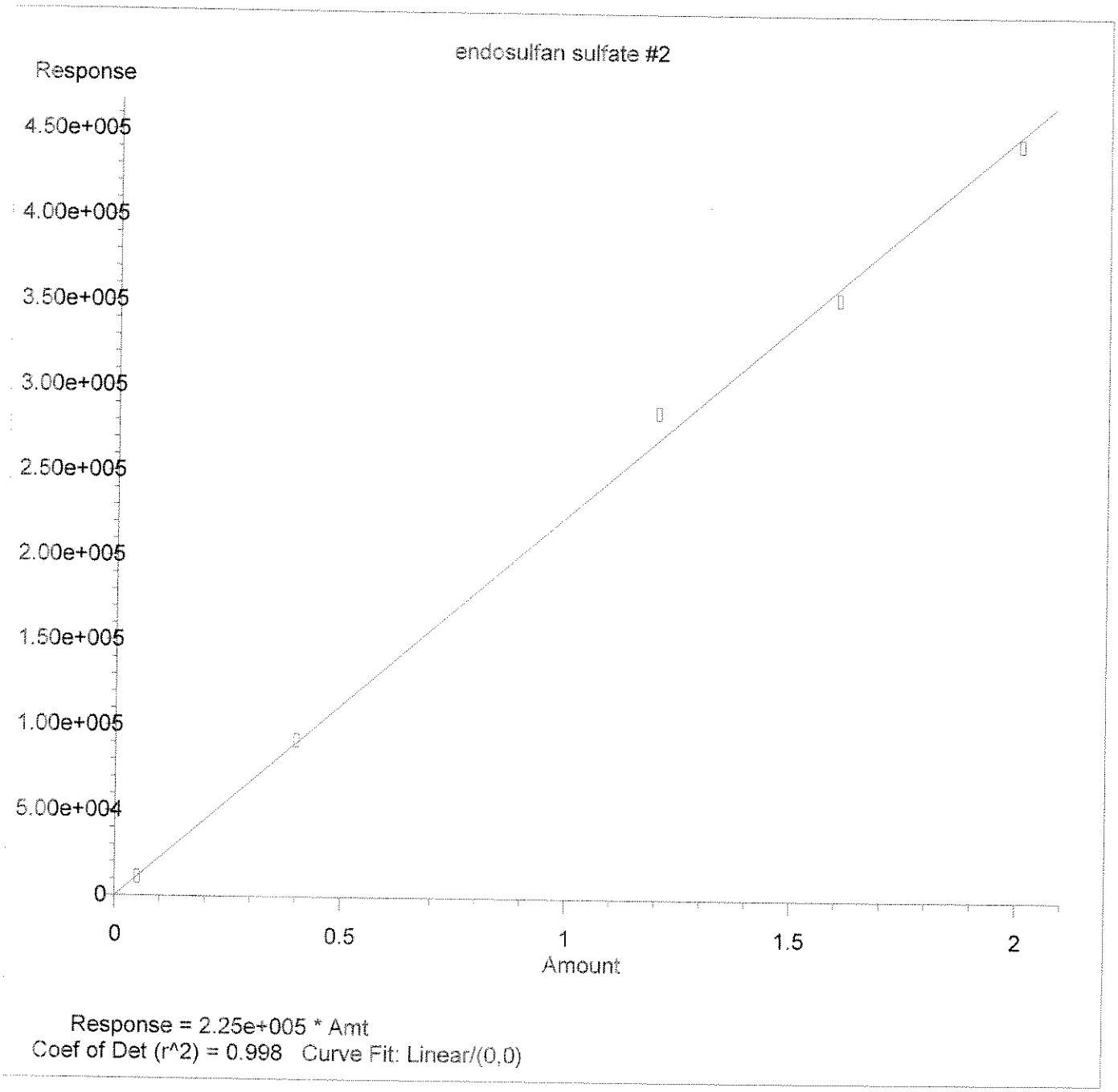
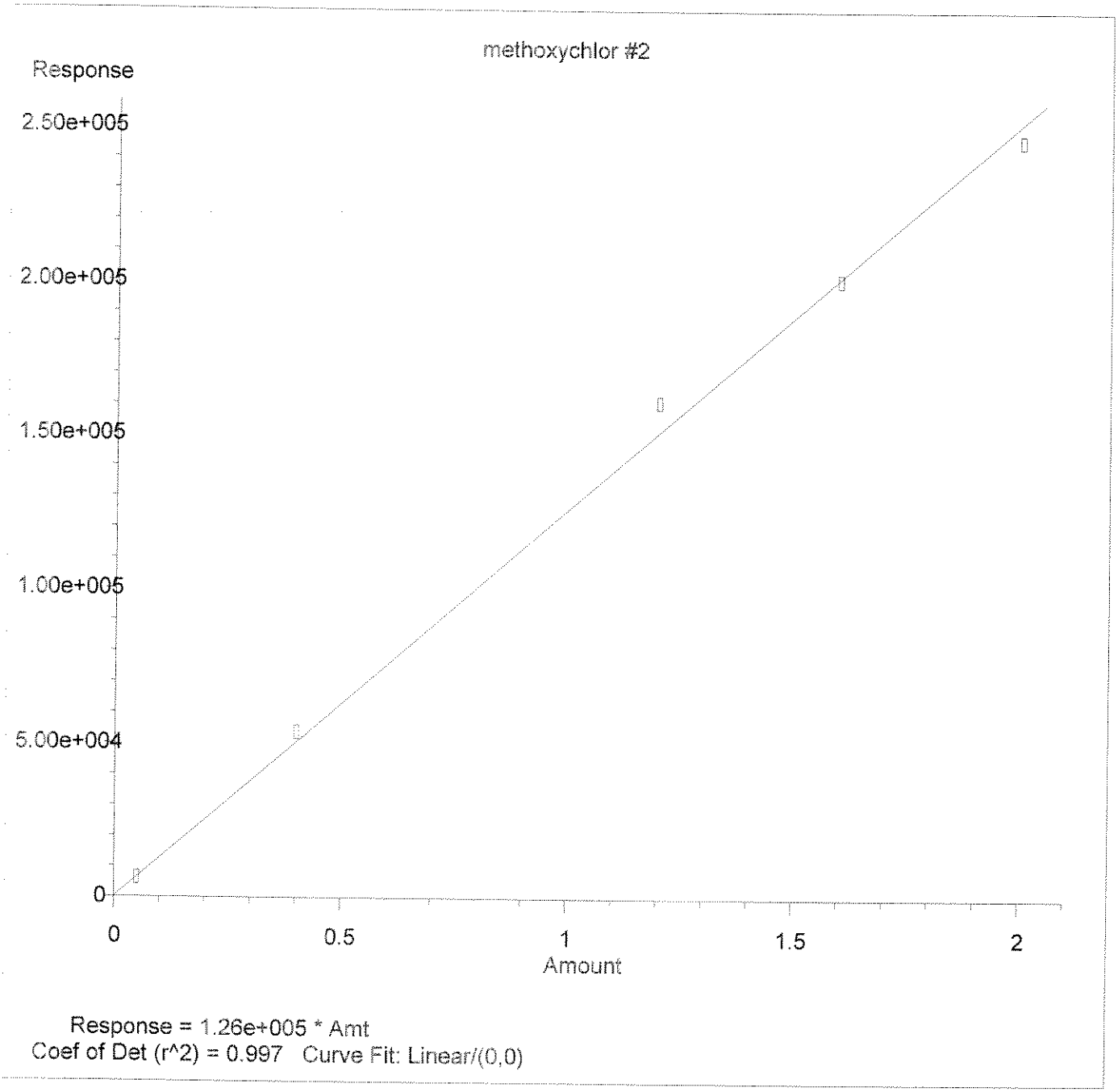
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009



Method Name: C:\SVGC2METH\RMPN1027.M
Calibration Table Last Updated: Wed Oct 28 10:22:08 2009

Pesticide Calibration Verification Summary

method: 608
instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m x 0.25 mm

sample: Organochlorine Pesticides Mix
from Chem Service Lot: 422-124A

Date: 10/28/09
Time: 0339

compound	true value	%RPD limits	result	%RPD
alpha BHC	1.00	15	1.10	10
lindane	1.00	15	1.07	7
heptachlor	1.00	15	1.10	10
aldrin	1.00	15	1.09	9
beta BHC	1.00	15	1.16	16*
delta BHC	1.00	15	1.08	8
heptachlor epoxide	1.00	15	1.13	13
endosulfan 1	1.00	15	1.14	14
pp DDE	1.00	15	1.09	9
dieldrin	1.00	15	1.17	17*
endrin	1.00	15	1.11	11
pp DDD	1.00	15	1.10	10
endosulfan 2	1.00	15	1.17	17*
pp DDT	1.00	15	1.10	10
endrin aldehyde	1.00	15	1.04	4
endosulfan sulfate	1.00	15	1.12	12
methoxychlor	1.00	15	1.18	18*

*compound exceeded 15% RPD of initial calibration

This standard applies to calibration for sequence 102709

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270919.D\data.ms Vial: 19
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270919.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 03:39 AM Operator: GW
Sample : chem s qc Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:32 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

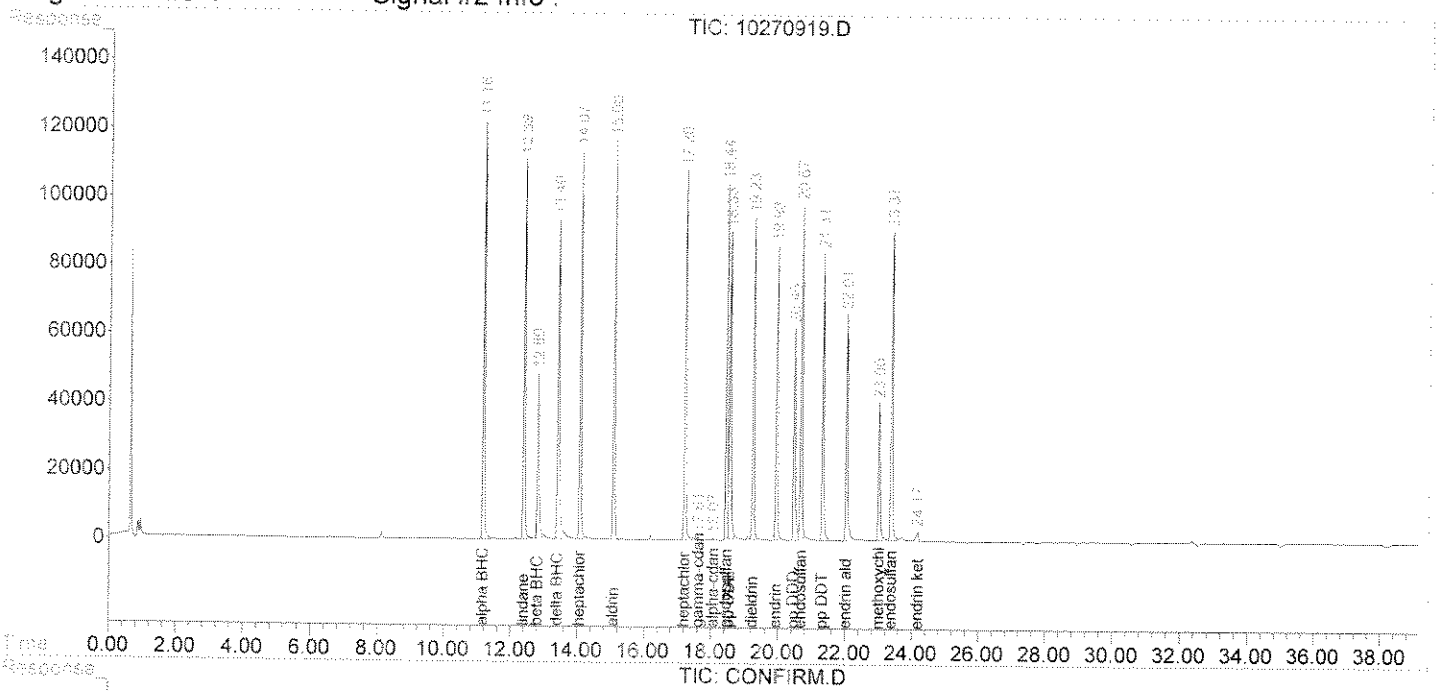
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.37	386754	343273	1.098	1.093
3)	lindane	12.39	14.75	358603	325262	1.072	1.079
4)	heptachlor	14.07	16.32	348041	324017	1.104m	1.147
5)	aldrin	15.08	17.41	350858	296815	1.089	1.109
6)	beta BHC	12.80	15.16	178462	176997	1.163m	1.210
7)	delta BHC	13.40	16.20	346363	312359	1.084m	1.107
8)	heptachlor epoxi	17.20	19.44	333553	293142	1.131	1.138
9)	endosulfan 1	18.44	20.69	313410	283685	1.137	1.167
10)	pp DDE	18.53	21.27	318546	277367	1.085m	1.118
11)	dieldrin	19.23	21.59	284742	255062	1.167m	1.164
12)	endrin	19.93	22.55	266026	252199	1.111m	1.125
13)	pp DDD	20.45	23.12	235202	225401	1.101	1.113
14)	endosulfan 2	20.67	23.24	322460	276550	1.174m	1.207m
15)	pp DDT	21.31	24.09	276850	251442	1.101	1.125
16)	endrin aldehyde	22.01	24.35	232434	213881	1.041m	1.083
18)	endosulfan sulfa	23.37	25.23	309670	256348	1.123	1.139
19)	methoxychlor	23.00	26.33	150070	148582	1.184m	1.179
20)	endrin ketone	24.17	26.83	15258	14918	0.052	0.034 #
21)	alpha-cdane	18.07	20.56	1478	1274	0.005	0.003 #
22)	gamma-cdane	17.61	20.07	2816	1785	0.010	0.004 #

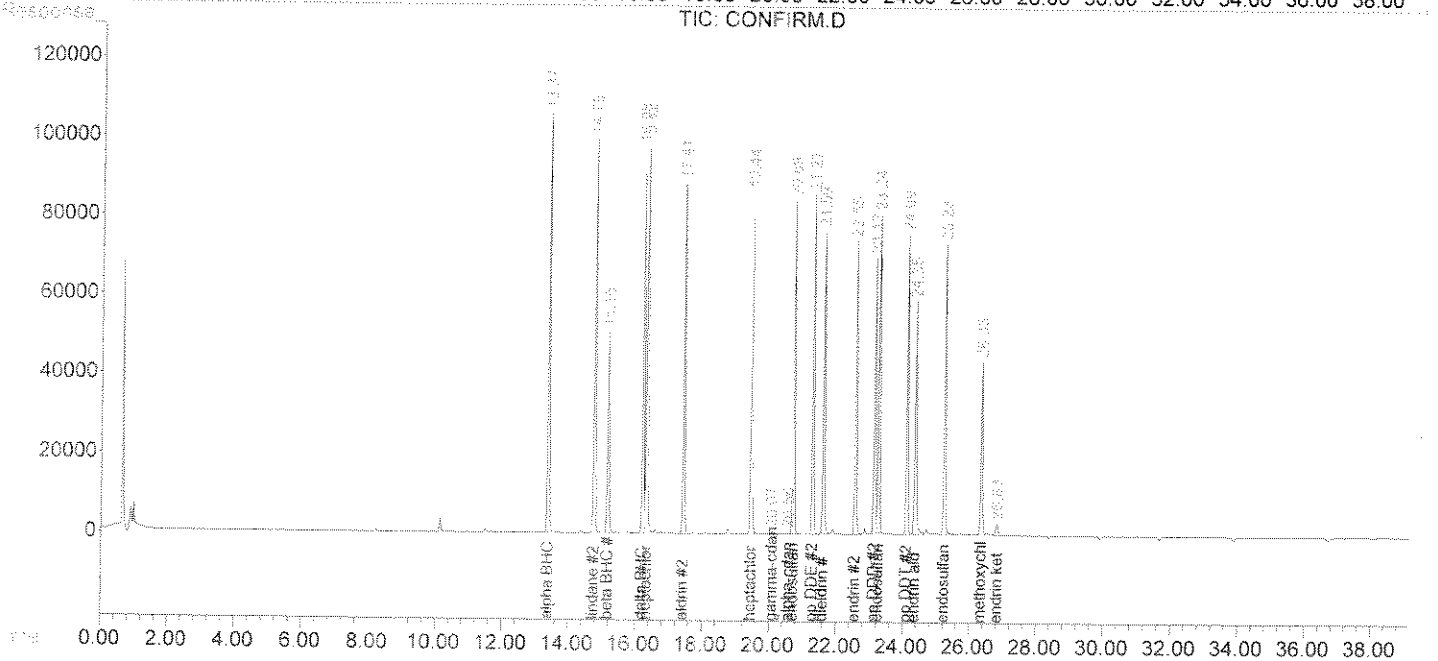
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270919.D\data.ms Vial: 19
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270919.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 03:39 AM Operator: GW
Sample : chem s qc Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 10:32 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Pesticide Instrument Performace Check Summary

method: 608/8081
instrument: SVGC 2, H.P. 5890
primary column: Rtx-CLPesticides, 30 m x 0.25 mm

sample: Restek Pesticides Mix
1.6 ug/L standard

Date: 10/28/09
Time: 1017

compound	true value	%RPD limits	result	%RPD
alpha BHC	1.60	15	1.73	8
lindane	1.60	15	1.72	8
heptachlor	1.60	15	1.74	9
aldrin	1.60	15	1.73	8
beta BHC	1.60	15	1.76	10
delta BHC	1.60	15	1.75	9
heptachlor epoxide	1.60	15	1.73	8
endosulfan 1	1.60	15	1.77	11
pp DDE	1.60	15	1.73	8
dieldrin	1.60	15	1.90	19*
endrin	1.60	15	1.87	17*
pp DDD	1.60	15	1.82	14
endosulfan 2	1.60	15	1.73	8
pp DDT	1.60	15	1.75	9
endrin aldehyde	1.60	15	1.77	11
endosulfan sulfate	1.60	15	1.73	8
methoxychlor	1.60	15	1.79	12

*exceeded 15% RPD

This standard applies to calibration for sequence 102709

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270927.D\data.ms Vial: 27
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270927.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 10:17 AM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 13:07 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

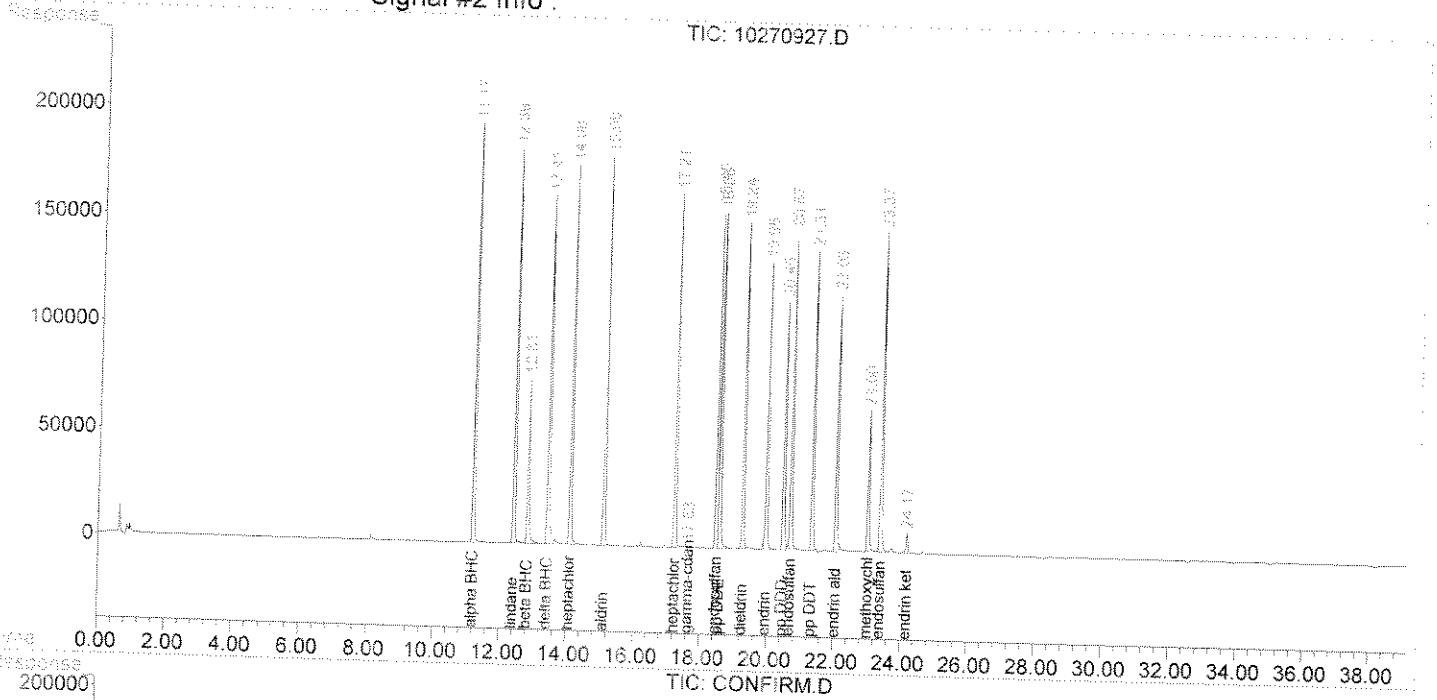
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.17	13.37	609264	539377	1.730	1.718
3)	lindane	12.39	14.76	575370	525431	1.720	1.744
4)	heptachlor	14.08	16.32	547267	501052	1.736	1.773
5)	aldrin	15.09	17.43	557092	466839	1.729	1.745
6)	beta BHC	12.81	15.16	269923	250007	1.759	1.709
7)	delta BHC	13.41	16.20	558322	483550	1.747	1.713
8)	heptachlor epoxi	17.21	19.44	509868	454505	1.729	1.765
9)	endosulfan 1	18.45	20.69	488403	428409	1.773m	1.763
10)	pp DDE	18.55	21.27	508820	438767	1.733	1.768
11)	dieldrin	19.24	21.59	464614	404392	1.904	1.846
12)	endrin	19.95	22.55	447534	401711	1.869	1.792
13)	pp DDD	20.45	23.12	388961	371781	1.820m	1.836
14)	endosulfan 2	20.67	23.25	474599	403221	1.728m	1.760
15)	pp DDT	21.31	24.09	439290	404516	1.747m	1.809
16)	endrin aldehyde	22.03	24.35	394914	347250	1.769m	1.758
18)	endosulfan sulfa	23.37	25.23	477940	396585	1.733	1.762
19)	methoxychlor	23.00	26.33	226972	231032	1.791m	1.833
20)	endrin ketone	24.17	26.84	34600	30643	0.118	0.071 #
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	17.63	20.13	2147	4958	0.007	0.011 #

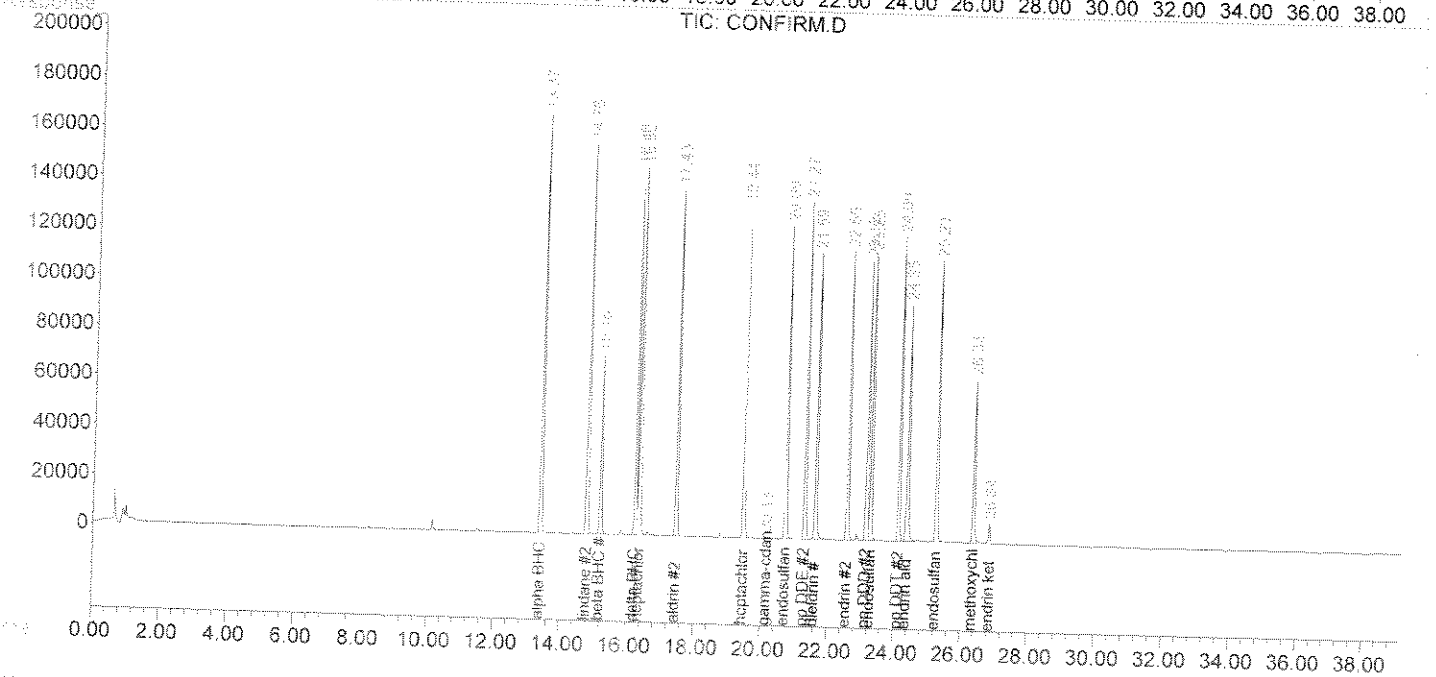
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270927.D\data.ms Vial: 27
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270927.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 10:17 AM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 13:07 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Endrin and ppDDT Breakdown Summary

method: 608

instrument: SVGC 2, H.P. 5890
primary column: RTX-CLPesticides, 30 m x 0.2 mm

sample id: Restek Degradation Check Mix (Endrin + ppDDT)
2.0 ppb INT from 100ug/ml stock lot# A005466

Date of Analysis	Time of Analysis	Endrin response	Endrin Aldehyde response	Endrin Ketone response	% Breakdown Endrin
10/27/09	1438	502210	3349	8658	2%
10/28/09	1100	552026	11438	15436	5%

%Breakdown = Endrin Aldehyde + Endrin Ketone/ Endrin + Endrin Aldehyde + Endin Ketone x 100
Endrin

Date of Analysis	Time of Analysis	ppDDT response	ppDDE response	ppDDD response	% Breakdown ppDDT
10/27/09	1438	508136	5783	903	1%
10/28/09	1100	525550	7331	2578	2%

%Breakdown = ppDDE + ppDDD/ ppDDT + ppDDE + ppDDD x 100
ppDDT

* QC limit (15%).

Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270901.D\data.ms Vial: 1
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270901.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 02:38 PM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 9:53 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

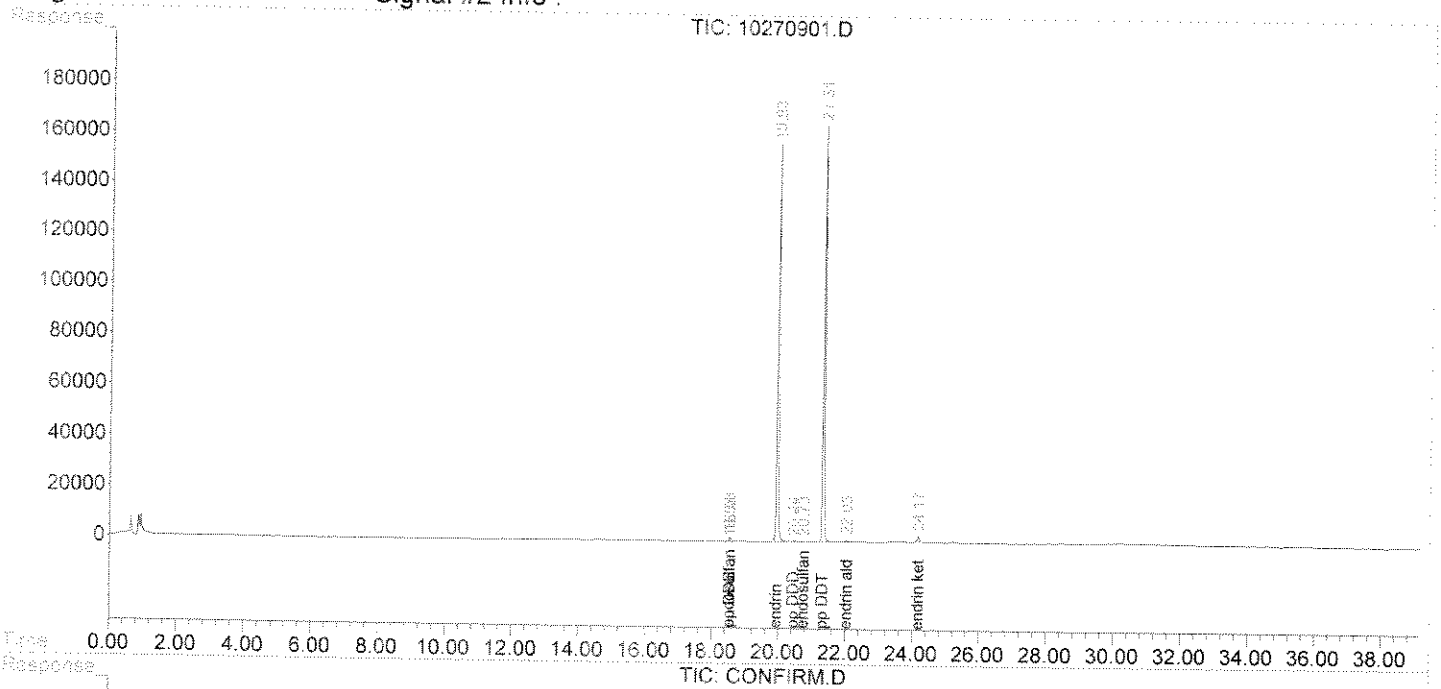
	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	0.00	0	0	N.D.	N.D.
4)	heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)	aldrin	0.00	0.00	0	0	N.D.	N.D.
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	18.53f	0.00	6406	0	0.024	N.D. #
10)	pp DDE	18.53	21.25	5783	6726	0.018m	0.023m#
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.
12)	endrin	19.93	22.55	502210	502329	2.316m	1.891
13)	pp DDD	20.44	23.11	903	1826	0.004m	0.008 #
14)	endosulfan 2	20.73f	0.00	1230	0	0.005	N.D. #
15)	pp DDT	21.31	24.08	508136	463782	1.925m	1.686
16)	endrin aldehyde	22.03	24.35	3349	3748	0.017	0.016
18)	endosulfan sulfa	0.00	0.00	0	0	N.D.	N.D.
19)	methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)	endrin ketone	24.17	26.83	8658	8612	0.029m	0.020m#
21)	alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22)	gamma-cdane	0.00	0.00	0	0	N.D.	N.D.

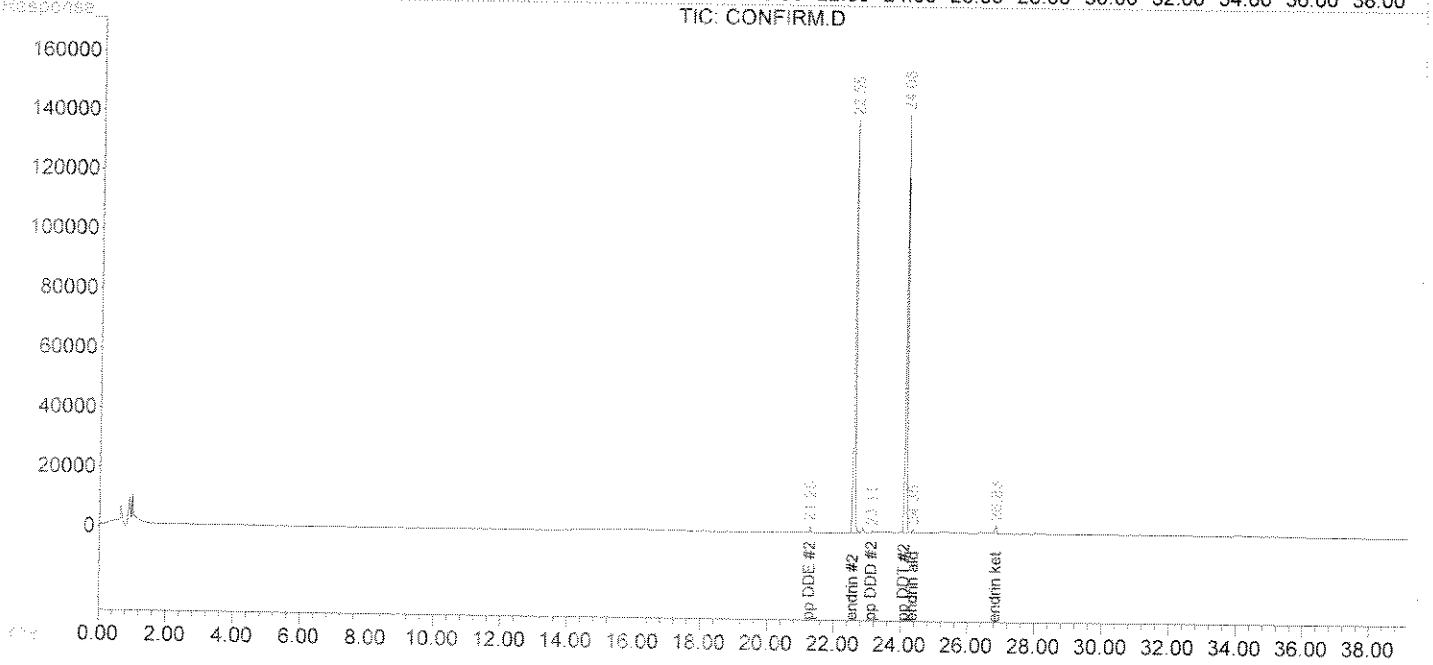
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
10270901.D RMPN1016.M Thu Nov 19 12:17:50 2009 SVGC3

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270901.D\data.ms Vial: 1
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270901.D\CONFIRM.D\data.ms
Acq On : 27 Oct 2009 02:38 PM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 9:53 2009 Quant Results File: RMPN1016.RES

Quant Method : C:\SVGC2METH\RMPN1016.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Mon Oct 19 10:22:44 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270928.D\data.ms Vial: 28
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270928.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 11:00 AM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 13:09 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Initial Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

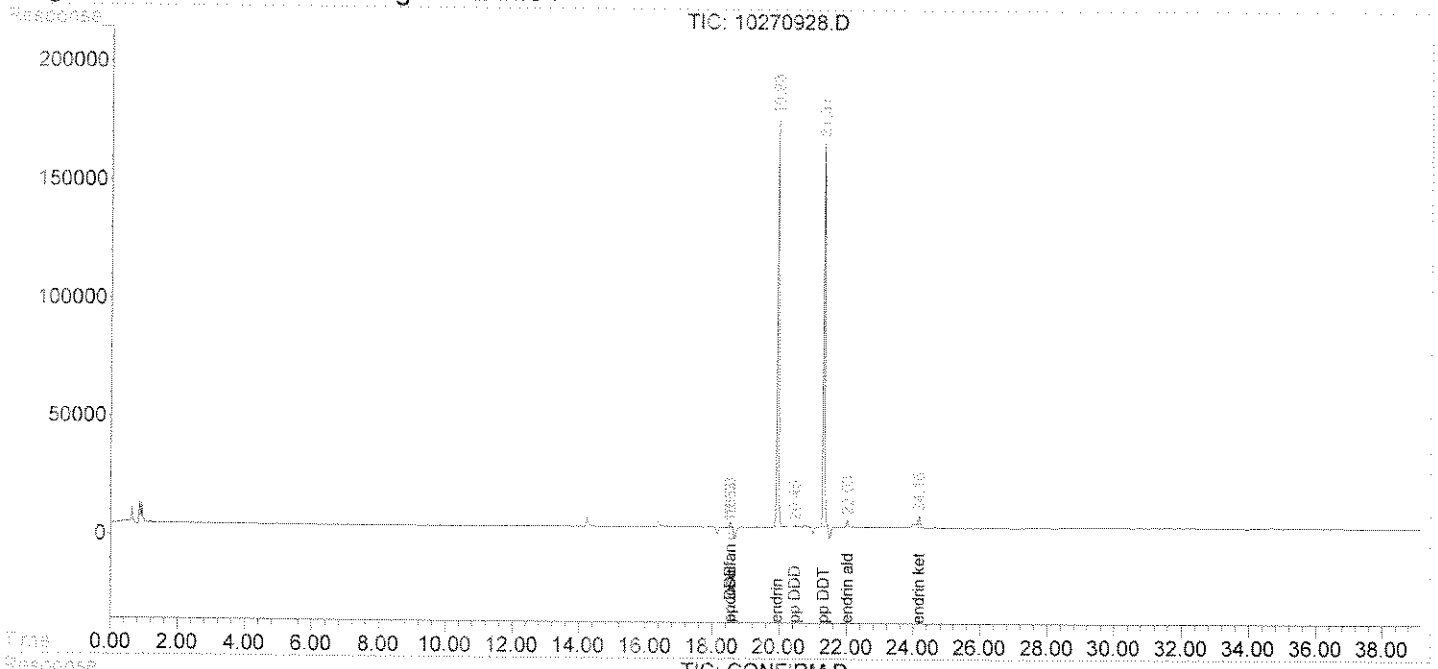
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
System Monitoring Compounds						
1) S1 tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.
17) S2 dibutyl chlorend	0.00	0.00	0	0	N.D.	N.D.
Target Compounds						
2) alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3) lindane	0.00	0.00	0	0	N.D.	N.D.
4) heptachlor	0.00	0.00	0	0	N.D.	N.D.
5) aldrin	0.00	0.00	0	0	N.D.	N.D.
6) beta BHC	0.00	0.00	0	0	N.D.	N.D.
7) delta BHC	0.00	0.00	0	0	N.D.	N.D.
8) heptachlor epoxi	0.00	19.39	0	12690	N.D.	0.049 #
9) endosulfan 1	18.53f	0.00	47214	0	0.171	N.D. #
10) pp DDE	18.53	21.27	7331	9435	0.025m	0.038 #
11) dieldrin	0.00	0.00	0	0	N.D.	N.D.
12) endrin	19.93	22.55	552026	499790	2.305	2.229m
13) pp DDD	20.45	23.12	2578	5215	0.012m	0.026m#
14) endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15) pp DDT	21.31	24.08	525550	493930	2.090m	2.209
16) endrin aldehyde	22.03	24.35	11438	9797	0.051m	0.050m
18) endosulfan sulfa	0.00	0.00	0	0	N.D.	N.D.
19) methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20) endrin ketone	24.16	26.83	15436	22412	0.053m	0.052m
21) alpha-cdane	0.00	0.00	0	0	N.D.	N.D.
22) gamma-cdane	0.00	20.13	0	108190	N.D.	0.233 #

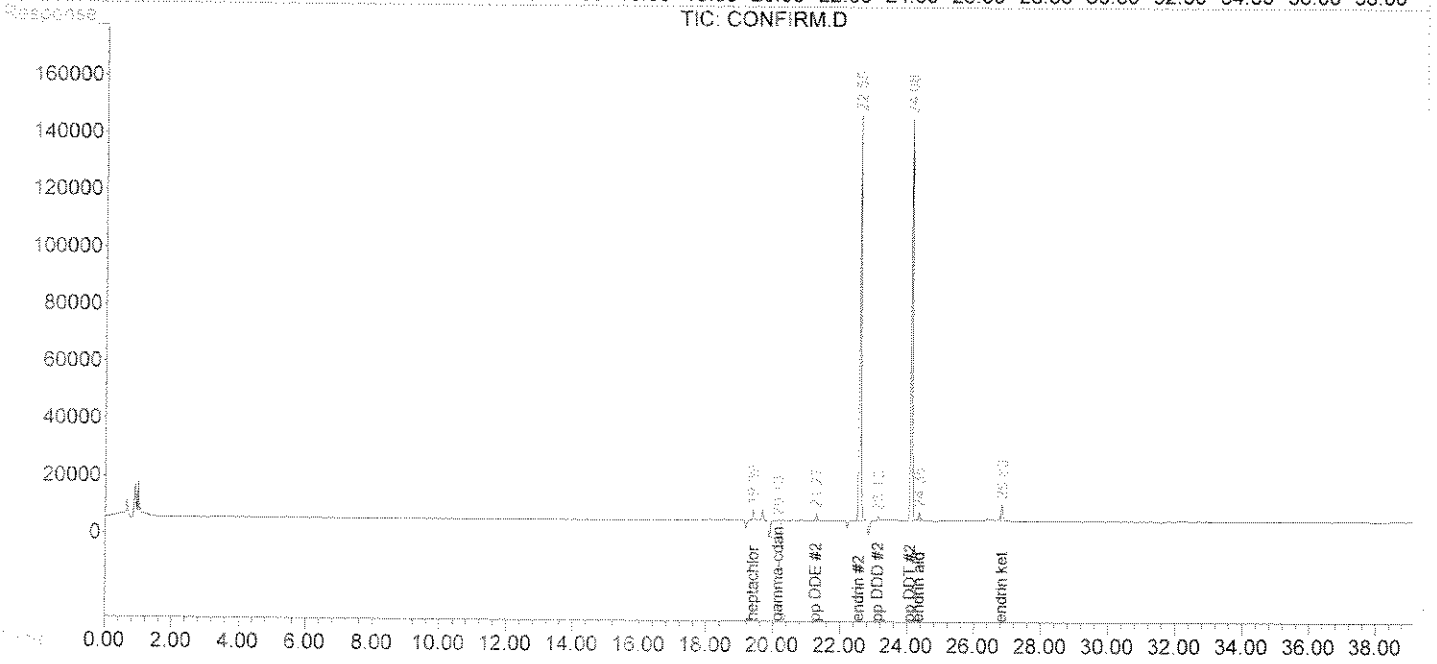
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\DATA2005\SVGC2\OCT09T\102709\10270928.D\data.ms Vial: 28
Signal #2 : C:\DATA2005\SVGC2\OCT09T\102709\10270928.D\CONFIRM.D\data.ms
Acq On : 28 Oct 2009 11:00 AM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : MultiplIr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 28 13:09 2009 Quant Results File: RMPN1027.RES

Quant Method : C:\SVGC2METH\RMPN1027.M (RTE Integrator)
Title : Restek 608 pesticides
Last Update : Wed Oct 28 10:22:08 2009
Response via : Single Level Calibration
DataAcq Meth : RMPN1.MTH

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





RAW DATA for analytical sequence 10/27/09

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270901.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\102709\10270901.D\CONFIRM.D
Acq On : 27 Oct 09 02:38 PM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 15:19 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	12257	N.D.	2.07	#
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	0.00	0	0	N.D.	N.D.	
5)	aldrin	0.00	0.00	0	0	N.D.	N.D.	
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	18.53	0.00	5620	0	N.D.	N.D.	
10)	pp DDE	18.53f	21.25f	5620	7227	N.D.	N.D.	
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	19.93	22.55f	499121	501114	1.10	1.24	
13)	pp DDD	20.44	23.11f	1525	1826	N.D.	N.D.	
14)	endosulfan 2	20.73	0.00	221	0	N.D.	N.D.	
15)	pp DDT	21.31	24.08f	507819	463782	0.95	1.31	#
16)	endrin aldehyde	22.03	24.35f	2100	2561	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	0.00	0.00	0	0	N.D.	N.D.	

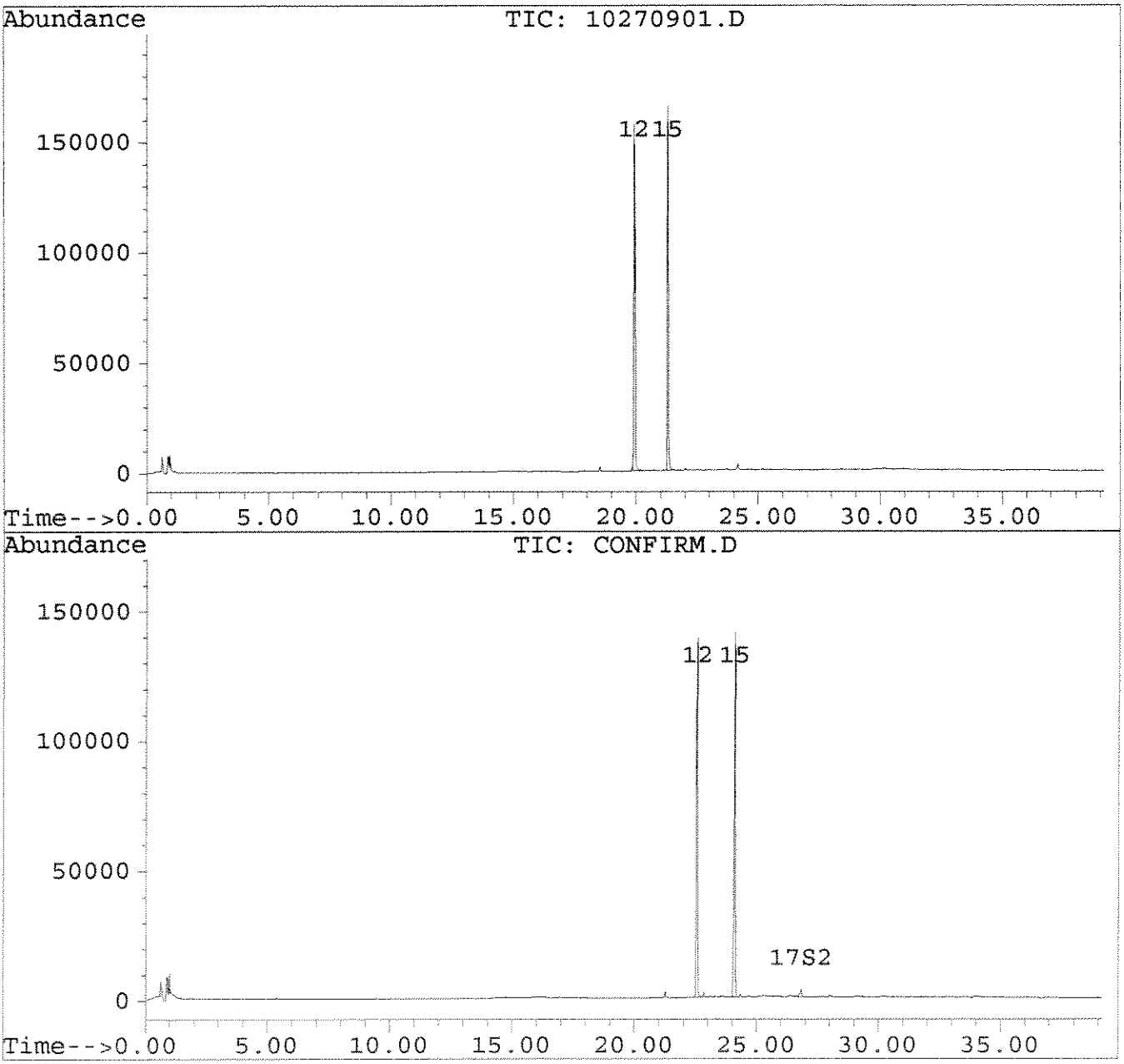
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270901.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\102709\10270901.D\CONFIRM.D
Acq On : 27 Oct 09 02:38 PM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 15:19 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270902.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\102709\10270902.D\CONFIRM.D
Acq On : 27 Oct 09 03:21 PM Operator: GW
Sample : rmp 0.05 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 16:02 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorendate	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	11.16	13.36f	12717	12242	0.01	0.00 #
3)	lindane	12.39	14.75f	12698	12527	N.D.	N.D.
4)	heptachlor	14.07	16.32f	15954	16435	N.D.	N.D.
5)	aldrin	15.08	17.41f	13715	11186	0.00	0.01 #
6)	beta BHC	12.83	15.16	8965	7851	N.D.	N.D.
7)	delta BHC	13.41	16.20	12009	9931	N.D.	N.D.
8)	heptachlor epoxide	17.20	19.43f	14643	13051	N.D.	0.02
9)	endosulfan 1	18.55	20.68f	10792	12309	N.D.	N.D.
10)	pp DDE	18.44	21.25f	13851	9717	N.D.	N.D.
11)	dieldrin	19.23	21.59f	11780	10382	N.D.	N.D.
12)	endrin	19.93	22.53f	10784	10352	N.D.	N.D.
13)	pp DDD	20.47	23.11f	8638	8510	N.D.	N.D.
14)	endosulfan 2	20.67	23.24f	14769	12205	N.D.	N.D.
15)	pp DDT	21.31	24.08f	11514	9325	N.D.	N.D.
16)	endrin aldehyde	22.01	24.33f	12132	10018	N.D.	N.D.
18)	endosulfan sulfate	23.36	25.21f	13527	10475	N.D.	N.D.
19)	methoxychlor	23.00	26.33f	6918	7058	N.D.	N.D.

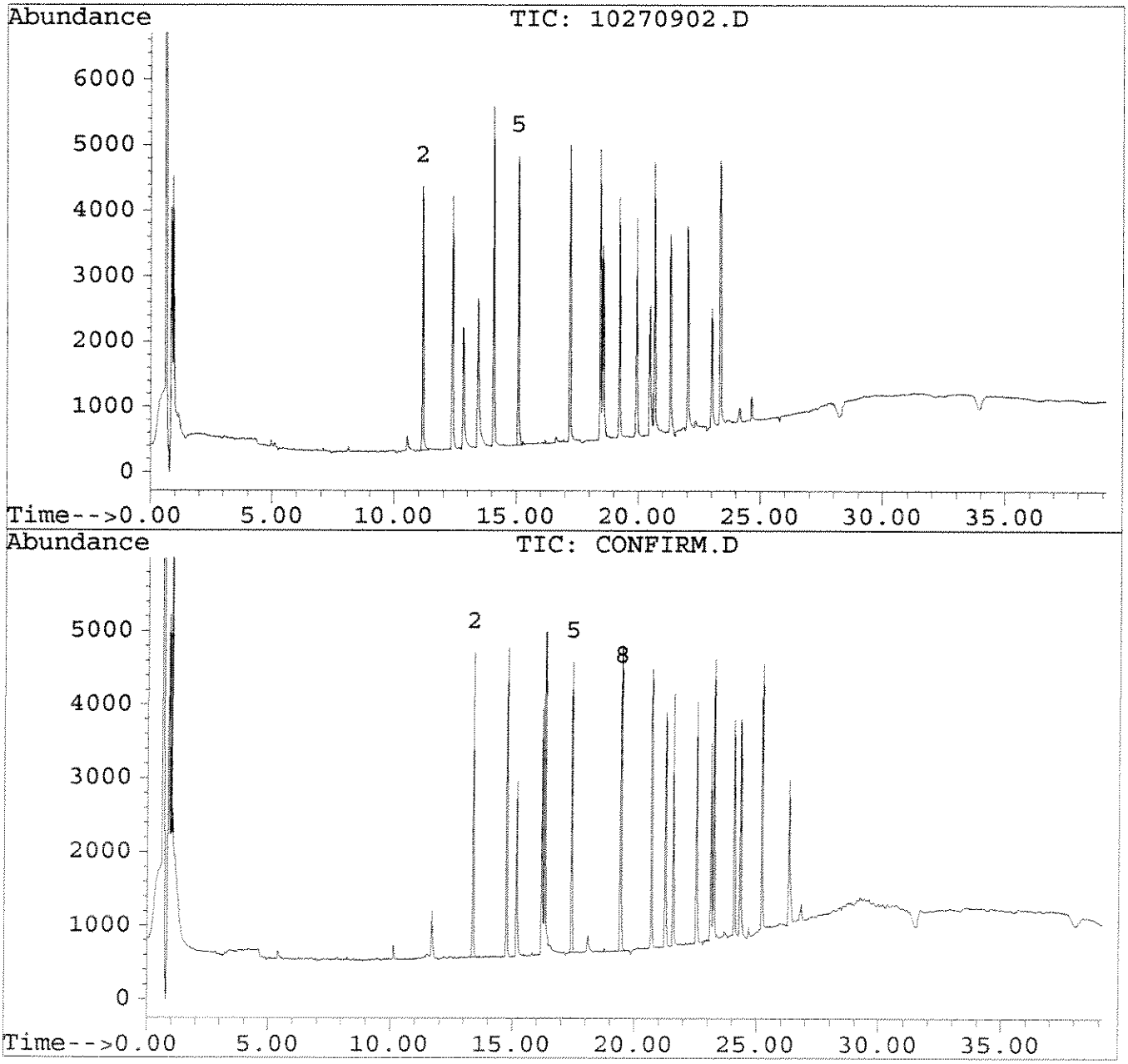
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270902.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\102709\10270902.D\CONFIRM.D
Acq On : 27 Oct 09 03:21 PM Operator: GW
Sample : rmp 0.05 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 16:02 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270903.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\102709\10270903.D\CONFIRM.D
Acq On : 27 Oct 09 04:05 PM Operator: GW
Sample : rmp 0.4 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 16:46 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	8735	N.D.	1.48	#
	Target Compounds							
2)	alpha BHC	11.16	13.36f	129574	114141	0.15	0.17	
3)	lindane	12.39	14.75f	129263	115857	0.16	0.17	
4)	heptachlor	14.07	16.32f	130601	114598	0.15	0.08	#
5)	aldrin	15.08	17.41f	123394	100050	0.16	0.18	
6)	beta BHC	12.81	15.16	73348	65692	0.15	0.17	
7)	delta BHC	13.40	16.20	120848	100093	0.15	0.14	
8)	heptachlor epoxide	17.20	19.43f	117029	105313	0.14	0.22	#
9)	endosulfan 1	18.53	20.69f	115707	98602	0.15	0.17	
10)	pp DDE	18.44	21.25f	110926	90830	0.14	0.17	
11)	dieldrin	19.23	21.59f	94764	87779	0.15	0.15	
12)	endrin	19.93	22.55f	96011	86521	0.18	0.14	
13)	pp DDD	20.45	23.11f	76411	74951	0.14	0.18	#
14)	endosulfan 2	20.67	23.24f	121201	99299	0.15	0.19	
15)	pp DDT	21.31	24.08f	97668	84095	0.15	0.19	#
16)	endrin aldehyde	22.01	24.35f	94818	85280	0.14	0.14	
18)	endosulfan sulfate	23.36	25.21f	112731	90910	0.15	0.17	
19)	methoxychlor	22.99	26.33f	55178	52823	0.15	0.25	#

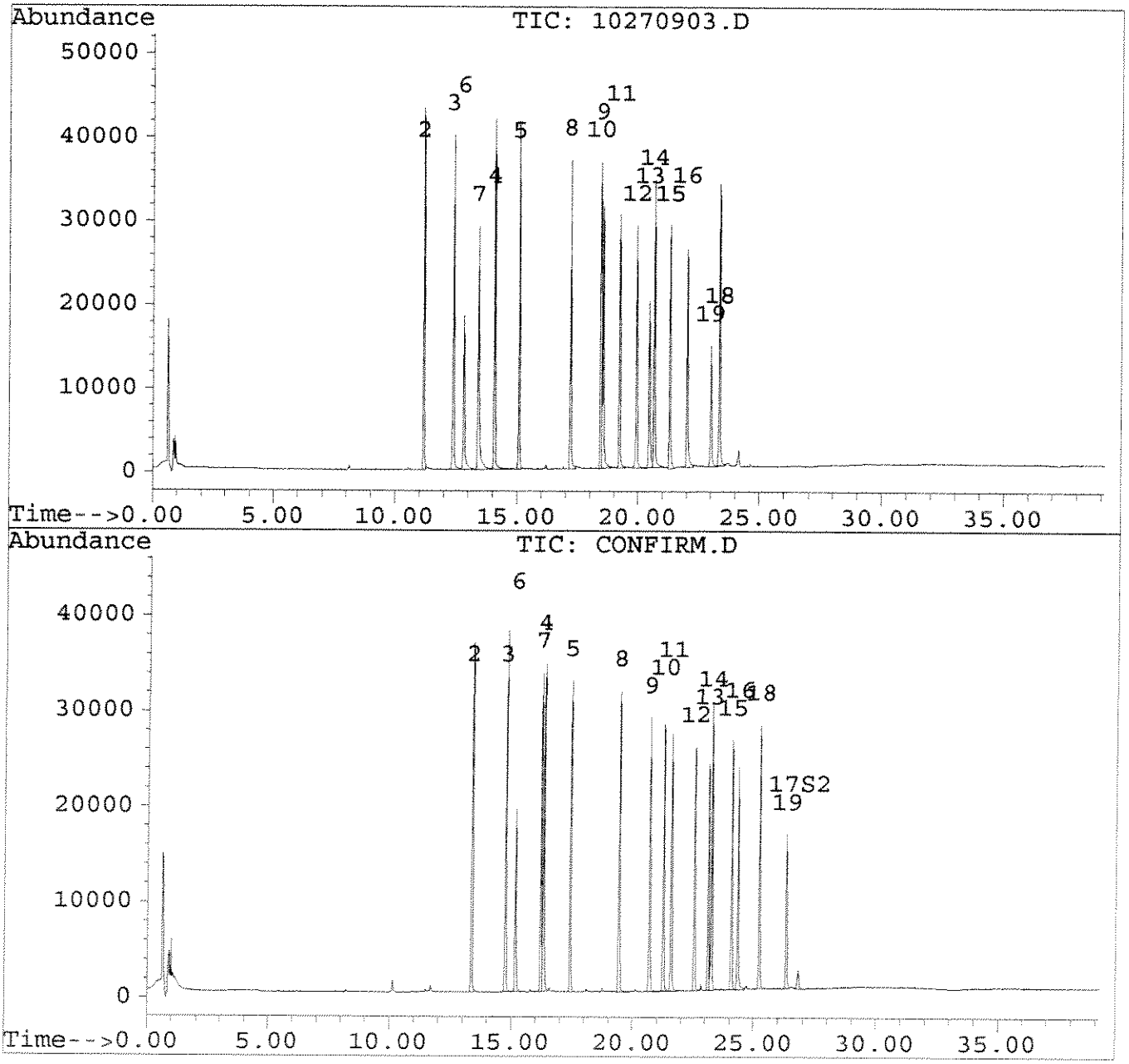
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270903.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\102709\10270903.D\CONFIRM.D
Acq On : 27 Oct 09 04:05 PM Operator: GW
Sample : rmp 0.4 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 16:46 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270904.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\102709\10270904.D\CONFIRM.D
Acq On : 27 Oct 09 04:48 PM Operator: GW
Sample : rmp 0.8 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 17:29 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	0.00	0	0	N.D.	N.D.	
	Target Compounds							
2)	alpha BHC	11.17	13.36f	9410	8498	0.00	N.D.	#
3)	lindane	12.39	14.75f	11007	10518	N.D.	N.D.	
4)	heptachlor	14.07	16.32f	14546	12878	N.D.	N.D.	
5)	aldrin	15.08	17.41f	13550	11386	0.00	0.01	#
6)	beta BHC	12.84	15.16	8925	7728	N.D.	N.D.	
7)	delta BHC	13.44	16.21	15917	11842	0.00	N.D.	#
8)	heptachlor epoxide	17.20	19.43f	20451	18388	N.D.	0.03	
9)	endosulfan 1	18.55	20.69f	26518	22258	N.D.	0.00	
10)	pp DDE	18.44	21.27f	24880	23584	0.00	0.03	#
11)	dieldrin	19.23	21.59f	22682	21192	0.01	0.01	
12)	endrin	19.93	22.55f	23695	21011	0.02	N.D.	#
13)	pp DDD	20.47	23.12f	25913	25967	0.03	0.03	
14)	endosulfan 2	20.67	23.24f	40849	31765	0.01	0.03	#
15)	pp DDT	21.31	24.08f	32208	27520	0.02	0.03	
16)	endrin aldehyde	22.03	24.35f	41953	36622	N.D.	N.D.	
18)	endosulfan sulfate	23.37	25.21f	45310	32049	0.03	0.00	#
19)	methoxychlor	23.00	26.33f	35294	46175	0.07	0.20	#

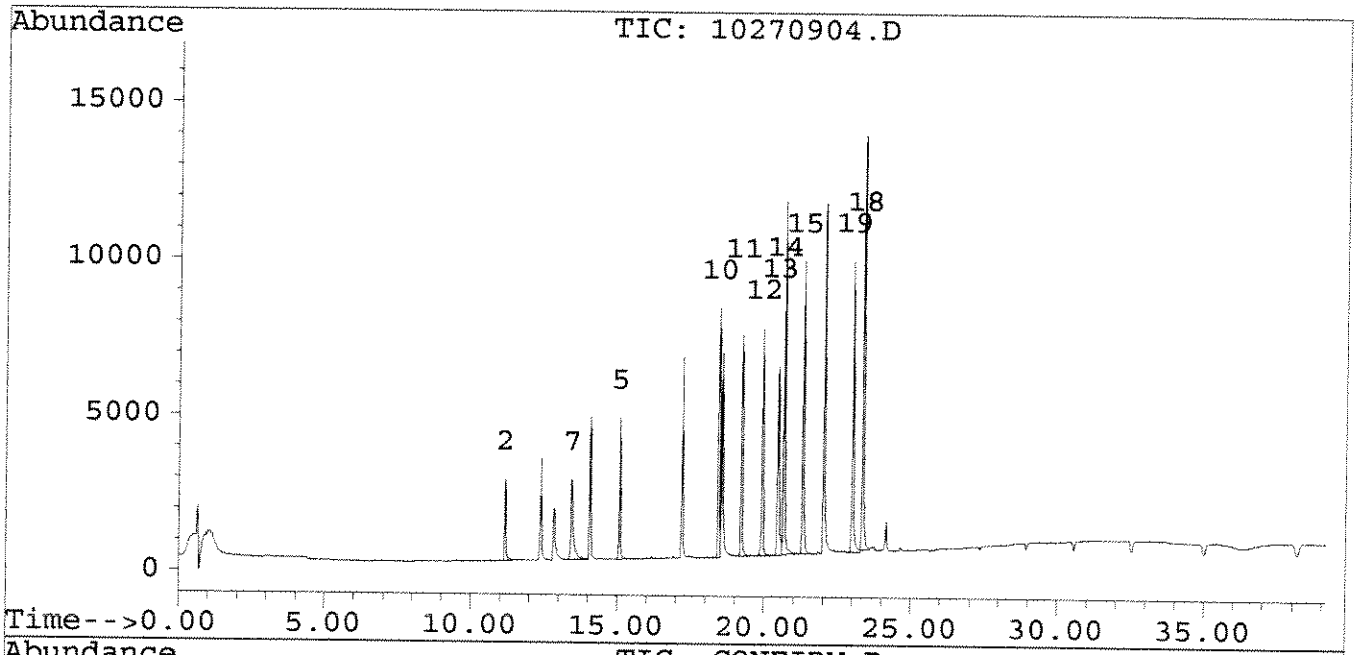
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

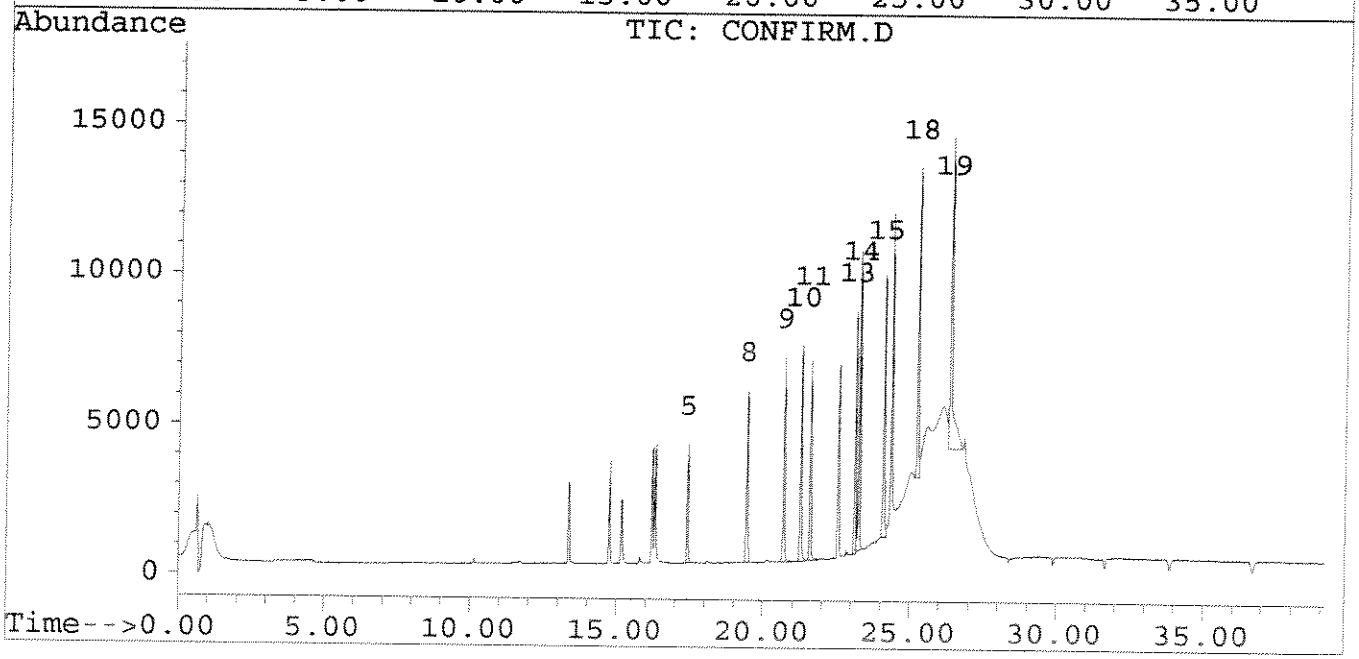
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270904.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\102709\10270904.D\CONFIRM.D
Acq On : 27 Oct 09 04:48 PM Operator: GW
Sample : rmp 0.8 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 17:29 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270905.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\102709\10270905.D\CONFIRM.D
Acq On : 27 Oct 09 05:32 PM Operator: GW
Sample : rmp 1.2 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 18:12 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	25666	N.D.	4.34	#
	Target Compounds							
2)	alpha BHC	11.16	13.37	443102	390946	0.53	0.61	
3)	lindane	12.37	14.75f	424183	377694	0.56	0.64	
4)	heptachlor	14.07	16.32f	402412	352962	0.60	0.72	
5)	aldrin	15.08	17.41f	405645	333415	0.56	0.63	
6)	beta BHC	12.80	15.16	213121	195782	0.59	0.69	
7)	delta BHC	13.40	16.20	407657	348257	0.53	0.60	
8)	heptachlor epoxide	17.20	19.43f	373729	325134	0.58	0.70	
9)	endosulfan 1	18.53	20.69f	394910	308211	0.67	0.65	
10)	pp DDE	18.44	21.27f	351306	309846	0.52	0.64	
11)	dieldrin	19.23	21.59f	306497	276933	0.56	0.56	
12)	endrin	19.93	22.55f	316525	282330	0.69	0.66	
13)	pp DDD	20.44	23.11f	266442	253258	0.57	0.72	#
14)	endosulfan 2	20.65	23.24f	366782	303598	0.60	0.67	
15)	pp DDT	21.29	24.08f	315919	279098	0.57	0.77	#
16)	endrin aldehyde	22.01	24.35f	293864	259554	0.68	0.70	
18)	endosulfan sulfate	23.36	25.21f	353578	285542	0.58	0.70	
19)	methoxychlor	22.99	26.33f	162686	159881	0.61	0.96	#

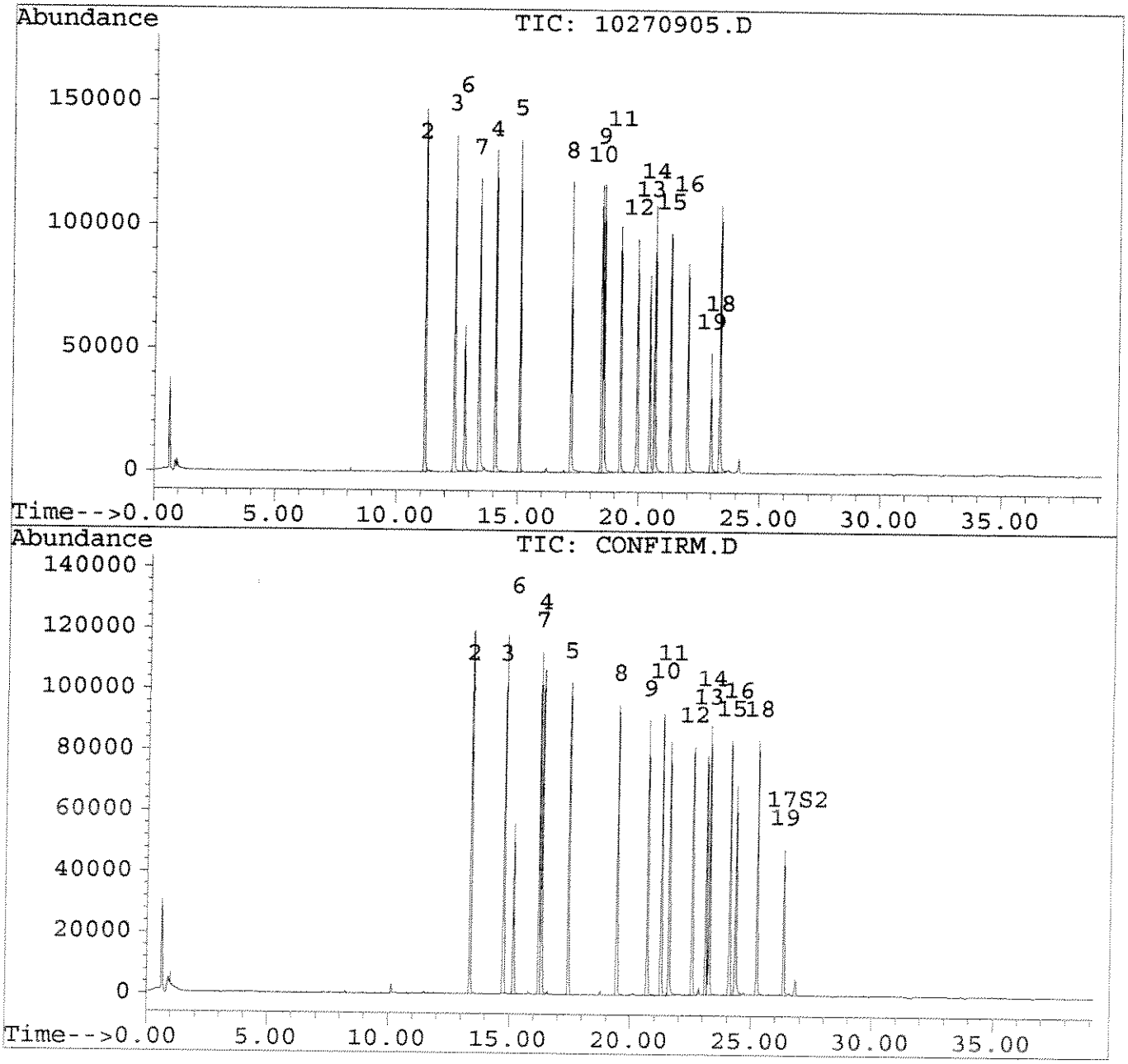
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270905.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\102709\10270905.D\CONFIRM.D
Acq On : 27 Oct 09 05:32 PM Operator: GW
Sample : rmp 1.2 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 18:12 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270906.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\102709\10270906.D\CONFIRM.D
Acq On : 27 Oct 09 06:15 PM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 18:56 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	35351	N.D.	5.97	#
	Target Compounds							
2)	alpha BHC	11.16	13.36f	556280	497085	0.67	0.78	
3)	lindane	12.37	14.75f	531472	483654	0.71	0.83	
4)	heptachlor	14.07	16.32f	504752	446705	0.78	0.97	#
5)	aldrin	15.08	17.41f	511335	423248	0.71	0.80	
6)	beta BHC	12.80	15.16	248298	230533	0.70	0.83	
7)	delta BHC	13.40	16.20	508769	434030	0.67	0.76	
8)	heptachlor epoxide	17.20	19.43f	469567	408348	0.74	0.88	
9)	endosulfan 1	18.53	20.69f	498038	384814	0.86	0.82	
10)	pp DDE	18.44	21.27f	438785	392286	0.66	0.81	
11)	dieldrin	19.23	21.59f	385928	344924	0.72	0.71	
12)	endrin	19.93	22.55f	392213	350850	0.86	0.84	
13)	pp DDD	20.44	23.11f	338182	319335	0.73	0.92	#
14)	endosulfan 2	20.65	23.24f	447881	371902	0.74	0.84	
15)	pp DDT	21.29	24.08f	397737	352858	0.73	0.98	#
16)	endrin aldehyde	22.01	24.35f	356257	308242	0.85	0.86	
18)	endosulfan sulfate	23.36	25.21f	436742	352686	0.73	0.89	
19)	methoxychlor	22.99	26.33f	202420	199593	0.78	1.22	#

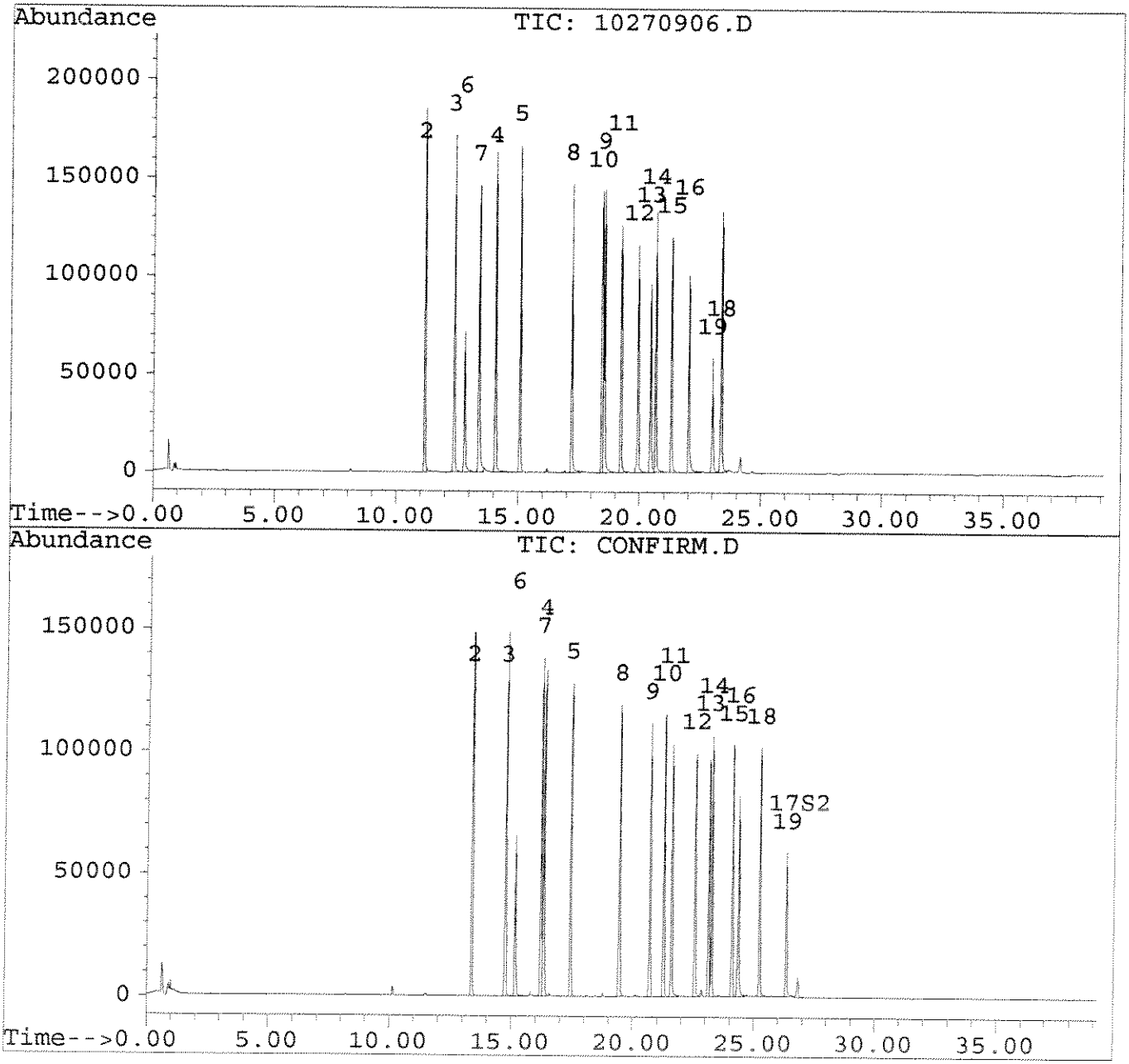
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270906.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\102709\10270906.D\CONFIRM.D
Acq On : 27 Oct 09 06:15 PM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 18:56 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270907.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\102709\10270907.D\CONFIRM.D
Acq On : 27 Oct 09 06:58 PM Operator: GW
Sample : rmp 2.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 19:39 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	35280	N.D.	5.96	#
	Target Compounds							
2)	alpha BHC	11.16	13.37	693498	622889	0.83	0.98	
3)	lindane	12.37	14.75f	660338	592046	0.89	1.03	
4)	heptachlor	14.07	16.32f	625906	560964	0.98	1.28	#
5)	aldrin	15.08	17.41f	633722	532100	0.89	1.01	
6)	beta BHC	12.80	15.16	303733	283114	0.88	1.04	
7)	delta BHC	13.40	16.20	634050	541864	0.84	0.96	
8)	heptachlor epoxide	17.20	19.44f	582284	506856	0.93	1.10	
9)	endosulfan 1	18.53	20.69f	622776	479195	1.09	1.03	
10)	pp DDE	18.44	21.27f	539611	494574	0.82	1.03	#
11)	dieldrin	19.23	21.59f	483854	431298	0.91	0.90	
12)	endrin	19.93	22.55f	493522	446154	1.09	1.10	
13)	pp DDD	20.44	23.11f	426225	403858	0.93	1.17	#
14)	endosulfan 2	20.65	23.24f	541718	452176	0.91	1.03	
15)	pp DDT	21.29	24.09f	506875	445589	0.94	1.26	#
16)	endrin aldehyde	22.01	24.35f	446987	386286	1.10	1.11	
18)	endosulfan sulfate	23.36	25.21f	541014	443829	0.92	1.14	
19)	methoxychlor	22.99	26.33f	247726	244717	0.97	1.52	#

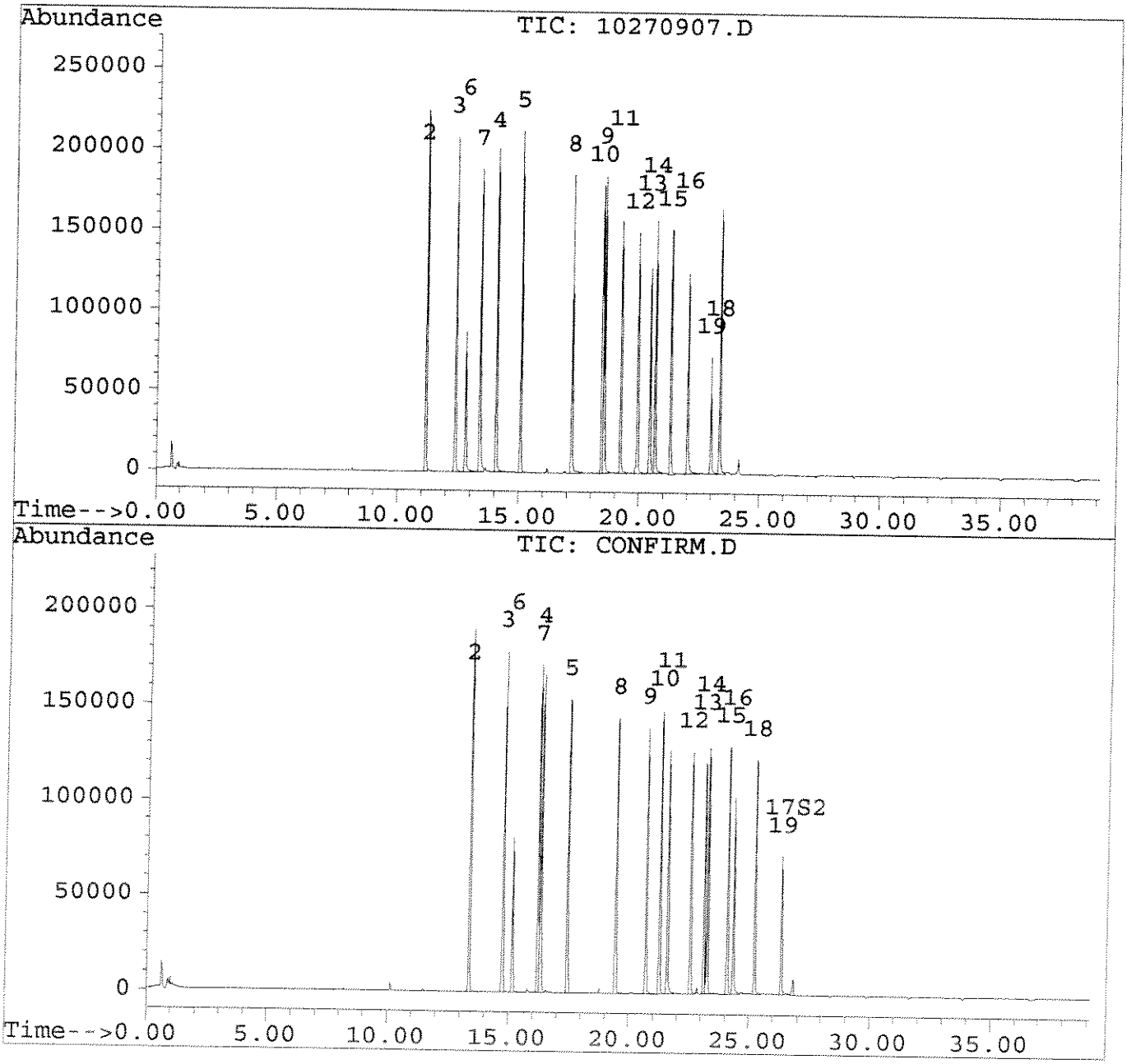
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270907.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\102709\10270907.D\CONFIRM.D
Acq On : 27 Oct 09 06:58 PM Operator: GW
Sample : rmp 2.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 19:39 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270908.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\102709\10270908.D\CONFIRM.D
Acq On : 27 Oct 09 07:42 PM Operator: GW
Sample : surrogate std Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 20:23 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xylene	8.92	10.77f	475288	460473	46.82	52.10
17)	S2 dibutyl chlorendate	24.31	26.68f	436721	354013	49.27	59.83
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	0.00	0	0	N.D.	N.D.
4)	heptachlor	0.00	16.43f	0	650	N.D.	N.D.
5)	aldrin	15.19f	0.00	322	0	N.D.	N.D.
6)	beta BHC	12.72f	0.00	679	0	N.D.	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.
12)	endrin	0.00	0.00	0	0	N.D.	N.D.
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15)	pp DDT	0.00	0.00	0	0	N.D.	N.D.
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
18)	endosulfan sulfate	23.35f	0.00	544	0	N.D.	N.D.
19)	methoxychlor	23.09f	26.40	92	217	N.D.	N.D.

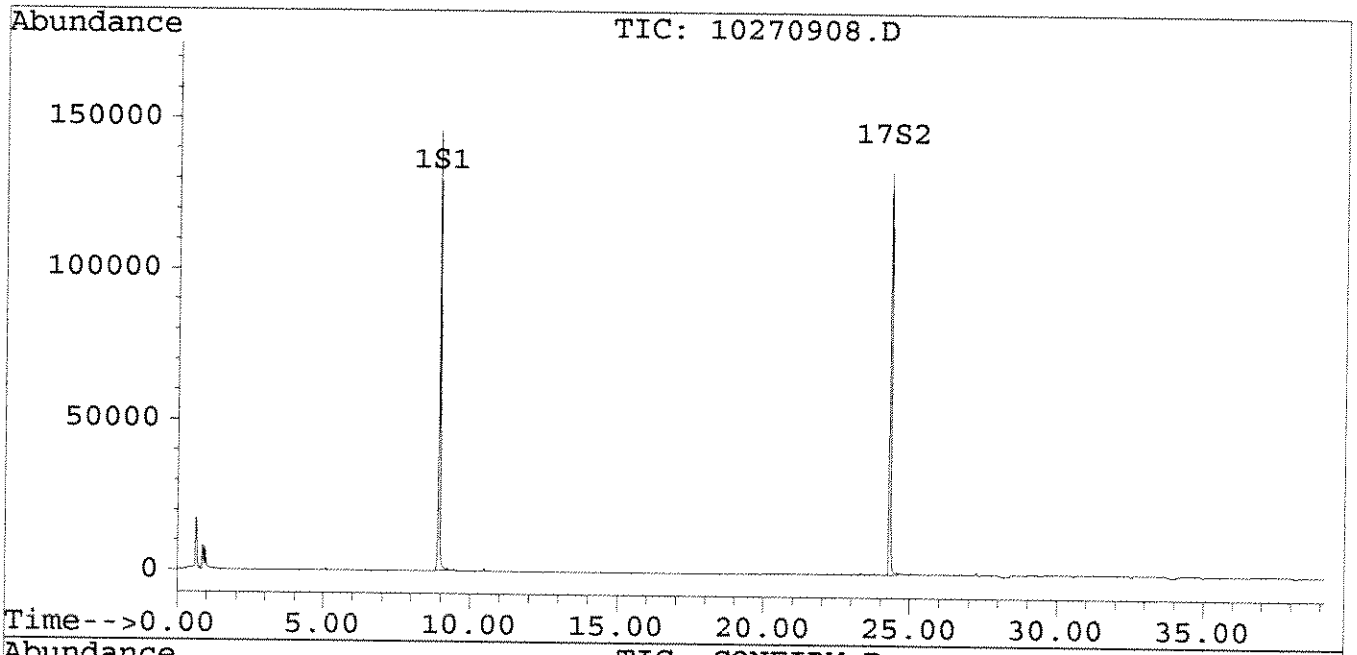
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

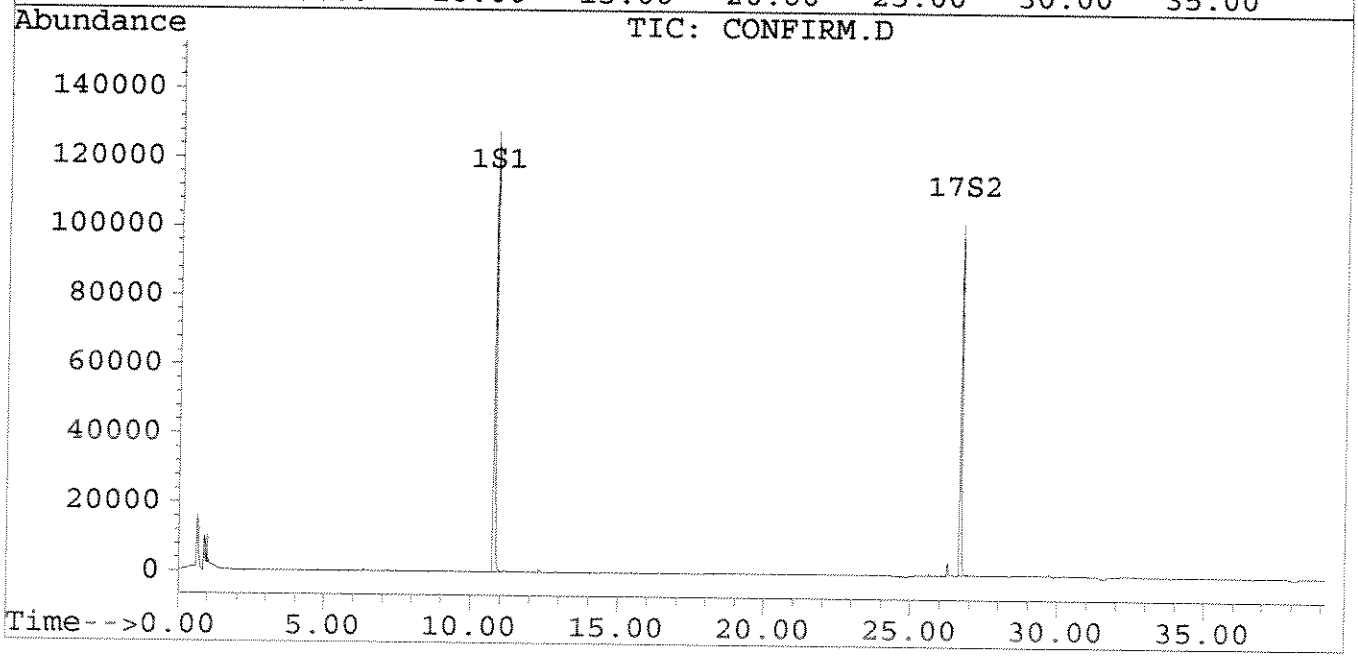
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270908.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\102709\10270908.D\CONFIRM.D
Acq On : 27 Oct 09 07:42 PM Operator: GW
Sample : surrogate std Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 20:23 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270909.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\102709\10270909.D\CONFIRM.D
Acq On : 27 Oct 09 08:25 PM Operator: GW
Sample : cdane 0.2 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 21:06 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorendate	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	14.89f	0	1192	N.D.	N.D.
4)	heptachlor	14.07	16.32f	3952	3300	N.D.	N.D.
5)	aldrin	15.19f	0.00	1639	0	N.D.	N.D.
6)	beta BHC	12.80	0.00	4684	0	N.D.	N.D.
7)	delta BHC	0.00	16.32f	0	3300	N.D.	N.D.
8)	heptachlor epoxide	0.00	19.55f	0	1691	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	21.35	0	2384	N.D.	N.D.
11)	dieldrin	0.00	21.61	0	3138	N.D.	N.D.
12)	endrin	20.04f	0.00	3998	0	N.D.	N.D.
13)	pp DDD	20.44	0.00	2973	0	N.D.	N.D.
14)	endosulfan 2	0.00	23.39f	0	4754	N.D.	N.D.
15)	pp DDT	0.00	0.00	0	0	N.D.	N.D.
16)	endrin aldehyde	22.03	0.00	2541	0	N.D.	N.D.
18)	endosulfan sulfate	0.00	25.23f	0	3628	N.D.	N.D.
19)	methoxychlor	0.00	26.40	0	984	N.D.	N.D.

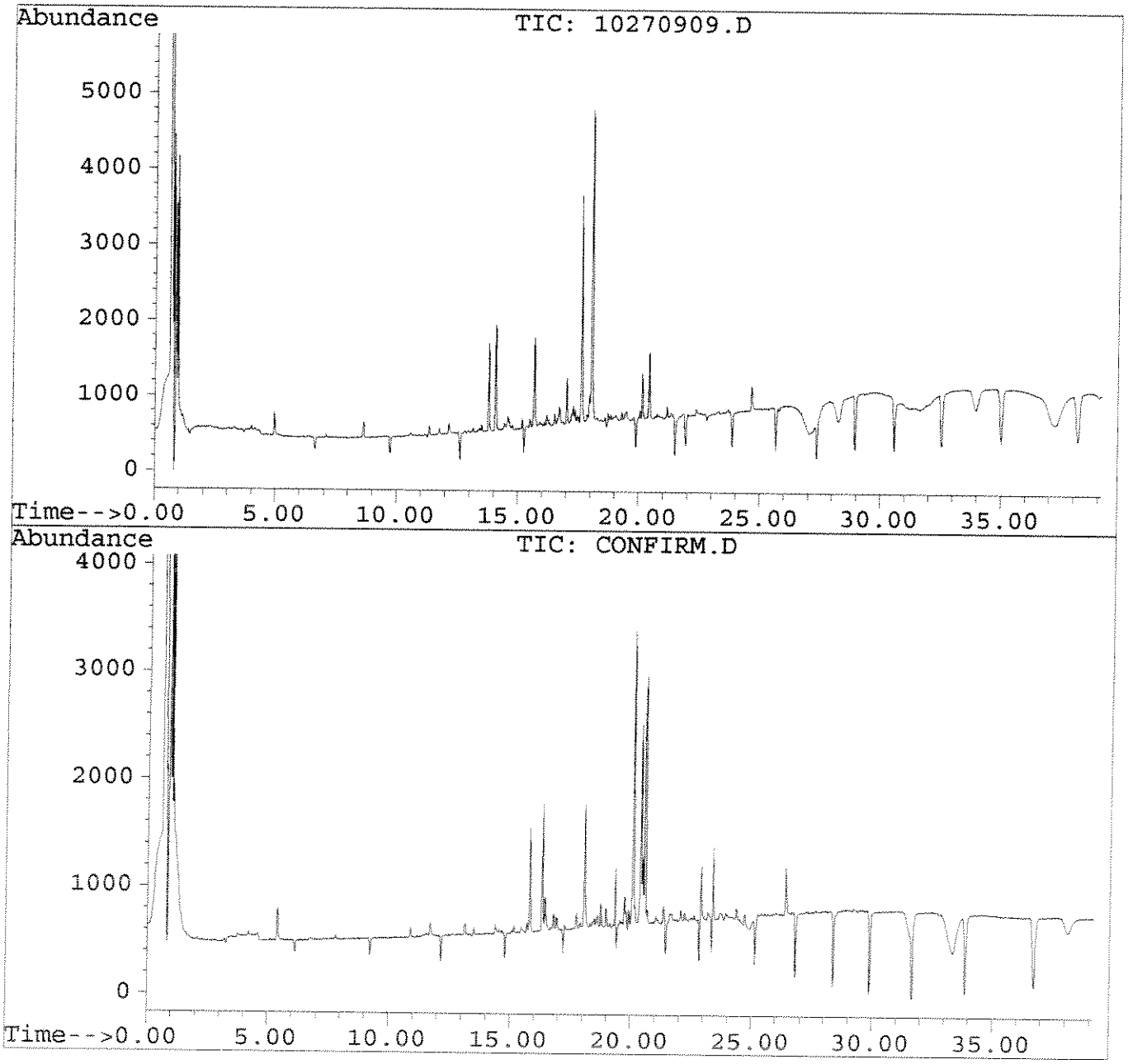
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270909.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\102709\10270909.D\CONFIRM.D
Acq On : 27 Oct 09 08:25 PM Operator: GW
Sample : cdane 0.2 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 21:06 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270910.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\102709\10270910.D\CONFIRM.D
Acq On : 27 Oct 09 09:09 PM Operator: GW
Sample : tox 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 21:49 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.
17)	S2 dibutyl chlorendate	24.39	26.76	3905	2144	0.44	0.36
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	14.88f	0	669	N.D.	N.D.
4)	heptachlor	0.00	16.44f	0	457	N.D.	N.D.
5)	aldrin	15.19f	0.00	639	0	N.D.	N.D.
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.
11)	dieldrin	19.23	21.64	2058	735	N.D.	N.D.
12)	endrin	0.00	22.53f	0	736	N.D.	N.D.
13)	pp DDD	20.53f	23.11f	518	278	N.D.	N.D.
14)	endosulfan 2	20.68	0.00	1073	0	N.D.	N.D.
15)	pp DDT	0.00	24.12	0	4543	N.D.	N.D.
16)	endrin aldehyde	0.00	24.39	0	7035	N.D.	N.D.
18)	endosulfan sulfate	0.00	25.32	0	1622	N.D.	N.D.
19)	methoxychlor	23.00	26.40	11896	1567	N.D.	N.D.

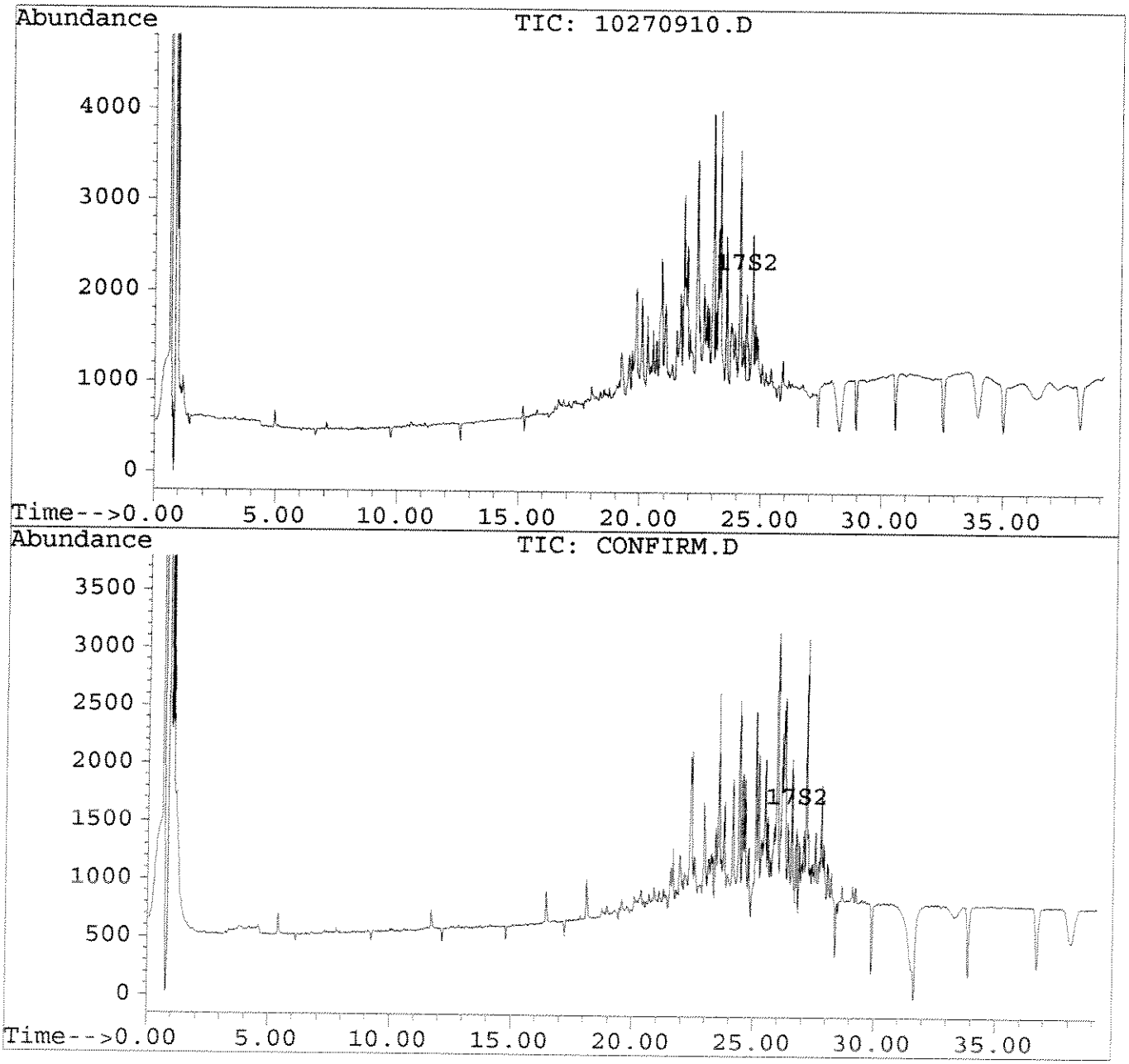
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270910.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\102709\10270910.D\CONFIRM.D
Acq On : 27 Oct 09 09:09 PM Operator: GW
Sample : tox 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 27 21:49 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270911.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\102709\10270911.D\CONFIRM.D
Acq On : 27 Oct 09 09:52 PM Operator: GW
Sample : met blank x1 Inst : SVGC2
Misc : 10/26/09 Multiplr: 1.00
Quant Time: Oct 27 22:33 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	482182	468561	47.50	53.02	
17)	S2 dibutyl chlorendate	24.31	26.68f	521259	390046	58.81	65.92	
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	16.43f	0	71735	N.D.	N.D.	
5)	aldrin	15.17f	0.00	45423	0	0.05	N.D.	#
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	0.00	0.00	0	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	0.00	24.16	0	11249	N.D.	N.D.	
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	0.00	26.40	0	21215	N.D.	0.04	#

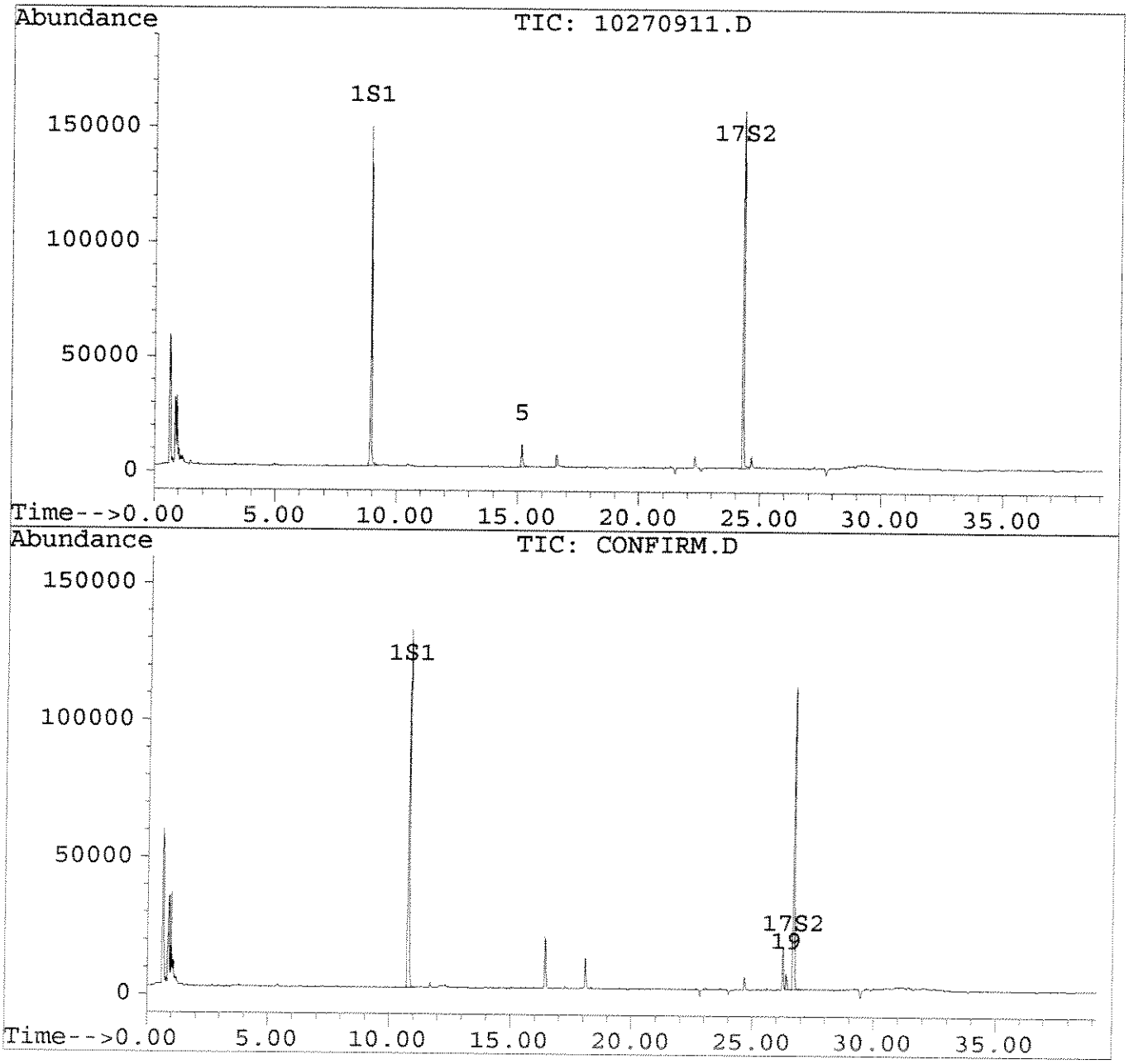
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270911.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\102709\10270911.D\CONFIRM.D
Acq On : 27 Oct 09 09:52 PM Operator: GW
Sample : met blank x1 Inst : SVGC2
Misc : 10/26/09 Multiplr: 1.00
Quant Time: Oct 27 22:33 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270912.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\102709\10270912.D\CONFIRM.D
Acq On : 27 Oct 09 10:35 PM Operator: GW
Sample : pest spk NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 27 23:16 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	525319	525576	51.75	59.47	
17)	S2 dibutyl chlorendate	24.31	26.83f	553568	13862	62.45	2.34	#
	Target Compounds							
2)	alpha BHC	11.16	13.37	316464	279448	0.38	0.43	
3)	lindane	12.39	14.75f	311429	275089	0.41	0.46	
4)	heptachlor	14.07	16.32f	275714	240791	0.39	0.42	
5)	aldrin	15.08	17.41f	253222	210708	0.35	0.39	
6)	beta BHC	12.80	15.16	162465	148426	0.43	0.50	
7)	delta BHC	13.40	16.20	291006	246333	0.38	0.41	
8)	heptachlor epoxide	17.20	19.44f	274495	246524	0.41	0.53	#
9)	endosulfan 1	18.53	20.69f	277063	233654	0.45	0.48	
10)	pp DDE	18.44	21.27f	262767	223290	0.38	0.45	
11)	dieldrin	19.23	21.59f	239582	214390	0.43	0.43	
12)	endrin	19.93	22.55f	237262	213354	0.50	0.48	
13)	pp DDD	20.44	23.12f	202155	191595	0.42	0.53	#
14)	endosulfan 2	20.67	23.24f	278690	236325	0.44	0.51	
15)	pp DDT	21.31	24.09f	241418	213978	0.43	0.58	#
16)	endrin aldehyde	22.01	24.35f	218377	206179	0.47	0.53	
18)	endosulfan sulfate	23.36	25.23f	261339	212616	0.41	0.50	
19)	methoxychlor	22.99	26.33f	131278	140953	0.48	0.83	#

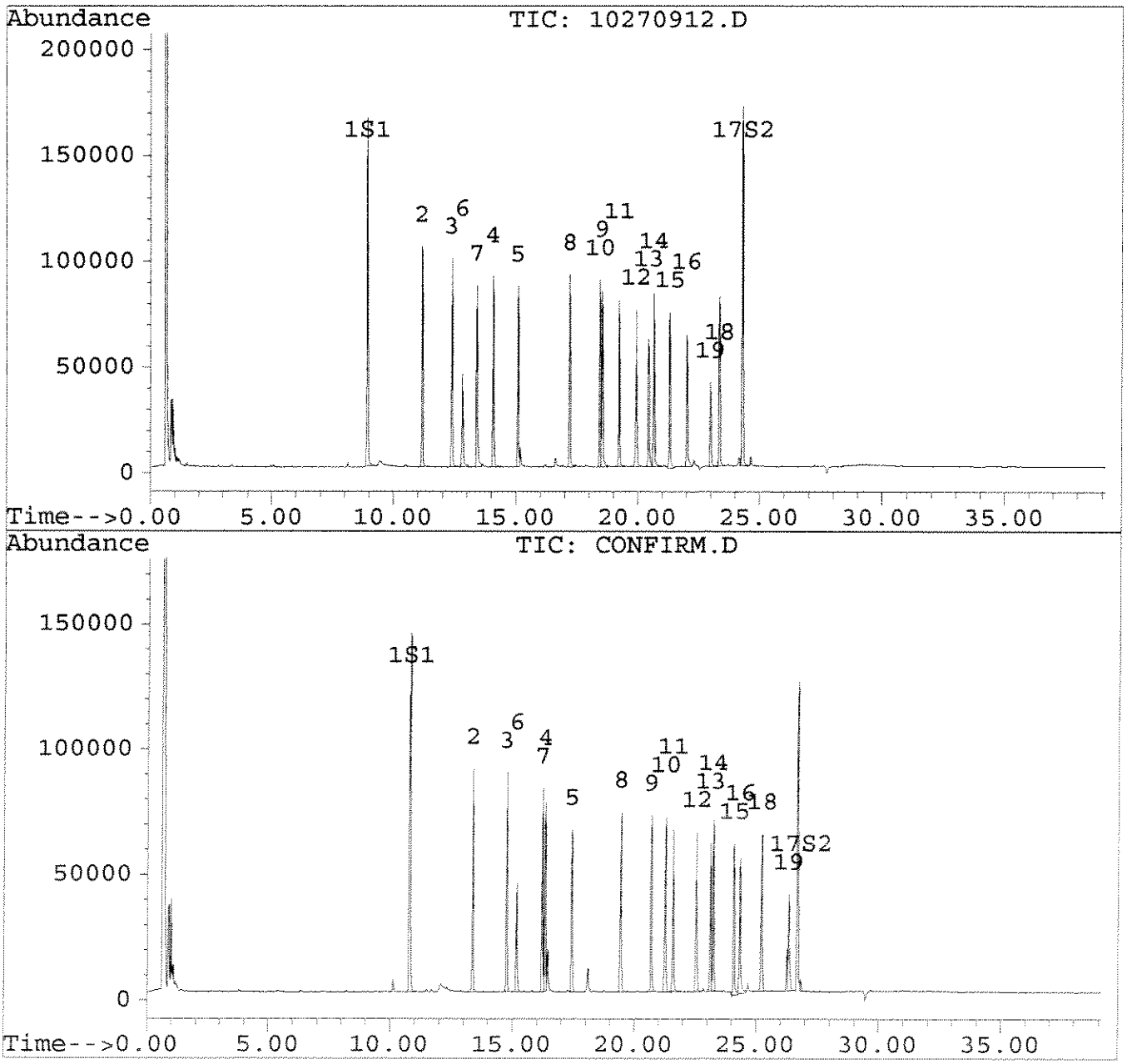
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270912.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\102709\10270912.D\CONFIRM.D
Acq On : 27 Oct 09 10:35 PM Operator: GW
Sample : pest spk NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 27 23:16 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270913.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\102709\10270913.D\CONFIRM.D
Acq On : 27 Oct 09 11:19 PM Operator: GW
Sample : pest spk dp NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 27 23:59 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	515134	517448	50.75	58.55	
17)	S2 dibutyl chlorendate	24.31	26.69f	548464	436307	61.88	73.74	
	Target Compounds							
2)	alpha BHC	11.16	13.37	332753	296736	0.39	0.46	
3)	lindane	12.37	14.75f	328282	292812	0.43	0.49	
4)	heptachlor	14.07	16.32f	291866	259418	0.42	0.47	
5)	aldrin	15.08	17.41f	281977	235134	0.39	0.44	
6)	beta BHC	12.80	15.16	170630	157963	0.46	0.54	
7)	delta BHC	13.40	16.20	310218	266676	0.40	0.45	
8)	heptachlor epoxide	17.20	19.43f	292902	263961	0.44	0.57	#
9)	endosulfan 1	18.53	20.69f	295391	251012	0.48	0.52	
10)	pp DDE	18.44	21.27f	278457	244759	0.40	0.50	
11)	dieldrin	19.23	21.59f	255448	231575	0.46	0.47	
12)	endrin	19.93	22.55f	252354	234641	0.54	0.54	
13)	pp DDD	20.44	23.12f	216266	208842	0.46	0.58	#
14)	endosulfan 2	20.67	23.24f	293649	255448	0.46	0.56	
15)	pp DDT	21.31	24.09f	250114	226100	0.45	0.61	#
16)	endrin aldehyde	22.01	24.35f	232082	225847	0.51	0.59	
18)	endosulfan sulfate	23.36	25.23f	281486	231634	0.45	0.56	
19)	methoxychlor	22.99	26.33f	140447	158068	0.52	0.94	#

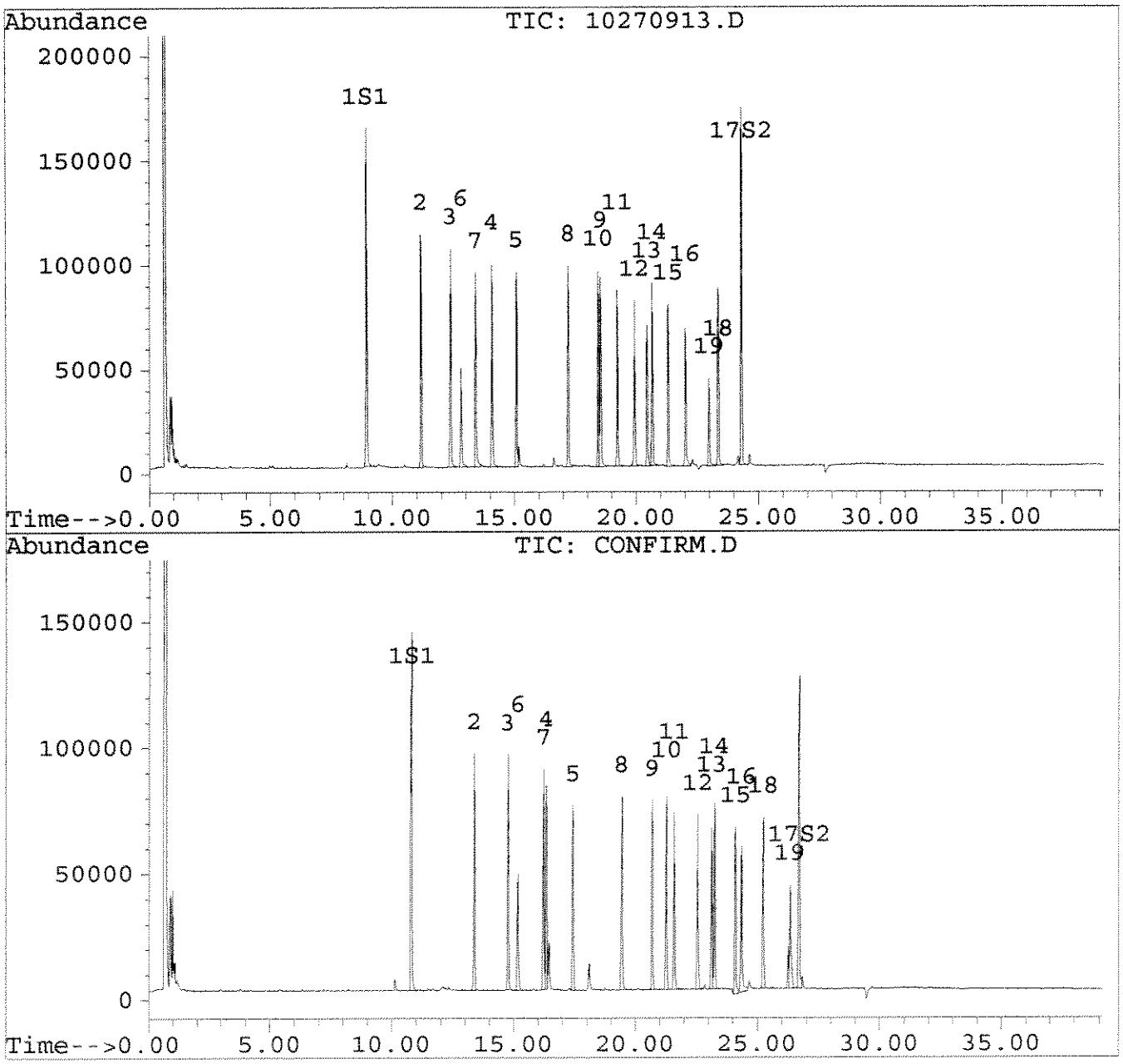
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270913.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\102709\10270913.D\CONFIRM.D
Acq On : 27 Oct 09 11:19 PM Operator: GW
Sample : pest spk dp NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 27 23:59 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270914.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\102709\10270914.D\CONFIRM.D
Acq On : 28 Oct 09 00:02 AM Operator: GW
Sample : pest LCS NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 0:43 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	527159	529129	51.93	59.87	
17)	S2 dibutyl chlorendate	24.31	26.69f	565422	444587	63.79	75.14	
	Target Compounds							
2)	alpha BHC	11.16	13.37	336395	298138	0.40	0.46	
3)	lindane	12.37	14.75f	325009	296877	0.43	0.50	
4)	heptachlor	14.07	16.32f	294708	257118	0.42	0.47	
5)	aldrin	15.08	17.41f	275076	229930	0.38	0.43	
6)	beta BHC	12.80	15.16	165624	158658	0.44	0.54	
7)	delta BHC	13.40	16.20	259954	273879	0.33	0.46	#
8)	heptachlor epoxide	17.20	19.44f	292408	261688	0.44	0.56	#
9)	endosulfan 1	18.53	20.69f	300477	247982	0.49	0.51	
10)	pp DDE	18.44	21.27f	280240	245404	0.41	0.50	
11)	dieldrin	19.23	21.59f	258166	232810	0.47	0.47	
12)	endrin	19.93	22.55f	254211	236962	0.54	0.54	
13)	pp DDD	20.44	23.12f	219633	209744	0.46	0.59	#
14)	endosulfan 2	20.67	23.24f	296852	256753	0.47	0.56	
15)	pp DDT	21.31	24.09f	255174	228580	0.46	0.62	#
16)	endrin aldehyde	22.01	24.35f	239433	227714	0.53	0.60	
18)	endosulfan sulfate	23.36	25.23f	287920	242519	0.46	0.59	#
19)	methoxychlor	22.99	26.33f	138282	156015	0.51	0.93	#

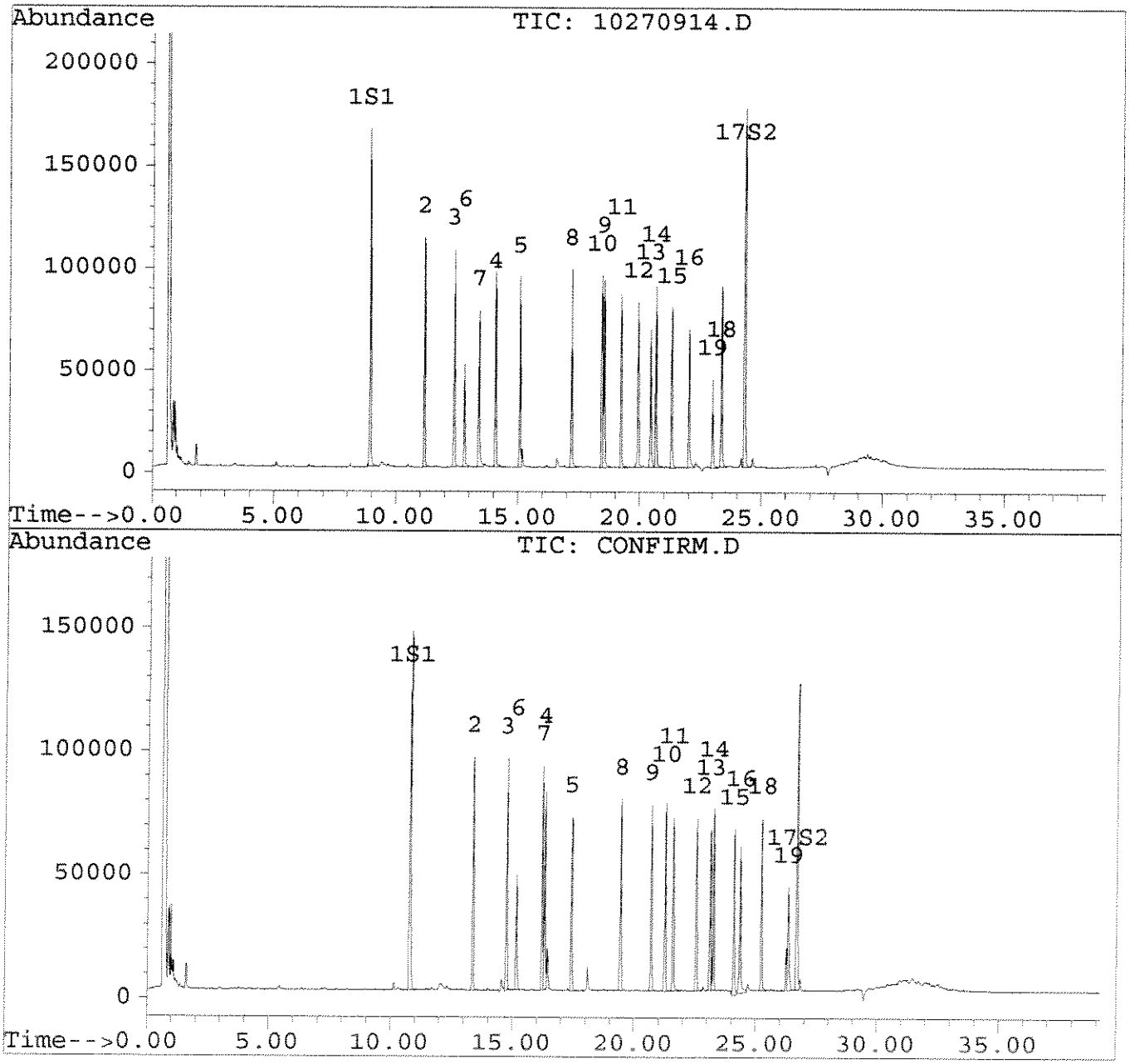
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
10270914.D RMPN1.M Wed Oct 28 00:43:27 2009 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270914.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\102709\10270914.D\CONFIRM.D
Acq On : 28 Oct 09 00:02 AM Operator: GW
Sample : pest LCS NC x1 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 0:43 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270915.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\102709\10270915.D\CONFIRM.D
Acq On : 28 Oct 09 00:45 AM Operator: GW
Sample : met blank x10 Inst : SVGC2
Misc : 10/27/09 Multiplr: 1.00
Quant Time: Oct 28 1:26 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	454598	448458	44.78	50.74	
17)	S2 dibutyl chlorendate	24.31	26.68f	551336	424542	62.20	71.75	
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	16.43f	0	54070	N.D.	N.D.	
5)	aldrin	15.17f	0.00	31603	0	0.03	N.D.	#
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	0.00	0.00	0	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	0.00	24.16	0	8961	N.D.	N.D.	
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	0.00	26.40	0	14595	N.D.	N.D.	

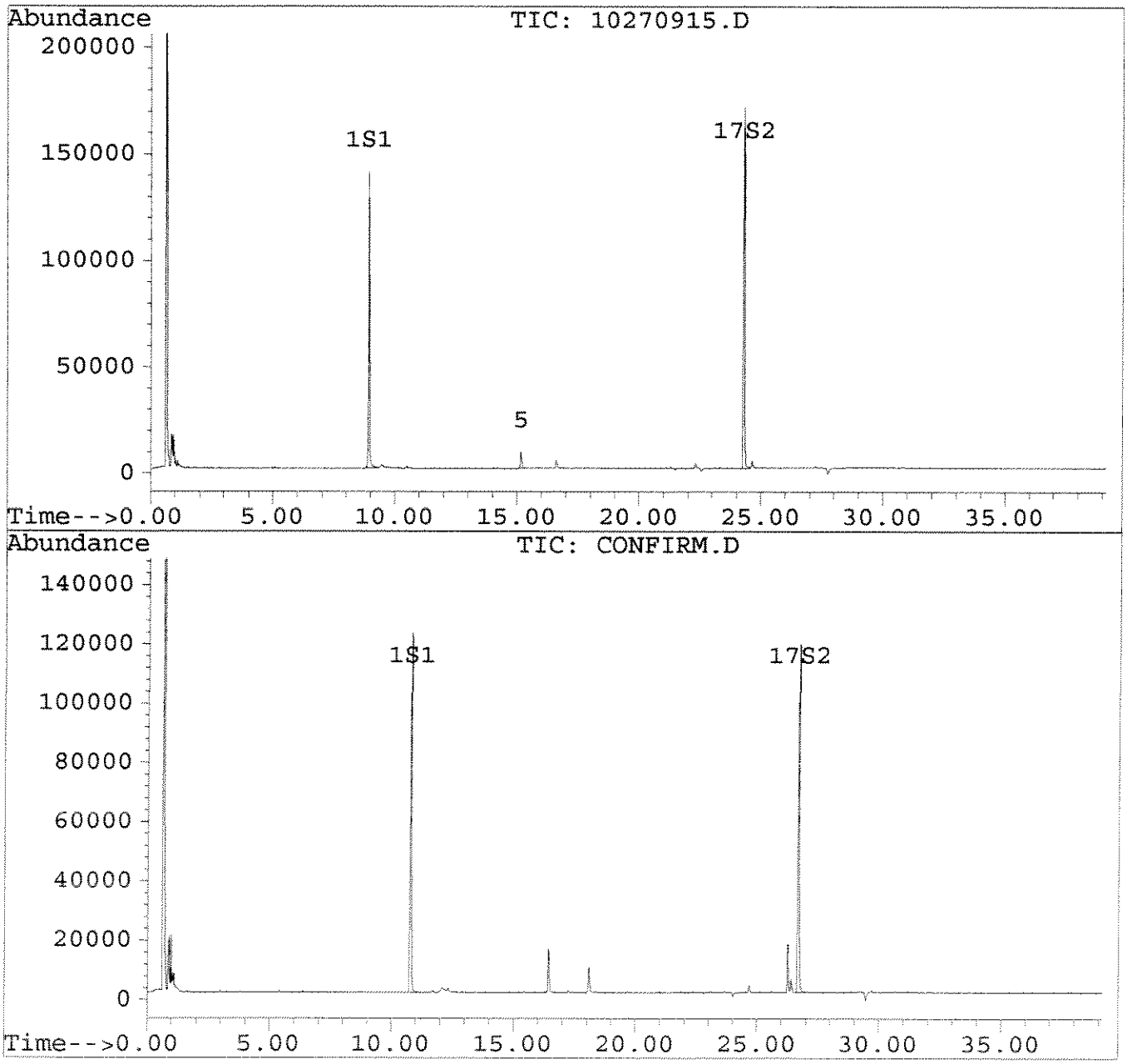
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270915.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\102709\10270915.D\CONFIRM.D
Acq On : 28 Oct 09 00:45 AM Operator: GW
Sample : met blank x10 Inst : SVGC2
Misc : 10/27/09 Multiplr: 1.00
Quant Time: Oct 28 1:26 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270916.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\102709\10270916.D\CONFIRM.D
Acq On : 28 Oct 09 01:29 AM Operator: GW
Sample : pest spk NC x10 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 2:09 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	467672	472356	46.07	53.45	
17)	S2 dibutyl chlorendate	24.31	26.69f	551530	432116	62.22	73.03	
	Target Compounds							
2)	alpha BHC	11.16	13.37	298777	266079	0.35	0.41	
3)	lindane	12.39	14.75f	297301	266205	0.39	0.44	
4)	heptachlor	14.07	16.32f	279408	245686	0.40	0.44	
5)	aldrin	15.08	17.41f	273278	228575	0.37	0.43	
6)	beta BHC	12.80	15.16	156458	144267	0.42	0.48	
7)	delta BHC	13.40	16.20	275291	245653	0.35	0.41	
8)	heptachlor epoxide	17.20	19.44f	266346	240478	0.39	0.52	#
9)	endosulfan 1	18.53	20.69f	277559	229381	0.45	0.47	
10)	pp DDE	18.44	21.27f	255703	226104	0.37	0.46	
11)	dieldrin	19.23	21.59f	235774	210052	0.43	0.42	
12)	endrin	19.93	22.55f	232807	213981	0.49	0.48	
13)	pp DDD	20.44	23.12f	198371	189872	0.42	0.53	#
14)	endosulfan 2	20.67	23.24f	270044	235206	0.42	0.51	
15)	pp DDT	21.31	24.09f	233225	217733	0.41	0.59	#
16)	endrin aldehyde	22.01	24.35f	216279	207413	0.47	0.53	
18)	endosulfan sulfate	23.36	25.23f	262510	219796	0.42	0.52	#
19)	methoxychlor	22.99	26.33f	131321	135514	0.48	0.80	#

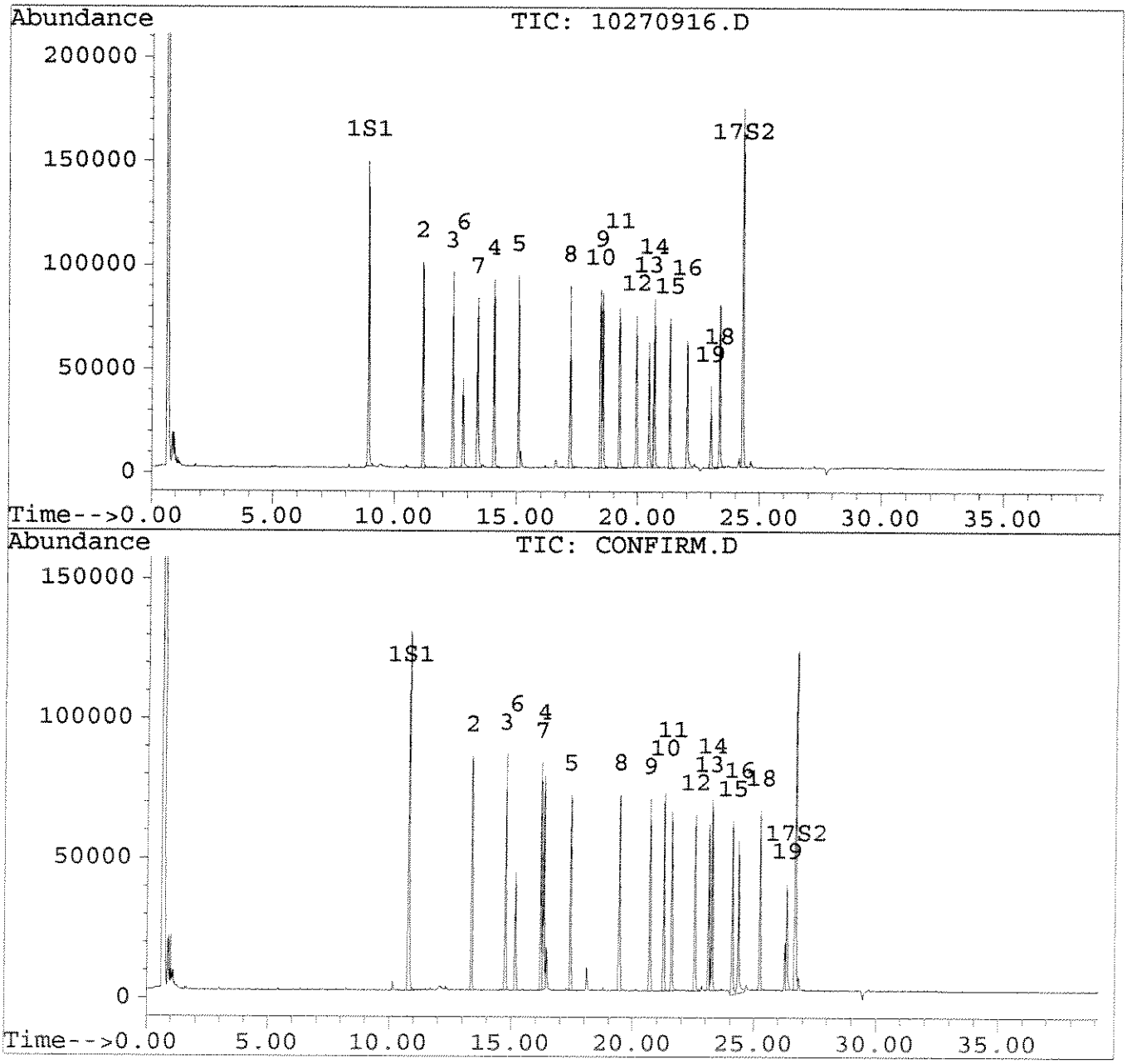
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270916.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\102709\10270916.D\CONFIRM.D
Acq On : 28 Oct 09 01:29 AM Operator: GW
Sample : pest spk NC x10 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 2:09 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270917.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\102709\10270917.D\CONFIRM.D
Acq On : 28 Oct 09 02:12 AM Operator: GW
Sample : pest spk dp NC x10 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 2:53 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	494392	496413	48.70	56.17	
17)	S2 dibutyl chlorendate	24.31	26.83f	535394	11820	60.40	2.00	#
	Target Compounds							
2)	alpha BHC	11.16	13.37	312656	279868	0.37	0.43	
3)	lindane	12.37	14.75f	309910	278264	0.41	0.47	
4)	heptachlor	14.07	16.32f	288672	257578	0.41	0.47	
5)	aldrin	15.08	17.41f	284598	239498	0.39	0.45	
6)	beta BHC	12.80	15.16	162289	150124	0.43	0.51	
7)	delta BHC	13.40	16.20	294815	256113	0.38	0.43	
8)	heptachlor epoxide	17.20	19.44f	276909	251119	0.41	0.54	#
9)	endosulfan 1	18.53	20.69f	289466	237854	0.47	0.49	
10)	pp DDE	18.44	21.27f	266230	236083	0.39	0.48	
11)	dieldrin	19.23	21.59f	245563	218620	0.44	0.44	
12)	endrin	19.93	22.55f	242262	221841	0.52	0.50	
13)	pp DDD	20.44	23.12f	206131	196394	0.43	0.55	#
14)	endosulfan 2	20.67	23.24f	280736	240582	0.44	0.52	
15)	pp DDT	21.31	24.09f	244164	224560	0.43	0.61	#
16)	endrin aldehyde	22.01	24.35f	224847	213277	0.49	0.55	
18)	endosulfan sulfate	23.36	25.23f	271015	226332	0.43	0.54	#
19)	methoxychlor	22.99	26.33f	135366	139492	0.50	0.82	#

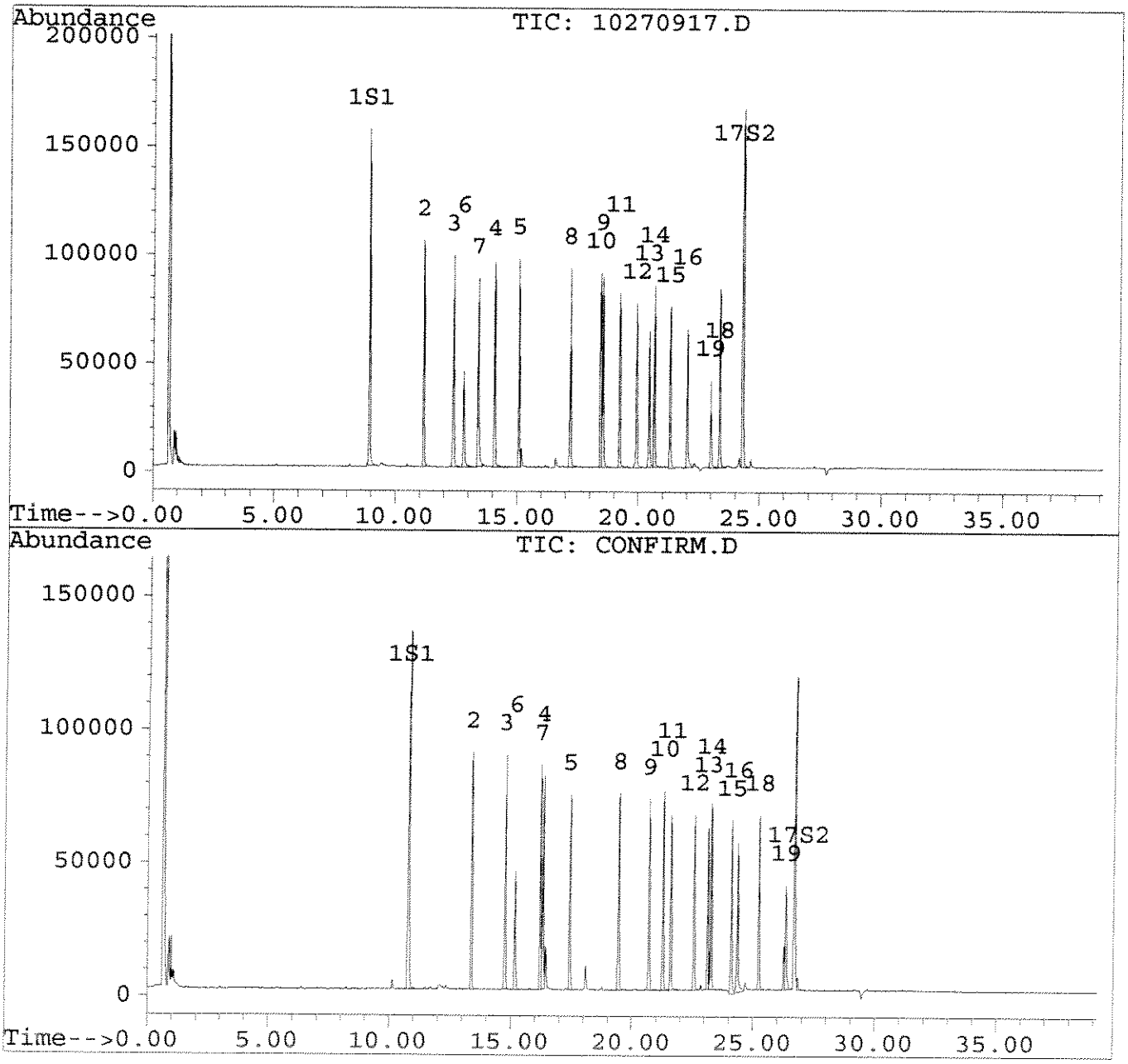
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270917.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\102709\10270917.D\CONFIRM.D
Acq On : 28 Oct 09 02:12 AM Operator: GW
Sample : pest spk dp NC x10 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 2:53 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270918.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\102709\10270918.D\CONFIRM.D
Acq On : 28 Oct 09 02:55 AM Operator: GW
Sample : pest LCS NC x10 Inst : SVGC2
Misc : 1.0 rmp Multiplr: 1.00
Quant Time: Oct 28 3:36 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.79	532675	539345	52.48	61.03	
17)	S2 dibutyl chlorendate	24.31	26.83f	579207	14849	65.35	2.51	#
	Target Compounds							
2)	alpha BHC	11.16	13.37	335151	300610	0.40	0.46	
3)	lindane	12.39	14.75f	331189	297266	0.44	0.50	
4)	heptachlor	14.07	16.32f	305497	276180	0.44	0.52	
5)	aldrin	15.08	17.41f	306483	259338	0.42	0.49	
6)	beta BHC	12.80	15.16	171606	158991	0.46	0.54	
7)	delta BHC	13.40	16.20	317572	277727	0.41	0.47	
8)	heptachlor epoxide	17.20	19.44f	298597	268432	0.45	0.58	#
9)	endosulfan 1	18.53	20.69f	309022	252993	0.51	0.52	
10)	pp DDE	18.44	21.27f	283699	253023	0.41	0.52	#
11)	dieldrin	19.23	21.59f	263332	238006	0.48	0.48	
12)	endrin	19.93	22.55f	262806	239561	0.56	0.55	
13)	pp DDD	20.44	23.12f	221956	212735	0.47	0.59	#
14)	endosulfan 2	20.67	23.24f	296167	260243	0.47	0.57	
15)	pp DDT	21.31	24.09f	261096	241510	0.47	0.66	#
16)	endrin aldehyde	22.01	24.35f	237553	229510	0.53	0.60	
18)	endosulfan sulfate	23.36	25.23f	290002	244974	0.47	0.59	#
19)	methoxychlor	22.99	26.33f	144519	149690	0.53	0.89	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270921.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\102709\10270921.D\CONFIRM.D
Acq On : 28 Oct 09 05:05 AM Operator: GW
Sample : 1221 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 5:46 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2
	System Monitoring Compounds						
1)	S1 tetrachloro-m-xylene	8.93	0.00	429	0	0.04	N.D. #
17)	S2 dibutyl chlorendate	0.00	0.00	0	0	N.D.	N.D.
	Target Compounds						
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.
3)	lindane	0.00	0.00	0	0	N.D.	N.D.
4)	heptachlor	0.00	16.44f	0	120	N.D.	N.D.
5)	aldrin	0.00	0.00	0	0	N.D.	N.D.
6)	beta BHC	0.00	15.28f	0	315	N.D.	N.D.
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.
12)	endrin	0.00	0.00	0	0	N.D.	N.D.
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.
15)	pp DDT	0.00	0.00	0	0	N.D.	N.D.
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
19)	methoxychlor	0.00	26.40	0	2315	N.D.	N.D.

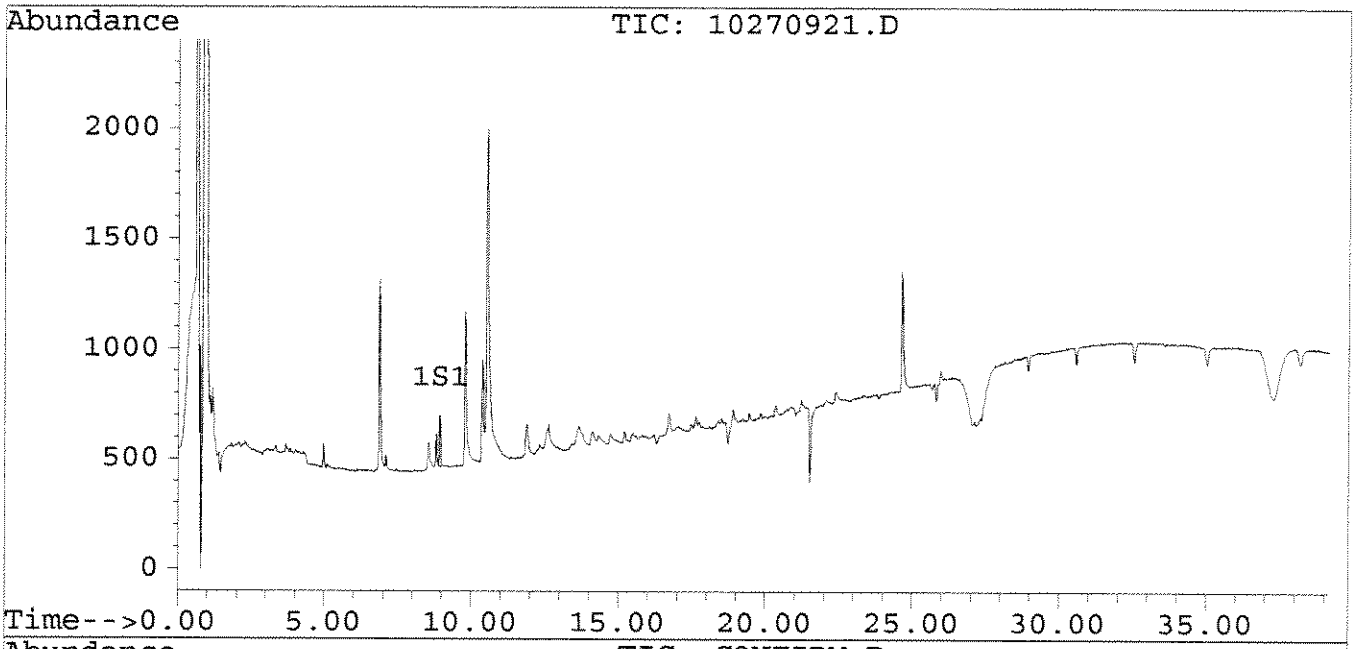
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

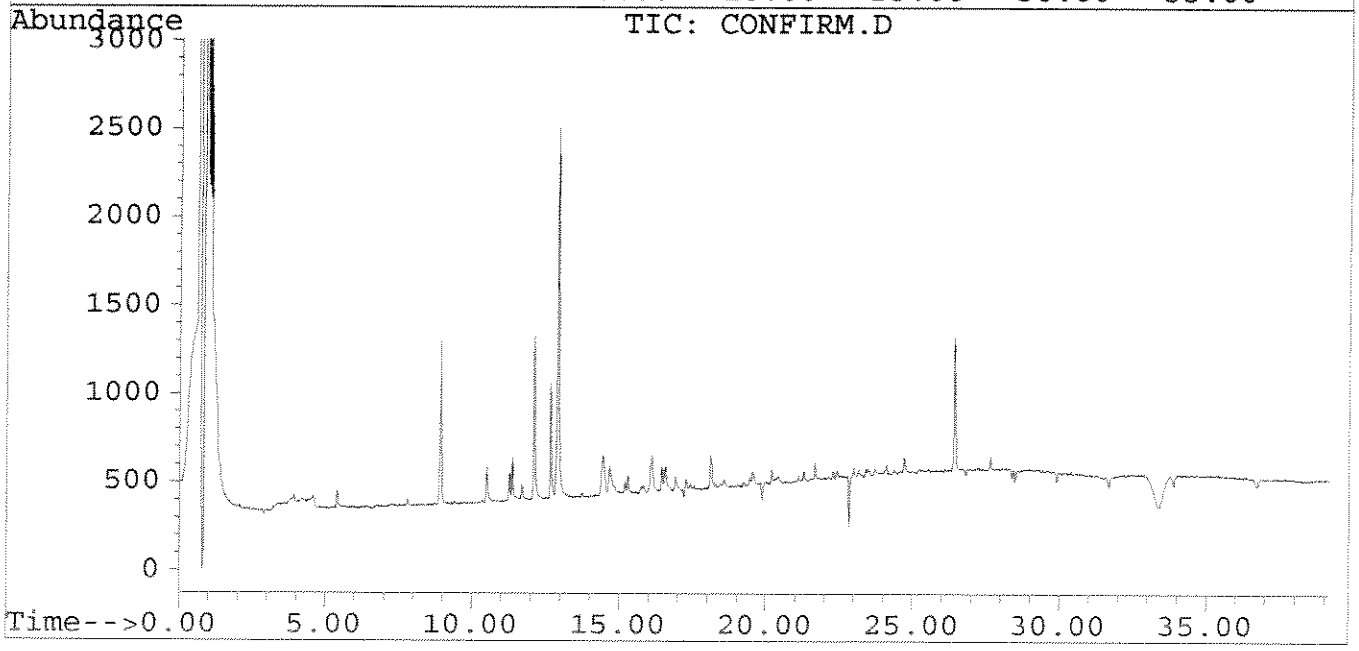
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270921.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\102709\10270921.D\CONFIRM.D
Acq On : 28 Oct 09 05:05 AM Operator: GW
Sample : 1221 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 5:46 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270922.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\102709\10270922.D\CONFIRM.D
Acq On : 28 Oct 09 05:49 AM Operator: GW
Sample : 4399.00 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 6:29 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	458006	454102	45.12	51.38	
17)	S2 dibutyl chlorendate	24.31	26.68f	460659	347583	51.97	58.75	
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	16.43f	0	114867	N.D.	0.08	#
5)	aldrin	15.16	0.00	65322	0	0.08	N.D.	#
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	0.00	0.00	0	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	0.00	24.16	0	26334	N.D.	0.02	#
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	23.09f	26.40	18470	36761	N.D.	0.14	

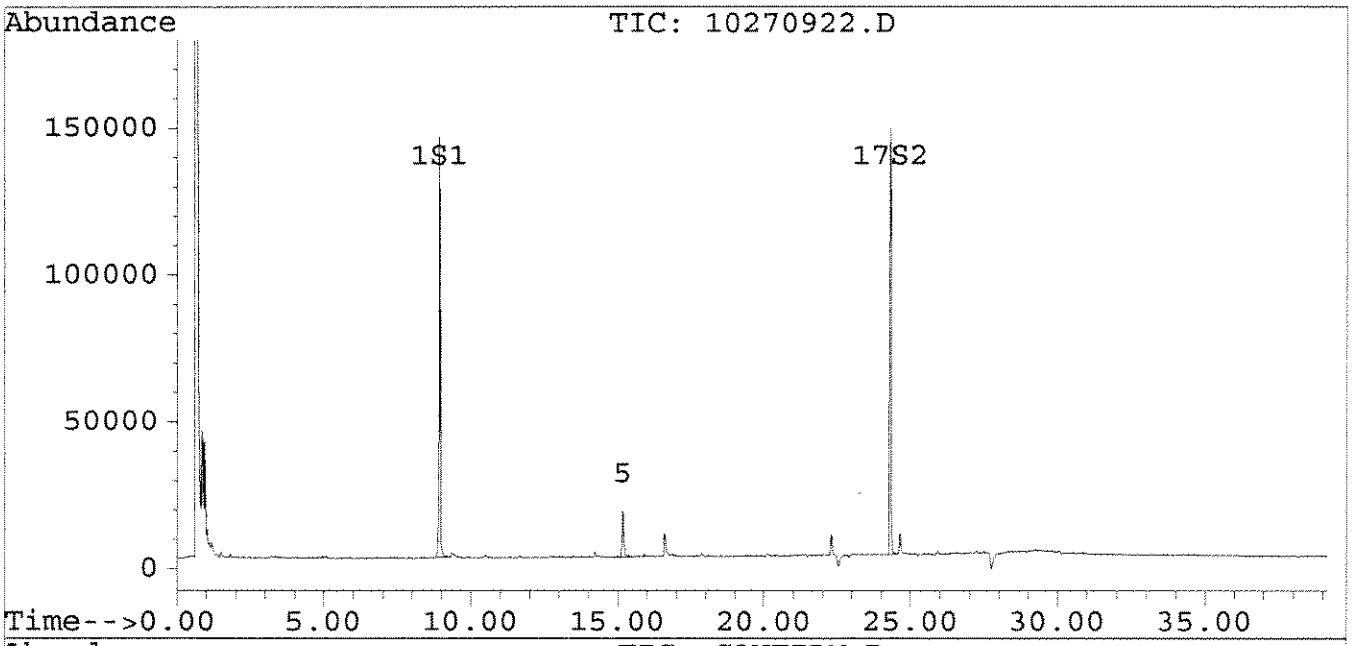
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

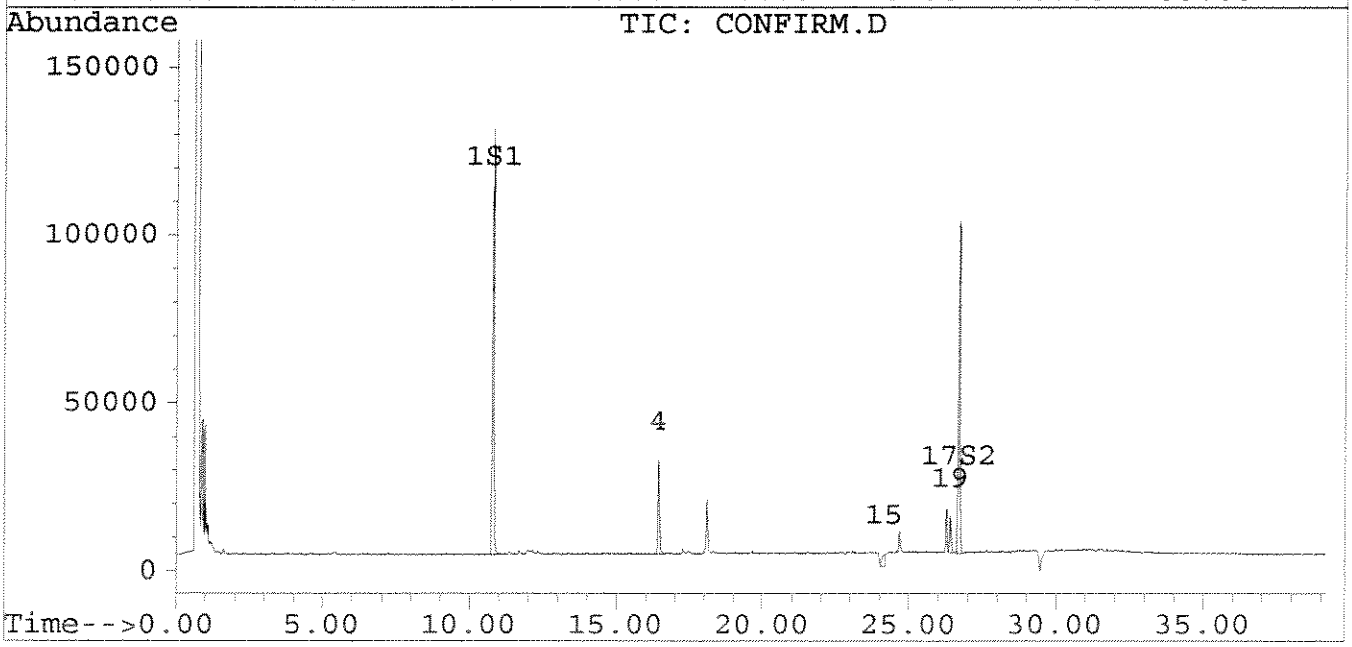
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270922.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\102709\10270922.D\CONFIRM.D
Acq On : 28 Oct 09 05:49 AM Operator: GW
Sample : 4399.00 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 6:29 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270923.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\102709\10270923.D\CONFIRM.D
Acq On : 28 Oct 09 06:32 AM Operator: GW
Sample : 4423.01 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 7:13 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	314968	311399	31.03	35.24	
17)	S2 dibutyl chlorendate	24.29f	26.68f	180966	143627	20.42	24.27	
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	16.43f	0	68906	N.D.	N.D.	
5)	aldrin	15.16	0.00	41709	0	0.04	N.D.	#
6)	beta BHC	12.77	15.19	6458	5286	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	17.13f	0.00	28154	0	N.D.	N.D.	
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	21.64	0	5488	N.D.	N.D.	
12)	endrin	0.00	22.57	0	4538	N.D.	N.D.	
13)	pp DDD	20.36f	0.00	2444	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	0.00	24.15	0	26024	N.D.	0.02	#
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	22.97	26.40	6842	43702	N.D.	0.19	

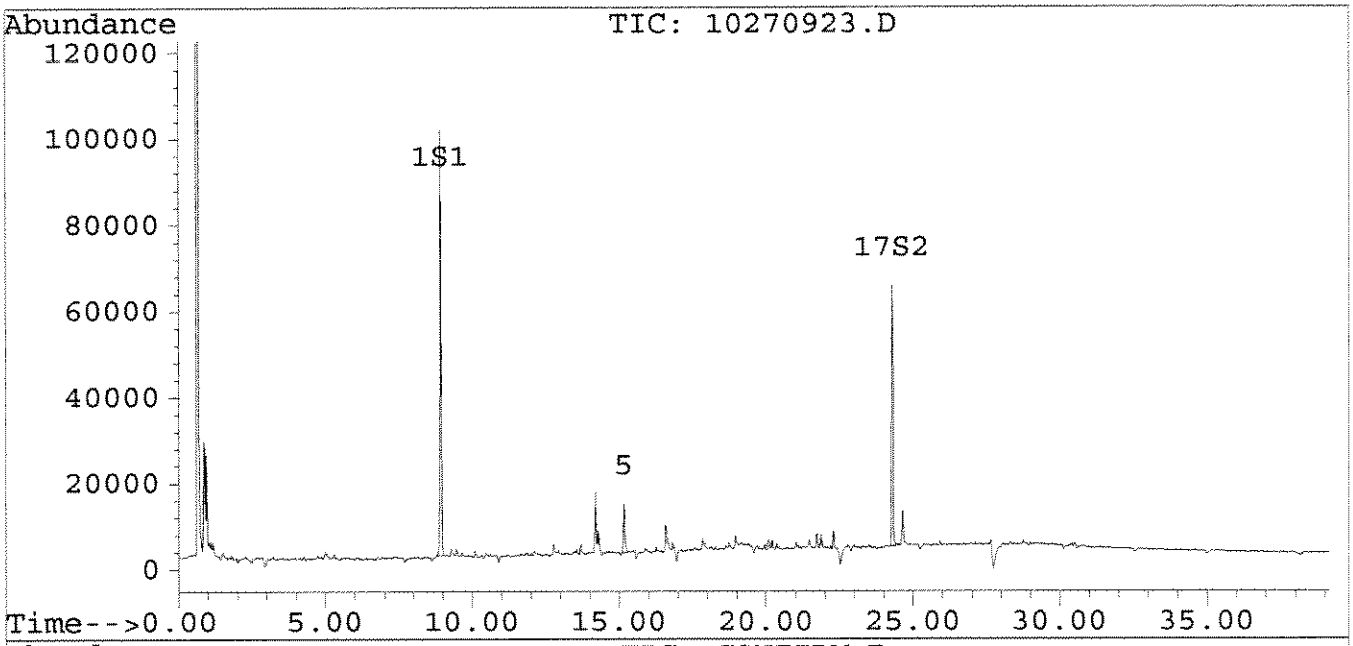
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

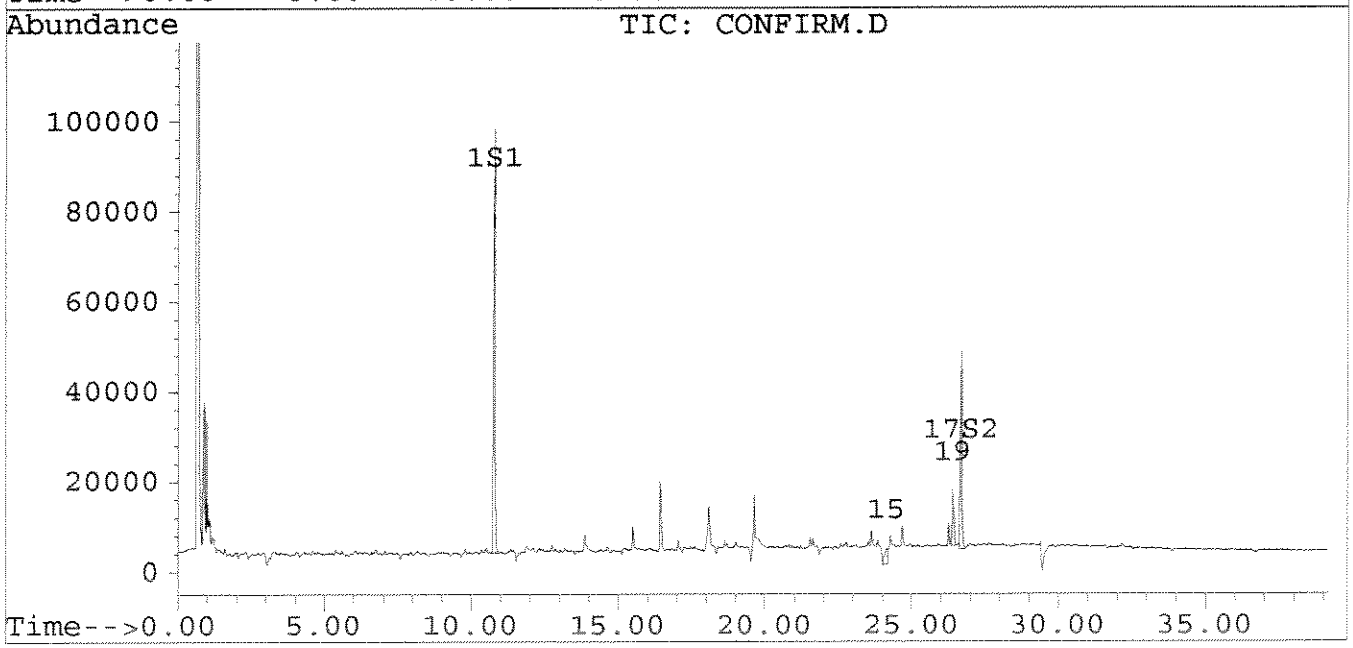
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270923.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\102709\10270923.D\CONFIRM.D
Acq On : 28 Oct 09 06:32 AM Operator: GW
Sample : 4423.01 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 7:13 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270924.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\102709\10270924.D\CONFIRM.D
Acq On : 28 Oct 09 07:15 AM Operator: GW
Sample : 4423.03 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 7:56 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	328407	312073	32.35	35.31	
17)	S2 dibutyl chlorendate	24.29f	26.68f	263979	195482	29.78	33.04	
	Target Compounds							
2)	alpha BHC	11.21	0.00	311	0	N.D.	N.D.	
3)	lindane	0.00	14.84	0	45476	N.D.	0.05	#
4)	heptachlor	0.00	16.44f	0	60709	N.D.	N.D.	
5)	aldrin	15.16	0.00	37252	0	0.04	N.D.	#
6)	beta BHC	12.79	0.00	18634	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	0.00	0.00	0	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	21.64	0	2206	N.D.	N.D.	
12)	endrin	0.00	0.00	0	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	21.41f	24.17	29095	19278	0.02	0.00	#
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	22.99	26.40	5372	17494	N.D.	0.02	

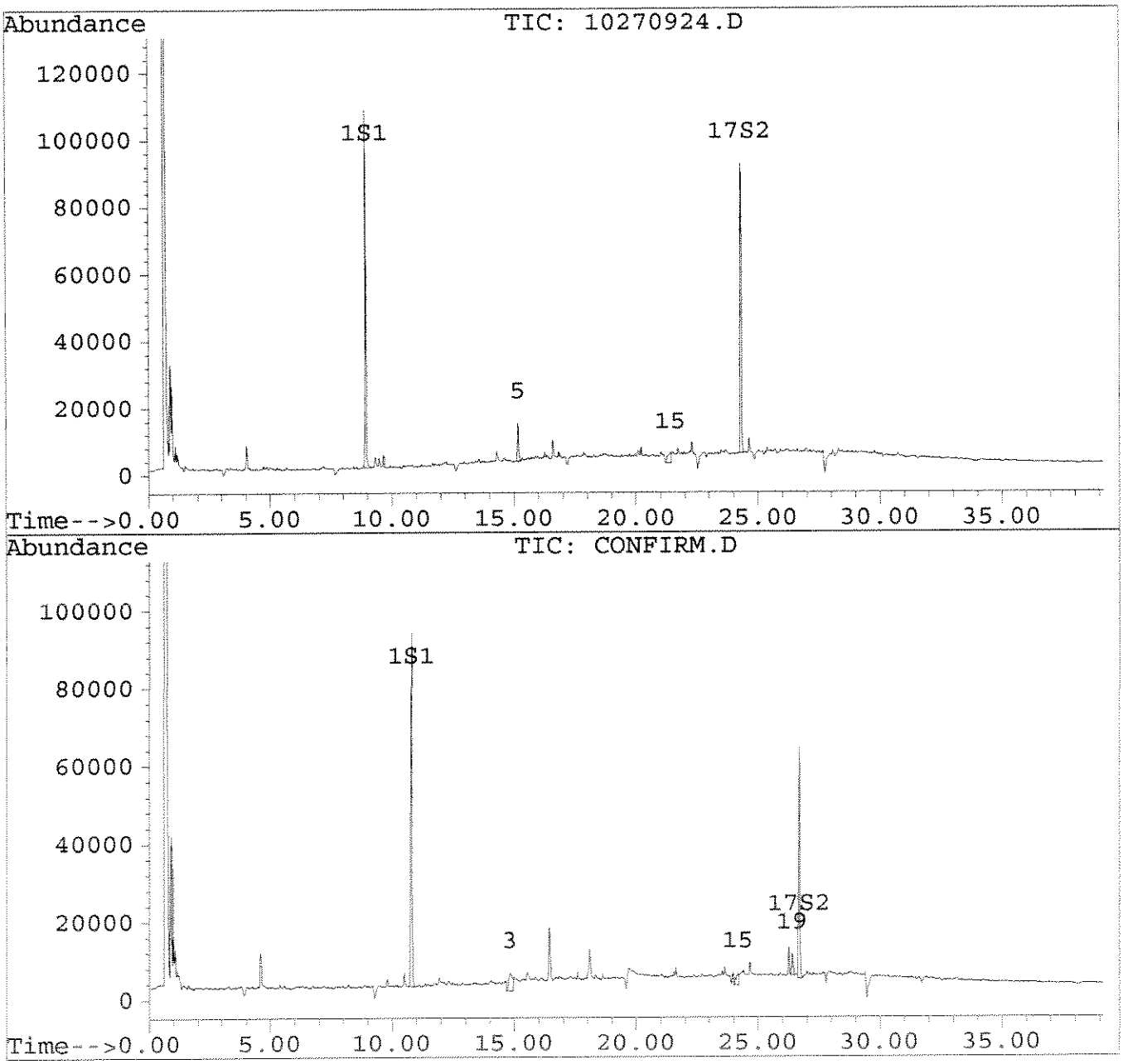
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270924.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\102709\10270924.D\CONFIRM.D
Acq On : 28 Oct 09 07:15 AM Operator: GW
Sample : 4423.03 NC x1 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 7:56 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270925.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\102709\10270925.D\CONFIRM.D
Acq On : 28 Oct 09 07:58 AM Operator: GW
Sample : 4491.00 NC x10 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 8:39 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.92	10.77f	391538	383780	38.57	43.43	
17)	S2 dibutyl chlorendate	24.29f	26.68f	500145	367790	56.43	62.16	
	Target Compounds							
2)	alpha BHC	11.13f	0.00	15230	0	0.01	N.D.	#
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	16.43f	0	49424	N.D.	N.D.	
5)	aldrin	15.16	0.00	29999	0	0.03	N.D.	#
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	18.57	0.00	2659	0	N.D.	N.D.	
10)	pp DDE	0.00	0.00	0	0	N.D.	N.D.	
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	0.00	0.00	0	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	0.00	24.16	0	14306	N.D.	N.D.	
16)	endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	23.09f	26.40	3402	14851	N.D.	N.D.	

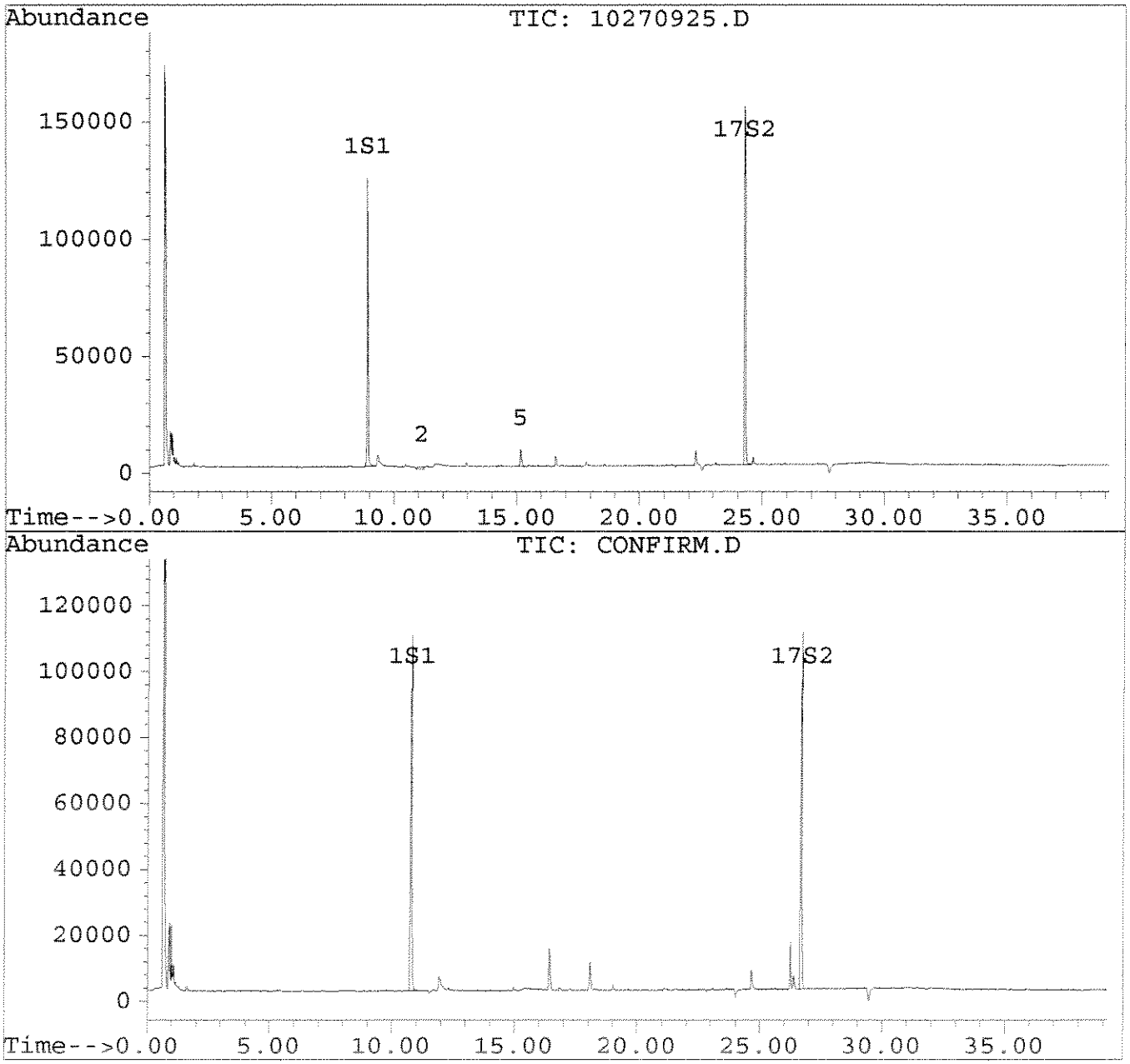
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270925.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\102709\10270925.D\CONFIRM.D
Acq On : 28 Oct 09 07:58 AM Operator: GW
Sample : 4491.00 NC x10 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 8:39 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270926.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\102709\10270926.D\CONFIRM.D
Acq On : 28 Oct 09 08:42 AM Operator: GW
Sample : 1242 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 9:22 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	8.93	0.00	478	0	0.05	N.D.	#
17)	S2 dibutyl chlorendate	0.00	0.00	0	0	N.D.	N.D.	
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	12.31f	14.83	753	558	N.D.	N.D.	
4)	heptachlor	14.05	0.00	7916	0	N.D.	N.D.	
5)	aldrin	0.00	17.51	0	4558	N.D.	N.D.	
6)	beta BHC	0.00	15.17	0	2634	N.D.	N.D.	
7)	delta BHC	13.35f	0.00	2302	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	19.43f	0	6353	N.D.	0.01	#
9)	endosulfan 1	18.59	0.00	1511	0	N.D.	N.D.	
10)	pp DDE	18.45	21.28	1194	1475	N.D.	N.D.	
11)	dieldrin	19.20f	21.65	255	2050	N.D.	N.D.	
12)	endrin	19.96	0.00	1058	0	N.D.	N.D.	
13)	pp DDD	0.00	0.00	0	0	N.D.	N.D.	
14)	endosulfan 2	20.64f	23.39f	2008	663	N.D.	N.D.	
15)	pp DDT	0.00	0.00	0	0	N.D.	N.D.	
16)	endrin aldehyde	22.08	0.00	1626	0	N.D.	N.D.	
18)	endosulfan sulfate	0.00	25.23f	0	2332	N.D.	N.D.	
19)	methoxychlor	0.00	26.40	0	1447	N.D.	N.D.	

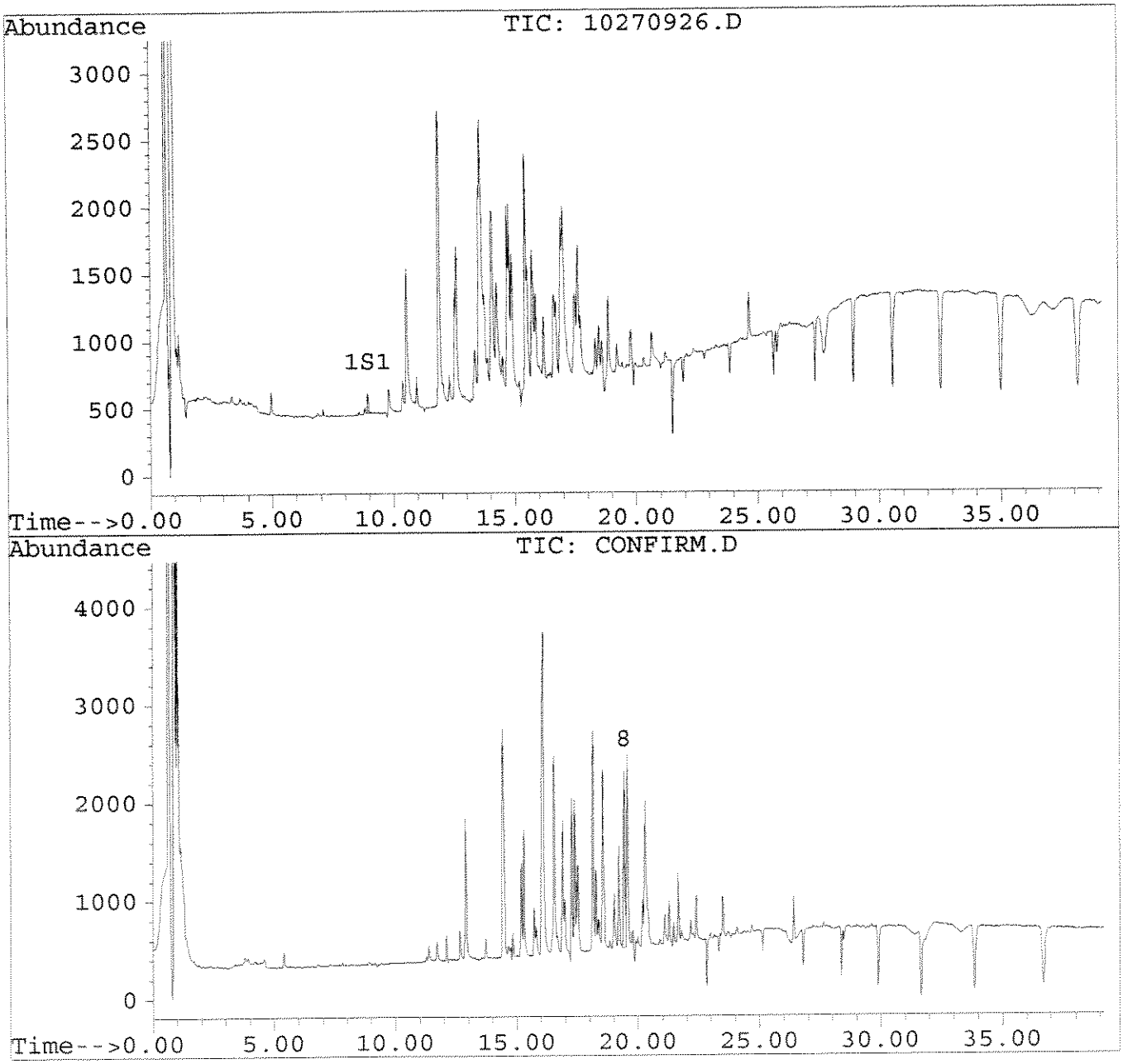
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270926.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\102709\10270926.D\CONFIRM.D
Acq On : 28 Oct 09 08:42 AM Operator: GW
Sample : 1242 1.0 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 9:22 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270927.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\102709\10270927.D\CONFIRM.D
Acq On : 28 Oct 09 10:17 AM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 10:57 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.84f	0	29474	N.D.	4.98	#
	Target Compounds							
2)	alpha BHC	11.17	13.37	606850	538126	0.73	0.84	
3)	lindane	12.39	14.76	571742	525431	0.77	0.91	
4)	heptachlor	14.08	16.32f	547267	501052	0.85	1.12	#
5)	aldrin	15.09	17.43f	554033	466839	0.78	0.88	
6)	beta BHC	12.81	15.16	269923	250007	0.77	0.91	
7)	delta BHC	13.41	16.20	558322	483550	0.74	0.85	
8)	heptachlor epoxide	17.21	19.44f	507227	454505	0.81	0.98	
9)	endosulfan 1	18.55	20.69f	507671	428409	0.88	0.92	
10)	pp DDE	18.45	21.27f	495078	438767	0.75	0.91	
11)	dieldrin	19.24	21.59f	461802	403049	0.86	0.84	
12)	endrin	19.95	22.55f	447534	401711	0.98	0.98	
13)	pp DDD	20.45	23.12f	393324	366963	0.86	1.06	
14)	endosulfan 2	20.67	23.25f	487782	403221	0.82	0.91	
15)	pp DDT	21.31	24.09f	451591	404516	0.84	1.14	#
16)	endrin aldehyde	22.03	24.35f	406371	347250	0.99	0.98	
18)	endosulfan sulfate	23.37	25.23f	477940	395143	0.80	1.01	#
19)	methoxychlor	23.00	26.33f	236406	231032	0.93	1.43	#

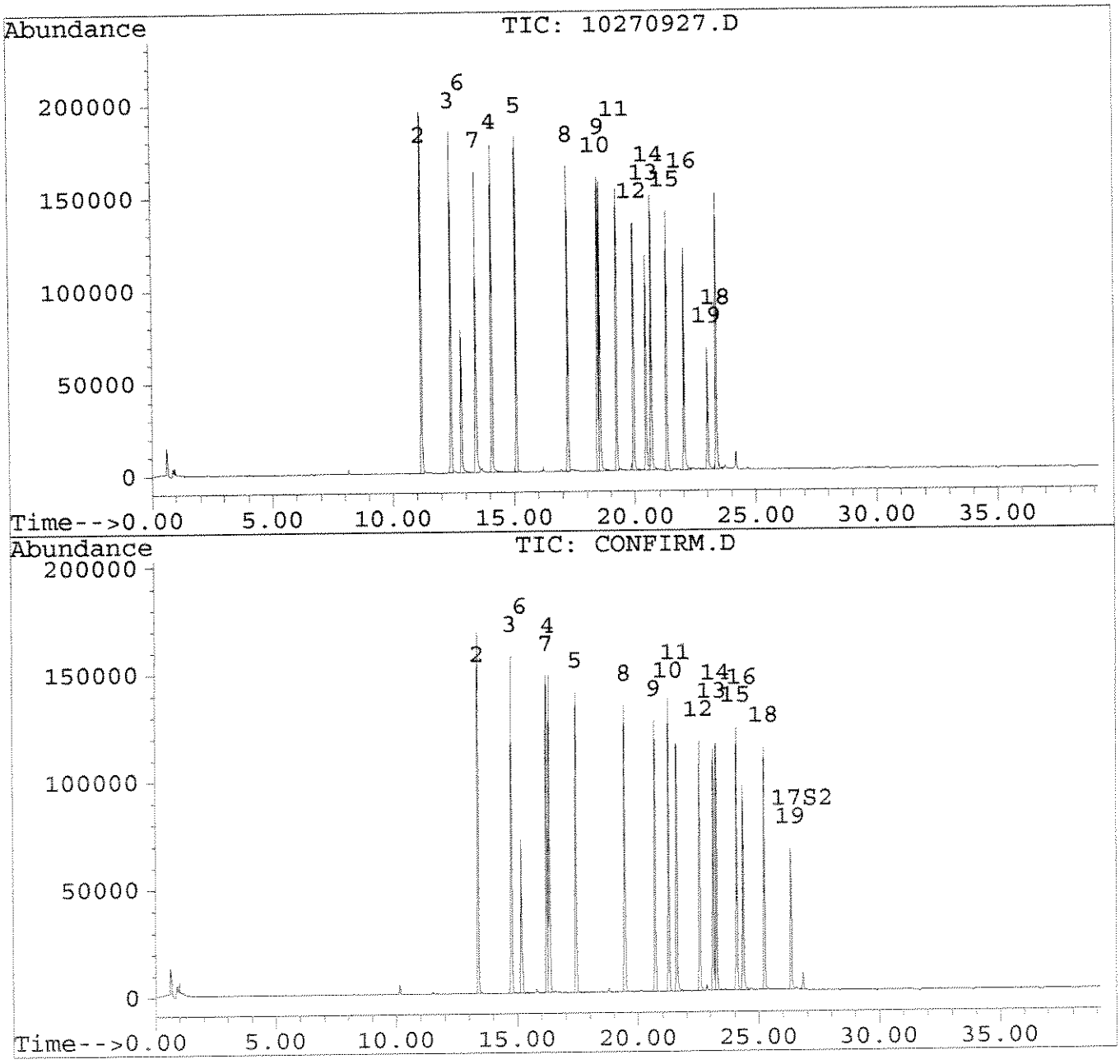
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270927.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\102709\10270927.D\CONFIRM.D
Acq On : 28 Oct 09 10:17 AM Operator: GW
Sample : rmp 1.6 Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 10:57 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270928.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\102709\10270928.D\CONFIRM.D
Acq On : 28 Oct 09 11:00 AM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 11:41 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	
	System Monitoring Compounds							
1)	S1 tetrachloro-m-xylene	0.00	0.00	0	0	N.D.	N.D.	
17)	S2 dibutyl chlorendate	0.00	26.83f	0	33079	N.D.	5.59	#
	Target Compounds							
2)	alpha BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	lindane	0.00	0.00	0	0	N.D.	N.D.	
4)	heptachlor	0.00	0.00	0	0	N.D.	N.D.	
5)	aldrin	0.00	0.00	0	0	N.D.	N.D.	
6)	beta BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	delta BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)	endosulfan 1	18.53	0.00	47161	0	0.03	N.D.	#
10)	pp DDE	18.53f	21.27f	47161	9435	0.04	N.D.	#
11)	dieldrin	0.00	0.00	0	0	N.D.	N.D.	
12)	endrin	19.93	22.55f	552026	597321	1.22	1.50	
13)	pp DDD	0.00	23.12f	0	7052	N.D.	N.D.	
14)	endosulfan 2	0.00	0.00	0	0	N.D.	N.D.	
15)	pp DDT	21.31	24.08f	590198	493930	1.10	1.40	#
16)	endrin aldehyde	22.03	24.35f	7882	7669	N.D.	N.D.	
18)	endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.	
19)	methoxychlor	0.00	0.00	0	0	N.D.	N.D.	

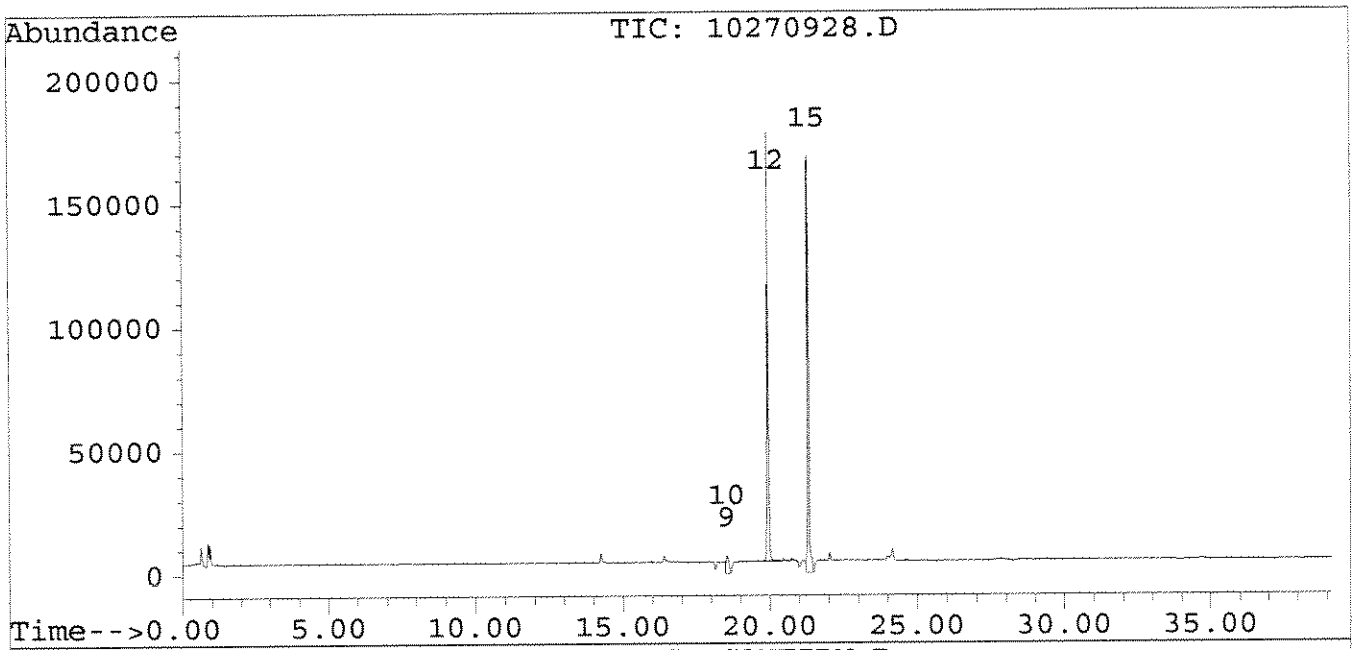
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

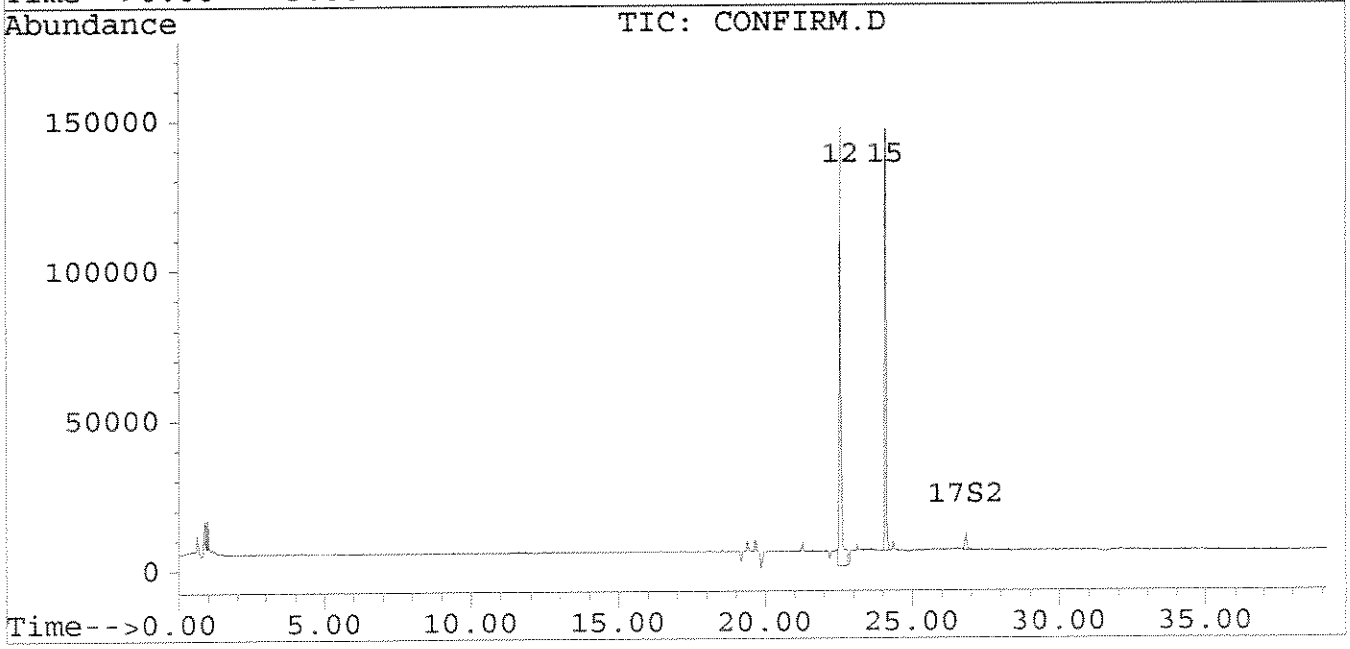
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\102709\10270928.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\102709\10270928.D\CONFIRM.D
Acq On : 28 Oct 09 11:00 AM Operator: GW
Sample : endrin + ppDDT Inst : SVGC2
Misc : Multiplr: 1.00
Quant Time: Oct 28 11:41 19109

Method : C:\HPCHEM\5\METHODS\RMPN1.M
Title : Restek 608 pesticides
Last Update : Thu Feb 26 13:54:45 2009
Response via : Single Level Calibration

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





PCBS - QC DELIVERABLES

Conformance/Nonconformance Summary for PCBs

samples: **294399.00**

QC criteria were met for the following unless stated otherwise:

Method blank

Surrogate recoveries

Matrix spike and matrix spike duplicate RPD

Matrix spike and matrix spike duplicate % recoveries

Holding time

Initial instrument calibration and continuing calibration

PCB LAB CHRONICLE

lab number	sample	date collected	date received	date of extraction	holding time (days) before extraction	date of analysis	holding time (days) after extraction
294399.00	water,Storm Water1	10/19/09	10/19/09	10/21/09	2	10/23/09	2

The sample was received in good condition.

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

294399.00

Lab Name: EcoTest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) water Lab Sample ID: _____

Sample wt/vol: 2000.0 (g/mL) ml Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 10/19/09

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/21/09

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/23/09

Injection Volume: 1 (uL) Dilution Factor: 0.05

GPC Cleanup: (Y/N) _____ pH: _____ Sulfur Cleanup: (Y/N) _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor 1016	0.065	U
1104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Method Blank

Lab Name: EcoTest Labs, Inc Contract:

Project No.: Site: Location: Group:

Matrix: (soil/water) water Lab Sample ID:

Sample wt/vol: 1000.0 (g/mL) ml Lab File ID:

% Moisture: decanted: (Y/N) Date Received:

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/21/09

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/22/09

Injection Volume: 1 (uL) Dilution Factor: 0.10

GPC Cleanup: (Y/N) pH: Sulfur Cleanup: (Y/N)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor 1016	0.065	U
1104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: EcoTest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) water Lab Sample ID: _____

Sample wt/vol: 1000.0 (g/mL) ml Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/21/09

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/22/09

Injection Volume: 1 (uL) Dilution Factor: 0.10

GPC Cleanup: (Y/N) _____ pH: _____ Sulfur Cleanup: (Y/N) _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor 1016	0.29	
1104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Spike

Lab Name: EcoTest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) water Lab Sample ID: _____

Sample wt/vol: 1000.0 (g/mL) ml Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/21/09

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/22/09

Injection Volume: 1 (uL) Dilution Factor: 0.10

GPC Cleanup: (Y/N) _____ pH: _____ Sulfur Cleanup: (Y/N) _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor 1016	0.28	
1104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Spike Duplicate

Lab Name: EcoTest Labs, Inc Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Matrix: (soil/water) water Lab Sample ID: _____

Sample wt/vol: 1000.0 (g/mL) ml Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) SepF Date Extracted: 10/21/09

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/22/09

Injection Volume: 1 (uL) Dilution Factor: 0.10

GPC Cleanup: (Y/N) _____ pH: _____ Sulfur Cleanup: (Y/N) _____

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor 1016	0.29	
1104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

PCB's ANALYTICAL SEQUENCE

Surrogate RT from initial cal. DCB : 26.79			
Lab No	Date analyzed	Time analyzed	DCB # RT
aroclor 1254 3.0 ug/L	10/22/09	1720	
aroclor 1016/1260 0.5 ug/L	10/22/09	1753	
aroclor 1016/1260 1.0 ug/L	10/22/09	1826	
aroclor 1016/1260 3.0 ug/L	10/22/09	1900	
aroclor 1016/1260 6.0 ug/L	10/22/09	1933	
aroclor 1016/1260 9.0 ug/L	10/22/09	2006	
DCB surrogate	10/22/09	2040	26.79
method blank x0.1	10/22/09	2113	26.80
water lcs nc x0.1	10/22/09	2146	26.80
aroclor 1016 reference	10/22/09	2219	
aroclor 1260 reference	10/22/09	2252	
water spike 6% x0.1	10/22/09	2325	26.80
water dp spike 6% x0.1	10/22/09	2359	26.79
aroclor 1221 1.0 ug/L	10/23/09	0032	
aroclor 1254 1.0 ug/L	10/23/09	0105	
294399.00 6% x0.05	10/23/09	0139	26.80
aroclor 1232 1.0 ug/L	10/23/09	0212	
aroclor 1016/1260 3.0 ug/L	10/23/09	0245	
aroclor 1242 1.0 ug/L	10/23/09	0638	
aroclor 1248 1.0 ug/L	10/23/09	0711	

DCB = Decachlorobiphenyl QC limits (+-0.1 minutes)
* values outside QC limits
nc= no cleanup
6%= 6% cleanup

Method 608
instrument: SVGC 7, H.P. 6890
primary column: DB-608, 30 m, 0.53 mm, 0.5 um

INSTRUMENT DETECTION LIMITS

compound	MDL ug/L	PQL ug/L
aroclor 1016	0.106	1
aroclor 1221	nd	1
aroclor 1232	nd	1
aroclor 1242	nd	1
aroclor 1248	nd	1
aroclor 1254	nd	1
aroclor 1260	0.056	1

PCB RETENTION TIME WINDOWS

instrument: SVGC 7, H.P. 6890
primary column: DB-608, 30 m, 0.53 mm, 0.5 um

compound	retention time	retention time window from	to	1.0	3.0	6.0	9.0	average	std. dev.
1016(1)	5.27	5.26	5.29	5.27	5.27	5.28	5.27	5.27	0.005
1016(2)	6.69	6.68	6.71	6.69	6.70	6.69	6.69	6.69	0.005
1016(3)	8.09	8.09	8.09	8.09	8.09	8.09	8.09	8.09	0.000
1016(4)	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75	0.000
1016(5)	10.91	10.91	10.91	10.91	10.91	10.91	10.91	10.91	0.000
1260(1)	16.74	16.73	16.76	16.75	16.74	16.74	16.74	16.74	0.005
1260(2)	17.28	17.26	17.29	17.28	17.28	17.28	17.27	17.28	0.005
1260(3)	21.12	21.10	21.13	21.12	21.11	21.12	21.12	21.12	0.005
1260(4)	21.70	21.68	21.71	21.70	21.70	21.70	21.69	21.70	0.005
1260(5)	23.27	23.27	23.27	23.27	23.27	23.27	23.27	23.27	0.000

PCB target compounds

aroclor 1016
aroclor 1221
aroclor 1232
aroclor 1242
aroclor 1248
aroclor 1254
aroclor 1260

4C

PCB METHOD BLANK SUMMARY

SAMPLE NO.

Method Blank

Lab Name: Eco-Test Labs, Inc. Contract: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab Sample ID: Method Blank Lab File ID: _____

Matrix: (soil/water) water Extraction (SepF/Cont/Sonc) Sep F

Sulfur Cleanup: (Y/N) _____ Date Extracted: 10/21/09

Date Analyzed (1): 10/22/09 Date Analyzed (2): _____

Time Analyzed (1): 21:13 Time Analyzed (2): _____

Instrument ID (1):SVGC#7 Instrument ID (2): _____

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

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	294399.00			10/23/09
02	LCS			10/22/09
03	spike			10/22/09
04	dp spike			10/22/09
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

COMMENTS:

6F

PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: EcoTest Labs,Inc. Contract:

Project No.: Site: Location: Group:

Instrument ID: SVGC7 Date(s) Analyzed: 10/22/09

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

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor 1016	0.5ug/L	*1	5.27	5.26	5.29	1.926
		*2	6.69	6.68	6.71	4.682
		*3	8.09	8.09	8.09	8.822
		4	8.75	8.75	8.75	2.988
		5	10.91	10.91	10.91	3.319
	1.0ug/L	*1	5.27	5.26	5.29	1.841
		*2	6.69	6.68	6.71	4.460
		*3	8.09	8.09	8.09	8.518
		4	8.75	8.75	8.75	2.848
		5	10.91	10.91	10.91	3.276
	3.0ug/L	*1	5.27	5.26	5.29	1.623
		*2	6.70	6.68	6.71	3.889
		*3	8.09	8.09	8.09	7.630
		4	8.75	8.75	8.75	2.459
		5	10.91	10.91	10.91	2.853
	6.0ug/L	*1	5.28	5.26	5.29	1.454
		*2	6.69	6.68	6.71	3.562
		*3	8.09	8.09	8.09	7.138
		4	8.75	8.75	8.75	2.236
		5	10.91	10.91	10.91	2.553
	9.0ug/L	*1	5.27	5.26	5.29	1.426
		*2	6.69	6.68	6.71	3.523
		*3	8.09	8.09	8.09	7.179
		4	8.75	8.75	8.75	2.179
		5	10.91	10.91	10.91	2.497
		*1				
		*2				
		*3				
		4				
		5				
		*1				
		*2				
		*3				
		4				
		5				

* Denotes required peaks

6F

PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: EcoTest Labs,Inc. Contract:

Project No.: Site: Location: Group:

Instrument ID: SVGC7 Date(s) Analyzed: 10/22/09

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

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
Aroclor 1260	0.5ug/L	*1	16.74	16.73	16.76	5.187
		*2	17.28	17.26	17.29	6.113
		*3	21.12	21.10	21.13	4.081
		4	21.70	21.68	21.71	8.628
		5	23.27	23.27	23.27	4.357
	1.0ug/L	*1	16.75	16.73	16.76	4.895
		*2	17.28	17.26	17.29	5.909
		*3	21.12	21.10	21.13	4.280
		4	21.70	21.68	21.71	9.092
		5	23.27	23.27	23.27	4.484
	3.0ug/L	*1	16.74	16.73	16.76	4.608
		*2	17.28	17.26	17.29	5.396
		*3	21.11	21.10	21.13	3.993
		4	21.70	21.68	21.71	8.557
		5	23.27	23.27	23.27	4.267
	6.0ug/L	*1	16.74	16.73	16.76	4.124
		*2	17.28	17.26	17.29	4.850
		*3	21.12	21.10	21.13	3.618
		4	21.70	21.68	21.71	7.928
		5	23.27	23.27	23.27	3.864
	9.0ug/L	*1	16.74	16.73	16.76	4.063
		*2	17.27	17.26	17.29	4.846
		*3	21.12	21.10	21.13	3.632
		4	21.69	21.68	21.71	8.113
		5	23.27	23.27	23.27	4.016
		*1				
		*2				
		*3				
		4				
		5				
		*1				
		*2				
		*3				
		4				
		5				

* Denotes required peaks

Initial Calibration Data
Aroclors 1016/1260

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009

Calibration Files
0.5 =10220902.D 1.0 =10220903.D 3.0 =10220904.D
6.0 =10220905.D 9.0 =10220906.D 100 =10220907.D

		Compound	0.5	1.0	3.0	6.0	9.0	100	Avg	%RSD
1)	S	decachlorobiphen						2.594	2.594 E7	0.00
2)	L1	1016(1)	1.926	1.841	1.623	1.454	1.426		1.654 E8	13.56
3)	L1	1016(2)	4.682	4.460	3.889	3.562	3.523		4.023 E8	13.07
4)	L1	1016(3)	8.822	8.518	7.630	7.138	7.179		7.857 E8	9.85
5)	L1	1016(4)	2.988	2.848	2.459	2.236	2.179		2.542 E8	14.25
6)	L1	1016(5)	3.319	3.276	2.853	2.553	2.497		2.900 E8	13.37
7)	L2	1260(6)	5.187	4.895	4.608	4.124	4.063		4.575 E8	10.62
8)	L2	1260(7)	6.113	5.909	5.396	4.850	4.846		5.423 E8	10.81
9)	L2	1260(8)	4.081	4.280	3.993	3.618	3.632		3.921 E8	7.38
10)	L2	1260(9)	8.628	9.092	8.557	7.928	8.113		8.464 E8	5.42
11)	L2	1260(10)	4.357	4.484	4.267	3.864	4.016		4.198 E8	6.03

(#) = Out of Range

PCBSF102209.M Mon Nov 02 16:17:36 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220902.D Vial: 2
Acq On : 22 Oct 2009 5:53 pm Operator: K.B.
Sample : 1016/1260 0.5 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:22:21 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 19 09:18:25 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

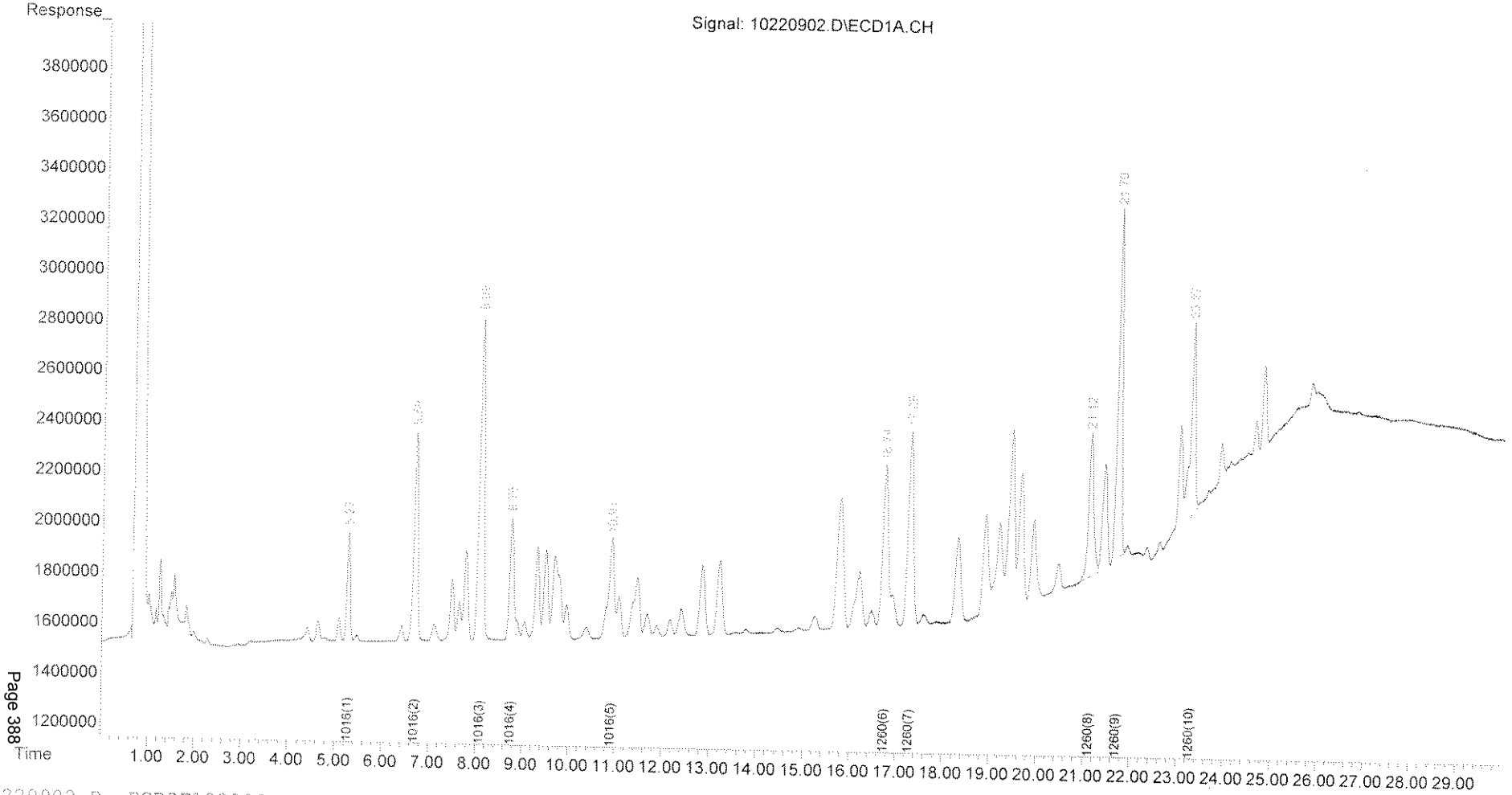
Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	0.00	0	N.D.		
Target Compounds					
2) L1 1016(1)	5.27	19255759	0.068	ppb	
3) L1 1016(2)	6.69	46824066	0.075	ppb	
4) L1 1016(3)	8.09	88219984	0.086	ppb	
5) L1 1016(4)	8.75	29880086	0.077	ppb	m
6) L1 1016(5)	10.91	33188393	0.084	ppb	
Sum 1016(1)		217.4E6	0.391	ppb	
Average 1016(1)			0.078	ppb	
7) L2 1260(6)	16.74	51873405	0.105	ppb	m
8) L2 1260(7)	17.28	61129925	0.109	ppb	
9) L2 1260(8)	21.12	40805021	0.087	ppb	
10) L2 1260(9)	21.70	86283004	0.109	ppb	
11) L2 1260(10)	23.27	43570705	0.128	ppb	m
Sum 1260(6)		283.7E6	0.538	ppb	
Average 1260(6)			0.108	ppb	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220902.D Vial: 2
Acq On : 22 Oct 2009 5:53 pm Operator: K.B.
Sample : 1016/1260 0.5 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:22 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 19 09:18:25 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220903.D
Acq On : 22 Oct 2009 6:26 pm
Sample : 1016/1260 1.0
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 10:23:12 2009 Quant Results File: PCBSF101609.RES

Vial: 3
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:23:05 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S decachlorobiphenyl	0.00	0	N.D.	
Target Compounds				
2) L1 1016(1)				
3) L1 1016(2)	5.27	36817456	0.196 ppb	
4) L1 1016(3)	6.69	89206116	0.200 ppb	
5) L1 1016(4)	8.09	170369504	0.203 ppb	
6) L1 1016(5)	8.75	56955974	0.199 ppb	m
Sum 1016(1)	10.91	65521885	0.214 ppb	
Average 1016(1)		418.9E6	1.012 ppb	
			0.202 ppb	
7) L2 1260(6)				
8) L2 1260(7)	16.75	97893241	0.217 ppb	m
9) L2 1260(8)	17.28	118185856	0.223 ppb	
10) L2 1260(9)	21.12	85605273	0.220 ppb	
11) L2 1260(10)	21.70	181843378	0.236 ppb	
Sum 1260(6)	23.27	89679943	0.251 ppb	m
Average 1260(6)		573.2E6	1.147 ppb	
			0.229 ppb	

(f)=RT Delta > 1/2 Window
(m)=manual int.

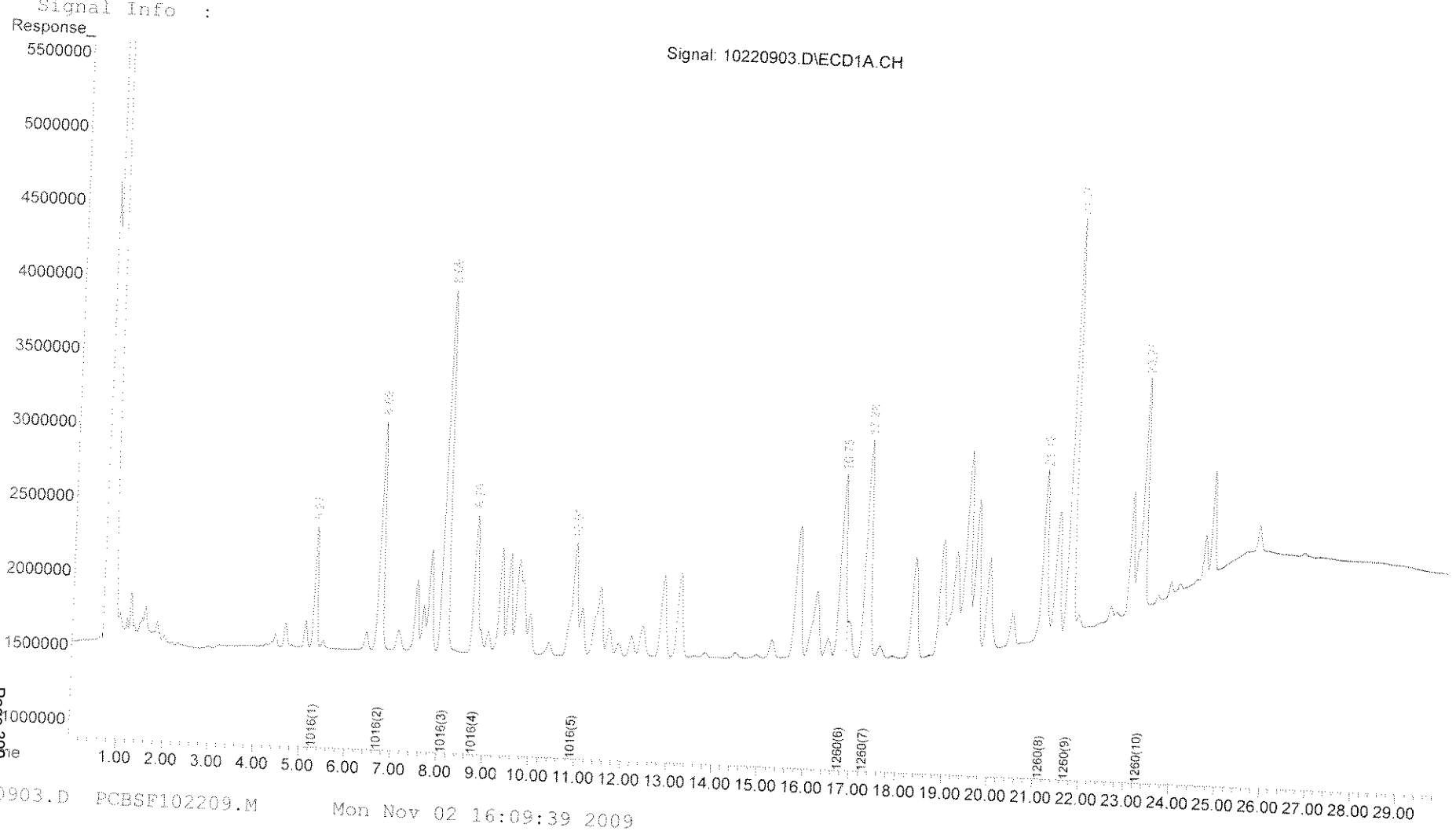
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220903.D
Acq On : 22 Oct 2009 6:26 pm
Sample : 1016/1260 1.0
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 9:23 2009 Quant Results File: PCBSF101609.RES

Vial: 3
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:23:05 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220904.D Vial: 4
Acq On : 22 Oct 2009 7:00 pm Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:23:58 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:23:51 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	0.00	0	N.D.		
Target Compounds					
2) L1 1016(1)					
3) L1 1016(2)	5.27	97390882	0.637	ppb	
4) L1 1016(3)	6.70	233367868	0.628	ppb	
5) L1 1016(4)	8.09	457776641	0.616	ppb	
6) L1 1016(5)	8.75	147530328	0.619	ppb	m
Sum 1016(1)	10.91	171170231	0.651	ppb	
Average 1016(1)		1107.2E6	3.152	ppb	
			0.630	ppb	
7) L2 1260(6)					
8) L2 1260(7)	16.74	276466459	0.681	ppb	
9) L2 1260(8)	17.28	323781157	0.670	ppb	
10) L2 1260(9)	21.11	239578070	0.705	ppb	
11) L2 1260(10)	21.70	513395143	0.681	ppb	
Sum 1260(6)	23.27	256043254	0.729	ppb	
Average 1260(6)		1609.3E6	3.467	ppb	
			0.693	ppb	

(5)=RT Delta > 1/2 Window
(m)=manual int.

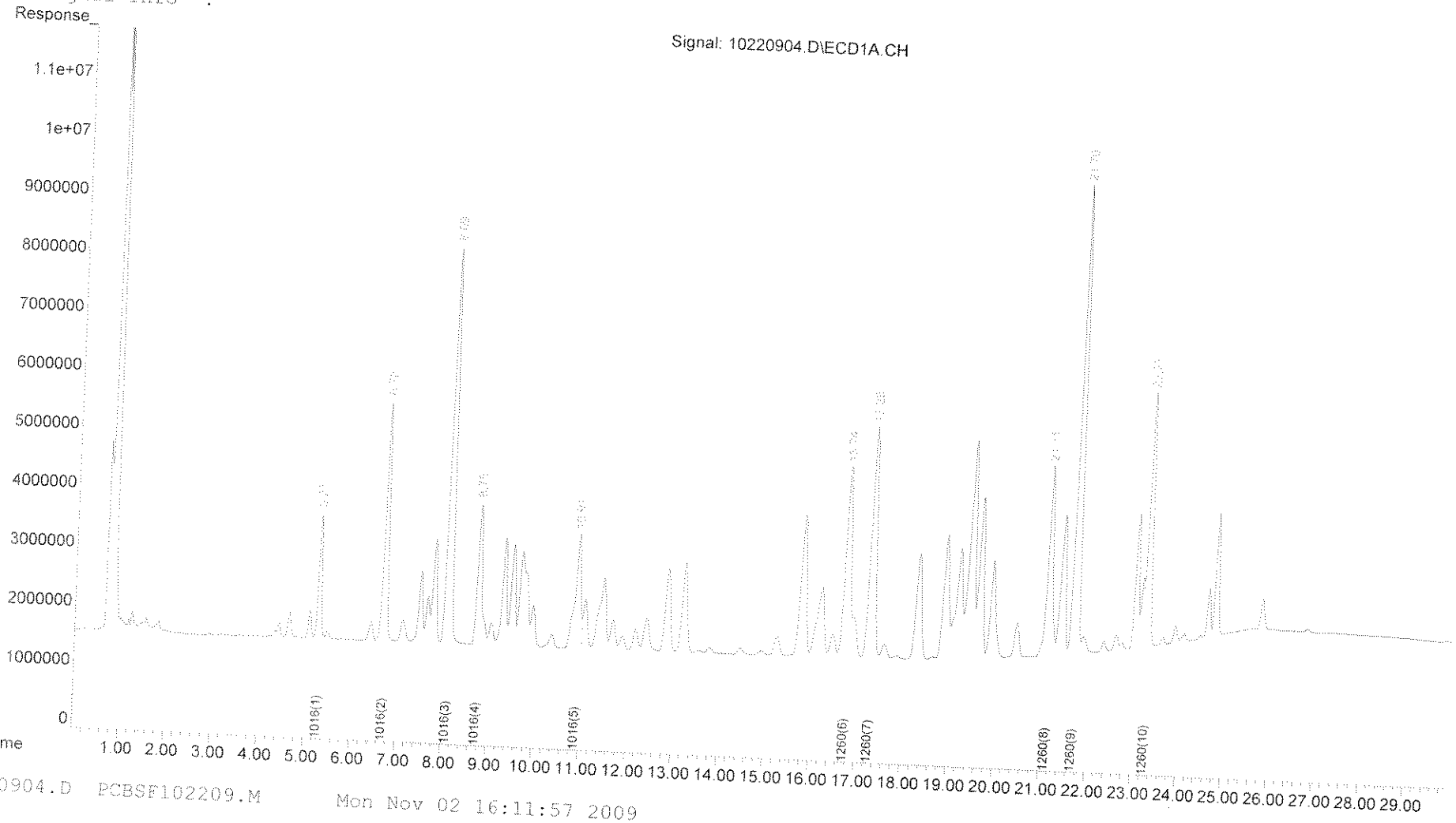
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220904.D
Acq On : 22 Oct 2009 7:00 pm
Sample : 1016/1260 3.0
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 9:24 2009 Quant Results File: PCBSF101609.RES

Vial: 4
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:23:51 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220904.D PCBSF102209.M Mon Nov 02 16:11:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220905.D Vial: 5
Acq On : 22 Oct 2009 7:33 pm Operator: K.B.
Sample : 1016/1260 6.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:24:31 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:24:23 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	0.00	0	N.D.		
Target Compounds					
2) L1 1016(1)	5.28	174521407	1.198	ppb	
3) L1 1016(2)	6.69	427448581	1.204	ppb	
4) L1 1016(3)	8.09	856550704	1.192	ppb	
5) L1 1016(4)	8.75	268309179	1.181	ppb	m
6) L1 1016(5)	10.91	306404695	1.219	ppb	
Sum 1016(1)		2033.2E6	5.993	ppb	
Average 1016(1)			1.199	ppb	
7) L2 1260(6)	16.74	494933096	1.253	ppb	
8) L2 1260(7)	17.28	582011765	1.239	ppb	
9) L2 1260(8)	21.12	434107683	1.327	ppb	
10) L2 1260(9)	21.70	951416292	1.285	ppb	
11) L2 1260(10)	23.27	463735960	1.330	ppb	m
Sum 1260(6)		2926.2E6	6.433	ppb	
Average 1260(6)			1.287	ppb	

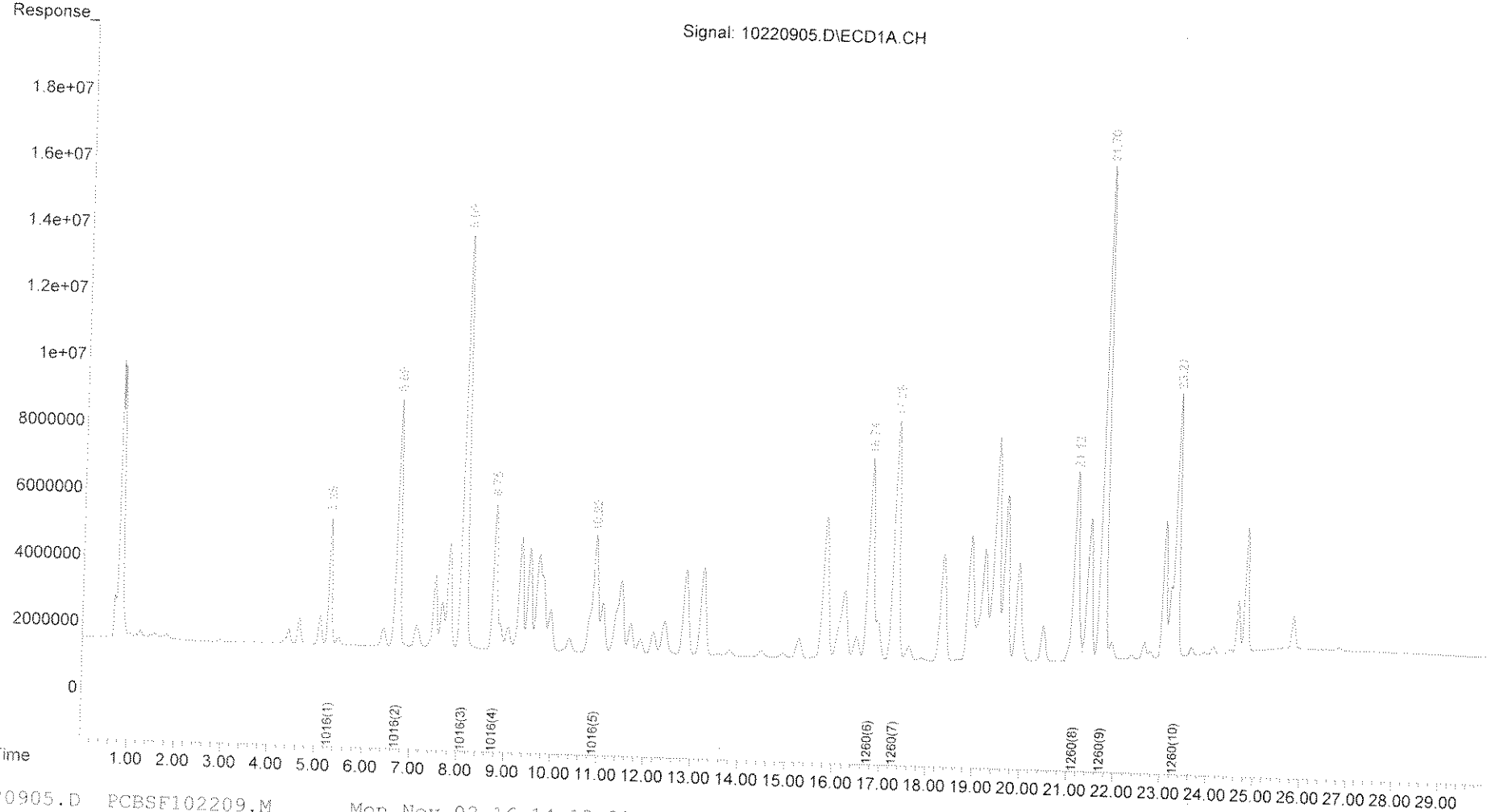
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220905.D Vial: 5
Acq On : 22 Oct 2009 7:33 pm Operator: K.B.
Sample : 1016/1260 6.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:24 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:24:23 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220905.D PCBSF102209.M Mon Nov 02 16:14:13 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220906.D Vial: 6
Acq On : 22 Oct 2009 8:06 pm Operator: K.B.
Sample : 1016/1260 9.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:25:11 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:25:04 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
1) S decachlorobiphenyl	26.79	10065463	0.442	
Target Compounds				
2) L1 1016(1)	5.27	256752809	1.795 ppb	
3) L1 1016(2)	6.69	634130757	1.813 ppb	
4) L1 1016(3)	8.09	1292201837	1.817 ppb	
5) L1 1016(4)	8.75	392248331	1.755 ppb	m
6) L1 1016(5)	10.91	449467957	1.812 ppb	
Sum 1016(1)		3024.8E6	8.992 ppb	
Average 1016(1)			1.798 ppb	
7) L2 1260(6)	16.74	731277316	1.836 ppb	m
8) L2 1260(7)	17.27	872321120	1.859 ppb	
9) L2 1260(8)	21.12	653752558	1.990 ppb	
10) L2 1260(9)	21.69	1460289955	1.958 ppb	
11) L2 1260(10)	23.27	722968388	2.033 ppb	m
Sum 1260(6)		4440.6E6	9.676 ppb	
Average 1260(6)			1.935 ppb	

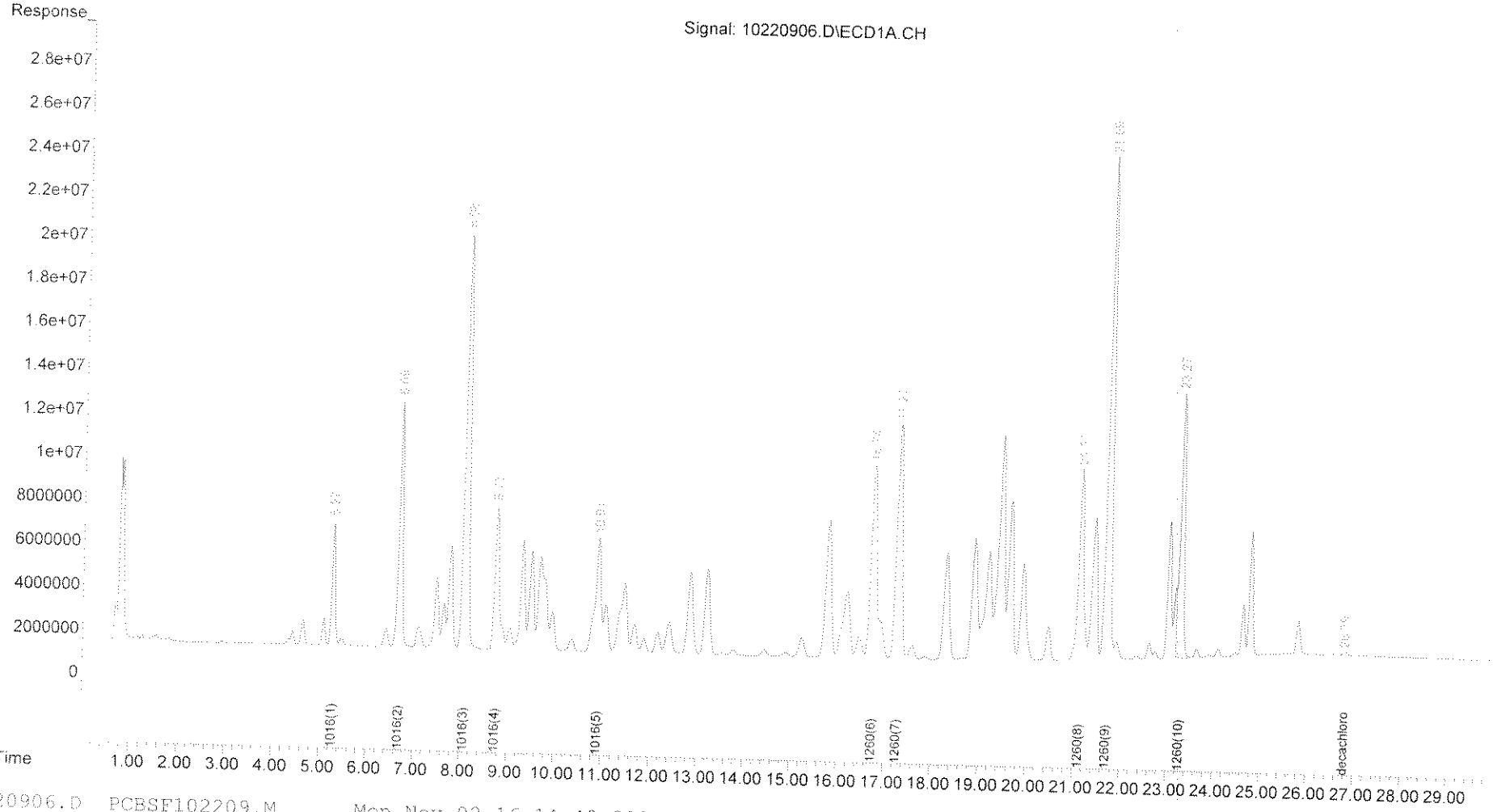
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220906.D Vial: 6
Acq On : 22 Oct 2009 8:06 pm Operator: K.B.
Sample : 1016/1260 9.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:25 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:25:04 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220906.D PCBSF102209.M Mon Nov 02 16:14:49 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220907.D
Acq On : 22 Oct 2009 8:40 pm
Sample : pcb surr
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 10:26:53 2009 Quant Results File: PCBSF101609.RES

Vial: 7
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:26:45 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.79	2593830421	113.796	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	0.00	0	N.D.	ppb
Sum 1016(1)		0	N.D.	ppb
Average 1016(1)			0.000	ppb
7) L2 1260(6)	0.00	0	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	0.00	0	N.D.	ppb
Sum 1260(6)		0	N.D.	ppb
Average 1260(6)			0.000	ppb

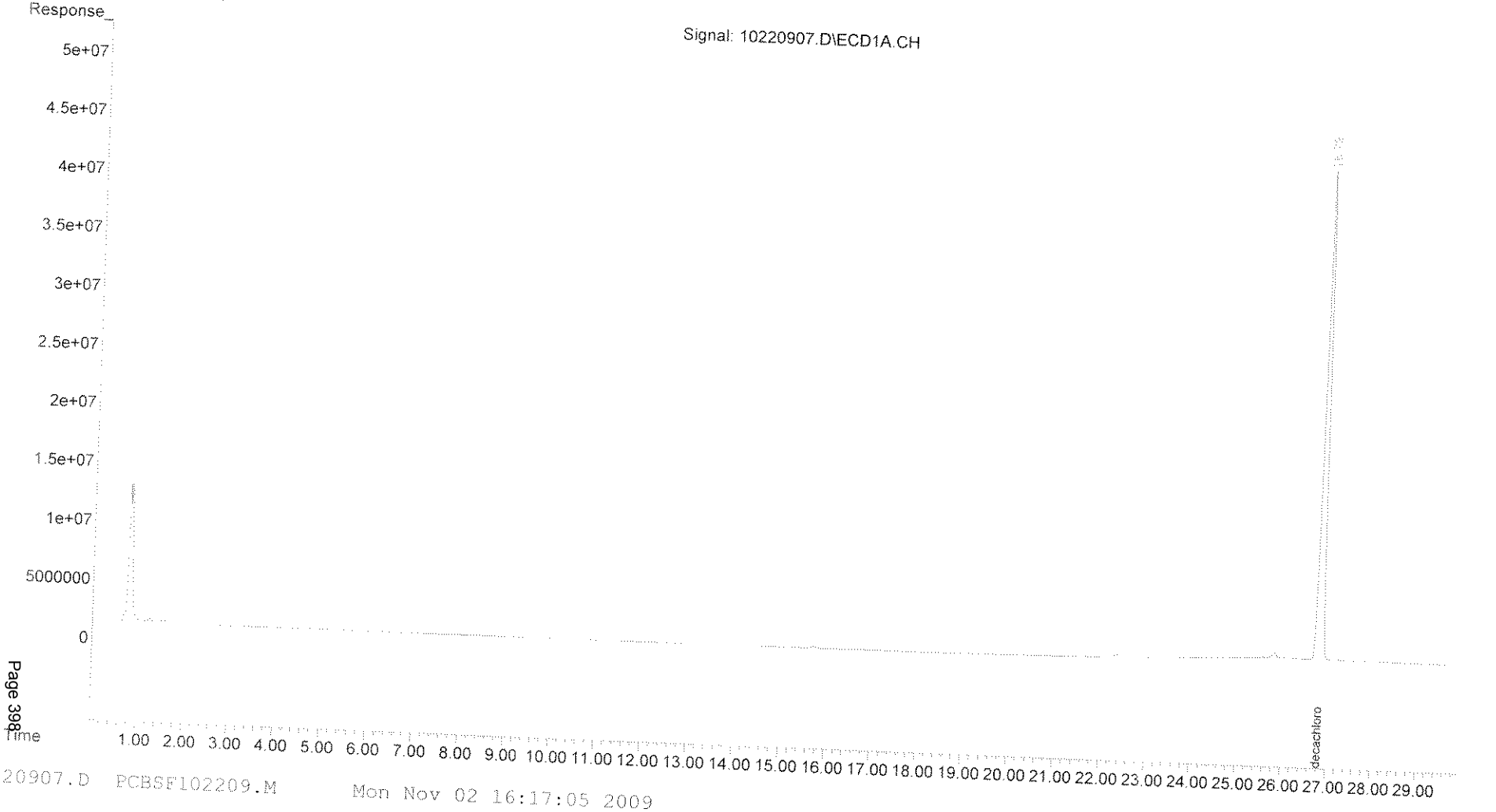
(f)=RT Delta > 1/2 Window (m)=manual int.

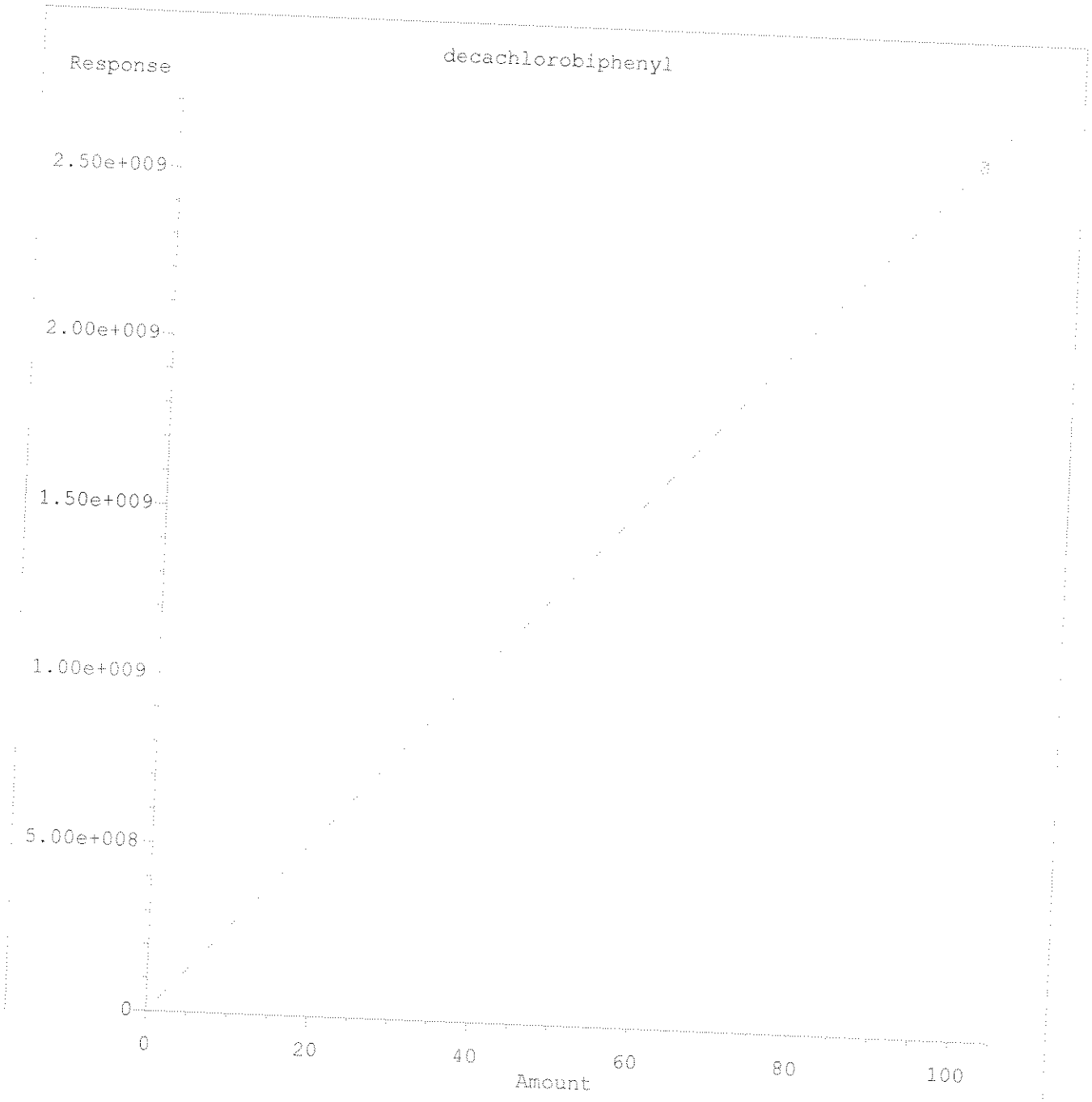
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220907.D Vial: 7
Acq On : 22 Oct 2009 8:40 pm Operator: K.B.
Sample : pcb surr Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:26 2009 Quant Results File: PCBSF101609.RES

Quant Method : C:\MSDCHEM\1...\PCBSF101609.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:26:45 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

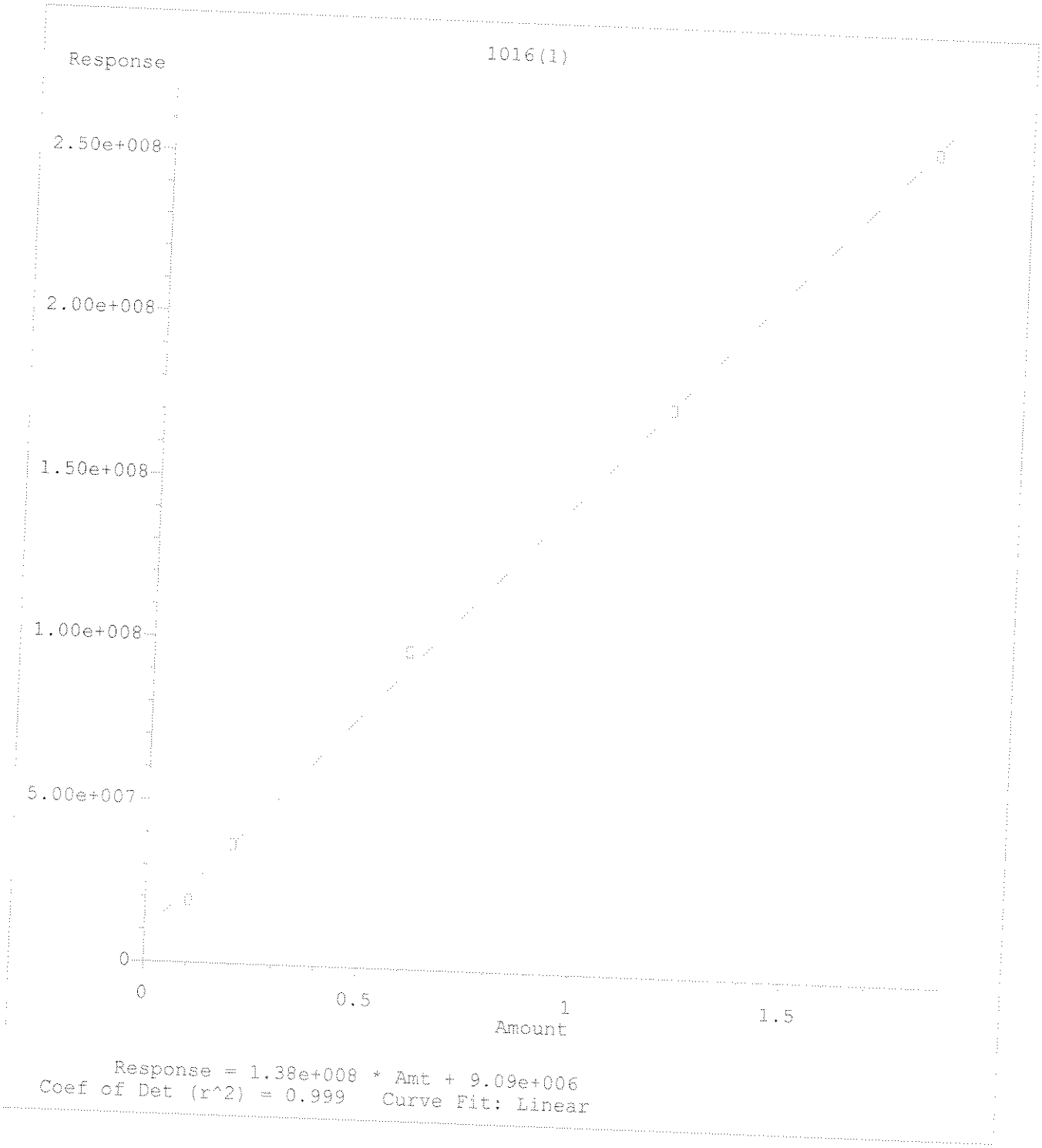
Volume Inj. :
Signal Phase :
Signal Info :



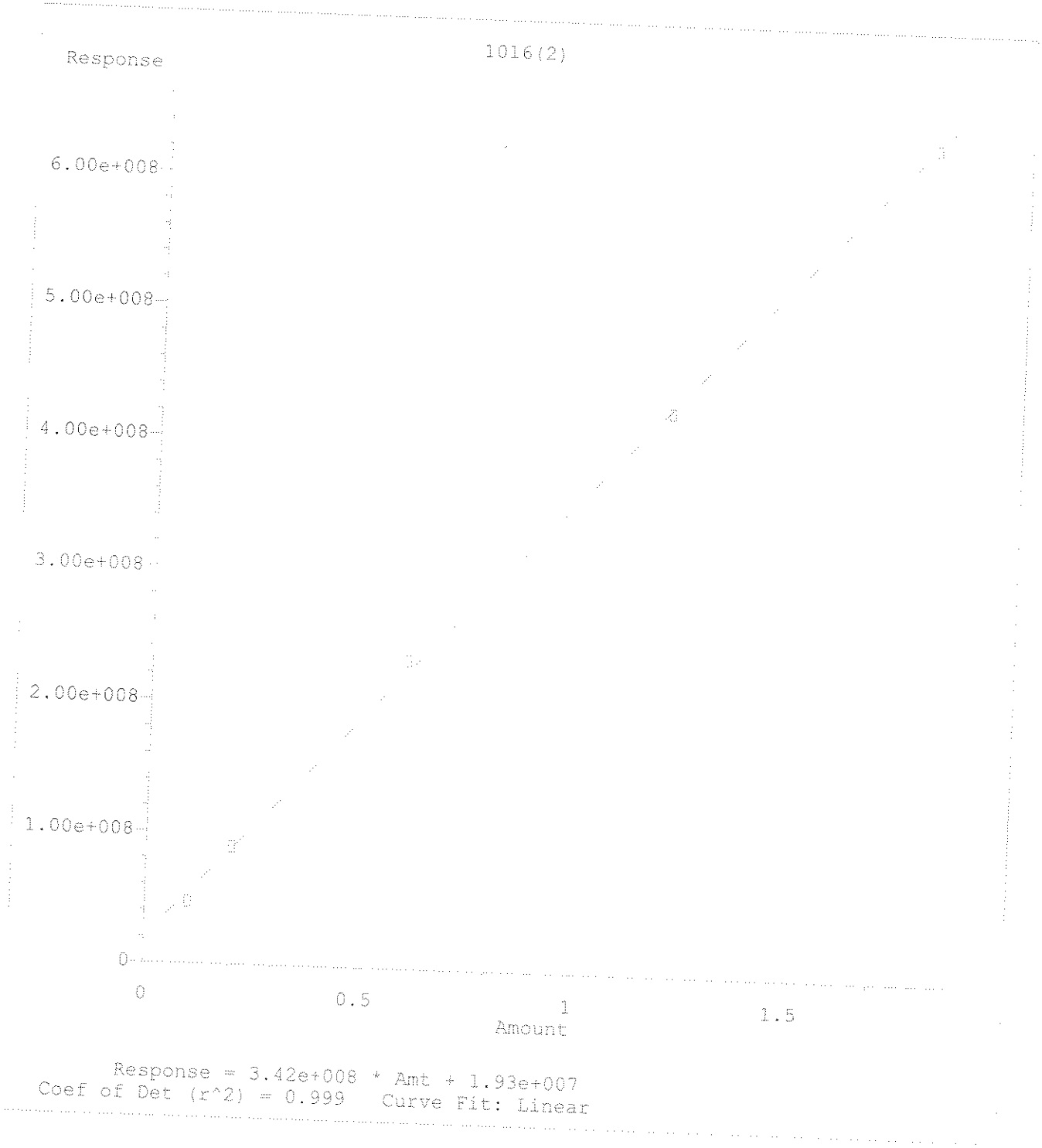


Response = 2.59e+007 * Amt + 0.00e+000
Coef of Det (r^2) = 1.000 Curve Fit: Linear

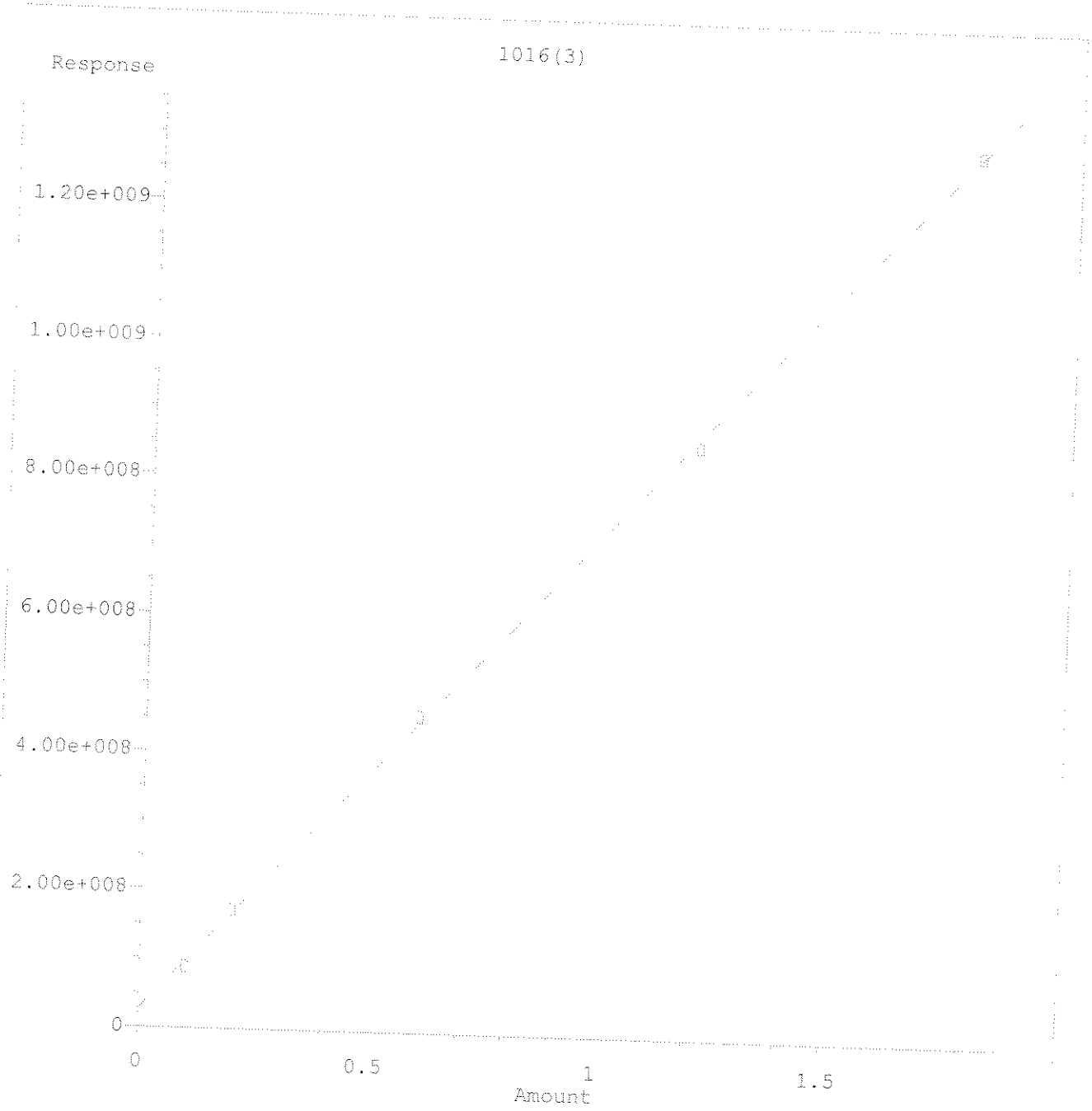
Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009

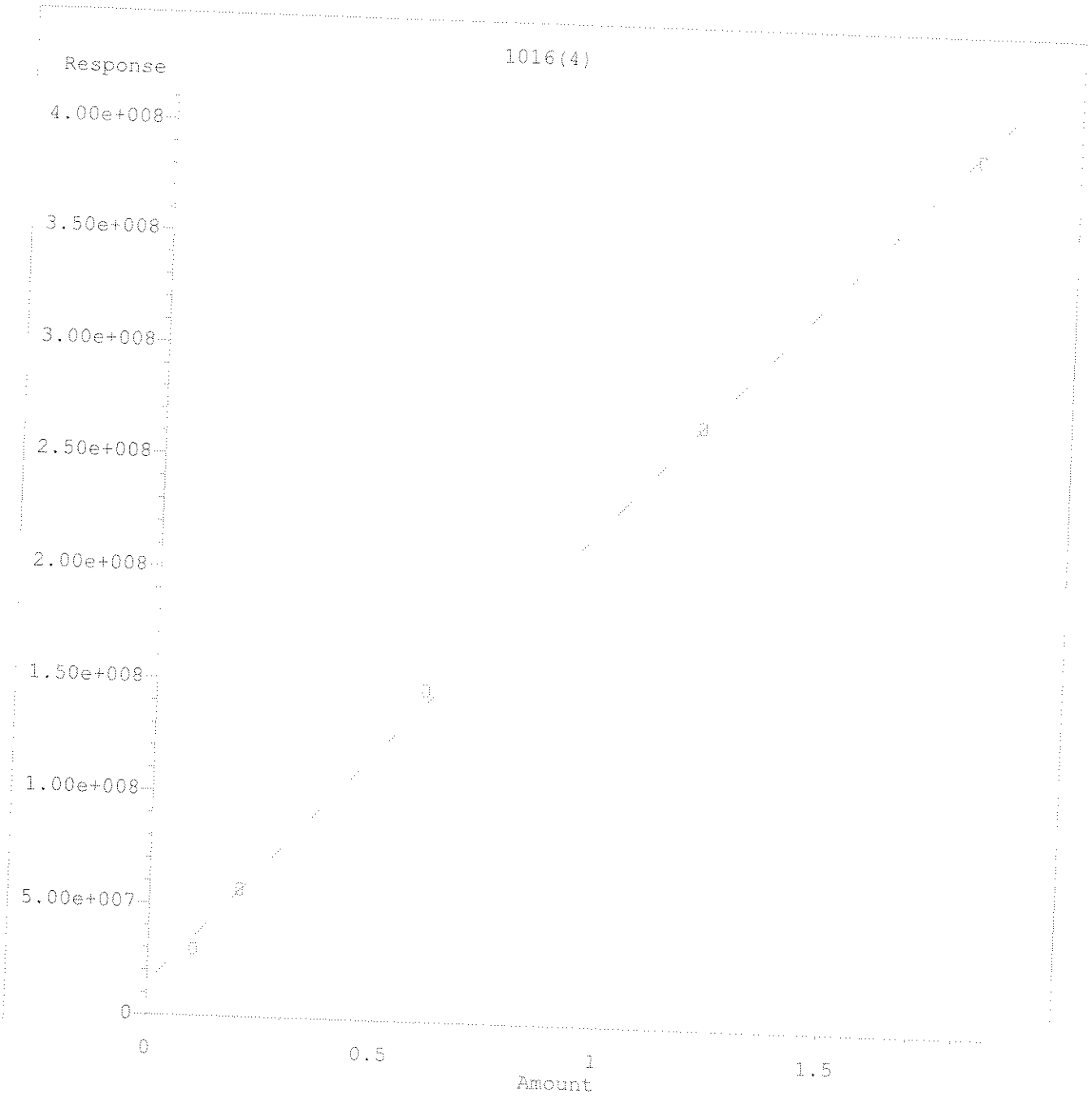


Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



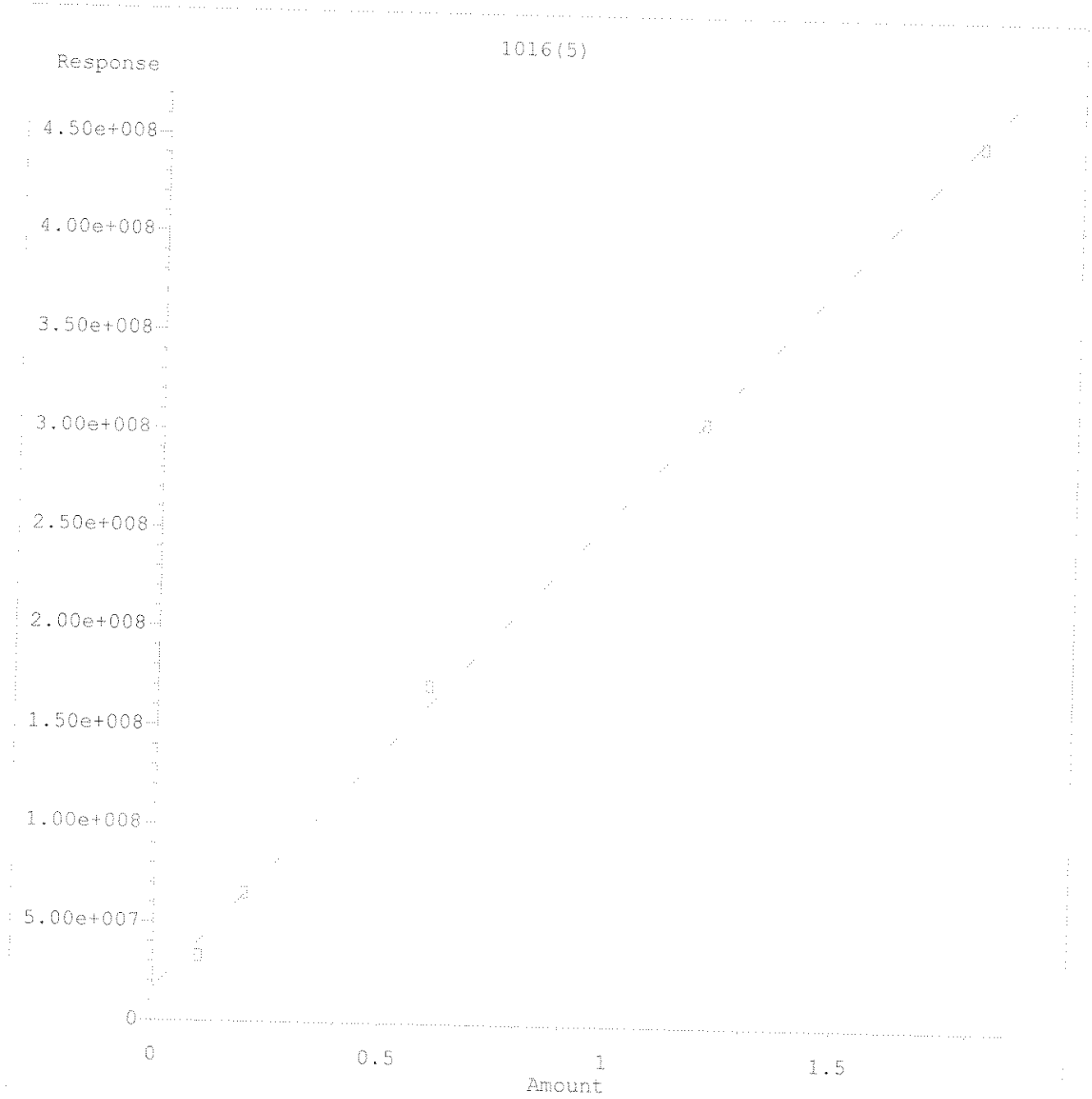
Response = 7.01e+008 * Amt + 2.59e+007
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



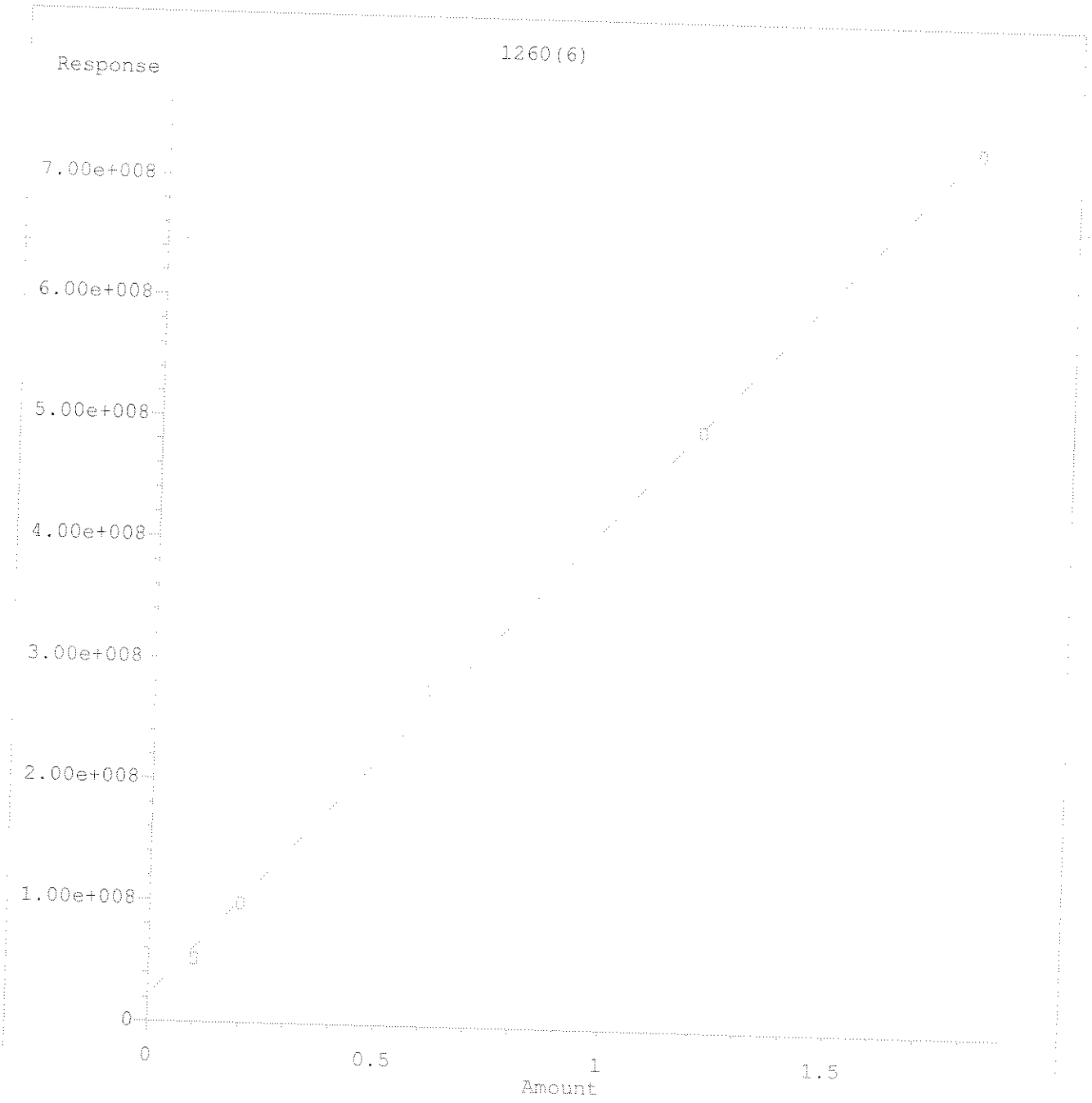
Response = 2.11e+008 * Amt + 1.41e+007
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



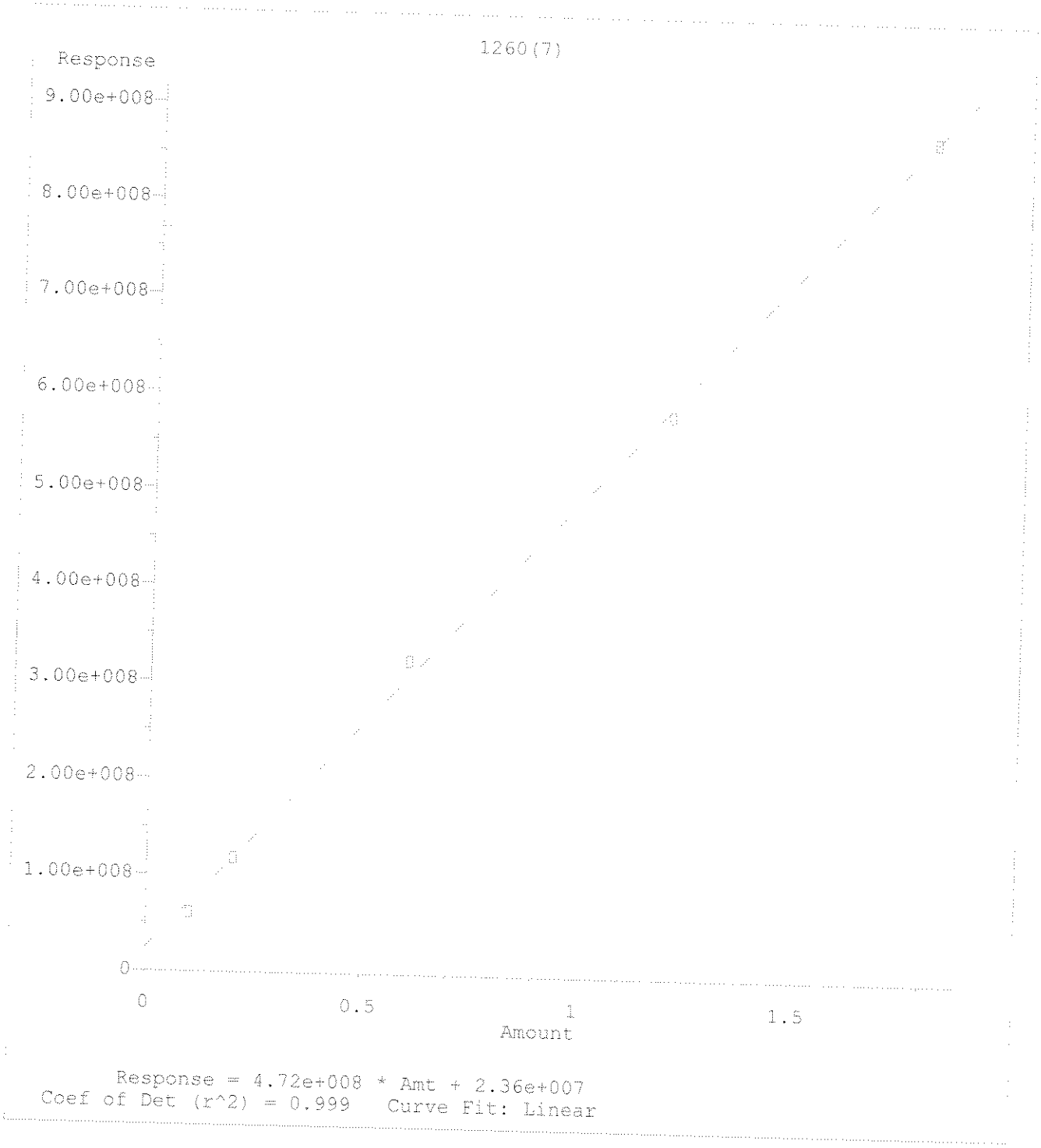
Response = 2.42e+008 * Amt + 1.63e+007
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009

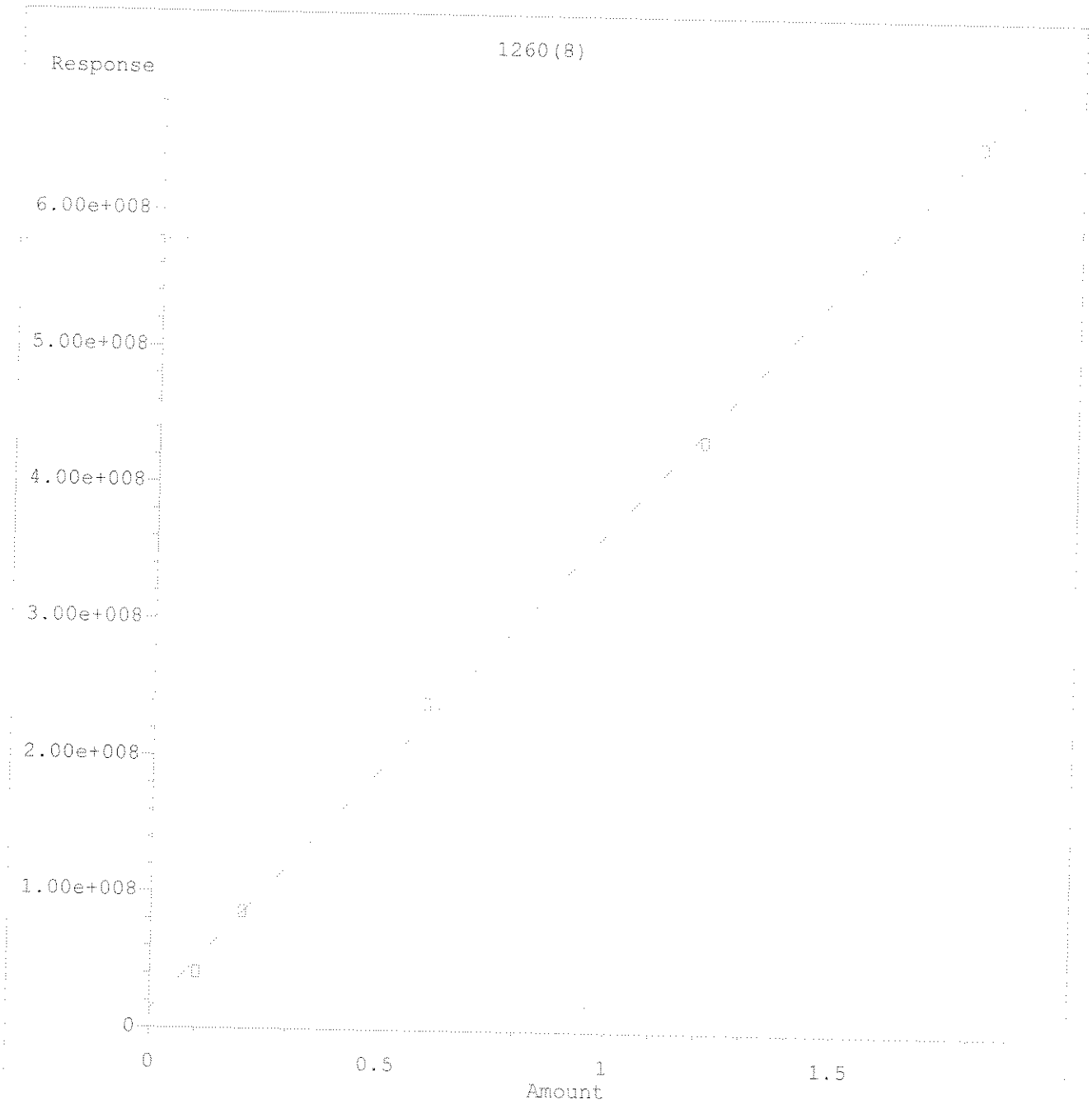


Response = 3.96e+008 * Amt + 2.12e+007
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009

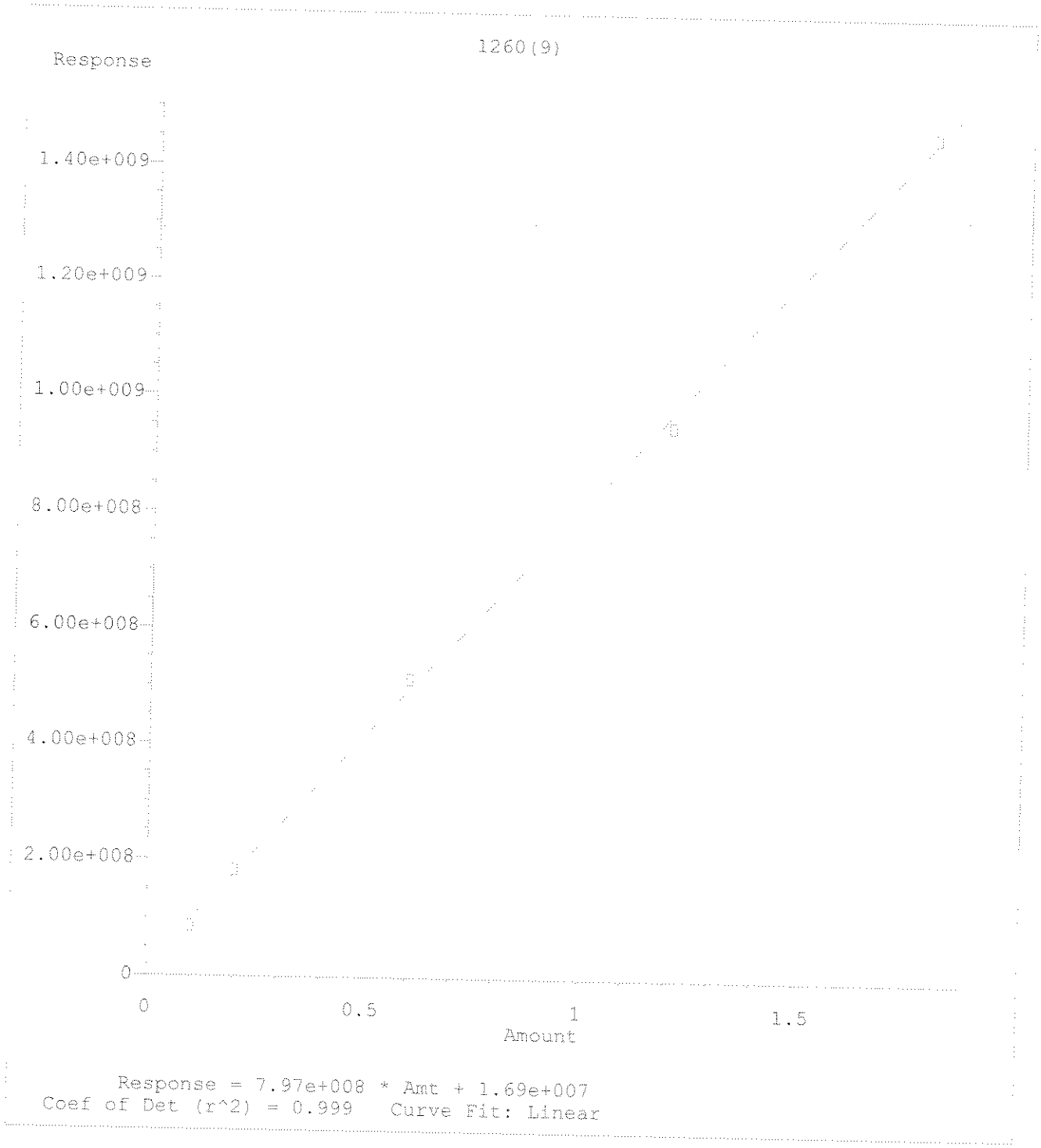


Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009

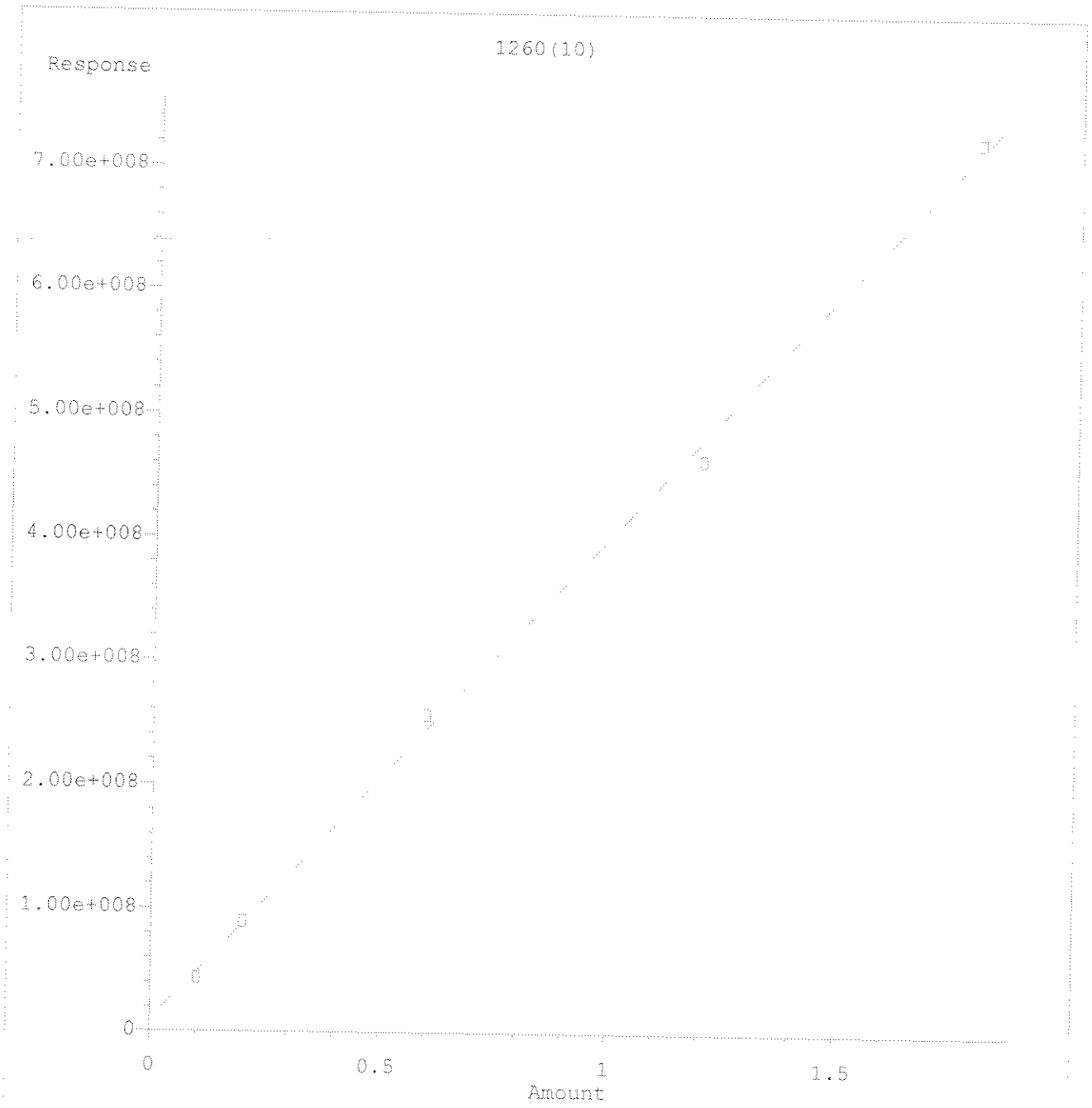


Response = 3.56e+008 * Amt + 1.33e+007
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009



Response = 3.93e+008 * Amt + 8.81e+006
Coef of Det (r^2) = 0.998 Curve Fit: Linear

Method Name: C:\MSDCHEM\1\METHODS\PCBSF102209.M
Calibration Table Last Updated: Fri Oct 23 10:27:09 2009

PCB Calibration Verification Summary

Lab name:EcoTest Labs,Inc.
Lab Sample ID: Aroclor 1016/1260 3.0 ug/L

Date analyzed:10/23/09
Time analyzed:2:45am

Instrument ID: SVGC 7

GC Column: DB-608, 30m, 0.53mm, 0.5um

Compound	Peak	RT	RT Window		calc amount	Sum amount	nom amount	RPD %
			from	to				
1016	1	5.27	5.26	5.29	0.641	3.156	3.00	5
	2	6.69	6.68	6.71	0.624			
	3	8.09	8.09	8.09	0.618			
	4	8.75	8.75	8.75	0.637			
	5	10.91	10.91	10.91	0.637			
1260								
	1	16.73	16.73	16.76	0.645	3.156	3.00	5
	2	17.27	17.26	17.29	0.637			
	3	21.11	21.10	21.13	0.633			
	4	21.69	21.68	21.71	0.620			
	5	23.27	23.27	23.27	0.620			

PCB SURROGATE RECOVERY SUMMARY

method: 608
surrogate: decachlorobiphenyl 2.5 ppb

sample	matrix	% recovery
method blank	water	58
LCS	water	73
294399.00	water	53
spike	water	62
spike duplicate	water	71

% recovery limits

UCL	142
UWL	122
LWL	41
LCL	21

* out of limits

PCB MS/MSD SUMMARY

method: 608

compound	unspiked conc. (ug/L)	spike conc. (ug/L)	water MS conc. (ug/L)	MS % rec.	water MSD conc. (ug/L)	MSD % rec.	% rec. limits	MS,MSD difference	difference limit
aroclor 1016	0	0.4	0.28	70%	0.29	73%	52-94	0.01	0.13

These spikes apply to following samples: 294399.00

PCB LCS RECOVERY

method: 608

compound	unspiked conc. (ug/L)	spike conc. (ug/L)	water lcs conc. (ug/L)	lcs % rec.	% rec. limits	surr % rec.	surr% rec. limits
aroclor 1016	0	0.4	0.29	73%	54-100	73	21-142

This LCS applies to following samples:

294399.00

Reference Standard Summary

method: 608/8082

compound	date analyzed	time analyzed	reference		
			true value	limits	result
Aroclor 1016	10/22/09	22:19	5.00	4.25-5.75	5.03
Aroclor 1260	10/22/09	22:52	5.00	4.40-6.0	5.35

Reference stds apply to samples :
294399.00

Lab. name : Eco-Test Labs,Inc.

instrument: SVGC 7, H.P.6890
primary column:DB 608, 30 m x 0.53 mm,0.5um
Florisil Cartridge from JT Baker Lot #: H22611

Date of analysis:10/09/09

PCBs Florisil Cartridge Check

compound	spike added ug	spike recovered ug	% rec.	% rec. limits
aroclor1260	4.0	3.34	84	70-130

Water spike was used as florisil cartridge check.
This cartridge applies to samples :

Sample lab No.	Date analized
294399.00	10/23/09

* Value outside limits

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\100909F\10090913.D Vial: 13
Acq On : 09 Oct 2009 11:30 pm Operator: KB
Sample : 0.4 1260 spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 12 10:00:32 2009 Quant Results File: PCBSF100909.RES

Quant Method : C:\MSDCHEM\1...\PCBSF100909.M (Chemstation Integrator)
Title :
Last Update : Mon Oct 12 09:40:31 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1839530788	75.096
Target Compounds			
2) L1 1016(1)	0.00	0	N.D. ppb
3) L1 1016(2)	6.81f	8460316	N.D. ppb
4) L1 1016(3)	8.09	9039250	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	10.99	56304475	0.172 ppb
Sum 1016(1)		56304475	0.113 ppb
Average 1016(1)			0.113 ppb
7) L2 1260(6)	16.74	263495456	0.630 ppb m
8) L2 1260(7)	17.27	330831546	0.669 ppb m
9) L2 1260(8)	21.11	261916820	0.754 ppb m
10) L2 1260(9)	21.70	434773832	0.561 ppb m
11) L2 1260(10)	23.27	263206650	0.726 ppb m
Sum 1260(6)		1554.2E6	3.340 ppb
Average 1260(6)			0.668 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10090913.D PCBSF100909.M Tue Nov 10 14:50:52 2009

Reports and chromatograms for samples:

294399.00
method blank
LCS
spikes
Reference stds
check stds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220908.D Vial: 8
Acq On : 22 Oct 2009 9:13 pm Operator: K.B.
Sample : met bl x0.1 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:28:13 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

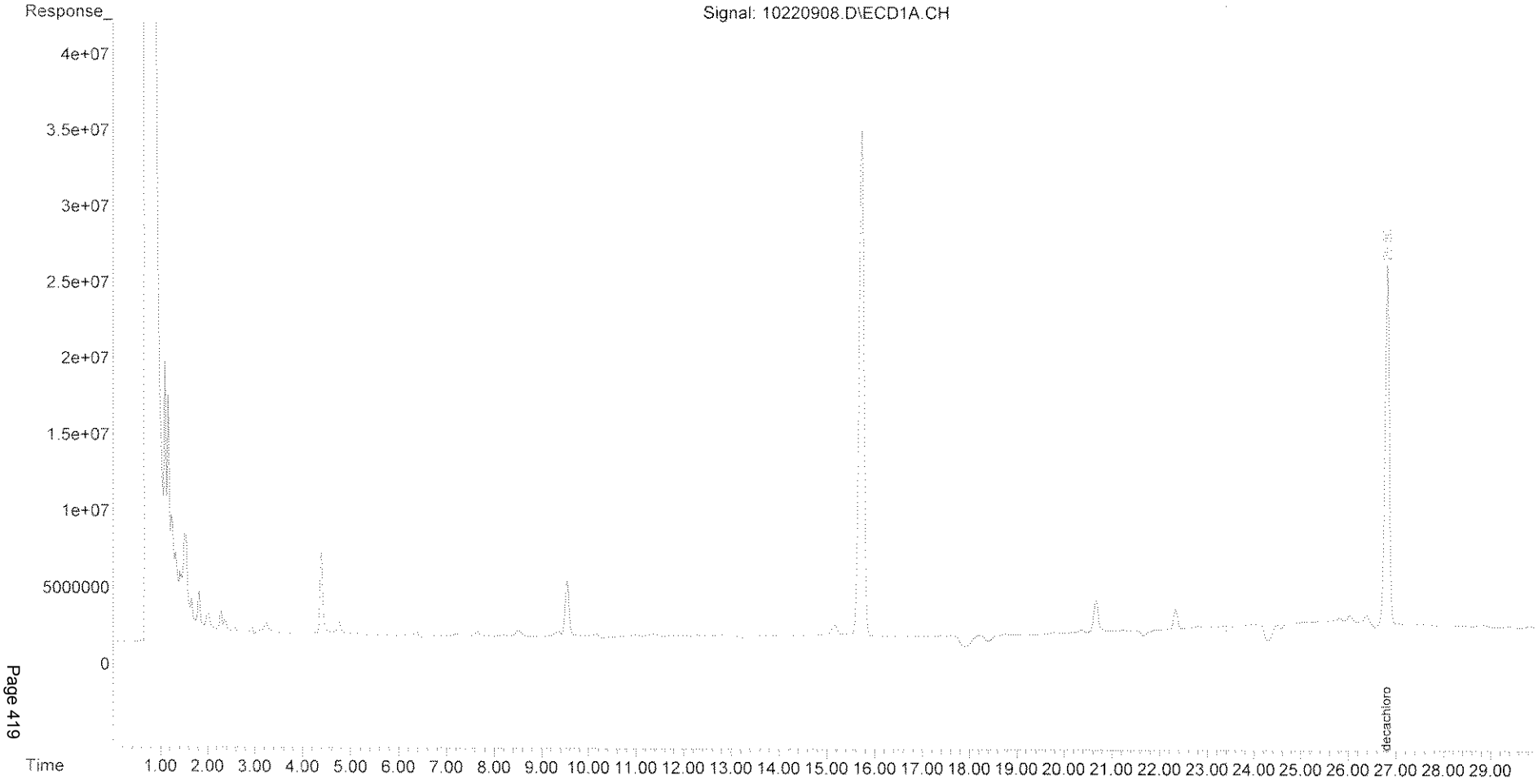
Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	26.80	1497729195	57.742		m
Target Compounds					
2) L1 1016(1)	5.10f	6509041	N.D.	ppb	
3) L1 1016(2)	6.80f	15426080	N.D.	ppb	
4) L1 1016(3)	0.00	0	N.D.	ppb	
5) L1 1016(4)	0.00	0	N.D.	ppb	
6) L1 1016(5)	0.00	0	N.D.	ppb	
Sum 1016(1)		0	N.D.	ppb	
Average 1016(1)			0.000	ppb	
7) L2 1260(6)	0.00	0	N.D.	ppb	
8) L2 1260(7)	0.00	0	N.D.	ppb	
9) L2 1260(8)	0.00	0	N.D.	ppb	d
10) L2 1260(9)	0.00	0	N.D.	ppb	d
11) L2 1260(10)	0.00	0	N.D.	ppb	d
Sum 1260(6)		0	N.D.	ppb	
Average 1260(6)			0.000	ppb	

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220908.D Vial: 8
Acq On : 22 Oct 2009 9:13 pm Operator: K.B.
Sample : met bl x0.1 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:28 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220909.D Vial: 9
Acq On : 22 Oct 2009 9:46 pm Operator: K.B.
Sample : 0.4 1016 lcs nc x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:28:51 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	26.80	1906039233	73.484		
Target Compounds					
2) L1 1016(1)	5.27	84513912	0.545	ppb	
3) L1 1016(2)	6.69	222281214	0.593	ppb	
4) L1 1016(3)	8.09	440971918	0.592	ppb	m
5) L1 1016(4)	8.75	138487443	0.588	ppb	m
6) L1 1016(5)	10.91	165201697	0.615	ppb	m
Sum 1016(1)		1051.5E6	2.934	ppb	
Average 1016(1)			0.587	ppb	
7) L2 1260(6)	0.00	0	N.D.	ppb	
8) L2 1260(7)	0.00	0	N.D.	ppb	
9) L2 1260(8)	21.12	18558464	0.015	ppb	
10) L2 1260(9)	21.48f	85914864	0.087	ppb	
11) L2 1260(10)	23.18	169729769	0.410	ppb	
Sum 1260(6)		274.2E6	0.511	ppb	
Average 1260(6)			0.170	ppb	

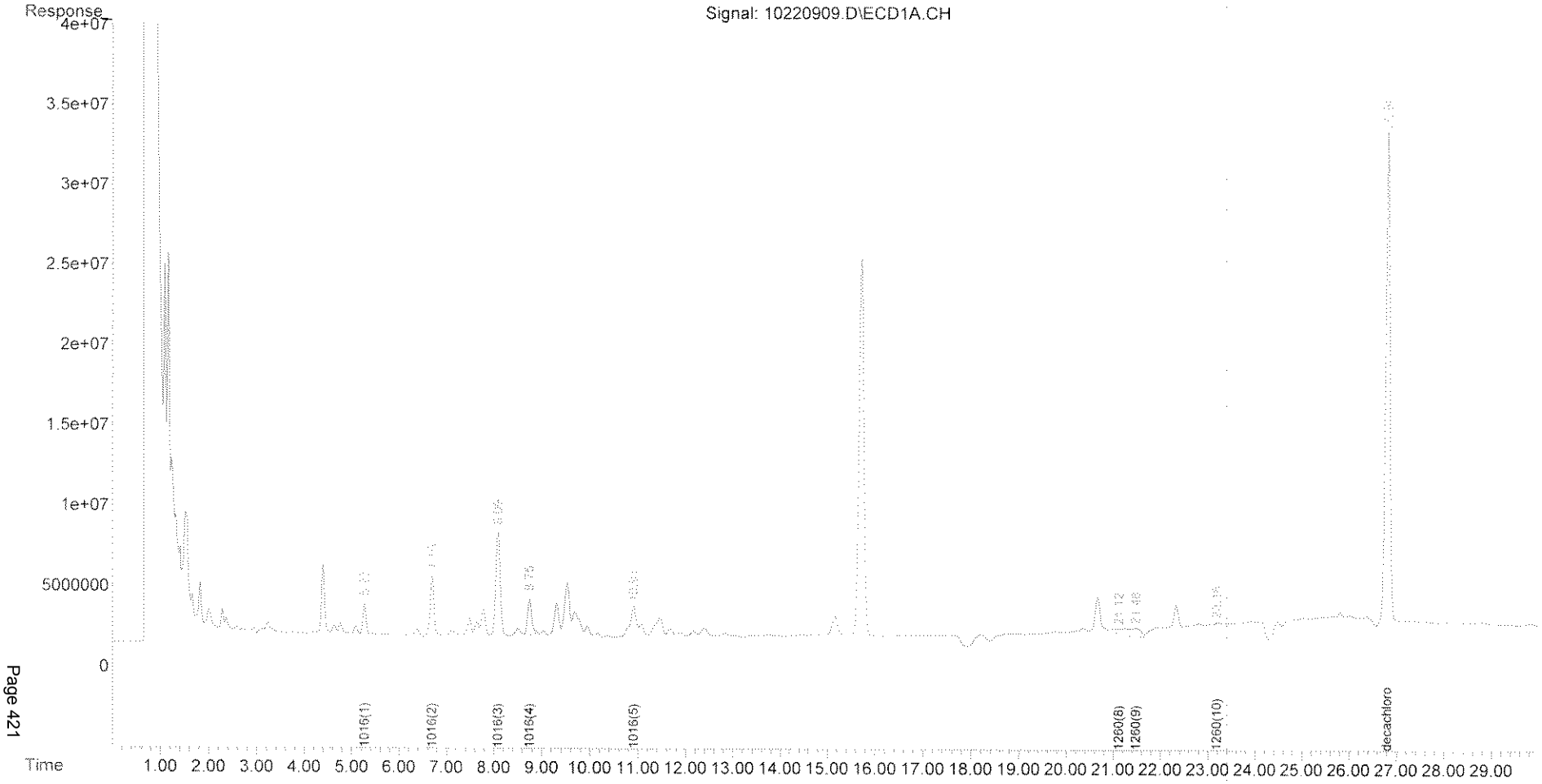
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220909.D Vial: 9
Acq On : 22 Oct 2009 9:46 pm Operator: K.B.
Sample : 0.4 1016 lcs nc x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:29 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220910.D Vial: 10
Acq On : 22 Oct 2009 10:19 pm Operator: K.B.
Sample : 1016 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:29:40 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	0.00	0	N.D.		
Target Compounds					
2) L1 1016(1)	5.27	154883313	1.054	ppb	
3) L1 1016(2)	6.69	355220090	0.982	ppb	
4) L1 1016(3)	8.08	700892227	0.962	ppb	
5) L1 1016(4)	8.75	223852431	0.992	ppb	m
6) L1 1016(5)	10.91	267546443	1.038	ppb	
Sum 1016(1)		1702.4E6	5.028	ppb	
Average 1016(1)			1.006	ppb	
7) L2 1260(6)	0.00	0	N.D.	ppb	
8) L2 1260(7)	0.00	0	N.D.	ppb	
9) L2 1260(8)	0.00	0	N.D.	ppb	
10) L2 1260(9)	0.00	0	N.D.	ppb	
11) L2 1260(10)	0.00	0	N.D.	ppb	
Sum 1260(6)		0	N.D.	ppb	
Average 1260(6)			0.000	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

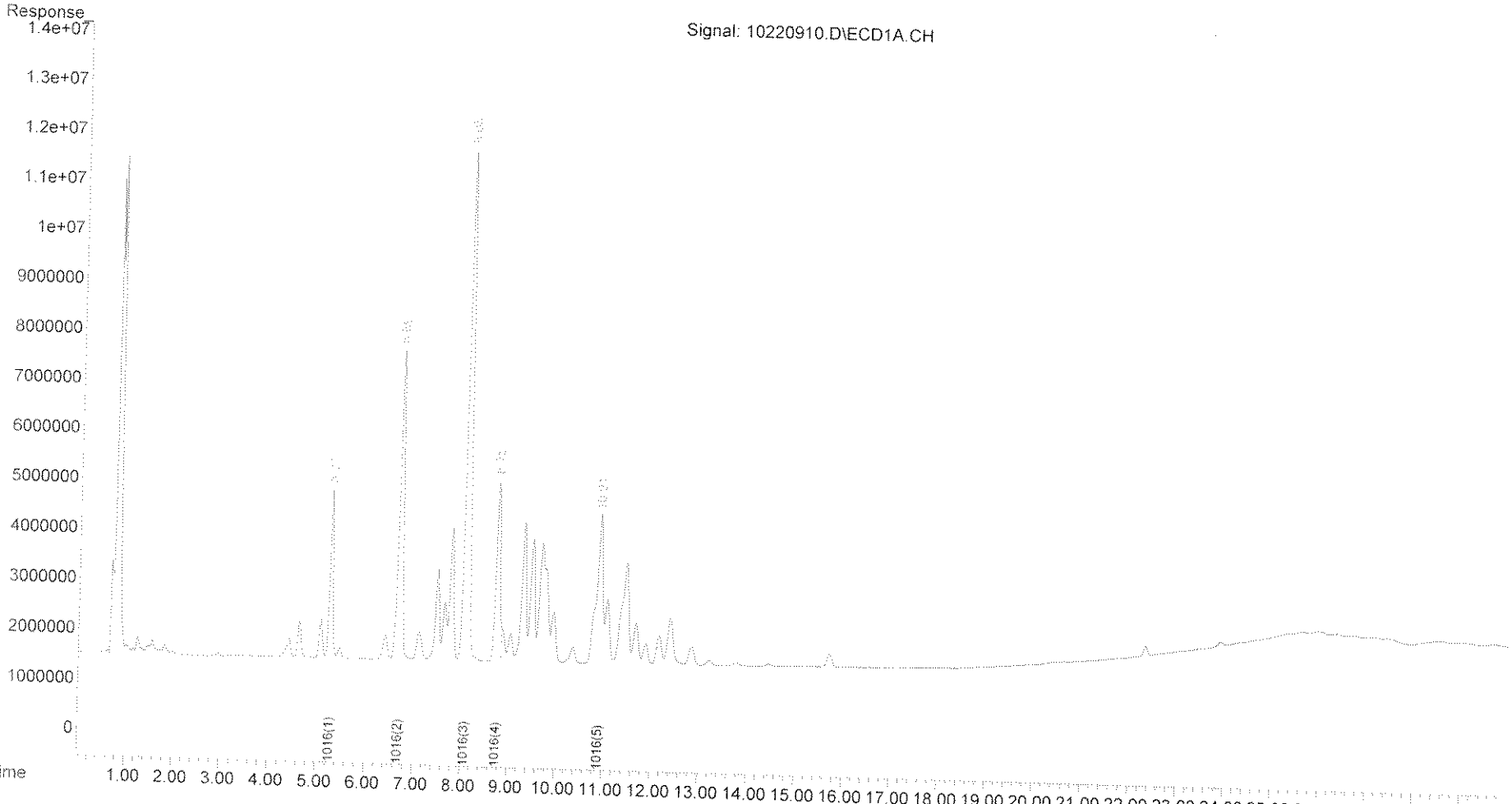
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220910.D
Acq On : 22 Oct 2009 10:19 pm
Sample : 1016 ref
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 9:29 2009 Quant Results File: PCBSF102209.RES

Vial: 10
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220910.D PCBSF102209.M Mon Nov 02 16:24:38 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220911.D Vial: 11
Acq On : 22 Oct 2009 10:52 pm Operator: K.B.
Sample : 1260 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:30:11 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	0.00	0	N.D. ppb
3) L1 1016(2)	6.69	7140774	N.D. ppb
4) L1 1016(3)	8.08	12916783	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		0	N.D. ppb
Average 1016(1)			0.000 ppb
7) L2 1260(6)	16.73	423902051	1.016 ppb
8) L2 1260(7)	17.27	498358792	1.007 ppb
9) L2 1260(8)	21.11	401363045	1.091 ppb
10) L2 1260(9)	21.70	922992342	1.137 ppb
11) L2 1260(10)	23.27	442235334	1.103 ppb
Sum 1260(6)		2688.9E6	5.353 ppb
Average 1260(6)			1.071 ppb

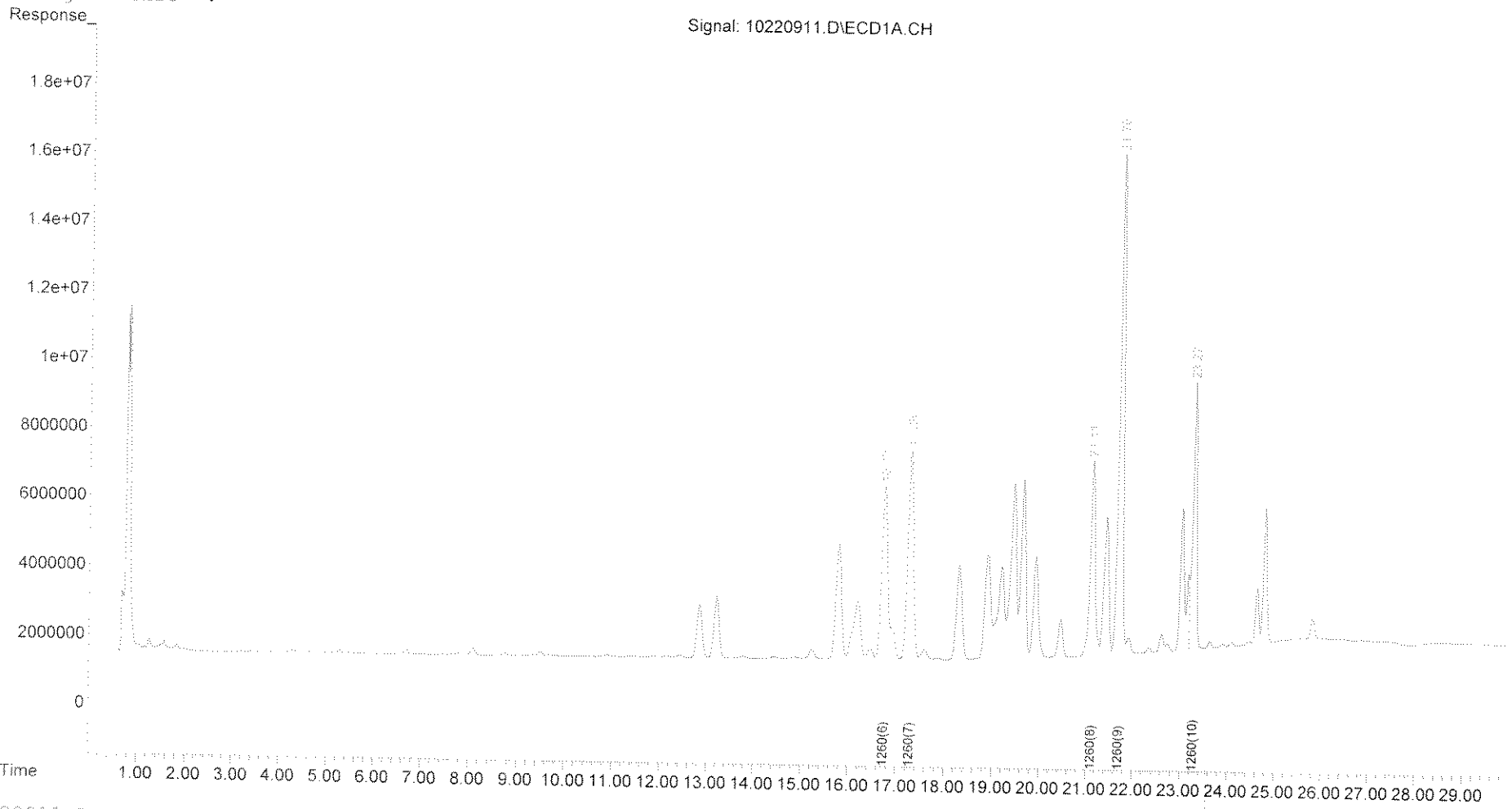
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220911.D Vial: 11
Acq On : 22 Oct 2009 10:52 pm Operator: K.B.
Sample : 1260 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:30 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220911.D PCBSF102209.M Mon Nov 02 16:25:11 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220912.D Vial: 12
Acq On : 22 Oct 2009 11:25 pm Operator: K.B.
Sample : 0.4 1016 spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:30:42 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	26.80	1614076799	62.228		
Target Compounds					
2) L1 1016(1)	5.27	80037213	0.513	ppb	
3) L1 1016(2)	6.69	203964501	0.540	ppb	m
4) L1 1016(3)	8.08	420502504	0.563	ppb	m
5) L1 1016(4)	8.75	125372796	0.526	ppb	m
6) L1 1016(5)	10.91	168888936	0.630	ppb	
Sum 1016(1)		998.8E6	2.772	ppb	
Average 1016(1)			0.554	ppb	
7) L2 1260(6)					
8) L2 1260(7)	0.00	0	N.D.	ppb	
9) L2 1260(8)	0.00	0	N.D.	ppb	
10) L2 1260(9)	21.22f	4857679	N.D.	ppb	
11) L2 1260(10)	0.00	0	N.D.	ppb	
Sum 1260(6)	23.30	107975911	0.252	ppb	
Average 1260(6)		108.0E6	0.229	ppb	
			0.229	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

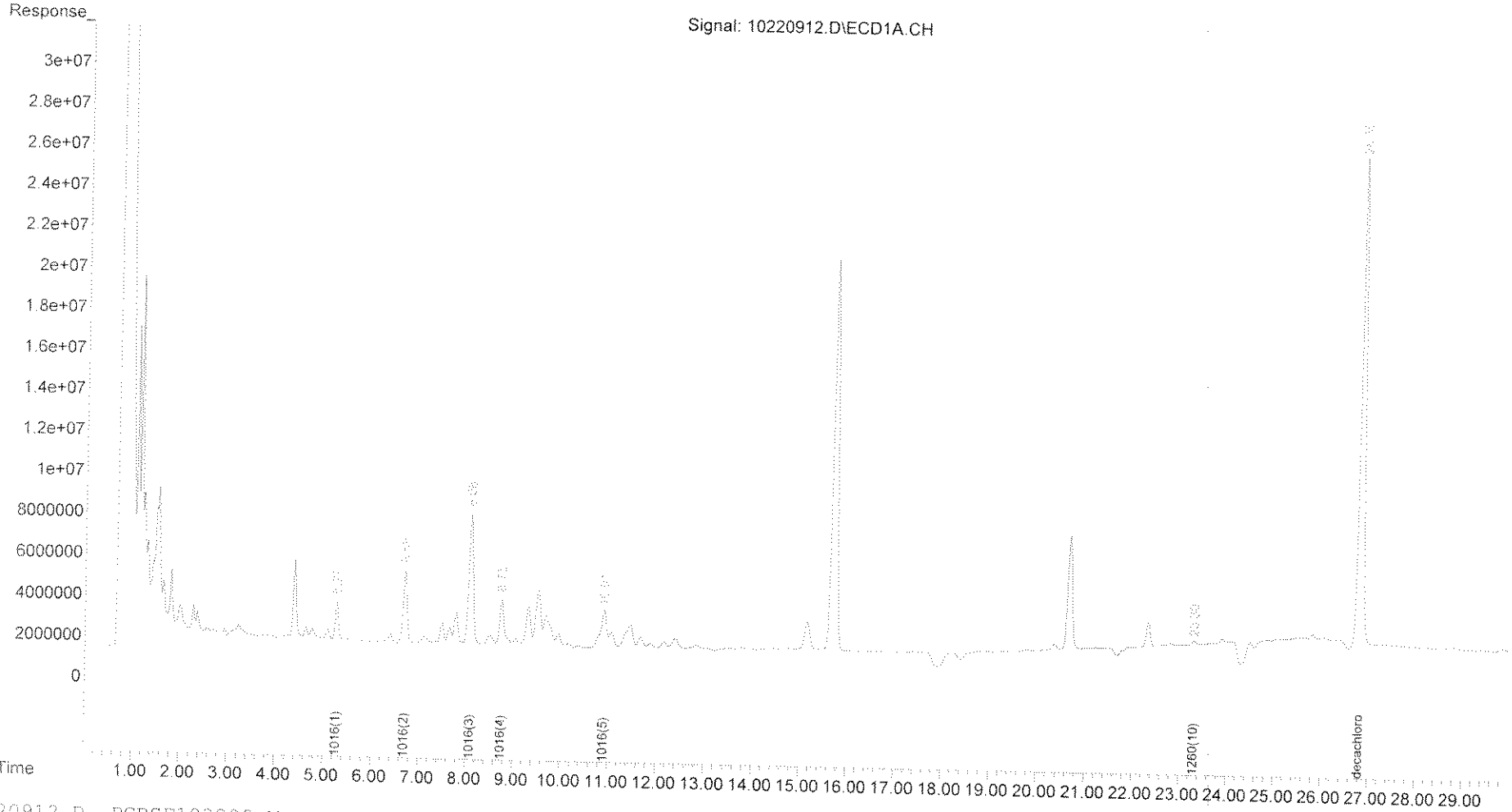
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220912.D
Acq On : 22 Oct 2009 11:25 pm
Sample : 0.4 1016 spike 6% x0.1
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 9:31 2009 Quant Results File: PCBSF102209.RES

Vial: 12
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220913.D Vial: 13
Acq On : 22 Oct 2009 11:59 pm Operator: K.B.
Sample : 0.4 1016 dp spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:31:50 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S decachlorobiphenyl	26.79	1852073462	71.403		
Target Compounds					
2) L1 1016(1)	5.27	85757290	0.554	ppb	
3) L1 1016(2)	6.69	221428040	0.591	ppb	
4) L1 1016(3)	8.08	440232568	0.591	ppb	m
5) L1 1016(4)	8.75	132167293	0.558	ppb	m
6) L1 1016(5)	10.91	171652646	0.642	ppb	
Sum 1016(1)		1051.2E6	2.936	ppb	
Average 1016(1)			0.587	ppb	
7) L2 1260(6)	0.00	0	N.D.	ppb	
8) L2 1260(7)	0.00	0	N.D.	ppb	
9) L2 1260(8)	21.10	2952459	N.D.	ppb	
10) L2 1260(9)	21.76	12589047	N.D.	ppb	
11) L2 1260(10)	23.30	84709098	0.193	ppb	
Sum 1260(6)		84709098	0.159	ppb	
Average 1260(6)			0.159	ppb	

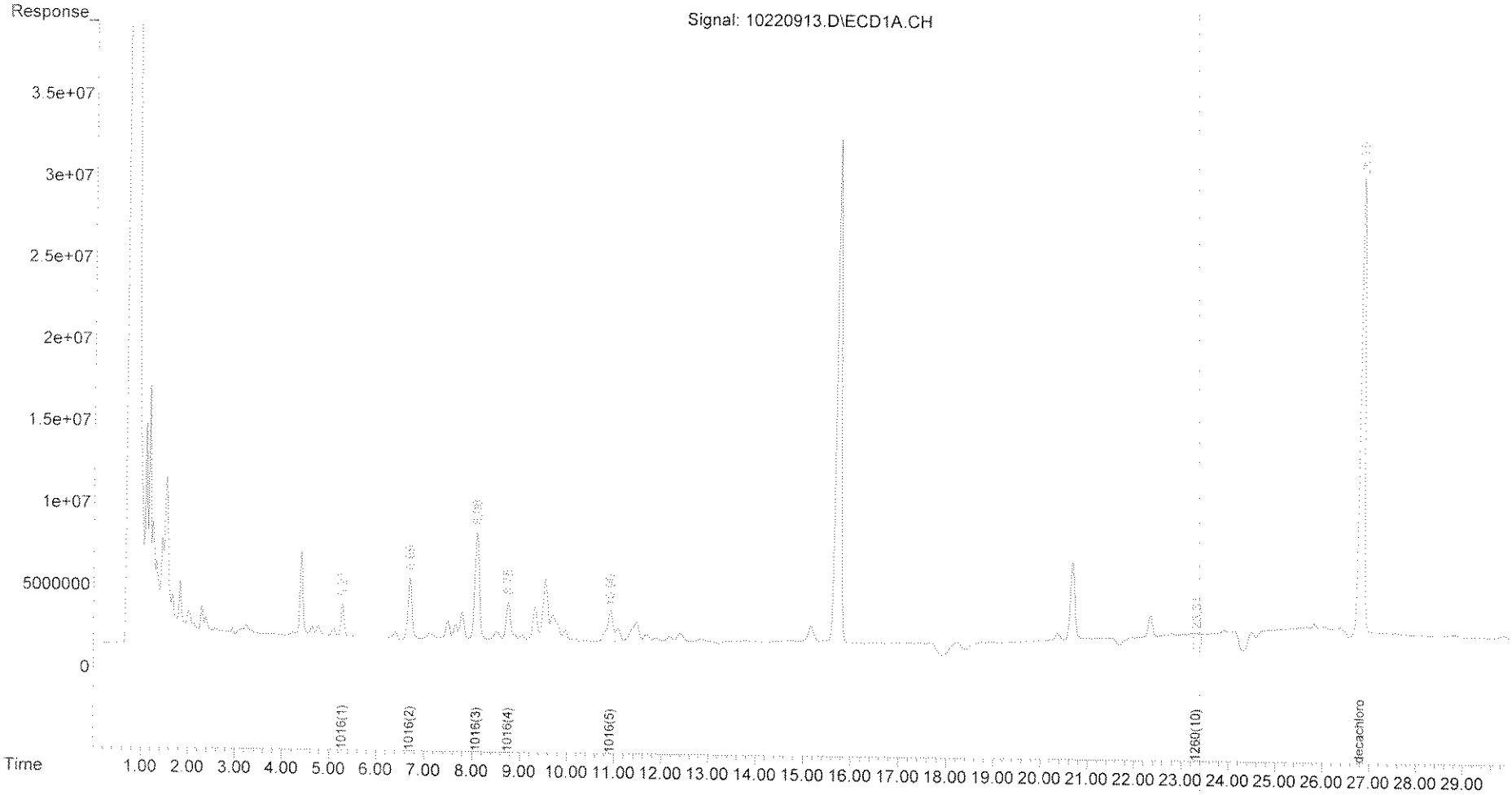
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220913.D Vial: 13
Acq On : 22 Oct 2009 11:59 pm Operator: K.B.
Sample : 0.4 1016 dp spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:32 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220913.D PCBSF102209.M Mon Nov 02 16:26:16 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:32:32 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.80	1363882808	52.582	
Target Compounds				
2) L1 1016(1)	5.23	8570780	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	0.00	0	N.D.	ppb
Sum 1016(1)		0	N.D.	ppb
Average 1016(1)			0.000	ppb
7) L2 1260(6)	16.77	10375382	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	23.28	31193592	0.057	ppb
Sum 1260(6)		31193592	0.030	ppb
Average 1260(6)			0.030	ppb

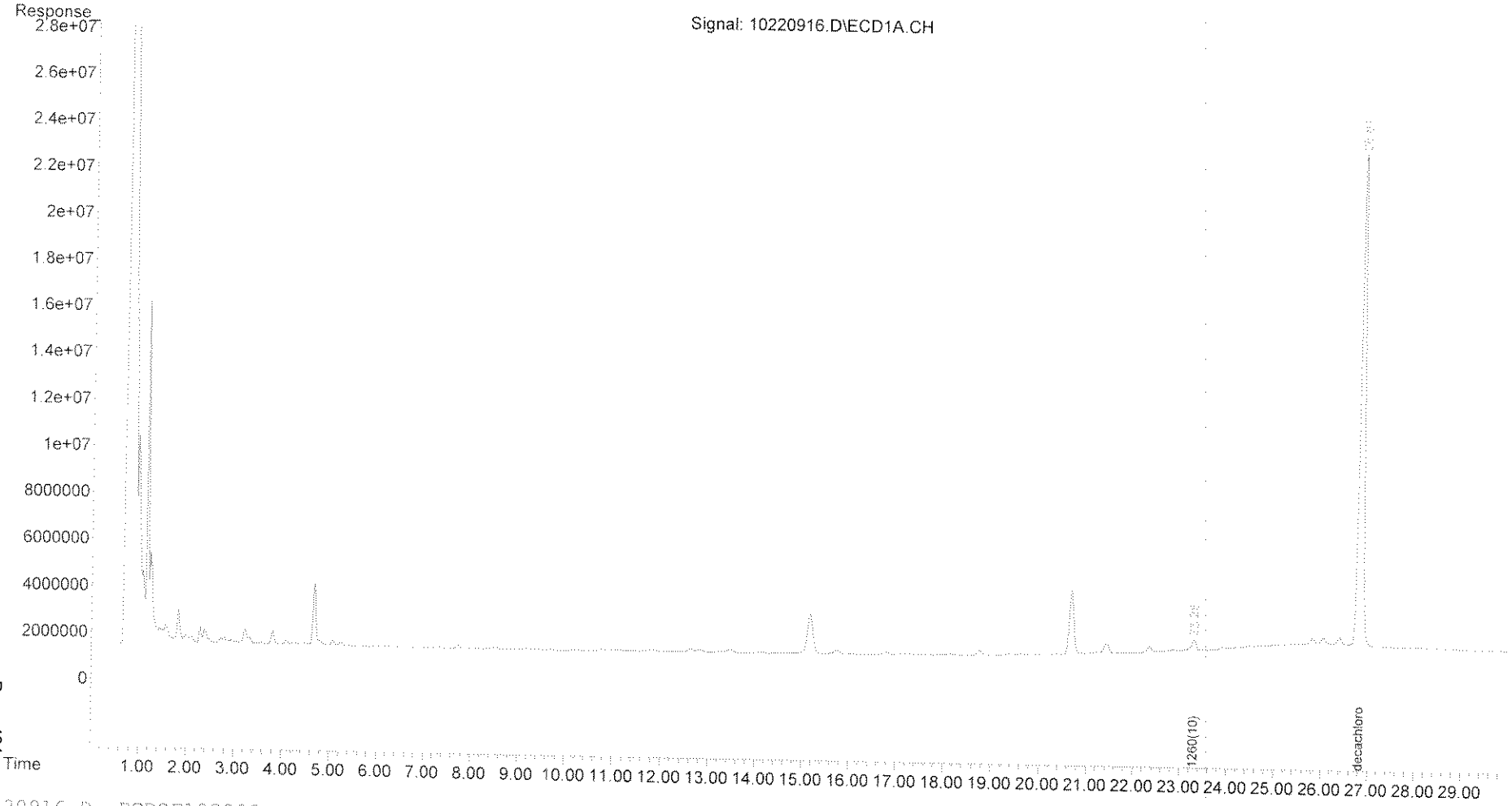
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:32 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220918.D Vial: 4
Acq On : 23 Oct 2009 2:45 am Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:32:58 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S decachlorobiphenyl	0.00	0	N.D.		
	Target Compounds					
2)	L1 1016(1)	5.27	97734785	0.641	ppb	
3)	L1 1016(2)	6.69	232664224	0.624	ppb	
4)	L1 1016(3)	8.09	459170680	0.618	ppb	
5)	L1 1016(4)	8.75	148723198	0.637	ppb	m
6)	L1 1016(5)	10.91	170617363	0.637	ppb	
	Sum 1016(1)		1108.9E6	3.156	ppb	
	Average 1016(1)			0.631	ppb	
7)	L2 1260(6)	16.73	276774033	0.645	ppb	
8)	L2 1260(7)	17.27	324172601	0.637	ppb	
9)	L2 1260(8)	21.11	238622659	0.633	ppb	
10)	L2 1260(9)	21.69	511477398	0.620	ppb	
11)	L2 1260(10)	23.27	252414828	0.620	ppb	m
	Sum 1260(6)		1603.5E6	3.156	ppb	
	Average 1260(6)			0.631	ppb	

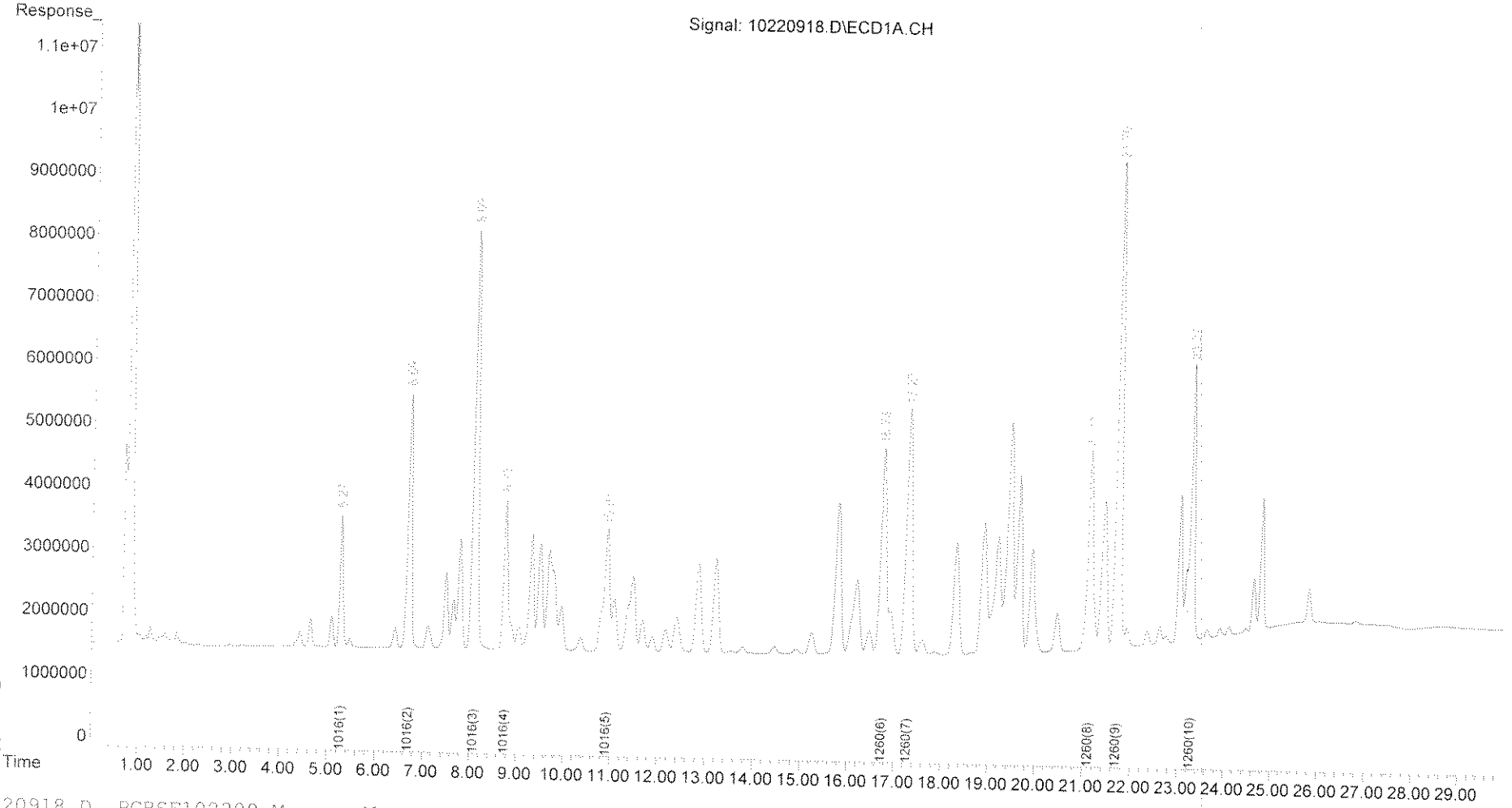
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220918.D Vial: 4
Acq On : 23 Oct 2009 2:45 am Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 9:33 2009 Quant Results File: PCBSF102209.RES

Quant Method : C:\MSDCHEM\1...\PCBSF102209.M (Chemstation Integrator)
Title :
Last Update : Fri Oct 23 10:27:09 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220918.D PCBSF102209.M Mon Nov 02 16:28:26 2009

Additional reports

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\1221F073009.M (Chemstation Integrator)
Title :
Last Update : Wed Aug 12 12:00:13 2009

Calibration Files
0.5 =07300931.D 1.0 =07300934.D 3.0 =07300936.D
6.0 =07300935.D 9.0 =07300937.D 100 =07300907.D

	Compound	0.5	1.0	3.0	6.0	9.0	100	Avg	%RSD
1) S	decachlorobiphen						2.370	2.370 E7	0.00
2) L1	1221(1)	8.018	6.942	6.665	5.706	5.652		6.597 E7	14.83
3) L1	1221(2)	1.019	0.907	0.839	0.740	0.740		0.849 E8	13.96
4) L1	1221(3)	6.476	5.717	5.548	4.829	4.792		5.472 E7	12.76
5) L1	1221(4)	2.010	1.736	1.660	1.461	1.479		1.669 E8	13.39

(#) = Out of Range

1221F073009.M Fri Oct 23 10:39:53 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220914.D Vial: 14
Acq On : 23 Oct 2009 12:32 am Operator: K.B.
Sample : 1221 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:39:27 2009 Quant Results File: 1221F073009.RES

Quant Method : C:\MSDCHEM\1...\1221F073009.M (Chemstation Integrator)
Title :
Last Update : Wed Aug 12 12:00:13 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1221(1)	2.93	16852880	0.221 ppb
3) L1 1221(2)	4.63	20973916	0.218 ppb
4) L1 1221(3)	5.07	13579109	0.217 ppb
5) L1 1221(4)	5.27	42566885	0.232 ppb
Sum 1221(1)		93972790	0.888 ppb
Average 1221(1)			0.222 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220914.D 1221F073009.M Fri Oct 23 10:39:44 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:40:06 2009 Quant Results File: 1221F073009.RES

Quant Method : C:\MSDCHEM\1...\1221F073009.M (Chemstation Integrator)
Title :
Last Update : Wed Aug 12 12:00:13 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1387583045	58.553
Target Compounds			
2) L1 1221(1)	2.94	4109713	N.D. ppb m
3) L1 1221(2)	4.67	106010803	1.405 ppb m
4) L1 1221(3)	5.06	9420378	0.128 ppb m
5) L1 1221(4)	5.23f	8724872	N.D. ppb m
Sum 1221(1)		115.4E6	1.517 ppb
Average 1221(1)			0.758 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220916.D 1221F073009.M Fri Oct 23 10:40:41 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220915.D Vial: 15
Acq On : 23 Oct 2009 1:05 am Operator: K.B.
Sample : 1254 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:41:11 2009 Quant Results File: 1254F090309.RES

Quant Method : C:\MSDCHEM\1...\1254F090309.M (Chemstation Integrator)
Title :
Last Update : Fri Sep 04 11:37:25 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1254(1)	9.49	38904551	0.165 ppb m
3) L1 1254(2)	12.16	30735255	0.161 ppb
4) L1 1254(3)	15.78	137417699	0.185 ppb m
5) L1 1254(4)	16.73	35839065	0.158 ppb m
6) L1 1254(5)	17.27	53531288	0.150 ppb
7) L1 1254(6)	18.64	39223870	0.154 ppb
Sum 1254(1)		335.7E6	0.973 ppb
Average 1254(1)			0.162 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220915.D 1254F090309.M Fri Oct 23 10:41:44 2009

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\1254F090309.M (Chemstation Integrator)
Title :
Last Update : Fri Sep 04 11:37:25 2009

Calibration Files
0.5 =09.D 1.0 =10.D 3.0 =11.D
6.0 =12.D 9.0 =13.D 100 =08.D

	Compound	0.5	1.0	3.0	6.0	9.0	100	Avg	%RSD
1) S	decachlorobiphen						2.264	2.264 E7	0.00
2) L1	1254(1)	2.475	2.298	2.200	1.983	1.988		2.189 E8	9.59
3) L1	1254(2)	2.030	1.827	1.841	1.657	1.698		1.810 E8	8.08
4) L1	1254(3)	7.625	7.423	7.230	6.326	6.488		7.018 E8	8.24
5) L1	1254(4)	2.372	2.220	2.119	1.825	1.891		2.085 E8	10.91
6) L1	1254(5)	3.634	3.389	3.325	2.779	2.885		3.202 E8	11.22
7) L1	1254(6)	2.576	2.465	2.534	2.128	2.279		2.396 E8	7.86

(#) = Out of Range

1254F090309.M Fri Oct 23 10:43:58 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:42:02 2009 Quant Results File: 1254F090309.RES

Quant Method : C:\MSDCHEM\1...\1254F090309.M (Chemstation Integrator)
Title :
Last Update : Fri Sep 04 11:37:25 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
System Monitoring Compounds					
1) S	decachlorobiphenyl	26.80	1362099117	60.171	
Target Compounds					
2) L1	1254(1)	0.00	0	N.D.	ppb
3) L1	1254(2)	0.00	0	N.D.	ppb
4) L1	1254(3)	0.00	0	N.D.	ppb
5) L1	1254(4)	0.00	0	N.D.	ppb
6) L1	1254(5)	0.00	0	N.D.	ppb
7) L1	1254(6)	0.00	0	N.D.	ppb
Sum	1254(1)		0	N.D.	ppb
Average	1254(1)			0.000	ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220916.D 1254F090309.M Fri Oct 23 10:42:14 2009

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\1232F061209.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 15:06:54 2009

Calibration Files
0.5 =06120981.D 1.0 =06120982.D 3.0 =06120983.D
6.0 =06120984.D 9.0 =06120985.D 100 =06120945.D

		Compound	0.5	1.0	3.0	6.0	9.0	100	Avg	%RSD
1)	S	decachlorobiphen						2.806	2.806 E7	0.00
2)	L1	1232(1)	2.199	2.062	1.855	1.931	1.922		1.994 E8	6.89
3)	L1	1232(2)	4.546	4.321	3.893	3.536	3.577		3.975 E8	11.27
4)	L1	1232(3)	1.521	1.430	1.326	1.159	1.184		1.324 E8	11.75
5)	L1	1232(4)	2.078	2.002	1.879	1.668	1.650		1.855 E8	10.40
6)	L1	1232(5)	1.583	1.543	1.427	1.270	1.260		1.417 E8	10.59
7)	L1	1232(6)	1.519	1.490	1.364	1.216	1.214		1.361 E8	10.67

(#) = Out of Range

1232F061209.M Fri Oct 23 10:43:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220917.D Vial: 17
Acq On : 23 Oct 2009 2:12 am Operator: K.B.
Sample : 1232 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:42:35 2009 Quant Results File: 1232F061209.RES

Quant Method : C:\MSDCHEM\1...\1232F061209.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 15:06:54 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1232(1)	5.27	33025192	0.166 ppb
3) L1 1232(2)	8.09	70574402	0.166 ppb
4) L1 1232(3)	8.75	23796419	0.166 ppb m
5) L1 1232(4)	10.91	32117645	0.155 ppb
6) L1 1232(5)	12.16	24811030	0.157 ppb
7) L1 1232(6)	13.77f	22615132	0.148 ppb
Sum 1232(1)		206.9E6	0.958 ppb
Average 1232(1)			0.160 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220917.D 1232F061209.M Fri Oct 23 10:42:57 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 10:43:20 2009 Quant Results File: 1232F061209.RES

Quant Method : C:\MSDCHEM\1...\1232F061209.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 15:06:54 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound		R.T.	Response	Conc Units
System Monitoring Compounds				
1) S	decachlorobiphenyl	26.80	1363882808	48.607
Target Compounds				
2) L1	1232(1)	5.23f	8570780	0.038 ppb
3) L1	1232(2)	0.00	0	N.D. ppb
4) L1	1232(3)	0.00	0	N.D. ppb
5) L1	1232(4)	0.00	0	N.D. ppb
6) L1	1232(5)	0.00	0	N.D. ppb
7) L1	1232(6)	0.00	0	N.D. ppb
Sum	1232(1)		8570780	0.038 ppb
Average	1232(1)			0.038 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220916.D 1232F061209.M Fri Oct 23 10:43:34 2009

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\1242F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 25 16:06:39 2009

Calibration Files
0.5 =06230965.D 1.0 =06230966.D 3.0 =06230967.D
6.0 =06230968.D 9.0 =06230969.D 100 =06230908.D

	Compound	0.5	1.0	3.0	6.0	9.0	100	Avg		%RSD
1) S	decachlorobiphen						2.615	2.615	E7	0.00
2) L1	1242(1)	4.120	4.115	3.469	3.310	3.325		3.668	E8	11.32
3) L1	1242(2)	7.674	7.644	6.638	6.509	6.696		7.032	E8	8.19
4) L1	1242(3)	2.616	2.705	2.173	2.088	2.161		2.349	E8	12.28
5) L1	1242(4)	1.839	1.951	1.673	1.758	1.764		1.797	E8	5.80
6) L1	1242(5)	2.630	2.525	2.147	2.028	2.059		2.278	E8	12.29
7) L1	1242(6)	2.273	2.339	2.188	2.172	2.197		2.234	E8	3.14

(#) = Out of Range

1242F062309.M Fri Oct 23 10:44:26 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220925.D Vial: 24
Acq On : 23 Oct 2009 6:38 am Operator: K.B.
Sample : 1242 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : events3.e
Quant Time: Oct 23 10:44:34 2009 Quant Results File: 1242F062309.RES

Quant Method : C:\MSDCHEM\1...\1242F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 25 16:06:39 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1242(1)	6.69	65600544	0.170 ppb
3) L1 1242(2)	8.07	123101626	0.174 ppb
4) L1 1242(3)	8.74	42141581	0.175 ppb m
5) L1 1242(4)	9.30	30267856	0.170 ppb
6) L1 1242(5)	10.89	44157685	0.188 ppb m
7) L1 1242(6)	13.76	43775411	0.196 ppb
Sum 1242(1)		349.0E6	1.074 ppb
Average 1242(1)			0.179 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : events3.e
Quant Time: Oct 23 10:45:20 2009 Quant Results File: 1242F062309.RES

Quant Method : C:\MSDCHEM\1...\1242F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 25 16:06:39 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1364442256	52.175
Target Compounds			
2) L1 1242(1)	0.00	0	N.D. ppb
3) L1 1242(2)	0.00	0	N.D. ppb
4) L1 1242(3)	0.00	0	N.D. ppb
5) L1 1242(4)	0.00	0	N.D. ppb
6) L1 1242(5)	0.00	0	N.D. ppb
7) L1 1242(6)	0.00	0	N.D. ppb
Sum 1242(1)		0	N.D. ppb
Average 1242(1)		0	N.D. ppb
			0.000 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220916.D 1242F062309.M Fri Oct 23 10:45:31 2009

Response Factor Report gc7

Method : C:\MSDCHEM\1\METHODS\1248F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 17 15:31:02 2009

Calibration Files
0.5 =06230930.D 1.0 =06230931.D 3.0 =06230932.D
6.0 =06230933.D 9.0 =09160944.D 100 =06230908.D

	Compound	0.5	1.0	3.0	6.0	9.0	100	Avg	%RSD
1) S	decachlorobiphen						2.615	2.615 E7	0.00
2) L1	1248(1)	5.727	5.343	4.661	4.213	4.319		4.852 E8	13.58
3) L1	1248(2)	5.253	4.983	4.268	3.806	3.850		4.432 E8	14.85
4) L1	1248(3)	4.359	4.383	3.795	3.373	3.387		3.860 E8	12.88
5) L1	1248(4)	5.430	5.063	4.422	3.967	4.039		4.584 E8	14.00
6) L1	1248(5)	4.783	4.466	3.913	3.512	3.571		4.049 E8	13.79
7) L1	1248(6)	2.101	2.049	1.914	1.680	1.680		1.885 E8	10.56

(#) = Out of Range

1248F062309.M Fri Oct 23 10:46:26 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220926.D Vial: 25
Acq On : 23 Oct 2009 7:11 am Operator: K.B.
Sample : 1248 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Oct 23 10:45:55 2009 Quant Results File: 1248F062309.RES

Quant Method : C:\MSDCHEM\1...\1248F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 17 15:31:02 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1248(1)	8.08	78982687	0.149 ppb
3) L1 1248(2)	10.90	72825209	0.146 ppb
4) L1 1248(3)	11.45	63942556	0.146 ppb
5) L1 1248(4)	12.15	74815004	0.147 ppb
6) L1 1248(5)	13.76	65671382	0.146 ppb
7) L1 1248(6)	16.44	29127879	0.133 ppb
Sum 1248(1)		385.4E6	0.868 ppb
Average 1248(1)			0.145 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.
10220926.D 1248F062309.M Fri Oct 23 10:46:11 2009

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\102209F\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Oct 23 10:49:31 2009 Quant Results File: 1248F062309.RES

Quant Method : C:\MSDCHEM\1...\1248F062309.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 17 15:31:02 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1363882808	52.153
Target Compounds			
2) L1 1248(1)	0.00	0	N.D. ppb
3) L1 1248(2)	0.00	0	N.D. ppb
4) L1 1248(3)	0.00	0	N.D. ppb
5) L1 1248(4)	0.00	0	N.D. ppb
6) L1 1248(5)	0.00	0	N.D. ppb
7) L1 1248(6)	0.00	0	N.D. ppb
Sum 1248(1)		0	N.D. ppb
Average 1248(1)		0	N.D. ppb
			0.000 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Copy of the extraction Logbook

Date	Sample ID	Matrix	Sample wt/vol	Final vol	Vial ID & dilut	Matrix	Init pH	Final pH	Comments
	NIS 1403.12	W	1000ml	1ml	1403 12 x 4	SOIL	n7	n7	CSF Amyl 22
10.21.09	PCB. BLK				BLK x 0.1	PCB			
	SPK				SPK x 0.1				0.4101
	SPK		↓		SPK x 0.1				9.42
	LCS		1000 ml		LCS x 0.1				Exp. 3.1510
	294349	↓	2000 ml	↓	4349 x 005				
	294399	W	2000 ml	1ml	4399 x 0.05	PCB	n7	n7	
10.21.09	AE. BLK		1000 ml		BLK x 1	AE		22	
	SPK				SPK x 1				+XAE
	SPK				SPK x 1				+40 ppm
	LCS				LCS x 1				ASWSA
	294329.01	↓	↓	↓	4329 01 x 1	↓			
	294350.01	W	1000ml	1ml	4350.01 x 1	AE	n7	22	
10.21.09	PCB. BLK	S	25 g	10ml	BLK x 40	PCB	NA	NA	
	SPK				SPK x 40				4.0 1200
	SPK		↓		SPK x 40				LCS30
	LCS	↓	25 g	↓	LCS x 40	↓	↓	↓	Exp. 10/12
	294359	S	1 g	10ml	4359 x 1000	PCB	NA	NA	
10.21.09	BNA BLK		33.3 g	1ml	BLK x 30	BNA			
	SPK				SPK x 30				
	SPK				SPK x 30				
	LCS				LCS x 30				
	294403.01				4403.01 x 30				
	.03	S	↓	↓	.03 x 30	↓	↓	↓	

Comm'ty QC Analyzer A

Assembly NA

Surface Activation 50 ul SCS

Analyst JS

Sample #

0.4 (10)
9-12 ppm
2 exp.
3.13.10

50 ul PCB → NA → 5 ul PCB → JS → RDS1403.12
RS → PCB BLK
SPK
SPK
LCS
Z94349

col dw → NA → 5 ul PCB → RS → Z94399
50 ul AE → JS/RS → AE BLK
SPK
SPK
LCS

+XAE
+40 ppb
ASE 300

NA → 50 ul AE → JS/RS → Z94329.01
ASE 2 → 50 ul PCB → RS → Z94350.01
PCB BLK
SPK
SPK
LCS

4.0 (200)
LB53023
exp
10/12

ASE 2 → 50 ul PCB → RS → Z94359
100 ul BU, 50 ul AE → BLK-BLK
SCK
SPK
LCS
Z94403.01
.03

Sequence Name: C:\MSDCHEM\1\SEQUENCE\102209.S
Comment:
Operator: K.B.
Data Path: C:\MSDchem\1\DATA\102209f\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	10220901	PCBSF	1254 3.0
2	Sample	2	10220902	PCBSF	1016/1260 0.5
3	Sample	3	10220903	PCBSF	1016/1260 1.0
4	Sample	4	10220904	PCBSF	1016/1260 3.0
5	Sample	5	10220905	PCBSF	1016/1260 6.0
6	Sample	6	10220906	PCBSF	1016/1260 9.0
7	Sample	7	10220907	PCBSF	pcb surr
8	Sample	8	10220908	PCBSF	met bl x0.1 10/21/09
9	Sample	9	10220909	PCBSF	0.4 1016 lcs nc x0.1
10	Sample	10	10220910	PCBSF	1016 ref
11	Sample	11	10220911	PCBSF	1260 ref
12	Sample	12	10220912	PCBSF	0.4 1016 spike 6% x0.1
13	Sample	13	10220913	PCBSF	0.4 1016 dp spike 6% x0.1
14	Sample	14	10220914	PCBSF	1221 1.0
15	Sample	15	10220915	PCBSF	1254 1.0
16	Sample	16	10220916	PCBSF	4399 6% x0.05
17	Sample	17	10220917	PCBSF	1232 1.0
18	Sample	4	10220918	PCBSF	1016/1260 3.0
19	Sample	18	10220919	PCBSF	4349 nc x0.05
20	Sample	19	10220920	PCBSF	met bl x40 10/21/09
21	Sample	20	10220921	PCBSF	4.0 1260 lcs nc x40
22	Sample	21	10220922	PCBSF	4359 nc x1k
23	Sample	22	10220923	PCBSF	4.0 1260 spike nc x40
24	Sample	23	10220924	PCBSF	4.0 1260 dp spike nc x40
25	Sample	24	10220925	PCBSF	1242 1.0
26	Sample	25	10220926	PCBSF	1248 1.0
27	Sample	5	10220927	PCBSF	1016/1260 6.0
28	Sample	26	10220928	PCBSF	4445.01 nc x10k
29	Sample	27	10220929	PCBSF	4445.02 nc x10k
30	Sample	28	10220930	PCBSF	1221 3.0
31	Sample	29	10220931	PCBSF	1016/1260 1.0
32	Sample	30	10220932	PCBSF	1254 0.5
33	Sample	31	10220933	PCBSF	1254 1.0
34	Sample	32	10220934	PCBSF	1254 3.0
35	Sample	33	10220935	PCBSF	1254 6.0
36	Sample	34	10220936	PCBSF	1254 9.0
37	Sample	35	10220937	PCBSF	met bl x0.1 10/23/09
38	Sample	36	10220938	PCBSF	0.4 1260 lcs nc x0.1
39	Sample	37	10220939	PCBSF	4444 6% x0.05
40	Sample	38	10220940	PCBSF	4469 6% x0.05
41	Sample	39	10220941	PCBSF	0.4 1260 spike 6% x0.1
42	Sample	40	10220942	PCBSF	0.4 1260 dp spike 6% x0.1
43	Sample	41	10220943	PCBSF	1232 3.0

Sequence Name: C:\MSDCHEM\1\SEQUENCE\102209.S

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	42	10220944	PCBSF	1242 3.0
45	Sample	43	10220945	PCBSF	met bl x40 10/23/09
46	Sample	44	10220946	PCBSF	4.0 1016 lcs nc x40
47	Sample	45	10220947	PCBSF	4445.01 nc x1k
48	Sample	46	10220948	PCBSF	4445.02 nc x1k
49	Sample	47	10220949	PCBSF	1248 3.0
50	Sample	48	10220950	PCBSF	4.0 1016 spike nc x40
51	Sample	49	10220951	PCBSF	4.0 1016 dp spike nc x40
52	Sample	50	10220952	PCBSF	1254 ref
53	Sample	51	10220953	PCBSF	1016/1260 3.0

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220901.D Vial: 1
Acq On : 22 Oct 2009 5:20 pm Operator: K.B.
Sample : 1254 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 17:50:30 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	0.00	0	N.D.	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	8.15	26133749	0.018	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	10.90	64146036	0.208	ppb
Sum 1016(1)		90279785	0.225	ppb
Average 1016(1)			0.113	ppb
7) L2 1260(6)	16.73	145443306	0.297	ppb
8) L2 1260(7)	17.27	168060876	0.301	ppb
9) L2 1260(8)	21.21	114186056	0.270	ppb
10) L2 1260(9)	21.70	79166123	0.079	ppb
11) L2 1260(10)	23.27	39856190	0.068	ppb
Sum 1260(6)		546.7E6	1.015	ppb
Average 1260(6)			0.203	ppb

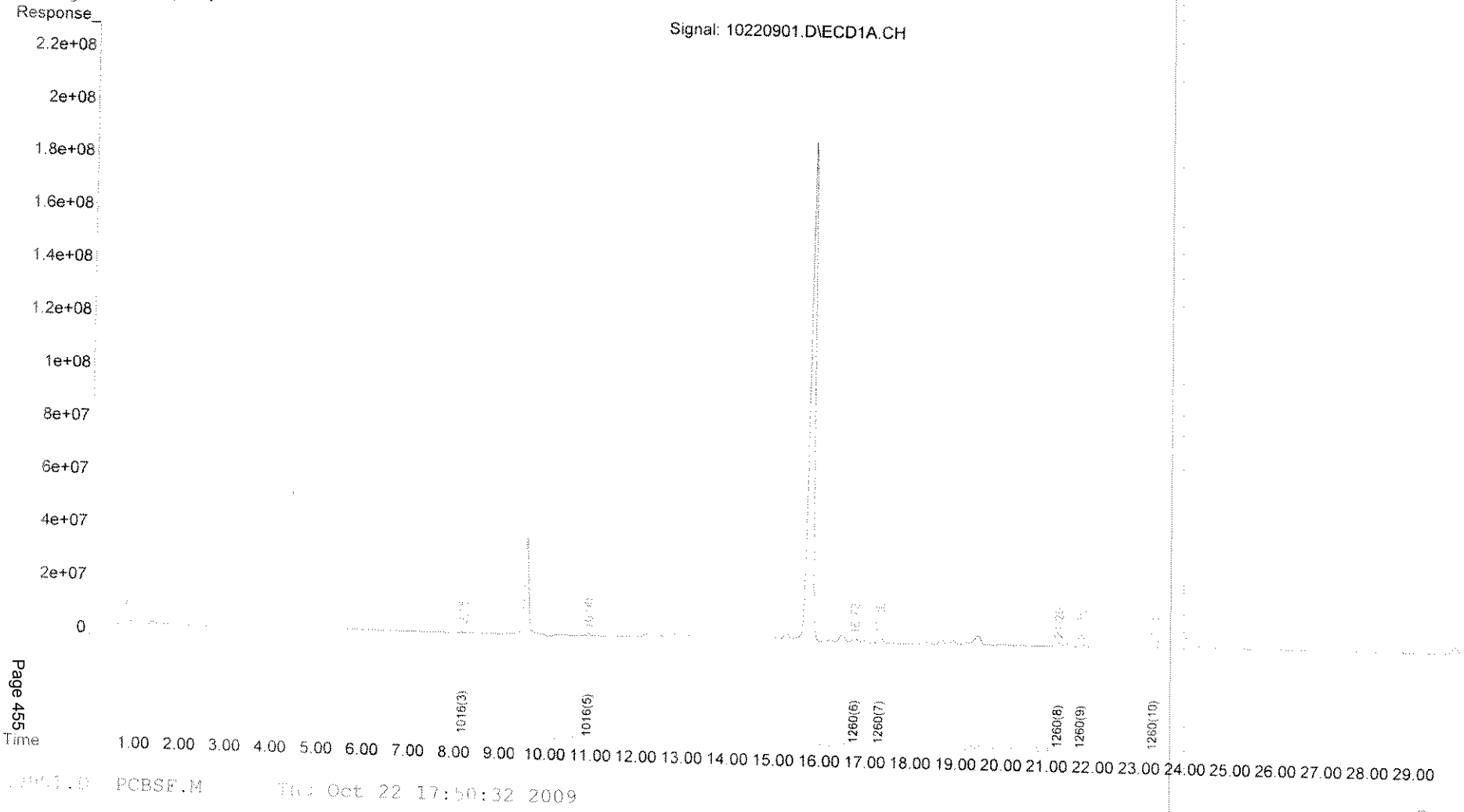
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220901.D Vial: 1
Acq On : 22 Oct 2009 5:20 pm Operator: K.B.
Sample : 1254 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 17:50 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



102209f\10220901.D PCBSF.M Thu Oct 22 17:50:32 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220902.D Vial: 2
Acq On : 22 Oct 2009 5:53 pm Operator: K.B.
Sample : 1016/1260 0.5 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 18:23:40 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	19255759	0.085 ppb
3) L1 1016(2)	6.69	46824066	0.095 ppb
4) L1 1016(3)	8.09	88219984	0.103 ppb
5) L1 1016(4)	8.75	31401961	0.088 ppb
6) L1 1016(5)	10.91	33188393	0.085 ppb
Sum 1016(1)		218.9E6	0.455 ppb
Average 1016(1)			0.091 ppb
7) L2 1260(6)	16.74	60377232	0.081 ppb
8) L2 1260(7)	17.28	61129925	0.082 ppb
9) L2 1260(8)	21.12	40805021	0.068 ppb
10) L2 1260(9)	21.70	86283004	0.088 ppb
11) L2 1260(10)	23.27	61875788	0.123 ppb
Sum 1260(6)		310.5E6	0.441 ppb
Average 1260(6)			0.088 ppb

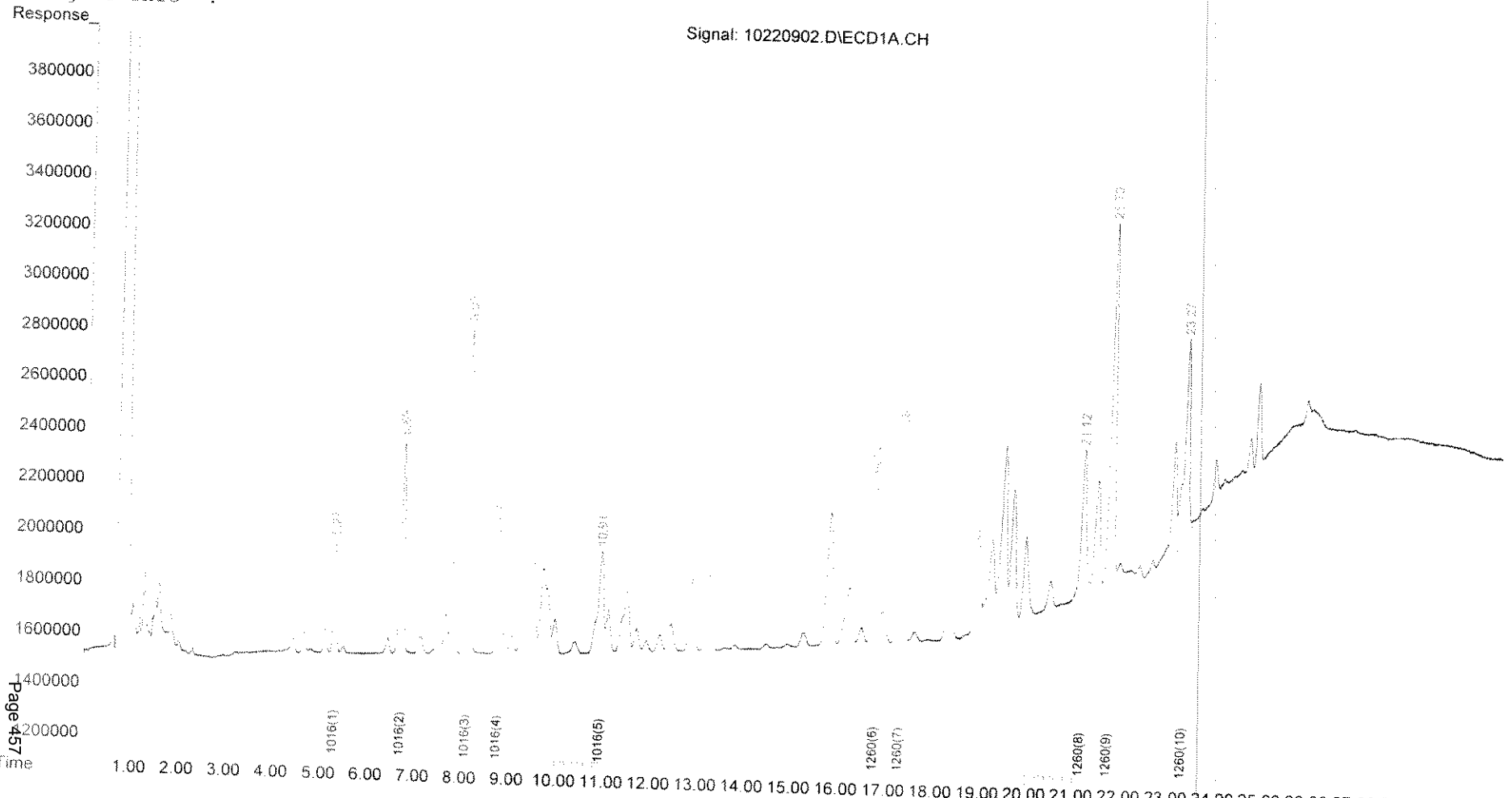
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220902.D Vial: 2
Acq On : 22 Oct 2009 5:53 pm Operator: K.B.
Sample : 1016/1260 0.5 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 18:23 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220902.D PCBSF.M Thu Oct 22 18:23:41 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220903.D Vial: 3
Acq On : 22 Oct 2009 6:26 pm Operator: K.B.
Sample : 1016/1260 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 18:57:00 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	36817456	0.206 ppb
3) L1 1016(2)	6.69	89206116	0.213 ppb
4) L1 1016(3)	8.09	170369504	0.215 ppb
5) L1 1016(4)	8.75	64718806	0.241 ppb
6) L1 1016(5)	10.91	65521885	0.213 ppb
Sum 1016(1)		426.6E6	1.089 ppb
Average 1016(1)			0.218 ppb
7) L2 1260(6)	16.75	117978242	0.227 ppb
8) L2 1260(7)	17.28	118185856	0.199 ppb
9) L2 1260(8)	21.12	85605273	0.191 ppb
10) L2 1260(9)	21.70	181843378	0.206 ppb
11) L2 1260(10)	23.27	106389670	0.235 ppb
Sum 1260(6)		610.0E6	1.057 ppb
Average 1260(6)			0.211 ppb

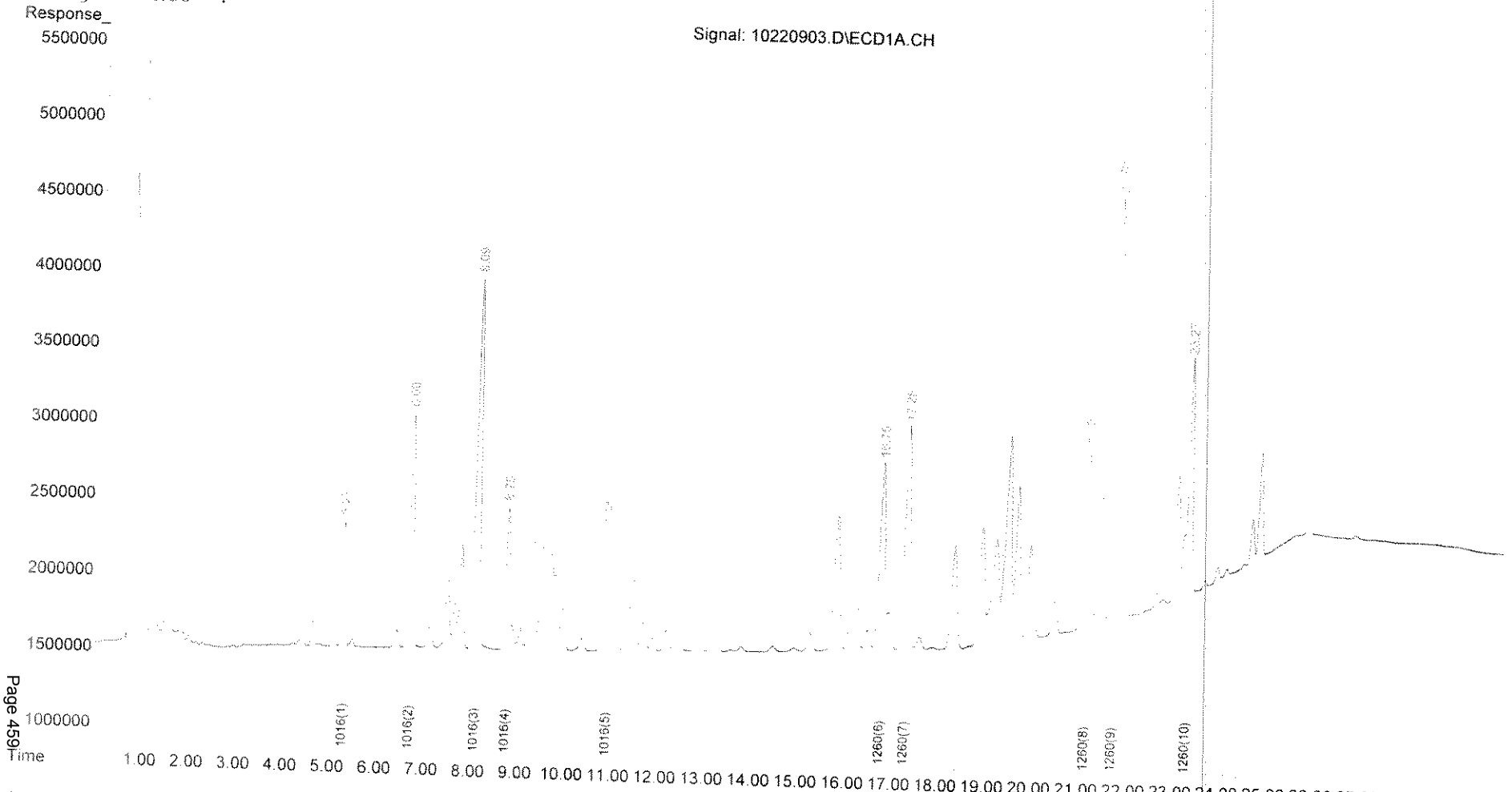
(f)=RT Delta > 1/2 Window (m)=manual int.
10220903.D PCBSF.M Thu Oct 22 18:57:01 2009 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220903.D Vial: 3
Acq On : 22 Oct 2009 6:26 pm Operator: K.B.
Sample : 1016/1260 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 18:57 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220903.D PCBSF.M Thu Oct 22 18:57:02 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220904.D Vial: 4
Acq On : 22 Oct 2009 7:00 pm Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 19:30:22 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	97390882	0.626 ppb
3) L1 1016(2)	6.70	233367868	0.617 ppb
4) L1 1016(3)	8.09	457776641	0.608 ppb
5) L1 1016(4)	8.75	167574755	0.715 ppb
6) L1 1016(5)	10.91	171170231	0.632 ppb
Sum 1016(1)		1127.3E6	3.198 ppb
Average 1016(1)			0.640 ppb
7) L2 1260(6)	16.74	276466459	0.629 ppb
8) L2 1260(7)	17.28	323781157	0.621 ppb
9) L2 1260(8)	21.11	239578070	0.616 ppb
10) L2 1260(9)	21.70	513395143	0.614 ppb
11) L2 1260(10)	23.27	256043254	0.610 ppb
Sum 1260(6)		1609.3E6	3.090 ppb
Average 1260(6)			0.618 ppb

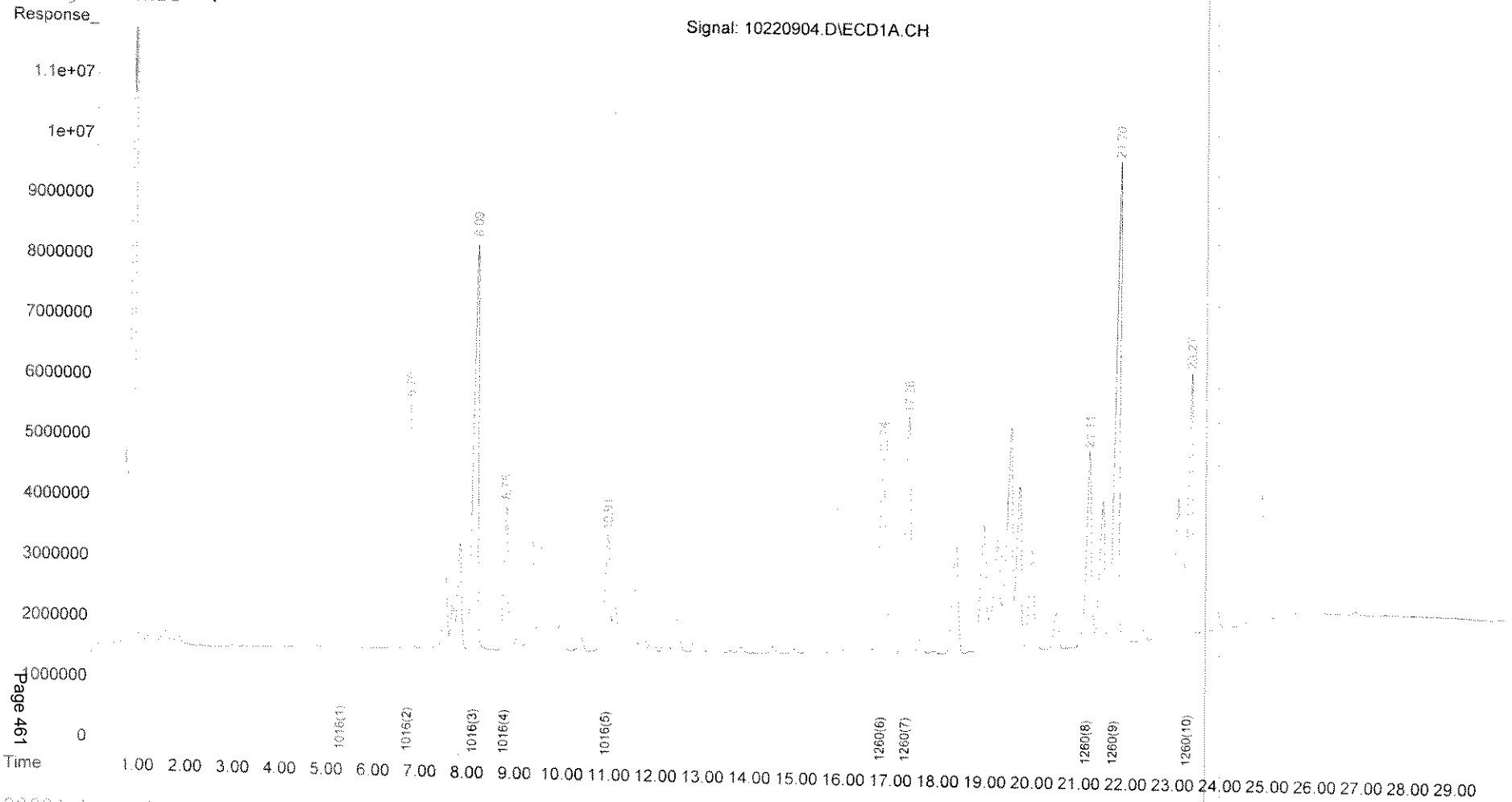
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220904.D Vial: 4
Acq On : 22 Oct 2009 7:00 pm Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 19:30 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220904.D PCBSF.M Thu Oct 22 19:30:23 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220905.D Vial: 5
Acq On : 22 Oct 2009 7:33 pm Operator: K.B.
Sample : 1016/1260 6.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 20:03:35 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.28	174521407	1.160 ppb
3) L1 1016(2)	6.69	427448581	1.160 ppb
4) L1 1016(3)	8.09	856550704	1.154 ppb
5) L1 1016(4)	8.75	305741054	1.350 ppb
6) L1 1016(5)	10.91	306404695	1.169 ppb
Sum 1016(1)		2070.7E6	5.993 ppb
Average 1016(1)			1.199 ppb
7) L2 1260(6)	16.74	494933096	1.184 ppb
8) L2 1260(7)	17.28	582011765	1.151 ppb
9) L2 1260(8)	21.12	434107683	1.153 ppb
10) L2 1260(9)	21.70	951416292	1.153 ppb
11) L2 1260(10)	23.27	558999309	1.370 ppb
Sum 1260(6)		3021.5E6	6.010 ppb
Average 1260(6)			1.202 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

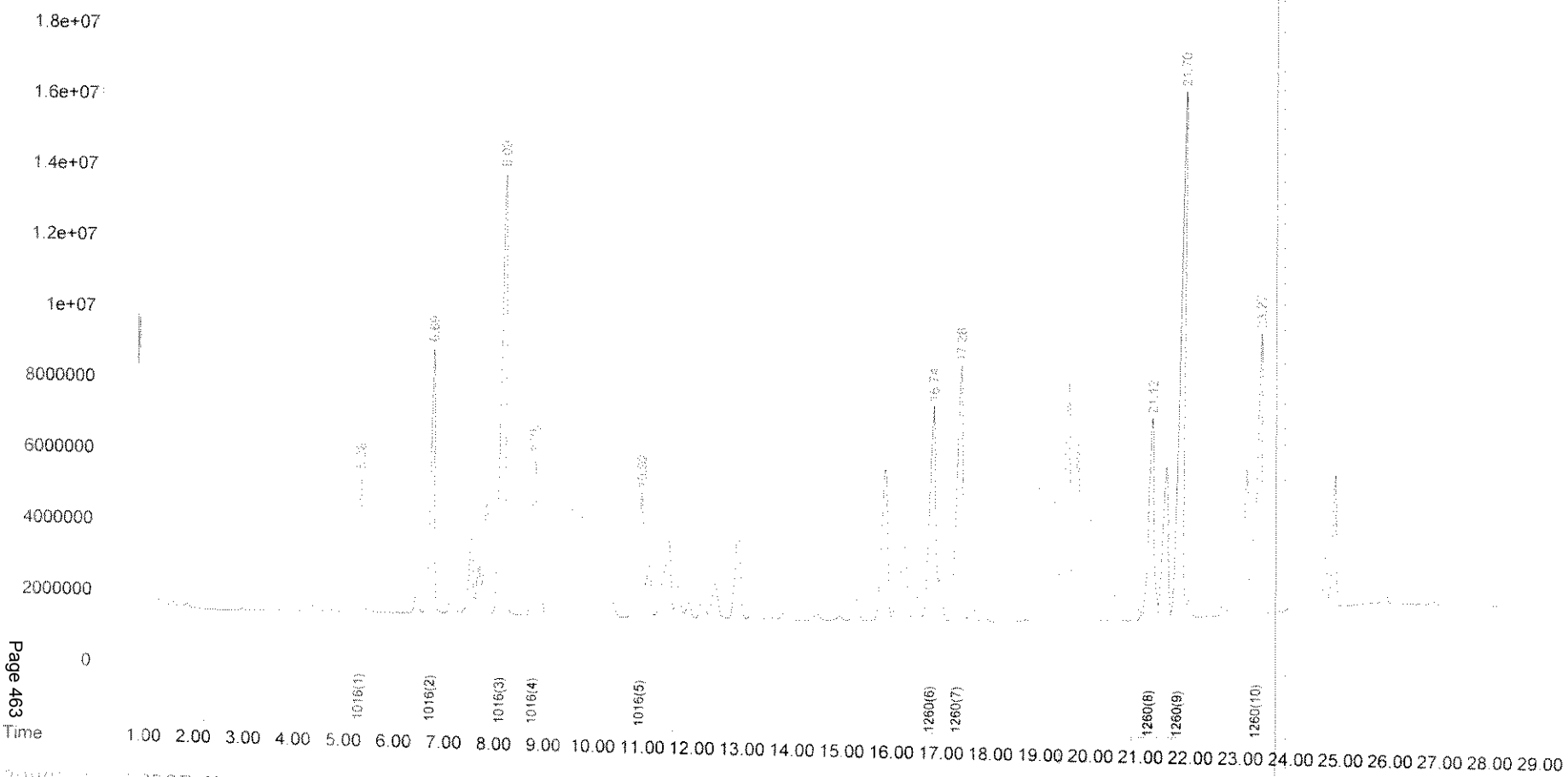
Data File : C:\MSDchem\1\DATA\102209f\10220905.D Vial: 5
Acq On : 22 Oct 2009 7:33 pm Operator: K.B.
Sample : 1016/1260 6.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 20:03 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Response_

Signal: 10220905.D\ECD1A.CH



10220905.D PCBSF.M Thu Oct 22 20:03:39 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220906.D Vial: 6
Acq On : 22 Oct 2009 8:06 pm Operator: K.B.
Sample : 1016/1260 9.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 20:36:55 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.79	10065463	0.359
Target Compounds			
2) L1 1016(1)	5.27	256752809	1.730 ppb
3) L1 1016(2)	6.69	634130757	1.738 ppb
4) L1 1016(3)	8.09	1292201837	1.750 ppb
5) L1 1016(4)	8.75	449684668	2.013 ppb
6) L1 1016(5)	10.91	449467957	1.736 ppb
Sum 1016(1)		3082.2E6	8.967 ppb
Average 1016(1)			1.793 ppb
7) L2 1260(6)	16.74	743151340	1.814 ppb
8) L2 1260(7)	17.27	872321120	1.747 ppb
9) L2 1260(8)	21.12	653752558	1.759 ppb
10) L2 1260(9)	21.69	1460289955	1.779 ppb
11) L2 1260(10)	23.27	848744208	2.097 ppb
Sum 1260(6)		4578.3E6	9.195 ppb
Average 1260(6)			1.839 ppb

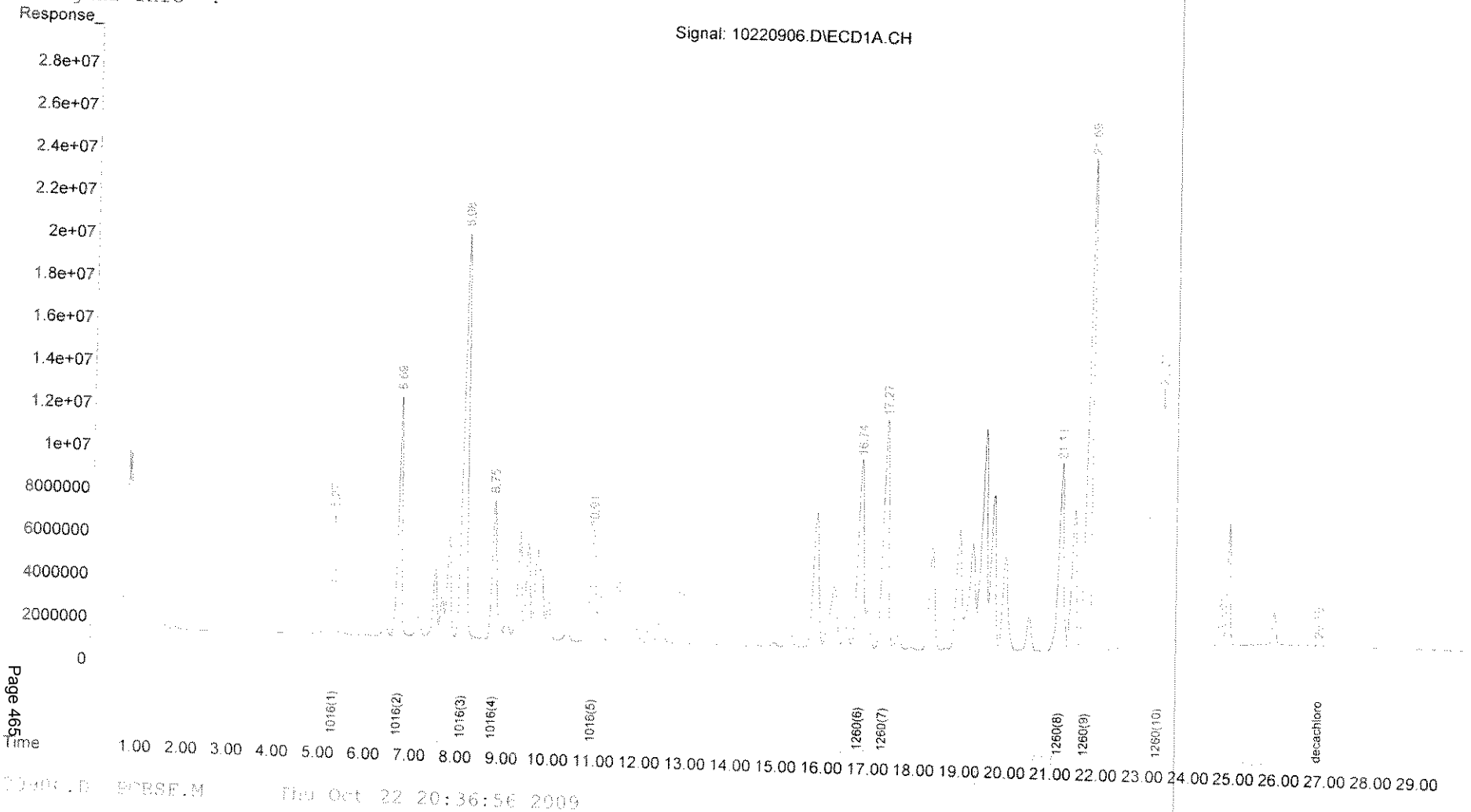
(f)=RT Delta > 1/2 Window (m)=manual int.
10220906.D PCBSF.M Thu Oct 22 20:36:55 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220906.D Vial: 6
Acq On : 22 Oct 2009 8:06 pm Operator: K.B.
Sample : 1016/1260 9.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 20:36 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220906.D PCBSF.M Thu Oct 22 20:36:56 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220907.D Vial: 7
Acq On : 22 Oct 2009 8:40 pm Operator: K.B.
Sample : pcb surr Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 21:10:03 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.79	2593830421	92.442	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	0.00	0	N.D.	ppb
Sum 1016(1)		0	N.D.	ppb
Average 1016(1)			0.000	ppb
7) L2 1260(6)	0.00	0	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	0.00	0	N.D.	ppb
Sum 1260(6)		0	N.D.	ppb
Average 1260(6)			0.000	ppb

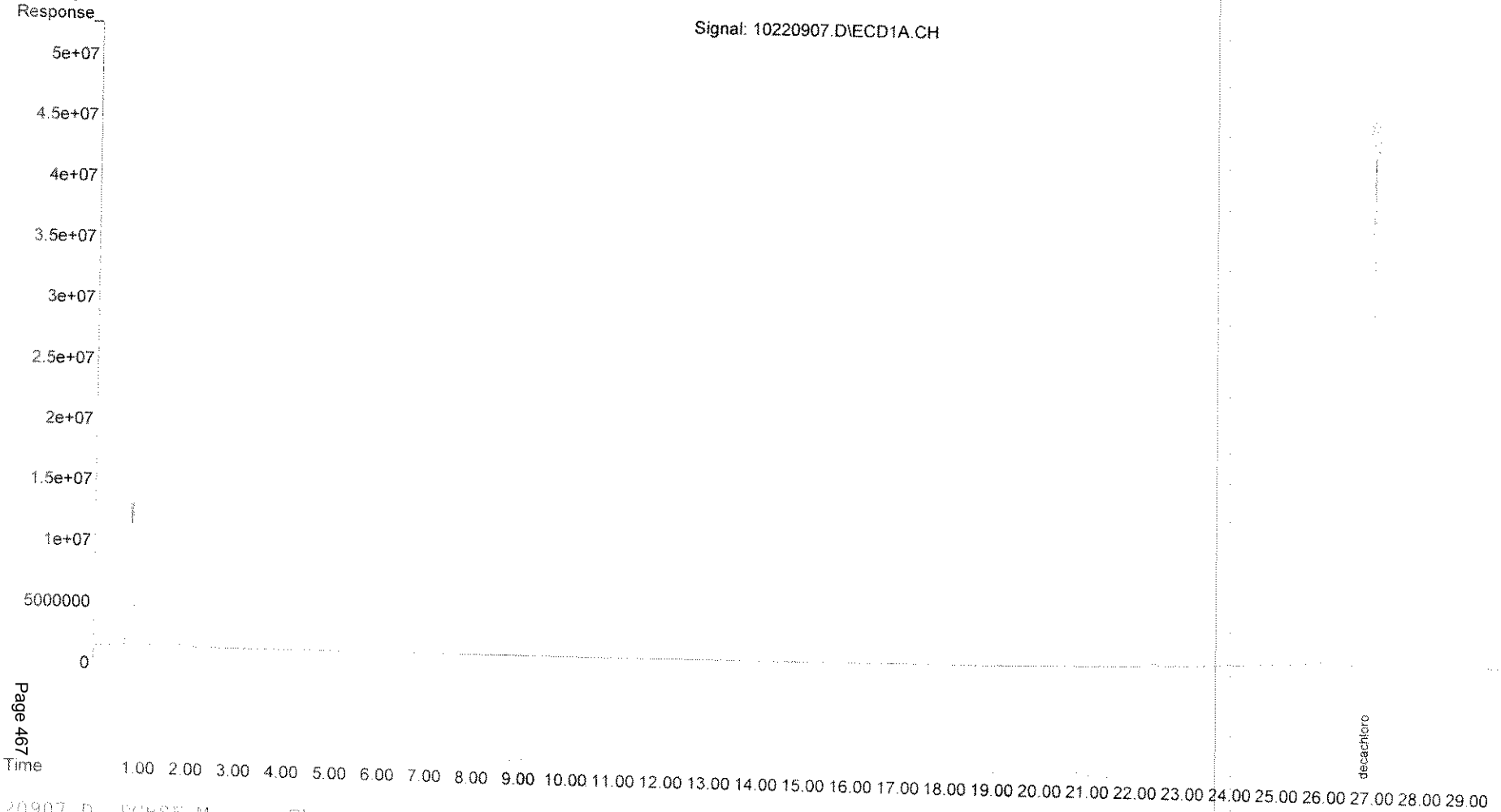
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220907.D Vial: 7
Acq On : 22 Oct 2009 8:40 pm Operator: K.B.
Sample : pcb surr Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 21:10 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220908.D Vial: 8
Acq On : 22 Oct 2009 9:13 pm Operator: K.B.
Sample : met bl x0.1 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 21:43:08 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1615731331	57.583
Target Compounds			
2) L1 1016(1)	5.10f	6509041	N.D. ppb
3) L1 1016(2)	6.80	15426080	0.007 ppb
4) L1 1016(3)	0.00	0	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		15426080	0.003 ppb
Average 1016(1)			0.003 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	21.23	244410584	0.629 ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	23.30	101905672	0.224 ppb
Sum 1260(6)		346.3E6	0.853 ppb
Average 1260(6)			0.427 ppb

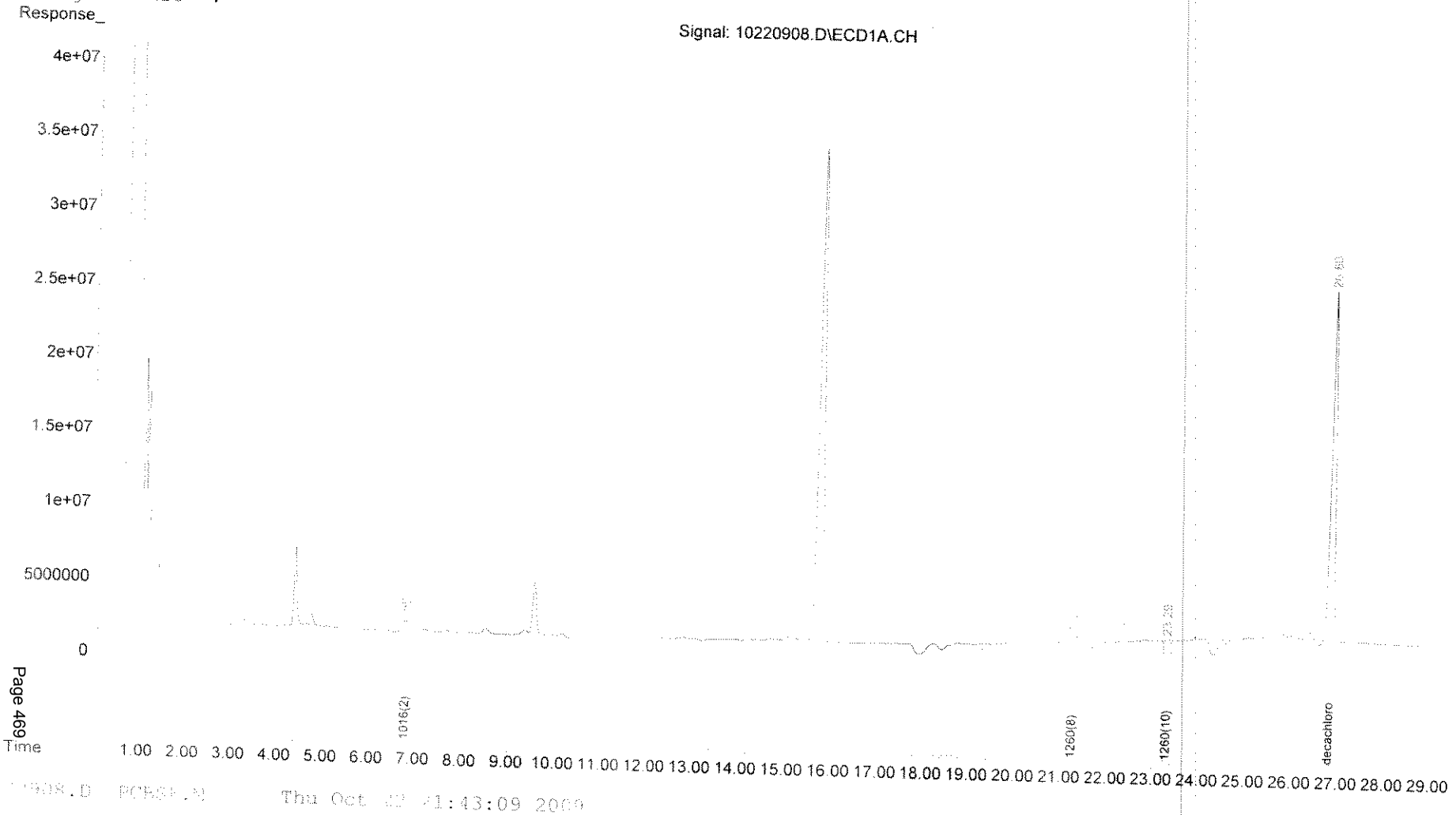
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220908.D Vial: 8
Acq On : 22 Oct 2009 9:13 pm Operator: K.B.
Sample : met bl x0.1 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 21:43 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220909.D Vial: 9
Acq On : 22 Oct 2009 9:46 pm Operator: K.B.
Sample : 0.4 1016 lcs nc x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 22:16:25 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1906039233	67.929
Target Compounds			
2) L1 1016(1)	5.27	84513912	0.537 ppb
3) L1 1016(2)	6.69	222281214	0.586 ppb
4) L1 1016(3)	8.09	466957192	0.621 ppb
5) L1 1016(4)	8.75	172996232	0.740 ppb
6) L1 1016(5)	10.91	181053208	0.672 ppb
Sum 1016(1)		1127.8E6	3.154 ppb
Average 1016(1)			0.631 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	21.12	18558464	0.006 ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	23.18	169729769	0.394 ppb
Sum 1260(6)		188.3E6	0.400 ppb
Average 1260(6)			0.200 ppb

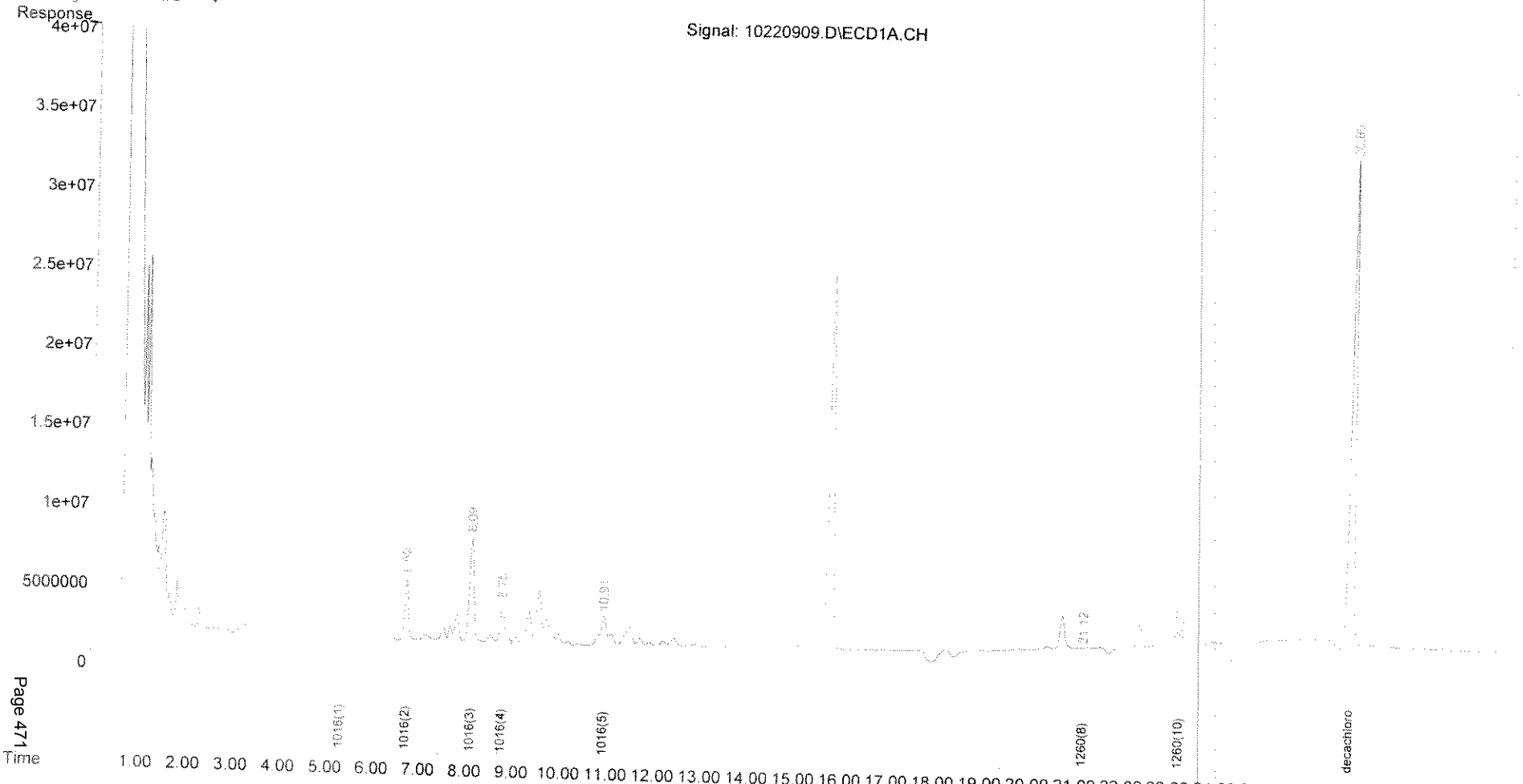
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220909.D Vial: 9
Acq On : 22 Oct 2009 9:46 pm Operator: K.B.
Sample : 0.4 1016 lcs nc x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 22:16 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220909.D PCBSF.M Thu Oct 22 22:16:27 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220910.D Vial: 10
Acq On : 22 Oct 2009 10:19 pm Operator: K.B.
Sample : 1016 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 22:49:36 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	154883313	1.024 ppb
3) L1 1016(2)	6.69	355220090	0.958 ppb
4) L1 1016(3)	8.08	700892227	0.941 ppb
5) L1 1016(4)	8.75	252735872	1.106 ppb
6) L1 1016(5)	10.91	267546443	1.015 ppb
Sum 1016(1)		1731.3E6	5.044 ppb
Average 1016(1)			1.009 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	0.00	0	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	0.00	0	N.D. ppb
Sum 1260(6)		0	N.D. ppb
Average 1260(6)			0.000 ppb

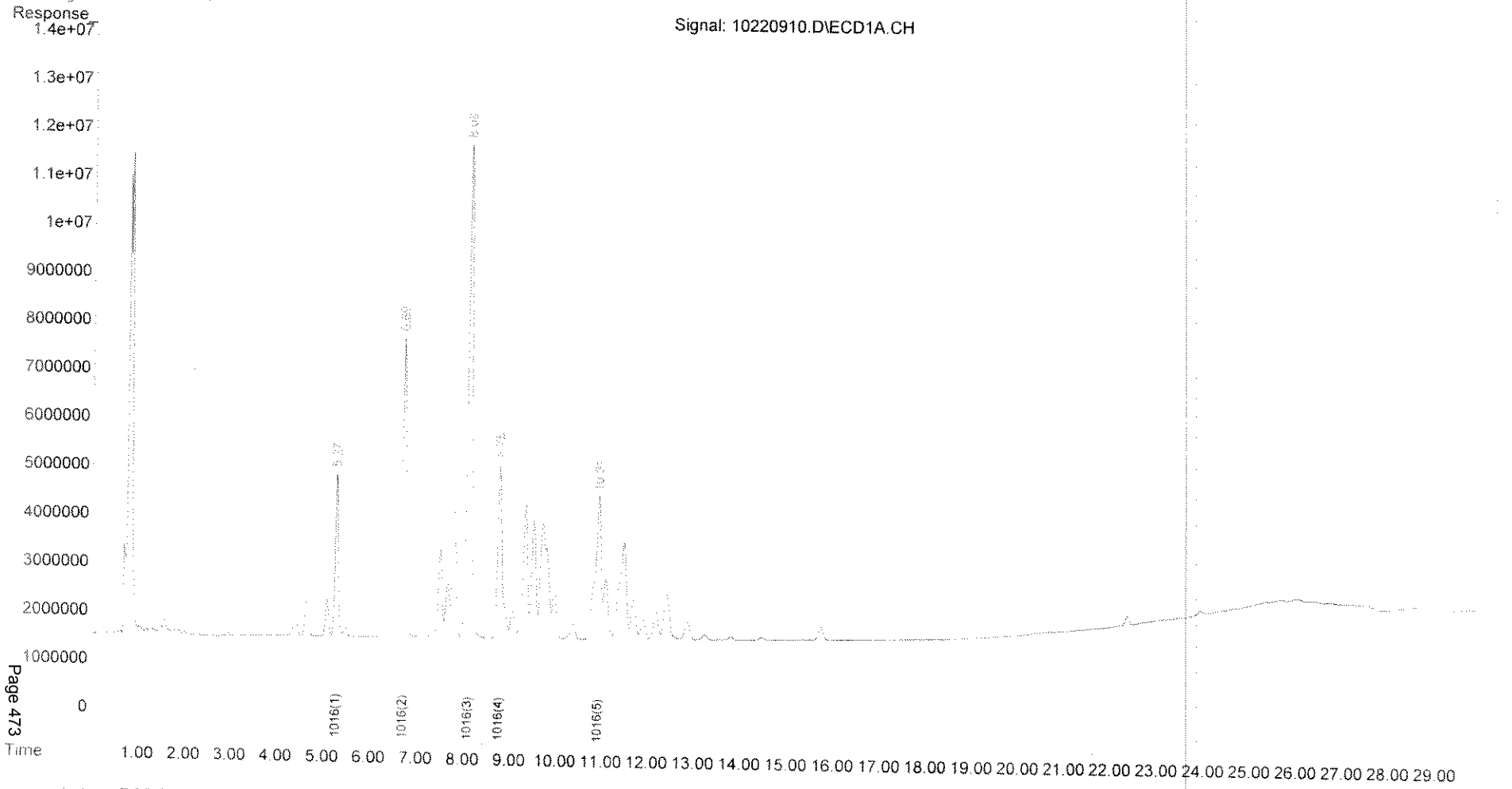
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220910.D Vial: 10
Acq On : 22 Oct 2009 10:19 pm Operator: K.B.
Sample : 1016 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 22:49 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



PCBSF.M Thu Oct 22 22:49:38 2009 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220911.D Vial: 11
Acq On : 22 Oct 2009 10:52 pm Operator: K.B.
Sample : 1260 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 23:22:51 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

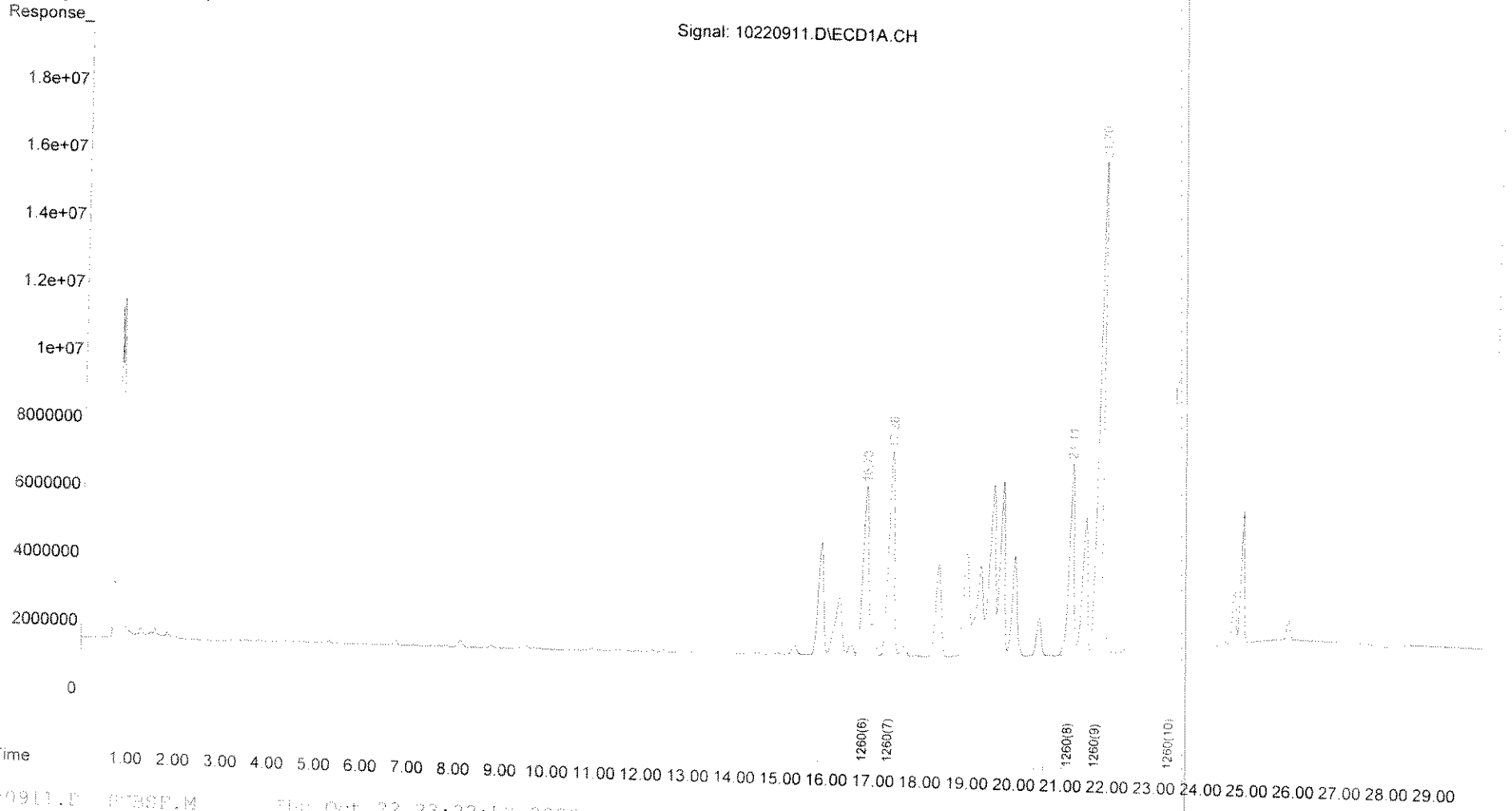
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	0.00	0	N.D. ppb
3) L1 1016(2)	6.69	7140774	N.D. ppb
4) L1 1016(3)	8.08	12916783	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		0	N.D. ppb
Average 1016(1)			0.000 ppb
7) L2 1260(6)	16.73	423902051	1.003 ppb
8) L2 1260(7)	17.27	498358792	0.979 ppb
9) L2 1260(8)	21.11	401363045	1.062 ppb
10) L2 1260(9)	21.70	922992342	1.118 ppb
11) L2 1260(10)	23.27	442235334	1.077 ppb
Sum 1260(6)		2688.9E6	5.240 ppb
Average 1260(6)			1.048 ppb

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220911.D Vial: 11
Acq On : 22 Oct 2009 10:52 pm Operator: K.B.
Sample : 1260 ref Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 23:22 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220911.D PCBSF.M Thu Oct 22 23:22:52 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220912.D Vial: 12
Acq On : 22 Oct 2009 11:25 pm Operator: K.B.
Sample : 0.4 1016 spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 23:56:04 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1614076799	57.524
Target Compounds			
2) L1 1016(1)	5.27	80037213	0.506 ppb
3) L1 1016(2)	6.69	207147640	0.543 ppb
4) L1 1016(3)	8.08	441348416	0.586 ppb
5) L1 1016(4)	8.75	165099641	0.703 ppb
6) L1 1016(5)	10.91	168888936	0.623 ppb
Sum 1016(1)		1062.5E6	2.961 ppb
Average 1016(1)			0.592 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	21.22	4857679	N.D. ppb
10) L2 1260(9)	21.89f	42251644	0.034 ppb
11) L2 1260(10)	23.30	107975911	0.239 ppb
Sum 1260(6)		150.2E6	0.241 ppb
Average 1260(6)			0.121 ppb

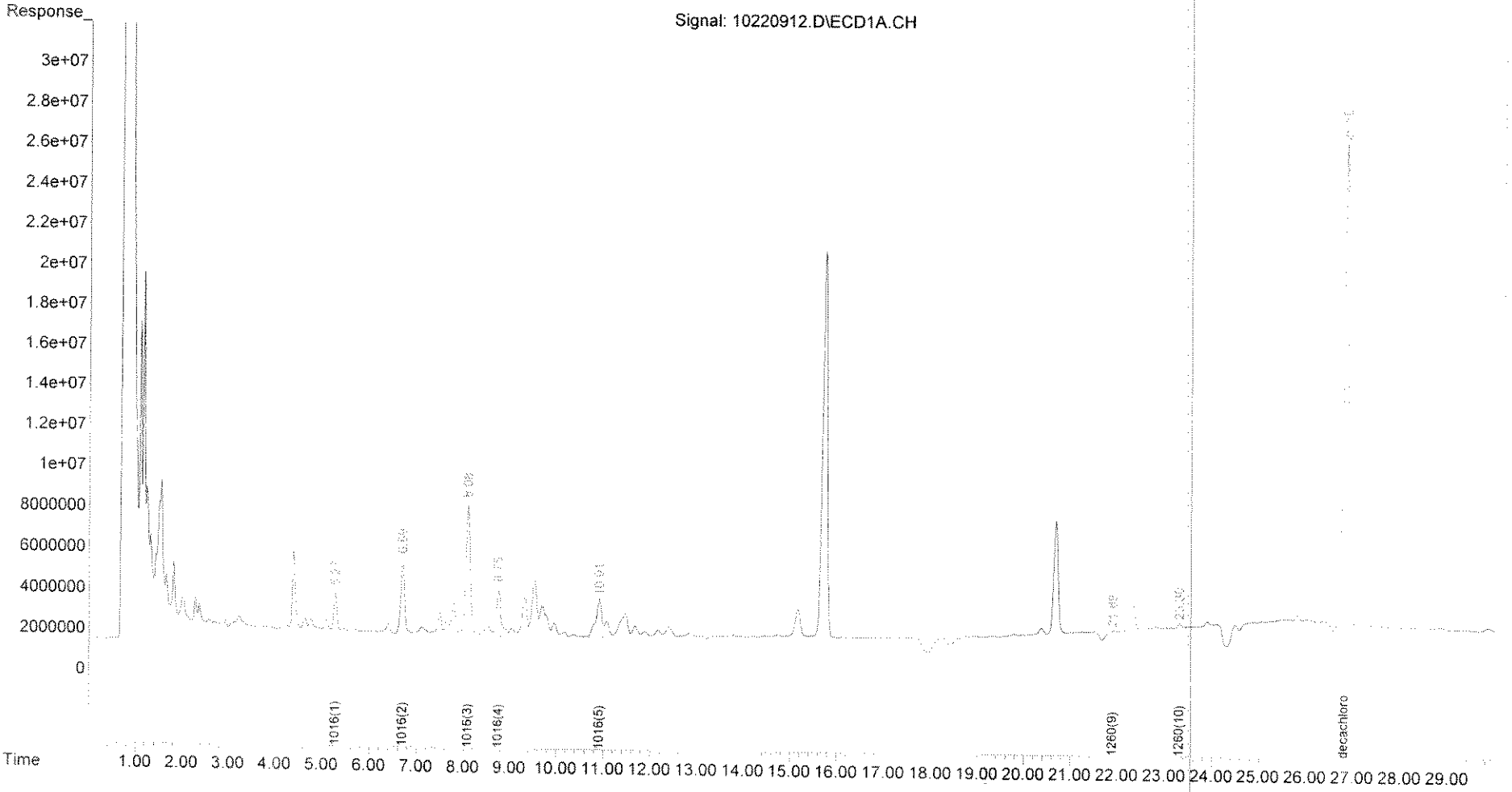
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220912.D Vial: 12
Acq On : 22 Oct 2009 11:25 pm Operator: K.B.
Sample : 0.4 1016 spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 22 23:56 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220913.D Vial: 13
Acq On : 22 Oct 2009 11:59 pm Operator: K.B.
Sample : 0.4 1016 dp spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 00:29:18 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.79	1852073462	66.006	
Target Compounds				
2) L1 1016(1)	5.27	85757290	0.545	ppb
3) L1 1016(2)	6.69	221428040	0.583	ppb
4) L1 1016(3)	8.09	462877147	0.615	ppb
5) L1 1016(4)	8.75	169826380	0.725	ppb
6) L1 1016(5)	10.91	171652646	0.634	ppb
Sum 1016(1)		1111.5E6	3.103	ppb
Average 1016(1)			0.621	ppb
7) L2 1260(6)	0.00	0	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	21.10	2952459	N.D.	ppb
10) L2 1260(9)	21.76	12589047	N.D.	ppb
11) L2 1260(10)	23.30	84709098	0.180	ppb
Sum 1260(6)		84709098	0.141	ppb
Average 1260(6)			0.141	ppb

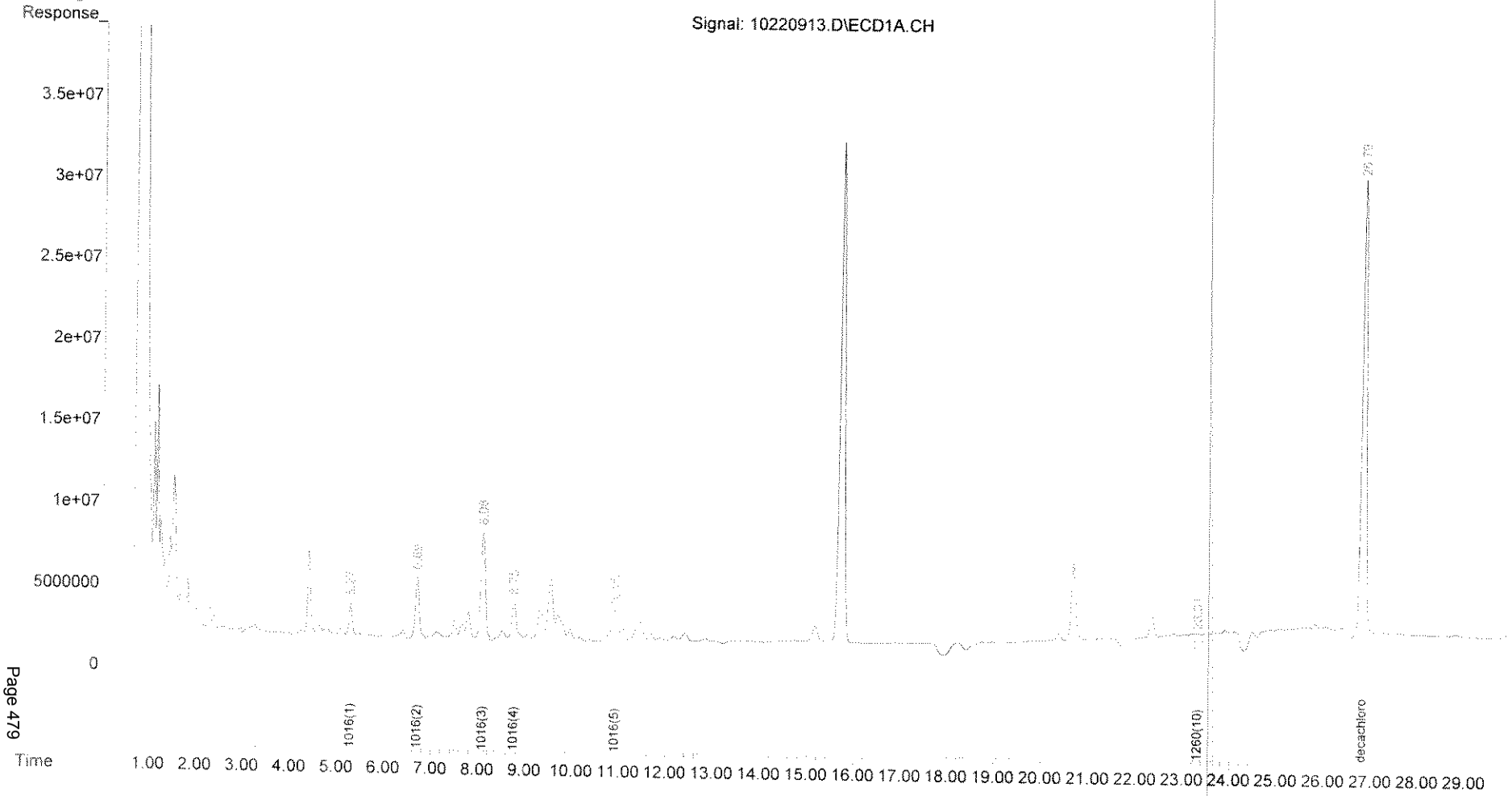
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220913.D Vial: 13
Acq On : 22 Oct 2009 11:59 pm Operator: K.B.
Sample : 0.4 1016 dp spike 6% x0.1 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 0:29 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220913.D PCBSF.M Fri Oct 23 00:29:19 2009 Page

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220914.D Vial: 14
Acq On : 23 Oct 2009 12:32 am Operator: K.B.
Sample : 1221 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 01:02:31 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	42670774	0.247 ppb
3) L1 1016(2)	6.63	12601558	N.D. ppb
4) L1 1016(3)	8.08	9340422	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		42670774	0.241 ppb
Average 1016(1)			0.241 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	0.00	0	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	0.00	0	N.D. ppb
Sum 1260(6)		0	N.D. ppb
Average 1260(6)			0.000 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

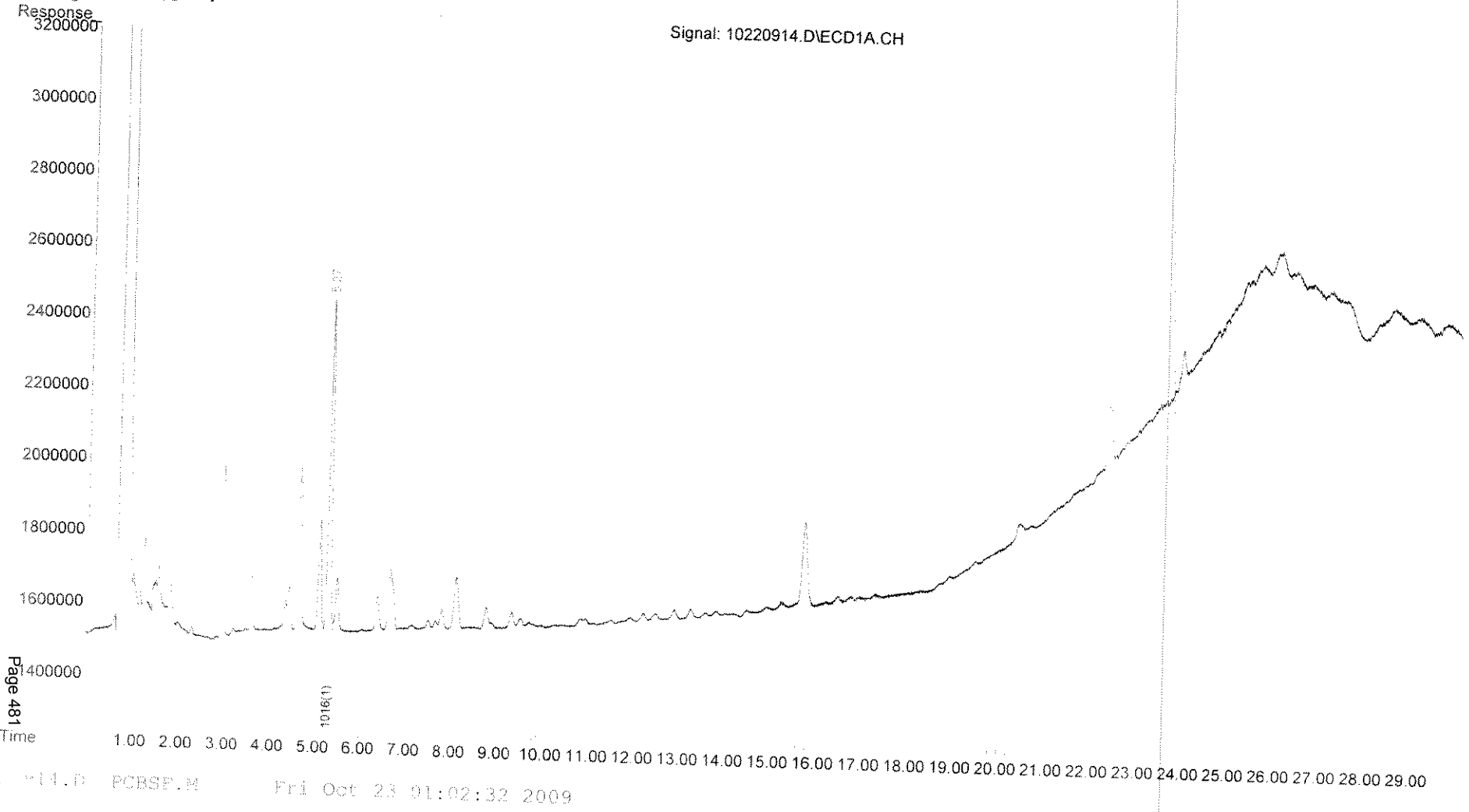
Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220914.D
Acq On : 23 Oct 2009 12:32 am
Sample : 1221 1.0
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 1:02 2009 Quant Results File: PCBSF.RES

Vial: 14
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220915.D Vial: 15
Acq On : 23 Oct 2009 1:05 am Operator: K.B.
Sample : 1254 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 01:35:52 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	0.00	0	N.D.	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	10.91	19842525	0.032	ppb
Sum 1016(1)		19842525	0.032	ppb
Average 1016(1)			0.032	ppb
7) L2 1260(6)	16.73	48194965	0.050	ppb
8) L2 1260(7)	17.27	55331816	0.070	ppb
9) L2 1260(8)	21.21	33600968	0.048	ppb
10) L2 1260(9)	21.69	23444748	0.011	ppb
11) L2 1260(10)	23.27	12258484	N.D.	ppb
Sum 1260(6)		160.6E6	0.177	ppb
Average 1260(6)			0.044	ppb

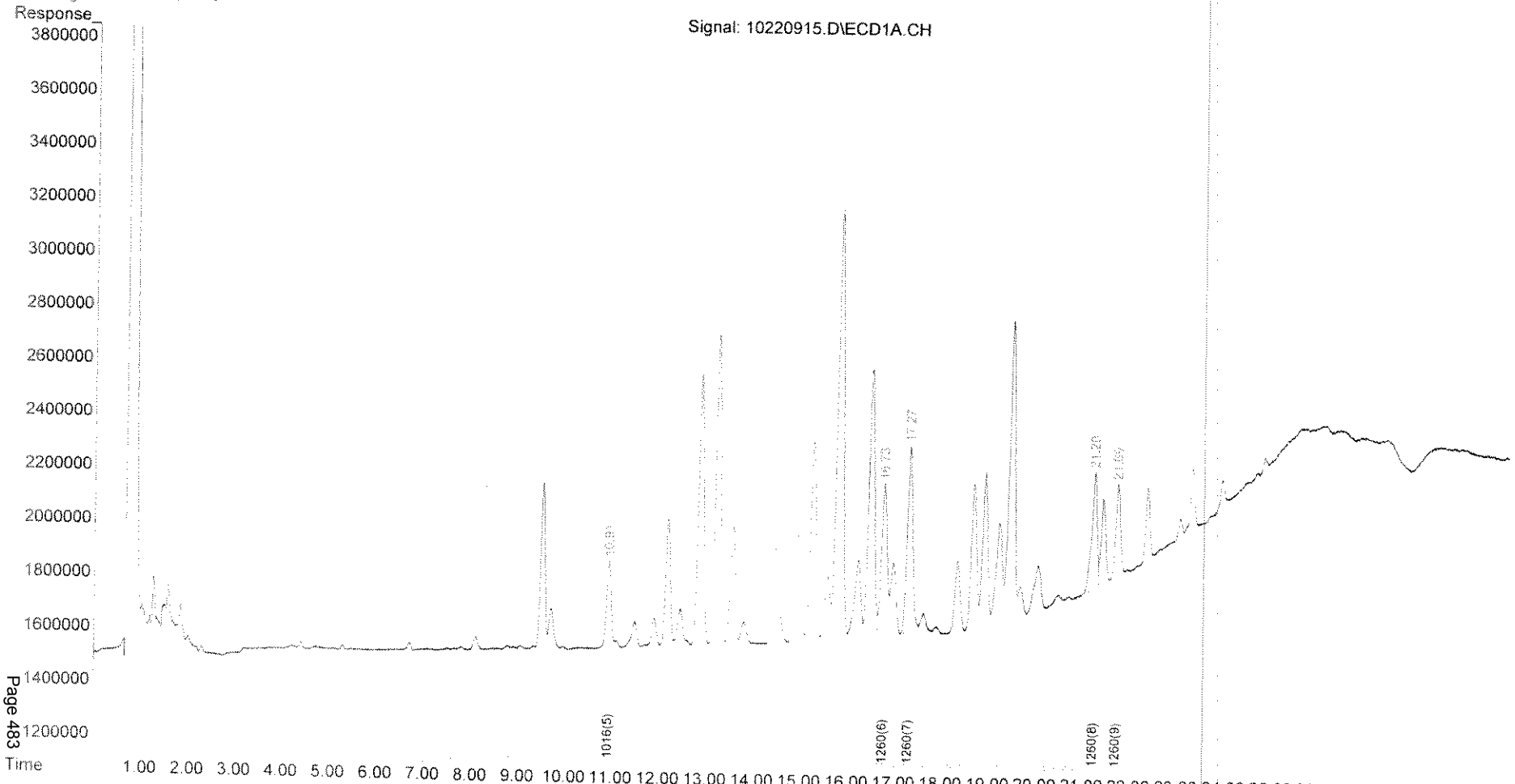
(f)=RT Delta > 1/2 Window (m)=manual int.
10220915.D PCBSF.M Fri Oct 23 01:35:53 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220915.D Vial: 15
Acq On : 23 Oct 2009 1:05 am Operator: K.B.
Sample : 1254 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 1:35 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 02:09:07 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	1363882808	48.607
Target Compounds			
2) L1 1016(1)	5.23	8570780	0.011 ppb
3) L1 1016(2)	0.00	0	N.D. ppb
4) L1 1016(3)	0.00	0	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		8570780	0.011 ppb
Average 1016(1)			0.011 ppb
7) L2 1260(6)	16.77	10375382	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	0.00	0	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	23.28	31193592	0.046 ppb
Sum 1260(6)		31193592	N.D. ppb
Average 1260(6)			-0.000 ppb

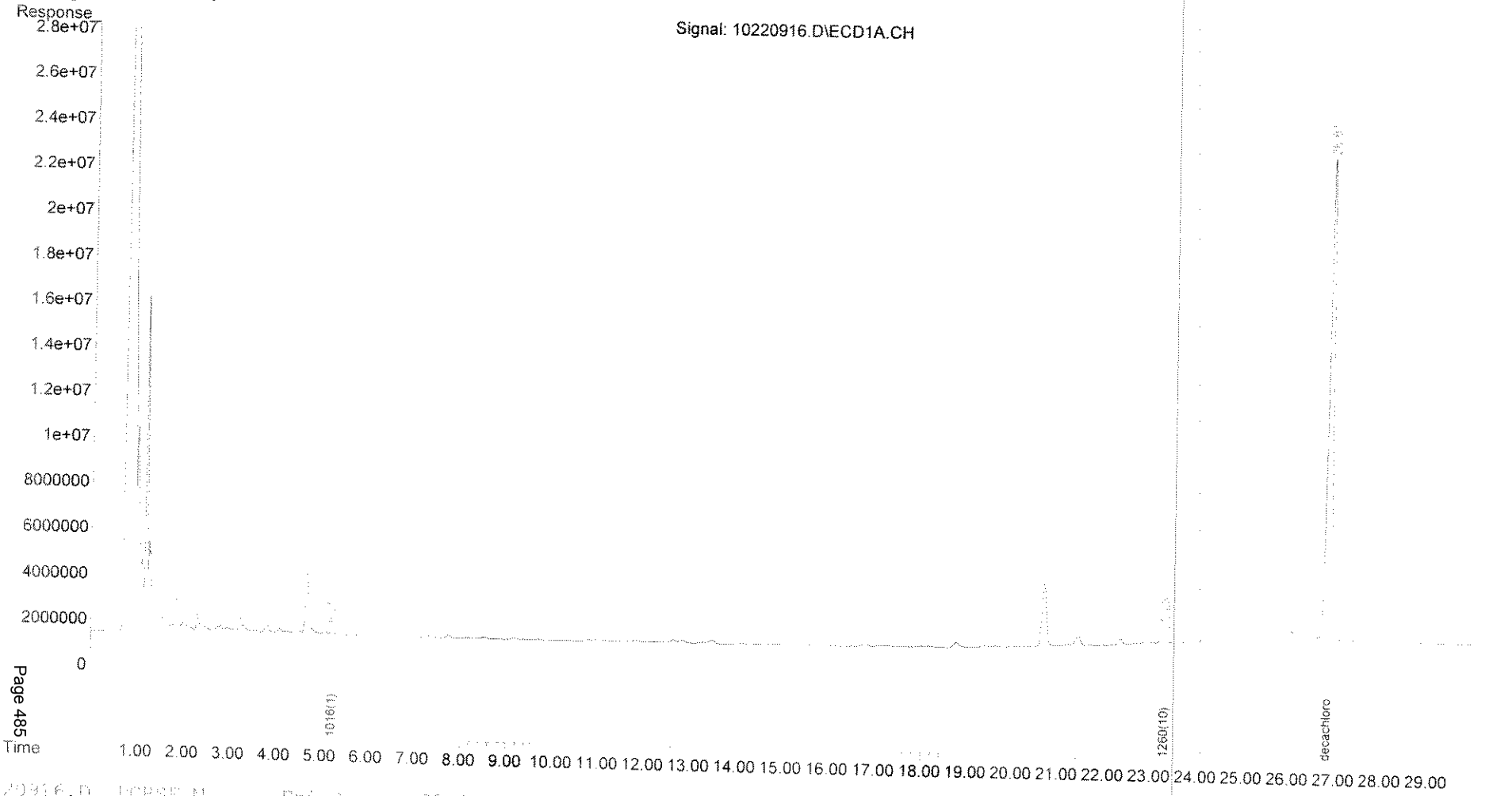
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220916.D Vial: 16
Acq On : 23 Oct 2009 1:39 am Operator: K.B.
Sample : 4399 6% x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 2:09 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



10220916.D PCBSF.M Fri Oct 23 02:09:08 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220917.D Vial: 17
Acq On : 23 Oct 2009 2:12 am Operator: K.B.
Sample : 1232 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 02:42:20 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	33025192	0.180 ppb
3) L1 1016(2)	6.69	39923050	0.075 ppb
4) L1 1016(3)	8.09	70574402	0.078 ppb
5) L1 1016(4)	8.75	25118696	0.059 ppb
6) L1 1016(5)	10.91	32117645	0.081 ppb
Sum 1016(1)		200.8E6	0.474 ppb
Average 1016(1)			0.095 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	0.00	0	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	0.00	0	N.D. ppb
Sum 1260(6)		0	N.D. ppb
Average 1260(6)			0.000 ppb

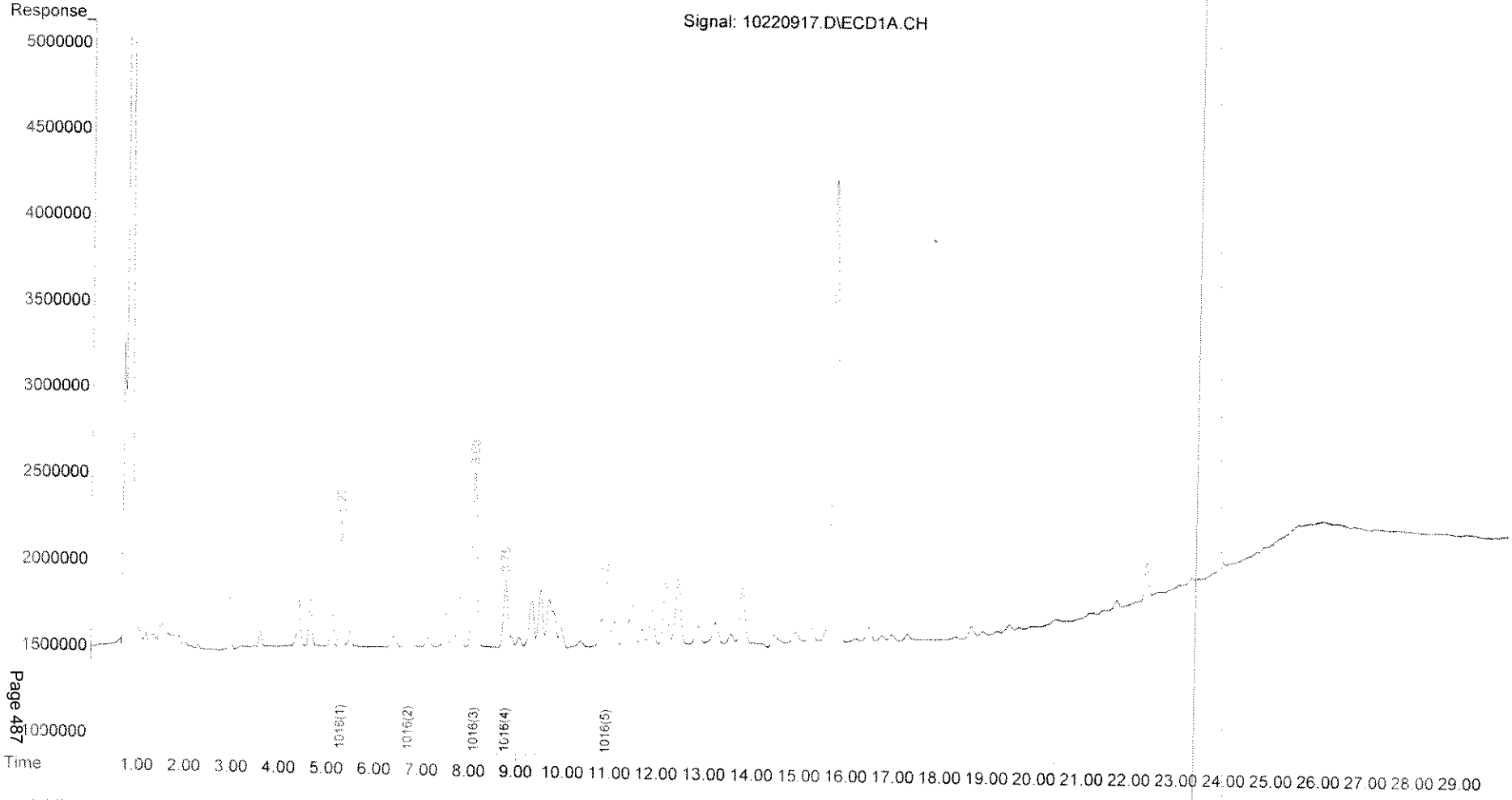
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220917.D Vial: 17
Acq On : 23 Oct 2009 2:12 am Operator: K.B.
Sample : 1232 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 2:42 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220918.D Vial: 4
Acq On : 23 Oct 2009 2:45 am Operator: K.B.
Sample : 1016/1260 3.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 03:15:33 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	97734785	0.628 ppb
3) L1 1016(2)	6.69	232664224	0.615 ppb
4) L1 1016(3)	8.09	459170680	0.610 ppb
5) L1 1016(4)	8.75	169537766	0.724 ppb
6) L1 1016(5)	10.91	170617363	0.630 ppb
Sum 1016(1)		1129.7E6	3.207 ppb
Average 1016(1)			0.641 ppb
7) L2 1260(6)	16.73	276774033	0.630 ppb
8) L2 1260(7)	17.27	324172601	0.621 ppb
9) L2 1260(8)	21.11	238622659	0.613 ppb
10) L2 1260(9)	21.69	511477398	0.611 ppb
11) L2 1260(10)	23.27	301553773	0.724 ppb
Sum 1260(6)		1652.6E6	3.201 ppb
Average 1260(6)			0.640 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

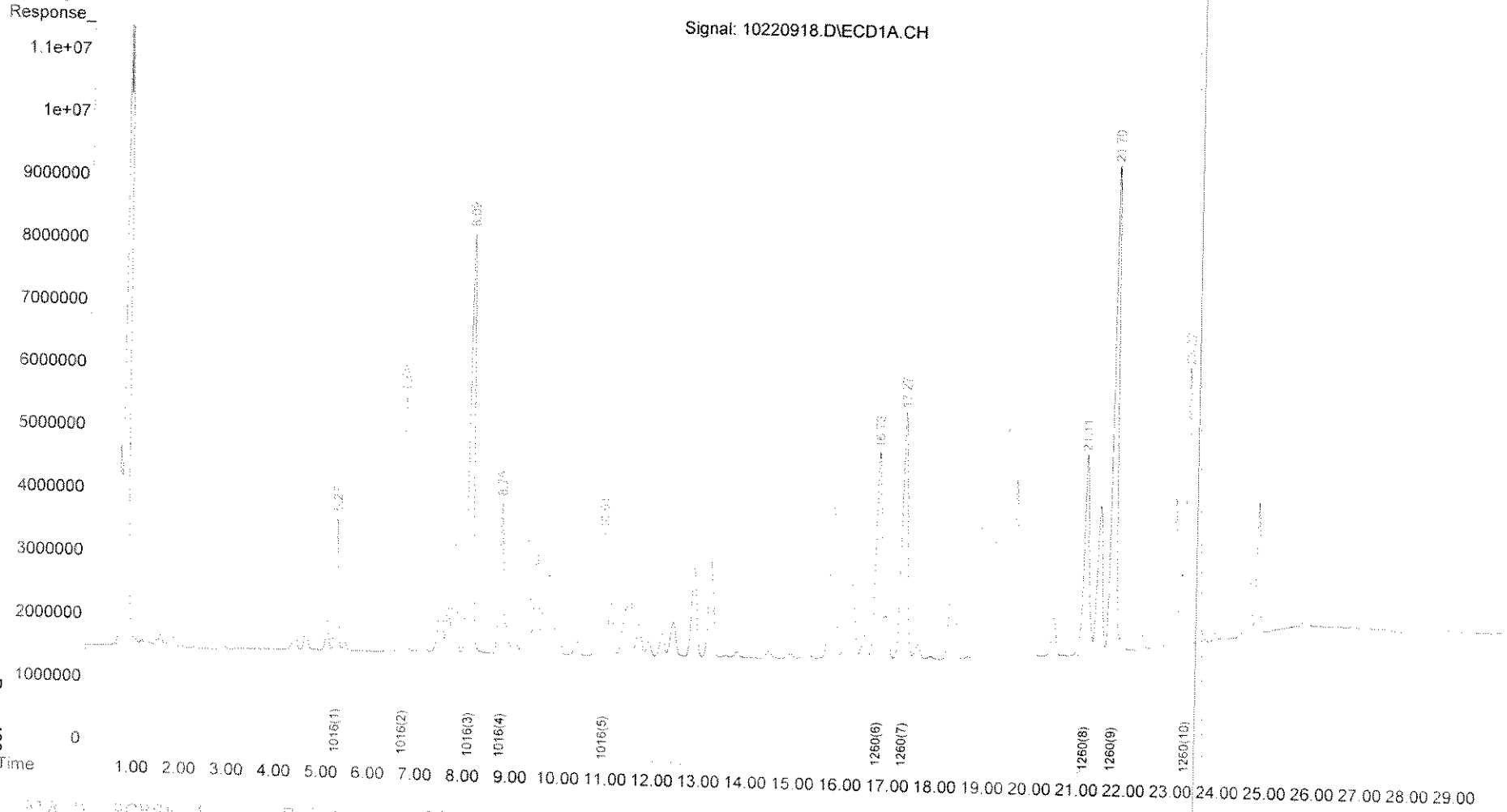
Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220918.D
Acq On : 23 Oct 2009 2:45 am
Sample : 1016/1260 3.0
Misc :
IntFile : EVENTS3.E
Quant Time: Oct 23 3:15 2009 Quant Results File: PCBSF.RES

Vial: 4
Operator: K.B.
Inst : gc7
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



ATA.D PCBSF.M Fri Oct 23 03:15:34 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220919.D Vial: 18
Acq On : 23 Oct 2009 3:18 am Operator: K.B.
Sample : 4349 nc x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 03:48:52 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.80	2067786220	73.694
Target Compounds			
2) L1 1016(1)	5.15f	7104286	0.001 ppb
3) L1 1016(2)	6.73	102390850	0.250 ppb
4) L1 1016(3)	7.94f	28995245	0.022 ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		138.5E6	0.272 ppb
Average 1016(1)			0.091 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	21.22	3807504	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	23.19	65469878	0.132 ppb
Sum 1260(6)		65469878	0.098 ppb
Average 1260(6)			0.098 ppb

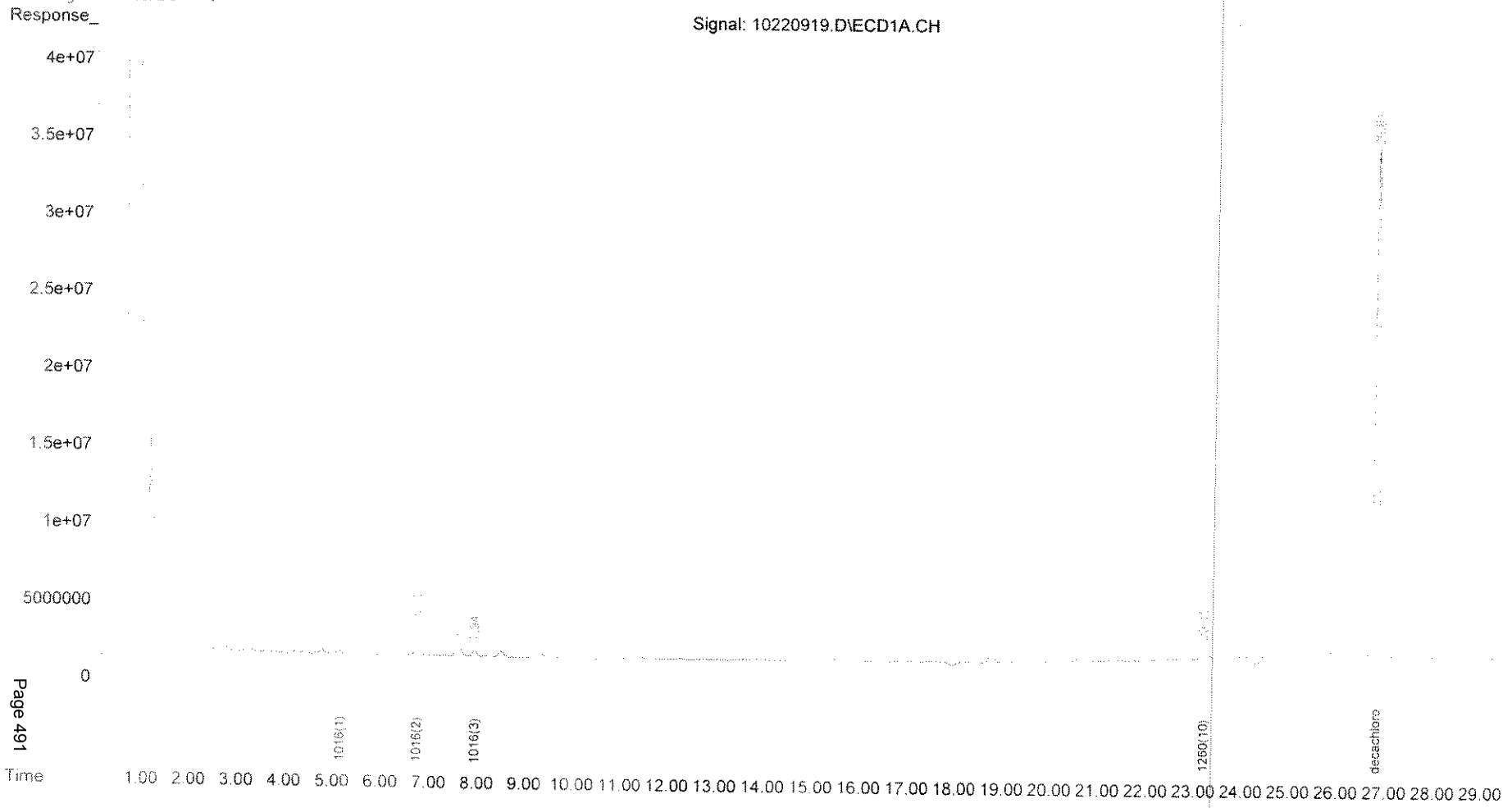
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220919.D Vial: 18
Acq On : 23 Oct 2009 3:18 am Operator: K.B.
Sample : 4349 nc x0.05 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 3:48 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Pri 03:48:54

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220920.D Vial: 19
Acq On : 23 Oct 2009 3:51 am Operator: K.B.
Sample : met bl x40 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 04:22:01 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.80	2652648395	94.538	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	0.00	0	N.D.	ppb
Sum 1016(1)		0	N.D.	ppb
Average 1016(1)			0.000	ppb
7) L2 1260(6)	0.00	0	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	0.00	0	N.D.	ppb
Sum 1260(6)		0	N.D.	ppb
Average 1260(6)			0.000	ppb

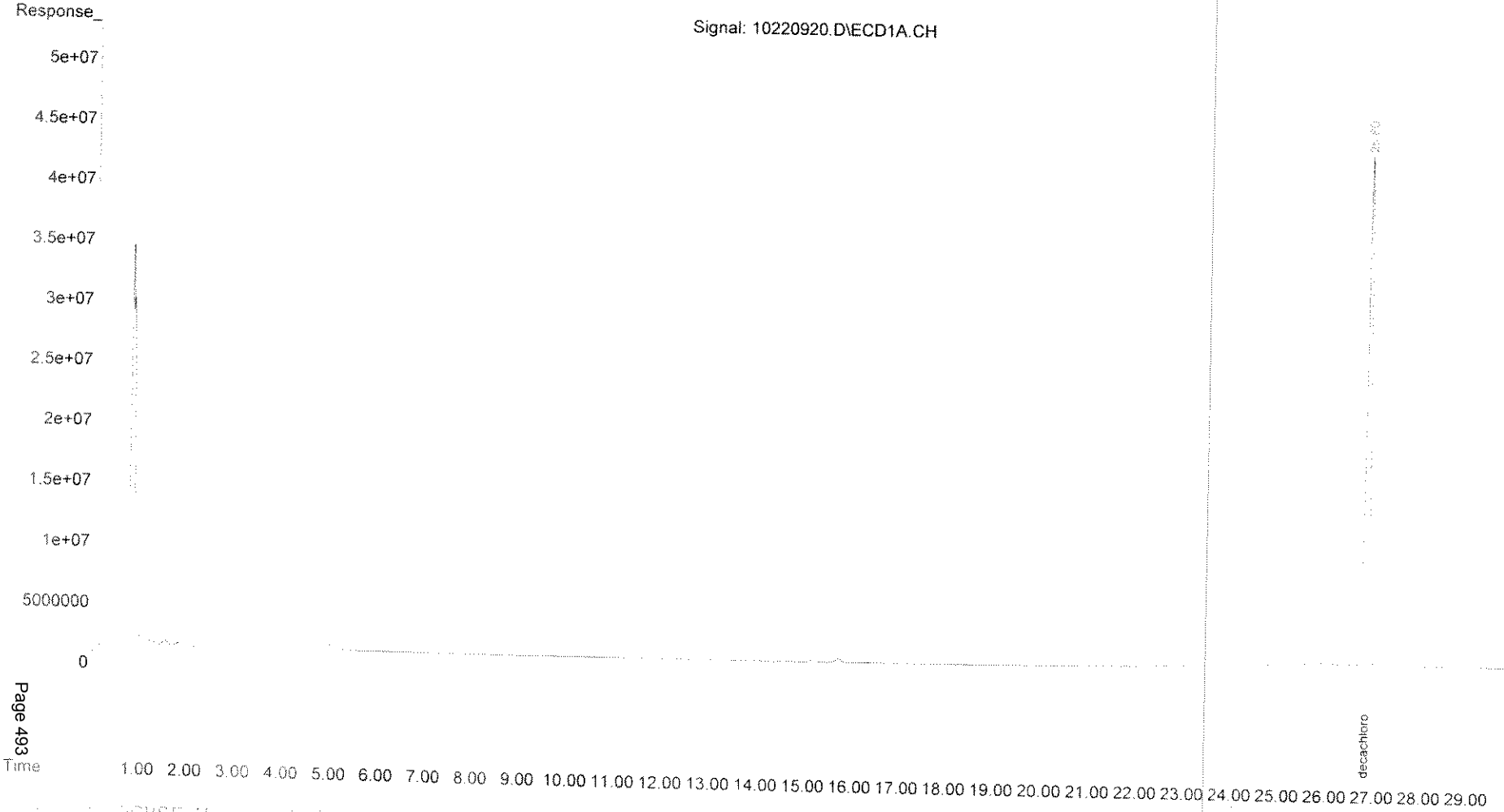
(f)=RT Delta > 1/2 Window (m)=manual int.
10220920.D PCBSF.M Fri Oct 23 04:22:01 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220920.D Vial: 19
Acq On : 23 Oct 2009 3:51 am Operator: K.B.
Sample : met bl x40 10/21/09 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 4:22 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220921.D Vial: 20
Acq On : 23 Oct 2009 4:25 am Operator: K.B.
Sample : 4.0 1260 lcs nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 04:55:15 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.79	2627444460	93.640
Target Compounds			
2) L1 1016(1)	0.00	0	N.D. ppb
3) L1 1016(2)	0.00	0	N.D. ppb
4) L1 1016(3)	0.00	0	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		0	N.D. ppb
Average 1016(1)			0.000 ppb
7) L2 1260(6)	16.73	324643392	0.751 ppb
8) L2 1260(7)	17.27	375269297	0.726 ppb
9) L2 1260(8)	21.11	280170614	0.728 ppb
10) L2 1260(9)	21.69	600984625	0.722 ppb
11) L2 1260(10)	23.27	357359314	0.864 ppb
Sum 1260(6)		1938.4E6	3.792 ppb
Average 1260(6)			0.758 ppb

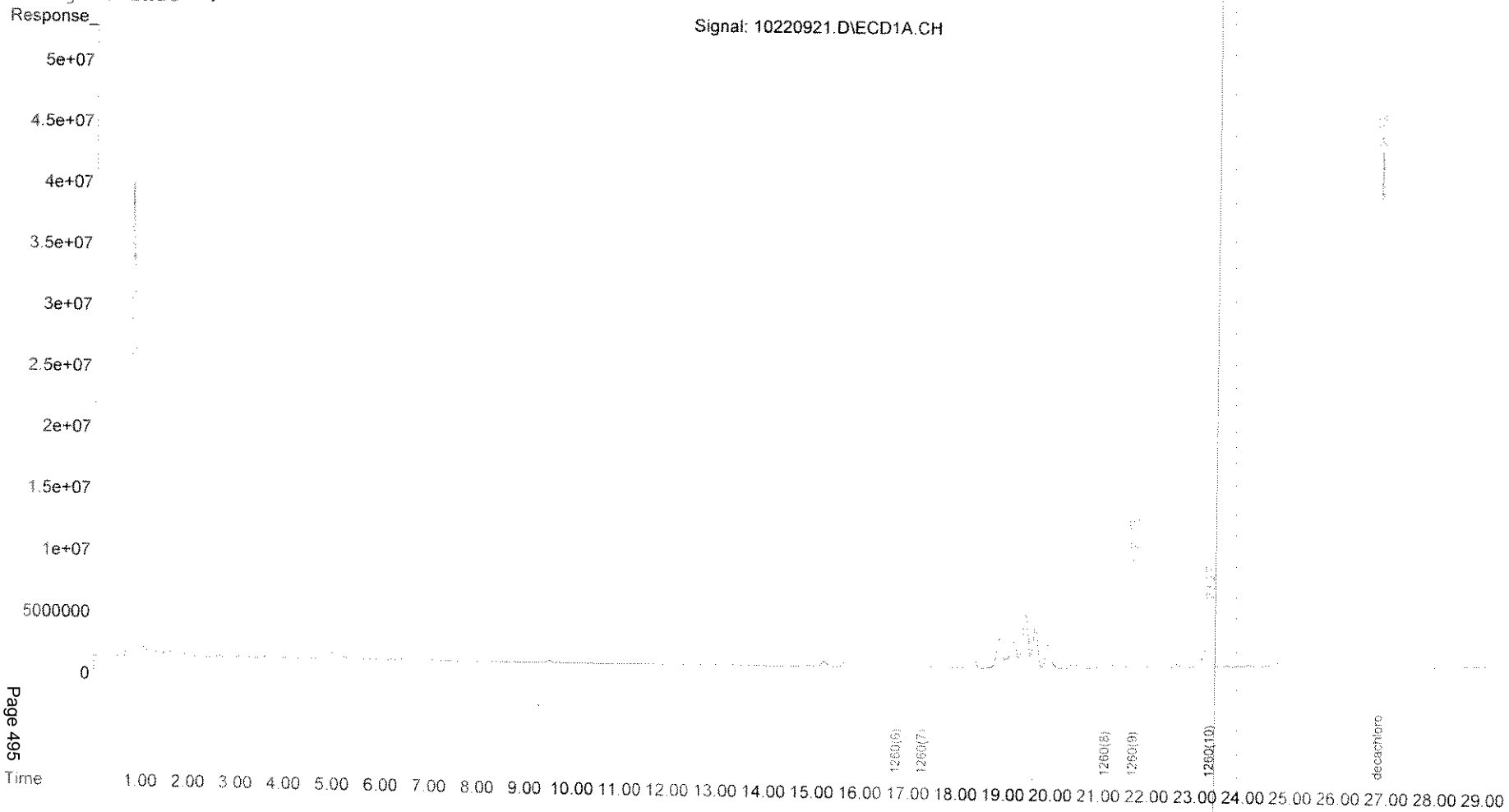
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220921.D Vial: 20
Acq On : 23 Oct 2009 4:25 am Operator: K.B.
Sample : 4.0 1260 lcs nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 4:55 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220922.D Vial: 21
Acq On : 23 Oct 2009 4:58 am Operator: K.B.
Sample : 4359 nc x1k Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 05:28:30 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	26.80	2439046469	86.925	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	0.00	0	N.D.	ppb
4) L1 1016(3)	0.00	0	N.D.	ppb
5) L1 1016(4)	0.00	0	N.D.	ppb
6) L1 1016(5)	0.00	0	N.D.	ppb
Sum 1016(1)		0	N.D.	ppb
Average 1016(1)			0.000	ppb
7) L2 1260(6)	0.00	0	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	0.00	0	N.D.	ppb
Sum 1260(6)		0	N.D.	ppb
Average 1260(6)			0.000	ppb

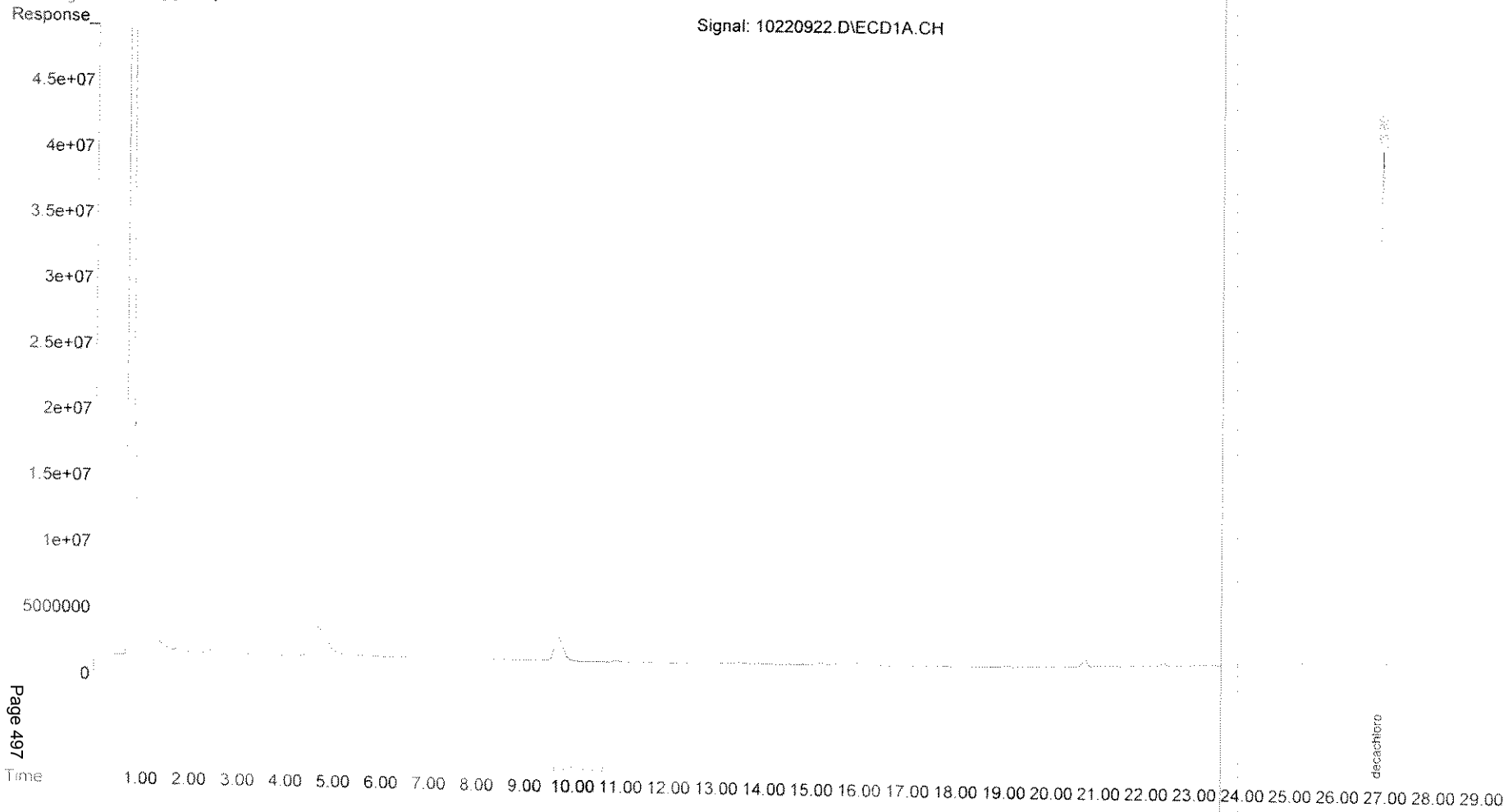
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220922.D Vial: 21
Acq On : 23 Oct 2009 4:58 am Operator: K.B.
Sample : 4359 nc x1k Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 5:28 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



.D PCBSF.M Fri Oct [illegible] 18:31 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220923.D Vial: 22
Acq On : 23 Oct 2009 5:31 am Operator: K.B.
Sample : 4.0 1260 spike nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 06:01:50 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.79	2640519792	94.106
Target Compounds			
2) L1 1016(1)	0.00	0	N.D. ppb
3) L1 1016(2)	6.68	13527078	0.002 ppb
4) L1 1016(3)	0.00	0	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		13527078	0.002 ppb
Average 1016(1)			0.002 ppb
7) L2 1260(6)	16.73	352966362	0.823 ppb
8) L2 1260(7)	17.26	413063633	0.804 ppb
9) L2 1260(8)	21.11	306219033	0.800 ppb
10) L2 1260(9)	21.69	657290333	0.791 ppb
11) L2 1260(10)	23.26	389962585	0.946 ppb
Sum 1260(6)		2119.5E6	4.164 ppb
Average 1260(6)			0.833 ppb

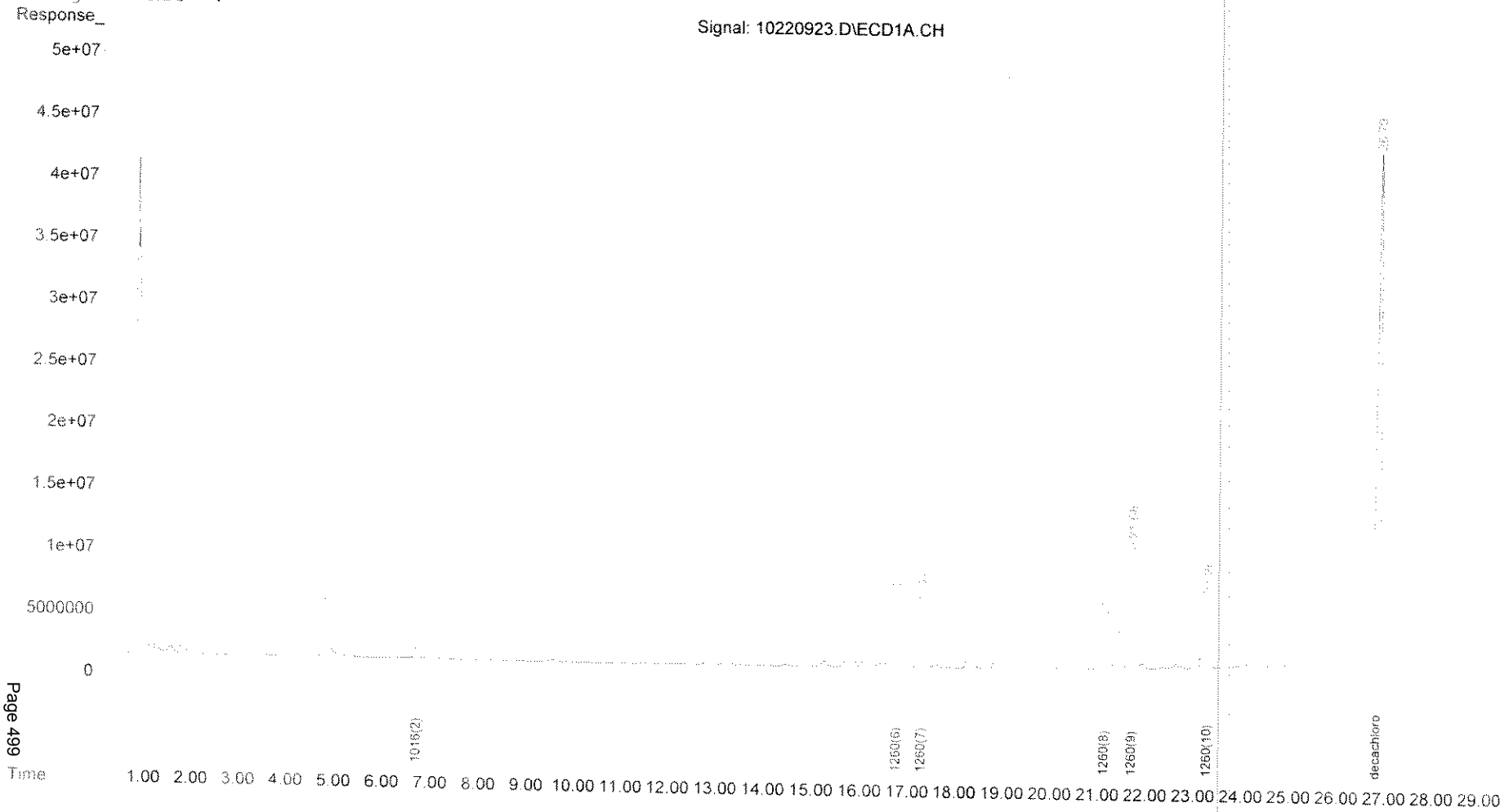
(f)=RT Delta > 1/2 Window (m)=manual int.
10220923.D PCBSF.M Fri Oct 23 06:01:51 2009 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220923.D Vial: 22
Acq On : 23 Oct 2009 5:31 am Operator: K.B.
Sample : 4.0 1260 spike nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 6:01 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



PCBSF.M Fri Oct 23 06:01:51 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220924.D Vial: 23
Acq On : 23 Oct 2009 6:04 am Operator: K.B.
Sample : 4.0 1260 dp spike nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 06:34:58 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	26.79	2559112744	91.204
Target Compounds			
2) L1 1016(1)	5.23	17604696	0.073 ppb
3) L1 1016(2)	6.67	68913192	0.156 ppb
4) L1 1016(3)	0.00	0	N.D. ppb
5) L1 1016(4)	0.00	0	N.D. ppb
6) L1 1016(5)	0.00	0	N.D. ppb
Sum 1016(1)		86517888	0.230 ppb
Average 1016(1)			0.115 ppb
7) L2 1260(6)	16.73	353634594	0.825 ppb
8) L2 1260(7)	17.27	408980877	0.796 ppb
9) L2 1260(8)	21.11	304566584	0.795 ppb
10) L2 1260(9)	21.69	655422703	0.788 ppb
11) L2 1260(10)	23.26	388796031	0.943 ppb
Sum 1260(6)		2111.4E6	4.148 ppb
Average 1260(6)			0.830 ppb

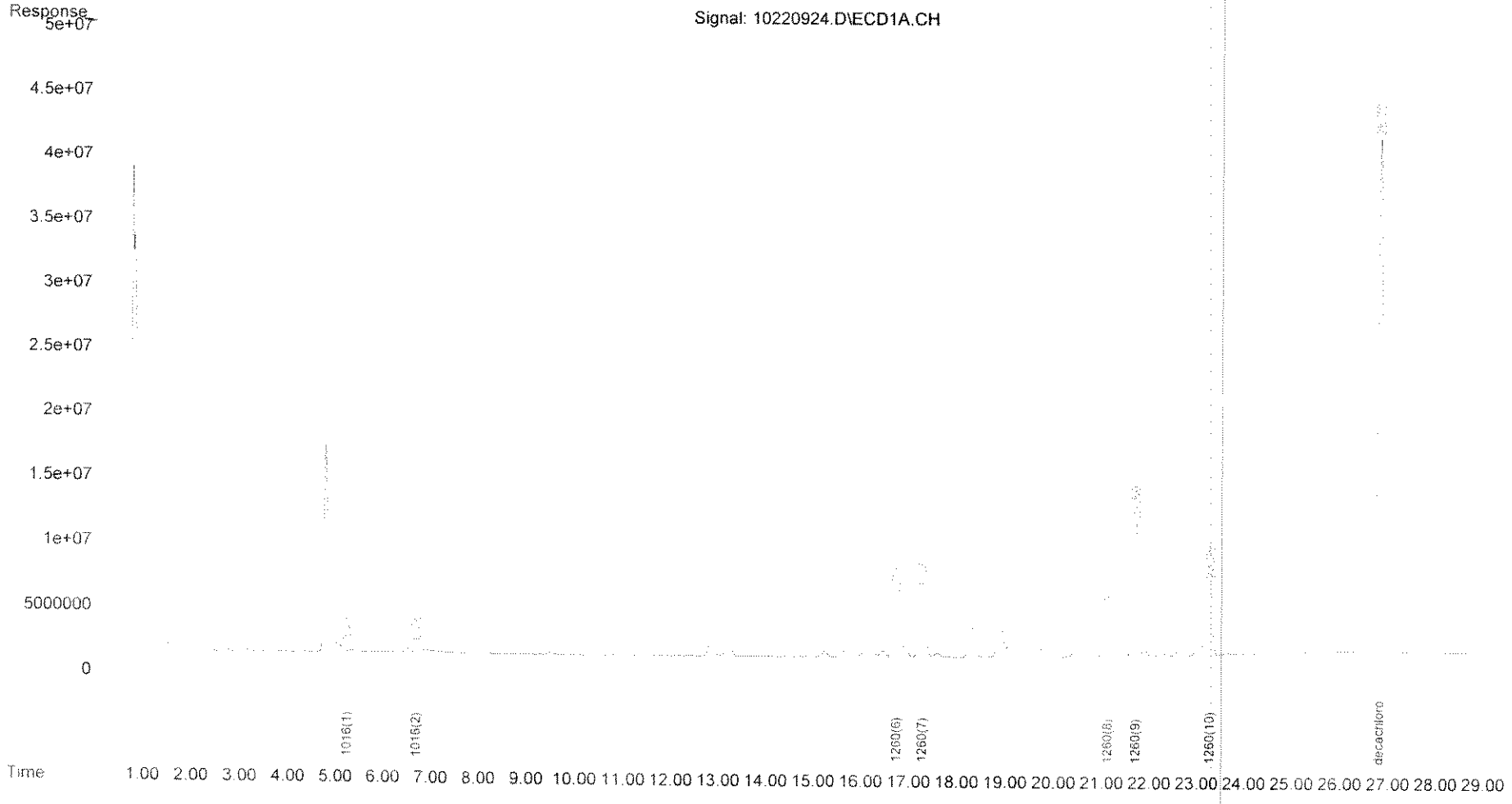
(f)=RT Delta > 1/2 Window (m)=manual int.
10220924.D PCBSF.M Fri Oct 23 06:34:59 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220924.D Vial: 23
Acq On : 23 Oct 2009 6:04 am Operator: K.B.
Sample : 4.0 1260 dp spike nc x40 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 6:34 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



PCBSF.M Fri Oct 23 06:35:00 2009 Page

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220925.D Vial: 24
Acq On : 23 Oct 2009 6:38 am Operator: K.B.
Sample : 1242 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 07:08:12 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S decachlorobiphenyl	0.00	0	N.D.
Target Compounds			
2) L1 1016(1)	5.27	29082684	0.153 ppb
3) L1 1016(2)	6.69	65670089	0.147 ppb
4) L1 1016(3)	8.07	123892344	0.151 ppb
5) L1 1016(4)	8.74	44519474	0.148 ppb
6) L1 1016(5)	10.89	54946905	0.171 ppb
Sum 1016(1)		318.1E6	0.771 ppb
Average 1016(1)			0.154 ppb
7) L2 1260(6)	0.00	0	N.D. ppb
8) L2 1260(7)	0.00	0	N.D. ppb
9) L2 1260(8)	0.00	0	N.D. ppb
10) L2 1260(9)	0.00	0	N.D. ppb
11) L2 1260(10)	0.00	0	N.D. ppb
Sum 1260(6)		0	N.D. ppb
Average 1260(6)			0.000 ppb

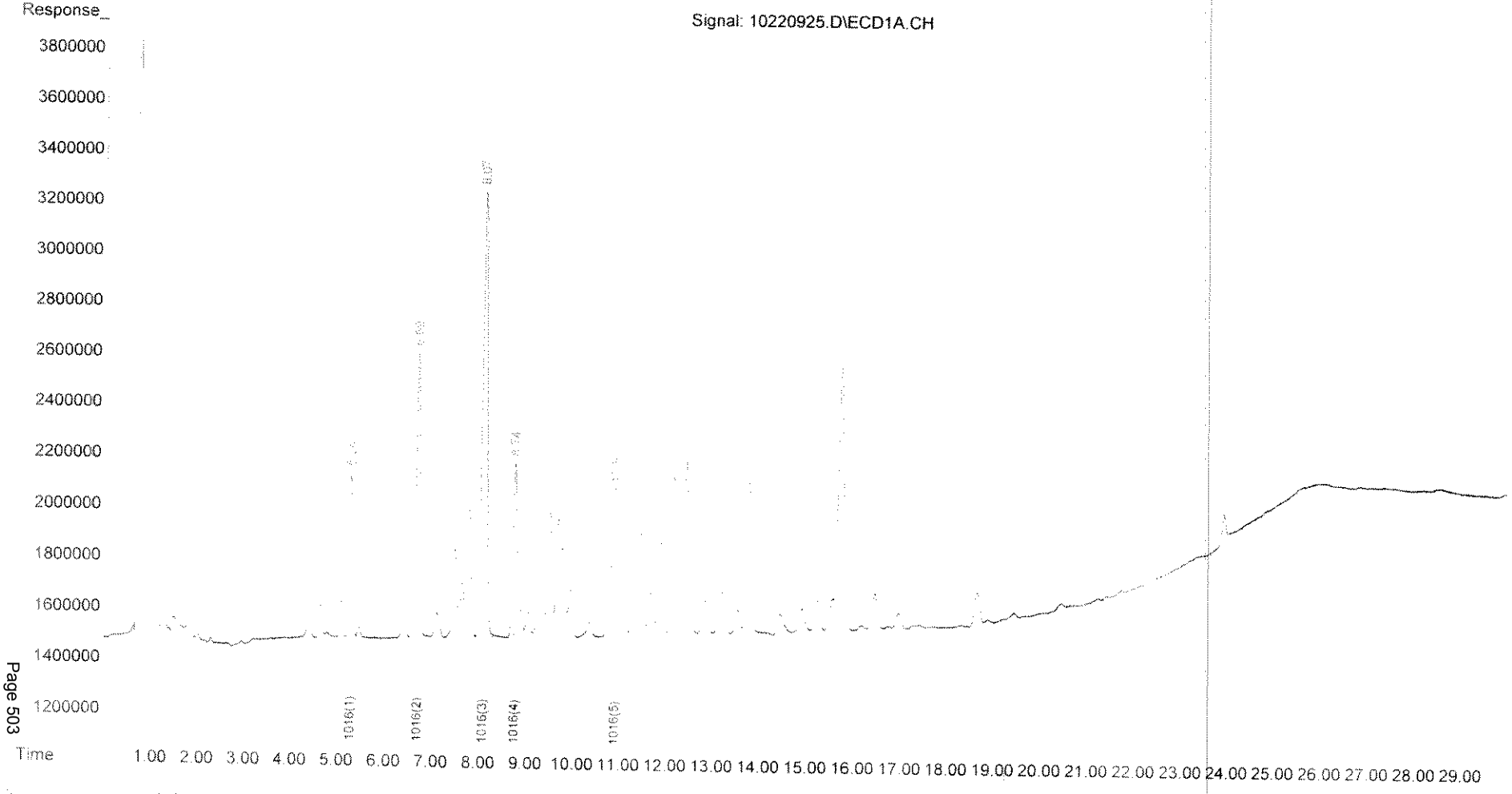
(f)=RT Delta > 1/2 Window (m)=manual int.
10220925.D PCBSF.M Fri Oct 23 07:08:12 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220925.D Vial: 24
Acq On : 23 Oct 2009 6:38 am Operator: K.B.
Sample : 1242 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 7:08 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



Fri Oct 23 07:04:15 2009

Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220926.D Vial: 25
Acq On : 23 Oct 2009 7:11 am Operator: K.B.
Sample : 1248 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 07:41:30 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Initial Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S decachlorobiphenyl	0.00	0	N.D.	
Target Compounds				
2) L1 1016(1)	0.00	0	N.D.	ppb
3) L1 1016(2)	6.69	30766846	0.050	ppb
4) L1 1016(3)	8.08	78982687	0.090	ppb
5) L1 1016(4)	8.74	19246238	0.032	ppb
6) L1 1016(5)	10.90	73261986	0.244	ppb
Sum 1016(1)		202.3E6	0.416	ppb
Average 1016(1)			0.104	ppb
7) L2 1260(6)	16.95f	11826476	N.D.	ppb
8) L2 1260(7)	0.00	0	N.D.	ppb
9) L2 1260(8)	0.00	0	N.D.	ppb
10) L2 1260(9)	0.00	0	N.D.	ppb
11) L2 1260(10)	0.00	0	N.D.	ppb
Sum 1260(6)		0	N.D.	ppb
Average 1260(6)			0.000	ppb

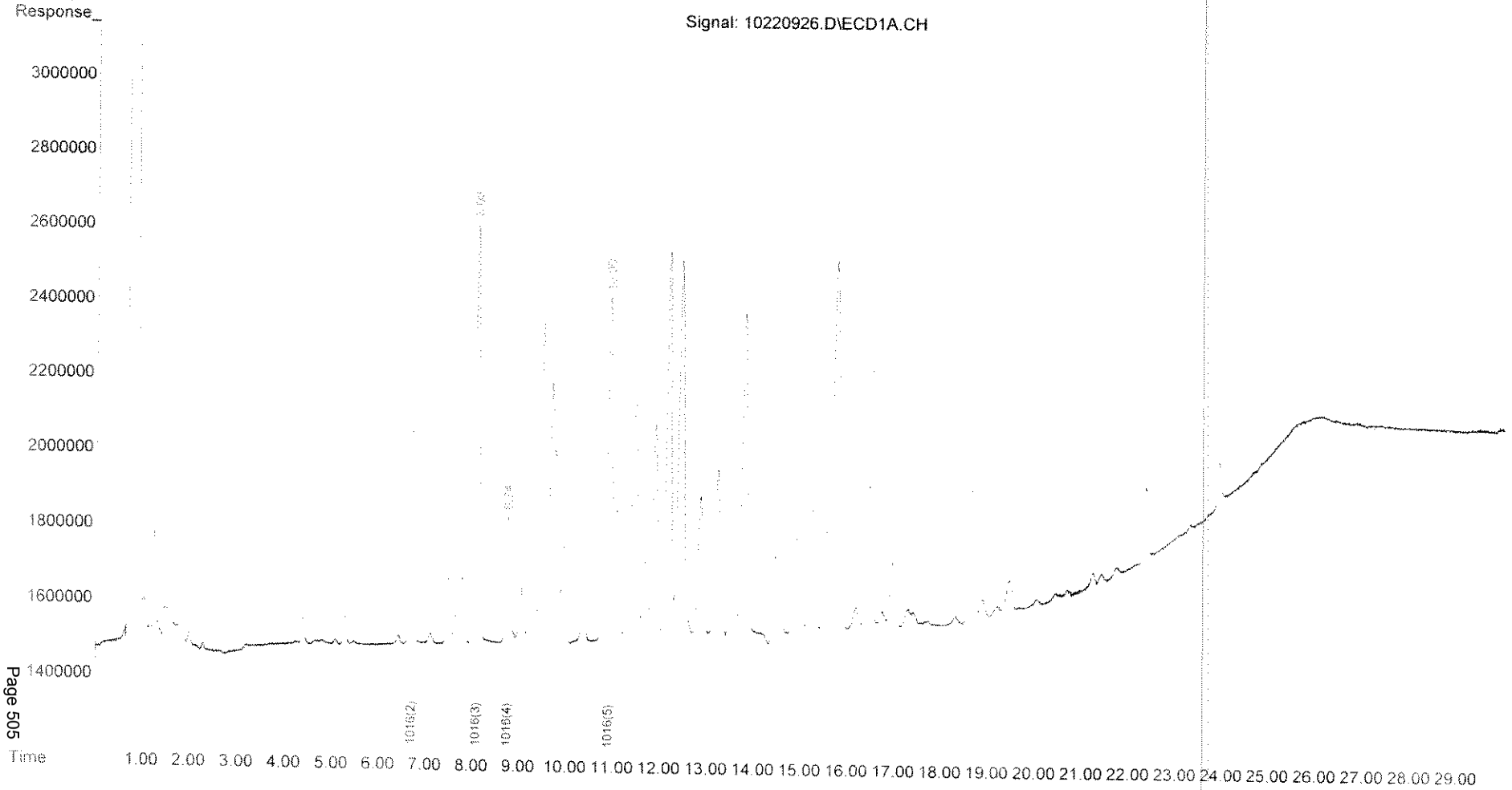
(f)=RT Delta > 1/2 Window (m)=manual int.
10220926.D PCBSF.M Fri Oct 23 07:41:30 2009

Quantitation Report (Not Reviewed)

Data File : C:\MSDchem\1\DATA\102209f\10220926.D Vial: 25
Acq On : 23 Oct 2009 7:11 am Operator: K.B.
Sample : 1248 1.0 Inst : gc7
Misc : Multiplr: 1.00
IntFile : EVENTS3.E
Quant Time: Oct 23 7:41 2009 Quant Results File: PCBSF.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCBSF.M (Chemstation Integrator)
Title :
Last Update : Mon Jun 15 11:28:17 2009
Response via : Single Level Calibration
DataAcq Meth : PCBSF.M

Volume Inj. :
Signal Phase :
Signal Info :



METALS QC DELIVERABLES

CONFORMANCE / NON-CONFORMANCE SUMMARY

Metals

QC Package for Sample Batch: 294399.00

< QC criteria were met for the following unless otherwise stated :

* Method Blank
* Duplicate RPD
* Spike % Recoveries
* Reference Sample
* Holding Time (SW846)
* Laboratory Control Standard
* Interference Check Standard

NYSDEC - ASP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: EcoTest Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

ICP Initial Calibration Source: High Purity

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	TRUE	Found	%R	TRUE	Found	%R(1)	Found	%R(1)	M
Aluminium	500.0	505.00	101.0	500.0	504.00	100.8	507.00	101.4	P
Antimony	500.0	506.00	101.2	500.0	505.00	101.0	504.00	100.8	P
Arsenic	500.0	508.00	101.6	500.0	511.00	102.2	516.00	103.2	P
Barium	500.0	504.00	100.8	500.0	507.00	101.4	506.00	101.2	P
Beryllium	500.0	502.00	100.4	500.0	505.00	101.0	503.00	100.6	P
Cadmium	500.0	502.00	100.4	500.0	503.00	100.6	506.00	101.2	P
Calcium	5000.0	5060.00	101.2	500.0	508.00	101.6	5000.00	100.0	P
Chromium	500.0	499.00	99.8	500.0	488.00	97.6	488.00	97.6	P
Cobalt	500.0	505.00	101.0	500.0	508.00	101.6	510.00	102.0	P
Copper	500.0	503.10	100.6	500.0	498.70	99.7	503.60	100.7	P
Iron	500.0	505.00	101.0	500.0	508.00	101.6	510.00	102.0	P
Lead	500.0	499.00	99.8	500.0	494.00	98.8	497.00	99.4	P
Magnesium	5000.0	5050.00	101.0	500.0	522.00	104.4	5080.00	101.6	P
Manganese	500.0	505.00	101.0	500.0	509.00	101.8	513.00	102.6	P
Mercury									
Nickel	500.0	507.00	101.4	500.0	510.00	102.0	511.00	102.2	P
Potassium	5000.0	5060.00	101.2	5000.0	5060.00	101.2	5020.00	100.4	P
Selenium	500.0	505.00	101.0	500.0	506.00	101.2	507.00	101.4	P
Silver	100.0	101.00	101.0	100.0	101.00	101.0	102.00	102.0	P
Sodium	5000.0	4900.00	98.0	5000.0	4820.00	96.4	4670.00	93.4	P
Thallium	500.0	502.00	100.4	500.0	496.00	99.2	492.00	98.4	P
Vanadium	500.0	504.00	100.8	500.0	504.00	100.8	507.00	101.4	P
Zinc	500.0	496.00	99.2	500.0	492.00	98.4	494.00	98.8	P
Cyanide									" "

(1) Control Limits: Mercury 80-120: Other Metals 90-110: Cyanide 85-115

FORM II (PART 1) - IN

NYSDEC - ASP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Initial Calibration Source: High Purity

Continuing Calibration Source: High Purity

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	TRUE	Found	%R	TRUE	Found	%R(1)	Found	%R(1)	M
Aluninium									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	5.0	5.12	102.4	3.0	3.13	104.2			AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120: Other Metals 90-110: Cyanide 85-115

NYSDEC - ASP
2B
CRDL STANDARDS FOR AA AND ICP

Lab Name : EcoTest Laboratories Contract :

Lab Code : Case No. : SAS No. : SDG No. : 294399

ICP CRDL Standard Source : High Purity

Concentration Units : ug/L

Analyte	Initial Calibration			Continuing Calibration				
	TRUE	Found	% R	TRUE	Initial Found	% R	Found	% R
Aluminum	10	16.5	165.0					
Antimony	5	6.1	122.0					
Arsenic	5	6.4	128.0					
Barium	5	5.1	102.0					
Beryllium	1	1.0	100.0					
Cadmium	5	3.3	66.0					
Calcium	500	508	101.6					
Chromium	5	4.2	84.0					
Cobalt	5	5.1	102.0					
Copper	10	10.3	103.0					
Iron	10	12.5	125.0					
Lead	5	2.8	56.0					
Magnesium	10	14	140.0					
Manganese	10	10.3	103.0					
Mercury								
Nickel	10	10.3	103.0					
Potassium								
Selenium	10	8	80.0					
Silver	1	2.0	200.0					
Sodium								
Thallium	5	6.4	128.0					
Vanadium	5	5.5	110.0					
Zinc	10	1.2	12.0					
Cyanide								

Control Limits : no limits have been established by NYSDEC or EPA at this time

FORM II (PART 2) - IN

NYSDEC - ASP
2B
CRDL STANDARDS FOR AA AND ICP

Lab Name : ECOTEST LABORATORY Contract :

Lab Code : Case No. : SAS No. : SDG No.: 294399

AA CRDL Standard Source : SCP

ICP CRDL Standard Source : High Purity

Concentration Units : ug/L

	Initial Calibration			Continuing Calibration				
				Initial				
Analyte	TRUE	Found	% R	TRUE	Found	% R	Found	% R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury	0.25	0.34	135.2					
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

Control Limits : no limits have been established by NYSDEC or EPA at this time

FORM II (PART 2) - IN

NYSDEC - ASP
3
BLANKS

Lab Name: EcoTest Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.:294399

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	10.0	U	10.0	U	10.0	U			10.0	U	P
Antimony	5.0	U	5.0	U	5.0	U			5.0	U	P
Arsenic	5.0	U	5.0	U	5.0	U			5.0	U	P
Barium	5.0	U	5.0	U	5.0	U			5.0	U	P
Beryllium	1.0	U	1.0	U	1.0	U			1.0	U	P
Cadmium	5.0	U	5.0	U	5.0	U			5.0	U	P
Calcium	500.0	U	500.0	U	500.0	U			500.0	U	P
Chromium	5.0	U	5.0	U	5.0	U			5.0	U	P
Cobalt	5.0	U	5.0	U	5.0	U			5.0	U	P
Copper	10.0	U	10.0	U	10.0	U			10.0	U	P
Iron	10.0	U	10.0	U	10.0	U			13.7	B	P
Lead	5.0	U	5.0	U	5.0	U			5.0	U	P
Magnesium	5.0	U	5.0	U	5.0	U			10.3	B	P
Manganese	10.0	U	10.0	U	10.0	U			10.0	U	P
Mercury											
Nickel	10.0	U	10.0	U	10.0	U			10.0	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U			1000.0	U	P
Selenium	10.0	U	10.0	U	10.0	U			10.0	U	P
Silver	5.0	U	5.0	U	5.0	U			5.0	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U			1000.0	U	P
Thallium	5.0	U	5.0	U	5.0	U			5.0	U	P
Vanadium	5.0	U	5.0	U	5.0	U			5.0	U	P
Zinc	10.0	U	-11.2		-11.4				10.0	U	P
Cyanide											" "

FORM III - IN

NYSDEC - ASP
3
BLANKS

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Preparation Blank Matrix (soil/water): Water

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury	0.3	U	0.3	U	0.3	U					AV
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

FORM III - IN

NYSDEC - ASP
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name : Contract :

Lab Code : Case No. : SAS No. : SDG No. : 294399

ICP ID Number : PE3300XL ICS Source : CPI

Concentration Units : ug/L

Analyte	TRUE Sol. A	TRUE Sol. B	Initial Found Sol. B	Initial Found Sol. AB	Initial Found % R	Final Found Sol. A	Final Found Sol. AB	Final Found % R
Aluminum	500000			495000	99.0			
Antimony								
Arsenic								
Barium		500	510	525	105.0			
Beryllium		500	502	524	104.8			
Cadmium		1000	1020	980	98.0			
Calcium								
Chromium		500	488	484	96.8			
Cobalt		500	507	479	95.8			
Copper		500	501	574	114.8			
Iron	200000			184000	92.0			
Lead		1000	1010	881				
Magnesium	500000			493000	98.6			
Manganese		500	522	534	106.8			
Mercury								
Nickel		1000	1020	913	91.3			
Potassium								
Selenium								
Silver		1000	1053	1127	112.7			
Sodium								
Thallium								
Vanadium		500	512	521	104.2			
Zinc		1000	1020	1070	107.0			

FORM IV - IN

NYSDEC - ASP

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

Lab Name: EcoTest Laboratories Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.: 294399

Matrix (soil/water): water Level (low/med): Low

% Solids for Sample:

Concentration Units (ug/L or mg/Kg wet weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	22600.0000		125.0000		21860.00	102.8		P
Antimony	75-125	219.0000		-1.1000	U	200.00	110.1		P
Arsenic	75-125	415.0000		0.9000	U	400.00	103.5		P
Barium	75-125	414.0000		18.1000		400.00	99.0		P
Beryllium	75-125	411.0000		0.0000	U	400.00	102.8		P
Cadmium	75-125	391.0000		-1.8000	U	400.00	98.2		P
Calcium	75-125	32600.0000		11500.0000		21860.00	96.5		P
Chromium	75-125	380.0000		0.0000	U	400.00	95.0		P
Cobalt	75-125	393.0000		0.5000	U	400.00	98.1		P
Copper	75-125	616.1000		206.2000		400.00	102.5		P
Iron	75-125	21800.0000		1160.0000		21860.00	94.4		P
Lead	75-125	374.0000		1.1000	U	400.00	93.2		P
Magnesium	75-125	23800.0000		4020.0000		21860.00	90.5		P
Manganese	75-125	426.0000		22.8000		400.00	100.8		P
Mercury									
Nickel	75-125	396.0000		5.1000	U	400.00	97.7		P
Potassium		10600.0000		4290.0000		4000.00	157.8		P
Selenium	75-125	411.0000		1.1000	U	400.00	102.5		P
Silver	75-125	87.0000		2.0000	U	80.00	106.3		P
Sodium		34200.0000		29100.0000		4000.00	127.5		P
Thallium	75-125	383.0000		-2.0000	U	400.00	96.3		P
Vanadium	75-125	399.0000		1.3000	U	400.00	99.4		P
Zinc	75-125	517.0000		104.0000		400.00	103.3		P
Cyanide									NR

Comments:

FORM V (PART 1) - IN

NYSDEC - ASP

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No. : 294399

Matrix (soil/water): Water Level (low/med): __ Low

% Solids for Sample:

Concentration Units (ug/L or mg/Kg wet weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Magnesium									
Manganese									
Mercury	75-125	6.6460		2.4920		4.00	103.9		AV
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

Comments:

FORM V (PART 1) - IN

NYSDEC - ASP
6
DUPLICATES

NYSDEC SAMPLE NO.

Lab Name: EcoTest Laboratories Contract: _____

Lab Code: _____ Case No :_____ SAS No.: _____ SDG No.: 294399

Martix (soil/water) : water Level (low/med): Low

% Solids for Sample : % Solids for Duplicate:

Concentration Units (ug/L or mg/Kg wet weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200	125.0000		120.0000		4.1		P
Antimony	60	-1.1000	U	-1.0000	U	9.5		P
Arsenic	10.0	0.9000	U	2.9000	U	105.3		P
Barium	200.0	18.1000		18.9000		4.3		P
Beryllium	5.0	0.0000	U	0.0000	U	0.0		P
Cadmium	5.0	-1.8000	U	-1.8000	U	0.0		P
Calcium	5000.0	11500.0000		11400.0000		0.9		P
Chromium	10.0	0.0000	U	-0.1000	U	200.0		P
Cobalt	50.0	0.5000	U	0.8000	U	46.2		P
Copper	25.0	206.2000		202.9000		1.6		P
Iron	1000.0	1160.0000		1100.0000		5.3		P
Lead	5.0	1.1000	U	0.7000	U	44.4		P
Magnesium	5000.0	4020.0000		1010.0000		119.7		P
Manganese	15.0	22.8000		27.8000		19.8		P
Mercury								
Nickel	40.0	5.1000	U	4.8000	U	6.1		P
Potassium	5000.0	4290.0000		4250.0000		0.9		P
Selenium	5.0	1.1000	U	2.1000	U	62.5		P
Silver	10.0	2.0000	U	2.0000	U	0.0		P
Sodium		29100.0000		29000.0000		0.3		P
Thallium	10.0	-2.0000	U	-1.9000	U	5.1		P
Vanadium	50.0	1.3000	U	1.3000	U	0.0		P
Zinc	10.0	104.0000		98.4000		5.5		P
Cyanide								NR

FORM VI - IN

NYSDEC - ASP
6
DUPLICATES

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case No :_____ SAS No.: _____ SDG No.: 294399

Martix (soil/water) : Water Level (low/med):

% Solids for Sample: % Solids for Duplicate:

Concentration Units (ug/L or mg/Kg wet weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury		2.4920		2.5990		4.2		AV
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								
Cyanide								

FORM VI - IN

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: EcoTest Laboratories Contract: _____

Lab Code: _____ Case Code: _____ SAS No.: _____ SDG No.: 294399

ICP ID Number: PE3300XL LCS Source: SCP

Concentration Units: ug/L

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	TRUE	Found	%R	TRUE	Found	C	Limits		%R
Aluminium	100.0	108.00	108.0						
Antimony	100.0	107.00	107.0						
Arsenic	100.0	109.00	109.0						
Barium	100.0	109.00	109.0						
Beryllium	100.0	107.00	107.0						
Cadmium	100.0	104.00	104.0						
Calcium	7970.0	7730.00	97.0						
Chromium	100.0	105.00	105.0						
Cobalt	100.0	105.00	105.0						
Copper	100.0	104.40	104.4						
Iron	100.0	114.00	114.0						
Lead	100.0	102.00	102.0						
Magnesium	3810.0	3750.00	98.4						
Manganese	100.0	107.00	107.0						
Mercury									
Nickel	100.0	106.00	106.0						
Potassium	2290.0	2490.00	108.7						
Selenium	100.0	107.00	107.0						
Silver	100.0	114.00	114.0						
Sodium	8080.0	8210.00	101.6						
Thallium	100.0	106.00	106.0						
Vanadium	100.0	106.00	106.0						
Zinc	100.0	106.00	106.0						
Cyanide									

FORM VII - IN

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case Code: _____ SAS No.: _____ SDG No.: 294399

Hg ID Number: __PE FIMS 100 LCS Source: SCP SCIENCE

Concentration Units: ug/L

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	TRUE	Found	%R	TRUE	Found	C	Limits		%R
Aluminium									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	4.0	4.151	103.8						
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

FORM VII - IN

NYSDEC - ASP
10
INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name : EcoTest Laboratories Contract :

Lab Code : Case No. : SAS No. : SDG No. : 294399

ICP ID Number : PE3300XL Date : 01/04/07

Analyte	Wavelength (nm)	Backround	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	396.153		200	0.71	P
Antimony	206.836		60	3.45	P
Arsenic	188.979		10	2.08	P
Barium	493.408		200	0.02	P
Beryllium	313.107		5	0.04	P
Cadmium	214.44		5	0.06	P
Calcium	317.933		5000	0.39	P
Chromium	267.716		10	0.23	P
Cobalt	228.616		50	0.17	P
Copper	327.393		25	0.72	P
Iron	238.204		100	0.32	P
Lead	220.353		5	1.54	P
Magnesium	279.077		5000	1.91	P
Manganese	257.61		15	0.02	P
Mercury	254.00		0.2	0.076	AV
Nickel	227.022		40	0.36	P
Potassium	766.49		5000	1.51	P
Selenium	196.02		5	6.2	P
Silver	328.068		10	0.2	P
Sodium	589.592		5000	3.45	P
Thallium	190.801		10	1.87	P
Vanadium	292.402		50	0.25	P
Zinc	213.857		20	0.27	P

Comments :

FORM X - IN

NYSDEC-ASP
13
PREPARATION LOG

Lab Name: ECOTEST LABORITORY

Contract:

Lab Code: Case No.: SAS No.: SDG No.:284399

Method: P

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mg/L)
ww Blank	10/20/2009		50
LFB ww	10/20/2009		50
4399.00	10/20/2009		50

Comments:

FORM XIII - IN

NYSDEC - ASP
13
PREPARATION LOG

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Method: AV

NYSDEC Sample No.	Preparation Date	Weight (gram)	Volume (mg/L)
BLANK	10/21/09		25
BLANK	10/21/09		25
BLANK	10/21/09		25
0.25	10/21/09		25
0.5	10/21/09		25
1.0	10/21/09		25
3.0	10/21/09		25
3.0	10/21/09		25
5.0	10/21/09		25
5.0	10/21/09		25
8.0	10/21/09		25
QC 4.0	10/21/09		25
QC 4.0	10/21/09		25
LFB 4.0	10/21/09		25
zzzz PM	10/21/09		25
zzzz PMD	10/21/09		25
zzzz PMS	10/21/09		25
4399.00	10/21/09		25

Comments:

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: EcoTest Laboratories Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Instrument ID Number: PE3300XL Method: P

Start Date: 10/21/09 End Date: 10/21/09

NYSDEC Sample No.	D/F	Time	%R	Analytes																								
				Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN
Cal Blk				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
STD 1				X	X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
STD 2										X				X		X								X	X	X	
STD 3																				X			X				
STD 4				X						X				X													
STD 5																											
STD 6																											
LCS				X	X		X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	
ICVS 1				X	X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ICVS 2										X				X		X											
ICVS 3																				X			X				
CCB				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
0.001 Irl								X																			
0.005 Irl					X	X	X		X		X	X			X							X		X	X		
0.010 Irl				X									X	X		X	X		X		X					X	
LCS						X														X							
ww 10/20																											
LFBw 10/20	5																										
CCVS 3																				X			X				
CCVS 1				X	X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
zzzzzz																											
zzzzzz																											
zzzzzz mdp																											
zzzzzz msp																											
4399.00				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVS 2										X				X		X											
CCVS 3																				X			X				
CCVS 1				X	X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICS B							X	X	X		X	X	X		X		X		X			X		X	X	X	
ICS AB				X			X	X	X		X	X	X	X	X	X	X		X			X		X	X	X	
20																											

FORM XIV - IN

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Instrument ID Number: PEFIMS100 Method: AV

Start Date: 10/21/09 End Date: 10/21/09

NYSDEC Sample No.	D/F	Time	%R	Analytes																								
				Al	Sb	As	Ba	Be	Cd	Ca	Cr	Cd	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN
Calib Blank																		X									
0.25 std																		X									
0.50 std																		X									
1.00 std																		X									
3.00 std																		X									
5.00 std																		X									
8.00 std																		X									
Blank																		X									
QC 4.0																		X									
ICVS 5.0																		X									
0.25lrl																		X									
LFB 4.0																		X									
zzzz PM																		X									
zzzz PMD																		X									
zzzz PMS																		X									
4399.00																		X									
zzzz																												
zzzz																												
zzzz																												
Blank																		X									
CCVS 3.0																		X									

FORM XIV - IN

EPA 3010

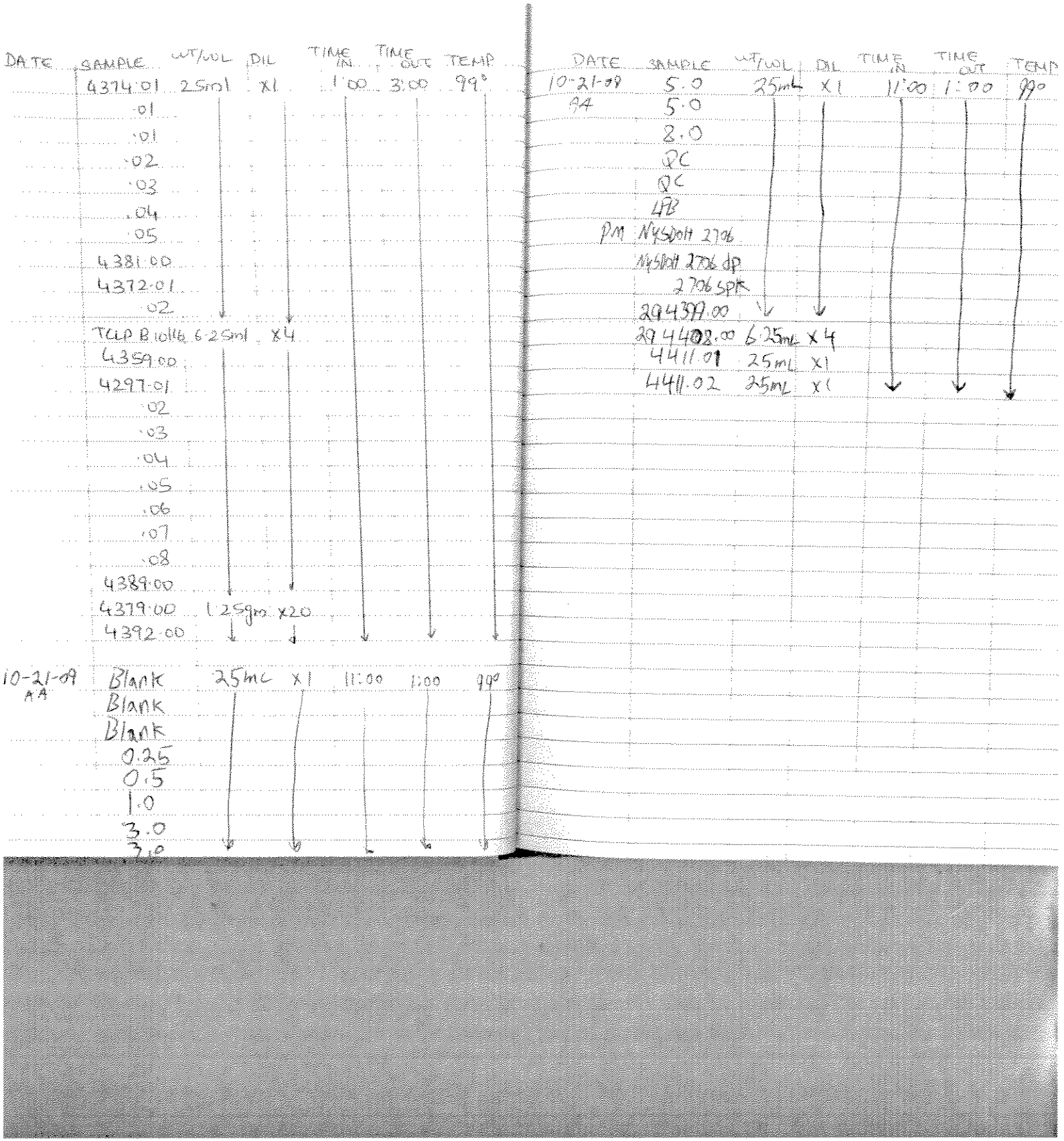
10/20/09

DATE	SAMPLE	WT. VOL.	FINAL VOL.	METHOD	COMMENT	pH	TECH.
01/16/09	LFB TCLP	5ml	50ml	3010			HKT
	Soil BLK	10ml		3050			
	LFB Soil	↓		↓			
	4359.00	5ml		3010		↓	
	4359.00				MDP		
	4359.00	↓			MSP		
	4360.01	10ml					
	.01				MDP		
	.01				MSP		
	.02						
	.03						
	.04						
	4366.00	↓		~~3005~~ 3010			
	4368.00	50ml		~~3005~~ 3010 MT			
	4368.00				MDP		
	4368.00			↓	MSP		
	4372.01			3010			
	.02	↓					
	4375.00	5ml					
	4375.00	1ml		↓			
	4379.00	2g		3050			
	4379.00				MDP		
	4379.00	↓	↓	↓	MSP	↓	↓
01/19/09	200.5 BLK	50ml	25ml	200.5			HKT
	LFB 200.5		↓	↓			
	W.W BLK		50ml	3010			
	LFB W.W		↓	↓			
	4374.01	↓	25ml	200.5			↓

DATE	SAMPLE	WT. VOL.	FINAL VOL.	METHOD	COMMENT	pH	TECH.
10/19/09	4374.02	50ml	25ml	200.5		↓	HKT
	.03						
	.04						
	.05						
	.05				MS		
	NYSDOH # 2206 LAB # 291403.05						
	NYSDOH # 2206 LAB # 291403.06				MS		
	NYSDOH # 2232 LAB # 291403.10						
	4381.00		50ml	3010		↓	
	4384.01						
	.01				MDP		
	.01				MSP	↓	↓
10/20/09	W.W BLK	50ml	50ml	3010			HKT
	LFB W.W	↓	↓	↓			
	Soil BLK	10ml		3050			
	LFB Soil	↓	↓	↓			
	4393.00	20ml	20ml	3010	limited sample	↓	
	4397.00	50ml	50ml	3010			
	4397.00				MDP		
	4397.00				MSP		
	4399.00	↓	↓	↓		↓	
	4392.00	2g		3050			
	4392.00	↓	↓	↓	MDP		
	4392.00	↓	↓	↓	MSP		↓
10/21/09	W.W BLK	50ml	50ml	3010			HKT
	LFB W.W	↓	↓	↓			
	P.W BLK			3005			
	LFB P.W	↓	↓	↓			↓

Digestion log for EPA 245.2

10/21/09


DATE SAMPLE WT/VOL DIL TIME IN TIME OUT TEMP
4374.01 25ml X1 1:00 3:00 99°
.01
.01
.02
.03
.04
.05
4381.00
4372.01
.02
TCLP Blank 6.25ml X4
4359.00
4297.01
.02
.03
.04
.05
.06
.07
.08
4389.00
4379.00 1.25gm X20
4392.00
10-21-09 AA
Blank 25mL X1 11:00 1:00 99°
Blank
Blank
0.25
0.5
1.0
3.0
3.0
DATE SAMPLE WT/VOL DIL TIME IN TIME OUT TEMP
10-21-09 AA
5.0 25mL X1 11:00 1:00 99°
5.0
8.0
QC
QC
LFB
PM Nyasorb 270b
Nyasorb 270b dp
270b spk
294377.00
294402.00 6.25mL X4
4411.01 25mL X1
4411.02 25mL X1

EPA 200.7

10/21/09

Mean Data

ID: Calib Blank 1 Seq. No.: 1 A/S Pos: 7

Sample Qty: g Prep. Vol.: Dilution: : Date: 2009/10/21 12:30:26

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,714,968.2	[0.00]	75,294.34	mg/L				1.60 %
Y 324.227	2,242,562.9	[0.00]	9,434.16	mg/L				0.42 %
Sc 361.383	7,436,794.9	[0.00]	102,497.37	mg/L				1.38 %
Sc 357.253	3,881,327.0	[0.00]	9,047.72	mg/L				0.23 %
Ag 328.068	-1,962.0	[0.00]	14.58	mg/L				0.74 %
Al 308.215	10,366.5	[0.00]	146.78	mg/L				1.42 %
Al 396.153	-2,218.6	[0.00]	79.67	mg/L				3.59 %
As 188.979	-3.2	[0.00]	1.10	mg/L				34.06 %
Ba 493.408	286.5	[0.00]	75.65	mg/L				26.40 %
Be 313.107	-6,784.3	[0.00]	141.84	mg/L				2.09 %
Ca 317.933	51,327.9	[0.00]	488.37	mg/L				0.95 %
Ca 315.887	4,572.2	[0.00]	69.00	mg/L				1.51 %
Cd 214.440	1,237.6	[0.00]	33.79	mg/L				2.73 %
Co 228.616	-163.6	[0.00]	9.10	mg/L				5.57 %
Fe 238.204	1,161.2	[0.00]	20.31	mg/L				1.75 %
Fe 238.863	-1,484.3	[0.00]	42.97	mg/L				2.90 %
Mg 279.077	1,972.9	[0.00]	8.75	mg/L				0.44 %
Mn 257.610	935.6	[0.00]	21.19	mg/L				2.27 %
Na 330.237	503.0	[0.00]	60.13	mg/L				11.95 %
Pb 220.353	-1.1	[0.00]	9.12	mg/L				845.45 %
Sb 206.836	74.9	[0.00]	0.67	mg/L				0.89 %

Se 196.026	-81.5	[0.00]	0.62	mg/L		0.76 %
Tl 190.801	-35.5	[0.00]	0.60	mg/L		1.70 %
V 292.402	1,187.5	[0.00]	29.36	mg/L		2.47 %
Zn 213.857	2,243.0	[0.00]	49.12	mg/L		2.19 %
Cr 267.716	2,617.2	[0.00]	37.48	mg/L		1.43 %
Cu 324.752	8,836.9	[0.00]	148.98	mg/L		1.69 %
Ni 227.022	884.7	[0.00]	10.80	mg/L		1.22 %
K 766.490	8,143.7	[0.00]	235.27	mg/L		2.89 %

Mean Data

ID: Calib Std 1 **Seq. No.:** 2 **A/S Pos:** 3

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:35:14

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,664,444.7	0.989	34,923.71	mg/L				0.75 %
Y 324.227	2,232,698.3	0.996	4,693.38	mg/L				0.21 %
Sc 361.383	7,404,877.3	0.996	54,397.10	mg/L				0.73 %
Sc 357.253	3,853,279.9	0.993	28,552.76	mg/L				0.74 %
Ag 328.068	27,363.5	[0.100]	473.34	mg/L				1.73 %
Al 396.153	72,197.9	[0.500]	901.73	mg/L				1.25 %
As 188.979	719.5	[0.500]	10.42	mg/L				1.45 %
Ba 493.408	2,803,506.0	[0.500]	24,913.72	mg/L				0.89 %
Be 313.107	3,638,061.7	[0.500]	33,939.42	mg/L				0.93 %
Cd 214.440	132,382.0	[0.500]	1,601.18	mg/L				1.21 %
Co 228.616	27,930.9	[0.500]	279.24	mg/L				1.00 %
Fe 238.204	102,402.6	[0.500]	1,402.61	mg/L				1.37 %
Mn 257.610	511,576.8	[0.500]	6,417.72	mg/L				1.25 %

Pb 220.353	11,485.0	[0.500]	136.41	mg/L		1.19 %
Sb 206.836	1,273.7	[0.500]	29.55	mg/L		2.32 %
Se 196.026	915.4	[0.500]	20.71	mg/L		2.26 %
Tl 190.801	1,155.0	[0.500]	14.26	mg/L		1.23 %
V 292.402	237,844.3	[0.500]	2,923.47	mg/L		1.23 %
Zn 213.857	63,404.8	[0.500]	733.45	mg/L		1.16 %
Cr 267.716	163,606.4	[0.500]	1,866.51	mg/L		1.14 %
Cu 324.752	225,202.8	[0.500]	3,486.20	mg/L		1.55 %
Ni 227.022	18,670.3	[0.500]	197.02	mg/L		1.06 %

Mean Data

ID: Calib Std 2 **Seq. No.:** 3 **A/S Pos:** 4

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:38:56

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,686,519.9	0.994	69,700.78	mg/L				1.49 %
Y 324.227	2,251,318.0	1.00	14,346.70	mg/L				0.64 %
Sc 361.383	7,410,079.4	0.996	84,745.68	mg/L				1.14 %
Sc 357.253	3,913,148.1	1.01	14,507.64	mg/L				0.37 %
Ca 317.933	1,971,114.9	[5.00]	38,578.57	mg/L				1.96 %
Mg 279.077	189,365.9	[5.00]	3,591.19	mg/L				1.90 %

Mean Data

ID: Calib Std 3 **Seq. No.:** 4 **A/S Pos:** 5

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:42:26

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,688,390.4	0.994	42,645.91	mg/L				0.91 %
Y 324.227	2,238,383.0	0.998	9,319.44	mg/L				0.42 %
Sc 361.383	7,405,043.3	0.996	44,825.61	mg/L				0.61 %
Sc 357.253	3,857,282.1	0.994	23,225.17	mg/L				0.60 %

Na 330.237	4,831.1	[5.00]	118.01	mg/L			2.44 %
K 766.490	1,473,131.0	[5.00]	39,504.68	mg/L			2.68 %

Mean Data

ID: Calib Std 4 **Seq. No.:** 5 **A/S Pos:** 6

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:46:14

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,340,894.7	0.921	34,882.27	mg/L				0.80 %
Y 324.227	2,096,007.5	0.935	6,945.11	mg/L				0.33 %
Sc 361.383	7,346,780.8	0.988	105,677.14	mg/L				1.44 %
Sc 357.253	3,811,501.8	0.982	32,409.52	mg/L				0.85 %
Al 308.215	4,455,465.1	[100.00]	36,514.94	mg/L				0.82 %
Ca 315.887	21,623,805.2	[100.00]	178,635.45	mg/L				0.83 %
Fe 238.863	5,399,158.5	[100.00]	6,691.92	mg/L				0.12 %
Na 330.237	132,869.4	[100.00]	1,114.77	mg/L				0.84 %

Mean Data

ID: Calib Std 5 **Seq. No.:** 6 **A/S Pos:** 8

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:49:37

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,750,300.5	1.01	46,404.62	mg/L				0.98 %
Y 324.227	2,249,235.7	1.00	7,597.99	mg/L				0.34 %
Sc 361.383	7,476,608.1	1.01	68,554.68	mg/L				0.92 %
Sc 357.253	3,893,831.1	1.00	33,880.56	mg/L				0.87 %

Mean Data

ID: Calib Std 6 **Seq. No.:** 7 **A/S Pos:** 1

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 12:52:53

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,783,816.2	1.01	41,207.14	mg/L				0.86 %
Y 324.227	2,268,013.8	1.01	15,763.12	mg/L				0.70 %
Sc 361.383	7,579,906.9	1.02	59,588.93	mg/L				0.79 %

Sc 357.253	3,948,125.5	1.02	29,070.32	mg/L				0.74 %

Mean Data

ID: LCS 1 **Seq. No.:** 8 **A/S Pos:** 2

2009/10/21 13:08:33 QC Failed. Continue with analysis.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:07:40

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,717,837.3	1.00	0.016	mg/L				1.62 %
Y 324.227	2,252,243.1	1.00	0.006	mg/L				0.64 %
Sc 361.383	7,434,379.3	1.000	0.0088	mg/L				0.88 %
Sc 357.253	3,880,506.7	1.000	0.0084	mg/L				0.84 %
Ag 328.068	31,075.6	0.114	0.0026	mg/L	0.114			2.26 %
Al 308.215	5,142.3	0.115	0.0075	mg/L	0.115			6.49 %
2009/10/21 13:08:31 QC value within limits for Al 308.215 Recovery = 115.42%								
Al 396.153	18,653.5	0.129	0.0027	mg/L	0.129			2.06 %
2009/10/21 13:08:31 QC value greater than the upper limit for Al 396.153 Recovery = 129.18%								
As 188.979	159.3	0.111	0.0011	mg/L	0.111			0.98 %
2009/10/21 13:08:31 QC value within limits for As 188.979 Recovery = 110.67%								
Ba 493.408	611,163.5	0.109	0.0022	mg/L	0.109			2.06 %
2009/10/21 13:08:31 QC value within limits for Ba 493.408 Recovery = 109.00%								
Be 313.107	776,613.6	0.107	0.0021	mg/L	0.107			1.95 %
2009/10/21 13:08:31 QC value within limits for Be 313.107 Recovery = 106.73%								
Ca 317.933	3,048,162.5	7.73	0.153	mg/L	7.73			1.98 %
2009/10/21 13:08:31 QC value within limits for Ca 317.933 Recovery = 97.01%								
Ca 315.887	1,639,371.0	7.58	0.151	mg/L	7.58			1.99 %
2009/10/21 13:08:31 QC value within limits for Ca 315.887 Recovery = 95.12%								
Cd 214.440	27,612.2	0.104	0.0024	mg/L	0.104			2.28 %
2009/10/21 13:08:31 QC value within limits for Cd 214.440 Recovery = 104.29%								
Co 228.616	5,841.0	0.105	0.0022	mg/L	0.105			2.12 %
2009/10/21 13:08:31 QC value within limits for Co 228.616 Recovery = 104.56%								
Fe 238.204	23,406.2	0.114	0.0028	mg/L	0.114			2.43 %
2009/10/21 13:08:31 QC value within limits for Fe 238.204 Recovery = 114.29%								
Fe 238.863	6,470.5	0.120	0.0024	mg/L	0.120			1.99 %
Mg 279.077	142,198.3	3.75	0.078	mg/L	3.75			2.09 %
2009/10/21 13:08:31 QC value within limits for Mg 279.077 Recovery = 98.55%								
Mn 257.610	109,236.1	0.107	0.0024	mg/L	0.107			2.28 %
2009/10/21 13:08:31 QC value within limits for Mn 257.610 Recovery = 106.76%								
Na 330.237	8,036.5	8.21	0.208	mg/L	8.21			2.54 %
2009/10/21 13:08:31 QC value within limits for Na 330.237 Recovery = 101.65%								
Pb 220.353	2,346.1	0.102	0.0021	mg/L	0.102			2.07 %
2009/10/21 13:08:31 QC value within limits for Pb 220.353 Recovery = 102.14%								

Sb 206.836	272.6	0.107	0.0044	mg/L	0.107	4.13 %
2009/10/21 13:08:31	QC value within limits for Sb 206.836 Recovery = 107.03%					
Se 196.026	195.3	0.107	0.0060	mg/L	0.107	5.66 %
2009/10/21 13:08:31	QC value within limits for Se 196.026 Recovery = 106.67%					
Tl 190.801	244.0	0.106	0.0014	mg/L	0.106	1.36 %
2009/10/21 13:08:31	QC value within limits for Tl 190.801 Recovery = 105.63%					
V 292.402	50,636.1	0.106	0.0023	mg/L	0.106	2.15 %
2009/10/21 13:08:31	QC value within limits for V 292.402 Recovery = 106.45%					
Zn 213.857	13,379.9	0.106	0.0025	mg/L	0.106	2.39 %
2009/10/21 13:08:31	QC value within limits for Zn 213.857 Recovery = 105.51%					
Cr 267.716	34,332.8	0.105	0.0025	mg/L	0.105	2.36 %
2009/10/21 13:08:31	QC value within limits for Cr 267.716 Recovery = 104.92%					
Cu 324.752	47,032.8	0.1044	0.00291	mg/L	0.1044	2.79 %
2009/10/21 13:08:31	QC value within limits for Cu 324.752 Recovery = 104.42%					
Ni 227.022	3,948.3	0.106	0.0023	mg/L	0.106	2.22 %
2009/10/21 13:08:31	QC value within limits for Ni 227.022 Recovery = 105.74%					
K 766.490	789,792.8	2.68	0.059	mg/L	2.68	2.21 %
2009/10/21 13:08:31	QC value greater than the upper limit for K 766.490 Recovery = 117.06%					

Mean Data

ID: LCS 2 **Seq. No.:** 9 **A/S Pos:** 16

2009/10/21 13:13:24 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:12:30

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,724,062.1	1.00	0.013	mg/L				1.30 %
Y 324.227	2,272,871.9	1.01	0.008	mg/L				0.74 %
Sc 361.383	7,476,243.0	1.01	0.010	mg/L				1.01 %
Sc 357.253	3,898,684.5	1.00	0.010	mg/L				0.95 %
Ag 328.068	164.1	0.001	0.0000	mg/L	0.001			6.93 %
Al 308.215	24.6	0.0006	0.00311	mg/L	0.0006			563.81 %
Al 396.153	154.1	0.0011	0.00013	mg/L	0.0011			12.36 %
As 188.979	3.6	0.0025	0.00093	mg/L	0.0025			37.42 %
Ba 493.408	1,597.3	0.0003	0.00007	mg/L	0.0003			25.45 %
Be 313.107	359.5	0.0000	0.00009	mg/L	0.0000			177.32 %
Ca 317.933	2,223.2	0.0056	0.00336	mg/L	0.0056			59.50 %
Ca 315.887	1,052.0	0.0049	0.00447	mg/L	0.0049			91.80 %

Cd 214.440	-338.9	-0.0013	0.00003	mg/L	-0.0013	2.12 %
Co 228.616	6.0	0.0001	0.00008	mg/L	0.0001	75.83 %
Fe 238.204	635.9	0.0031	0.00008	mg/L	0.0031	2.56 %
Fe 238.863	162.6	0.0030	0.00055	mg/L	0.0030	18.37 %
Mg 279.077	80.6	0.0021	0.00153	mg/L	0.0021	71.71 %
Mn 257.610	88.8	0.0001	0.00002	mg/L	0.0001	27.06 %
Na 330.237	-216.6	-0.229	0.0594	mg/L	-0.229	25.93 %
Pb 220.353	-55.4	-0.0024	0.00066	mg/L	-0.0024	27.24 %
Sb 206.836	-0.3	-0.0001	0.00062	mg/L	-0.0001	499.48 %
Se 196.026	-3.3	-0.0018	0.00222	mg/L	-0.0018	122.56 %
Tl 190.801	-5.3	-0.0023	0.00107	mg/L	-0.0023	46.28 %
V 292.402	162.2	0.0003	0.00007	mg/L	0.0003	21.25 %
Zn 213.857	-1,056.7	-0.0083	0.00009	mg/L	-0.0083	1.08 %
Cr 267.716	-132.2	-0.0004	0.00009	mg/L	-0.0004	21.06 %
Cu 324.752	186.8	0.0004	0.00013	mg/L	0.0004	32.02 %
Ni 227.022	17.6	0.0005	0.00027	mg/L	0.0005	57.20 %
K 766.490	1,499.6	0.0051	0.00106	mg/L	0.0051	20.84 %

Mean Data

ID: ICVS (1) **Seq. No.:** 10 **A/S Pos:** 3

2009/10/21 13:18:13 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:17:25

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,658,791.4	0.988	0.0040	mg/L				0.40 %
Y 324.227	2,242,363.5	1.000	0.0018	mg/L				0.18 %
Sc 361.383	7,407,874.2	0.996	0.0049	mg/L				0.49 %
Sc 357.253	3,921,829.3	1.01	0.002	mg/L				0.18 %

Ag 328.068	27,624.5	0.101	0.0006	mg/L	0.101	0.55 %
2009/10/21 13:18:12	QC value within limits for Ag 328.068 Recovery = 100.95%					
Al 308.215	20,651.4	0.464	0.0048	mg/L	0.464	1.04 %
Al 396.153	72,872.9	0.505	0.0026	mg/L	0.505	0.51 %
2009/10/21 13:18:12	QC value within limits for Al 396.153 Recovery = 100.93%					
As 188.979	730.4	0.508	0.0103	mg/L	0.508	2.03 %
2009/10/21 13:18:12	QC value within limits for As 188.979 Recovery = 101.51%					
Ba 493.408	2,823,640.1	0.504	0.0028	mg/L	0.504	0.55 %
2009/10/21 13:18:12	QC value within limits for Ba 493.408 Recovery = 100.72%					
Be 313.107	3,653,465.8	0.502	0.0025	mg/L	0.502	0.51 %
2009/10/21 13:18:12	QC value within limits for Be 313.107 Recovery = 100.42%					
Ca 317.933	200,322.7	0.508	0.0039	mg/L	0.508	0.77 %
Ca 315.887	107,482.9	0.497	0.0037	mg/L	0.497	0.74 %
Cd 214.440	132,982.8	0.502	0.0029	mg/L	0.502	0.59 %
2009/10/21 13:18:12	QC value within limits for Cd 214.440 Recovery = 100.45%					
Co 228.616	28,234.1	0.505	0.0053	mg/L	0.505	1.06 %
2009/10/21 13:18:12	QC value within limits for Co 228.616 Recovery = 101.09%					
Fe 238.204	103,469.8	0.505	0.0041	mg/L	0.505	0.81 %
Fe 238.863	28,406.7	0.526	0.0042	mg/L	0.526	0.80 %
Mg 279.077	19,501.3	0.515	0.0052	mg/L	0.515	1.02 %
Mn 257.610	516,847.0	0.505	0.0031	mg/L	0.505	0.61 %
2009/10/21 13:18:12	QC value within limits for Mn 257.610 Recovery = 101.03%					
Na 330.237	-1,384.0	-1.47	0.023	mg/L	-1.47	1.54 %
Pb 220.353	11,470.6	0.499	0.0055	mg/L	0.499	1.10 %
2009/10/21 13:18:12	QC value within limits for Pb 220.353 Recovery = 99.87%					
Sb 206.836	1,287.9	0.506	0.0062	mg/L	0.506	1.23 %
2009/10/21 13:18:12	QC value within limits for Sb 206.836 Recovery = 101.12%					
Se 196.026	924.5	0.505	0.0089	mg/L	0.505	1.76 %
2009/10/21 13:18:12	QC value within limits for Se 196.026 Recovery = 101.00%					
Tl 190.801	1,159.2	0.502	0.0099	mg/L	0.502	1.98 %
2009/10/21 13:18:12	QC value within limits for Tl 190.801 Recovery = 100.36%					
V 292.402	239,542.9	0.504	0.0032	mg/L	0.504	0.63 %
2009/10/21 13:18:12	QC value within limits for V 292.402 Recovery = 100.71%					
Zn 213.857	62,912.2	0.496	0.0031	mg/L	0.496	0.62 %
2009/10/21 13:18:12	QC value within limits for Zn 213.857 Recovery = 99.22%					
Cr 267.716	163,346.3	0.499	0.0030	mg/L	0.499	0.61 %
2009/10/21 13:18:12	QC value within limits for Cr 267.716 Recovery = 99.84%					
Cu 324.752	226,606.5	0.5031	0.00445	mg/L	0.5031	0.88 %
2009/10/21 13:18:12	QC value within limits for Cu 324.752 Recovery = 100.62%					

Ni 227.022	18,918.4	0.507	0.0051	mg/L	0.507	1.01 %
2009/10/21 13:18:12 QC value within limits for Ni 227.022 Recovery = 101.33%						
K 766.490	3,239.5	0.0110	0.00016	mg/L	0.0110	1.41 %

Mean Data

ID: ICVS (2) **Seq. No.:** 11 **A/S Pos:** 4

2009/10/21 13:22:57 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:22:08

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,675,540.1	0.992	0.0114	mg/L				1.15 %
Y 324.227	2,243,164.3	1.00	0.008	mg/L				0.80 %
Sc 361.383	7,421,041.6	0.998	0.0077	mg/L				0.77 %
Sc 357.253	3,876,012.3	0.999	0.0075	mg/L				0.75 %
Ag 328.068	232.6	0.001	0.0001	mg/L	0.001			15.70 %
Al 308.215	258.7	0.0058	0.00385	mg/L	0.0058			66.25 %
Al 396.153	345.4	0.0024	0.00059	mg/L	0.0024			24.52 %
As 188.979	7,534.0	5.24	0.093	mg/L	5.24			1.78 %
Ba 493.408	1,933.9	0.0003	0.00012	mg/L	0.0003			35.02 %
Be 313.107	1,307.9	0.0002	0.00015	mg/L	0.0002			81.11 %
Ca 317.933	1,993,425.3	5.06	0.078	mg/L	5.06			1.54 %
2009/10/21 13:22:55 QC value within limits for Ca 317.933 Recovery = 101.13%								
Ca 315.887	1,079,113.5	4.99	0.077	mg/L	4.99			1.54 %
Cd 214.440	1,339,450.0	5.06	0.079	mg/L	5.06			1.56 %
Co 228.616	21.4	0.0004	0.00015	mg/L	0.0004			38.00 %
Fe 238.204	1,056,429.6	5.16	0.088	mg/L	5.16			1.71 %
2009/10/21 13:22:55 QC value within limits for Fe 238.204 Recovery = 103.16%								
Fe 238.863	284,197.9	5.26	0.089	mg/L	5.26			1.69 %
Mg 279.077	191,336.1	5.05	0.080	mg/L	5.05			1.57 %
2009/10/21 13:22:55 QC value within limits for Mg 279.077 Recovery = 101.04%								
Mn 257.610	473.1	0.0005	0.00007	mg/L	0.0005			14.39 %
Na 330.237	-13,383.6	-15.0	0.27	mg/L	-15.0			1.82 %

Pb 220.353	117,624.3	5.12	0.084	mg/L	5.12	1.64 %
Sb 206.836	12.9	0.0050	0.00142	mg/L	0.0050	28.21 %
Se 196.026	9,685.9	5.29	0.107	mg/L	5.29	2.02 %
Tl 190.801	12,098.2	5.24	0.085	mg/L	5.24	1.62 %
V 292.402	119.7	0.0003	0.00023	mg/L	0.0003	90.87 %
Zn 213.857	644,932.6	5.09	0.080	mg/L	5.09	1.58 %
Cr 267.716	108.2	0.0003	0.00003	mg/L	0.0003	7.93 %
Cu 324.752	2,341,872.1	5.199	0.0805	mg/L	5.199	1.55 %
Ni 227.022	176.0	0.0047	0.00041	mg/L	0.0047	8.72 %
K 766.490	2,027.3	0.0069	0.00015	mg/L	0.0069	2.21 %

Mean Data

ID: ICVS (3) **Seq. No.:** 12 **A/S Pos:** 5

2009/10/21 13:27:44 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:26:54

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,664,599.3	0.989	0.0120	mg/L				1.21 %
Y 324.227	2,236,740.7	0.997	0.0060	mg/L				0.60 %
Sc 361.383	7,383,286.7	0.993	0.0079	mg/L				0.80 %
Sc 357.253	3,901,634.8	1.01	0.005	mg/L				0.50 %
Ag 328.068	242.4	0.001	0.0001	mg/L	0.001			7.60 %
Al 308.215	203.6	0.0046	0.00292	mg/L	0.0046			63.85 %
Al 396.153	271.0	0.0019	0.00018	mg/L	0.0019			9.38 %
As 188.979	11.3	0.0079	0.00343	mg/L	0.0079			43.63 %
Ba 493.408	82.6	0.0000	0.00002	mg/L	0.0000			156.77 %
Be 313.107	-105.1	0.0000	0.00001	mg/L	0.0000			101.49 %
Ca 317.933	3,973.8	0.0101	0.00062	mg/L	0.0101			6.15 %

Ca 315.887	1,939.7	0.0090	0.00173	mg/L	0.0090	19.24 %
Cd 214.440	219.2	0.0008	0.00169	mg/L	0.0008	203.53 %
Co 228.616	-3.0	-0.0001	0.00018	mg/L	-0.0001	335.59 %
Fe 238.204	1,276.3	0.0062	0.00193	mg/L	0.0062	31.04 %
Fe 238.863	329.9	0.0061	0.00203	mg/L	0.0061	33.19 %
Mg 279.077	213.0	0.0056	0.00123	mg/L	0.0056	21.85 %
Mn 257.610	56.8	0.0001	0.00002	mg/L	0.0001	40.97 %
Na 330.237	4,731.2	4.90	0.099	mg/L	4.90	2.03 %
Pb 220.353	60.2	0.0026	0.00221	mg/L	0.0026	84.35 %
Sb 206.836	4.3	0.0017	0.00074	mg/L	0.0017	43.93 %
Se 196.026	11.3	0.0062	0.00239	mg/L	0.0062	38.73 %
Tl 190.801	13.0	0.0056	0.00178	mg/L	0.0056	31.51 %
V 292.402	173.3	0.0004	0.00008	mg/L	0.0004	21.07 %
Zn 213.857	-324.5	-0.0026	0.00230	mg/L	-0.0026	89.95 %
Cr 267.716	-164.6	-0.0005	0.00014	mg/L	-0.0005	27.61 %
Cu 324.752	3,273.5	0.0073	0.00283	mg/L	0.0073	38.90 %
Ni 227.022	35.3	0.0009	0.00011	mg/L	0.0009	11.67 %
K 766.490	1,491,237.0	5.06	0.134	mg/L	5.06	2.65 %

2009/10/21 13:27:42 QC value within limits for K 766.490 Recovery = 101.23%

Mean Data

ID: CCB **Seq. No.:** 15 **A/S Pos:** 7

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:41:17

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,712,854.9	1.000	0.0161	mg/L			mg/L	1.62 %
Y 324.227	2,249,233.5	1.00	0.003	mg/L			mg/L	0.34 %
Sc 361.383	7,447,049.4	1.00	0.015	mg/L			mg/L	1.45 %

Sc 357.253	3,892,086.5	1.00	0.014	mg/L			mg/L	1.39 %
Ag 328.068	269.2	0.001	0.0001	mg/L	0.001	0.0001	mg/L	6.21 %
Al 308.215	70.0	0.0016	0.00410	mg/L	0.0016	0.00410	mg/L	260.83 %
Al 396.153	18.5	0.0001	0.00034	mg/L	0.0001	0.00034	mg/L	264.86 %
As 188.979	2.0	0.0014	0.00076	mg/L	0.0014	0.00076	mg/L	54.09 %
Ba 493.408	-206.6	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	17.00 %
Be 313.107	-46.1	0.0000	0.00002	mg/L	0.0000	0.00002	mg/L	344.92 %
Ca 317.933	-766.6	-0.0019	0.00160	mg/L	-0.0019	0.00160	mg/L	82.06 %
Ca 315.887	-402.0	-0.0019	0.00039	mg/L	-0.0019	0.00039	mg/L	21.13 %
Cd 214.440	-408.1	-0.0015	0.00008	mg/L	-0.0015	0.00008	mg/L	5.00 %
Co 228.616	-5.8	-0.0001	0.00012	mg/L	-0.0001	0.00012	mg/L	111.99 %
Fe 238.204	-13.2	-0.0001	0.00003	mg/L	-0.0001	0.00003	mg/L	47.70 %
Fe 238.863	-25.1	-0.0005	0.00064	mg/L	-0.0005	0.00064	mg/L	137.22 %
Mg 279.077	110.2	0.0029	0.00151	mg/L	0.0029	0.00151	mg/L	52.05 %
Mn 257.610	33.7	0.0000	0.00004	mg/L	0.0000	0.00004	mg/L	111.62 %
Na 330.237	-186.7	-0.197	0.0623	mg/L	-0.197	0.0623	mg/L	31.58 %
Pb 220.353	-44.9	-0.0020	0.00053	mg/L	-0.0020	0.00053	mg/L	27.17 %
Sb 206.836	3.8	0.0015	0.00115	mg/L	0.0015	0.00115	mg/L	75.99 %
Se 196.026	0.4	0.0002	0.00296	mg/L	0.0002	0.00296	mg/L	1,206.1 %
Tl 190.801	1.2	0.0005	0.00178	mg/L	0.0005	0.00178	mg/L	349.71 %
V 292.402	181.4	0.0004	0.00004	mg/L	0.0004	0.00004	mg/L	9.97 %
Zn 213.857	-1,088.4	-0.0086	0.00009	mg/L	-0.0086	0.00009	mg/L	1.00 %
Cr 267.716	-194.8	-0.0006	0.00015	mg/L	-0.0006	0.00015	mg/L	25.47 %

Cu 324.752	315.1	0.0007	0.00029	mg/L	0.0007	0.00029	mg/L	40.86 %
Ni 227.022	27.5	0.0007	0.00009	mg/L	0.0007	0.00009	mg/L	12.86 %
K 766.490	-523.8	-0.0018	0.00031	mg/L	-0.0018	0.00031	mg/L	17.46 %

Mean Data

ID: 0.001 lrl **Seq. No.:** 16 **A/S Pos:** 9

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:46:01

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,681,469.9	0.993	0.0094	mg/L			mg/L	0.95 %
Y 324.227	2,241,609.2	1.000	0.0064	mg/L			mg/L	0.65 %
Sc 361.383	7,381,019.0	0.993	0.0048	mg/L			mg/L	0.49 %
Sc 357.253	3,859,060.5	0.994	0.0048	mg/L			mg/L	0.48 %
Ag 328.068	328.5	0.001	0.0002	mg/L	0.001	0.0002	mg/L	18.21 %
Al 308.215	431.2	0.0097	0.00241	mg/L	0.0097	0.00241	mg/L	24.90 %
Al 396.153	925.7	0.0064	0.00027	mg/L	0.0064	0.00027	mg/L	4.25 %
As 188.979	5.8	0.0040	0.00287	mg/L	0.0040	0.00287	mg/L	71.28 %
Ba 493.408	5,599.3	0.0010	0.00001	mg/L	0.0010	0.00001	mg/L	1.50 %
Be 313.107	7,232.6	0.0010	0.00000	mg/L	0.0010	0.00000	mg/L	0.19 %
Ca 317.933	2,204.1	0.0056	0.00076	mg/L	0.0056	0.00076	mg/L	13.57 %
Ca 315.887	1,116.1	0.0052	0.00076	mg/L	0.0052	0.00076	mg/L	14.69 %
Cd 214.440	-154.7	-0.0006	0.00001	mg/L	-0.0006	0.00001	mg/L	2.35 %
Co 228.616	50.0	0.0009	0.00010	mg/L	0.0009	0.00010	mg/L	10.93 %
Fe 238.204	518.9	0.0025	0.00012	mg/L	0.0025	0.00012	mg/L	4.87 %
Fe 238.863	108.3	0.0020	0.00026	mg/L	0.0020	0.00026	mg/L	13.00 %
Mg 279.077	111.4	0.0029	0.00028	mg/L	0.0029	0.00028	mg/L	9.37 %
Mn 257.610	1,121.9	0.0011	0.00005	mg/L	0.0011	0.00005	mg/L	4.93 %

Na 330.237	-157.7	-0.167	0.0348	mg/L	-0.167	0.0348	mg/L	20.90 %
Pb 220.353	-24.0	-0.0010	0.00051	mg/L	-0.0010	0.00051	mg/L	49.14 %
Sb 206.836	3.3	0.0013	0.00105	mg/L	0.0013	0.00105	mg/L	79.59 %
Se 196.026	0.0	0.0000	0.00300	mg/L	0.0000	0.00300	mg/L	24,728. %
Tl 190.801	0.2	0.0001	0.00147	mg/L	0.0001	0.00147	mg/L	1,415.4 %
V 292.402	654.2	0.0014	0.00006	mg/L	0.0014	0.00006	mg/L	4.26 %
Zn 213.857	-924.6	-0.0073	0.00004	mg/L	-0.0073	0.00004	mg/L	0.59 %
Cr 267.716	130.2	0.0004	0.00014	mg/L	0.0004	0.00014	mg/L	34.33 %
Cu 324.752	657.5	0.0015	0.00011	mg/L	0.0015	0.00011	mg/L	7.50 %
Ni 227.022	60.2	0.0016	0.00039	mg/L	0.0016	0.00039	mg/L	23.97 %
K 766.490	1,073.1	0.0036	0.00013	mg/L	0.0036	0.00013	mg/L	3.59 %

Mean Data

ID: 0.005 Irl **Seq. No.:** 17 **A/S Pos:** 10

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:50:42

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,705,652.7	0.998	0.0118	mg/L			mg/L	1.18 %
Y 324.227	2,242,714.1	1.00	0.009	mg/L			mg/L	0.87 %
Sc 361.383	7,406,141.4	0.996	0.0067	mg/L			mg/L	0.67 %
Sc 357.253	3,873,323.0	0.998	0.0067	mg/L			mg/L	0.67 %
Ag 328.068	568.2	0.002	0.0002	mg/L	0.002	0.0002	mg/L	9.30 %
Al 308.215	446.5	0.0100	0.00334	mg/L	0.0100	0.00334	mg/L	33.30 %
Al 396.153	1,393.7	0.0097	0.00058	mg/L	0.0097	0.00058	mg/L	6.05 %
As 188.979	9.2	0.0064	0.00107	mg/L	0.0064	0.00107	mg/L	16.64 %
Ba 493.408	28,490.3	0.0051	0.00005	mg/L	0.0051	0.00005	mg/L	0.97 %
Be 313.107	36,719.9	0.0050	0.00004	mg/L	0.0050	0.00004	mg/L	0.78 %

Ca 317.933	2,734.3	0.0069	0.00097	mg/L	0.0069	0.00097	mg/L	13.94 %
Ca 315.887	1,526.9	0.0071	0.00044	mg/L	0.0071	0.00044	mg/L	6.17 %
Cd 214.440	882.5	0.0033	0.00004	mg/L	0.0033	0.00004	mg/L	1.31 %
Co 228.616	285.1	0.0051	0.00011	mg/L	0.0051	0.00011	mg/L	2.22 %
Fe 238.204	3,982.7	0.0194	0.00033	mg/L	0.0194	0.00033	mg/L	1.68 %
Fe 238.863	1,062.9	0.0197	0.00010	mg/L	0.0197	0.00010	mg/L	0.53 %
Mg 279.077	263.6	0.0070	0.00134	mg/L	0.0070	0.00134	mg/L	19.21 %
Mn 257.610	5,637.1	0.0055	0.00009	mg/L	0.0055	0.00009	mg/L	1.70 %
Na 330.237	-168.6	-0.178	0.0370	mg/L	-0.178	0.0370	mg/L	20.79 %
Pb 220.353	65.1	0.0028	0.00037	mg/L	0.0028	0.00037	mg/L	13.04 %
Sb 206.836	15.5	0.0061	0.00119	mg/L	0.0061	0.00119	mg/L	19.53 %
Se 196.026	9.4	0.0051	0.00196	mg/L	0.0051	0.00196	mg/L	38.19 %
Tl 190.801	14.8	0.0064	0.00034	mg/L	0.0064	0.00034	mg/L	5.34 %
V 292.402	2,605.7	0.0055	0.00011	mg/L	0.0055	0.00011	mg/L	2.01 %
Zn 213.857	-533.2	-0.0042	0.00019	mg/L	-0.0042	0.00019	mg/L	4.58 %
Cr 267.716	1,381.2	0.0042	0.00020	mg/L	0.0042	0.00020	mg/L	4.67 %
Cu 324.752	2,205.4	0.0049	0.00022	mg/L	0.0049	0.00022	mg/L	4.57 %
Ni 227.022	200.3	0.0054	0.00044	mg/L	0.0054	0.00044	mg/L	8.12 %
K 766.490	211.8	0.0007	0.00007	mg/L	0.0007	0.00007	mg/L	9.60 %

Mean Data

ID: 0.010 lrl **Seq. No.:** 18 **A/S Pos:** 11

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 13:55:30

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,673,301.6	0.991	0.0109	mg/L			mg/L	1.10 %
Y 324.227	2,231,277.7	0.995	0.0067	mg/L			mg/L	0.68 %

Sc 361.383	7,380,200.3	0.992	0.0080	mg/L			mg/L	0.80 %
Sc 357.253	3,859,932.0	0.994	0.0074	mg/L			mg/L	0.74 %
Ag 328.068	884.9	0.003	0.0001	mg/L	0.003	0.0001	mg/L	3.46 %
Al 308.215	850.0	0.0191	0.00471	mg/L	0.0191	0.00471	mg/L	24.67 %
Al 396.153	2,388.1	0.0165	0.00038	mg/L	0.0165	0.00038	mg/L	2.29 %
As 188.979	15.7	0.0109	0.00169	mg/L	0.0109	0.00169	mg/L	15.45 %
Ba 493.408	56,541.5	0.0101	0.00017	mg/L	0.0101	0.00017	mg/L	1.66 %
Be 313.107	72,748.8	0.0100	0.00014	mg/L	0.0100	0.00014	mg/L	1.37 %
Ca 317.933	10,776.2	0.0273	0.00198	mg/L	0.0273	0.00198	mg/L	7.26 %
Ca 315.887	5,831.1	0.0270	0.00047	mg/L	0.0270	0.00047	mg/L	1.73 %
Cd 214.440	2,178.4	0.0082	0.00016	mg/L	0.0082	0.00016	mg/L	1.98 %
Co 228.616	535.9	0.0096	0.00012	mg/L	0.0096	0.00012	mg/L	1.30 %
Fe 238.204	2,566.9	0.0125	0.00024	mg/L	0.0125	0.00024	mg/L	1.93 %
Fe 238.863	682.3	0.0126	0.00017	mg/L	0.0126	0.00017	mg/L	1.33 %
Mg 279.077	531.3	0.0140	0.00076	mg/L	0.0140	0.00076	mg/L	5.44 %
Mn 257.610	10,499.8	0.0103	0.00019	mg/L	0.0103	0.00019	mg/L	1.89 %
Na 330.237	-180.6	-0.191	0.1065	mg/L	-0.191	0.1065	mg/L	55.84 %
Pb 220.353	182.3	0.0079	0.00007	mg/L	0.0079	0.00007	mg/L	0.92 %
Sb 206.836	28.6	0.0112	0.00155	mg/L	0.0112	0.00155	mg/L	13.76 %
Se 196.026	14.6	0.0080	0.00078	mg/L	0.0080	0.00078	mg/L	9.74 %
Tl 190.801	21.7	0.0094	0.00076	mg/L	0.0094	0.00076	mg/L	8.11 %
V 292.402	4,983.4	0.0105	0.00013	mg/L	0.0105	0.00013	mg/L	1.29 %
Zn 213.857	154.7	0.0012	0.00019	mg/L	0.0012	0.00019	mg/L	15.70 %

Cr 267.716	3,001.0	0.0092	0.00002	mg/L	0.0092	0.00002	mg/L	0.19 %
Cu 324.752	4,626.9	0.0103	0.00036	mg/L	0.0103	0.00036	mg/L	3.55 %
Ni 227.022	385.1	0.0103	0.00053	mg/L	0.0103	0.00053	mg/L	5.10 %
K 766.490	2,118.2	0.0072	0.00022	mg/L	0.0072	0.00022	mg/L	3.05 %

Mean Data

ID: LCS 1 **Seq. No.:** 33 **A/S Pos:** 2

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 15:08:06

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,647,546.3	0.986	0.0091	mg/L			mg/L	0.93 %
Y 324.227	2,219,159.8	0.990	0.0053	mg/L			mg/L	0.53 %
Sc 361.383	7,376,793.3	0.992	0.0082	mg/L			mg/L	0.83 %
Sc 357.253	3,916,594.1	1.01	0.006	mg/L			mg/L	0.56 %
Ag 328.068	28,311.7	0.103	0.0021	mg/L	0.103	0.0021	mg/L	2.01 %
Al 308.215	4,506.0	0.101	0.0037	mg/L	0.101	0.0037	mg/L	3.70 %
Al 396.153	15,589.7	0.108	0.0020	mg/L	0.108	0.0020	mg/L	1.84 %
As 188.979	156.4	0.109	0.0023	mg/L	0.109	0.0023	mg/L	2.15 %
Ba 493.408	589,832.2	0.105	0.0015	mg/L	0.105	0.0015	mg/L	1.41 %
Be 313.107	750,261.5	0.103	0.0014	mg/L	0.103	0.0014	mg/L	1.37 %
Ca 317.933	2,904,453.6	7.37	0.108	mg/L	7.37	0.108	mg/L	1.46 %
Ca 315.887	1,569,250.0	7.26	0.099	mg/L	7.26	0.099	mg/L	1.36 %
Cd 214.440	26,593.1	0.100	0.0018	mg/L	0.100	0.0018	mg/L	1.82 %
Co 228.616	5,629.5	0.101	0.0011	mg/L	0.101	0.0011	mg/L	1.14 %
Fe 238.204	21,340.9	0.104	0.0017	mg/L	0.104	0.0017	mg/L	1.66 %
Fe 238.863	5,713.7	0.106	0.0017	mg/L	0.106	0.0017	mg/L	1.60 %
Mg 279.077	137,232.5	3.62	0.063	mg/L	3.62	0.063	mg/L	1.75 %

Mn 257.610	106,724.2	0.104	0.0018	mg/L	0.104	0.0018	mg/L	1.72 %
Na 330.237	7,626.4	7.81	0.161	mg/L	7.81	0.161	mg/L	2.06 %
Pb 220.353	2,258.4	0.0983	0.00146	mg/L	0.0983	0.00146	mg/L	1.48 %
Sb 206.836	266.6	0.105	0.0025	mg/L	0.105	0.0025	mg/L	2.38 %
Se 196.026	182.9	0.0999	0.00206	mg/L	0.0999	0.00206	mg/L	2.07 %
Tl 190.801	239.0	0.103	0.0010	mg/L	0.103	0.0010	mg/L	1.01 %
V 292.402	49,411.0	0.104	0.0019	mg/L	0.104	0.0019	mg/L	1.78 %
Zn 213.857	12,345.9	0.0974	0.00202	mg/L	0.0974	0.00202	mg/L	2.08 %
Cr 267.716	32,576.0	0.0996	0.00172	mg/L	0.0996	0.00172	mg/L	1.73 %
Cu 324.752	44,993.9	0.0999	0.00191	mg/L	0.0999	0.00191	mg/L	1.91 %
Ni 227.022	3,842.1	0.103	0.0016	mg/L	0.103	0.0016	mg/L	1.53 %
K 766.490	733,818.6	2.49	0.041	mg/L	2.49	0.041	mg/L	1.66 %

Mean Data

ID: ww 10/20 **Seq. No.:** 48 **A/S Pos:** 42

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:22:11

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,699,379.7	0.997	0.0054	mg/L			mg/L	0.54 %
Y 324.227	2,239,672.5	0.999	0.0028	mg/L			mg/L	0.28 %
Sc 361.383	7,324,167.5	0.985	0.0072	mg/L			mg/L	0.73 %
Sc 357.253	3,859,674.7	0.994	0.0072	mg/L			mg/L	0.73 %
Ag 328.068	526.5	0.002	0.0002	mg/L	0.002	0.0002	mg/L	8.35 %
Al 308.215	457.4	0.0103	0.00593	mg/L	0.0103	0.00593	mg/L	57.75 %
Al 396.153	1,128.7	0.0078	0.00662	mg/L	0.0078	0.00662	mg/L	84.70 %
As 188.979	1.0	0.0007	0.00014	mg/L	0.0007	0.00014	mg/L	19.69 %
Ba 493.408	731.4	0.0001	0.00014	mg/L	0.0001	0.00014	mg/L	106.00 %

Be 313.107	711.2	0.0001	0.00013	mg/L	0.0001	0.00013	mg/L	133.95 %
Ca 317.933	5,041.8	0.0128	0.00987	mg/L	0.0128	0.00987	mg/L	77.18 %
Ca 315.887	2,259.5	0.0104	0.00959	mg/L	0.0104	0.00959	mg/L	91.74 %
Cd 214.440	-513.1	-0.0019	0.00014	mg/L	-0.0019	0.00014	mg/L	7.14 %
Co 228.616	3.7	0.0001	0.00016	mg/L	0.0001	0.00016	mg/L	236.53 %
Fe 238.204	2,802.1	0.0137	0.00881	mg/L	0.0137	0.00881	mg/L	64.41 %
Fe 238.863	625.2	0.0116	0.00630	mg/L	0.0116	0.00630	mg/L	54.43 %
Mg 279.077	390.7	0.0103	0.00626	mg/L	0.0103	0.00626	mg/L	60.70 %
Mn 257.610	163.1	0.0002	0.00008	mg/L	0.0002	0.00008	mg/L	49.36 %
Na 330.237	-401.9	-0.425	0.0491	mg/L	-0.425	0.0491	mg/L	11.55 %
Pb 220.353	-14.1	-0.0006	0.00004	mg/L	-0.0006	0.00004	mg/L	6.08 %
Sb 206.836	-3.6	-0.0014	0.00042	mg/L	-0.0014	0.00042	mg/L	29.85 %
Se 196.026	4.5	0.0025	0.00322	mg/L	0.0025	0.00322	mg/L	130.43 %
Tl 190.801	-2.7	-0.0012	0.00022	mg/L	-0.0012	0.00022	mg/L	18.30 %
V 292.402	506.0	0.0011	0.00002	mg/L	0.0011	0.00002	mg/L	1.66 %
Zn 213.857	-1,150.8	-0.0091	0.00019	mg/L	-0.0091	0.00019	mg/L	2.08 %
Cr 267.716	-707.1	-0.0022	0.00018	mg/L	-0.0022	0.00018	mg/L	8.47 %
Cu 324.752	-394.8	-0.0009	0.00000	mg/L	-0.0009	0.00000	mg/L	0.28 %
Ni 227.022	-14.3	-0.0004	0.00051	mg/L	-0.0004	0.00051	mg/L	132.57 %
K 766.490	5,987.7	0.0203	0.00466	mg/L	0.0203	0.00466	mg/L	22.93 %

Mean Data

ID: LFBw 10/20 x5 Seq. No.: 49 A/S Pos: 43

Sample Qty: g Prep. Vol.: Dilution: : Date: 2009/10/21 16:27:11

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,679,946.9	0.993	0.0058	mg/L			mg/L	0.58 %

Y 324.227	2,229,497.7	0.994	0.0081	mg/L			mg/L	0.81 %
Sc 361.383	7,379,885.8	0.992	0.0048	mg/L			mg/L	0.48 %
Sc 357.253	3,889,788.8	1.00	0.005	mg/L			mg/L	0.47 %
Ag 328.068	14,922.1	0.055	0.0004	mg/L	0.055	0.0004	mg/L	0.69 %
Al 308.215	16,791.0	0.377	0.0031	mg/L	0.377	0.0031	mg/L	0.82 %
Al 396.153	59,166.0	0.410	0.0021	mg/L	0.410	0.0021	mg/L	0.51 %
As 188.979	311.1	0.216	0.0010	mg/L	0.216	0.0010	mg/L	0.48 %
Ba 493.408	2,361,455.4	0.421	0.0030	mg/L	0.421	0.0030	mg/L	0.72 %
Be 313.107	77,431.1	0.0106	0.00007	mg/L	0.0106	0.00007	mg/L	0.67 %
Ca 317.933	420,852.2	1.07	0.003	mg/L	1.07	0.003	mg/L	0.25 %
Ca 315.887	229,906.2	1.06	0.007	mg/L	1.06	0.007	mg/L	0.67 %
Cd 214.440	27,208.8	0.103	0.0009	mg/L	0.103	0.0009	mg/L	0.84 %
Co 228.616	5,879.5	0.105	0.0003	mg/L	0.105	0.0003	mg/L	0.29 %
Fe 238.204	44,243.6	0.216	0.0014	mg/L	0.216	0.0014	mg/L	0.67 %
Fe 238.863	11,717.0	0.217	0.0011	mg/L	0.217	0.0011	mg/L	0.53 %
Mg 279.077	39,247.1	1.04	0.008	mg/L	1.04	0.008	mg/L	0.75 %
Mn 257.610	109,078.3	0.107	0.0007	mg/L	0.107	0.0007	mg/L	0.66 %
Na 330.237	520.8	0.549	0.0195	mg/L	0.549	0.0195	mg/L	3.56 %
Pb 220.353	4,774.6	0.208	0.0014	mg/L	0.208	0.0014	mg/L	0.67 %
Sb 206.836	558.2	0.219	0.0027	mg/L	0.219	0.0027	mg/L	1.24 %
Se 196.026	388.6	0.212	0.0037	mg/L	0.212	0.0037	mg/L	1.75 %
Tl 190.801	476.2	0.206	0.0029	mg/L	0.206	0.0029	mg/L	1.43 %
V 292.402	50,770.1	0.107	0.0008	mg/L	0.107	0.0008	mg/L	0.74 %

Zn 213.857	12,243.3	0.0965	0.00102	mg/L	0.0965	0.00102	mg/L	1.05 %
Cr 267.716	12,862.0	0.0393	0.00043	mg/L	0.0393	0.00043	mg/L	1.09 %
Cu 324.752	22,830.8	0.0507	0.00063	mg/L	0.0507	0.00063	mg/L	1.23 %
Ni 227.022	4,012.1	0.107	0.0010	mg/L	0.107	0.0010	mg/L	0.90 %
K 766.490	286,880.8	0.974	0.0039	mg/L	0.974	0.0039	mg/L	0.40 %

Mean Data

ID: ICVS (3) **Seq. No.:** 50 **A/S Pos:** 5

2009/10/21 16:33:21 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:32:32

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,667,656.9	0.990	0.0102	mg/L				1.03 %
Y 324.227	2,235,191.2	0.997	0.0078	mg/L				0.78 %
Sc 361.383	7,391,086.1	0.994	0.0103	mg/L				1.04 %
Sc 357.253	3,955,478.9	1.02	0.008	mg/L				0.79 %
Ag 328.068	461.4	0.002	0.0002	mg/L	0.002			12.81 %
Al 308.215	113.8	0.0026	0.00388	mg/L	0.0026			151.78 %
Al 396.153	255.1	0.0018	0.00009	mg/L	0.0018			5.16 %
As 188.979	4.9	0.0034	0.00112	mg/L	0.0034			32.85 %
Ba 493.408	512.3	0.0001	0.00010	mg/L	0.0001			105.67 %
Be 313.107	-158.9	0.0000	0.00001	mg/L	0.0000			67.58 %
Ca 317.933	3,934.6	0.0100	0.00145	mg/L	0.0100			14.48 %
Ca 315.887	1,558.4	0.0072	0.00062	mg/L	0.0072			8.58 %
Cd 214.440	-503.4	-0.0019	0.00007	mg/L	-0.0019			3.54 %
Co 228.616	-6.6	-0.0001	0.00014	mg/L	-0.0001			122.40 %
Fe 238.204	689.0	0.0034	0.00012	mg/L	0.0034			3.49 %
Fe 238.863	163.7	0.0030	0.00106	mg/L	0.0030			34.86 %

Mg 279.077	214.2	0.0057	0.00132	mg/L	0.0057	23.30 %
Mn 257.610	82.6	0.0001	0.00003	mg/L	0.0001	41.16 %
Na 330.237	4,652.9	4.82	0.081	mg/L	4.82	1.68 %
Pb 220.353	-42.1	-0.0018	0.00024	mg/L	-0.0018	13.32 %
Sb 206.836	-2.3	-0.0009	0.00095	mg/L	-0.0009	105.79 %
Se 196.026	2.4	0.0013	0.00032	mg/L	0.0013	24.78 %
Tl 190.801	-0.9	-0.0004	0.00290	mg/L	-0.0004	723.61 %
V 292.402	490.4	0.0010	0.00008	mg/L	0.0010	7.94 %
Zn 213.857	-1,375.5	-0.0108	0.00003	mg/L	-0.0108	0.27 %
Cr 267.716	-535.9	-0.0016	0.00008	mg/L	-0.0016	4.82 %
Cu 324.752	-285.9	-0.0006	0.00014	mg/L	-0.0006	21.78 %
Ni 227.022	21.3	0.0006	0.00012	mg/L	0.0006	20.41 %
K 766.490	1,492,064.1	5.06	0.055	mg/L	5.06	1.08 %

2009/10/21 16:33:20 QC value within limits for K 766.490 Recovery = 101.29%

Mean Data

ID: CCVS **Seq. No.:** 51 **A/S Pos:** 3

2009/10/21 16:38:16 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:37:28

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,672,660.1	0.991	0.0022	mg/L				0.22 %
Y 324.227	2,220,109.8	0.990	0.0011	mg/L				0.11 %
Sc 361.383	7,416,805.1	0.997	0.0080	mg/L				0.81 %
Sc 357.253	3,910,181.5	1.01	0.008	mg/L				0.81 %
Ag 328.068	27,737.8	0.101	0.0002	mg/L	0.101			0.22 %

2009/10/21 16:38:15 QC value within limits for Ag 328.068 Recovery = 101.37%

Al 308.215	20,589.4	0.462	0.0020	mg/L	0.462	0.43 %
Al 396.153	72,761.1	0.504	0.0019	mg/L	0.504	0.37 %

2009/10/21 16:38:15 QC value within limits for Al 396.153 Recovery = 100.78%

As 188.979	735.9	0.511	0.0035	mg/L	0.511	0.68 %

2009/10/21 16:38:15 QC value within limits for As 188.979 Recovery = 102.29%

Ba 493.408	2,843,324.7	0.507	0.0029	mg/L	0.507	0.57 %
2009/10/21 16:38:15 QC value within limits for Ba 493.408 Recovery = 101.42%						
Be 313.107	3,672,014.9	0.505	0.0030	mg/L	0.505	0.59 %
2009/10/21 16:38:15 QC value within limits for Be 313.107 Recovery = 100.93%						
Ca 317.933	200,147.0	0.508	0.0021	mg/L	0.508	0.42 %
2009/10/21 16:38:15 QC value within limits for Ca 317.933 Recovery = 101.54%						
Ca 315.887	107,617.3	0.498	0.0019	mg/L	0.498	0.37 %
Cd 214.440	133,213.0	0.503	0.0020	mg/L	0.503	0.41 %
2009/10/21 16:38:15 QC value within limits for Cd 214.440 Recovery = 100.63%						
Co 228.616	28,395.2	0.508	0.0009	mg/L	0.508	0.17 %
2009/10/21 16:38:15 QC value within limits for Co 228.616 Recovery = 101.66%						
Fe 238.204	103,995.2	0.508	0.0027	mg/L	0.508	0.53 %
2009/10/21 16:38:15 QC value within limits for Fe 238.204 Recovery = 101.56%						
Fe 238.863	27,941.6	0.518	0.0029	mg/L	0.518	0.57 %
Mg 279.077	19,788.3	0.522	0.0010	mg/L	0.522	0.19 %
2009/10/21 16:38:15 QC value within limits for Mg 279.077 Recovery = 104.50%						
Mn 257.610	521,258.2	0.509	0.0020	mg/L	0.509	0.38 %
2009/10/21 16:38:15 QC value within limits for Mn 257.610 Recovery = 101.89%						
Na 330.237	-1,554.3	-1.65	0.072	mg/L	-1.65	4.34 %
Pb 220.353	11,339.7	0.494	0.0018	mg/L	0.494	0.37 %
2009/10/21 16:38:15 QC value within limits for Pb 220.353 Recovery = 98.73%						
Sb 206.836	1,285.8	0.505	0.0053	mg/L	0.505	1.04 %
2009/10/21 16:38:15 QC value within limits for Sb 206.836 Recovery = 100.95%						
Se 196.026	926.2	0.506	0.0081	mg/L	0.506	1.60 %
2009/10/21 16:38:15 QC value within limits for Se 196.026 Recovery = 101.18%						
Tl 190.801	1,146.7	0.496	0.0038	mg/L	0.496	0.76 %
2009/10/21 16:38:15 QC value within limits for Tl 190.801 Recovery = 99.28%						
V 292.402	239,601.9	0.504	0.0023	mg/L	0.504	0.45 %
2009/10/21 16:38:15 QC value within limits for V 292.402 Recovery = 100.74%						
Zn 213.857	62,361.6	0.492	0.0028	mg/L	0.492	0.58 %
2009/10/21 16:38:15 QC value within limits for Zn 213.857 Recovery = 98.35%						
Cr 267.716	159,624.1	0.488	0.0022	mg/L	0.488	0.45 %
2009/10/21 16:38:15 QC value within limits for Cr 267.716 Recovery = 97.57%						
Cu 324.752	224,625.5	0.4987	0.00282	mg/L	0.4987	0.56 %
2009/10/21 16:38:15 QC value within limits for Cu 324.752 Recovery = 99.74%						
Ni 227.022	19,041.7	0.510	0.0004	mg/L	0.510	0.09 %
2009/10/21 16:38:15 QC value within limits for Ni 227.022 Recovery = 101.99%						
K 766.490	4,518.4	0.0153	0.00153	mg/L	0.0153	10.01 %

Mean Data

ID: CCB **Seq. No.:** 52 **A/S Pos:** 7

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:42:17

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD

Y 371.029	4,703,318.4	0.998	0.0096	mg/L		0.96 %
Y 324.227	2,239,847.3	0.999	0.0102	mg/L		1.02 %
Sc 361.383	7,416,035.3	0.997	0.0120	mg/L		1.20 %
Sc 357.253	3,908,763.3	1.01	0.012	mg/L		1.17 %
Ag 328.068	491.7	0.002	0.0001	mg/L	0.002	3.81 %
Al 308.215	-54.4	-0.0012	0.00343	mg/L	-0.0012	280.62 %
2009/10/21 16:43:05 QC value within limits for Al 308.215 Recovery = Not calculated						
Al 396.153	-42.8	-0.0003	0.00009	mg/L	-0.0003	32.02 %
2009/10/21 16:43:05 QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979	4.0	0.0028	0.00071	mg/L	0.0028	25.38 %
2009/10/21 16:43:05 QC value within limits for As 188.979 Recovery = Not calculated						
Ba 493.408	363.2	0.0001	0.00007	mg/L	0.0001	104.79 %
2009/10/21 16:43:05 QC value within limits for Ba 493.408 Recovery = Not calculated						
Be 313.107	835.1	0.0001	0.00009	mg/L	0.0001	79.74 %
2009/10/21 16:43:05 QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933	-149.5	-0.0004	0.00066	mg/L	-0.0004	174.58 %
2009/10/21 16:43:05 QC value within limits for Ca 317.933 Recovery = Not calculated						
Ca 315.887	-501.4	-0.0023	0.00007	mg/L	-0.0023	3.10 %
Cd 214.440	-516.2	-0.0019	0.00005	mg/L	-0.0019	2.60 %
2009/10/21 16:43:05 QC value within limits for Cd 214.440 Recovery = Not calculated						
Co 228.616	-1.2	0.0000	0.00008	mg/L	0.0000	393.99 %
2009/10/21 16:43:05 QC value within limits for Co 228.616 Recovery = Not calculated						
Fe 238.204	65.1	0.0003	0.00026	mg/L	0.0003	82.31 %
2009/10/21 16:43:05 QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 238.863	10.2	0.0002	0.00062	mg/L	0.0002	330.25 %
Mg 279.077	167.9	0.0044	0.00141	mg/L	0.0044	31.83 %
2009/10/21 16:43:05 QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610	150.4	0.0001	0.00004	mg/L	0.0001	28.64 %
2009/10/21 16:43:05 QC value within limits for Mn 257.610 Recovery = Not calculated						
Na 330.237	-258.0	-0.273	0.0291	mg/L	-0.273	10.67 %
2009/10/21 16:43:05 QC value within limits for Na 330.237 Recovery = Not calculated						
Pb 220.353	-35.3	-0.0015	0.00002	mg/L	-0.0015	1.24 %
2009/10/21 16:43:05 QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836	3.8	0.0015	0.00083	mg/L	0.0015	56.02 %
2009/10/21 16:43:05 QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026	5.1	0.0028	0.00361	mg/L	0.0028	129.56 %
2009/10/21 16:43:05 QC value within limits for Se 196.026 Recovery = Not calculated						
Tl 190.801	-3.2	-0.0014	0.00070	mg/L	-0.0014	50.22 %
2009/10/21 16:43:05 QC value within limits for Tl 190.801 Recovery = Not calculated						

V 292.402	525.5	0.0011	0.00020	mg/L	0.0011	17.94 %
2009/10/21 16:43:05 QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857	-1,418.5	-0.0112	0.00012	mg/L	-0.0112	1.11 %
2009/10/21 16:43:05 QC value less than the lower limit for Zn 213.857 Recovery = Not calculated						
Cr 267.716	-518.1	-0.0016	0.00009	mg/L	-0.0016	5.75 %
2009/10/21 16:43:05 QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752	-123.8	-0.0003	0.00022	mg/L	-0.0003	80.68 %
2009/10/21 16:43:05 QC value within limits for Cu 324.752 Recovery = Not calculated						
Ni 227.022	0.7	0.0000	0.00006	mg/L	0.0000	354.35 %
2009/10/21 16:43:05 QC value within limits for Ni 227.022 Recovery = Not calculated						
K 766.490	844.8	0.0029	0.00018	mg/L	0.0029	6.14 %
2009/10/21 16:43:05 QC value within limits for K 766.490 Recovery = Not calculated						

Mean Data

ID: 4393.00 **Seq. No.:** 53 **A/S Pos:** 44

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:47:05

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,646,281.2	0.985	0.0113	mg/L			mg/L	1.15 %
Y 324.227	2,161,905.9	0.964	0.0345	mg/L			mg/L	3.57 %
Sc 361.383	7,358,270.1	0.989	0.0066	mg/L			mg/L	0.67 %
Sc 357.253	3,889,844.8	1.00	0.007	mg/L			mg/L	0.65 %
Ag 328.068	481.8	0.002	0.0001	mg/L	0.002	0.0001	mg/L	8.44 %
Al 308.215	7,988.9	0.179	0.0045	mg/L	0.179	0.0045	mg/L	2.53 %
Al 396.153	29,039.2	0.201	0.0028	mg/L	0.201	0.0028	mg/L	1.41 %
As 188.979	2.9	0.0020	0.00214	mg/L	0.0020	0.00214	mg/L	106.43 %
Ba 493.408	5,110.5	0.0009	0.00001	mg/L	0.0009	0.00001	mg/L	1.30 %
Be 313.107	-49.9	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	218.06 %
Ca 317.933	727,690.3	1.85	0.027	mg/L	1.85	0.027	mg/L	1.46 %
Ca 315.887	396,698.9	1.83	0.029	mg/L	1.83	0.029	mg/L	1.60 %
Cd 214.440	-516.2	-0.0019	0.00006	mg/L	-0.0019	0.00006	mg/L	3.23 %
Co 228.616	20.3	0.0004	0.00012	mg/L	0.0004	0.00012	mg/L	32.94 %
Fe 238.204	34,983.6	0.171	0.0024	mg/L	0.171	0.0024	mg/L	1.41 %

Fe 238.863	9,180.4	0.170	0.0007	mg/L	0.170	0.0007	mg/L	0.42 %
Mg 279.077	5,084.1	0.134	0.0025	mg/L	0.134	0.0025	mg/L	1.87 %
Mn 257.610	4,270.5	0.0042	0.00006	mg/L	0.0042	0.00006	mg/L	1.45 %
Na 330.237	81,803.6	67.8	0.73	mg/L	67.8	0.73	mg/L	1.07 %
Pb 220.353	-19.9	-0.0009	0.00026	mg/L	-0.0009	0.00026	mg/L	29.53 %
Sb 206.836	-2.8	-0.0011	0.00042	mg/L	-0.0011	0.00042	mg/L	38.47 %
Se 196.026	-1.5	-0.0008	0.00141	mg/L	-0.0008	0.00141	mg/L	177.00 %
Tl 190.801	-1.1	-0.0005	0.00199	mg/L	-0.0005	0.00199	mg/L	432.87 %
V 292.402	616.5	0.0013	0.00010	mg/L	0.0013	0.00010	mg/L	7.93 %
Zn 213.857	2,753.9	0.0217	0.00041	mg/L	0.0217	0.00041	mg/L	1.89 %
Cr 267.716	-477.4	-0.0015	0.00008	mg/L	-0.0015	0.00008	mg/L	5.77 %
Cu 324.752	2,578.3	0.0057	0.00033	mg/L	0.0057	0.00033	mg/L	5.74 %
Ni 227.022	53.4	0.0014	0.00039	mg/L	0.0014	0.00039	mg/L	27.13 %
K 766.490	78,462.5	0.266	0.0059	mg/L	0.266	0.0059	mg/L	2.20 %

Mean Data

ID: WM 4397.00 **Seq. No.:** 54 **A/S Pos:** 45

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 16:52:01

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,654,261.1	0.987	0.0029	mg/L			mg/L	0.30 %
Y 324.227	2,212,227.4	0.986	0.0064	mg/L			mg/L	0.65 %
Sc 361.383	7,334,515.3	0.986	0.0033	mg/L			mg/L	0.33 %
Sc 357.253	3,874,278.5	0.998	0.0034	mg/L			mg/L	0.34 %
Ag 328.068	562.8	0.002	0.0002	mg/L	0.002	0.0002	mg/L	7.91 %
Al 308.215	5,216.2	0.117	0.0014	mg/L	0.117	0.0014	mg/L	1.22 %
Al 396.153	18,100.6	0.125	0.0011	mg/L	0.125	0.0011	mg/L	0.84 %

As 188.979	1.3	0.0009	0.00256	mg/L	0.0009	0.00256	mg/L	284.17 %
Ba 493.408	101,715.2	0.0181	0.00008	mg/L	0.0181	0.00008	mg/L	0.46 %
Be 313.107	-264.0	0.0000	0.00000	mg/L	0.0000	0.00000	mg/L	3.17 %
Ca 317.933	4,513,334.3	11.4	0.13	mg/L	11.4	0.13	mg/L	1.14 %
Ca 315.887	2,478,813.2	11.5	0.06	mg/L	11.5	0.06	mg/L	0.49 %
Cd 214.440	-482.3	-0.0018	0.00007	mg/L	-0.0018	0.00007	mg/L	3.87 %
Co 228.616	29.6	0.0005	0.00001	mg/L	0.0005	0.00001	mg/L	2.83 %
Fe 238.204	237,441.3	1.16	0.007	mg/L	1.16	0.007	mg/L	0.60 %
Fe 238.863	62,173.6	1.15	0.007	mg/L	1.15	0.007	mg/L	0.59 %
Mg 279.077	152,337.4	4.02	0.023	mg/L	4.02	0.023	mg/L	0.57 %
Mn 257.610	23,364.8	0.0228	0.00019	mg/L	0.0228	0.00019	mg/L	0.82 %
Na 330.237	30,753.6	29.1	0.17	mg/L	29.1	0.17	mg/L	0.57 %
Pb 220.353	24.5	0.0011	0.00084	mg/L	0.0011	0.00084	mg/L	78.30 %
Sb 206.836	-2.8	-0.0011	0.00182	mg/L	-0.0011	0.00182	mg/L	163.24 %
Se 196.026	2.0	0.0011	0.00242	mg/L	0.0011	0.00242	mg/L	215.80 %
Tl 190.801	-4.6	-0.0020	0.00090	mg/L	-0.0020	0.00090	mg/L	45.29 %
V 292.402	612.3	0.0013	0.00006	mg/L	0.0013	0.00006	mg/L	4.96 %
Zn 213.857	13,152.4	0.104	0.0008	mg/L	0.104	0.0008	mg/L	0.73 %
Cr 267.716	15.5	0.0000	0.00005	mg/L	0.0000	0.00005	mg/L	109.52 %
Cu 324.752	92,867.8	0.2062	0.00133	mg/L	0.2062	0.00133	mg/L	0.65 %
Ni 227.022	191.0	0.0051	0.00016	mg/L	0.0051	0.00016	mg/L	3.09 %
K 766.490	1,263,559.3	4.29	0.028	mg/L	4.29	0.028	mg/L	0.64 %

Mean Data

ID: WMD 4397.00 Seq. No.: 55 A/S Pos: 46

Sample Qty: g Prep. Vol.: Dilution: : Date: 2009/10/21 16:56:39

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,665,521.9	0.990	0.0093	mg/L			mg/L	0.94 %
Y 324.227	2,223,924.5	0.992	0.0088	mg/L			mg/L	0.89 %
Sc 361.383	7,414,658.6	0.997	0.0056	mg/L			mg/L	0.56 %
Sc 357.253	3,871,698.1	0.998	0.0053	mg/L			mg/L	0.53 %
Ag 328.068	584.3	0.002	0.0001	mg/L	0.002	0.0001	mg/L	4.06 %
Al 308.215	4,895.8	0.110	0.0017	mg/L	0.110	0.0017	mg/L	1.57 %
Al 396.153	17,337.5	0.120	0.0005	mg/L	0.120	0.0005	mg/L	0.43 %
As 188.979	4.1	0.0029	0.00103	mg/L	0.0029	0.00103	mg/L	35.92 %
Ba 493.408	106,199.9	0.0189	0.00024	mg/L	0.0189	0.00024	mg/L	1.25 %
Be 313.107	-257.2	0.0000	0.00001	mg/L	0.0000	0.00001	mg/L	31.92 %
Ca 317.933	4,489,853.3	11.4	0.16	mg/L	11.4	0.16	mg/L	1.39 %
Ca 315.887	2,449,110.8	11.3	0.16	mg/L	11.3	0.16	mg/L	1.37 %
Cd 214.440	-482.8	-0.0018	0.00004	mg/L	-0.0018	0.00004	mg/L	2.36 %
Co 228.616	42.5	0.0008	0.00025	mg/L	0.0008	0.00025	mg/L	33.28 %
Fe 238.204	225,882.9	1.10	0.010	mg/L	1.10	0.010	mg/L	0.89 %
Fe 238.863	59,245.5	1.10	0.011	mg/L	1.10	0.011	mg/L	0.97 %
Mg 279.077	151,759.9	4.01	0.030	mg/L	4.01	0.030	mg/L	0.75 %
Mn 257.610	28,438.9	0.0278	0.00023	mg/L	0.0278	0.00023	mg/L	0.81 %
Na 330.237	30,659.9	29.0	0.08	mg/L	29.0	0.08	mg/L	0.29 %
Pb 220.353	16.8	0.0007	0.00033	mg/L	0.0007	0.00033	mg/L	45.34 %
Sb 206.836	-2.6	-0.0010	0.00144	mg/L	-0.0010	0.00144	mg/L	143.35 %

Se 196.026	3.8	0.0021	0.00508	mg/L	0.0021	0.00508	mg/L	243.82 %
Tl 190.801	-4.3	-0.0019	0.00233	mg/L	-0.0019	0.00233	mg/L	125.08 %
V 292.402	606.9	0.0013	0.00004	mg/L	0.0013	0.00004	mg/L	2.94 %
Zn 213.857	12,476.4	0.0984	0.00105	mg/L	0.0984	0.00105	mg/L	1.07 %
Cr 267.716	-29.3	-0.0001	0.00012	mg/L	-0.0001	0.00012	mg/L	136.71 %
Cu 324.752	91,403.5	0.2029	0.00087	mg/L	0.2029	0.00087	mg/L	0.43 %
Ni 227.022	178.6	0.0048	0.00022	mg/L	0.0048	0.00022	mg/L	4.59 %
K 766.490	1,252,071.0	4.25	0.058	mg/L	4.25	0.058	mg/L	1.36 %

Mean Data

ID: WMS 4397.00 **Seq. No.:** 56 **A/S Pos:** 47

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 17:01:54

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,563,273.9	0.968	0.0070	mg/L			mg/L	0.72 %
Y 324.227	2,182,246.7	0.973	0.0041	mg/L			mg/L	0.42 %
Sc 361.383	7,298,917.5	0.981	0.0065	mg/L			mg/L	0.66 %
Sc 357.253	3,857,903.5	0.994	0.0060	mg/L			mg/L	0.60 %
Ag 328.068	23,937.9	0.087	0.0009	mg/L	0.087	0.0009	mg/L	1.00 %
Al 308.215	891,085.8	20.0	0.15	mg/L	20.0	0.15	mg/L	0.76 %
Al 396.153	3,258,858.8	22.6	0.27	mg/L	22.6	0.27	mg/L	1.19 %
As 188.979	597.6	0.415	0.0041	mg/L	0.415	0.0041	mg/L	0.98 %
Ba 493.408	2,318,864.6	0.414	0.0045	mg/L	0.414	0.0045	mg/L	1.10 %
Be 313.107	2,987,243.4	0.411	0.0038	mg/L	0.411	0.0038	mg/L	0.92 %
Ca 317.933	12,845,281.3	32.6	0.33	mg/L	32.6	0.33	mg/L	1.01 %
Ca 315.887	6,982,513.8	32.3	0.34	mg/L	32.3	0.34	mg/L	1.04 %
Cd 214.440	103,600.4	0.391	0.0027	mg/L	0.391	0.0027	mg/L	0.69 %

Co 228.616	21,976.0	0.393	0.0041	mg/L	0.393	0.0041	mg/L	1.05 %
Fe 238.204	4,461,760.3	21.8	0.17	mg/L	21.8	0.17	mg/L	0.78 %
Fe 238.863	1,178,077.5	21.8	0.17	mg/L	21.8	0.17	mg/L	0.80 %
Mg 279.077	902,779.4	23.8	0.17	mg/L	23.8	0.17	mg/L	0.69 %
Mn 257.610	435,942.2	0.426	0.0032	mg/L	0.426	0.0032	mg/L	0.74 %
Na 330.237	36,821.4	34.2	0.25	mg/L	34.2	0.25	mg/L	0.73 %
Pb 220.353	8,590.3	0.374	0.0041	mg/L	0.374	0.0041	mg/L	1.10 %
Sb 206.836	558.3	0.219	0.0021	mg/L	0.219	0.0021	mg/L	0.97 %
Se 196.026	752.1	0.411	0.0073	mg/L	0.411	0.0073	mg/L	1.77 %
Tl 190.801	884.0	0.383	0.0061	mg/L	0.383	0.0061	mg/L	1.59 %
V 292.402	189,997.8	0.399	0.0031	mg/L	0.399	0.0031	mg/L	0.77 %
Zn 213.857	65,532.0	0.517	0.0043	mg/L	0.517	0.0043	mg/L	0.82 %
Cr 267.716	124,344.7	0.380	0.0027	mg/L	0.380	0.0027	mg/L	0.71 %
Cu 324.752	277,480.3	0.6161	0.00520	mg/L	0.6161	0.00520	mg/L	0.84 %
Ni 227.022	14,770.9	0.396	0.0042	mg/L	0.396	0.0042	mg/L	1.06 %
K 766.490	3,115,054.0	10.6	0.13	mg/L	10.6	0.13	mg/L	1.18 %

Mean Data

ID: 4399..00 **Seq. No.:** 57 **A/S Pos:** 48

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 17:07:16

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,616,752.6	0.979	0.0025	mg/L			mg/L	0.25 %
Y 324.227	2,201,986.1	0.982	0.0025	mg/L			mg/L	0.25 %
Sc 361.383	7,300,149.0	0.982	0.0040	mg/L			mg/L	0.40 %
Sc 357.253	3,841,271.2	0.990	0.0055	mg/L			mg/L	0.55 %
Ag 328.068	561.9	0.002	0.0001	mg/L	0.002	0.0001	mg/L	3.81 %

Al 308.215	13,959.8	0.313	0.0045	mg/L	0.313	0.0045	mg/L	1.44 %
Al 396.153	49,012.0	0.339	0.0061	mg/L	0.339	0.0061	mg/L	1.79 %
As 188.979	9.3	0.0064	0.00217	mg/L	0.0064	0.00217	mg/L	33.68 %
Ba 493.408	399,969.8	0.0713	0.00020	mg/L	0.0713	0.00020	mg/L	0.28 %
Be 313.107	583.2	0.0001	0.00014	mg/L	0.0001	0.00014	mg/L	178.68 %
Ca 317.933	31,152,726.3	79.0	0.38	mg/L	79.0	0.38	mg/L	0.49 %
Ca 315.887	17,029,818.8	78.8	0.37	mg/L	78.8	0.37	mg/L	0.47 %
Cd 214.440	-495.4	-0.0019	0.00010	mg/L	-0.0019	0.00010	mg/L	5.33 %
Co 228.616	52.7	0.0009	0.00024	mg/L	0.0009	0.00024	mg/L	25.32 %
Fe 238.204	367,338.1	1.79	0.005	mg/L	1.79	0.005	mg/L	0.27 %
Fe 238.863	96,441.7	1.79	0.003	mg/L	1.79	0.003	mg/L	0.19 %
Mg 279.077	486,698.3	12.9	0.06	mg/L	12.9	0.06	mg/L	0.49 %
Mn 257.610	356,646.7	0.349	0.0021	mg/L	0.349	0.0021	mg/L	0.60 %
Na 330.237	18,590.6	18.3	0.10	mg/L	18.3	0.10	mg/L	0.56 %
Pb 220.353	71.7	0.0031	0.00035	mg/L	0.0031	0.00035	mg/L	11.22 %
Sb 206.836	-1.0	-0.0004	0.00089	mg/L	-0.0004	0.00089	mg/L	234.29 %
Se 196.026	8.9	0.0049	0.00336	mg/L	0.0049	0.00336	mg/L	68.81 %
Tl 190.801	-9.3	-0.0040	0.00191	mg/L	-0.0040	0.00191	mg/L	47.70 %
V 292.402	1,761.0	0.0037	0.00012	mg/L	0.0037	0.00012	mg/L	3.34 %
Zn 213.857	2,884.2	0.0227	0.00010	mg/L	0.0227	0.00010	mg/L	0.46 %
Cr 267.716	280.4	0.0009	0.00009	mg/L	0.0009	0.00009	mg/L	10.42 %
Cu 324.752	4,162.4	0.0092	0.00025	mg/L	0.0092	0.00025	mg/L	2.72 %
Ni 227.022	123.6	0.0033	0.00013	mg/L	0.0033	0.00013	mg/L	4.08 %

K 766.490	3,689,953.4	12.5	0.06	mg/L	12.5	0.06	mg/L	0.46 %

Mean Data

ID: ICVS (2) **Seq. No.:** 67 **A/S Pos:** 4

2009/10/21 17:55:45 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 17:54:56

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,714,816.2	1.000	0.0049	mg/L				0.49 %
Y 324.227	2,220,466.4	0.990	0.0036	mg/L				0.37 %
Sc 361.383	7,451,577.6	1.00	0.005	mg/L				0.54 %
Sc 357.253	3,941,406.7	1.02	0.005	mg/L				0.53 %
Ag 328.068	589.8	0.002	0.0001	mg/L	0.002			6.51 %
Al 308.215	14.0	0.0003	0.00146	mg/L	0.0003			463.95 %
Al 396.153	224.2	0.0016	0.00017	mg/L	0.0016			11.04 %
As 188.979	7,555.5	5.25	0.071	mg/L	5.25			1.34 %
Ba 493.408	1,113.7	0.0002	0.00000	mg/L	0.0002			1.26 %
Be 313.107	150.7	0.0000	0.00001	mg/L	0.0000			29.84 %
Ca 317.933	1,971,464.9	5.00	0.042	mg/L	5.00			0.84 %
2009/10/21 17:55:44 QC value within limits for Ca 317.933 Recovery = 100.02%								
Ca 315.887	1,077,013.7	4.98	0.037	mg/L	4.98			0.74 %
Cd 214.440	1,335,565.0	5.04	0.038	mg/L	5.04			0.75 %
Co 228.616	19.1	0.0003	0.00004	mg/L	0.0003			11.19 %
Fe 238.204	1,054,134.7	5.15	0.044	mg/L	5.15			0.85 %
2009/10/21 17:55:44 QC value within limits for Fe 238.204 Recovery = 102.94%								
Fe 238.863	277,311.3	5.14	0.047	mg/L	5.14			0.92 %
Mg 279.077	192,364.5	5.08	0.038	mg/L	5.08			0.75 %
2009/10/21 17:55:44 QC value within limits for Mg 279.077 Recovery = 101.58%								
Mn 257.610	372.0	0.0004	0.00003	mg/L	0.0004			8.95 %
Na 330.237	-13,567.9	-15.3	0.05	mg/L	-15.3			0.35 %
Pb 220.353	115,389.1	5.02	0.039	mg/L	5.02			0.78 %

Sb 206.836	-0.5	-0.0002	0.00084	mg/L	-0.0002	445.73 %
Se 196.026	9,570.8	5.23	0.077	mg/L	5.23	1.48 %
Tl 190.801	11,762.6	5.09	0.065	mg/L	5.09	1.27 %
V 292.402	344.5	0.0007	0.00006	mg/L	0.0007	8.60 %
Zn 213.857	640,252.7	5.05	0.038	mg/L	5.05	0.74 %
Cr 267.716	-377.1	-0.0012	0.00004	mg/L	-0.0012	3.77 %
Cu 324.752	2,309,483.6	5.128	0.0340	mg/L	5.128	0.66 %
Ni 227.022	140.9	0.0038	0.00056	mg/L	0.0038	14.86 %
K 766.490	1,151.2	0.0039	0.00061	mg/L	0.0039	15.65 %

Mean Data

ID: ICVS (3) **Seq. No.:** 68 **A/S Pos:** 5

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 17:59:42

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,704,205.2	0.998	0.0102	mg/L				1.02 %
Y 324.227	2,230,337.8	0.995	0.0016	mg/L				0.16 %
Sc 361.383	7,421,202.8	0.998	0.0110	mg/L				1.10 %
Sc 357.253	3,968,115.2	1.02	0.001	mg/L				0.15 %
Ag 328.068	516.6	0.002	0.0002	mg/L	0.002			11.02 %
Al 308.215	-53.4	-0.0012	0.00260	mg/L	-0.0012			217.08 %
Al 396.153	155.0	0.0011	0.00052	mg/L	0.0011			48.54 %
As 188.979	14.5	0.0101	0.00170	mg/L	0.0101			16.85 %
Ba 493.408	68.0	0.0000	0.00001	mg/L	0.0000			55.13 %
Be 313.107	-194.0	0.0000	0.00001	mg/L	0.0000			50.49 %
Ca 317.933	3,606.9	0.0091	0.00027	mg/L	0.0091			2.98 %
Ca 315.887	1,721.0	0.0080	0.00101	mg/L	0.0080			12.67 %

Cd 214.440	-162.5	-0.0006	0.00079	mg/L	-0.0006	128.37 %
Co 228.616	-3.0	-0.0001	0.00007	mg/L	-0.0001	130.12 %
Fe 238.204	1,185.8	0.0058	0.00131	mg/L	0.0058	22.70 %
Fe 238.863	328.5	0.0061	0.00160	mg/L	0.0061	26.30 %
Mg 279.077	195.3	0.0052	0.00056	mg/L	0.0052	10.86 %
Mn 257.610	45.5	0.0000	0.00001	mg/L	0.0000	14.02 %
Na 330.237	4,506.3	4.67	0.073	mg/L	4.67	1.57 %
Pb 220.353	41.1	0.0018	0.00127	mg/L	0.0018	70.85 %
Sb 206.836	-4.6	-0.0018	0.00102	mg/L	-0.0018	56.68 %
Se 196.026	22.8	0.0125	0.00340	mg/L	0.0125	27.28 %
Tl 190.801	22.9	0.0099	0.00397	mg/L	0.0099	40.07 %
V 292.402	456.9	0.0010	0.00003	mg/L	0.0010	3.48 %
Zn 213.857	-947.0	-0.0075	0.00128	mg/L	-0.0075	17.19 %
Cr 267.716	-638.1	-0.0020	0.00006	mg/L	-0.0020	3.28 %
Cu 324.752	1,760.6	0.0039	0.00143	mg/L	0.0039	36.67 %
Ni 227.022	14.1	0.0004	0.00009	mg/L	0.0004	23.74 %
K 766.490	1,480,198.7	5.02	0.082	mg/L	5.02	1.64 %

2009/10/21 18:00:30 QC value within limits for K 766.490 Recovery = 100.48%

Mean Data

ID: CCVS **Seq. No.:** 69 **A/S Pos:** 3

2009/10/21 18:05:25 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 18:04:36

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,696,645.0	0.996	0.0056	mg/L				0.57 %
Y 324.227	2,238,350.3	0.998	0.0030	mg/L				0.30 %
Sc 361.383	7,443,726.1	1.00	0.013	mg/L				1.31 %
Sc 357.253	3,993,486.1	1.03	0.007	mg/L				0.67 %

Ag 328.068	28,034.4	0.102	0.0007	mg/L	0.102	0.70 %
2009/10/21 18:05:24	QC value within limits for Ag 328.068 Recovery = 102.45%					
Al 308.215	20,678.6	0.464	0.0045	mg/L	0.464	0.96 %
Al 396.153	73,249.3	0.507	0.0041	mg/L	0.507	0.81 %
2009/10/21 18:05:24	QC value within limits for Al 396.153 Recovery = 101.46%					
As 188.979	742.0	0.516	0.0065	mg/L	0.516	1.25 %
2009/10/21 18:05:24	QC value within limits for As 188.979 Recovery = 103.13%					
Ba 493.408	2,838,869.2	0.506	0.0043	mg/L	0.506	0.85 %
2009/10/21 18:05:24	QC value within limits for Ba 493.408 Recovery = 101.26%					
Be 313.107	3,656,458.6	0.503	0.0053	mg/L	0.503	1.05 %
2009/10/21 18:05:24	QC value within limits for Be 313.107 Recovery = 100.51%					
Ca 317.933	200,336.7	0.508	0.0047	mg/L	0.508	0.92 %
2009/10/21 18:05:24	QC value within limits for Ca 317.933 Recovery = 101.64%					
Ca 315.887	108,337.7	0.501	0.0038	mg/L	0.501	0.76 %
Cd 214.440	133,992.3	0.506	0.0037	mg/L	0.506	0.73 %
2009/10/21 18:05:24	QC value within limits for Cd 214.440 Recovery = 101.22%					
Co 228.616	28,489.5	0.510	0.0032	mg/L	0.510	0.62 %
2009/10/21 18:05:24	QC value within limits for Co 228.616 Recovery = 102.00%					
Fe 238.204	104,472.7	0.510	0.0042	mg/L	0.510	0.81 %
2009/10/21 18:05:24	QC value within limits for Fe 238.204 Recovery = 102.02%					
Fe 238.863	28,029.5	0.519	0.0045	mg/L	0.519	0.87 %
Mg 279.077	19,895.7	0.525	0.0031	mg/L	0.525	0.60 %
2009/10/21 18:05:24	QC value within limits for Mg 279.077 Recovery = 105.07%					
Mn 257.610	524,939.2	0.513	0.0036	mg/L	0.513	0.71 %
2009/10/21 18:05:24	QC value within limits for Mn 257.610 Recovery = 102.61%					
Na 330.237	-1,591.2	-1.69	0.041	mg/L	-1.69	2.40 %
Pb 220.353	11,407.6	0.497	0.0020	mg/L	0.497	0.40 %
2009/10/21 18:05:24	QC value within limits for Pb 220.353 Recovery = 99.33%					
Sb 206.836	1,285.0	0.504	0.0069	mg/L	0.504	1.37 %
2009/10/21 18:05:24	QC value within limits for Sb 206.836 Recovery = 100.89%					
Se 196.026	929.1	0.507	0.0114	mg/L	0.507	2.25 %
2009/10/21 18:05:24	QC value within limits for Se 196.026 Recovery = 101.49%					
Tl 190.801	1,135.9	0.492	0.0034	mg/L	0.492	0.69 %
2009/10/21 18:05:24	QC value within limits for Tl 190.801 Recovery = 98.34%					
V 292.402	241,208.9	0.507	0.0039	mg/L	0.507	0.77 %
2009/10/21 18:05:24	QC value within limits for V 292.402 Recovery = 101.41%					
Zn 213.857	62,603.9	0.494	0.0034	mg/L	0.494	0.68 %
2009/10/21 18:05:24	QC value within limits for Zn 213.857 Recovery = 98.74%					
Cr 267.716	159,755.0	0.488	0.0040	mg/L	0.488	0.81 %
2009/10/21 18:05:24	QC value within limits for Cr 267.716 Recovery = 97.65%					
Cu 324.752	226,833.3	0.5036	0.00460	mg/L	0.5036	0.91 %
2009/10/21 18:05:24	QC value within limits for Cu 324.752 Recovery = 100.72%					

Ni 227.022	19,092.1	0.511	0.0031	mg/L	0.511	0.60 %
2009/10/21 18:05:24	QC value within limits for Ni 227.022 Recovery = 102.26%					
K 766.490	2,681.5	0.0091	0.00106	mg/L	0.0091	11.60 %

Mean Data

ID: CCB | Seq. No.: 70 | A/S Pos: 7

Sample Qty: g | Prep. Vol.: | Dilution: : | Date: 2009/10/21 18:09:26

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,746,160.9	1.01	0.010	mg/L				0.97 %
Y 324.227	2,237,576.1	0.998	0.0142	mg/L				1.43 %
Sc 361.383	7,462,092.1	1.00	0.012	mg/L				1.18 %
Sc 357.253	3,946,826.9	1.02	0.012	mg/L				1.18 %
Ag 328.068	556.2	0.002	0.0001	mg/L	0.002			6.33 %
Al 308.215	-156.7	-0.0035	0.00206	mg/L	-0.0035			58.57 %
2009/10/21 18:10:14	QC value within limits for Al 308.215 Recovery = Not calculated							
Al 396.153	-45.9	-0.0003	0.00049	mg/L	-0.0003			154.17 %
2009/10/21 18:10:14	QC value within limits for Al 396.153 Recovery = Not calculated							
As 188.979	6.5	0.0045	0.00251	mg/L	0.0045			55.79 %
2009/10/21 18:10:14	QC value within limits for As 188.979 Recovery = Not calculated							
Ba 493.408	473.5	0.0001	0.00007	mg/L	0.0001			82.25 %
2009/10/21 18:10:14	QC value within limits for Ba 493.408 Recovery = Not calculated							
Be 313.107	822.0	0.0001	0.00006	mg/L	0.0001			52.70 %
2009/10/21 18:10:14	QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933	-636.1	-0.0016	0.00072	mg/L	-0.0016			44.93 %
2009/10/21 18:10:14	QC value within limits for Ca 317.933 Recovery = Not calculated							
Ca 315.887	-401.4	-0.0019	0.00053	mg/L	-0.0019			28.72 %
Cd 214.440	-496.7	-0.0019	0.00003	mg/L	-0.0019			1.46 %
2009/10/21 18:10:14	QC value within limits for Cd 214.440 Recovery = Not calculated							
Co 228.616	1.6	0.0000	0.00007	mg/L	0.0000			265.99 %
2009/10/21 18:10:14	QC value within limits for Co 228.616 Recovery = Not calculated							
Fe 238.204	47.5	0.0002	0.00011	mg/L	0.0002			45.85 %
2009/10/21 18:10:14	QC value within limits for Fe 238.204 Recovery = Not calculated							
Fe 238.863	44.9	0.0008	0.00056	mg/L	0.0008			66.97 %
Mg 279.077	174.2	0.0046	0.00065	mg/L	0.0046			14.19 %
2009/10/21 18:10:14	QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610	135.9	0.0001	0.00004	mg/L	0.0001			26.97 %
2009/10/21 18:10:14	QC value within limits for Mn 257.610 Recovery = Not calculated							
Na 330.237	-256.0	-0.271	0.0026	mg/L	-0.271			0.97 %
2009/10/21 18:10:14	QC value within limits for Na 330.237 Recovery = Not calculated							

Pb 220.353	-9.9	-0.0004	0.00023	mg/L	-0.0004	53.49 %
2009/10/21 18:10:14 QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836	2.9	0.0012	0.00075	mg/L	0.0012	65.21 %
2009/10/21 18:10:14 QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026	9.9	0.0054	0.00112	mg/L	0.0054	20.74 %
2009/10/21 18:10:14 QC value within limits for Se 196.026 Recovery = Not calculated						
Tl 190.801	4.6	0.0020	0.00356	mg/L	0.0020	178.17 %
2009/10/21 18:10:14 QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402	539.6	0.0011	0.00010	mg/L	0.0011	8.96 %
2009/10/21 18:10:14 QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857	-1,445.2	-0.0114	0.00010	mg/L	-0.0114	0.91 %
2009/10/21 18:10:14 QC value less than the lower limit for Zn 213.857 Recovery = Not calculated						
Cr 267.716	-609.1	-0.0019	0.00012	mg/L	-0.0019	6.49 %
2009/10/21 18:10:14 QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752	20.3	0.0000	0.00008	mg/L	0.0000	181.08 %
2009/10/21 18:10:14 QC value within limits for Cu 324.752 Recovery = Not calculated						
Ni 227.022	-12.4	-0.0003	0.00035	mg/L	-0.0003	106.55 %
2009/10/21 18:10:14 QC value within limits for Ni 227.022 Recovery = Not calculated						
K 766.490	-469.8	-0.0016	0.00038	mg/L	-0.0016	24.09 %
2009/10/21 18:10:14 QC value within limits for K 766.490 Recovery = Not calculated						

Mean Data

ID: ICS (B) **Seq. No.:** 71 **A/S Pos:** 13

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 18:14:21

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,740,511.7	1.01	0.009	mg/L				0.94 %
Y 324.227	2,252,883.8	1.00	0.005	mg/L				0.50 %
Sc 361.383	7,431,490.9	0.999	0.0076	mg/L				0.76 %
Sc 357.253	3,933,105.5	1.01	0.008	mg/L				0.74 %
Ag 328.068	288,099.5	1.053	0.0081	mg/L	1.053			0.77 %
Al 308.215	43.4	0.0010	0.00110	mg/L	0.0010			113.17 %
Al 396.153	456.3	0.0032	0.00012	mg/L	0.0032			3.74 %
As 188.979	0.0	0.0000	0.00058	mg/L	0.0000			9,781.0 %
Ba 493.408	2,858,748.9	0.510	0.0075	mg/L	0.510			1.46 %
2009/10/21 18:15:09 QC value within limits for Ba 493.408 Recovery = 101.97%								
Be 313.107	3,655,362.4	0.502	0.0072	mg/L	0.502			1.44 %
2009/10/21 18:15:09 QC value within limits for Be 313.107 Recovery = 100.48%								
Ca 317.933	2,936.7	0.0074	0.00083	mg/L	0.0074			11.20 %

Ca 315.887	1,296.7	0.0060	0.00080	mg/L	0.0060	13.26 %
Cd 214.440	270,694.5	1.02	0.006	mg/L	1.02	0.61 %
2009/10/21 18:15:09 QC value within limits for Cd 214.440 Recovery = 102.24%						
Co 228.616	28,301.2	0.507	0.0032	mg/L	0.507	0.64 %
2009/10/21 18:15:09 QC value within limits for Co 228.616 Recovery = 101.33%						
Fe 238.204	375.1	0.0018	0.00011	mg/L	0.0018	6.16 %
Fe 238.863	716.5	0.0133	0.00116	mg/L	0.0133	8.73 %
Mg 279.077	73.7	0.0019	0.00084	mg/L	0.0019	43.28 %
Mn 257.610	534,564.4	0.522	0.0059	mg/L	0.522	1.13 %
2009/10/21 18:15:09 QC value within limits for Mn 257.610 Recovery = 104.49%						
Na 330.237	-2,996.8	-3.21	0.050	mg/L	-3.21	1.56 %
Pb 220.353	23,115.9	1.01	0.007	mg/L	1.01	0.72 %
2009/10/21 18:15:09 QC value within limits for Pb 220.353 Recovery = 100.63%						
Sb 206.836	2.2	0.0008	0.00108	mg/L	0.0008	128.07 %
Se 196.026	6.8	0.0037	0.00181	mg/L	0.0037	48.90 %
Tl 190.801	2.5	0.0011	0.00084	mg/L	0.0011	76.29 %
V 292.402	243,581.8	0.512	0.0024	mg/L	0.512	0.46 %
2009/10/21 18:15:09 QC value within limits for V 292.402 Recovery = 102.41%						
Zn 213.857	129,023.3	1.02	0.006	mg/L	1.02	0.56 %
2009/10/21 18:15:09 QC value within limits for Zn 213.857 Recovery = 101.75%						
Cr 267.716	159,583.7	0.488	0.0021	mg/L	0.488	0.43 %
2009/10/21 18:15:09 QC value within limits for Cr 267.716 Recovery = 97.54%						
Cu 324.752	225,641.8	0.5010	0.00256	mg/L	0.5010	0.51 %
2009/10/21 18:15:09 QC value within limits for Cu 324.752 Recovery = 100.19%						
Ni 227.022	38,014.2	1.02	0.006	mg/L	1.02	0.63 %
2009/10/21 18:15:09 QC value within limits for Ni 227.022 Recovery = 101.80%						
K 766.490	-821.7	-0.0028	0.00017	mg/L	-0.0028	6.01 %

Mean Data

ID: ICS (AB) **Seq. No.:** 72 **A/S Pos:** 14

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 18:20:13

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,088,503.2	0.867	0.0022	mg/L				0.25 %
Y 324.227	1,966,650.3	0.877	0.0022	mg/L				0.25 %
Sc 361.383	6,879,065.1	0.925	0.0219	mg/L				2.36 %

Sc 357.253	3,586,566.7	0.924	0.0142	mg/L		1.54 %
Ag 328.068	308,384.8	1.127	0.0090	mg/L	1.127	0.80 %
Al 308.215	22,053,301.0	495	2.4	mg/L	495	0.48 %
2009/10/21 18:20:58 QC value within limits for Al 308.215 Recovery = 98.99%						
Al 396.153						%
As 188.979	8.1	0.0056	0.00378	mg/L	0.0056	67.27 %
Ba 493.408	2,946,131.4	0.525	0.0007	mg/L	0.525	0.13 %
2009/10/21 18:20:58 QC value within limits for Ba 493.408 Recovery = 105.09%						
Be 313.107	3,812,374.8	0.524	0.0020	mg/L	0.524	0.38 %
2009/10/21 18:20:58 QC value within limits for Be 313.107 Recovery = 104.79%						
Ca 317.933						%
Ca 315.887						%
2009/10/21 18:20:58 Unable to evaluate QC.						
Cd 214.440	259,410.2	0.980	0.0037	mg/L	0.980	0.37 %
2009/10/21 18:20:58 QC value within limits for Cd 214.440 Recovery = 97.98%						
Co 228.616	26,777.3	0.479	0.0011	mg/L	0.479	0.24 %
2009/10/21 18:20:58 QC value within limits for Co 228.616 Recovery = 95.87%						
Fe 238.204	32,076,055.8	157	0.6	mg/L	157	0.37 %
Fe 238.863	9,934,981.2	184	0.8	mg/L	184	0.45 %
2009/10/21 18:20:58 QC value within limits for Fe 238.863 Recovery = 92.00%						
Mg 279.077	18,657,013.1	493	1.9	mg/L	493	0.38 %
2009/10/21 18:20:58 QC value within limits for Mg 279.077 Recovery = 98.52%						
Mn 257.610	546,452.9	0.534	0.0021	mg/L	0.534	0.40 %
2009/10/21 18:20:58 QC value within limits for Mn 257.610 Recovery = 106.82%						
Na 330.237	-2,700.2	-2.88	0.092	mg/L	-2.88	3.20 %
Pb 220.353	20,231.4	0.881	0.0047	mg/L	0.881	0.54 %
2009/10/21 18:20:58 QC value within limits for Pb 220.353 Recovery = 88.08%						
Sb 206.836	66.8	0.0262	0.00128	mg/L	0.0262	4.88 %
Se 196.026	-117.2	-0.0640	0.00236	mg/L	-0.0640	3.69 %
Tl 190.801	-28.7	-0.0124	0.00082	mg/L	-0.0124	6.60 %
V 292.402	247,665.2	0.521	0.0023	mg/L	0.521	0.43 %
2009/10/21 18:20:58 QC value within limits for V 292.402 Recovery = 104.13%						
Zn 213.857	135,887.6	1.07	0.005	mg/L	1.07	0.48 %
2009/10/21 18:20:58 QC value within limits for Zn 213.857 Recovery = 107.16%						
Cr 267.716	158,318.2	0.484	0.0018	mg/L	0.484	0.36 %
2009/10/21 18:20:58 QC value within limits for Cr 267.716 Recovery = 96.77%						

Cu 324.752	258,545.8	0.5740	0.00330	mg/L	0.5740	0.57 %
2009/10/21 18:20:58 QC value within limits for Cu 324.752 Recovery = 114.81%						
Ni 227.022	34,086.5	0.913	0.0042	mg/L	0.913	0.46 %
2009/10/21 18:20:58 QC value within limits for Ni 227.022 Recovery = 91.29%						
K 766.490	8,263.7	0.0280	0.00055	mg/L	0.0280	1.95 %

Mean Data

ID: 20 **Seq. No.:** 73 **A/S Pos:** 15

2009/10/21 18:26:59 All analyte(s) passed QC.

Sample Qty: g **Prep. Vol.:** **Dilution:** : **Date:** 2009/10/21 18:26:32

Analyte	Corr. Intensity	Conc (Calib)	Std. Dev.	Calib Units	Conc (Sample)	Std. Dev.	Sample Units	RSD
Y 371.029	4,583,122.2	0.972	0.0046	mg/L				0.47 %
Y 324.227	2,233,018.9	0.996	0.0042	mg/L				0.42 %
Sc 361.383	7,424,460.7	0.998	0.0194	mg/L				1.94 %
Sc 357.253	3,908,030.7	1.01	0.011	mg/L				1.09 %
Ag 328.068	2,888.4	0.011	0.0012	mg/L	0.011			11.84 %
Al 308.215	881,762.9	19.8	0.02	mg/L	19.8			0.11 %
2009/10/21 18:26:57 QC value within limits for Al 308.215 Recovery = 98.95%								
Al 396.153	3,244,850.4	22.5	0.03	mg/L	22.5			0.14 %
As 188.979	29,617.2	20.6	0.17	mg/L	20.6			0.82 %
2009/10/21 18:26:57 QC value within limits for As 188.979 Recovery = 102.91%								
Ba 493.408								%
Be 313.107								%
Ca 317.933	7,857,748.0	19.9	0.10	mg/L	19.9			0.49 %
2009/10/21 18:26:57 QC value within limits for Ca 317.933 Recovery = 99.66%								
Ca 315.887	4,281,653.9	19.8	0.02	mg/L	19.8			0.08 %
2009/10/21 18:26:57 QC value within limits for Ca 315.887 Recovery = 99.00%								
Cd 214.440	4,932,322.5	18.6	0.03	mg/L	18.6			0.19 %
Co 228.616	1,109,968.3	19.9	0.02	mg/L	19.9			0.10 %
2009/10/21 18:26:57 QC value within limits for Co 228.616 Recovery = 99.35%								
Fe 238.204	4,010,671.4	19.6	0.02	mg/L	19.6			0.13 %
2009/10/21 18:26:57 QC value within limits for Fe 238.204 Recovery = 97.91%								
Fe 238.863	1,091,549.0	20.2	0.03	mg/L	20.2			0.14 %
2009/10/21 18:26:57 QC value within limits for Fe 238.863 Recovery = 101.09%								
Mg 279.077	760,939.2	20.1	0.02	mg/L	20.1			0.12 %
2009/10/21 18:26:57 QC value within limits for Mg 279.077 Recovery = 100.46%								
Mn 257.610	19,533,163.6	19.1	0.07	mg/L	19.1			0.36 %
2009/10/21 18:26:57 QC value within limits for Mn 257.610 Recovery = 95.46%								

Na 330.237	-57,587.9	-106	1.1	mg/L	-106	1.07 %
Pb 220.353	449,741.0	19.6	0.03	mg/L	19.6	0.15 %
2009/10/21 18:26:57 QC value within limits for Pb 220.353 Recovery = 97.90%						
Sb 206.836	-381.8	-0.150	0.0063	mg/L	-0.150	4.20 %
Se 196.026	37,926.1	20.7	0.18	mg/L	20.7	0.85 %
Tl 190.801	46,734.5	20.2	0.15	mg/L	20.2	0.75 %
2009/10/21 18:26:57 QC value within limits for Tl 190.801 Recovery = 101.15%						
V 292.402	9,515,870.1	20.0	0.07	mg/L	20.0	0.37 %
2009/10/21 18:26:57 QC value within limits for V 292.402 Recovery = 100.02%						
Zn 213.857	2,406,772.6	19.0	0.03	mg/L	19.0	0.16 %
2009/10/21 18:26:57 QC value within limits for Zn 213.857 Recovery = 94.90%						
Cr 267.716	6,237,064.7	19.1	0.02	mg/L	19.1	0.08 %
2009/10/21 18:26:57 QC value within limits for Cr 267.716 Recovery = 95.31%						
Cu 324.752	9,291,774.8	20.63	0.113	mg/L	20.63	0.55 %
Ni 227.022	734,414.9	19.7	0.02	mg/L	19.7	0.11 %
2009/10/21 18:26:57 QC value within limits for Ni 227.022 Recovery = 98.34%						
K 766.490	17,081.0	0.0580	0.00025	mg/L	0.0580	0.42 %

EPA 245.2

10/21/09

Calculated and reported by A. Abbate

ample Information File C:\AAUSER\SAMPINFO\050102.SIF

escription : 102109
atch ID : 102109
olume Units : L
eight Units : mg
nalyst : A. Abbtae
ample Volume : 0.50

AS oc	Sample ID	Sample Weight	Sample Units	User Dilution	Remarks
0	rinse				
1	CAL. BLK.				
2	0.5				
3	1.0				
4	3.0				
5	5.0				
6	8.0				
7	QC 4.0				
8	0.25 mdl				
9	LFB 4.0				
10	NYSDOH Amp 2706				
11	NYSDOH Amp 2706 dp				
12	Amp 2706 spike = 4ppb				
13	294399.00				
14	294408.00 x4				
15	294411.01				
16	294411.02				
17					
18					
19					
20					
21					
22					
23					
24					
25					

Element: Hg Seq. No.: 1 AS Loc.: 0 Date: 10/21/2009
Sample ID: rinse

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0020	0.0167	0.0020	02:37:04	Yes
2			0.0018	0.0127	0.0018	02:37:43	Yes
3			0.0015	0.0118	0.0015	02:38:22	Yes
Mean:			0.0018				
SD :			0.0002				
%RSD:			12.9607				

Element: Hg Seq. No.: 2 AS Loc.: 1 Date: 10/21/2009
Sample ID: CAL. BLK.

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0016	0.0151	0.0016	02:39:56	Yes
2			0.0012	0.0098	0.0012	02:40:35	Yes
3			0.0016	0.0127	0.0016	02:41:15	Yes
Mean:			0.0015				
SD :			0.0003				
%RSD:			17.3209				

Element: Hg Seq. No.: 3 AS Loc.: 5 Date: 10/21/2009
Sample ID: 5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0469	0.1848	0.0469	02:42:53	Yes
2			0.0472	0.1845	0.0472	02:43:32	Yes
3			0.0476	0.1830	0.0476	02:44:11	Yes
Mean:			0.0472				
SD :			0.0004				
%RSD:			0.7723				

Element: Hg Seq. No.: 4 AS Loc.: 7 Date: 10/21/2009
Sample ID: QC 4.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0390	0.1567	0.0390	02:45:52	Yes
2			0.0385	0.1469	0.0385	02:46:31	Yes
3			0.0388	0.1450	0.0388	02:47:10	Yes
Mean:			0.0388				
SD :			0.0002				
%RSD:			0.5732				

Method Name: Mercury
Method Description: Mercury
Element: Hg

Date: 10/21/2009
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: 050102.SIF Results Data Set Name: 102109

Element: Hg Seq. No.: 5 AS Loc.: 1 Date: 10/21/2009
Sample ID: Calib Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0005	-0.0009	0.0005	02:52:38	Yes
2			0.0005	-0.0022	0.0005	02:53:17	Yes
3			0.0004	-0.0032	0.0004	02:53:56	Yes
Mean:			0.0004				
SD :			0.0001				
%RSD:			13.8787				

Auto-zero performed.

Element: Hg Seq. No.: 6 AS Loc.: 8 Date: 10/21/2009
Sample ID: 0.25

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0028	0.0060	0.0032	02:55:36	Yes
2			0.0027	0.0048	0.0032	02:56:15	Yes
3			0.0028	0.0053	0.0033	02:56:55	Yes
Mean:			0.0028				
SD :			0.0000				
%RSD:			1.7476				

[Hg] Standard number 1 applied. [0.250]
Correlation Coefficient: 1.00000 Slope: 0.01111

Element: Hg Seq. No.: 7 AS Loc.: 2 Date: 10/21/2009
Sample ID: 0.50

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0048	0.0109	0.0052	02:58:35	Yes
2			0.0048	0.0109	0.0053	02:59:14	Yes
3			0.0049	0.0114	0.0053	02:59:53	Yes
Mean:			0.0048				
SD :			0.0001				
%RSD:			1.0323				

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.98400 Slope: 0.01001

Element: Hg Seq. No.: 8 AS Loc.: 3 Date: 10/21/2009
Sample ID: 1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0091	0.0238	0.0095	03:01:31	Yes
2			0.0093	0.0243	0.0097	03:02:10	Yes
3			0.0091	0.0242	0.0095	03:02:49	Yes
Mean:			0.0091				
SD :			0.0001				

%RSD: 1.2986
[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99480 Slope: 0.00937

Element: Hg Seq. No.: 9 AS Loc.: 4 Date: 10/21/2009
Sample ID: 3.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0281	0.0961	0.0285	03:04:28	Yes
2			0.0282	0.0951	0.0286	03:05:08	Yes
3			0.0284	0.0972	0.0289	03:05:48	Yes
Mean:			0.0282				
SD :			0.0002				
%RSD:			0.6929				

[Hg] Standard number 4 applied. [3.000]
Correlation Coefficient: 0.99967 Slope: 0.00941

Element: Hg Seq. No.: 10 AS Loc.: 5 Date: 10/21/2009
Sample ID: 5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0471	0.1698	0.0475	03:07:28	Yes
2			0.0461	0.1661	0.0465	03:08:08	Yes
3			0.0452	0.1655	0.0456	03:08:47	Yes
Mean:			0.0461				
SD :			0.0009				
%RSD:			1.9935				

[Hg] Standard number 5 applied. [5.000]
Correlation Coefficient: 0.99982 Slope: 0.00928

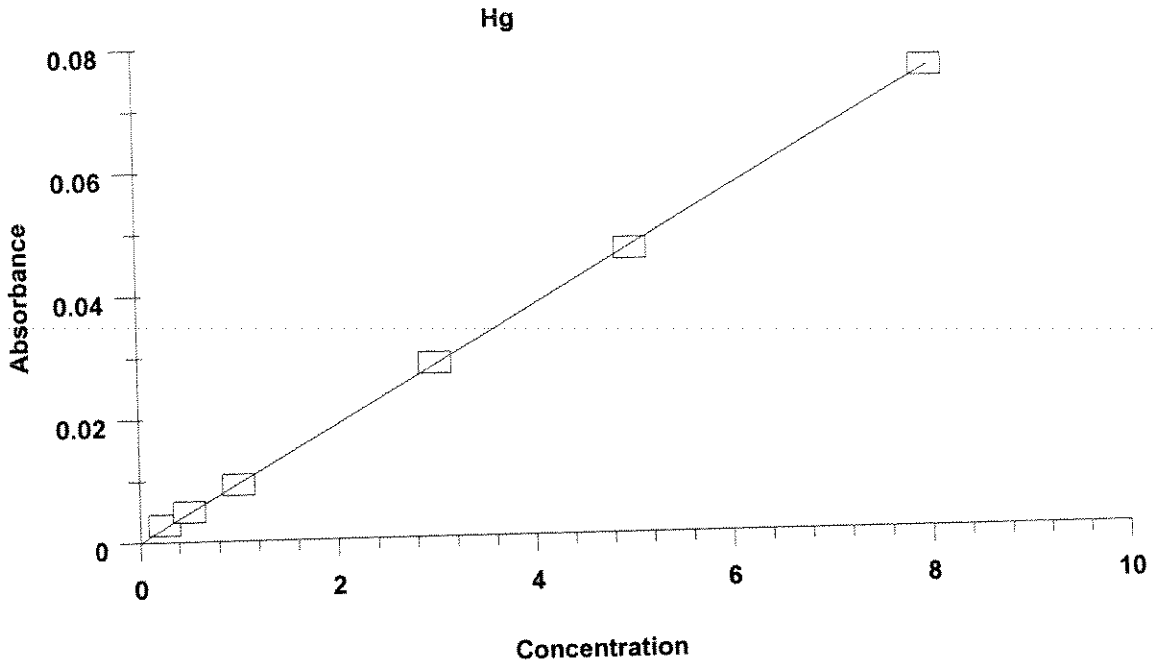
Element: Hg Seq. No.: 11 AS Loc.: 6 Date: 10/21/2009
Sample ID: 8.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0751	0.2783	0.0755	03:10:27	Yes
2			0.0746	0.2810	0.0750	03:11:06	Yes
3			0.0746	0.2817	0.0750	03:11:45	Yes
Mean:			0.0747				
SD :			0.0003				
%RSD:			0.3937				

[Hg] Standard number 6 applied. [8.000]
Correlation Coefficient: 0.99993 Slope: 0.00932

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0004	---	----	----	----
0.25	0.0028	0.250	0.298	0.0000	1.7
0.50	0.0048	0.500	0.520	0.0000	1.0
1.0	0.0091	1.000	0.981	0.0001	1.3
3.0	0.0282	3.000	3.029	0.0002	0.7
5.0	0.0461	5.000	4.949	0.0009	2.0
8.0	0.0747	8.000	8.019	0.0003	0.4
Correlation Coefficient: 0.99993		Slope:	0.00932	----	


Hg
0.08
0.06
0.04
0.02
0
Absorbance
0
2
4
6
8
10
Concentration

Element: Hg Seq. No.: 12 AS Loc.: 1 Date: 10/21/2009
Sample ID: Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001	0.001	0.0000	-0.0005	0.0004	03:16:09	Yes
2	0.008	0.008	0.0001	-0.0001	0.0005	03:16:48	Yes
3	0.000	0.000	0.0000	-0.0011	0.0004	03:17:27	Yes
Mean:	0.003	0.003	0.0000				
SD :	0.0040	0.0040	0.0000				
%RSD:	138.2	138.2	138.2382				

QC value within specified limits.

Element: Hg Seq. No.: 13 AS Loc.: 7 Date: 10/21/2009
Sample ID: QC 4.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.097	4.097	0.0382	0.1430	0.0386	03:19:09	Yes
2	4.179	4.179	0.0389	0.1411	0.0394	03:19:48	Yes
3	4.115	4.115	0.0384	0.1407	0.0388	03:20:27	Yes
Mean:	4.130	4.130	0.0385				
SD :	0.0428	0.0428	0.0004				
%RSD:	1.0	1.0	1.0374				

QC value within specified limits.

Element: Hg Seq. No.: 14 AS Loc.: 5 Date: 10/21/2009
Sample ID: ICVS 5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.101	5.101	0.0475	0.1776	0.0480	03:22:07	Yes
2	5.168	5.168	0.0482	0.1785	0.0486	03:22:46	Yes
3	5.092	5.092	0.0475	0.1779	0.0479	03:23:25	Yes
Mean:	5.120	5.120	0.0477				
SD :	0.0414	0.0414	0.0004				
%RSD:	0.8	0.8	0.8094				

QC value within specified limits.

Element: Hg Seq. No.: 15 AS Loc.: 8 Date: 10/21/2009
Sample ID: 0.25 mdl

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.332	0.332	0.0031	0.0117	0.0035	03:25:08	Yes
2	0.338	0.338	0.0032	0.0125	0.0036	03:25:47	Yes
3	0.343	0.343	0.0032	0.0129	0.0036	03:26:26	Yes
Mean:	0.338	0.338	0.0031				
SD :	0.0054	0.0054	0.0000				
%RSD:	1.6	1.6	1.5868				

Element: Hg Seq. No.: 16 AS Loc.: 9 Date: 10/21/2009
Sample ID: LFB 4.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.148	4.148	0.0387	0.1448	0.0391	03:28:06	Yes
2	4.168	4.168	0.0388	0.1465	0.0393	03:28:45	Yes
3	4.136	4.136	0.0385	0.1447	0.0390	03:29:24	Yes
Mean:	4.151	4.151	0.0387				
SD :	0.0163	0.0163	0.0002				
%RSD:	0.4	0.4	0.3925				

Element: Hg Seq. No.: 17 AS Loc.: 10 Date: 10/21/2009
Sample ID: NYSDOH Amp 2706

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.478	2.478	0.0231	0.0881	0.0235	03:30:59	Yes
2	2.498	2.498	0.0233	0.0898	0.0237	03:31:38	Yes
3	2.500	2.500	0.0233	0.0908	0.0237	03:32:17	Yes
Mean:	2.492	2.492	0.0232				
SD :	0.0123	0.0123	0.0001				
%RSD:	0.5	0.5	0.4940				

Element: Hg Seq. No.: 18 AS Loc.: 11 Date: 10/21/2009
Sample ID: NYSDOH Amp 2706 dp

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.577	2.577	0.0240	0.0914	0.0244	03:33:54	Yes
2	2.601	2.601	0.0242	0.0913	0.0247	03:34:33	Yes
3	2.619	2.619	0.0244	0.0916	0.0248	03:35:13	Yes
Mean:	2.599	2.599	0.0242				
SD :	0.0210	0.0210	0.0002				
%RSD:	0.8	0.8	0.8094				

Element: Hg Seq. No.: 19 AS Loc.: 12 Date: 10/21/2009
Sample ID: Amp 2706 spike = 4ppb

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.661	6.661	0.0621	0.2317	0.0625	03:36:51	Yes
2	6.641	6.641	0.0619	0.2314	0.0623	03:37:30	Yes
3	6.638	6.638	0.0619	0.2276	0.0623	03:38:10	Yes
Mean:	6.646	6.646	0.0619				
SD :	0.0125	0.0125	0.0001				
%RSD:	0.2	0.2	0.1880				

103.8% recovery

Element: Hg Seq. No.: 20 AS Loc.: 13 Date: 10/21/2009
Sample ID: 294399.00

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.030	0.030	0.0003	0.0032	0.0007	03:39:47	Yes
2	0.038	0.038	0.0004	0.0036	0.0008	03:40:26	Yes
3	0.023	0.023	0.0002	0.0019	0.0006	03:41:05	Yes
Mean:	0.030	0.030	0.0003				
SD :	0.0073	0.0073	0.0001				
%RSD:	24.1	24.1	24.1427				

Element: Hg Seq. No.: 21 AS Loc.: 14 Date: 10/21/2009
Sample ID: 294408.00 x4

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.146	0.146	0.0014	0.0066	0.0018	03:42:44	Yes
2	0.149	0.149	0.0014	0.0069	0.0018	03:43:23	Yes
3	0.146	0.146	0.0014	0.0068	0.0018	03:44:02	Yes
Mean:	0.147	0.147	0.0014				
SD :	0.0022	0.0022	0.0000				
%RSD:	1.5	1.5	1.4646				

Element: Hg Seq. No.: 22 AS Loc.: 15 Date: 10/21/2009
Sample ID: 294411.01

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.040	0.040	0.0004	0.0033	0.0008	03:45:41	Yes
2	0.033	0.033	0.0003	0.0029	0.0007	03:46:20	Yes
3	0.034	0.034	0.0003	0.0028	0.0007	03:46:59	Yes
Mean:	0.036	0.036	0.0003				
SD :	0.0038	0.0038	0.0000				
%RSD:	10.7	10.7	10.6553				

Element: Hg Seq. No.: 23 AS Loc.: 16 Date: 10/21/2009
Sample ID: 294411.02

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.031	0.031	0.0003	0.0028	0.0007	03:48:40	Yes
2	0.032	0.032	0.0003	0.0023	0.0007	03:49:19	Yes
3	0.034	0.034	0.0003	0.0031	0.0007	03:49:58	Yes
Mean:	0.032	0.032	0.0003				
SD :	0.0016	0.0016	0.0000				
%RSD:	4.9	4.9	4.9442				

Element: Hg Seq. No.: 24 AS Loc.: 1 Date: 10/21/2009
Sample ID: Blank

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.016	0.016	0.0001	0.0020	0.0006	03:51:39	Yes
2	0.018	0.018	0.0002	0.0022	0.0006	03:52:19	Yes
3	0.021	0.021	0.0002	0.0030	0.0006	03:52:58	Yes
Mean:	0.018	0.018	0.0002				
SD :	0.0028	0.0028	0.0000				
%RSD:	15.1	15.1	15.0964				

QC value within specified limits.

Element: Hg Seq. No.: 25 AS Loc.: 4 Date: 10/21/2009
Sample ID: CCVS 3.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.116	3.116	0.0290	0.1089	0.0295	03:54:36	Yes
2	3.117	3.117	0.0291	0.1094	0.0295	03:55:15	Yes
3	3.145	3.145	0.0293	0.1091	0.0297	03:55:55	Yes
Mean:	3.126	3.126	0.0291				
SD :	0.0163	0.0163	0.0002				
%RSD:	0.5	0.5	0.5223				

QC value within specified limits.

GENERAL CHEMISTRY QC DELIVERABLES

CONFORMANCE / NON-CONFORMANCE SUMMARY

Wet Chemistry

Ammonia (SM4500NH3D)

QC Package for Sample Batch : 294399.00

< QC criteria were met for the following unless otherwise stated :

* Method Blank
* Duplicate RPD
* Spike % Recoveries
* Reference Sample
* Holding Time (SW846)
* Laboratory Control Standard

NYSDEC - ASP
3
BLANKS

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Prepa-ration Blank	C	M
									0.000		4500NH3D
Ammonia	0.000										

FORM III - IN

NYSDEC - ASP

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.: 294399

Matrix (soil/water): water Level (low/med):Low

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg wet weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Ammonia	75-125	320.00		227.50		100.00	92.5		4500NH3D

Comments:

_____

_____

_____

_____

FORM V (PART 1) - IN

NYSDEC - ASP
6
DUPLICATES

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case No :_____ SAS No.: _____ SDG No.: 294399

Martix (soil/water) : water Level (low/med):

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Ammonia		227.50		210.00		8.0		4500NH3D

FORM VI - IN

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: ECOTEST LABORATORY　　Contract: ______

Lab Code: ______　　Case Code: ______　　SAS No.: ______　　SDG No.: 294399

Instrument ID Number: SPEC 20　　LCS Source: ERA

Concentration Units: ug/L

	Aqueous (ug/L)			Solid (mg/Kg)					
Analyte	TRUE	Found	%R	TRUE	Found	C	Limits		%R
Ammonia	294.0	295.0	100.3						

FORM VII - IN

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Instrument ID Number: Method: Ammonia (SM4500NH3D)

Start Date: 10/20/09 End Date: 10/20/09

NYSDEC Sample No.	D/F	Time	%R	Analytes NH3
0.05 STD				X
0.10 STD				X
0.20 STD				X
0.30 STD				X
0.50 STD				X
QC				X
zzzzzz				
zzzzzz				
zzzzzz				
zzzzzz				
zzzzzz				
zzzzzz				
4399.00				X
zzzzzz				
zzzzzzdp				X
zzzzzzsp				
zzzzzzdpsp				X

FORM XIV - IN

RAW DATA
SM4500NH3D
10/20/09

NH_3 - Probe

NH_3 - Prok

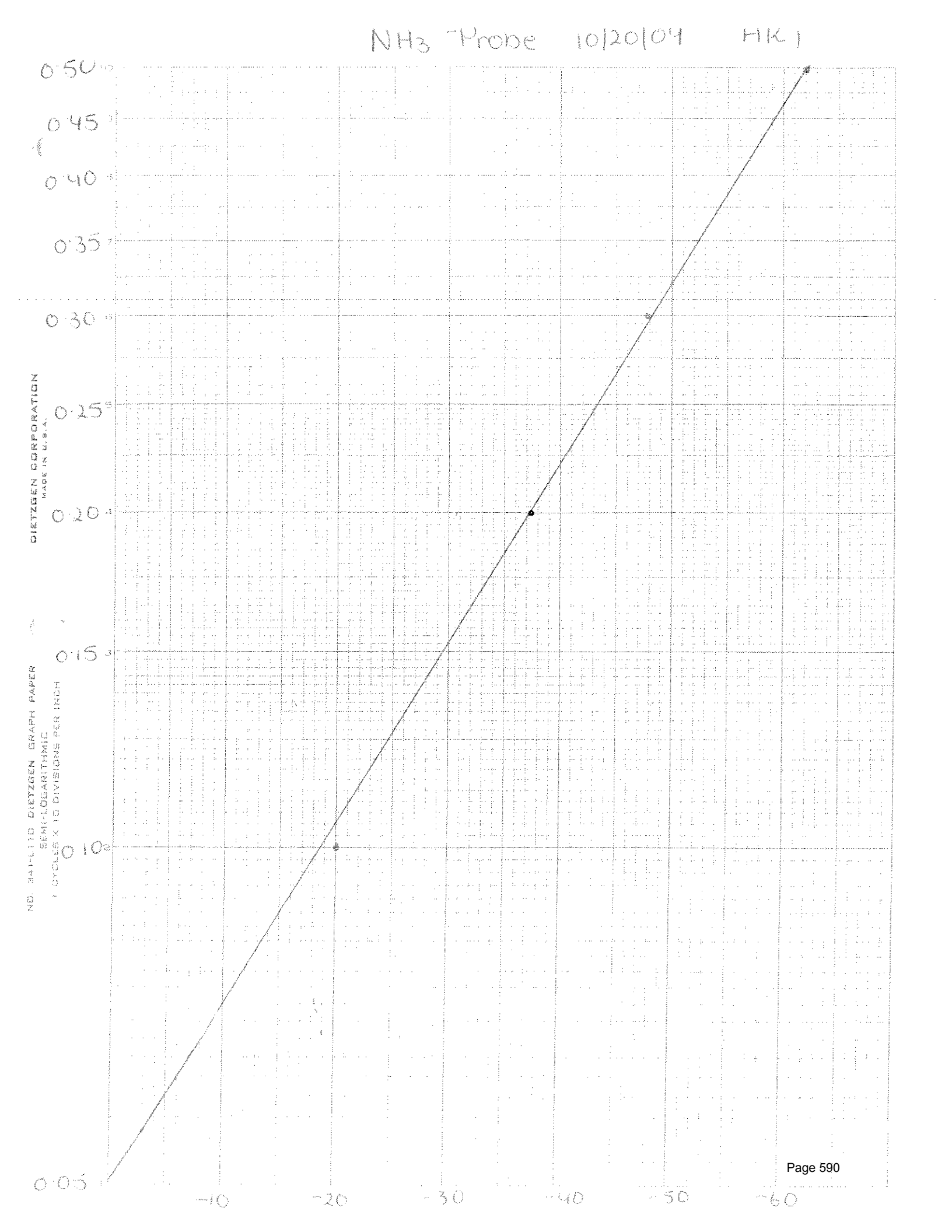
10/20/09 HKT	Sample	mV	Conc.	dil.	Res.	Com.
	0.05	193.4				
	0.10	-20.0	0.105			105%
	0.20	-37.3	0.20			100%
	0.30	-47.9	0.295			98%
	0.50	-62.1	0.50			100%
	Q.C	-47.8	0.295	X10	2.95	100%
	434102	4.2	<0.05	X1	<0.05	
	.03	3.9	<0.05	X1	<0.05	
	434300	3.0	<0.05	X1	<0.05	
	435301	-40.7	0.2275	X1	0.23	~~Rerun HT~~
	.05	-62+	>	X1	?	RRX2
	.06	-8.0	0.0675	X1	0.07	
	439900	000.4	<0.05	X1	<0.05	
	435305	-44.9	0.265	X2	0.53	
dp.	435301	-38.5	0.21	X1	0.21	
	.01	-49.2	0.31	X1	-	83% dp 108%
Rerun SP.						
~~SP~~ HT	435301	-49.9	0.32	X1	0.32	93%
						110%

Q.C TV = 0.294 Q.C Limits = 0.250338

Dup. Limit = ~~0.05~~ HT 0.019

Spk. Limit = ~~85-115%~~ HT 88% - 110%

Calc, Q.C checked + Reported by HKT - 10/20/09


NH3 Probe 10/20/09 HK1
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
-10
-20
-30
-40
-50
-60
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CONFORMANCE / NON-CONFORMANCE SUMMARY

Wet Chemistry

Chloride

QC Package for Sample Batch : 294399.00

< QC criteria were met for the following unless otherwise stated :

* Method Blank
* Duplicate RPD
* Spike % Recoveries
* Reference Sample
* Holding Time (SW846)
* Laboratory Control Standard

NYSDEC - ASP
3
BLANKS

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399.00

Preparation Blank Matrix (soil/water):water

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Prepa-ration Blank	C	M
Chloride									4000.000		T

FORM III - IN

NYSDEC - ASP

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:294399.00

Matrix (soil/water):water_____ Level (low/med):Low

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg wet weight):ug/L_____

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chlorides	85%-115%	63.0000		15.0000		50000.00	96.0		T

Comments:

FORM V (PART 1) - IN

NYSDEC - ASP
6
DUPLICATES

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case No :_____ SAS No.: _____ SDG No.: 294399.00

Martix (soil/water) : water_____ Level (low/med):

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight):ug/L _____

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chloride	2	15		14		6.9		

FORM VI - IN

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case Code: _____ SAS No.: _____ SDG No.:294399.(

Instrument ID Number:

LCS Source: Ricca 2811176

Concentration Units: ug/L

	Aqueous (ug/L)			Solid (mg/Kg)				
Analyte	TRUE	Found	%R	TRUE	Found	C	Limits	
Chlorides	50ppm	50.0	100.0					

FORM VII - IN

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.:294399

Instrument ID Number: Method:SM204500CIB

Start Date: End Date:

NYSDEC Sample No.	D/F	Time	%R	Analytes
Blank	X1			X
Ref-ricca	X1		100	X
294399.00	X1			X
ZZZZZZ	X1			
ZZZZZZ	X1			
ZZZZZZ	X1			
294399.00 Dup	X1			X
294399.00 MS	X1		96	X

FORM XIV - IN

10/21/09 MN

SAMPLE	START	END	PEAK CORR	DIL.	RES	REMARKS
Blank	0	0.4	0.4	x1	4	
Reg Rich 2nd 16	0.4	5.8	5	x1	50	100%
294399.00	5.8	7.7	1.5	x1	15	
294411.01	7.7	9.1	1	x1	10	
.02	9.1	10.6	1.1	x1	11	
294423.01	10.6	33.8	22.8	x10	2,280	
294399.00 Dup	33.8	35.6	1.4	x1	14	93%
294399.00 M.S.	35.6	42.3	6.3	x1	63	96%

QC TV = 50 ppm
QC Limits = 42.5 - 57.5 (±15%)
Dup limit = 2 ppm
Spike limit = 85% - 115%
Spike TV = 5

CALCULATIONS + QC CHECKED 10/21/2009
E. HARRISON QC.

CONFORMANCE / NON-CONFORMANCE SUMMARY

Cyanide,Nitrate & Sulfade

QC Package for Sample Batch :294399

QC criteria were met for the following unless otherwise stated :

* Method Blank
* Duplicate RPD
* Spike % Recoveries
* Reference Sample
* Initial calibration data
* Laboratory Control Standard

NYSDEC - ASP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294399

Initial Calibration Source:Ricca for Nitrate, VWR for Sulfate & JT BACKER for CN

Continuing Calibration Source: Ricca for Nitrate,VWR for Sulfate & JT BACKER for CN

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	TRUE	Found	%R	TRUE	Found	%R(1)	Found	%R(1)	M
Nitrate	1000.0	1000.0	100.0	1000.0	1000.0	100.0			EPA353.2
Sulfate	30000.0	30500.0	101.7	30000.0	32000.0	106.7			ASTM D516-02
Cyanide	300.0	300.0	100.0	300.0	285.0	95.0			EPA335.4

NYSDEC - ASP
3
BLANKS

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.:294399

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

	Initial Calib. Blank		Continuing Calibration						Prepa-ration		
Analyte	(ug/L)	C	1	C	2	C	3	C	Blank	C	M
Nitrate	0.0	U									EPA353.2
Sulfate	0.0	U									ASTM D516-02
Cyanide	0.0	U									EPA335.4

NYSDEC - ASP

5A
SPIKE SAMPLE RECOVERY

Lab Name: ECOTEST LABORATORY

Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.: 294399

Matrix (soil/water):water

Level (low/med): low

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg wet weight):_ug/L

	Control								
	Limit	Spiked Sample		Sample		Spike			
Analyte	%R	Result (SSR)	C	Result (SR)	C	Added (SA)	%R	Q	M
Nitrate	60-117.2	1700.0000		<500.0000		2000.0000	85.0		EPA353.2
Sulfate	65.7-126.4	1950000.0000		700000.0000		2000000.0000	125.0		ASTM D516-02
Cyanide	78-118	190.0000		<20.0000		200.0000	95.0		EPA335.4

NYSDEC - ASP
6
DUPLICATES

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case No :_____ SAS No.: _____ SDG No.: 294399

Martix (soil/water) : water

Level (low/med):

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Nitrate	37.0000	190.0000		210.0000		20.0		EPA353.2
Sulfate	2,630.0000	1,950,000.0000		1,950,000.0000		0.0		ASTMD516-02
Cyanide	21.0000	190.0000		195.0000		5.0		EPA335.4

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: ECOTEST LABORATORY

Contract: _____

Lab Code: _____ Case Code: _____ SAS No.: _____ SDG No.: 294399

Instrument ID Number: _____

LCS Source: NYSDOH

Concentration Units: ug/L

Analyte	Aqueous (ug/L) TRUE	Found	%R	Solid (mg/Kg) TRUE	Found	C	Limits		%R
Nitrate	8000.0000	8000.0000	100.0						
Sulfate	64,500.0000	60,000.0000	93.0						
Cyanide	872.0000	850.0000	97.5						

NYCDEP - ASP
13
PREPARATION LOG

Lab Name: ECOTEST LABORITORY

Contract:

Lab Code: Case No.: SAS No.: SDG No.: 294320.01,.03,.05,.07 & .09
SDG No.: 294399

Method: EPA335.4

Sample No.	Preparation Date	Weight (gram)	Volume ml.
QC NYSDOH 1012	10/20/2009		50 ul.
294320.01	10/20/2009		50ml.
294320.03	10/20/2009		50ml.
294320.05	10/20/2009		50ml.
294320.07	10/20/2009		50ml.
294320.09	10/20/2009		50ml.
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
294399	10/20/2009		50 ml.
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		
xxxxxxx	10/20/2009		

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 294399

Instrument ID Number:

Method: EPA335.4

Start Date:10/20/2009

End Date:10/20/2009

NYSDEC Sample No.	D/F	Time	%R	Analytes
				CN
STD 0.3 ppm				x
STD 0.3 ppm				x
BLANK				x
STD 0.3 ppm				x
STD 0.3 ppm				x
STD 0.3 ppm				x
BLAND				x
STD 0.3 ppm				x
STD 0.25 ppm				x
STD 0.2 ppm				x
STD 0.15 ppm				x
STD 0.05 ppm				x
STD 0.02 ppm				x
BLANK				x
QC NYSDOH 1012	x 5		97.5	x
294320.01	x 1			x
294320.03	x 1		95.0	x
294320.05	x 1		97.5	x
294320.07	x 1			x
294320.09	x 1			x
xxxxxxx				x
xxxxxxx				x
STD 0.3ppm				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
294399	x 1			x
STD 0.3 ppm				x
SPIKE 294332	x1		105	x
DUP 294332	x1			x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 294399

Instrument ID Number:

Method: EPA353.2

Start Date:10/26/2009

End Date:10/26/2009

NYSDEC Sample No.	D/F	Time	%R	Analytes
				NO3
STD 1.0 ppm				x
STD 1.0 ppm				x
STD 1.0 ppm				x
STD 0.7 ppm				x
STD 0.5 ppm				x
STD 0.2ppm				x
STD 0.1 ppm				x
STD 0.05 ppm				x
NO2 0.2 ppm				x
QC NYSDOH 1007	X 10		96.3	x
xxxxxxx				x
xxxxxxx				x
294397	x 10			x
294399	x 10			x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
STD 1.0ppm				x
QC NYSDOH 1007	x 10		100.0	x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
SPIKE0.2 294397	x 10		80.0	x
DUP. 294397	x 10			x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 294399

Instrument ID Number:

Method: ASTMD516-02

Start Date:10/20/2009

End Date: 10/20/2009

NYSDEC Sample No.	D/F	Time	%R	Analytes
				SO4
BLANK				x
STD 10 ppm				x
STD 30 ppm				x
QC NYSDOH 1508	x2		93.0	x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
xxxxxxx				x
294399	x 2			x
294320.01	x 50			x
294320.03	x 50		125.0	x
294320.05	x 50		125.0	x
294320.07	x 50			x
294320.09	x 50			x
xxxxxxx				x

10-13-2009 CJ SH

#	Sample	PKH	Curve	Auto Dil	Dilsa Dil	Result	Comment
21	DUP SPIKE 0.2 294286-1	80	0.22	x2	x0.5	0.22	110%
22	DUP 294258	20	0.04	x2	x0.5	0.04	CNP
23	SPIKE 0.2 294258	72	0.19	x2	x0.5	-0.04 = 0.15	75% (MP)
24	Rerun 294296-1	rerun		x2	x0.5		
25	DUP 294297-1	21	0.045	x2	x0.5	0.045	CNP
26	SPIKE 0.2 294297-1	86	0.25	x2	x0.5	0.25-0.045=0.205	102% (MP)
27	0.3	100	0.3				
28	DUP 294296-1	0	<0.02	x2	x0.5	<0.02	

QC MYS DOH 1012 TV = 0.872 (0.669-1.08)
DUP Limit Soil 0.016 WP 0.021
SPIKE 0.2 Soil 88.9-109% WP 78-118%
all OK SH

10-20-2009

#	Sample	PKH	Curve	Auto Dil	Dilsa Dil	Result	Comment
1	0.3	>100					
2	0.3	98					
3	BLANK	0					
4	0.3	98					
5	0.3	99					
6	0.3	100					
7	BLANK	0					
8	0.3	100					
9	0.25	89					
10	0.2	77					
11	0.15	62					
12	0.1	45.5					
13	0.05	24					
14	0.02	12					

QC TV=0.872 (0.669-1.08)
DUP NP Limit=0.021
SPIKE=0.2 Limit 78-118%
all OK

10-20-2009 CJ SH

#	Sample	PKH	Curve	Auto Dil	Dilsa Dil	Result	Comment
15	BLANK	0	<0.02			<0.02	
16	QC MYS1012	68	0.17	x1	x5	0.85	TV=0.87
17	294320-1	0	<0.02	x2	x0.5	<0.02	
18	3	735	0.19	x2	x0.5	0.19	0.2 ppm MS 95%
19	5	75	0.195	x2	x0.5	0.195	97.5% 0.2 ppm MS.
20	7	7.5	<0.02	x2	x0.5	<0.02	
21	9	6	<0.02	x2	x0.5	<0.02	
22	294329-1	0	<0.02	x2	x0.5	<0.02	
23	2	0	<0.02	x2	x0.5	<0.02	
24	0.3	96.5	0.285			0.285	
25	294332	13	0.025	x1	x0.5	<0.02	
26	294350-1	0	<0.02	x2	x0.5	<0.02	
27	294353-5	0	<0.02	x2	x0.5	<0.02	
28	6	0	<0.02	x2	x0.5	<0.02	
29	294366	3.5	<0.02	x2	x0.5	<0.02	
30	294399	1.5	<0.02	x2	x0.5	<0.02	
31	0.3	97.5	0.29			0.29	
32	SPIKE 0.2 294332	79	0.21	x2	x0.5	0.21	105% (CNP)
33	Re-run 294332	6.5	<0.02	x2	x0.5	<0.02	(NP)
34	DUP 294332	6	<0.02	x2	x0.5	<0.02	(NP)
35	294414-1	0	<0.02	x2	x0.5	<0.02	
36	2	0	<0.02	x2	x0.5	<0.02	
37	3	0	<0.02	x2	x0.5	<0.02	
38	4	0	<0.02	x2	x0.5	<0.02	
39	294415-5	28	0.06	x1	x0.5	0.03	
40	6	39	0.085	x1	x0.5	0.043	
1	7	60	0.145	x1	x0.5	0.073	
2	8	Slow	Rerun	x1	x0.5		
3	294415-5 SPIKED 0.2 ppm	935	0.27	x1	x0.5	0.27-0.06=0.21	105%
4	DUP 294415-5	29	0.06	x1	x0.5	0.03	
5	294415-8	0.5	2.1	x5	x0.5	0.25	

	Start	End	Comment
	11:40	12:40	50 mL
	1:10	2:10	Total
	2:20	3:20	1 gal

CN Distillation

10-20-2019

Sample	# Still	DIL	Sulfamic Acid	Start	End	Comment
PCN#5012	1	x5	—	11:30	12:30	50 mL
294320-1	2	x0.5	✓			
3	3		✓			MS 0.2
5	4		✓			DMS 0.2
7	5		✓			
9	6		✓			
294329-1	7		✓			
2	8		✓			
294332	9		✓			
294350-1	10		✓			
294352-5	11		✓			
6	12		✓			
294399	1		✓	1:40	2:40	
294366	2		✓			
294414-1	3	x0.5	✓			
2	4		✓			
3	5		✓			
4	6		✓			
294415-5	7		✓			
6	8		✓			
7	9		✓			
8	10		✓			

NO3 10-26-2009

#	Sample	DIL	PKH	Result
2	LCS		0.99	
4	LCS		0.99	
6	1.0		1.0	
8	0.7		0.69	
10	0.5		0.5	
12	0.2		0.2	
14	0.1		0.1	
16	0.05		0.05	
18	MD 20.2		0.19	
20	QC(4.5/100)	x10	0.77	Tr=8.0 7.7
22	4393	x10	0.16	1.6
24	4395-3	x10	0.53	5.3
26	4397	x10	0.19	1.9
28	4394	x10	<0.05	<0.5
30	4404-1	x10	0.13	1.3
32	2	x20	>1	>2.0
34	4405-1	x10	0.05	0.5
36	2	x10	0.6	6.0
38	3	x10	<0.05	<0.5
40	4	x10	>1	Re-run
2	LCS		1.0	
4	QC(4.5/100)	x10	0.8	8.0
6	4407-4	x10	0.09	0.9
8	6	x10	0.37	3.7
10	4408	x10	<0.05	<0.5
12	4411-1	x10	<0.05	<0.5
14	2	x10	<0.05	<0.5
16	4410-5	x10	<0.05	<0.5
18	Spike 0.2 4397	x10	0.36	-0.2
20	DUP 4397	x10	0.4	2.1

NO3 10-26-2009

#	Sample	DIL	PKH	Comment
22	4492-1	x10	0.11	1.1
24	2	x10	0.28	2.8
26	4447-1	x10	0.08	0.8
28	4448-1	x10	0.11	1.1
30	2	x10	0.29	2.9
32	3	x10	0.19	1.9
34	4404-2	x50	0.37	18.5
36	4405-4	x25	0.49	12
38	4449-1	x10	<0.05	<0.5
40	2	x10	0.3	3.0
42			1.0	Tr=8.0
44	QC(4.5/100)	x10	0.8	8.0
46	4440-5	x1	<0.05	<0.05
48	4449-3	x10	0.36	3.6
50	4450-1	x10	<0.05	
52	2	x10	<0.05	
54	4451-3	x10	0.60	6.0
56	-4	x10	0.43	4.3
58	Spike 0.2 4492-2	x10	P0.85	-0.27
60	Dup 4492-2	x10	P0.27	
62	4460-1	x10	<0.05	<0.5
64	2	x10	0.8	8.0
66	4464	x10	0.1	1.0
68	2	x10	0.56	5.6
70	4469-1	x10	<0.05	<0.5
72	4482-1	x10	<0.05	<0.5
74	2	x10	0.65	6.5
76	4488-1	x10	0.85	8.5
78	2	x10	0.2	2.0
80	3	x10	0.48	4.8

NO3 10-26-09 (SH)

#	Sample	DIL	PKH	Result
2	4488-4	x10	0.3	3.0
4	LCS		1.00	

QC Tr = 8.0
Limit 6.8 - 9.19
Dup PW 0.031
Limit NP 0.037
Spike 0.2 PW 62.3 - 113%
Limit NP 60 - 117%

Settleable Solid 10-27-2009

Sample	Vol	Start	End	Result
294499-1	1000ml	2:40	3:40	0.1
2	1000ml	↓	↓	1.0

TCLP & ZHE 10-28-2009

Sample	WT.	Fluid Test	Start	End	PH
294545-1	15g	300ml Metal	6:15	9:00	<5
294545-2	15g	↓ ↓			<5
294535	35g	700ml Full			<5
294532	15g	300ml Metals			<5
294511	↓	↓ ↓			<5
294535	ASTs	ZHE			

Settleable Solid 10-29-2009

Sample	Vol	Start	End	Result
294537-1	1000ml	10:30	11:30	<0.1
2	↓	↓	↓	↓ <0.1

Free Liquid 10-29-09

ST	Curve	Result	Comment
100			
71	10	100%	
30	30.5	101.6%	
35	27 x 2 = 54		Tv = 64.5
91	<5		
52	18	1850	Ave 1900
CO	18.5		
57	16 x 10 = 160		
8	20 x 2 = 40		
VC	<5 x5	<25	
1	30 x 50 = 1500		
8	19.5 x100 = 1950		
2	38 - 18.5 = 19.5	97.5%	
8	15 x 5 = 25		
1	30 x50 = 1500		
3	31 x 60 = 1860		
0	31 x2 = 62	Tv=64.5	
Limit	53.1 — 74.1		
33			
0	65.7 — 126.4%		
ve	10-8-2009		

SOX

Date	Sample	DL	ST	Curve	Result	Comment
10/6/09 HB	blank	100	100			
	10ppm	71	71	10		100%
	30ppm	20	28	32		106% Tv=64.5
NYSDOH Am 2762	QC NYS 1508	31	31	80	60	
	294099.02	x1/4	41	23	5.75	
	294353.05		52	17		
	.06		96	<5		
SDC #2	374.01		99	<5		
	.02		98	<5		
	.03		97	<5		
	.04		99	<5		
	.05		98	<5		
	399	x2	26	34	68	
	320.01	x50	60	14	700	
20ppm spike	.03	x50	21	39	39-14=25	125%
20ppm spike	.05	x50	21	39	39-14=25	125%
	320.07	x50	25	35	1750	
	.09	x50	25	35	1750	
	099.02	x1/4	41	23	5.75	
Dup limit NP = 2.63						
Spike 20ppm		NP		65.7 - 126.4%		
full std curve 10/6/09						
QC 1508		Tv = 64.5				
		limit = 53.1 - 74.1				
All within limits				(HB)		

CONFORMANCE / NON-CONFORMANCE SUMMARY

Wet Chemistry

TDS

QC Package for Sample Batch 294399.00

< QC criteria were met for the following unless otherwise stated :

* Method Blank
* Duplicate RPD
* Spike % Recoveries
* Reference Sample
* Holding Time (SW846)
* Laboratory Control Standard

NYSDEC - ASP
3
BLANKS

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.:294399

Preparation Blank Matrix (soil/water):water

Preparation Blank Concentration Units (ug/L or mg/Kg):ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Prepa-ration Blank	C	M
TDS									1000.000		

FORM III - IN

NYSDEC - ASP
6
DUPLICATES

NYSDEC SAMPLE NO.

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case No : _____ SAS No.: _____ SDG No.:294399

Martix (soil/water) : water_____ Level (low/med):low

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight):ug/L _____

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TDS	820-859.4	40600.0000		39800.0000		2.0		

FORM VI - IN

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: ECOTEST LABORATORY Contract: _____

Lab Code: _____ Case Code: _____ SAS No.: _____ SDG No.:294399

Instrument ID Number: LCS Source:Ricca

Concentration Units: ug/L

Analyte	Aqueous (ug/L) TRUE	Found	%R	Solid (mg/Kg) TRUE	Found	C	Limits		%R
TDS	850.0	834.0	100.0						

FORM VII - IN

NYSDEC - ASP
14
ANALYSIS RUN LOG

Lab Name: ECOTEST LABORATORY Contract:

Lab Code: Case No.: SAS No.: SDG No.:294399

Instrument ID Number: Method:SM2540C

Start Date:10/26/09 End Date:10/27/09

NYSDEC Sample No.	D/F	Time	%R	Analytes
ZZZZZZ	X1			
294399.00	X1			X
294430.01	X1			X
ZZZZZZ	X1			
ZZZZZZ	X1			
Blank	X1			X
294430.01Dup	X1			X
Ref-2804397	X1			X

FORM XIV - IN

B-187

10-26-09 TS

TDS

Sample	Dish	Dish wt	Dry wt	Vol	Δ	Result
294393.00	21	55.4576	55.4820	100	0.0244	244
294394.00	12	51.0855	51.1289	100	0.0434	434
294430.01	28	52.6153	52.6559	100	0.0406	406
.02	33	52.6682	52.6738	100	0.0056	56
294440.05	43	52.6605	52.6662	100	0.0057	57
Blank	12	51.7386	51.7383	100	-0.0003	-3
4430.01 Rep	50	51.2927	51.3325	100	0.0398	398
Ref 28437	42	51.5264	51.6098	100	0.0834	834

QC TV 850

QC Limits = 820 - 859.4

NON-Potable Drp Limits 59.4

Calc + QC ok

Oven #3

Time in 5:45 Temp in 90°C

Ref 1st wt Chk = 51.6102 Ref 2nd wt Chk 51.6098

Time out 10:33 Temp out 180°C

10-26-09 TS

TVS

Sample	Dish	Dish wt	Dry wt	Vol	DCX Ash wt	% Result
294482.05	Z	77.8512	81.5968	100	80.0129	42.63
.06	X	90.4185	92.7437	100	91.0453	45.53
.07	Q	79.0396	82.8469	50	81.8404	36.46
4482-05 Rep	S	74.5238	78.3649	100	77.4058	24.91
Blank	T	101.5489	101.5885	100	101.5586	2.500

Oven F

Time in 6:00 pm Temp in 105C (overnight)

Time out 10:00 am Temp out 45C